

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073018\  
 Data File : VU025729.D  
 Acq On : 30 Jul 2018 17:48  
 Operator : MD/SY  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 7/31/2018 2:17:11 PM

Quant Time: Jul 31 04:32:52 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U072718W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 28 02:19:50 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.99  | 168  | 171583   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 269474   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 260449   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 166840   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 5.31   | 65  | 137388   | 51.39 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.78% |      |
| 35) Dibromofluoromethane    | 4.89   | 113 | 113652   | 48.49 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.98%  |      |
| 50) Toluene-d8              | 7.57   | 98  | 406304   | 49.54 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.08%  |      |
| 62) 4-Bromofluorobenzene    | 10.31  | 95  | 158461   | 49.78 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.56%  |      |

| Target Compounds              |      |     |         |        |      | Qvalue |
|-------------------------------|------|-----|---------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 145477  | 56.10  | ug/l | 100    |
| 3) Chloromethane              | 1.33 | 50  | 115214  | 46.48  | ug/l | 99     |
| 4) Vinyl Chloride             | 1.40 | 62  | 121472  | 52.07  | ug/l | 100    |
| 5) Bromomethane               | 1.62 | 94  | 49105   | 43.10  | ug/l | 96     |
| 6) Chloroethane               | 1.70 | 64  | 69867   | 51.22  | ug/l | 100    |
| 7) Trichlorofluoromethane     | 1.89 | 101 | 174833  | 51.84  | ug/l | 100    |
| 8) Diethyl Ether              | 2.10 | 74  | 61581   | 50.46  | ug/l | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.29 | 101 | 101991  | 52.26  | ug/l | 99     |
| 10) Methyl Iodide             | 2.41 | 142 | 56644   | 34.36  | ug/l | 99     |
| 11) Tert butyl alcohol        | 2.83 | 59  | 143670  | 245.46 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.28 | 96  | 95084   | 51.61  | ug/l | 95     |
| 13) Acrolein                  | 2.19 | 56  | 40292   | 189.59 | ug/l | 99     |
| 14) Allyl chloride            | 2.59 | 41  | 162835  | 49.18  | ug/l | 97     |
| 15) Acrylonitrile             | 2.94 | 53  | 312933  | 267.78 | ug/l | 99     |
| 16) Acetone                   | 2.32 | 43  | 286144  | 219.53 | ug/l | 97     |
| 17) Carbon Disulfide          | 2.48 | 76  | 296277  | 49.69  | ug/l | 99     |
| 18) Methyl Acetate            | 2.62 | 43  | 184980  | 58.96  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 3.00 | 73  | 361837  | 54.20  | ug/l | 99     |
| 20) Methylene Chloride        | 2.70 | 84  | 114759  | 49.68  | ug/l | 96     |
| 21) trans-1,2-Dichloroethene  | 2.98 | 96  | 109584  | 51.46  | ug/l | 98     |
| 22) Diisopropyl ether         | 3.57 | 45  | 353159  | 54.13  | ug/l | 95     |
| 23) Vinyl Acetate             | 3.53 | 43  | 1534416 | 269.87 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 3.45 | 63  | 208518  | 53.24  | ug/l | 99     |
| 25) 2-Butanone                | 4.26 | 43  | 455728  | 256.85 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 4.23 | 77  | 174524  | 49.03  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 4.23 | 96  | 125426  | 52.24  | ug/l | 98     |
| 28) Bromochloromethane        | 4.55 | 49  | 90978   | 51.96  | ug/l | 99     |
| 29) Tetrahydrofuran           | 4.64 | 42  | 285112  | 268.21 | ug/l | 99     |
| 30) Chloroform                | 4.68 | 83  | 215477  | 52.13  | ug/l | 98     |
| 31) Cyclohexane               | 5.00 | 56  | 175065  | 51.43  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 4.92 | 97  | 196249  | 52.73  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.14 | 75  | 161246  | 51.20  | ug/l | 99     |
| 37) Ethyl Acetate             | 4.38 | 43  | 170302  | 52.15  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.14 | 117 | 179322  | 50.27  | ug/l | 98     |

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Manual Integrations  
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MMDadoda  
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Quant Time: Jul 31 04:32:52 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U072718W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 28 02:19:50 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 6.42  | 83   | 173813   | 48.17  | ug/l   | 98       |
| 40) Benzene                    | 5.39  | 78   | 454408   | 49.36  | ug/l   | 98       |
| 41) Methacrylonitrile          | 4.54  | 41   | 94745    | 52.24  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 5.41  | 62   | 177150   | 49.98  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 5.55  | 43   | 276692   | 51.28  | ug/l   | 99       |
| 44) Trichloroethene            | 6.19  | 130  | 128190   | 50.00  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 6.44  | 63   | 120501   | 50.19  | ug/l   | 100      |
| 46) Dibromomethane             | 6.56  | 93   | 87374    | 50.23  | ug/l   | 100      |
| 47) Bromodichloromethane       | 6.76  | 83   | 169527   | 51.09  | ug/l   | 97       |
| 48) Methyl methacrylate        | 6.63  | 41   | 142415   | 53.85  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 6.62  | 88   | 57552    | 894.25 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 7.46  | 43   | 881563   | 260.95 | ug/l   | 100      |
| 52) Toluene                    | 7.64  | 92   | 294727   | 51.54  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 7.88  | 75   | 195228   | 52.40  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 7.27  | 75   | 199156   | 52.04  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 8.07  | 97   | 119366   | 50.22  | ug/l   | 100      |
| 56) Ethyl methacrylate         | 8.02  | 69   | 182370   | 53.71  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 8.25  | 76   | 203588   | 50.94  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 7.13  | 63   | 381820   | 248.35 | ug/l   | 99       |
| 59) 2-Hexanone                 | 8.36  | 43   | 688372   | 259.94 | ug/l   | 98       |
| 60) Dibromochloromethane       | 8.48  | 129  | 143245   | 51.11  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 8.59  | 107  | 134497   | 50.89  | ug/l   | 100      |
| 64) Tetrachloroethene          | 8.23  | 164  | 111818   | 48.78  | ug/l   | 98       |
| 65) Chlorobenzene              | 9.12  | 112  | 338475   | 50.41  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 129459   | 53.29  | ug/l   | 99       |
| 67) Ethyl Benzene              | 9.25  | 91   | 573435   | 51.55  | ug/l   | 100      |
| 68) m/p-Xylenes                | 9.38  | 106  | 447371   | 104.76 | ug/l   | 100      |
| 69) o-Xylene                   | 9.78  | 106  | 218265   | 52.30  | ug/l   | 100      |
| 70) Styrene                    | 9.80  | 104  | 359524   | 53.33  | ug/l   | 99       |
| 71) Bromoform                  | 9.96  | 173  | 111070   | 52.73  | ug/l # | 97       |
| 73) Isopropylbenzene           | 10.17 | 105  | 580856   | 51.01  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.01 | 43   | 253280   | 54.48  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 197907   | 50.26  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 10.50 | 75   | 178313m  | 49.50  | ug/l   |          |
| 77) Bromobenzene               | 10.45 | 156  | 156545   | 49.84  | ug/l   | 99       |
| 78) n-propylbenzene            | 10.59 | 91   | 685599   | 51.58  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 10.66 | 91   | 403628   | 51.85  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 10.78 | 105  | 503249   | 52.04  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 10.51 | 75   | 64835m   | 48.78  | ug/l   |          |
| 82) 4-Chlorotoluene            | 10.77 | 91   | 474938   | 51.76  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.10 | 119  | 491028   | 51.10  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 516167   | 52.67  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 11.33 | 105  | 585954   | 49.95  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 11.48 | 119  | 532521   | 50.69  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 11.42 | 146  | 290801   | 49.88  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 11.51 | 146  | 297840   | 49.01  | ug/l   | 99       |
| 89) n-Butylbenzene             | 11.89 | 91   | 473366   | 48.83  | ug/l   | 100      |
| 90) Hexachloroethane           | 12.15 | 117  | 92522    | 49.54  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 11.88 | 146  | 290454   | 50.83  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 49198    | 52.70  | ug/l   | 98       |

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ALS Vial : 19 Sample Multiplier: 1

Instrument :  
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Manual Integrations  
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Quant Title : SW846 8260  
QLast Update : Sat Jul 28 02:19:50 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.51 | 180  | 205004   | 53.15 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.70 | 225  | 84374    | 41.50 | ug/l  | 98       |
| 95) Naphthalene            | 13.74 | 128  | 645469   | 52.05 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 13.99 | 180  | 204325   | 53.11 | ug/l  | 99       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

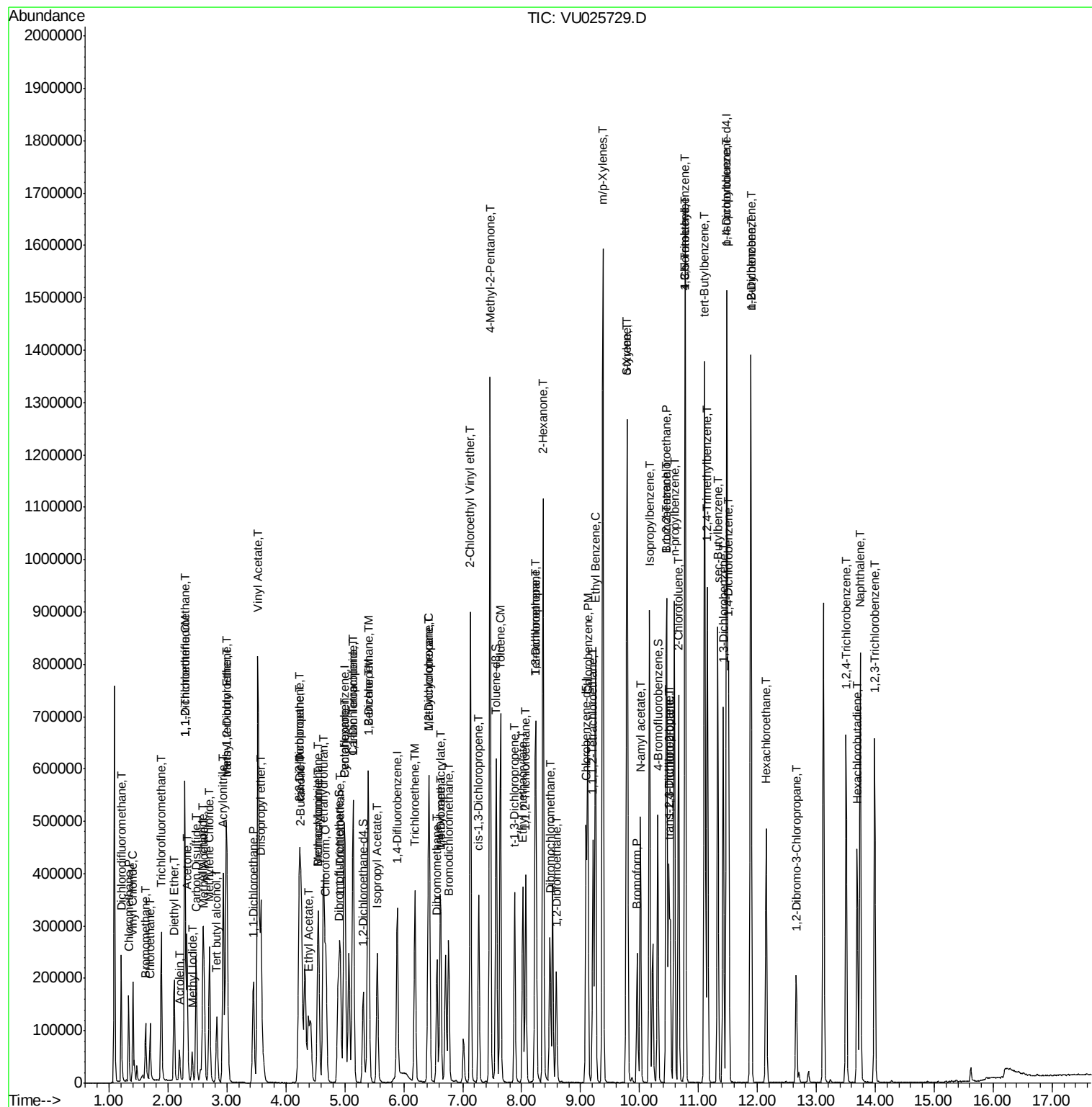
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Data File : VU025729.D  
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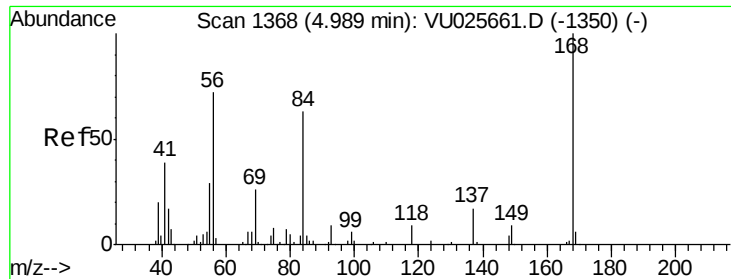
Instrument :  
MSVOA\_U  
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VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 171583

Ion Ratio Lower Upper

168 100

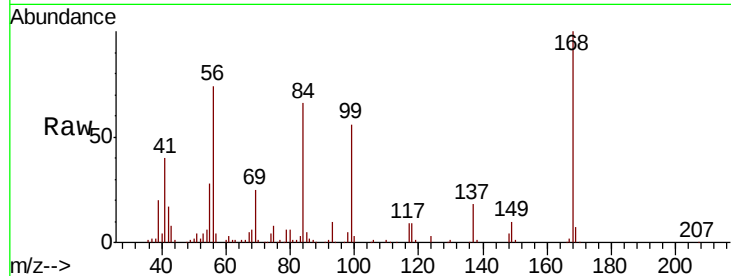
99 56.1 42.8 64.2

Manual Integrations

APPROVED

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7/31/2018 2:17:11 PM



Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)

80000

60000

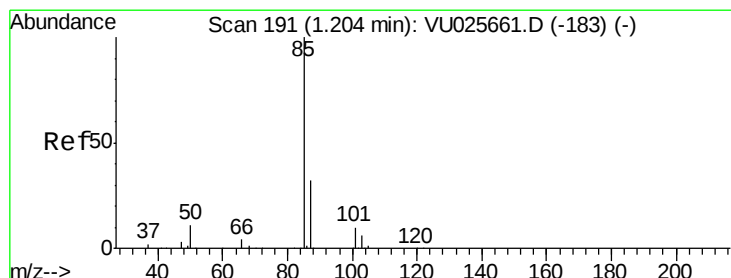
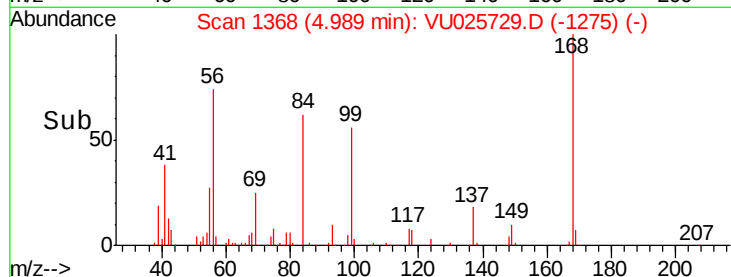
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 56.10 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025729.D

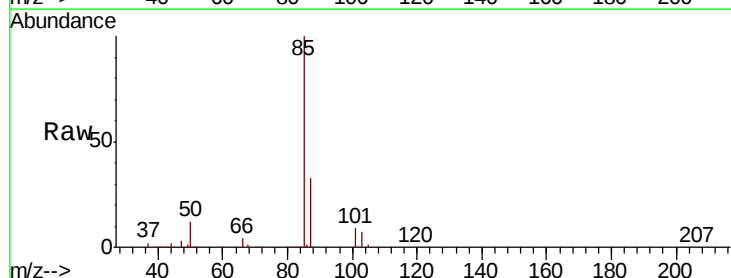
Acq: 30 Jul 2018 17:48

Tgt Ion: 85 Resp: 145477

Ion Ratio Lower Upper

85 100

87 33.0 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025661.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025661.D (-183) (-)

150000

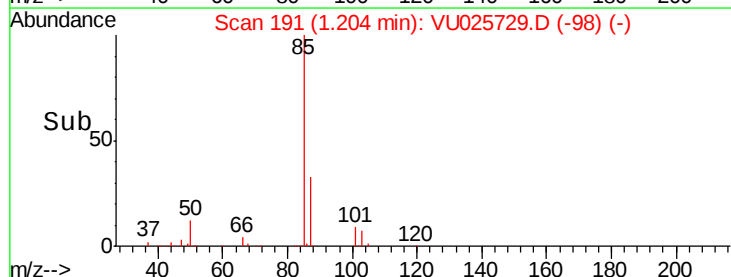
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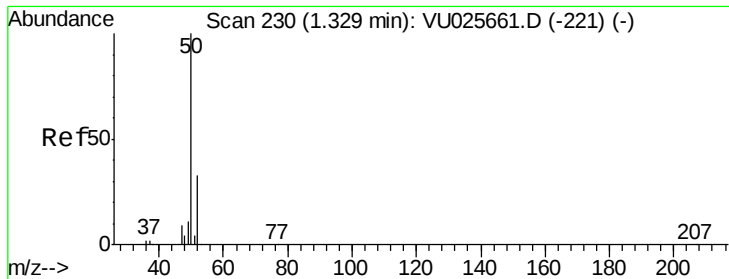
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0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 46.48 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 115214

Ion Ratio Lower Upper

50 100

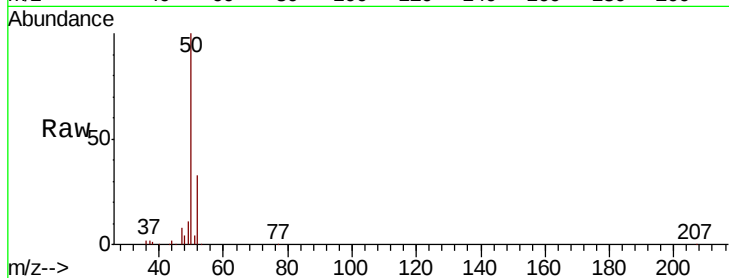
52 32.8 26.5 39.7

Manual Integrations

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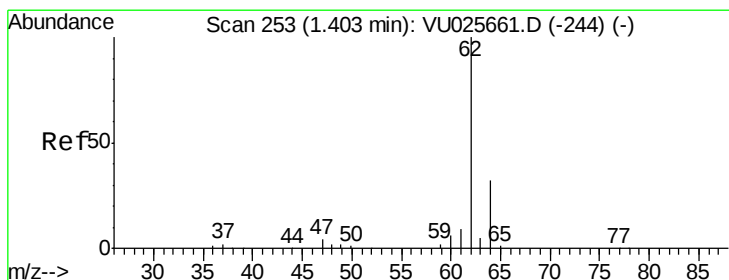
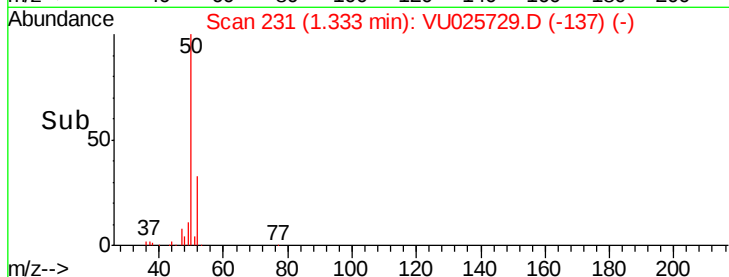
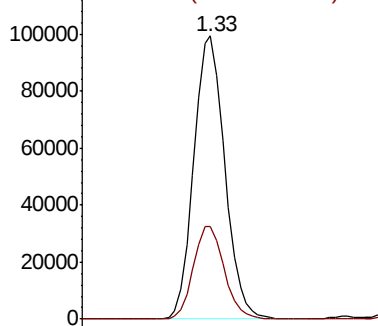
MMDadoda

7/31/2018 2:17:11 PM



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 52.07 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025729.D

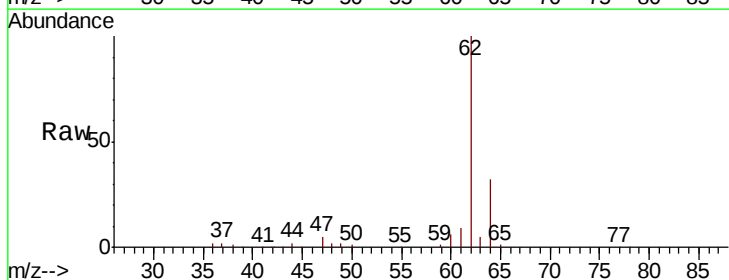
Acq: 30 Jul 2018 17:48

Tgt Ion: 62 Resp: 121472

Ion Ratio Lower Upper

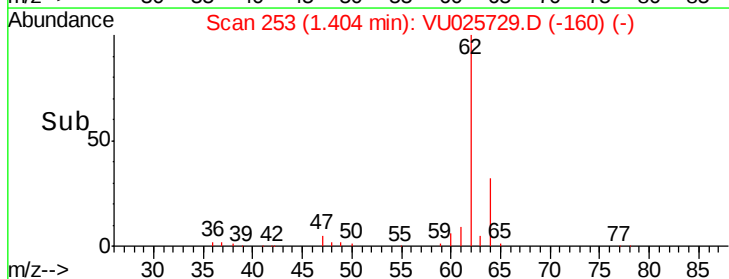
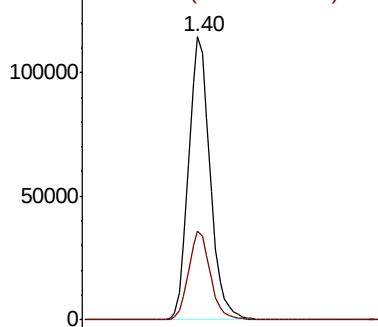
62 100

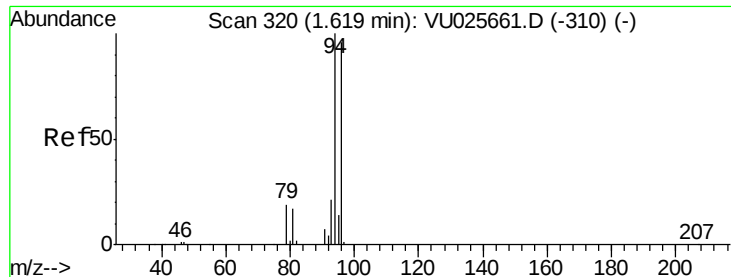
64 31.5 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 43.10 ug/l

RT: 1.62 min Scan# 320

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 49105

Ion Ratio Lower Upper

94 100

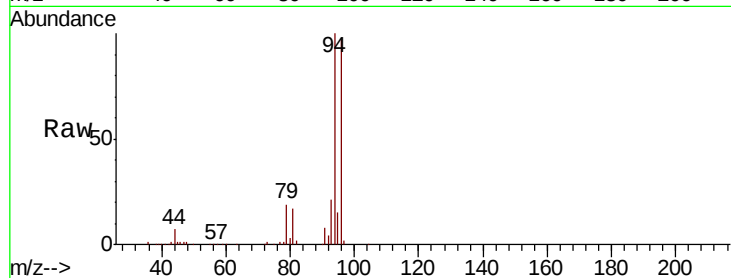
96 97.1 75.0 112.4

Manual Integrations

APPROVED

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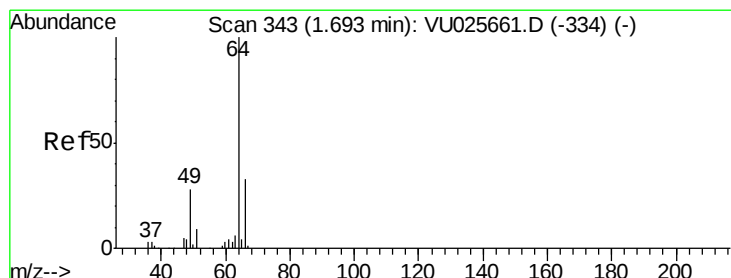
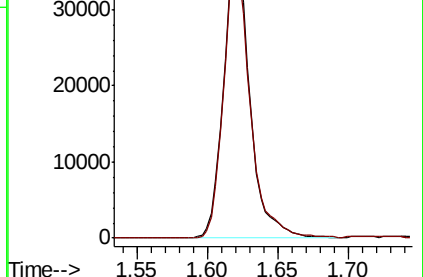
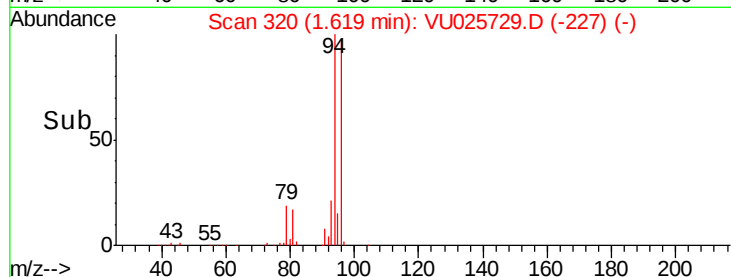


Abundance Ion 93.90 (93.60 to 94.60): VU025661.D (-310) (-)

Ion 95.90 (95.60 to 96.60): VU025661.D (-310) (-)

1.62

Time-->



#6

Chloroethane

Concen: 51.22 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025729.D

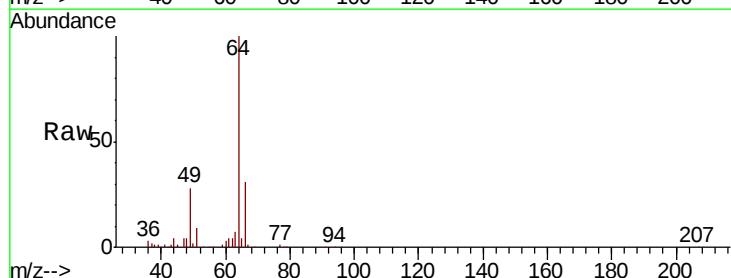
Acq: 30 Jul 2018 17:48

Tgt Ion: 64 Resp: 69867

Ion Ratio Lower Upper

64 100

66 31.1 25.0 37.4

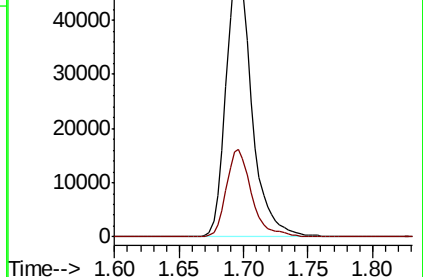
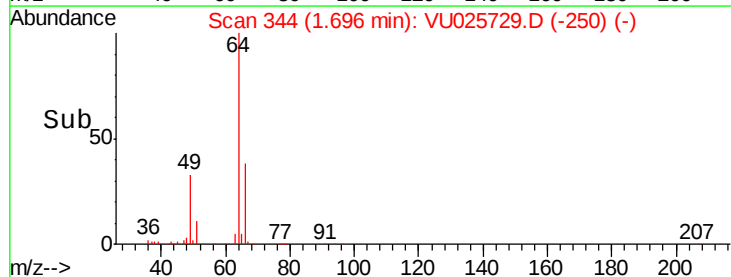


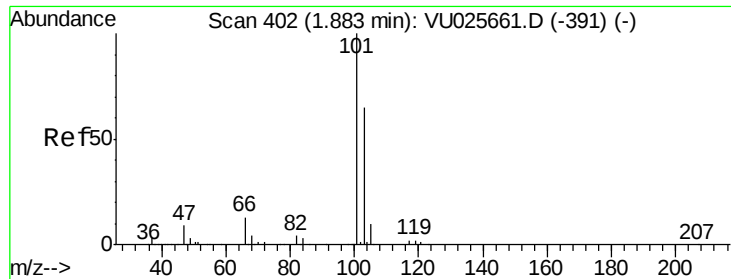
Abundance Ion 63.90 (63.60 to 64.60): VU025661.D (-334) (-)

Ion 65.90 (65.60 to 66.60): VU025661.D (-334) (-)

1.70

Time-->





#7

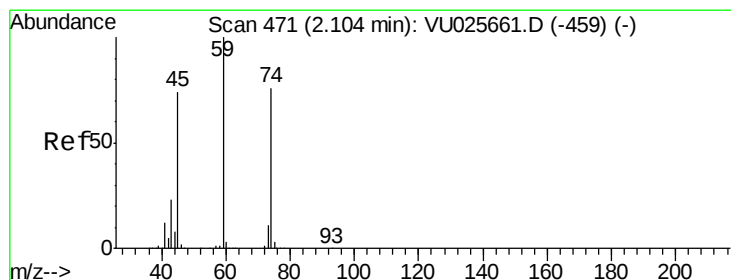
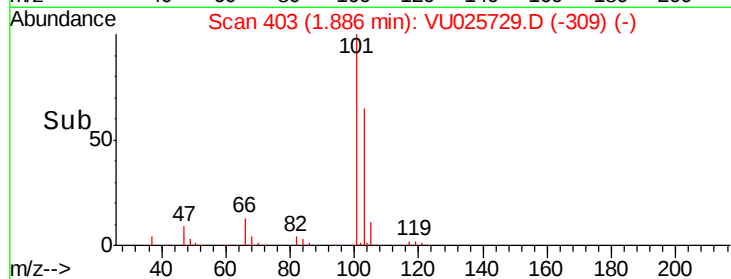
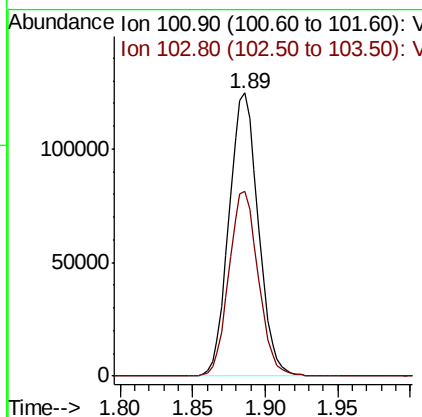
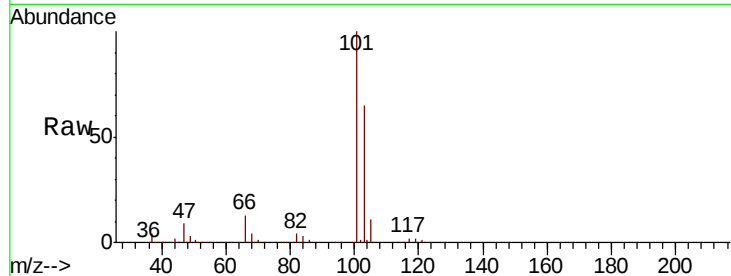
Trichlorofluoromethane  
 Concen: 51.84 ug/l  
 RT: 1.89 min Scan# 403  
 Delta R.T. 0.00 min  
 Lab File: VU025729.D  
 Acq: 30 Jul 2018 17:48

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.3  | 52.2  | 78.2  |

Manual Integrations  
 APPROVED

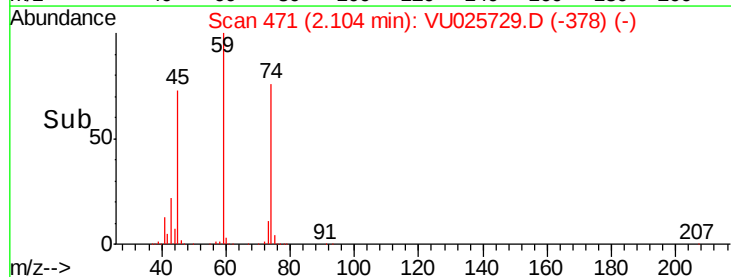
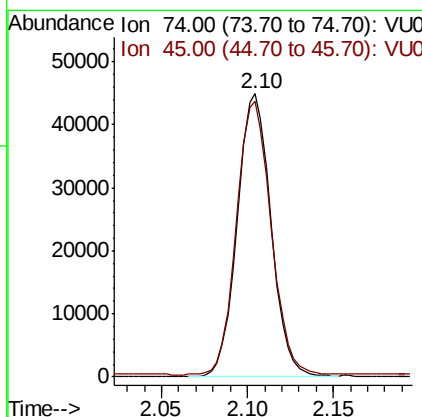
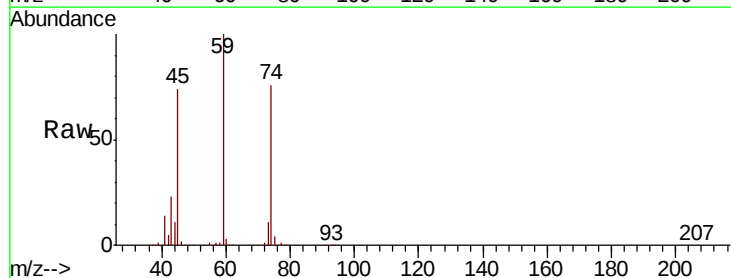
MMDadoda  
 7/31/2018 2:17:11 PM

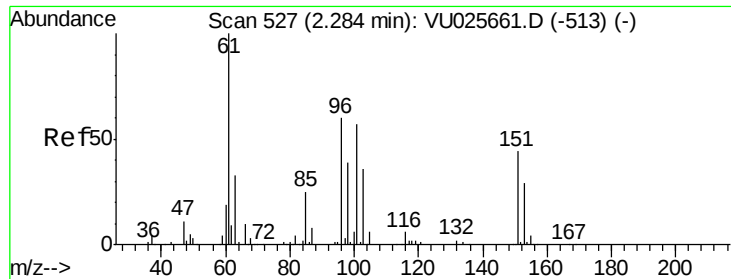


#8

Diethyl Ether  
 Concen: 50.46 ug/l  
 RT: 2.10 min Scan# 471  
 Delta R.T. 0.00 min  
 Lab File: VU025729.D  
 Acq: 30 Jul 2018 17:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 99.2  | 48.3  | 144.9 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.26 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA\_U

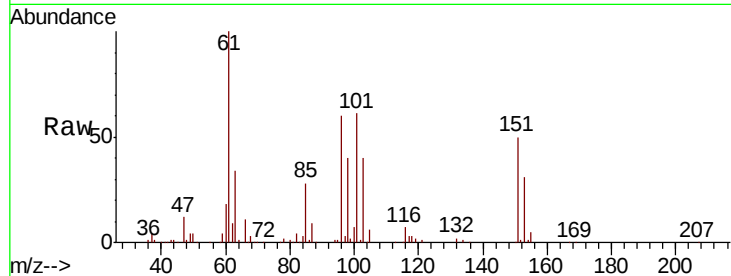
ClientSampleId :

VSTDCCC050EC

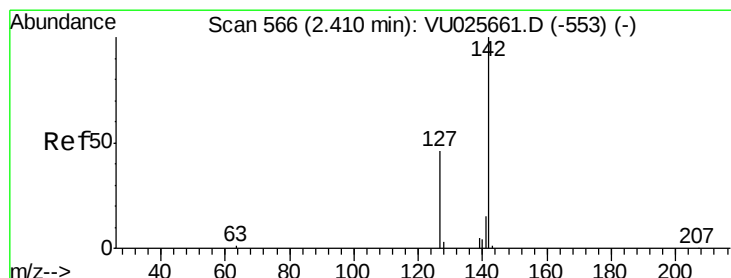
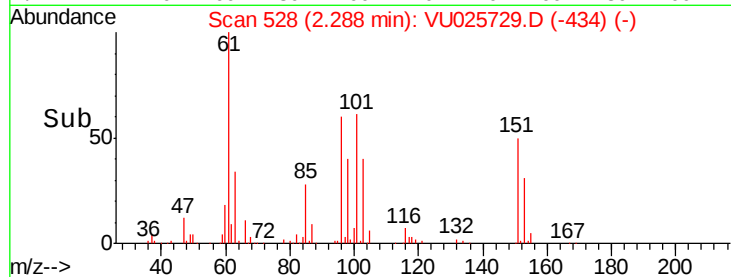
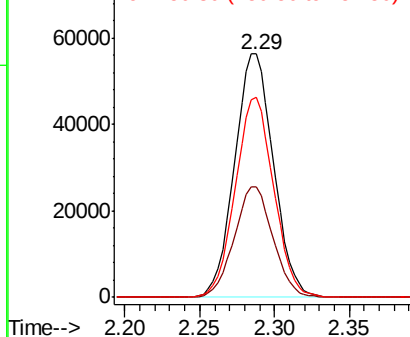
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 101991 |       |       |
| 85      | 45.1  | 36.0   | 54.0  |       |
| 151     | 80.9  | 65.6   | 98.4  |       |

Manual Integrations  
APPROVED

MMDadoda  
7/31/2018 2:17:11 PM



Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): VU0  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 34.36 ug/l

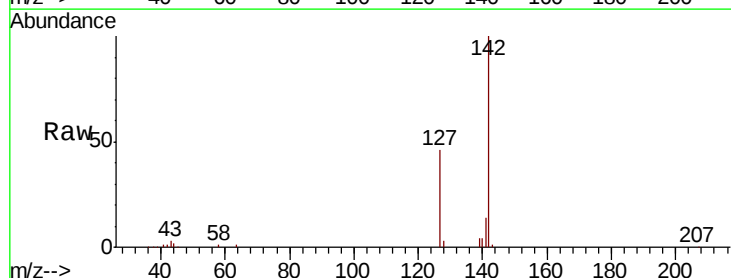
RT: 2.41 min Scan# 566

Delta R.T. 0.00 min

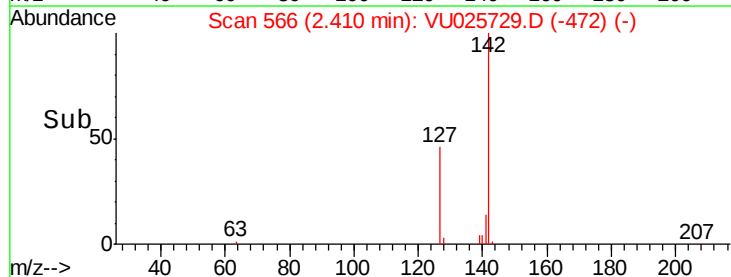
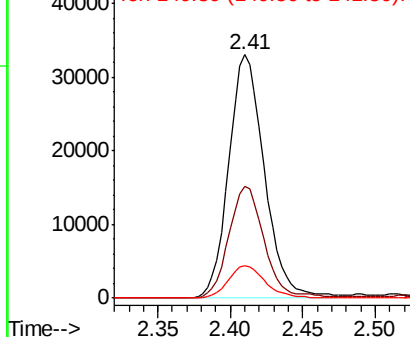
Lab File: VU025729.D

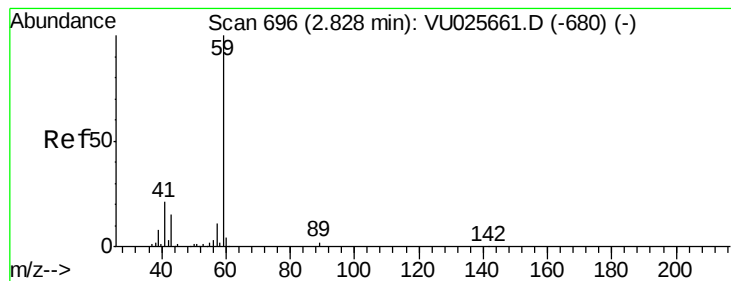
Acq: 30 Jul 2018 17:48

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 142     | 100   | 56644 |       |       |
| 127     | 45.3  | 36.5  | 54.7  |       |
| 141     | 13.8  | 11.4  | 17.2  |       |



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V





#11

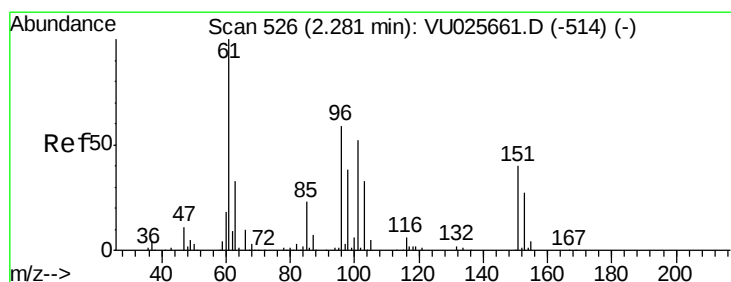
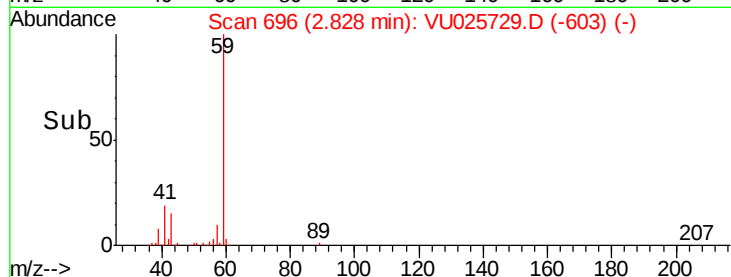
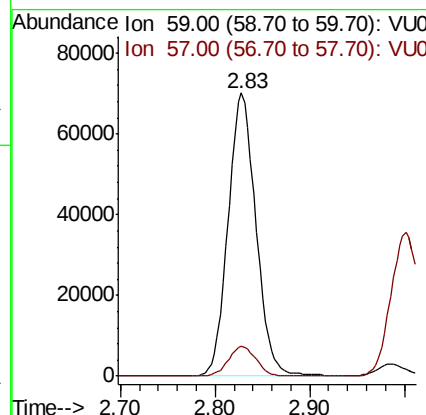
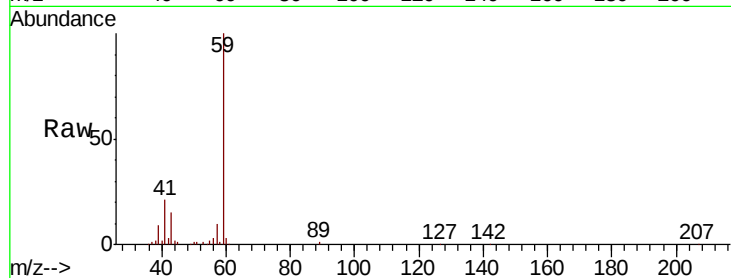
Tert butyl alcohol  
 Concen: 245.46 ug/l  
 RT: 2.83 min Scan# 696  
 Delta R.T. 0.00 min  
 Lab File: VU025729.D  
 Acq: 30 Jul 2018 17:48

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion   | 59.00 | Resp  | 143670 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 57        | 10.4  | 8.2   | 12.2   |

Manual Integrations  
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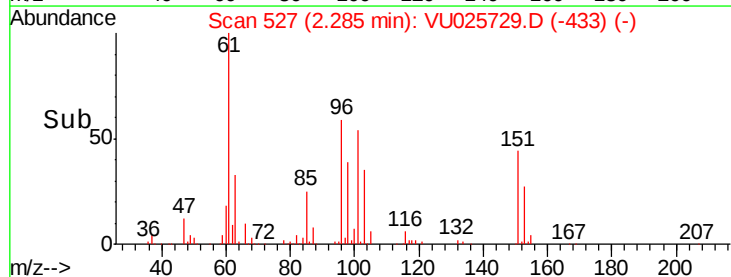
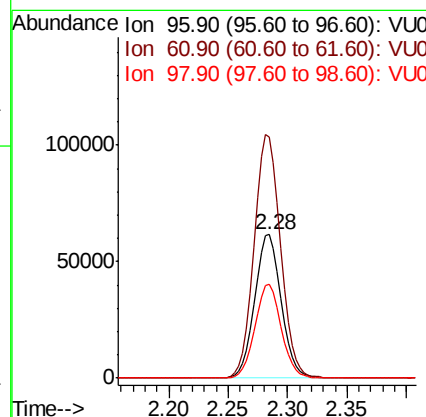
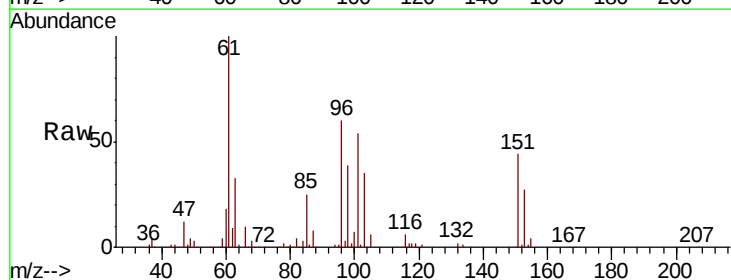
MMDadoda  
 7/31/2018 2:17:11 PM

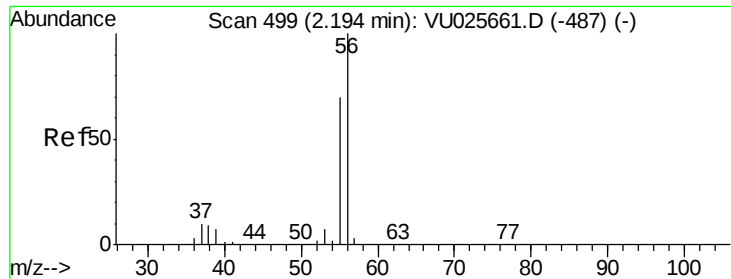


#12

1,1-Dichloroethene  
 Concen: 51.61 ug/l  
 RT: 2.28 min Scan# 527  
 Delta R.T. 0.00 min  
 Lab File: VU025729.D  
 Acq: 30 Jul 2018 17:48

| Tgt Ion   | 96    | Resp  | 95084 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 61        | 167.8 | 140.2 | 210.4 |
| 98        | 65.8  | 49.3  | 73.9  |





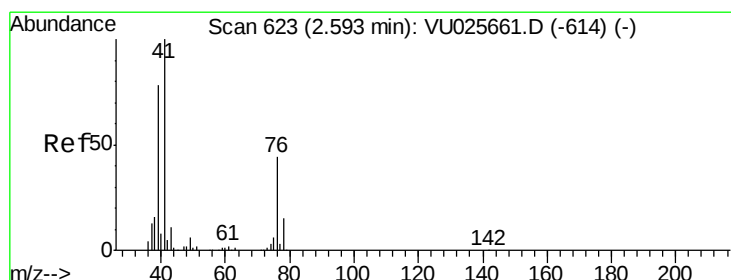
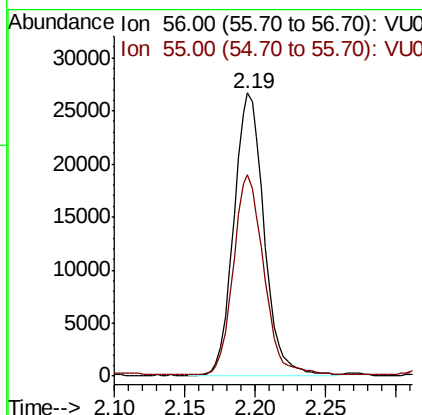
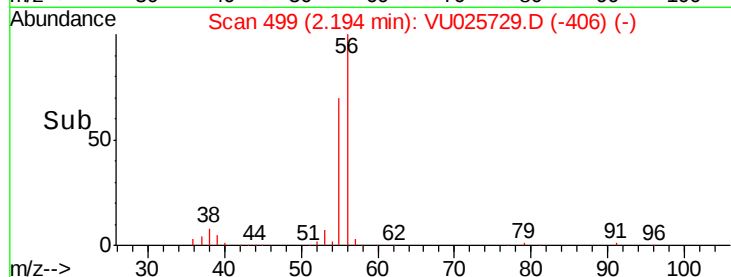
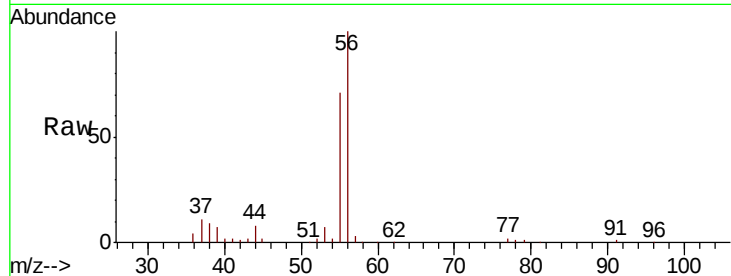
#13  
Acrolein  
Concen: 189.59 ug/l  
RT: 2.19 min Scan# 499  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 56   | Resp  | 40292 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 56        | 100  |       |       |
| 55        | 70.7 | 57.2  | 85.8  |

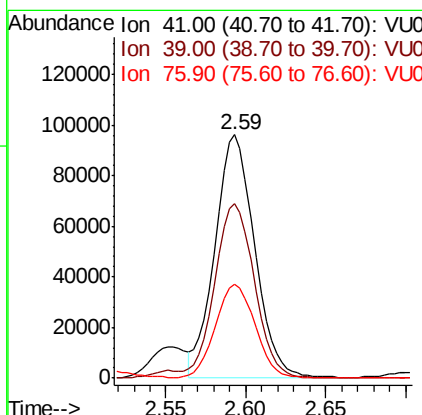
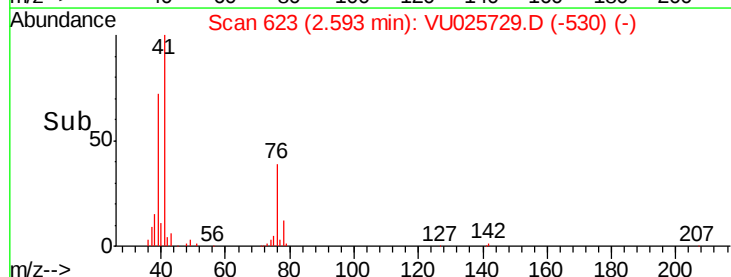
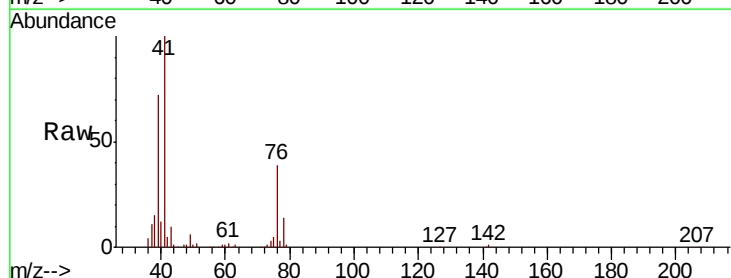
Manual Integrations  
APPROVED

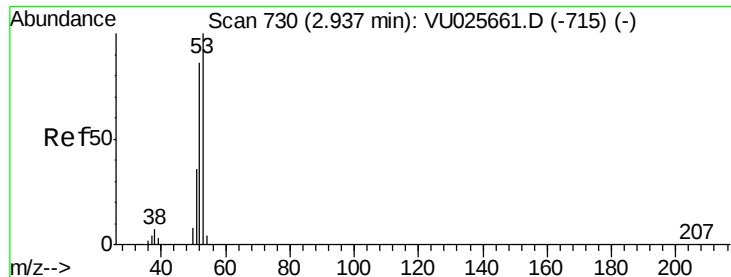
MMDadoda  
7/31/2018 2:17:11 PM



#14  
Allyl chloride  
Concen: 49.18 ug/l  
RT: 2.59 min Scan# 623  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

| Tgt Ion   | 41   | Resp  | 162835 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 41        | 100  |       |        |
| 39        | 72.0 | 60.6  | 91.0   |
| 76        | 38.9 | 30.5  | 45.7   |





#15

Acrylonitrile

Concen: 267.78 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA\_U

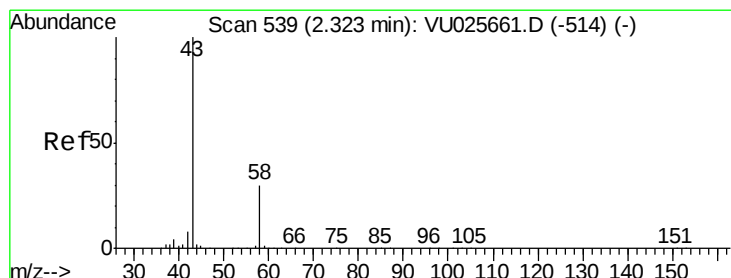
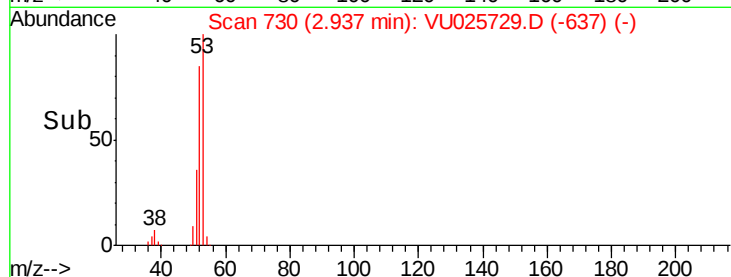
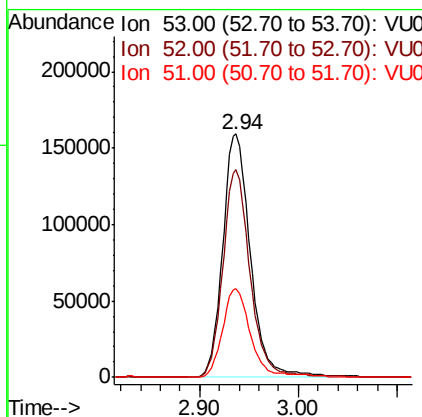
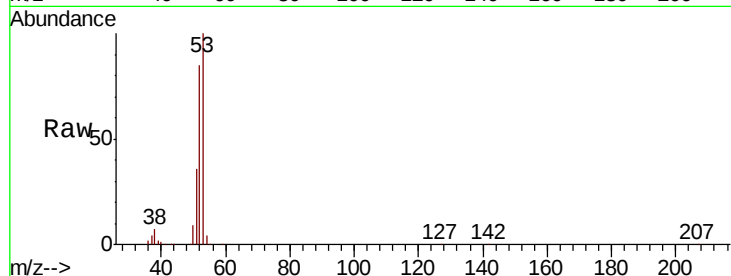
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 312933 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 84.2  | 66.6  | 99.8   |
| 51       | 37.3  | 29.4  | 44.2   |

Manual Integrations  
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MMDadoda  
7/31/2018 2:17:11 PM



#16

Acetone

Concen: 219.53 ug/l

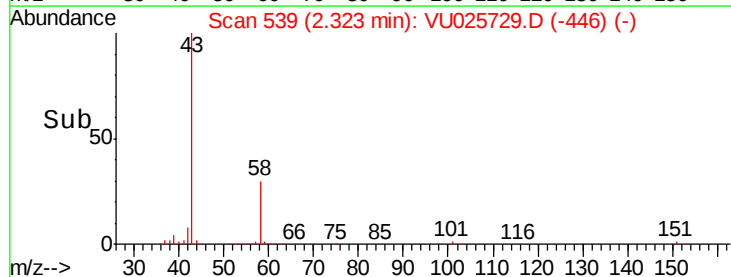
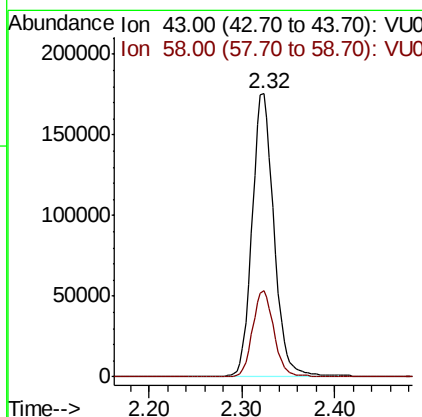
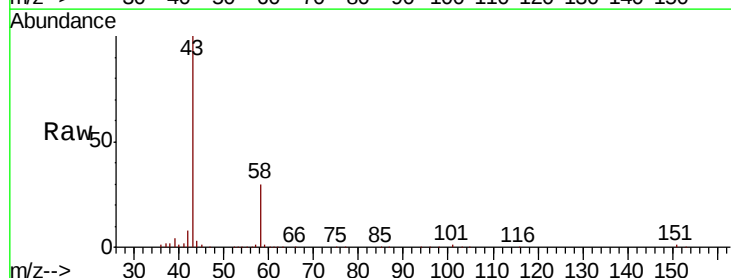
RT: 2.32 min Scan# 539

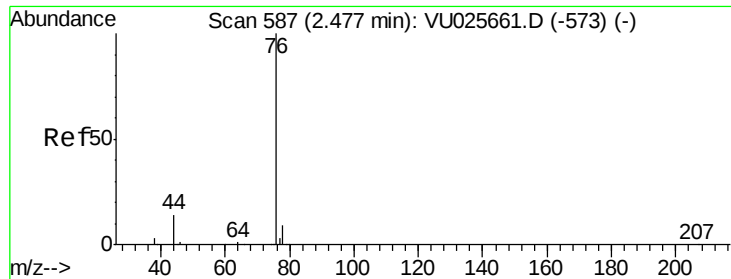
Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 286144 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 30.4  | 23.1  | 34.7   |





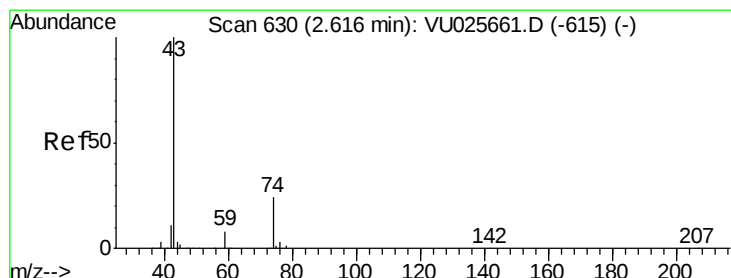
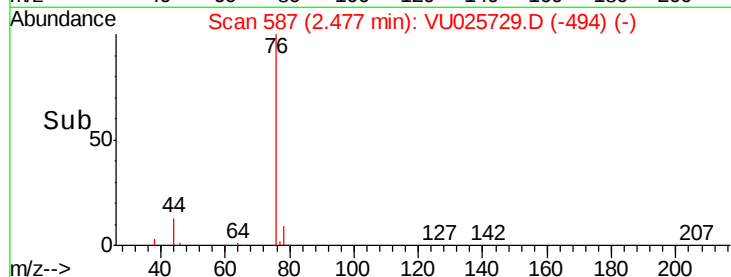
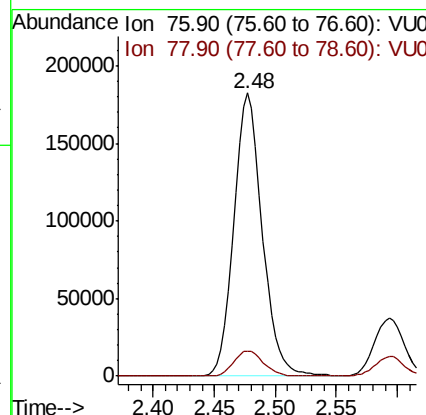
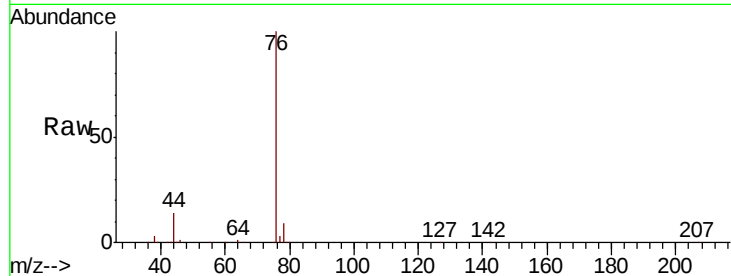
#17  
Carbon Disulfide  
Concen: 49.69 ug/l  
RT: 2.48 min Scan# 587  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.9   | 7.4   | 11.2  |

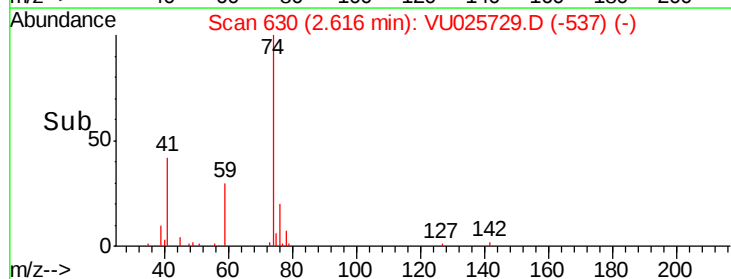
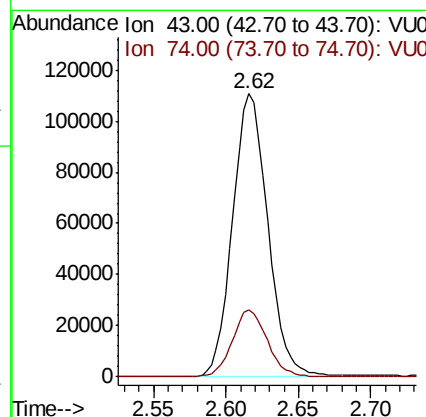
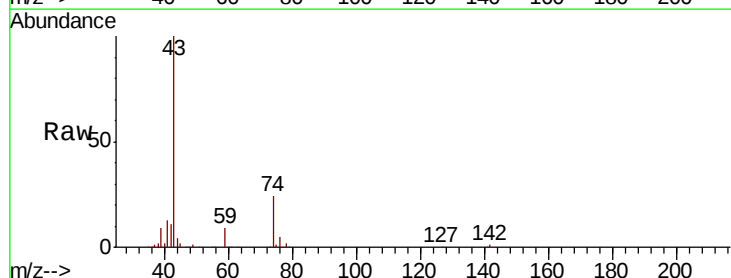
Manual Integrations  
APPROVED

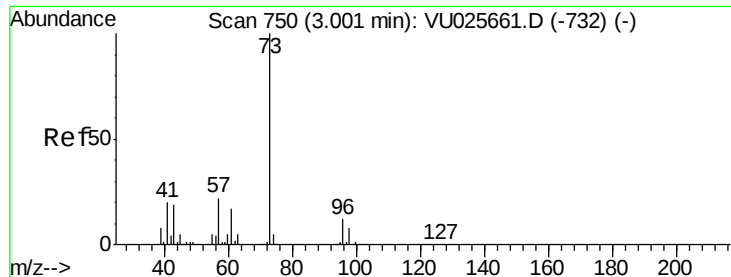
MMDadoda  
7/31/2018 2:17:11 PM



#18  
Methyl Acetate  
Concen: 58.96 ug/l  
RT: 2.62 min Scan# 630  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 23.7  | 18.5  | 27.7  |





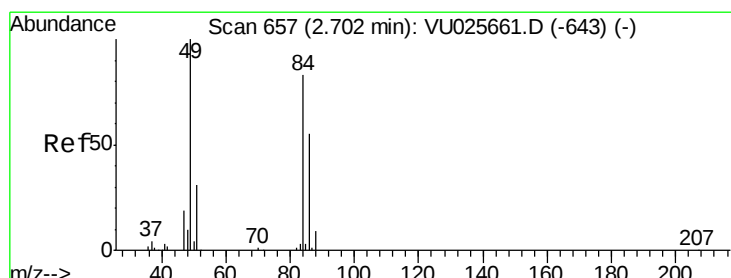
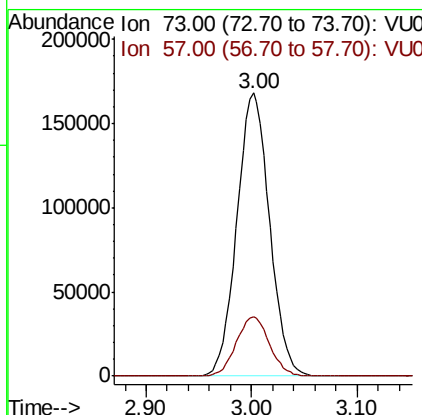
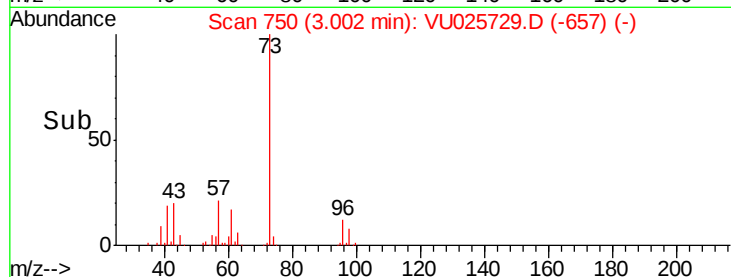
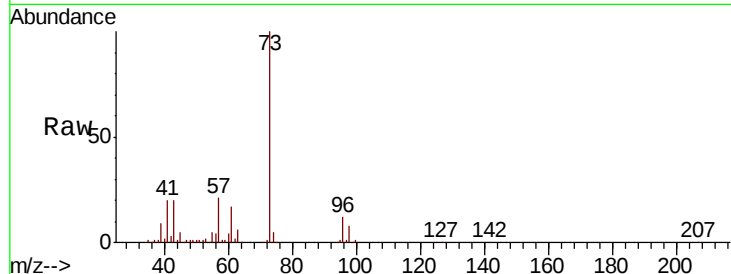
#19  
Methvl tert-butvl Ether  
Concen: 54.20 ug/l  
RT: 3.00 min Scan# 750  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 21.2  | 17.4  | 26.2  |

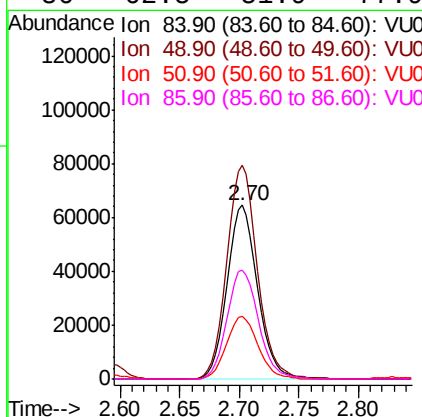
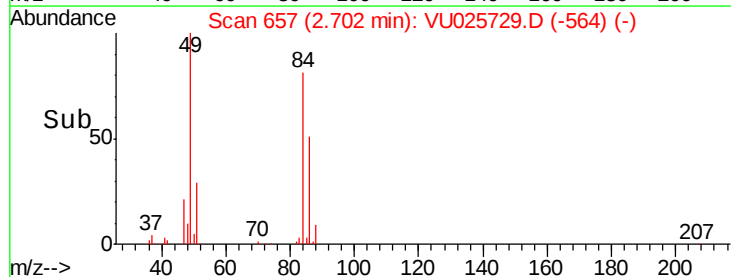
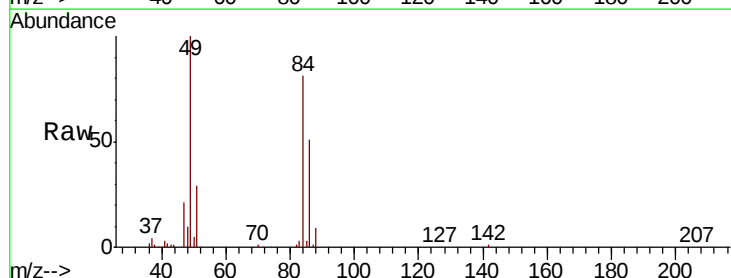
Manual Integrations  
APPROVED

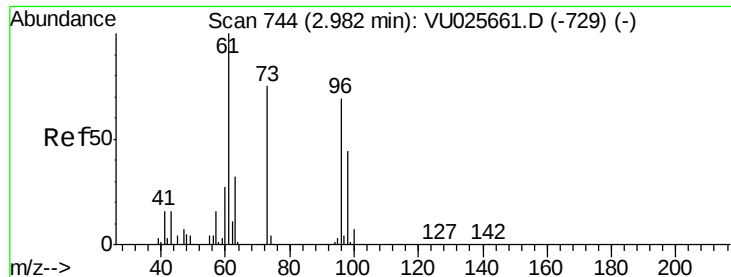
MMDadoda  
7/31/2018 2:17:11 PM



#20  
Methylene Chloride  
Concen: 49.68 ug/l  
RT: 2.70 min Scan# 657  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 122.8 | 101.8 | 152.6 |
| 51      | 35.8  | 30.8  | 46.2  |
| 86      | 62.5  | 51.9  | 77.9  |





#21

trans-1,2-Dichloroethene

Concen: 51.46 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA\_U

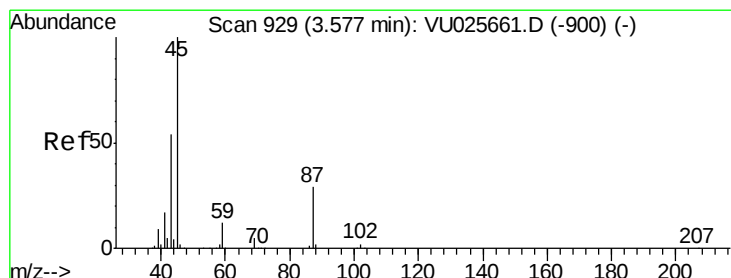
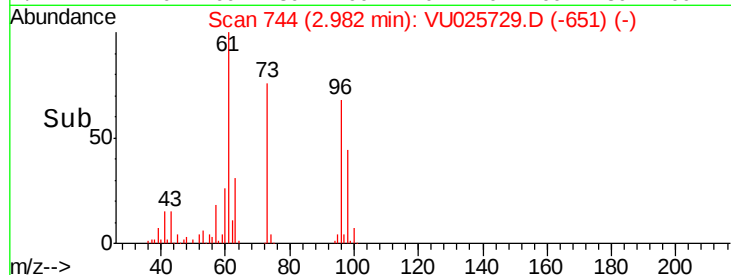
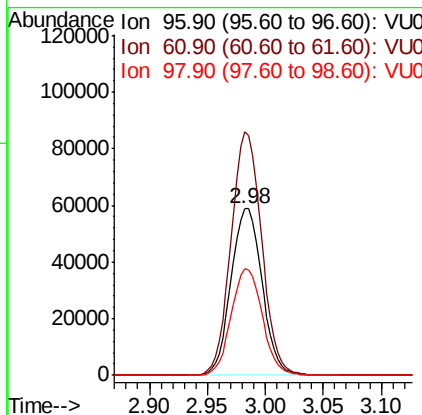
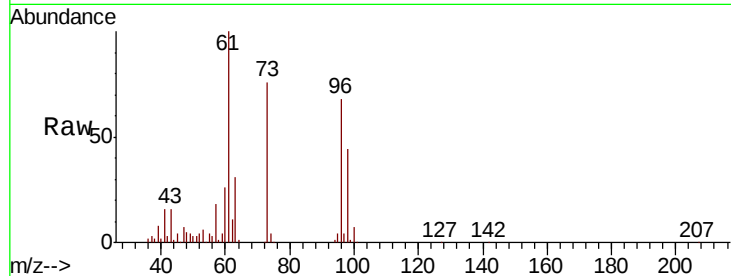
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 109584 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 146.0 | 114.5 | 171.7  |
| 98       | 63.9  | 50.5  | 75.7   |

Manual Integrations  
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#22

Diisopropyl ether

Concen: 54.13 ug/l

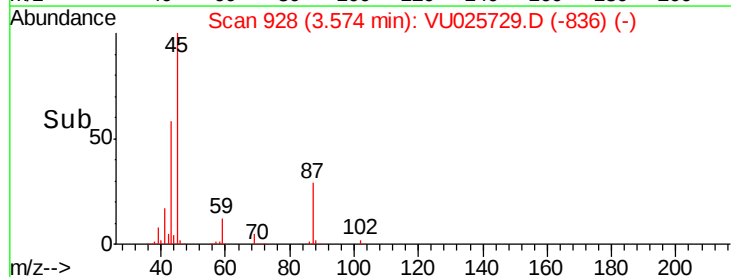
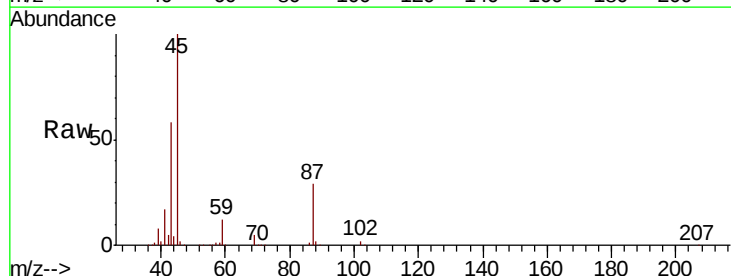
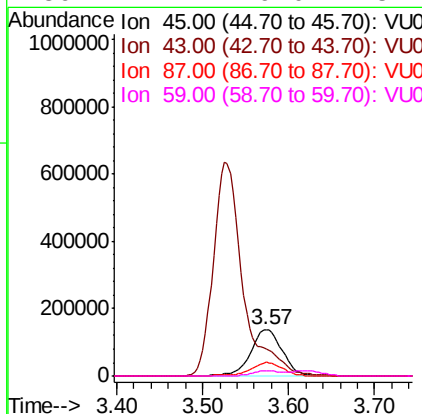
RT: 3.57 min Scan# 928

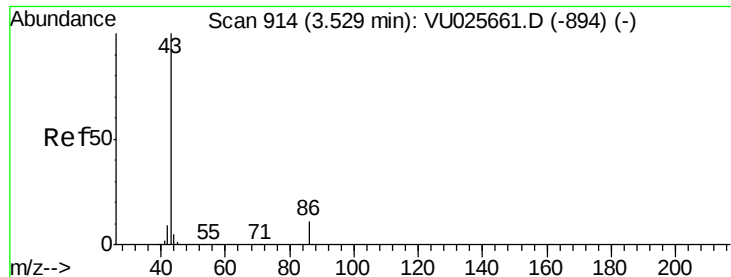
Delta R.T. -0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 353159 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 57.3  | 50.9  | 76.3   |
| 87       | 29.0  | 23.8  | 35.8   |
| 59       | 11.7  | 9.0   | 13.4   |





#23

Vinyl Acetate

Concen: 269.87 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Tot Ion: 43 Resp: 1534416

Ion Ratio Lower Upper

43 100

86 10.3 8.2 12.2

Instrument :

MSVOA\_U

ClientSampleId :

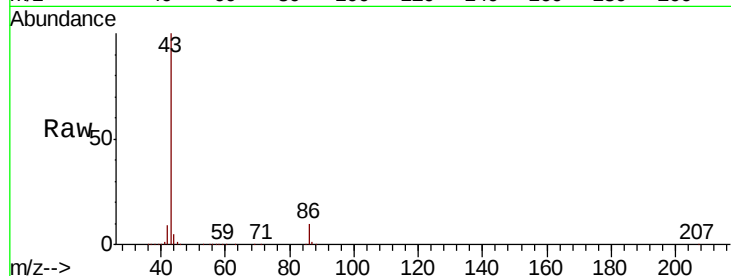
VSTDCCC050EC

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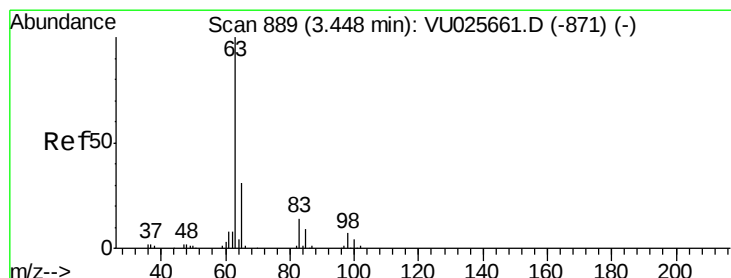
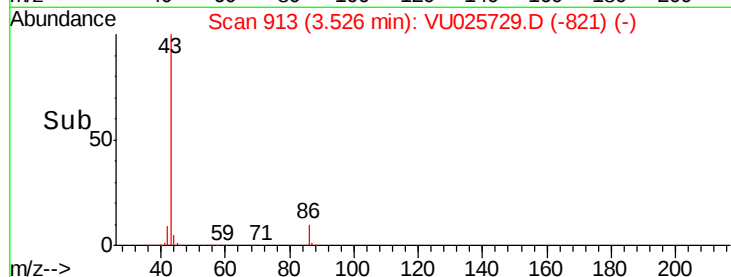
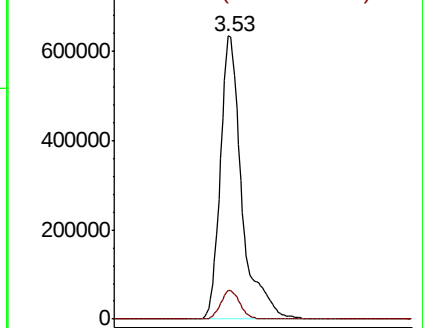
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU025729.D (-821) (-)

Ion 86.00 (85.70 to 86.70): VU025729.D (-821) (-)



#24

1,1-Dichloroethane

Concen: 53.24 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

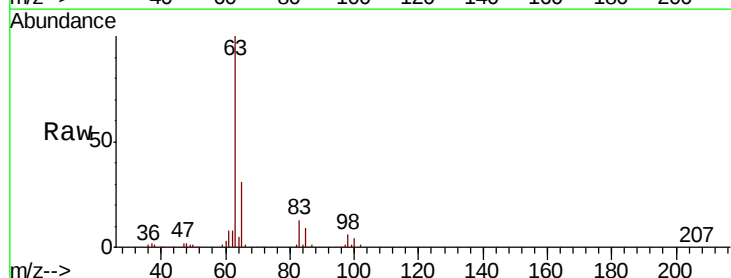
Tgt Ion: 63 Resp: 208518

Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.1

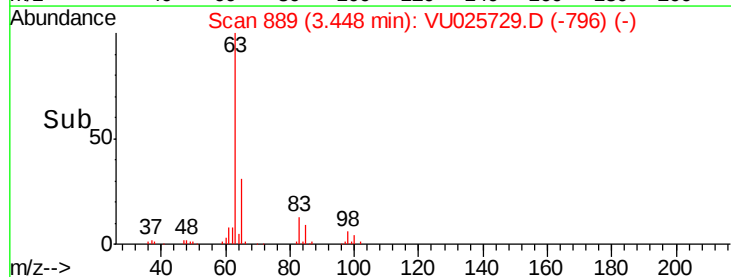
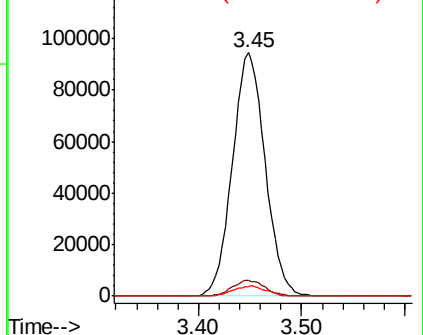
100 4.1 2.0 6.0

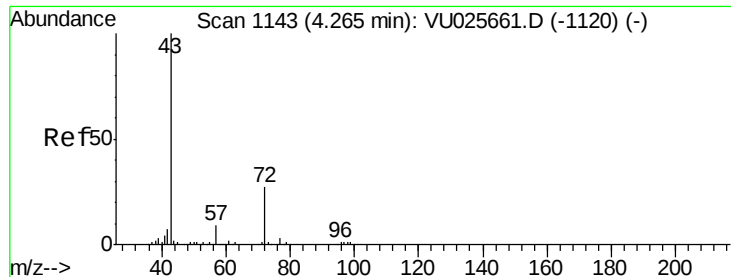


Abundance Ion 62.90 (62.60 to 63.60): VU025729.D (-796) (-)

Ion 97.90 (97.60 to 98.60): VU025729.D (-796) (-)

Ion 99.90 (99.60 to 100.60): VU025729.D (-796) (-)





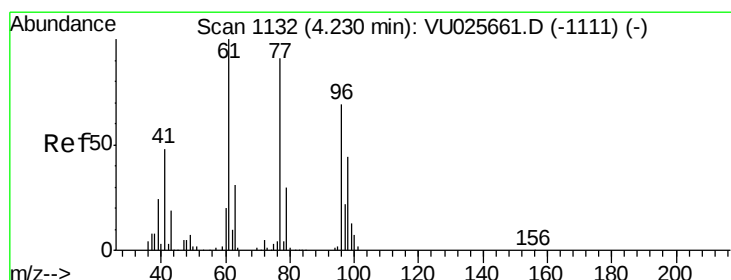
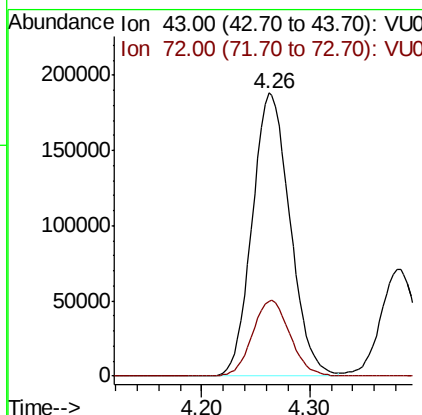
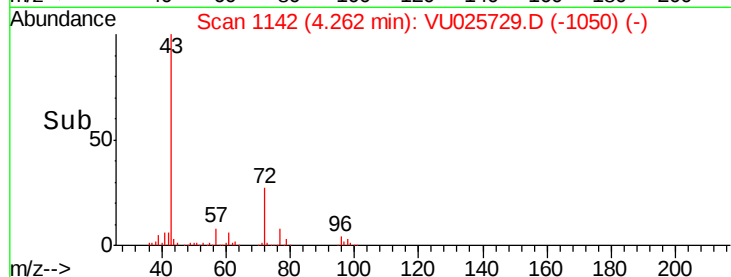
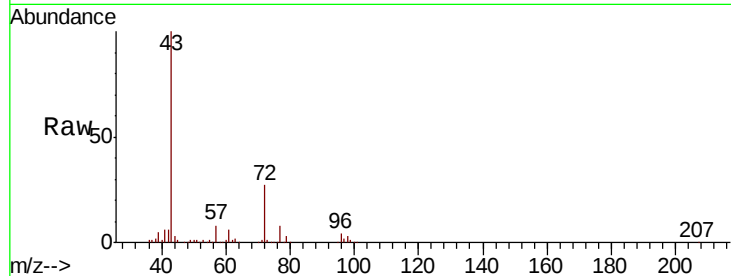
#25  
2-Butanone  
Concen: 256.85 ug/l  
RT: 4.26 min Scan# 1142  
Delta R.T. -0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 455728  
Ion Ratio Lower Upper  
43 100  
72 26.6 21.0 31.4

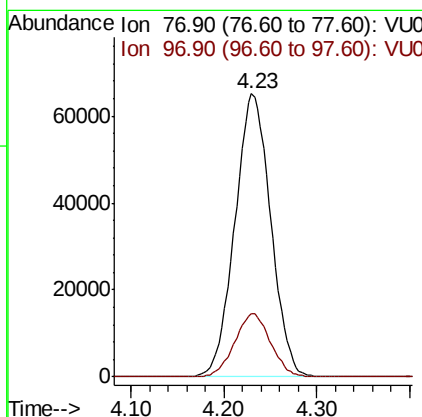
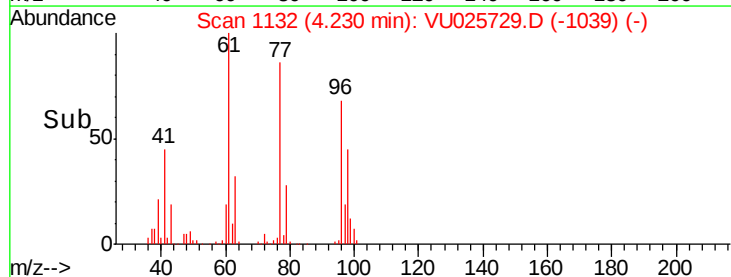
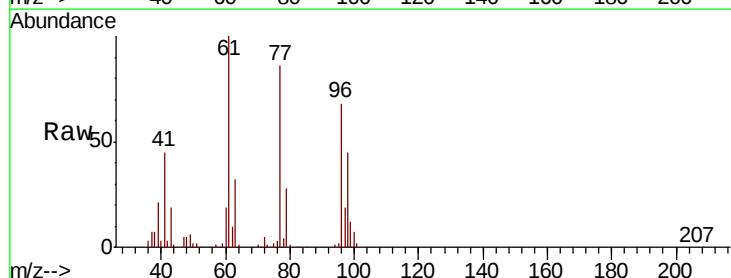
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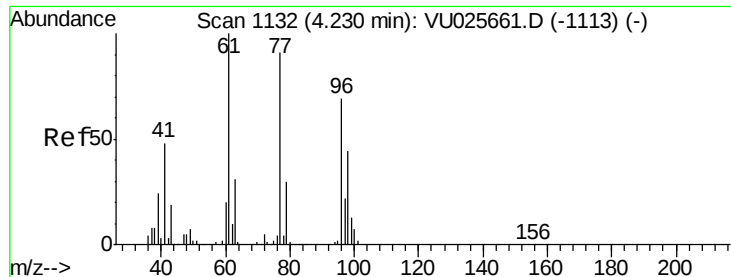
MMDadoda  
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#26  
2,2-Dichloropropane  
Concen: 49.03 ug/l  
RT: 4.23 min Scan# 1132  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

Tgt Ion: 77 Resp: 174524  
Ion Ratio Lower Upper  
77 100  
97 22.4 11.2 33.5





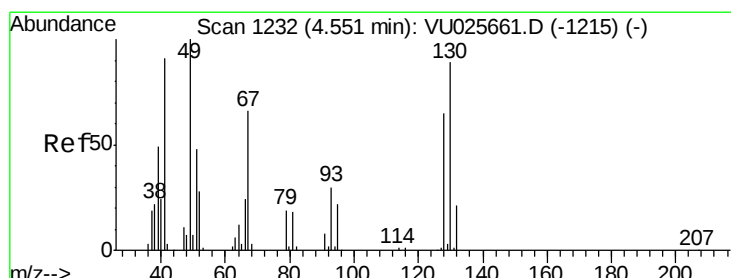
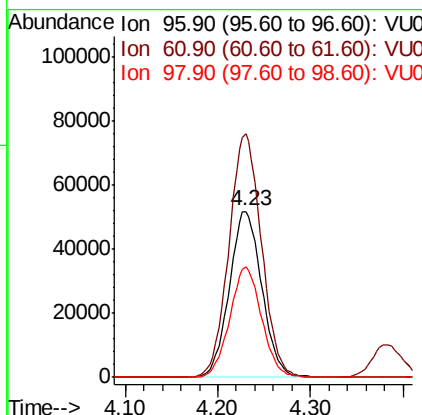
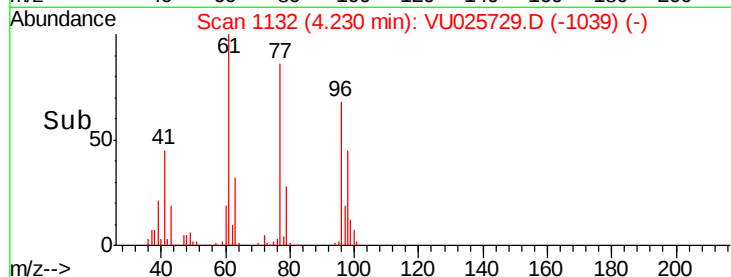
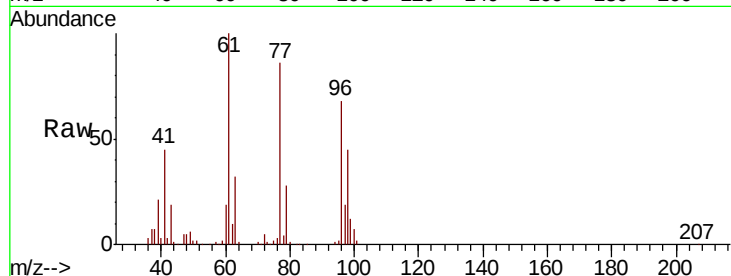
#27  
 cis-1,2-Dichloroethene  
 Concen: 52.24 ug/l  
 RT: 4.23 min Scan# 1132  
 Delta R.T. 0.00 min  
 Lab File: VU025729.D  
 Acq: 30 Jul 2018 17:48

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 146.9 | 0.0  | 299.8 |       |
| 98      | 65.1  | 0.0  | 128.6 |       |

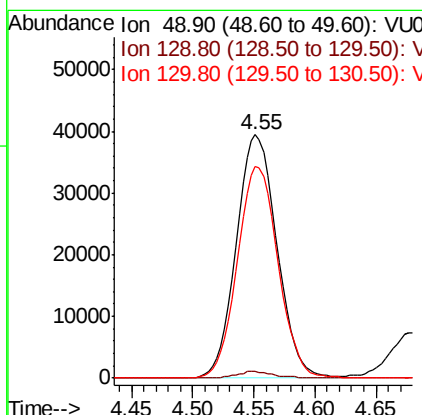
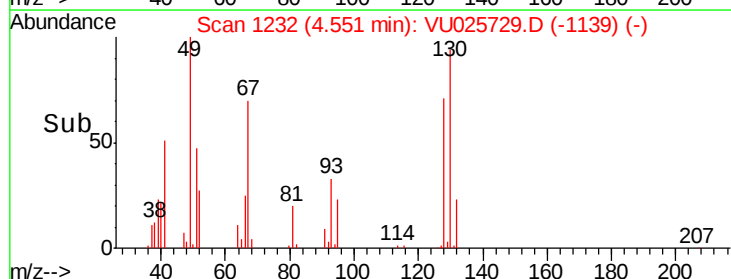
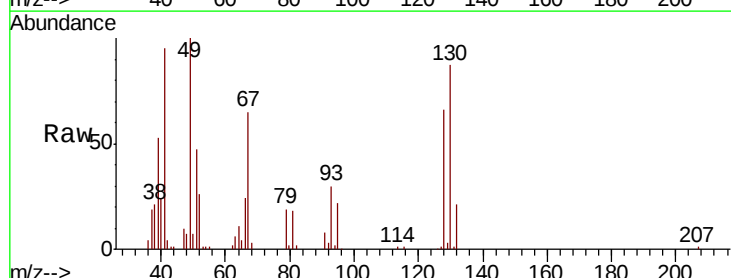
Manual Integrations  
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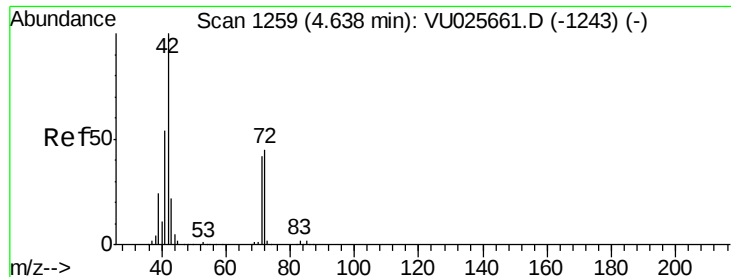
MMDadoda  
 7/31/2018 2:17:11 PM



#28  
 Bromochloromethane  
 Concen: 51.96 ug/l  
 RT: 4.55 min Scan# 1232  
 Delta R.T. 0.00 min  
 Lab File: VU025729.D  
 Acq: 30 Jul 2018 17:48

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 2.5   | 0.0  | 4.6   |       |
| 130     | 87.1  | 68.6 | 102.8 |       |





#29

Tetrahydrofuran

Concen: 268.21 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA\_U

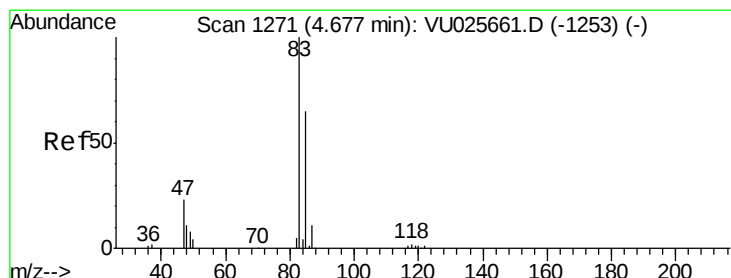
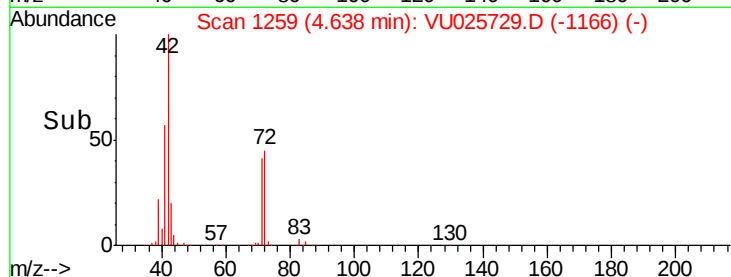
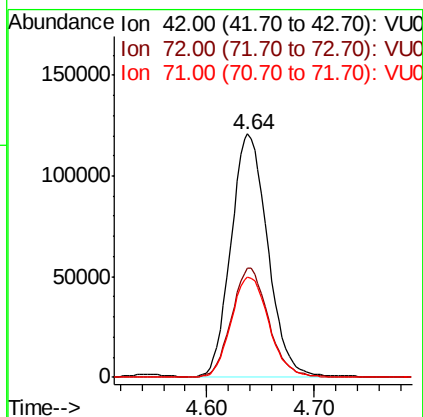
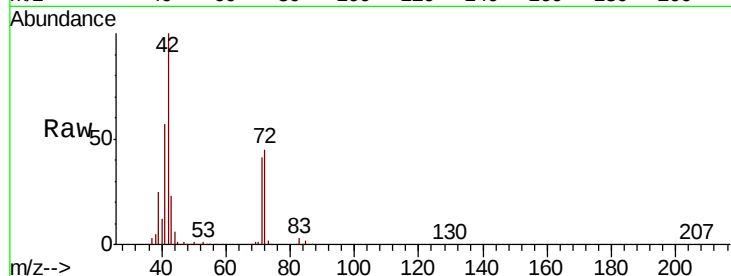
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 42    | Resp: | 285112 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 72        | 45.2  | 36.7  | 55.1   |
| 71        | 42.7  | 33.9  | 50.9   |

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#30

Chloroform

Concen: 52.13 ug/l

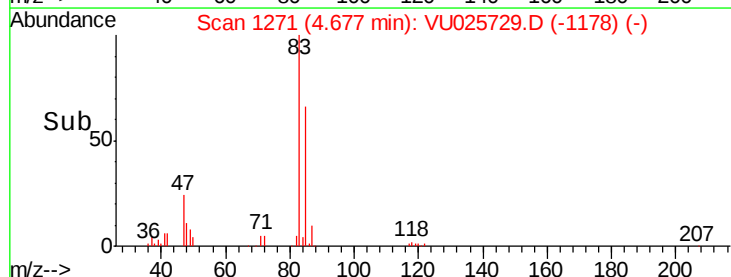
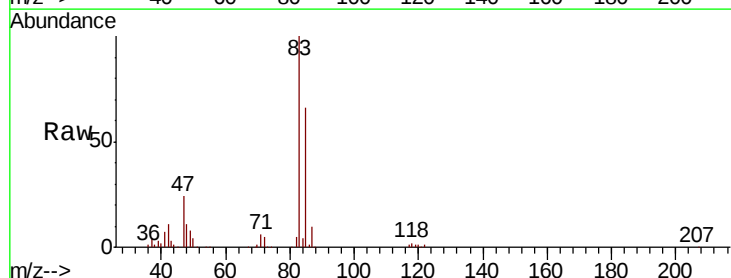
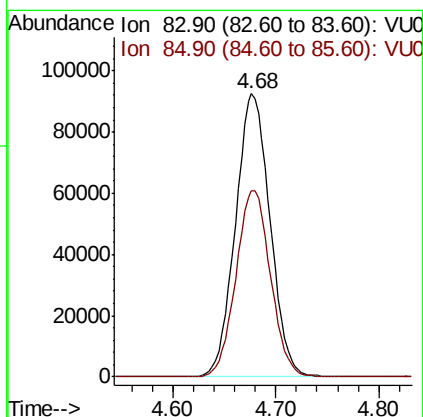
RT: 4.68 min Scan# 1271

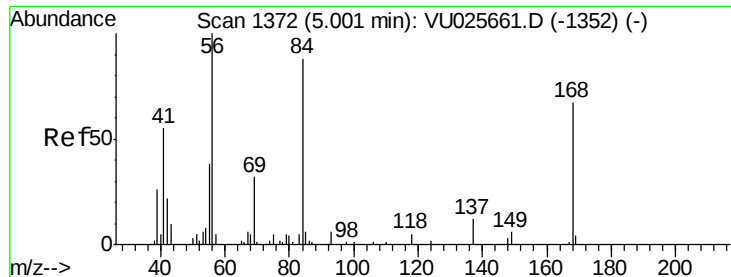
Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 83    | Resp: | 215477 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 65.8  | 51.5  | 77.3   |





#31

Cyclohexane

Concen: 51.43 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA\_U

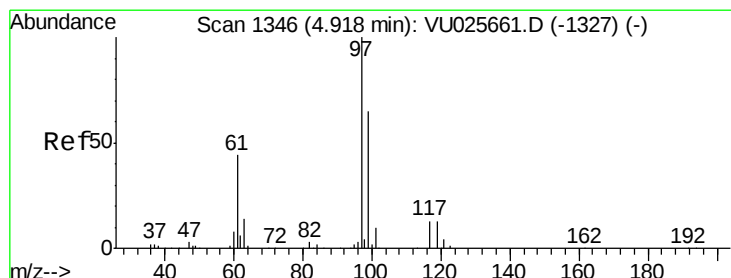
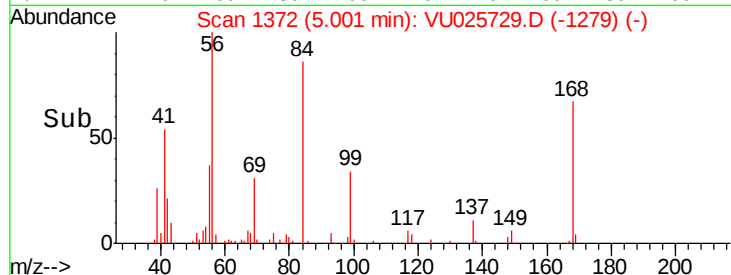
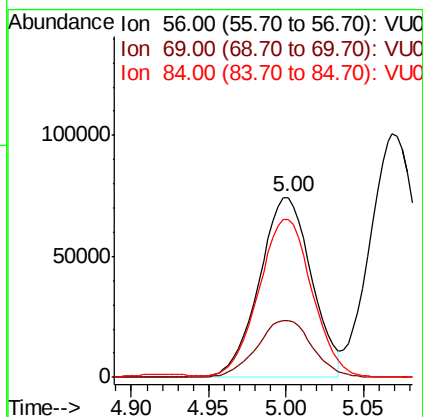
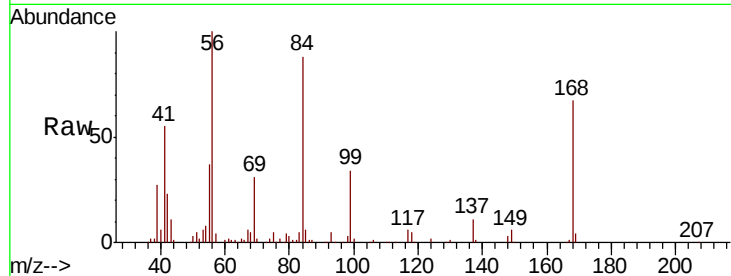
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 175065 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 31.5  | 26.8  | 40.2   |
| 84       | 86.8  | 69.7  | 104.5  |

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#32

1,1,1-Trichloroethane

Concen: 52.73 ug/l

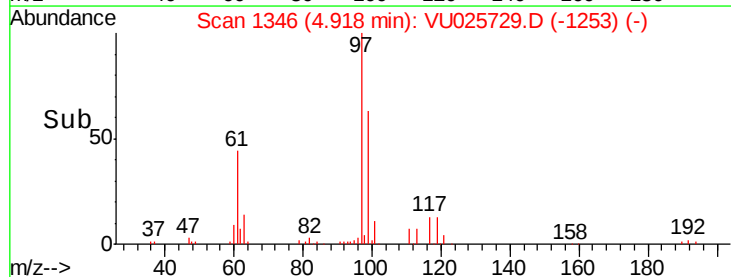
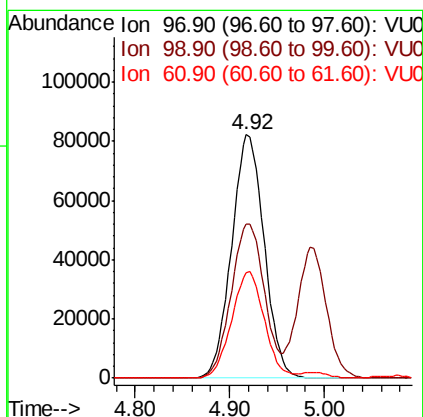
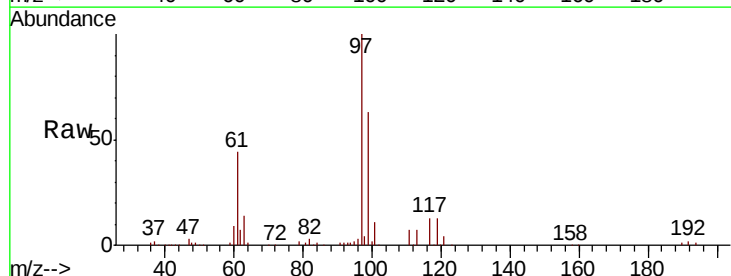
RT: 4.92 min Scan# 1346

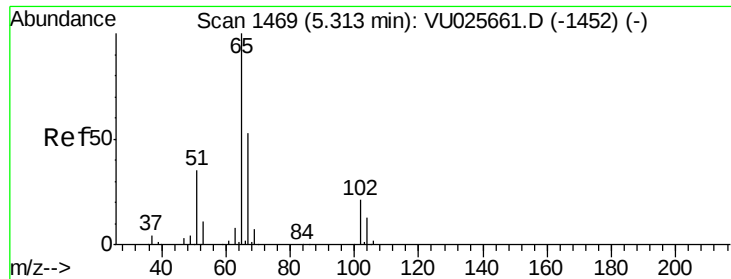
Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 196249 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 64.6  | 50.8  | 76.2   |
| 61       | 44.1  | 35.2  | 52.8   |





#33

1,2-Dichloroethane-d4

Concen: 51.39 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 137388

Ion Ratio Lower Upper

65 100

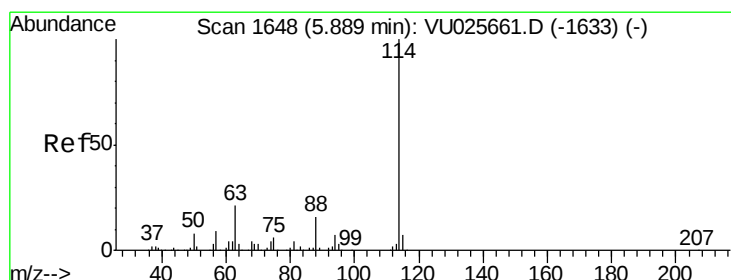
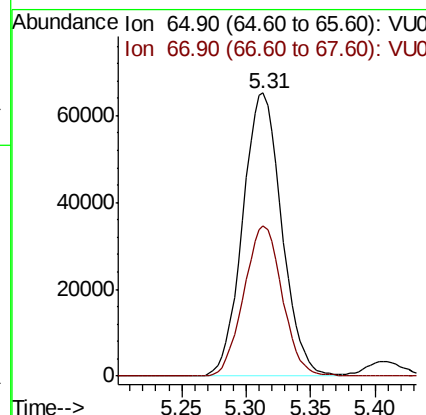
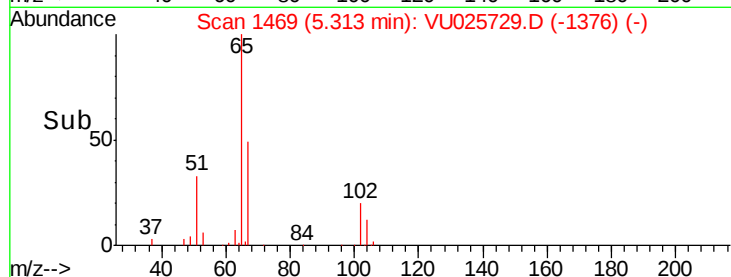
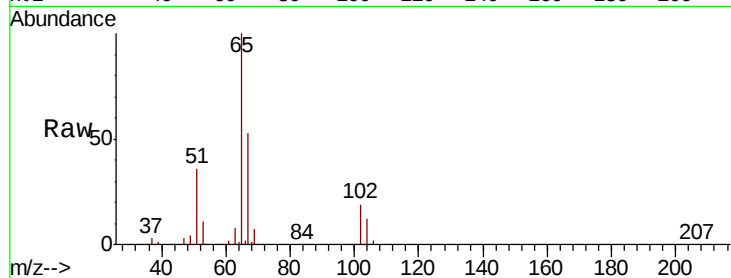
67 52.2 0.0 103.6

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

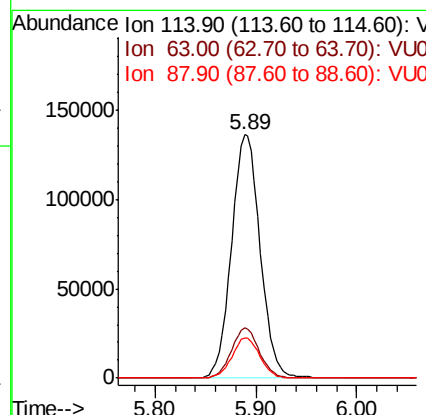
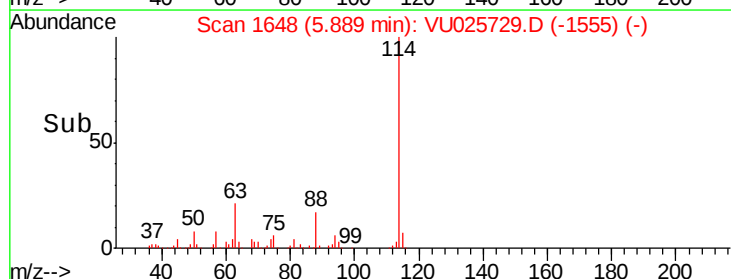
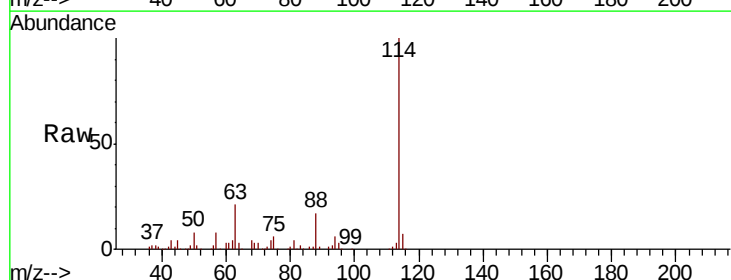
Tgt Ion: 114 Resp: 269474

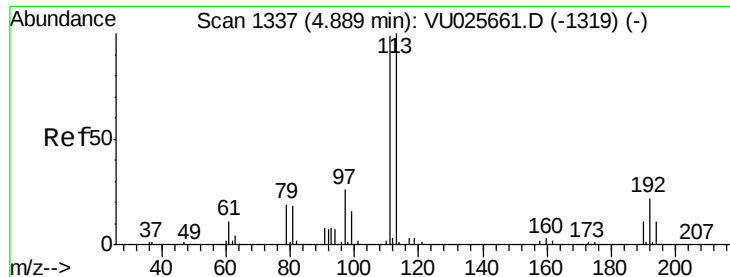
Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.6

88 16.7 0.0 32.4





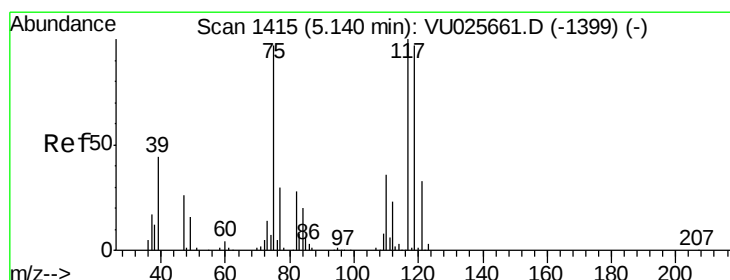
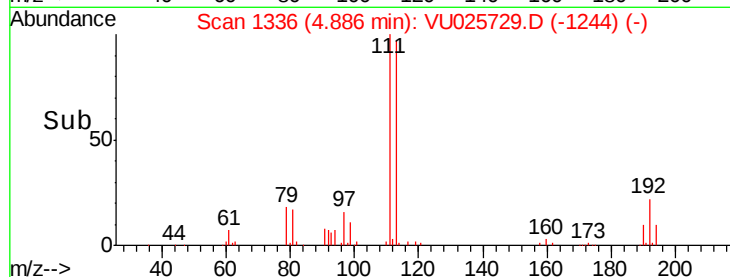
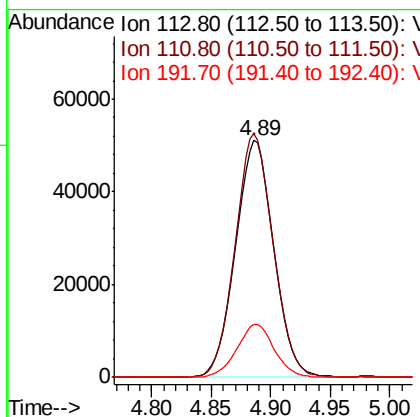
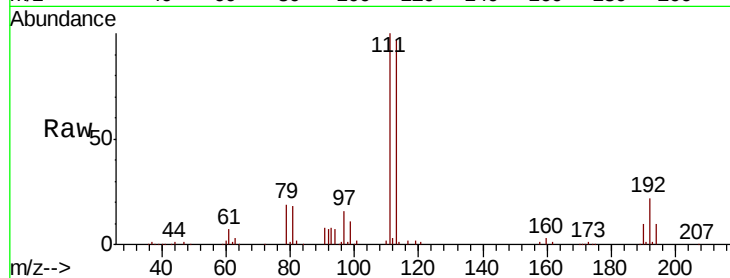
#35  
Dibromofluoromethane  
Concen: 48.49 ug/l  
RT: 4.89 min Scan# 1336  
Delta R.T. -0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.1 | 81.7  | 122.5 |
| 192     | 21.9  | 17.1  | 25.7  |

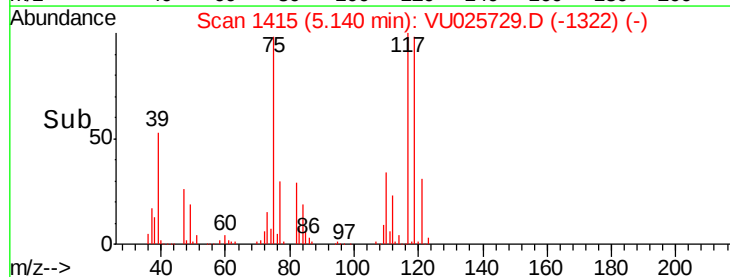
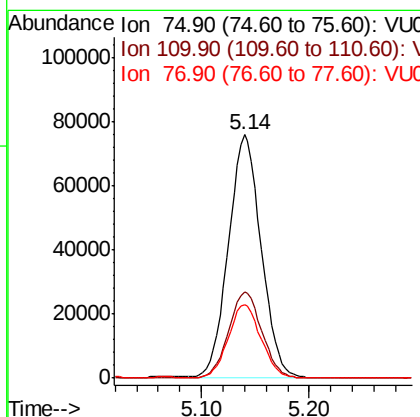
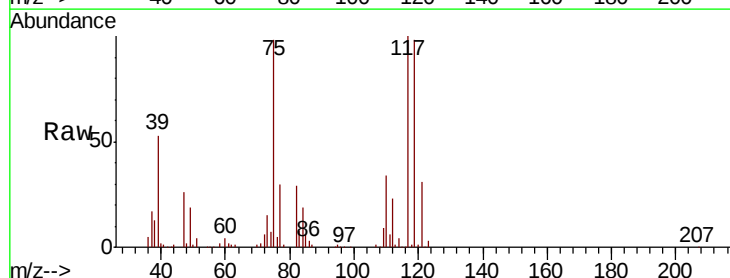
Manual Integrations  
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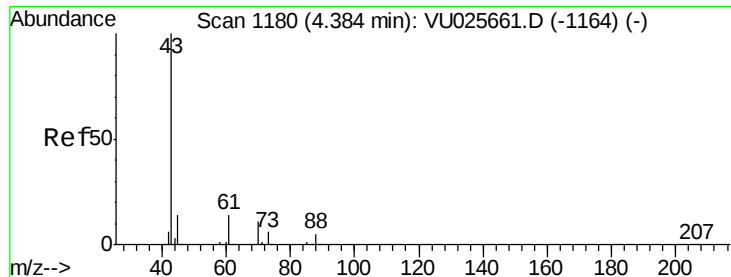
MMDadoda  
7/31/2018 2:17:11 PM



#36  
1,1-Dichloropropene  
Concen: 51.20 ug/l  
RT: 5.14 min Scan# 1415  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 35.7  | 17.6  | 52.9  |
| 77      | 29.7  | 24.4  | 36.6  |





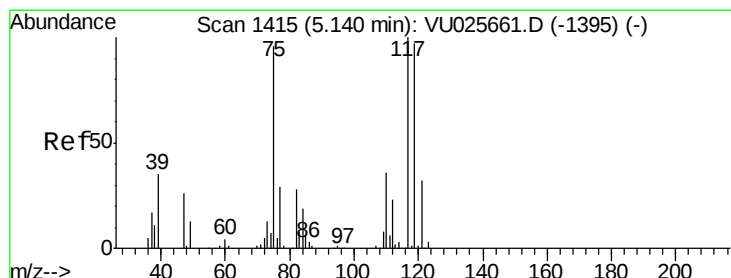
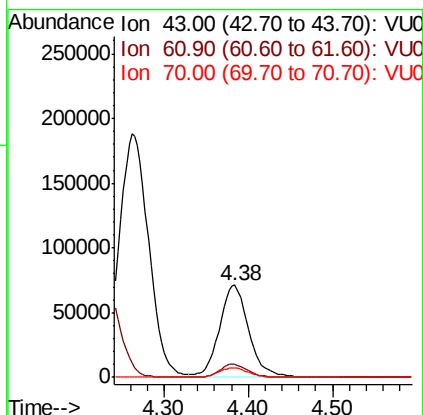
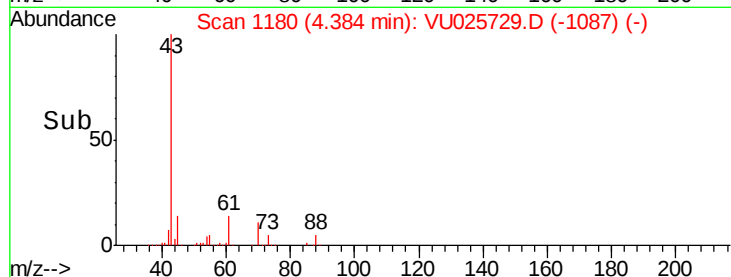
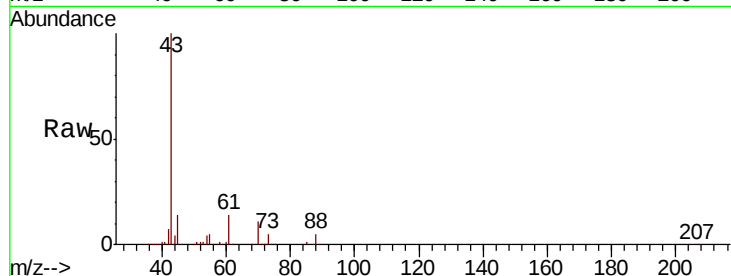
#37  
Ethyl Acetate  
Concen: 52.15 ug/l  
RT: 4.38 min Scan# 1180  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.7  | 10.7  | 16.1  |
| 70      | 10.4  | 8.4   | 12.6  |

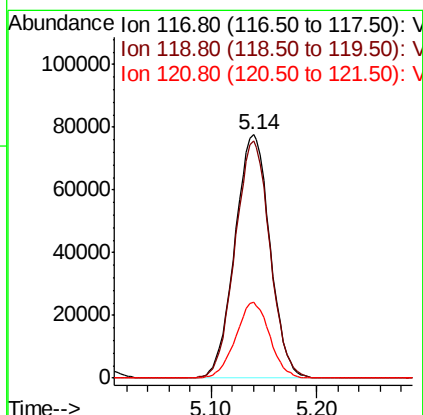
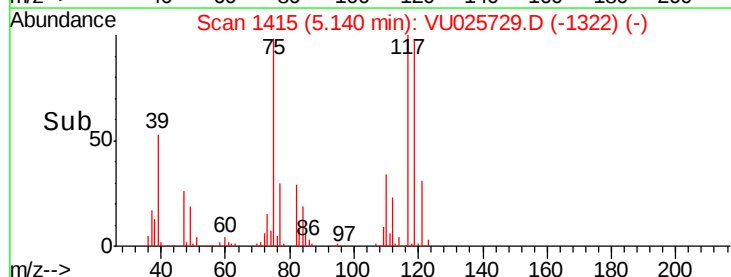
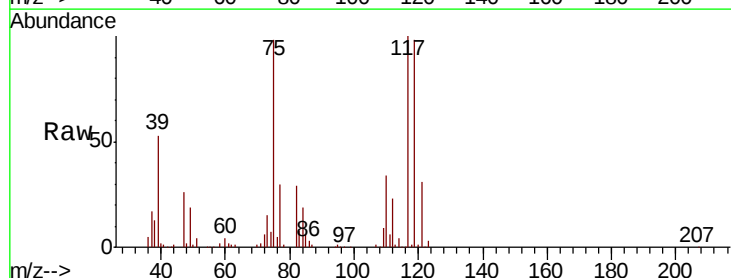
Manual Integrations  
APPROVED

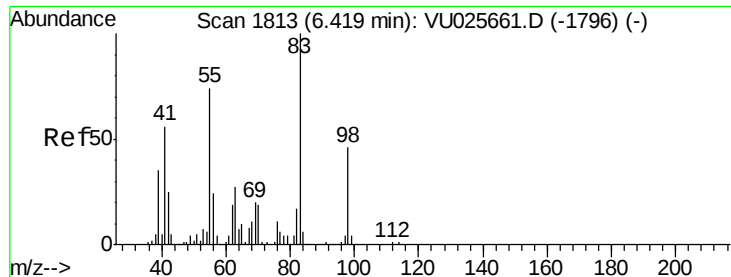
MMDadoda  
7/31/2018 2:17:11 PM



#38  
Carbon Tetrachloride  
Concen: 50.27 ug/l  
RT: 5.14 min Scan# 1415  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.6  | 75.7  | 113.5 |
| 121     | 31.0  | 24.6  | 36.8  |





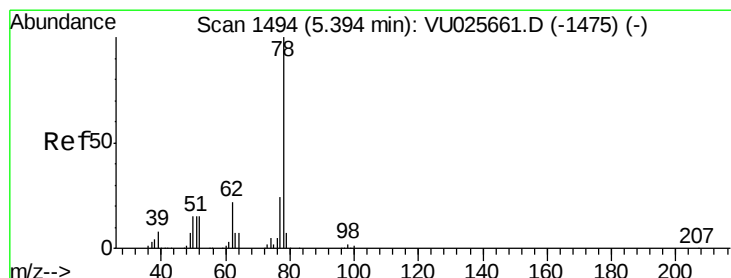
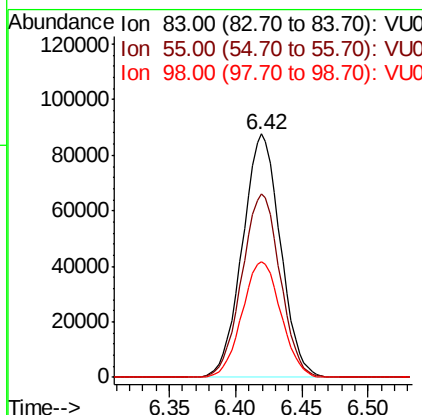
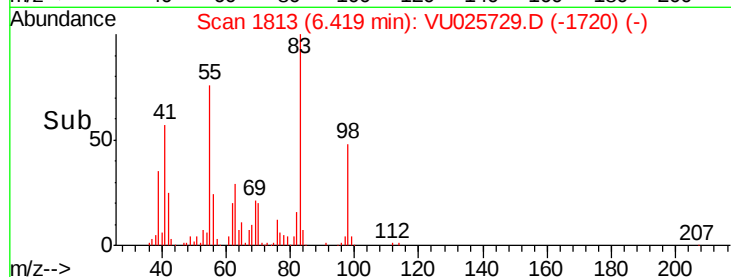
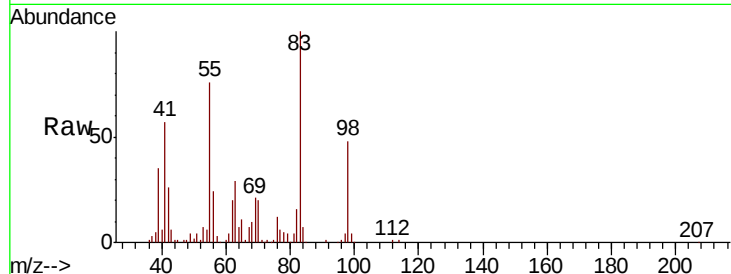
#39  
Methvlcvclohexane  
Concen: 48.17 ug/l  
RT: 6.42 min Scan# 1813  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 75.6  | 60.0  | 90.0  |
| 98      | 47.6  | 36.1  | 54.1  |

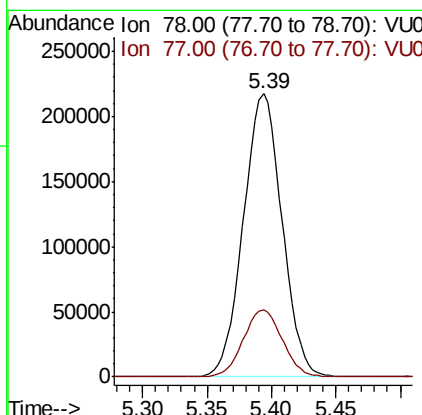
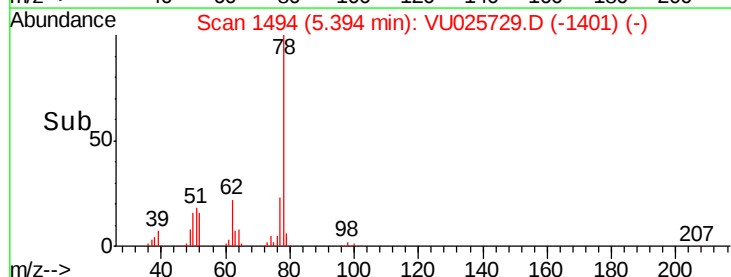
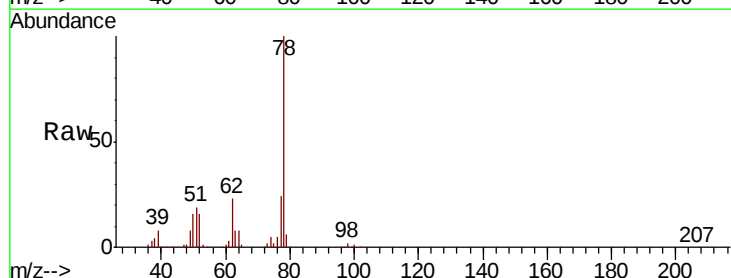
Manual Integrations  
APPROVED

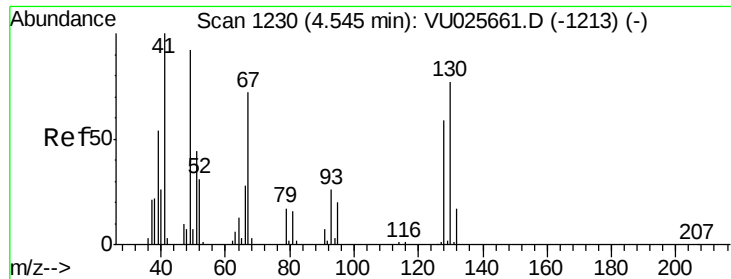
MMDadoda  
7/31/2018 2:17:11 PM



#40  
Benzene  
Concen: 49.36 ug/l  
RT: 5.39 min Scan# 1494  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.5  | 19.8  | 29.6  |





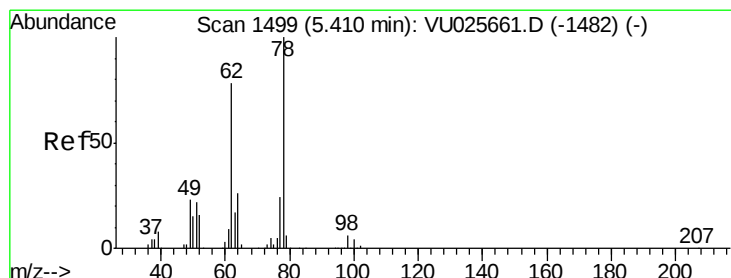
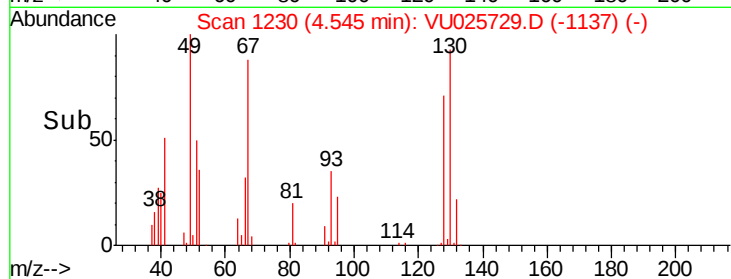
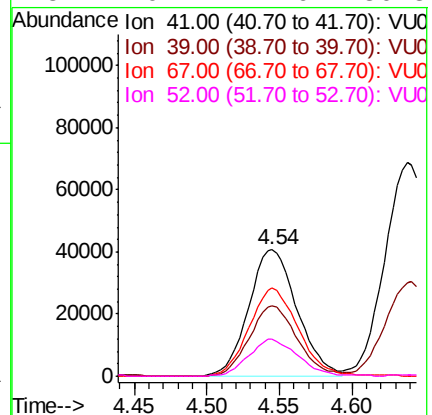
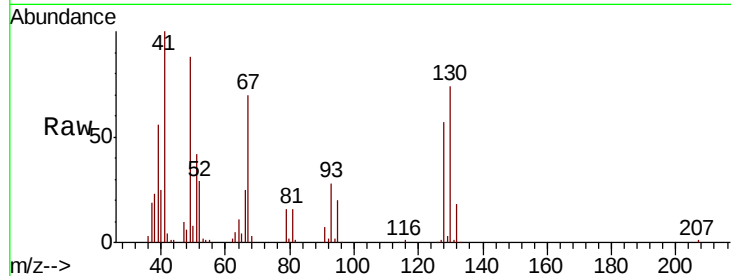
#41  
Methacrylonitrile  
Concen: 52.24 ug/l  
RT: 4.54 min Scan# 1230  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 55.4 | 44.4  | 66.6  |       |
| 67      | 70.4 | 56.0  | 84.0  |       |
| 52      | 29.7 | 24.6  | 36.8  |       |

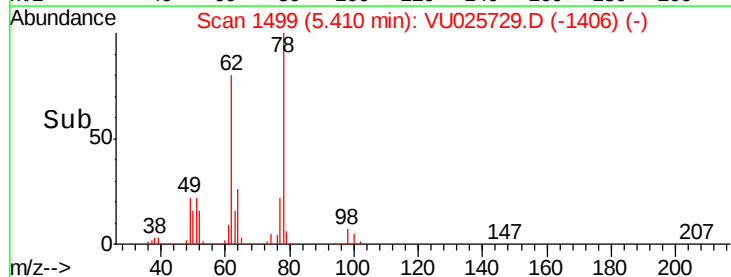
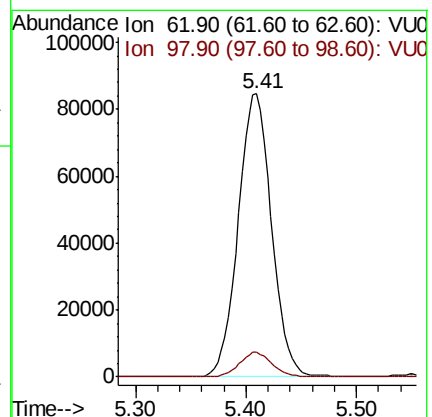
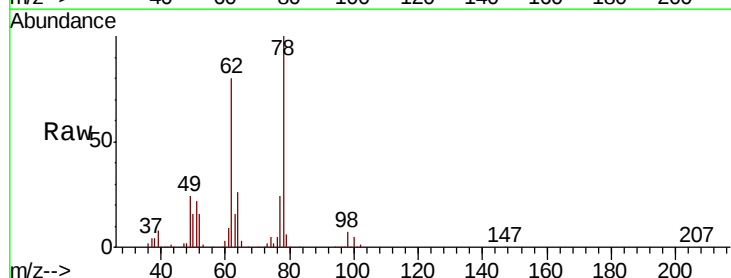
Manual Integrations  
APPROVED

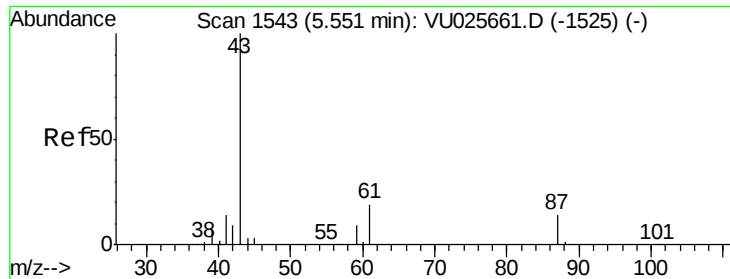
MMDadoda  
7/31/2018 2:17:11 PM



#42  
1,2-Dichloroethane  
Concen: 49.98 ug/l  
RT: 5.41 min Scan# 1499  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 8.4 | 0.0   | 16.4  |       |





#43

Isopropyl Acetate

Concen: 51.28 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA\_U

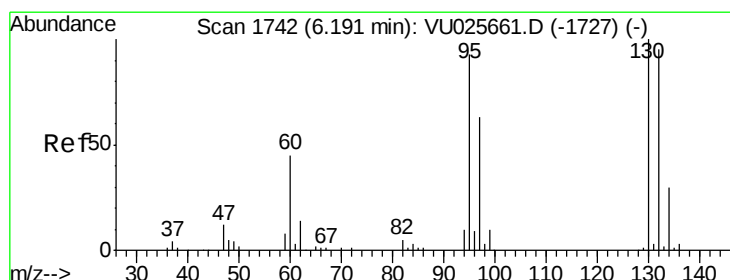
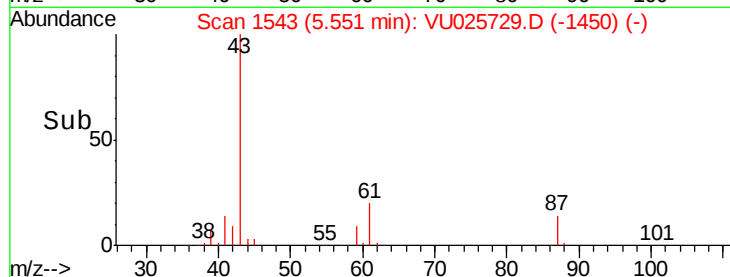
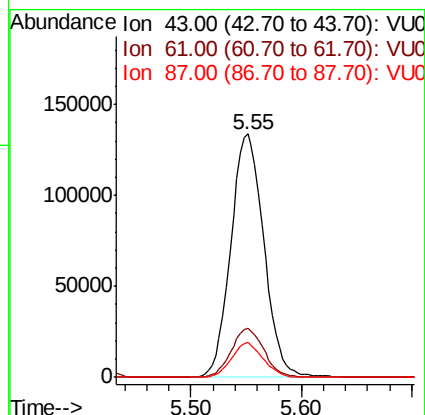
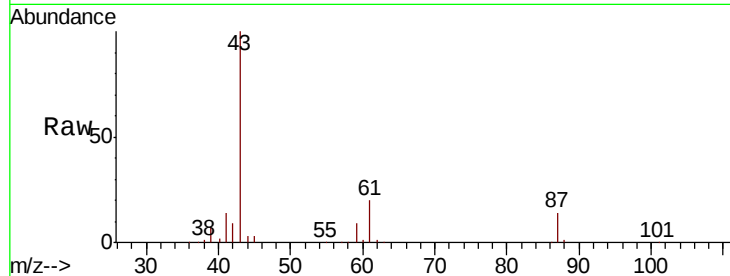
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 276692 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 20.1  | 15.5  | 23.3   |
| 87       | 13.6  | 10.6  | 16.0   |

Manual Integrations  
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7/31/2018 2:17:11 PM



#44

Trichloroethene

Concen: 50.00 ug/l

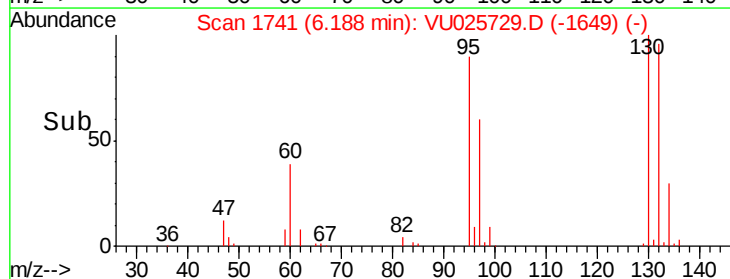
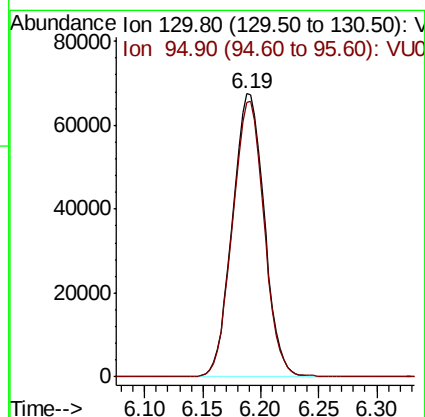
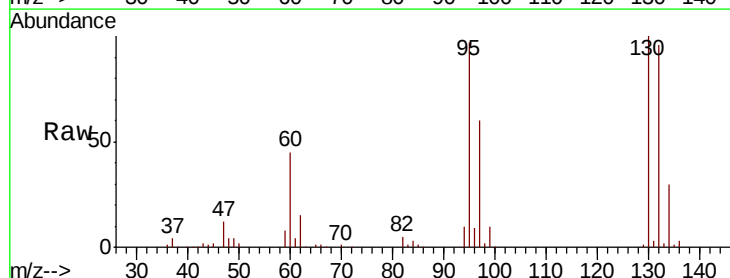
RT: 6.19 min Scan# 1741

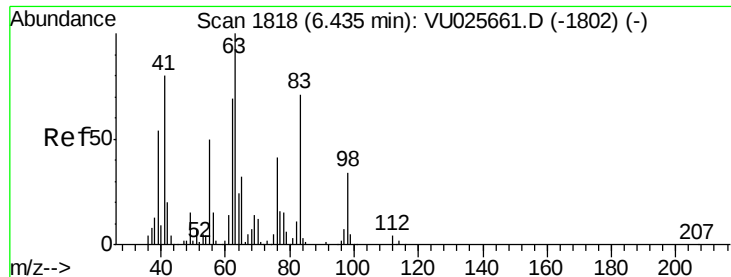
Delta R.T. -0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 128190 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 97.0  | 0.0   | 192.2  |





#45

1,2-Dichloropropane

Concen: 50.19 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 120501

Ion Ratio Lower Upper

63 100

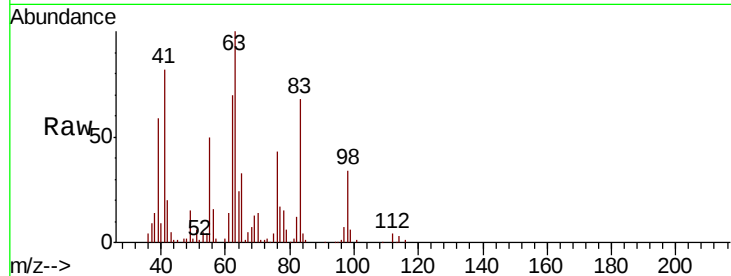
65 32.6 26.1 39.1

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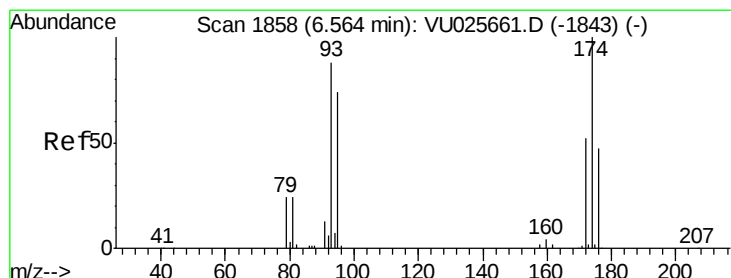
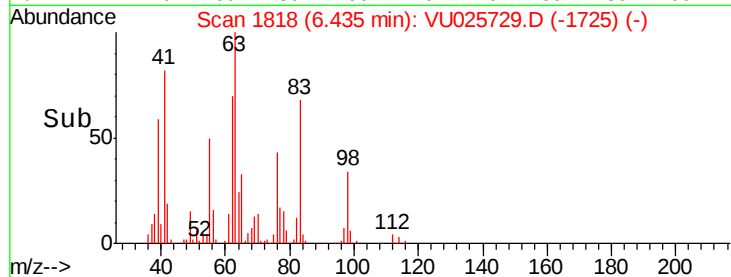
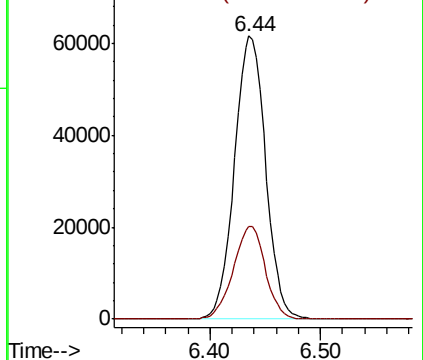
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 50.23 ug/l

RT: 6.56 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

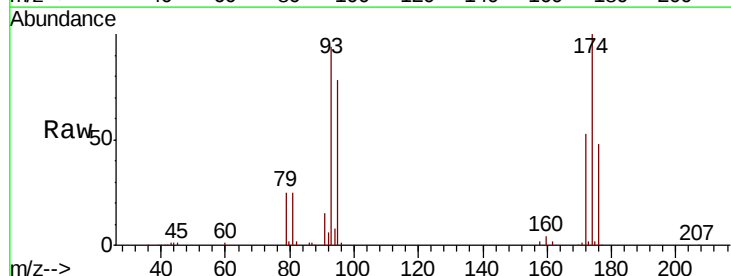
Tgt Ion: 93 Resp: 87374

Ion Ratio Lower Upper

93 100

95 83.4 66.6 100.0

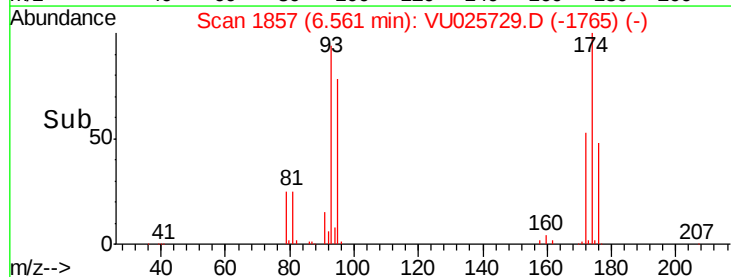
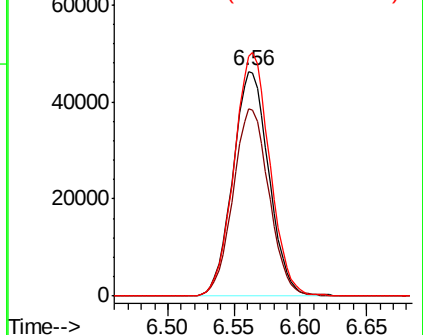
174 107.6 85.8 128.8

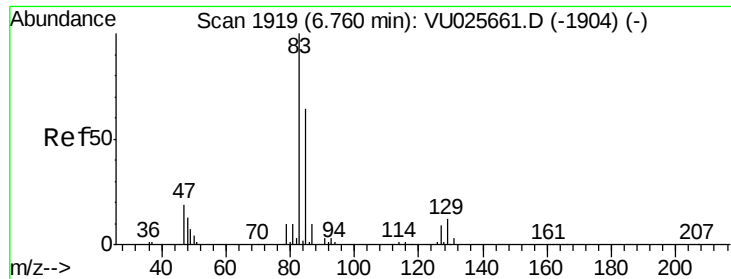


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





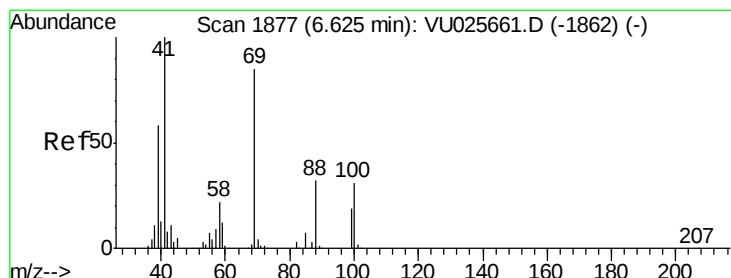
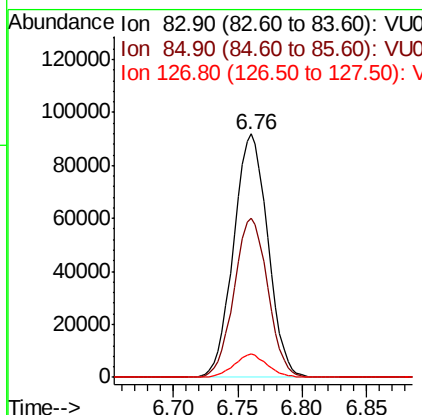
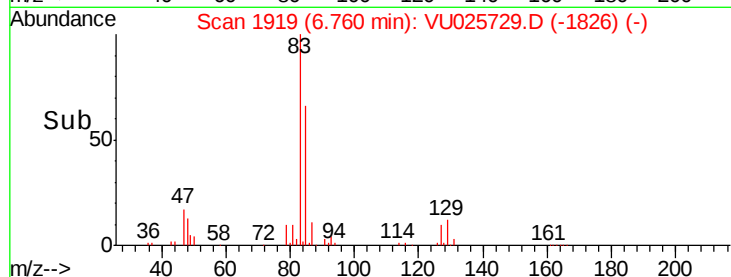
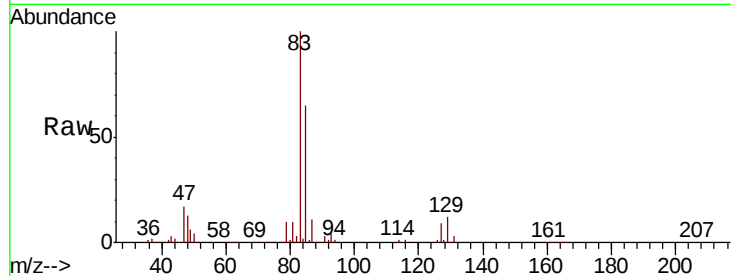
#47  
Bromodichloromethane  
Concen: 51.09 ug/l  
RT: 6.76 min Scan# 1919  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.4  | 50.2  | 75.4  |
| 127     | 9.4   | 7.2   | 10.8  |

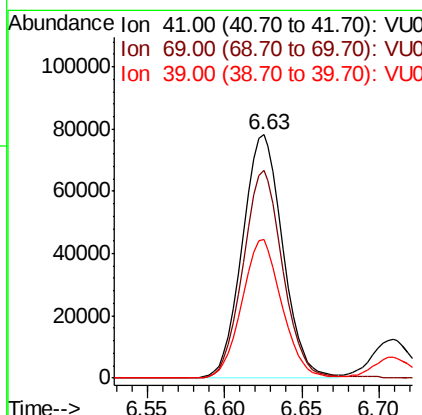
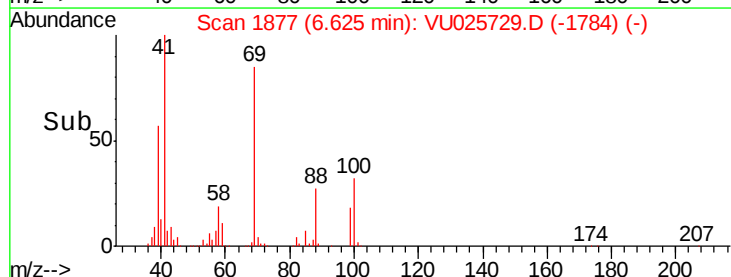
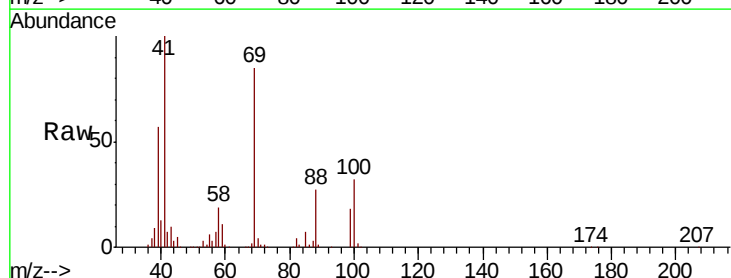
Manual Integrations  
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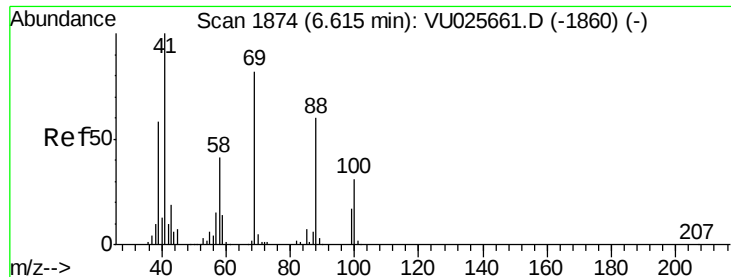
MMDadoda  
7/31/2018 2:17:11 PM



#48  
Methyl methacrylate  
Concen: 53.85 ug/l  
RT: 6.63 min Scan# 1877  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 84.0  | 65.0  | 97.4  |
| 39      | 56.3  | 46.4  | 69.6  |





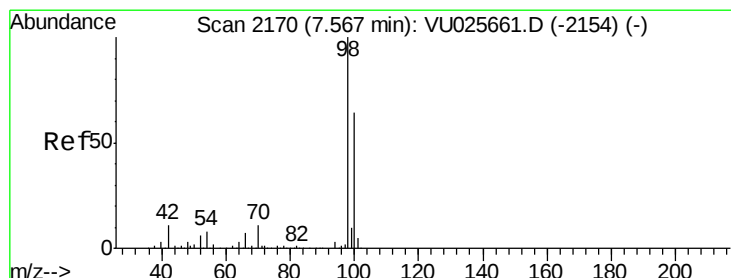
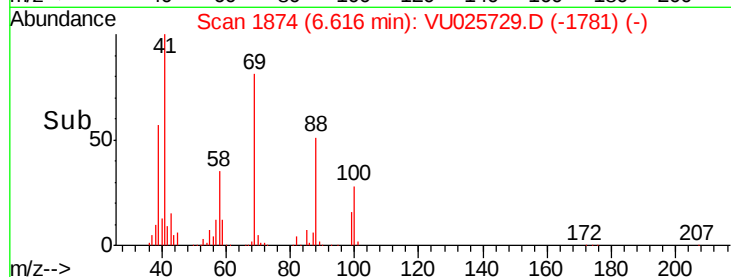
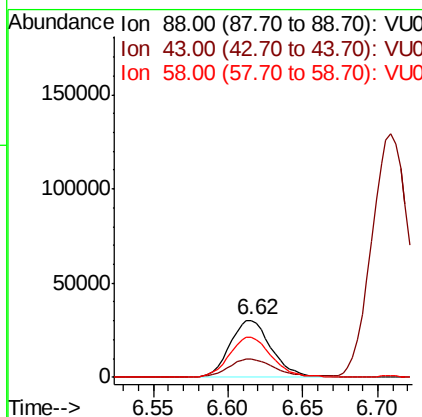
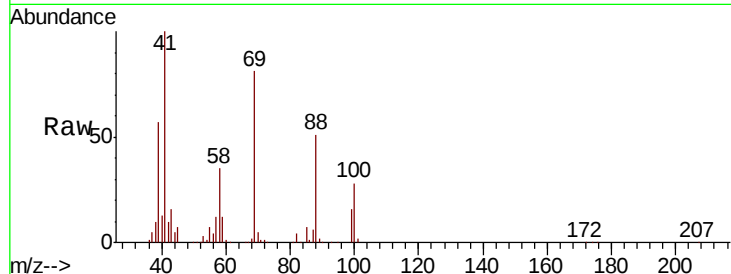
#49  
1,4-Dioxane  
Concen: 894.25 ug/l  
RT: 6.62 min Scan# 1874  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 33.0  | 27.3  | 40.9  |
| 58      | 73.7  | 57.6  | 86.4  |

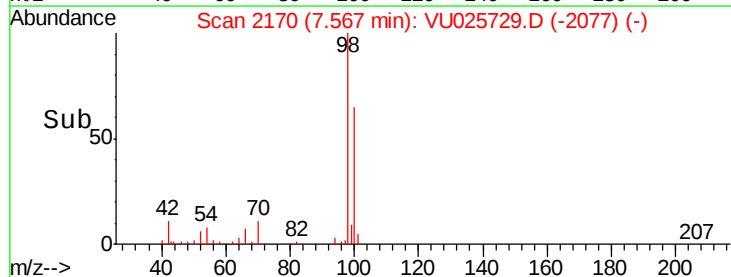
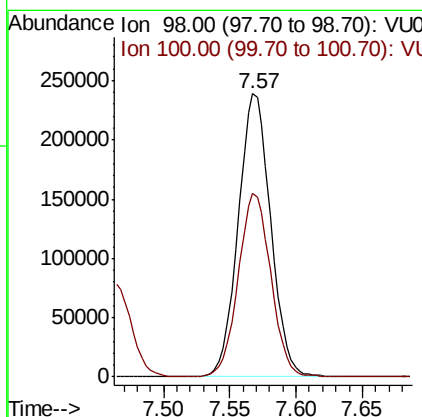
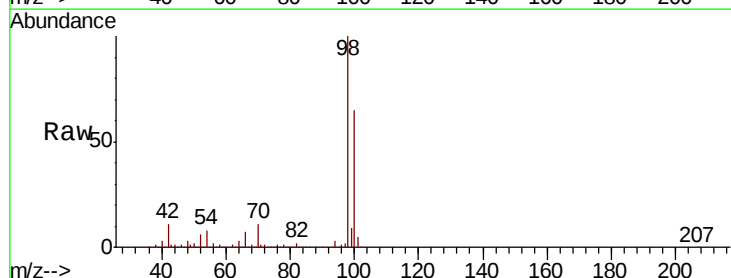
Manual Integrations  
APPROVED

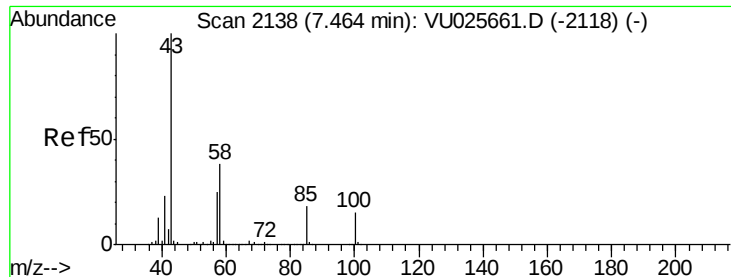
MMDadoda  
7/31/2018 2:17:11 PM



#50  
Toluene-d8  
Concen: 49.54 ug/l  
RT: 7.57 min Scan# 2170  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.8  | 51.1  | 76.7  |





#51

4-Methyl-2-Pentanone

Concen: 260.95 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 881563

Ion Ratio Lower Upper

43 100

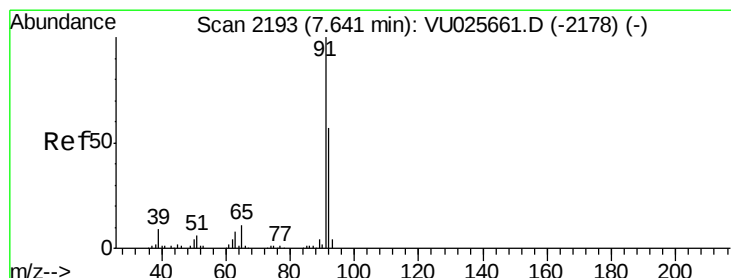
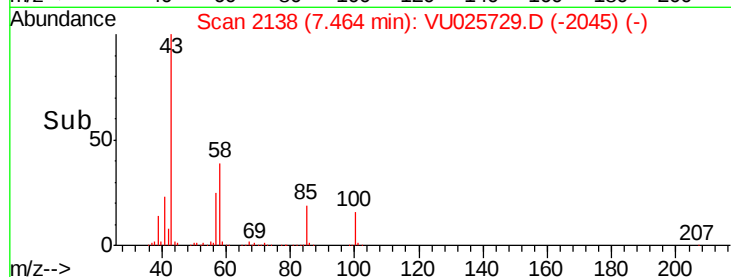
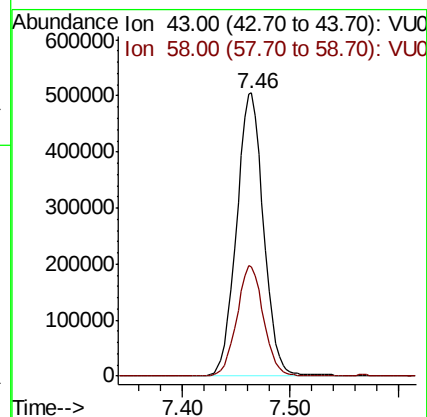
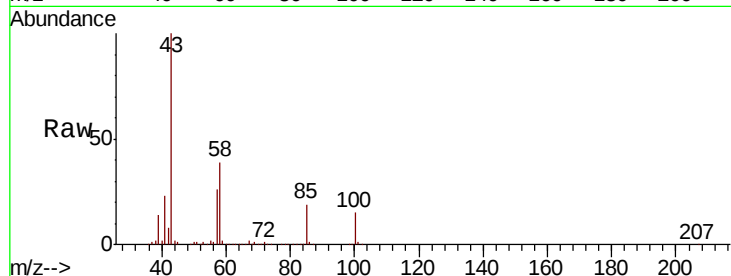
58 38.7 31.0 46.4

Manual Integrations

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#52

Toluene

Concen: 51.54 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025729.D

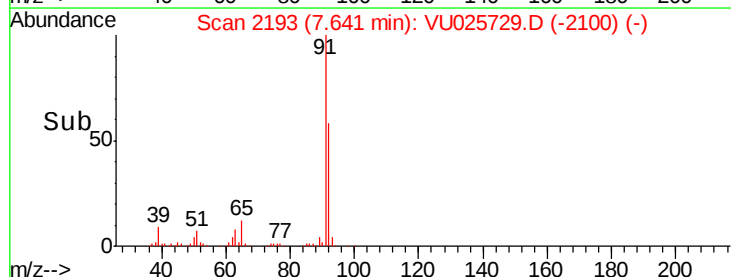
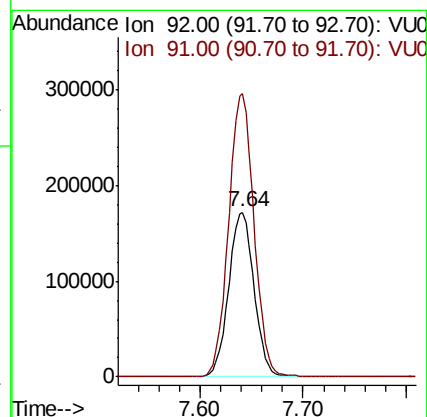
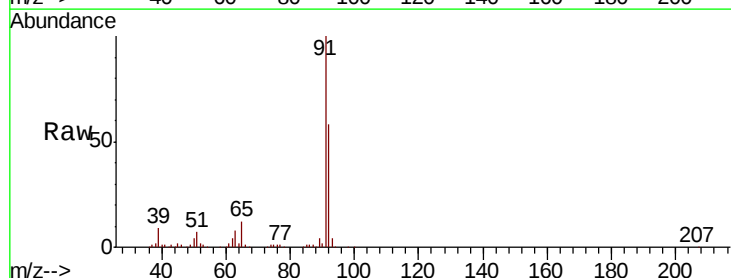
Acq: 30 Jul 2018 17:48

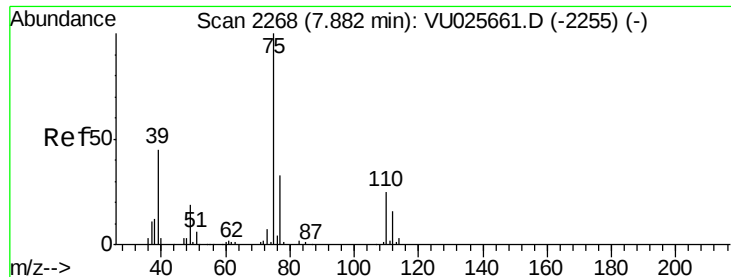
Tgt Ion: 92 Resp: 294727

Ion Ratio Lower Upper

92 100

91 172.8 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 52.40 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 195228

Ion Ratio Lower Upper

75 100

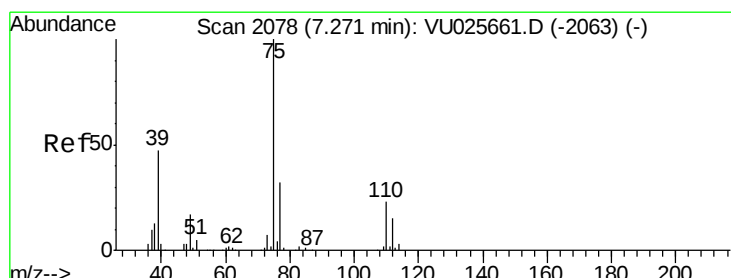
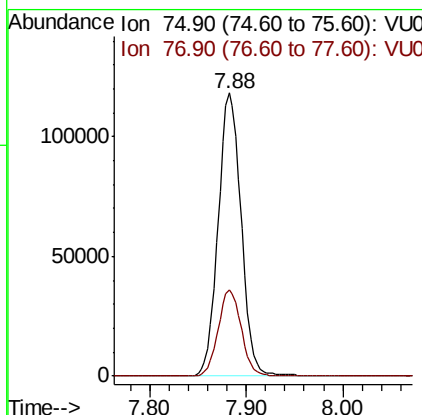
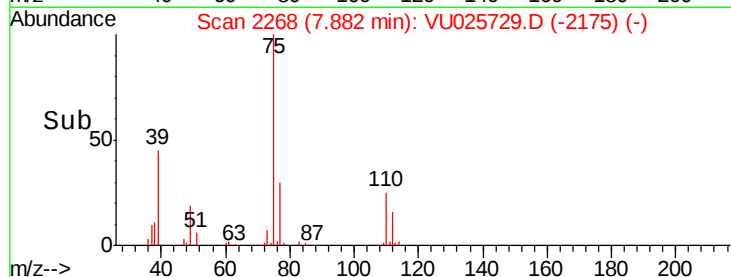
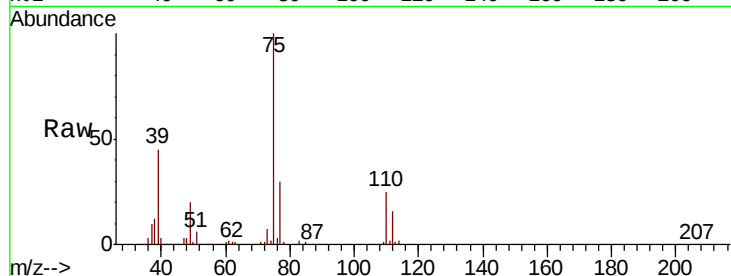
77 30.3 24.5 36.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 52.04 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

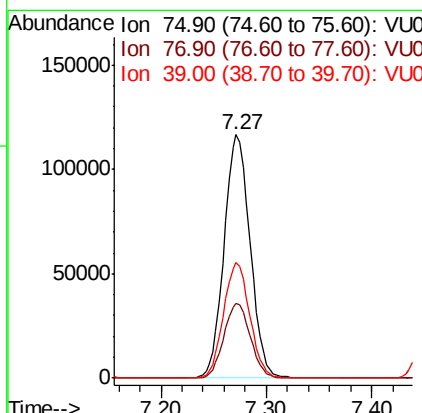
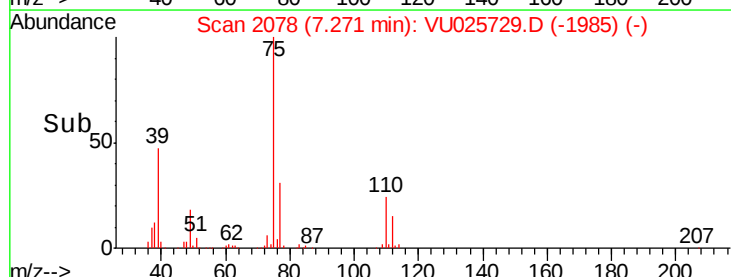
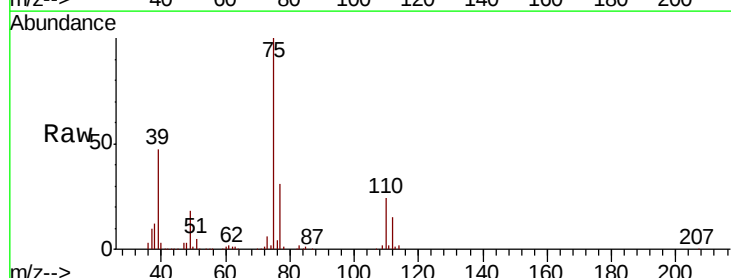
Tgt Ion: 75 Resp: 199156

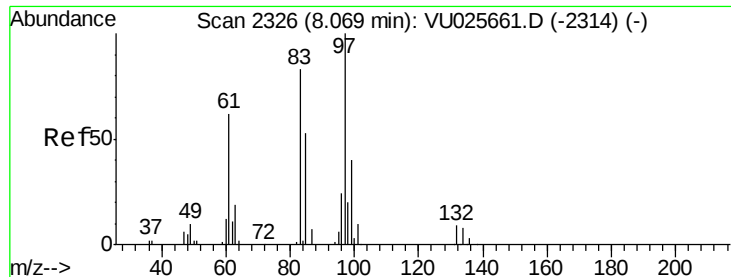
Ion Ratio Lower Upper

75 100

77 30.6 25.6 38.4

39 47.5 40.0 60.0





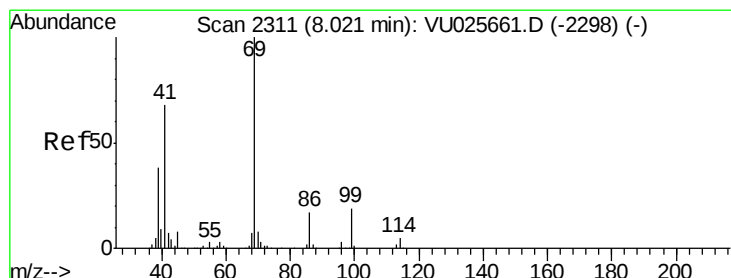
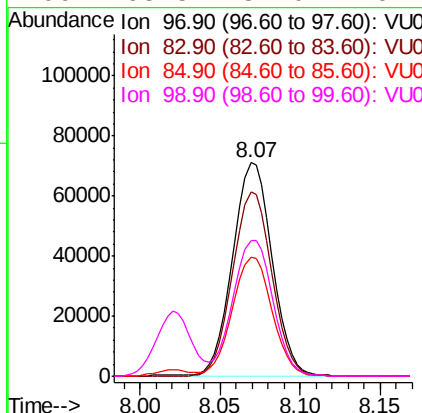
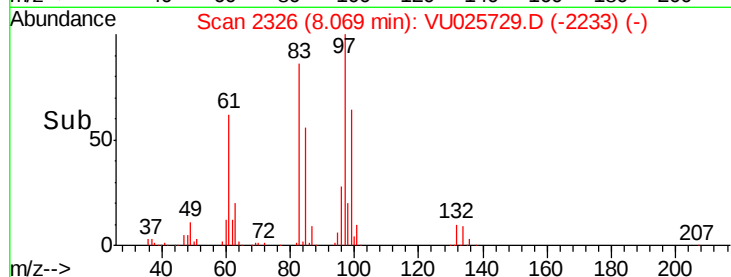
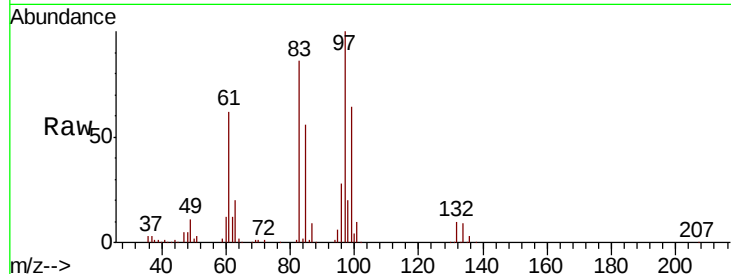
#55  
 1,1,2-Trichloroethane  
 Concen: 50.22 ug/l  
 RT: 8.07 min Scan# 2326  
 Delta R.T. 0.00 min  
 Lab File: VU025729.D  
 Acq: 30 Jul 2018 17:48

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 119366 |       |       |
| 83      | 86.4 | 68.9  | 103.3  |       |       |
| 85      | 56.1 | 44.4  | 66.6   |       |       |
| 99      | 63.5 | 51.0  | 76.4   |       |       |

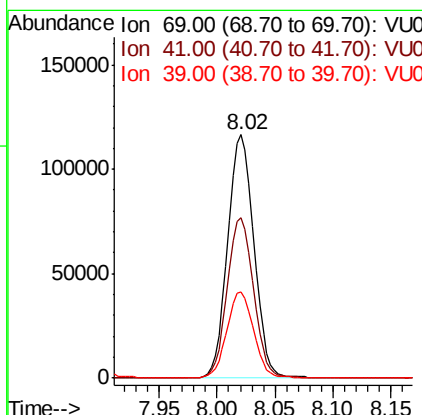
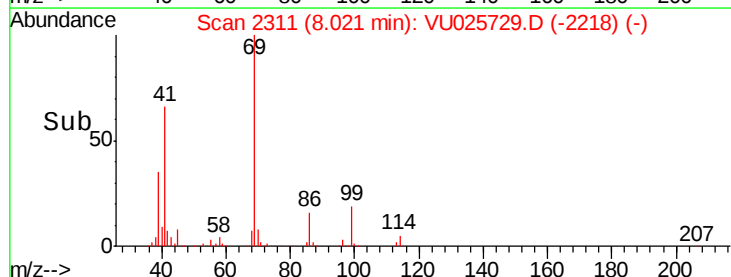
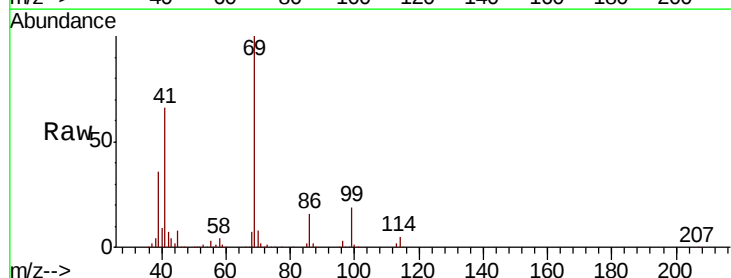
Manual Integrations  
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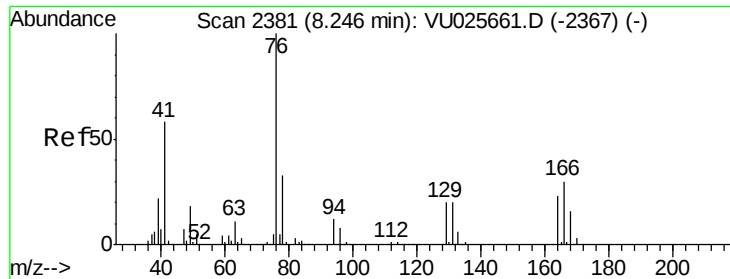
MMDadoda  
 7/31/2018 2:17:11 PM



#56  
 Ethyl methacrylate  
 Concen: 53.71 ug/l  
 RT: 8.02 min Scan# 2311  
 Delta R.T. 0.00 min  
 Lab File: VU025729.D  
 Acq: 30 Jul 2018 17:48

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 182370 |       |       |
| 41      | 66.1 | 54.8  | 82.2   |       |       |
| 39      | 35.8 | 31.1  | 46.7   |       |       |





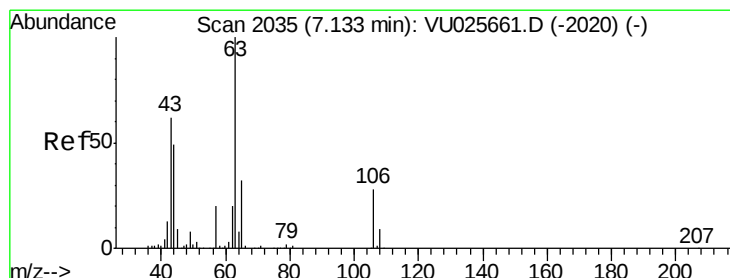
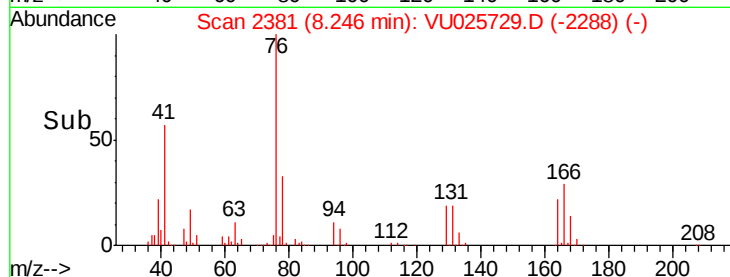
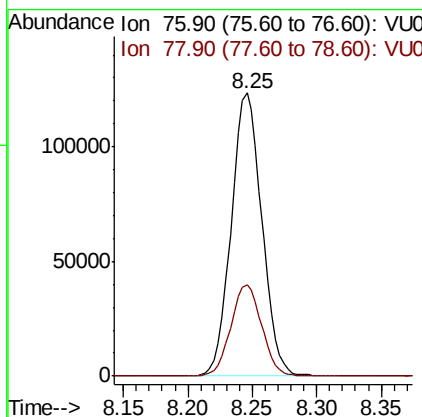
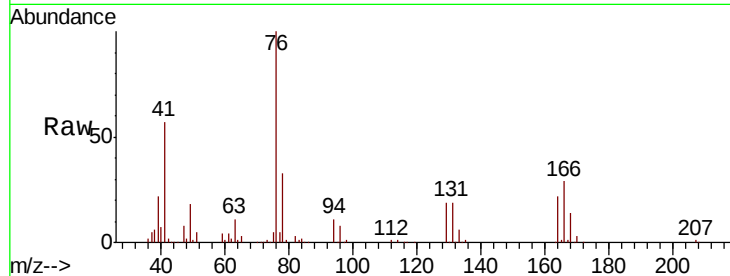
#57  
 1,3-Dichloropropane  
 Concen: 50.94 ug/l  
 RT: 8.25 min Scan# 2381  
 Delta R.T. 0.00 min  
 Lab File: VU025729.D  
 Acq: 30 Jul 2018 17:48

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.5  | 26.1  | 39.1  |

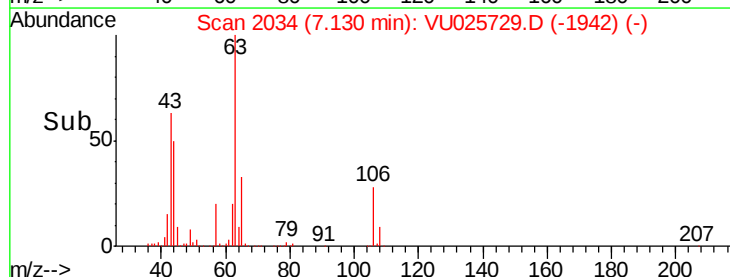
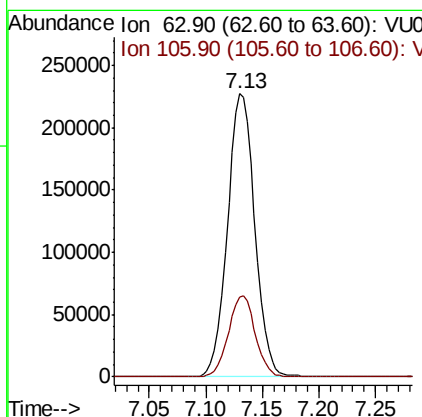
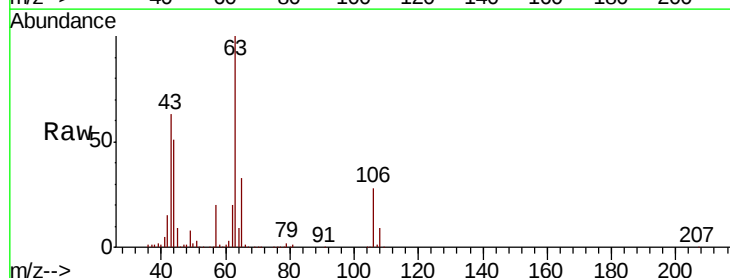
Manual Integrations  
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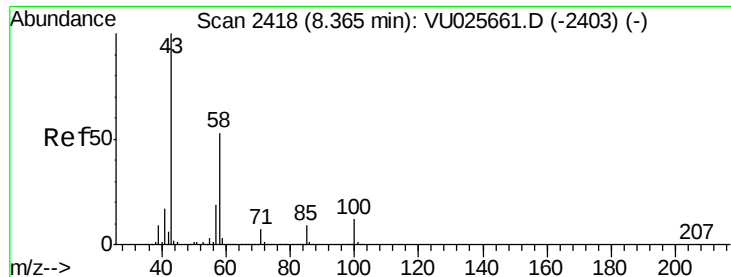
MMDadoda  
 7/31/2018 2:17:11 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 248.35 ug/l  
 RT: 7.13 min Scan# 2034  
 Delta R.T. -0.00 min  
 Lab File: VU025729.D  
 Acq: 30 Jul 2018 17:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 28.3  | 22.3  | 33.5  |





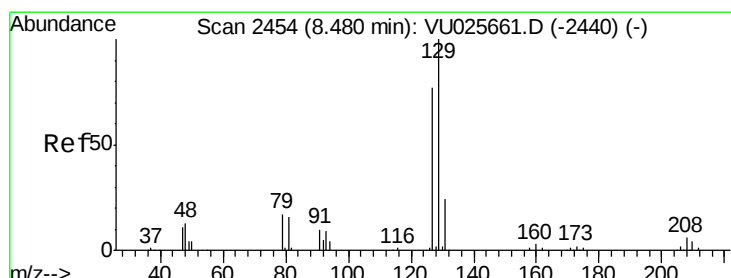
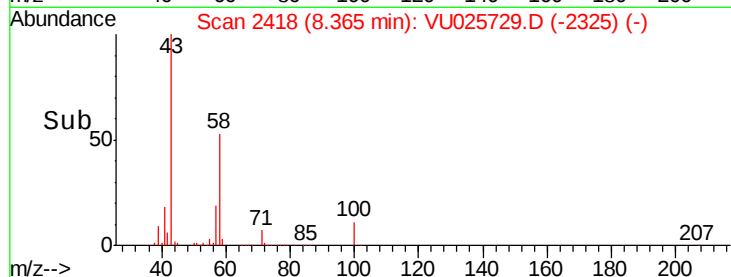
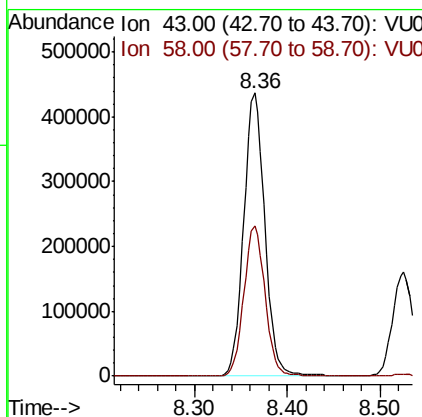
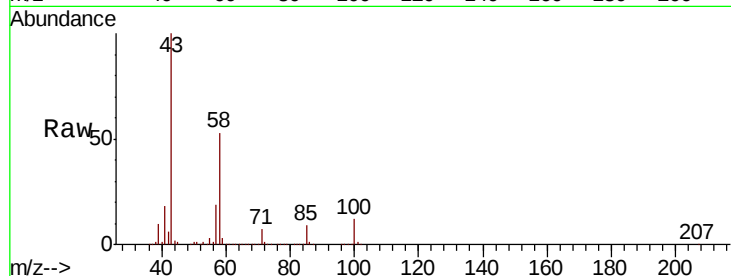
#59  
2-Hexanone  
Concen: 259.94 ug/l  
RT: 8.36 min Scan# 2418  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 43   | 58   | Ratio | Lower | Upper |
|---------|------|------|-------|-------|-------|
| 43      | 100  |      |       |       |       |
| 58      | 53.5 | 26.2 | 78.5  |       |       |

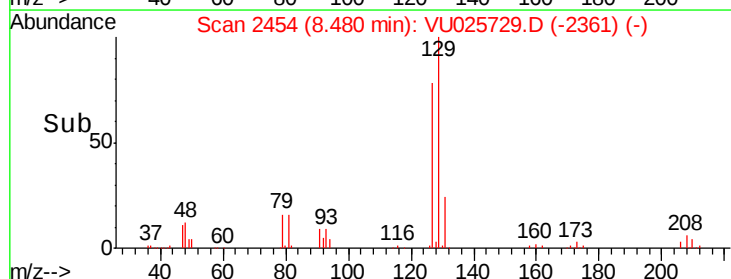
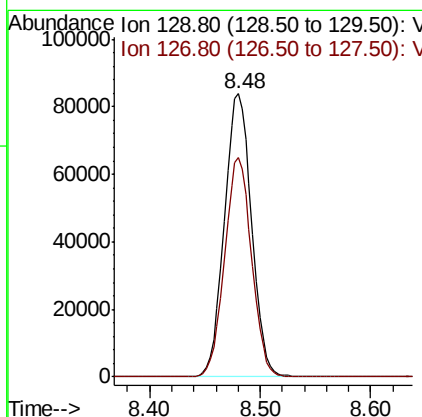
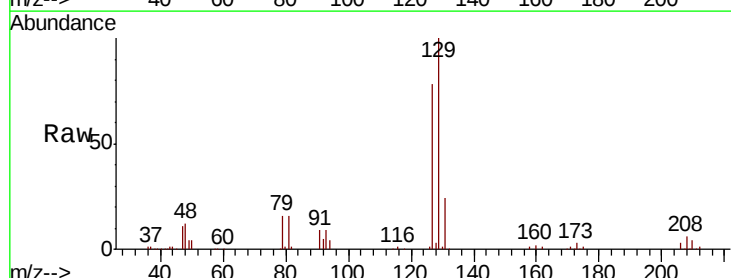
Manual Integrations  
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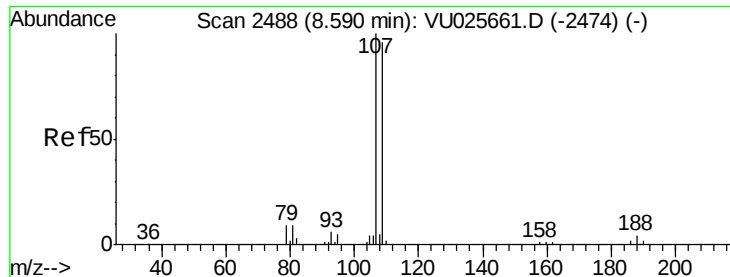
MMDadoda  
7/31/2018 2:17:11 PM



#60  
Dibromochloromethane  
Concen: 51.11 ug/l  
RT: 8.48 min Scan# 2454  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

| Tgt Ion | 129  | 127  | Ratio | Lower | Upper |
|---------|------|------|-------|-------|-------|
| 129     | 100  |      |       |       |       |
| 127     | 76.6 | 38.6 | 115.8 |       |       |





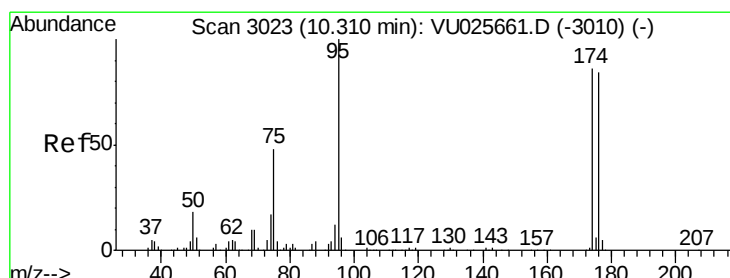
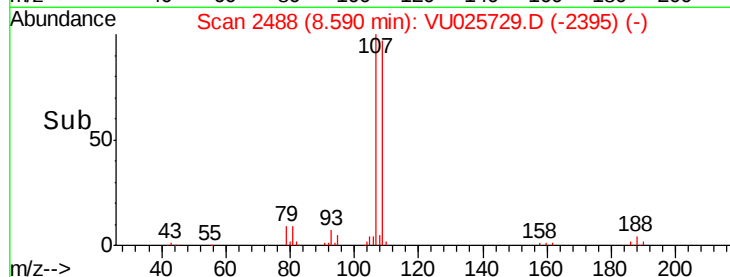
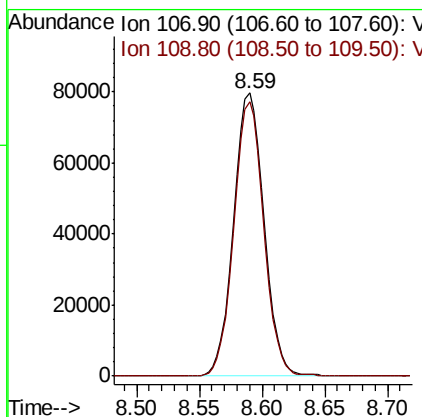
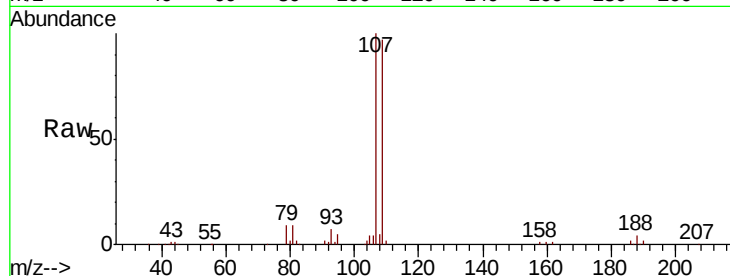
#61  
 1,2-Dibromoethane  
 Concen: 50.89 ug/l  
 RT: 8.59 min Scan# 2488  
 Delta R.T. 0.00 min  
 Lab File: VU025729.D  
 Acq: 30 Jul 2018 17:48

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 95.3  | 75.8  | 113.8 |

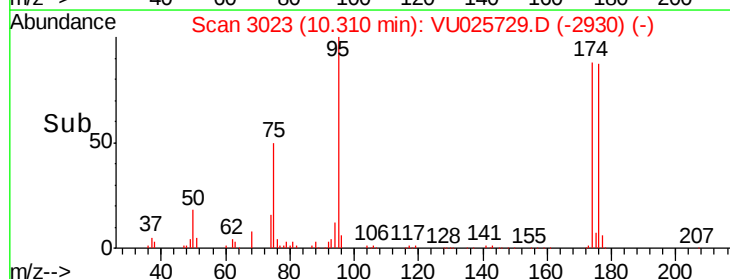
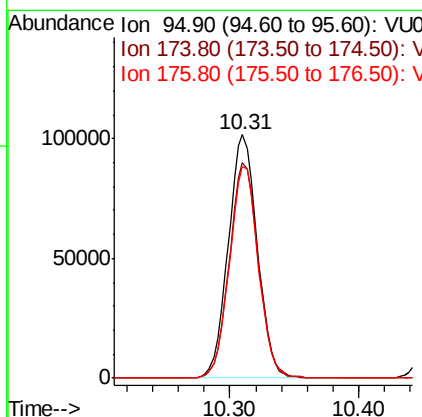
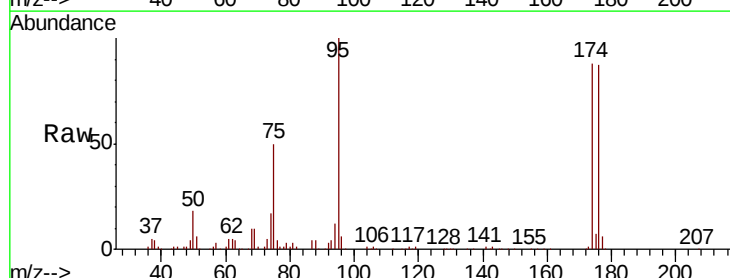
Manual Integrations  
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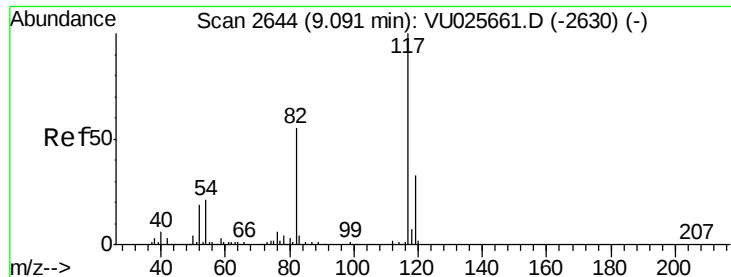
MMDadoda  
 7/31/2018 2:17:11 PM



#62  
 4-Bromofluorobenzene  
 Concen: 49.78 ug/l  
 RT: 10.31 min Scan# 3023  
 Delta R.T. 0.00 min  
 Lab File: VU025729.D  
 Acq: 30 Jul 2018 17:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 88.7  | 0.0   | 172.2 |
| 176     | 86.6  | 0.0   | 162.6 |





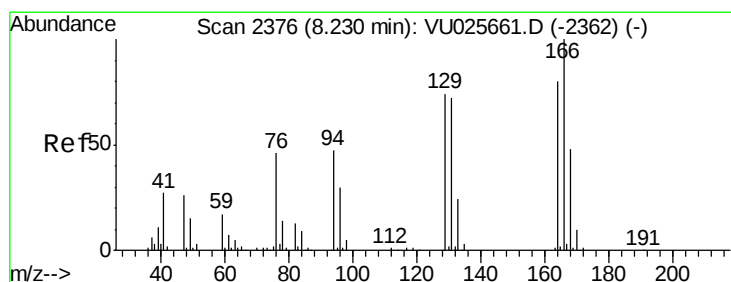
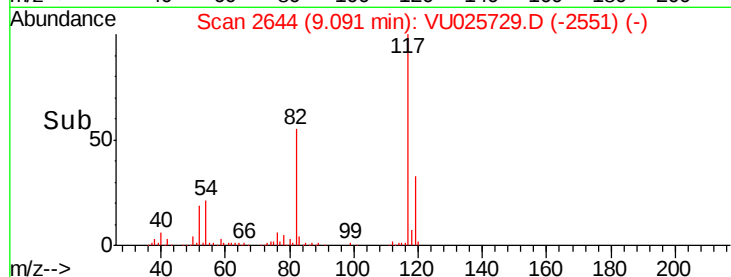
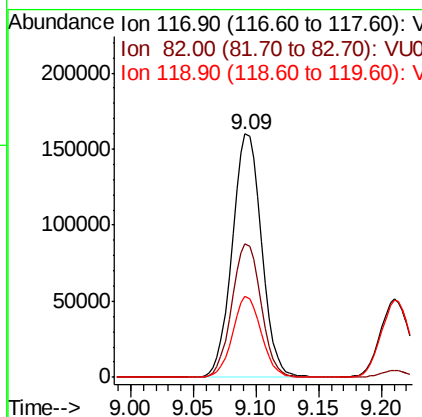
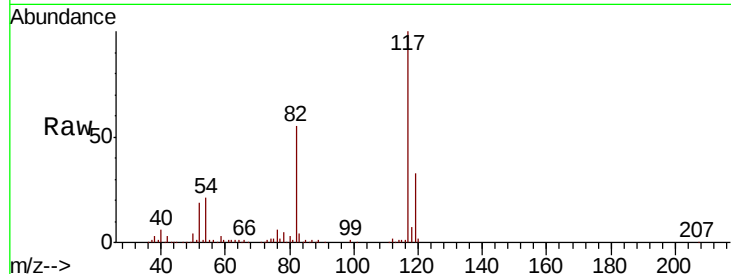
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.09 min Scan# 2644  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.0  | 46.0  | 69.0  |
| 119     | 33.1  | 26.0  | 39.0  |

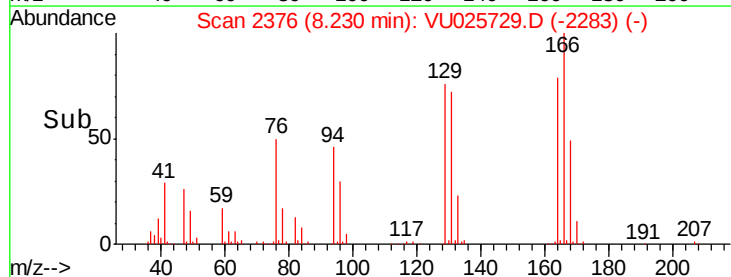
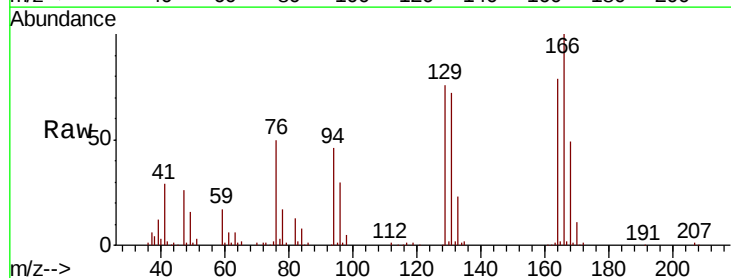
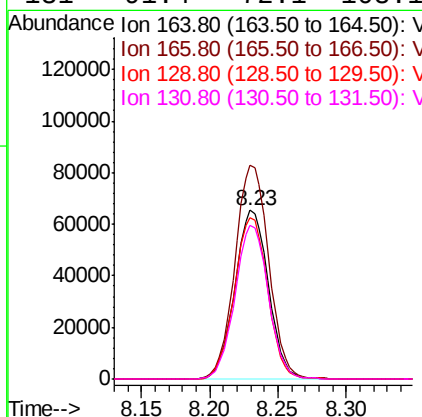
Manual Integrations  
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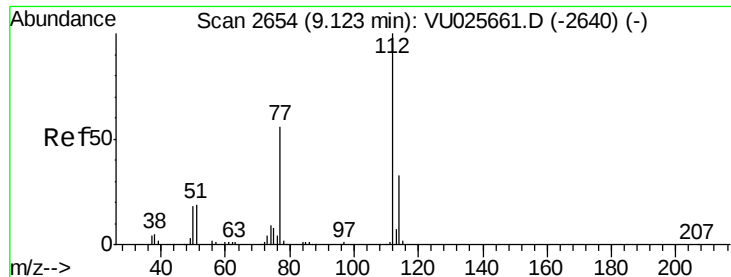
MMDadoda  
7/31/2018 2:17:11 PM



#64  
Tetrachloroethene  
Concen: 48.78 ug/l  
RT: 8.23 min Scan# 2376  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 126.9 | 101.1 | 151.7 |
| 129     | 96.1  | 73.0  | 109.6 |
| 131     | 91.4  | 72.1  | 108.1 |





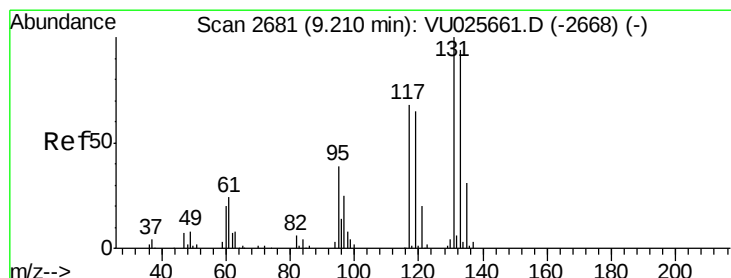
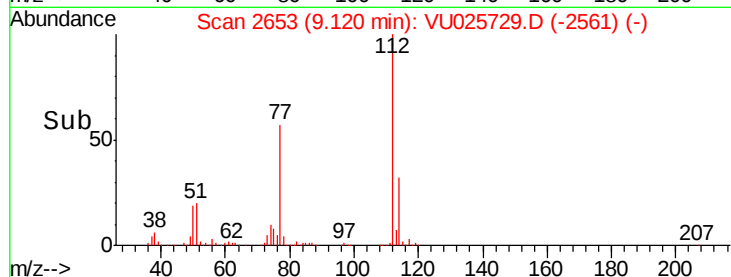
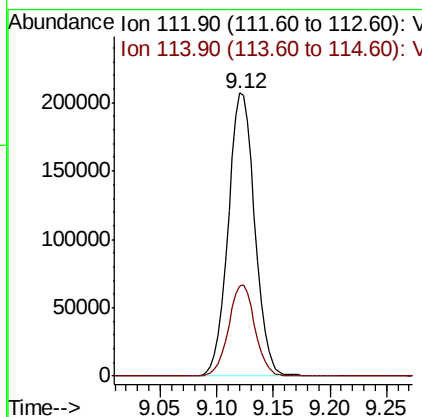
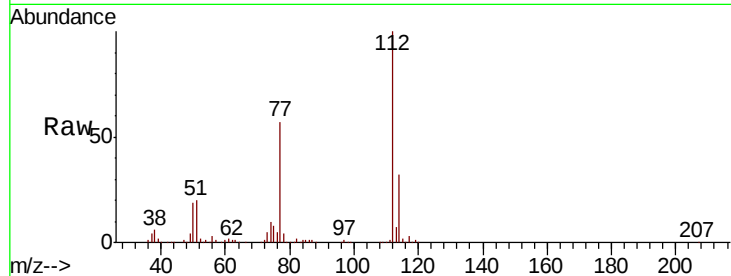
#65  
Chlorobenzene  
Concen: 50.41 ug/l  
RT: 9.12 min Scan# 2653  
Delta R.T. -0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.9  | 25.8  | 38.8  |

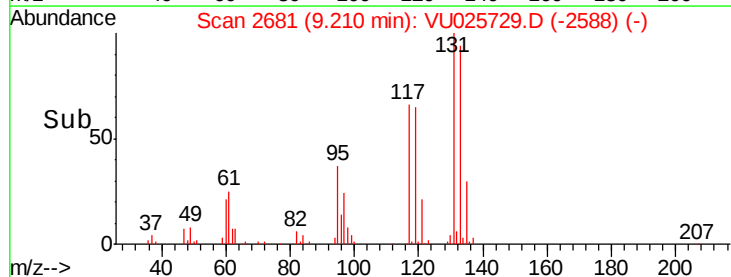
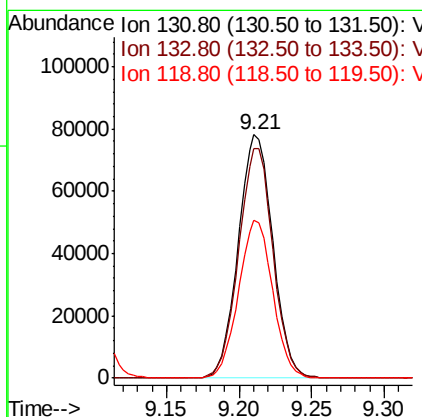
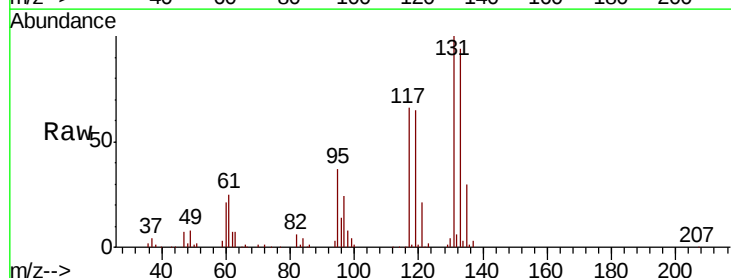
Manual Integrations  
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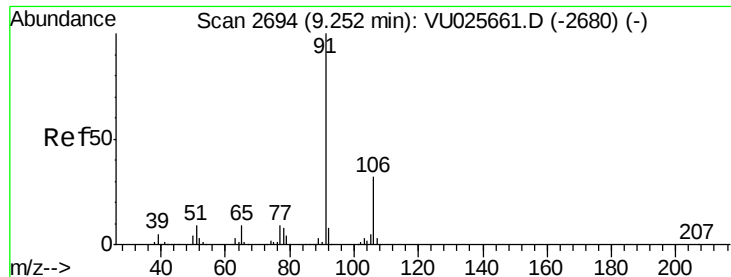
MMDadoda  
7/31/2018 2:17:11 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 53.29 ug/l  
RT: 9.21 min Scan# 2681  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 94.0  | 47.8  | 143.3 |
| 119     | 64.2  | 31.6  | 95.0  |





#67

Ethyl Benzene

Concen: 51.55 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 573435

Ion Ratio Lower Upper

91 100

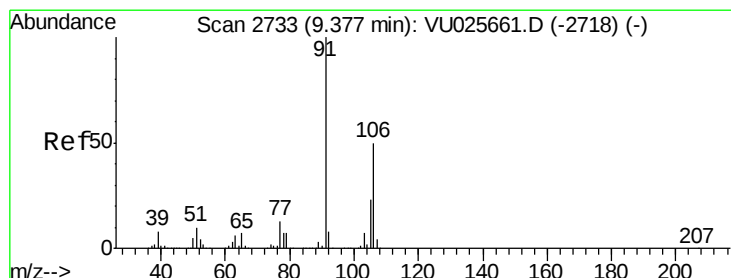
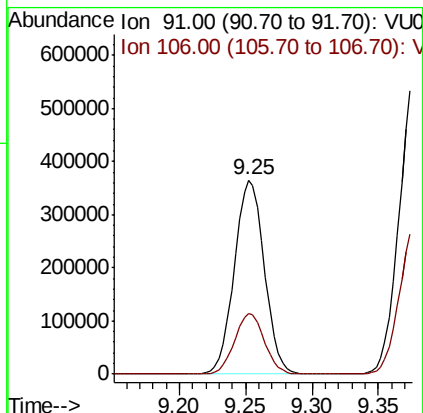
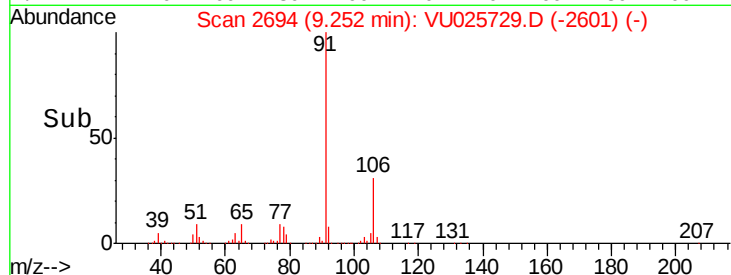
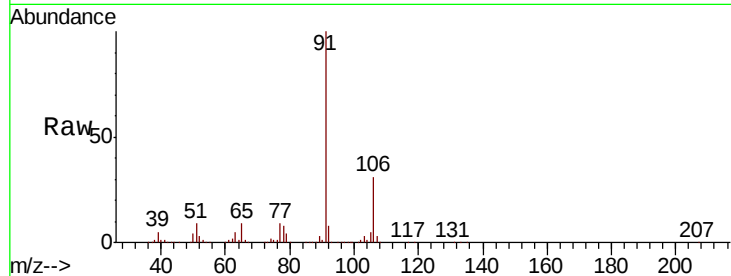
106 31.4 25.3 37.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 104.76 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025729.D

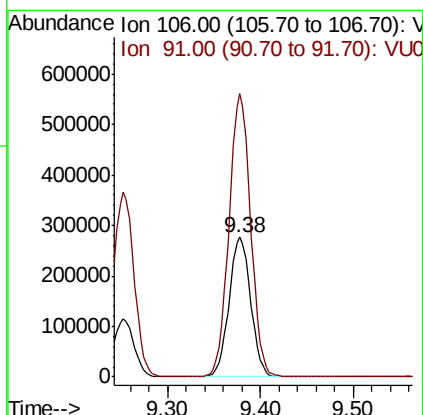
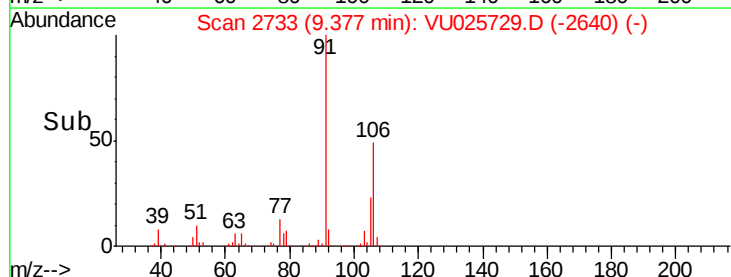
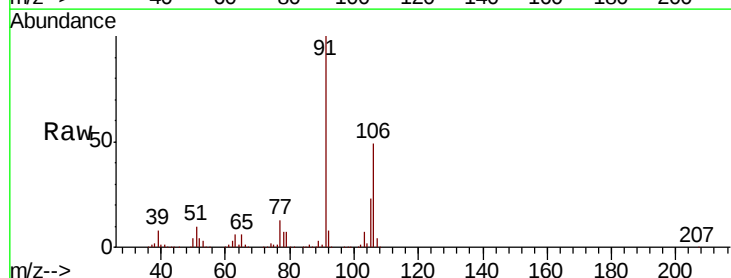
Acq: 30 Jul 2018 17:48

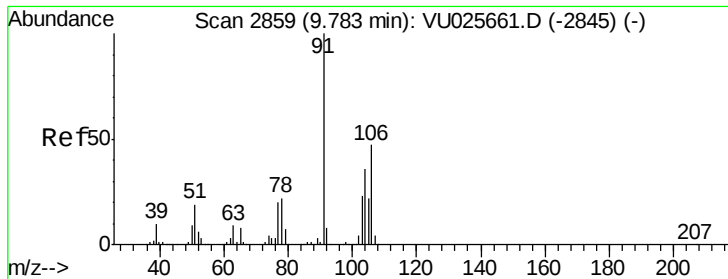
Tgt Ion: 106 Resp: 447371

Ion Ratio Lower Upper

106 100

91 202.4 162.3 243.5





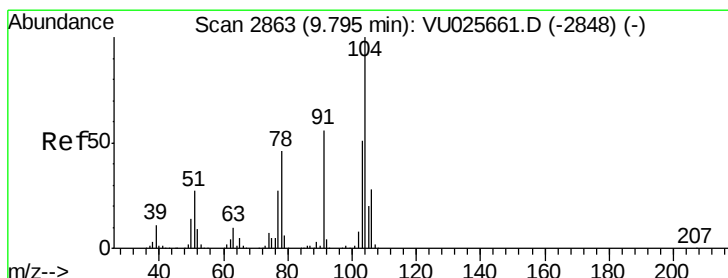
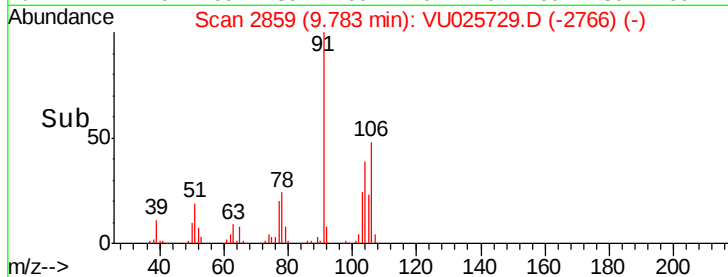
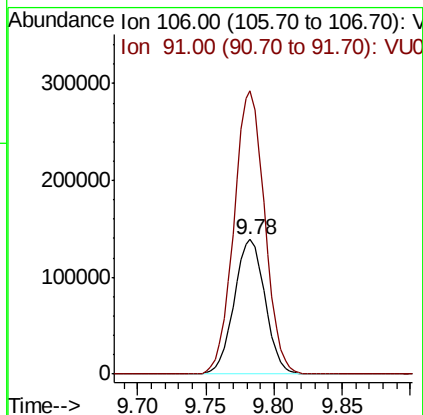
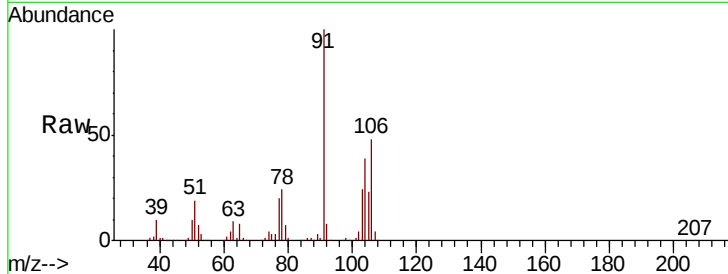
#69  
o-Xylene  
Concen: 52.30 ug/l  
RT: 9.78 min Scan# 2859  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 106     | 100   | 218265 |       |       |
| 91      | 209.9 | 105.3  | 315.8 |       |

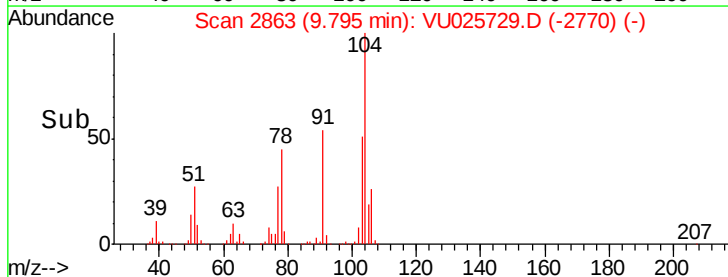
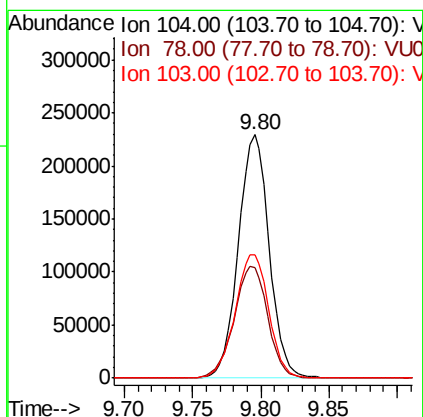
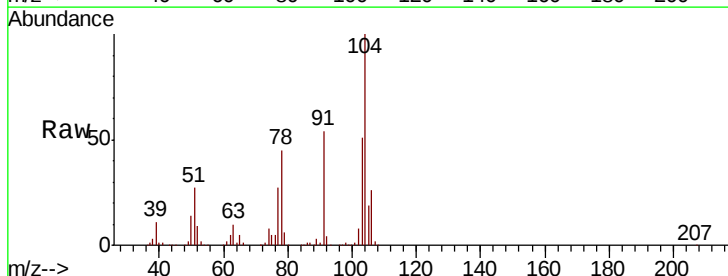
Manual Integrations  
APPROVED

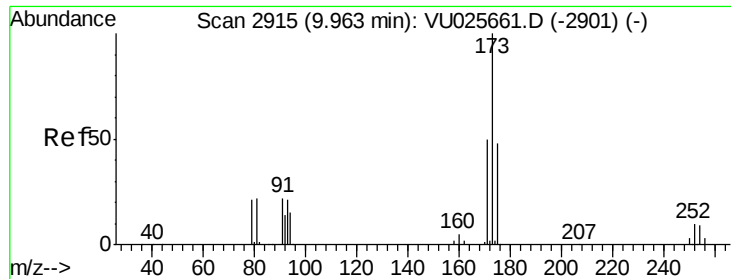
MMDadoda  
7/31/2018 2:17:11 PM



#70  
Styrene  
Concen: 53.33 ug/l  
RT: 9.80 min Scan# 2863  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 104     | 100   | 359524 |       |       |
| 78      | 50.4  | 41.6   | 62.4  |       |
| 103     | 55.5  | 44.6   | 66.8  |       |





#71

Bromoform

Concen: 52.73 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 111070

Ion Ratio Lower Upper

173 100

175 49.8 24.0 72.0

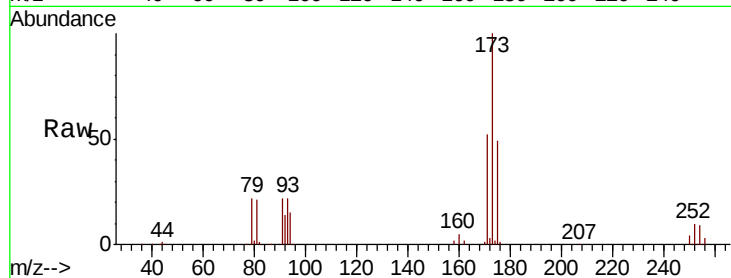
254 0.1 0.0 0.0#

Manual Integrations

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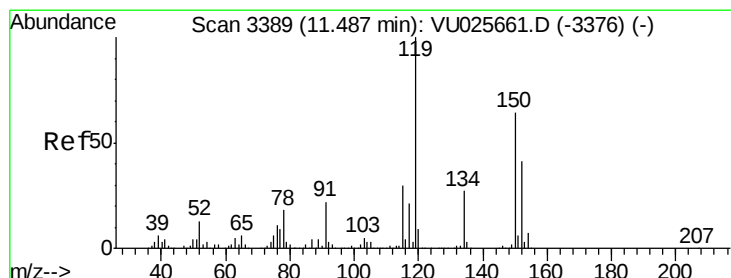
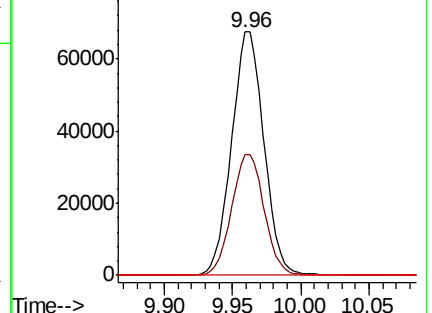
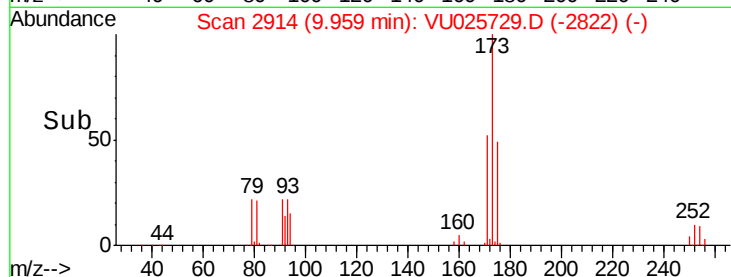
7/31/2018 2:17:11 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

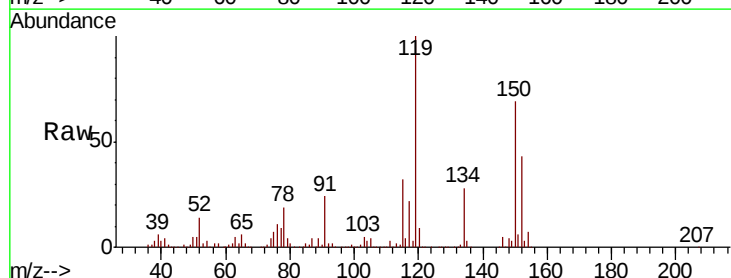
Tgt Ion:152 Resp: 166840

Ion Ratio Lower Upper

152 100

115 81.1 40.1 120.3

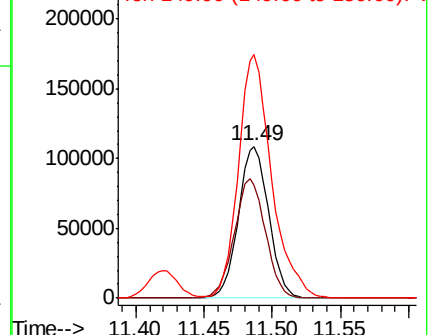
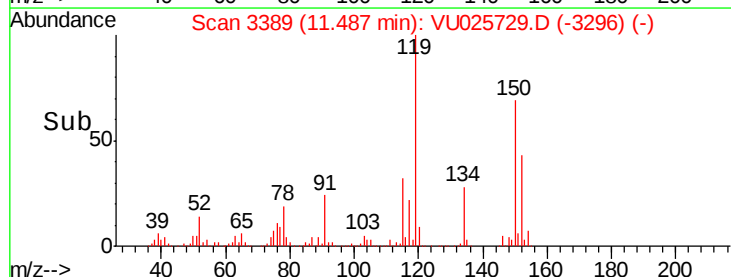
150 176.9 0.0 351.4

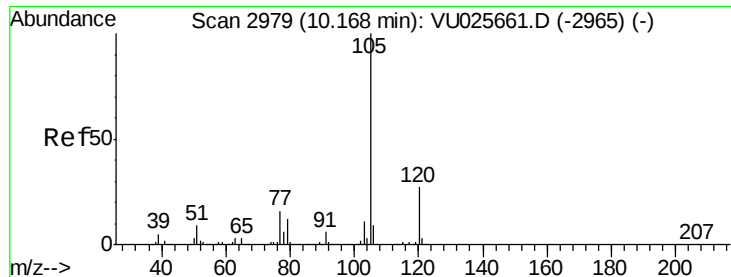


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.01 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 580856

Ion Ratio Lower Upper

105 100

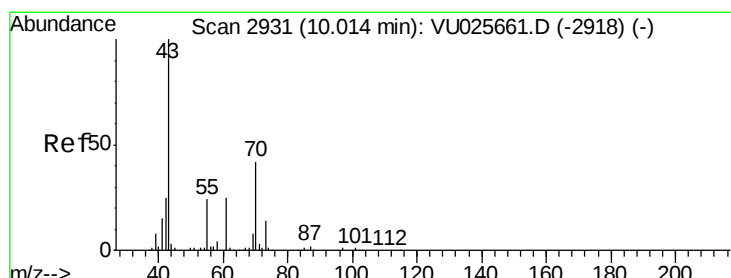
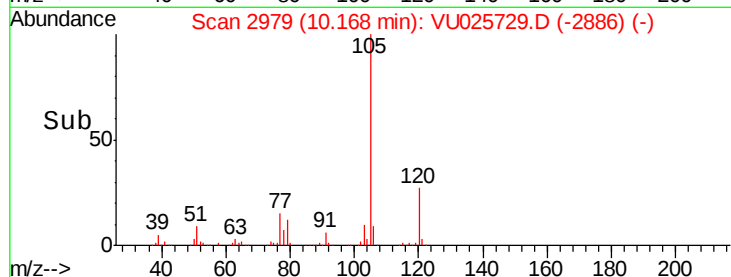
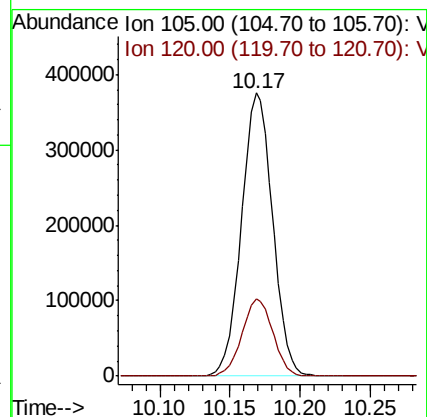
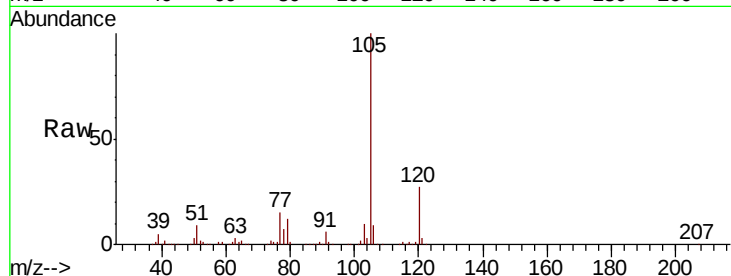
120 27.2 13.5 40.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 54.48 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Tgt Ion: 43 Resp: 253280

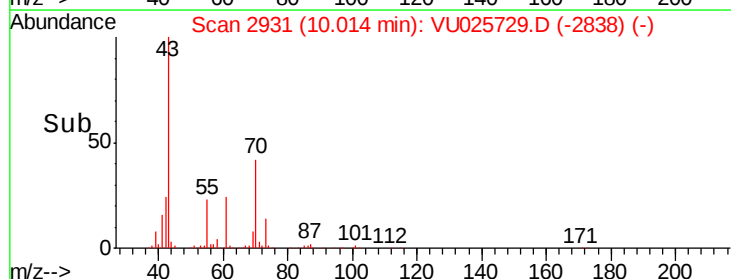
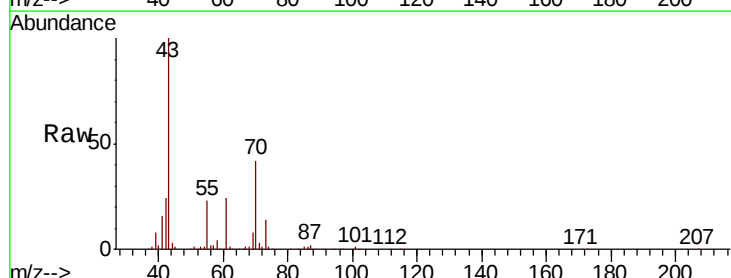
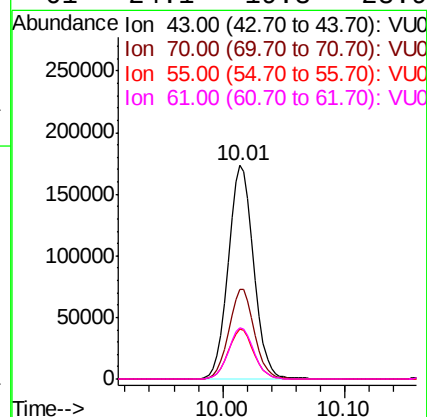
Ion Ratio Lower Upper

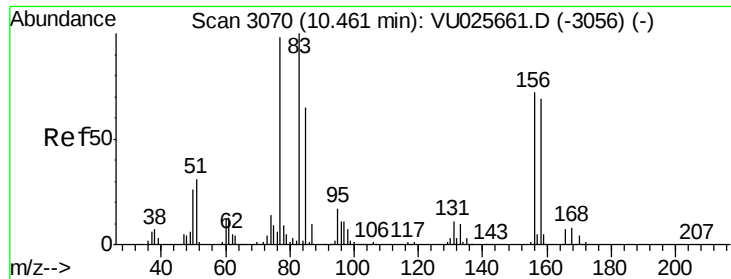
43 100

70 42.3 33.4 50.2

55 23.6 19.0 28.6

61 24.1 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 50.26 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 197907

Ion Ratio Lower Upper

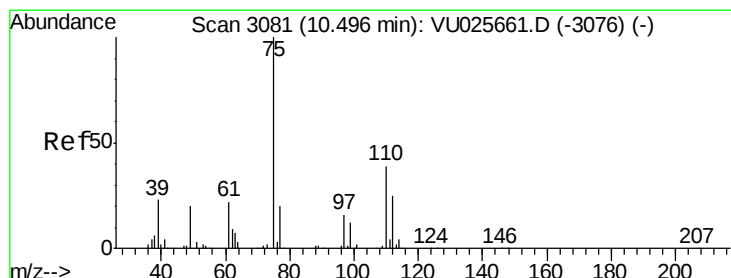
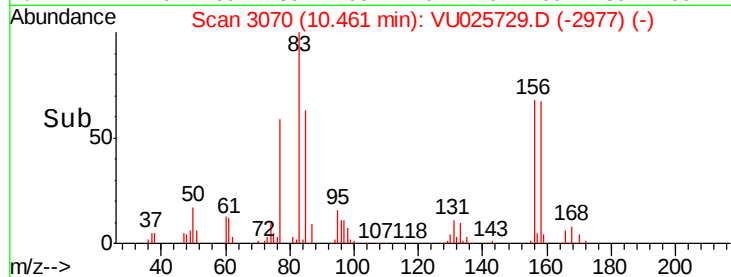
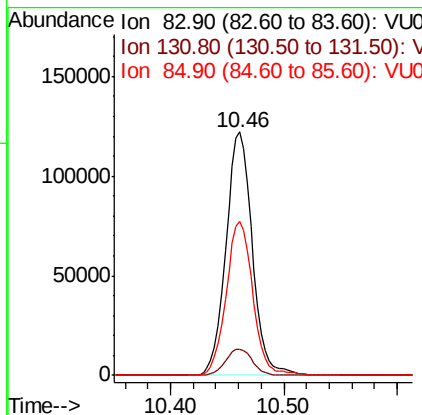
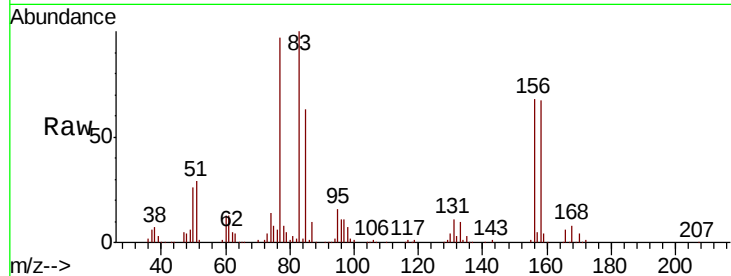
83 100

131 10.9 5.5 16.4

85 64.1 31.6 94.8

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 49.50 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025729.D

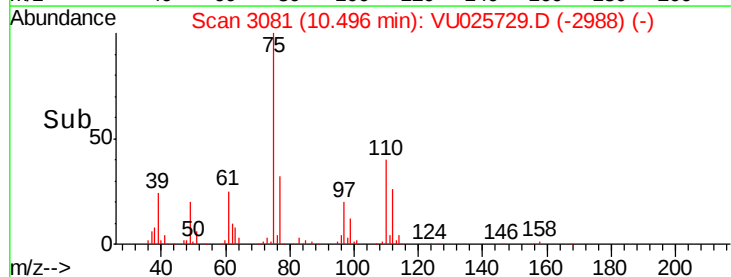
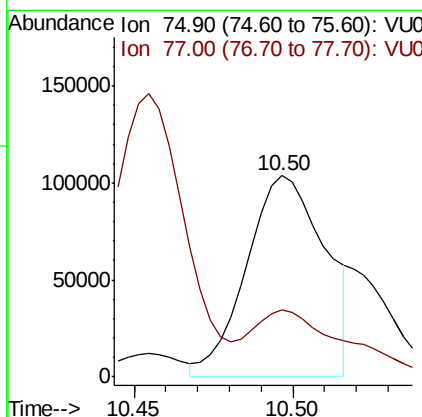
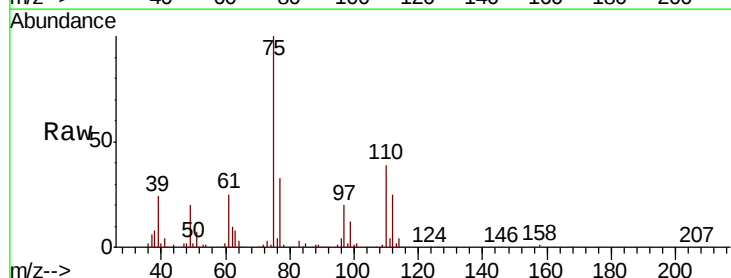
Acq: 30 Jul 2018 17:48

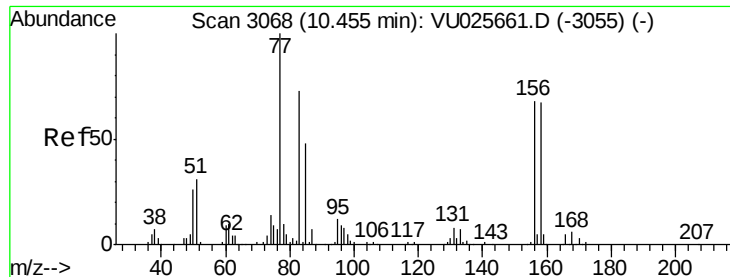
Tgt Ion: 75 Resp: 178313

Ion Ratio Lower Upper

75 100

77 40.8 20.4 61.3





#77

Bromobenzene

Concen: 49.84 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA\_U

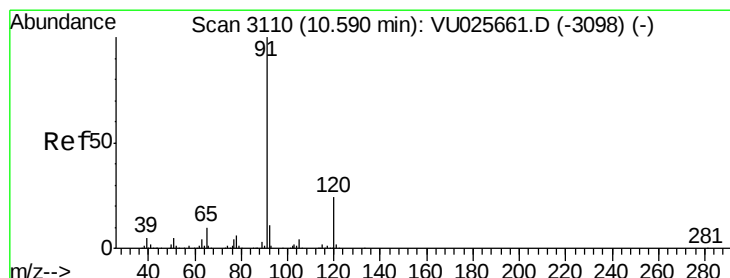
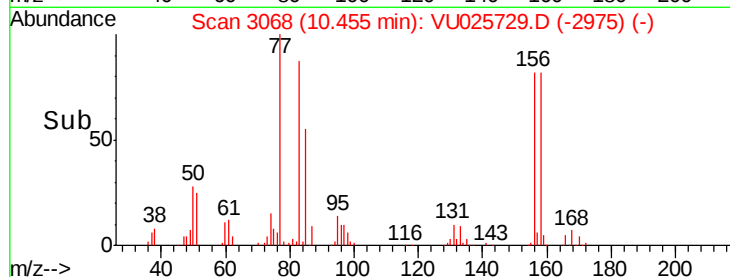
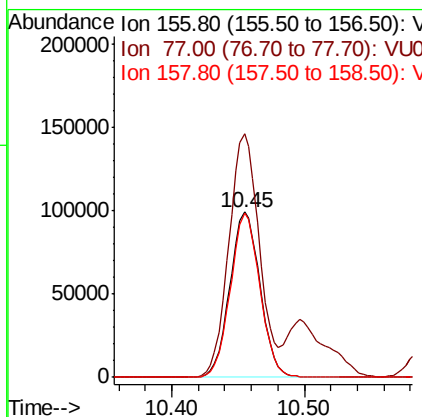
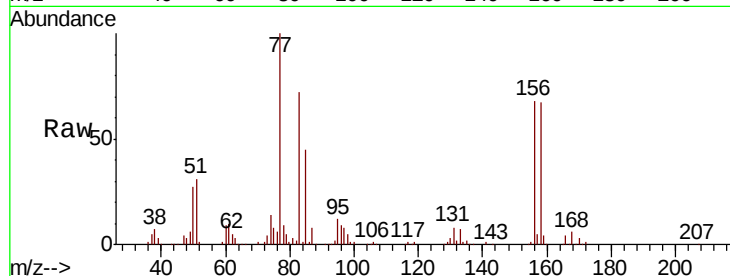
ClientSampleId :

VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 149.0 | 73.8  | 221.4 |
| 158     | 97.4  | 48.0  | 144.0 |

Manual Integrations  
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#78

n-propylbenzene

Concen: 51.58 ug/l

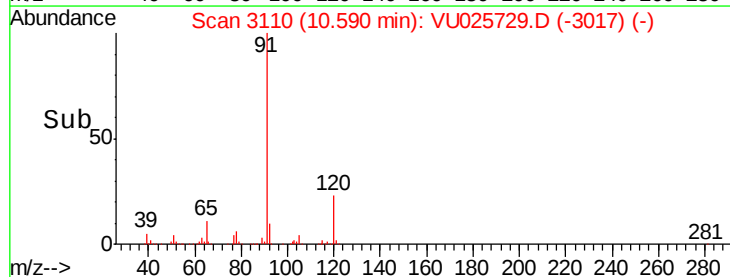
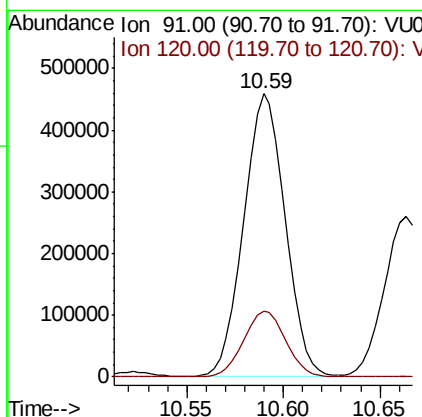
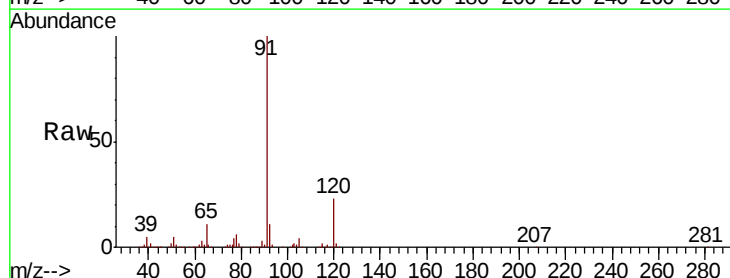
RT: 10.59 min Scan# 3110

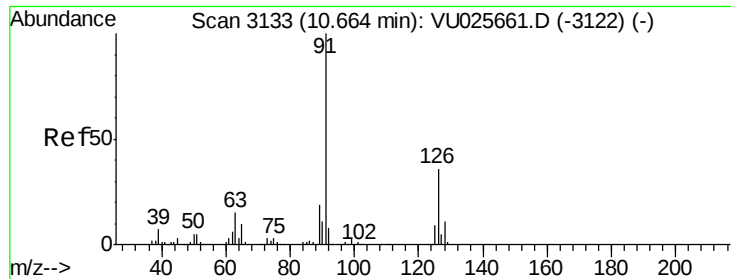
Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 23.6  | 11.8  | 35.3  |





#79

2-Chlorotoluene

Concen: 51.85 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 403628

Ion Ratio Lower Upper

91 100

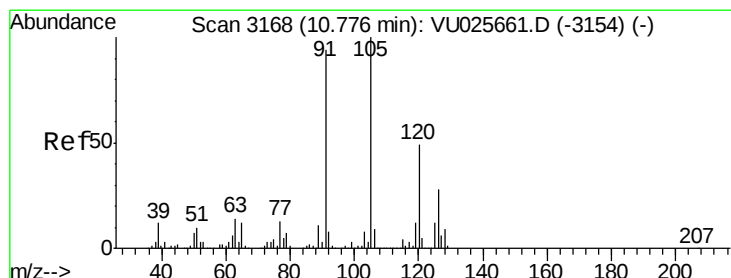
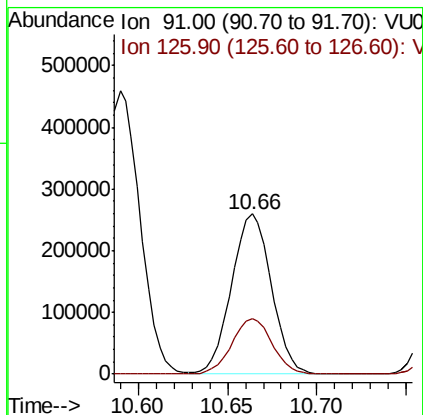
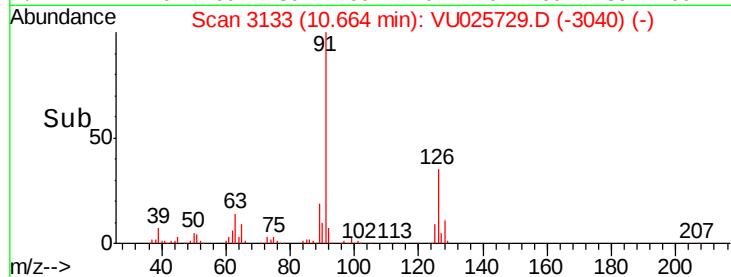
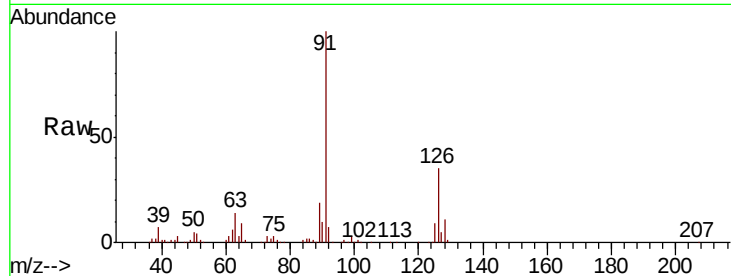
126 35.1 17.5 52.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 52.04 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025729.D

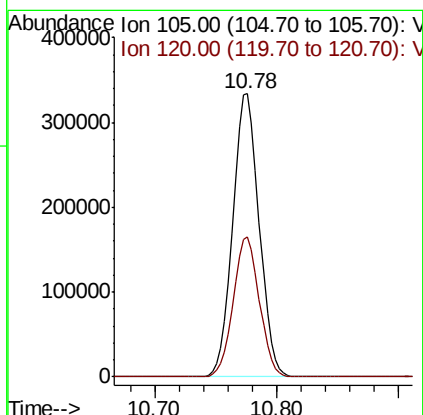
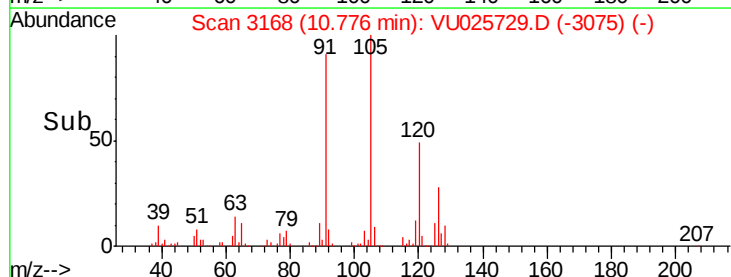
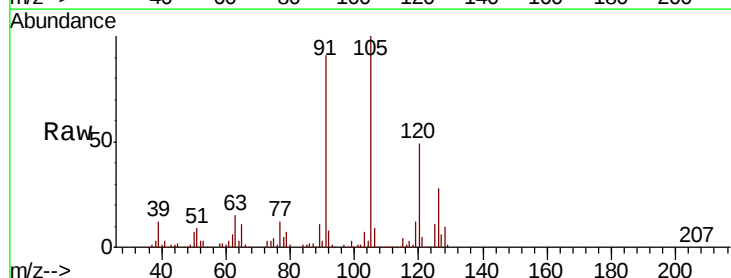
Acq: 30 Jul 2018 17:48

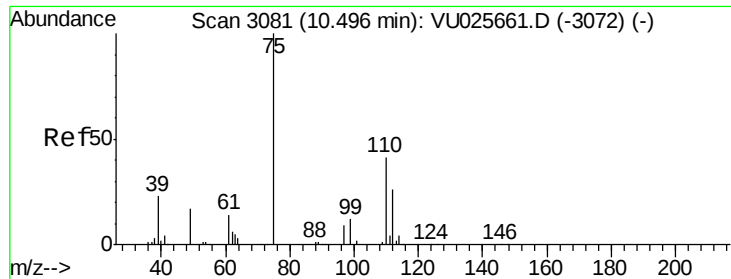
Tgt Ion: 105 Resp: 503249

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 48.78 ug/l m

RT: 10.51 min Scan# 3086

Delta R.T. 0.02 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA\_U

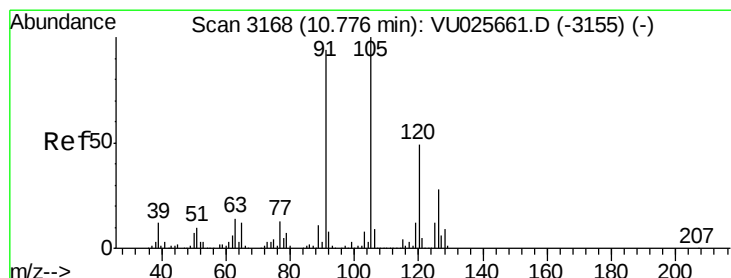
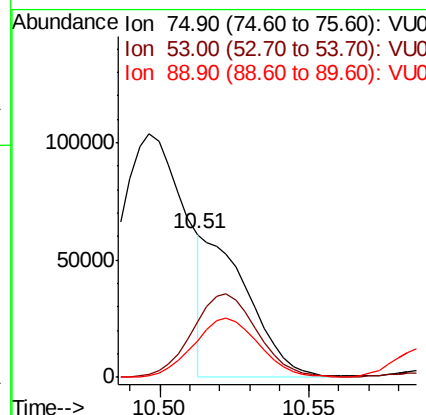
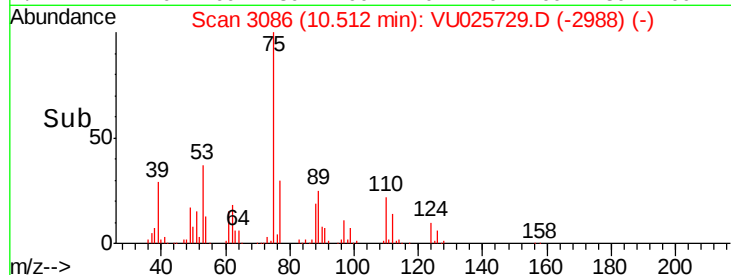
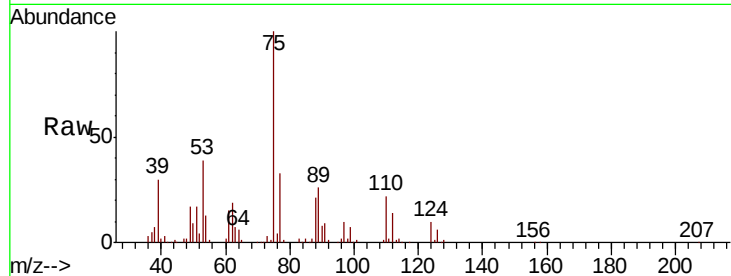
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 64835 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 0.0   | 0.0   | 0.0   |
| 89        | 0.0   | 0.0   | 0.0   |

Manual Integrations  
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#82

4-Chlorotoluene

Concen: 51.76 ug/l

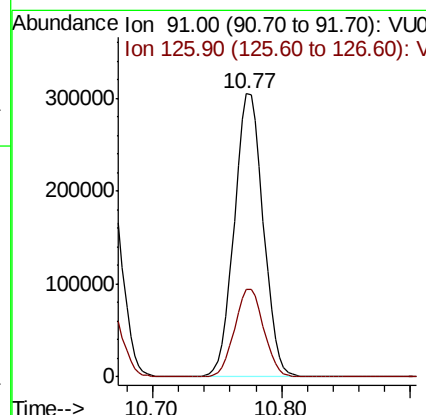
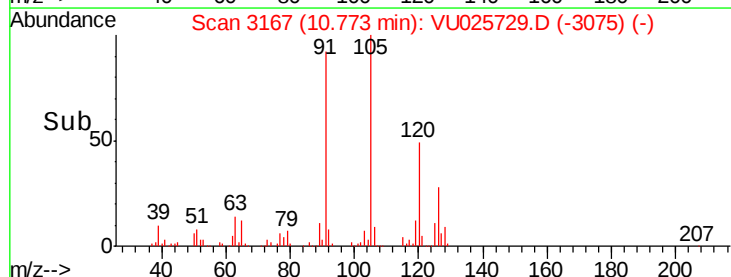
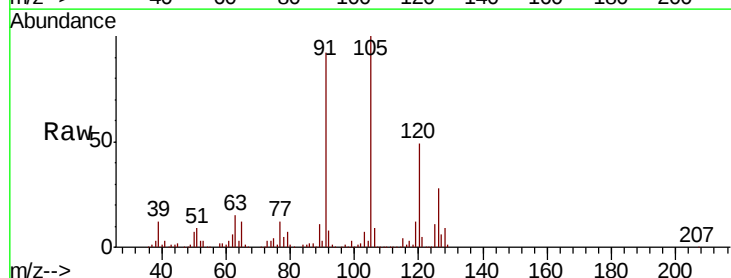
RT: 10.77 min Scan# 3167

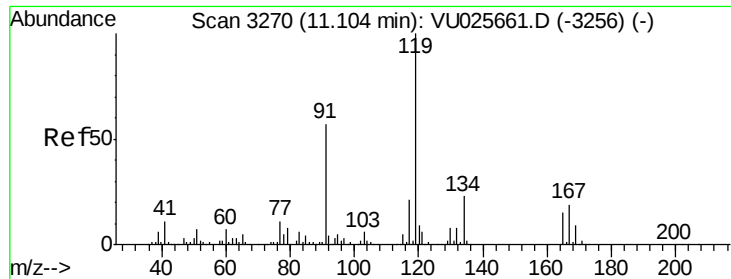
Delta R.T. -0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 474938 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 126       | 31.3  | 15.3  | 45.9   |





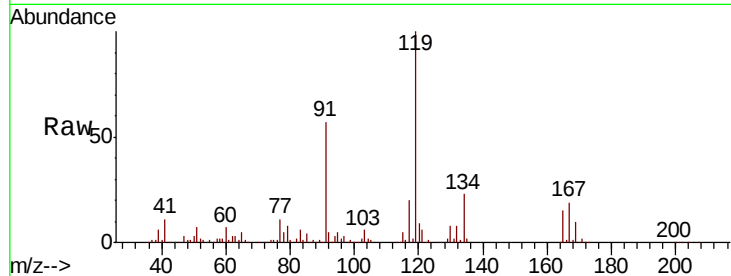
#83  
tert-Butylbenzene  
Concen: 51.10 ug/l  
RT: 11.10 min Scan# 3270  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

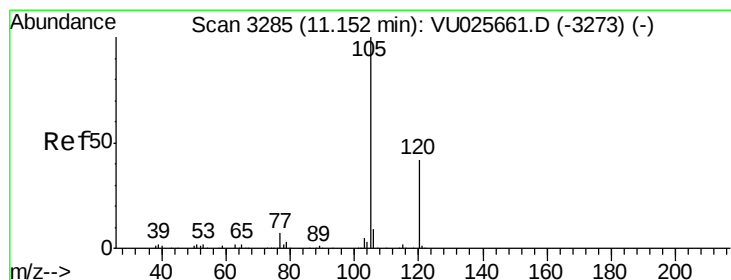
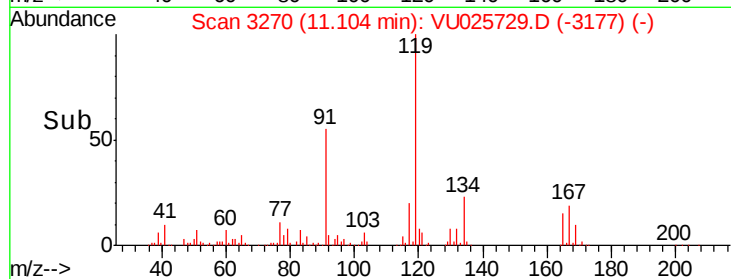
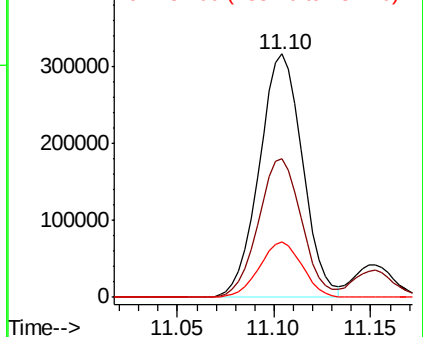
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 57.0  | 29.7  | 89.1  |
| 134     | 22.5  | 11.5  | 34.5  |

Manual Integrations  
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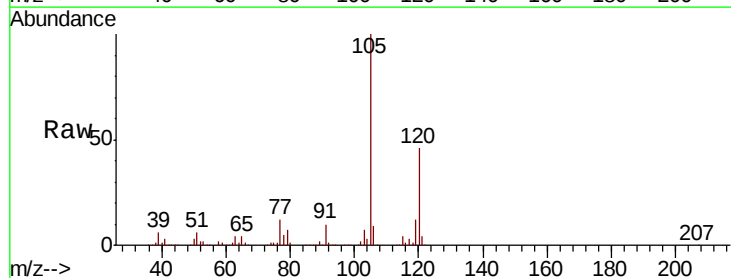


Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 91.00 (90.70 to 91.70): V  
Ion 134.00 (133.70 to 134.70): V

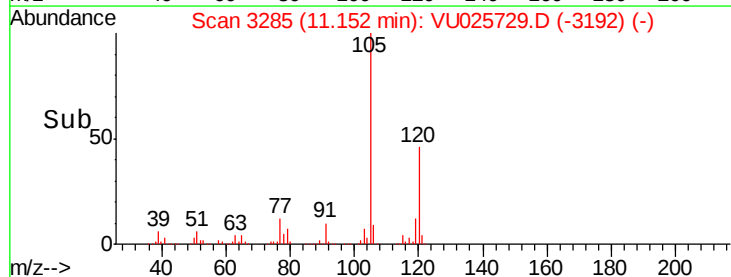
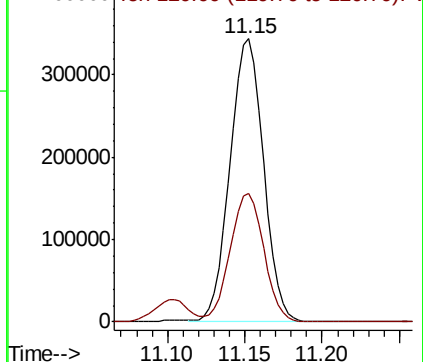


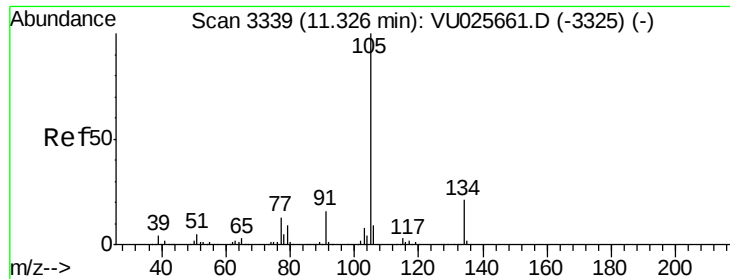
#84  
1,2,4-Trimethylbenzene  
Concen: 52.67 ug/l  
RT: 11.15 min Scan# 3285  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.7  | 22.3  | 66.8  |



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.95 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 585954

Ion Ratio Lower Upper

105 100

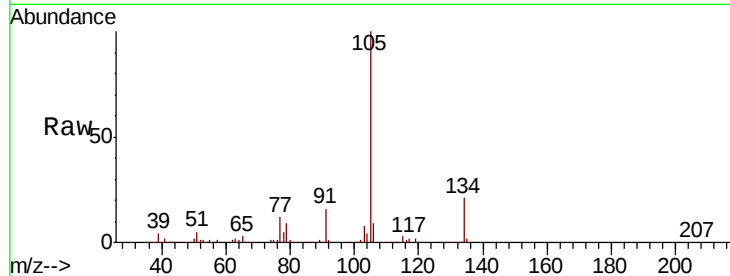
134 20.7 10.3 30.8

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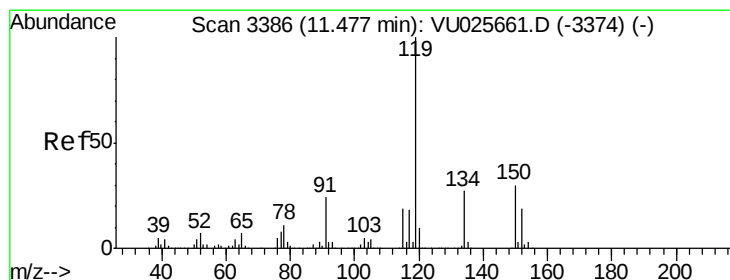
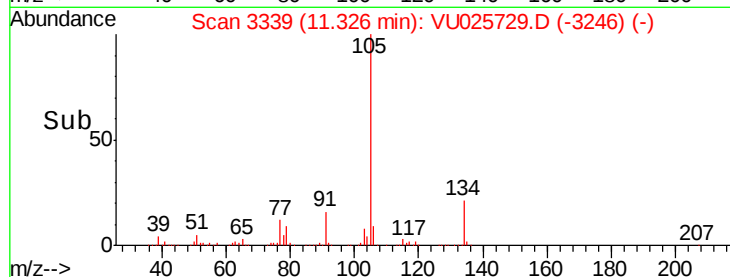
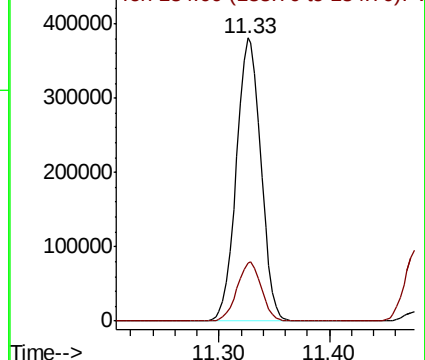
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.69 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

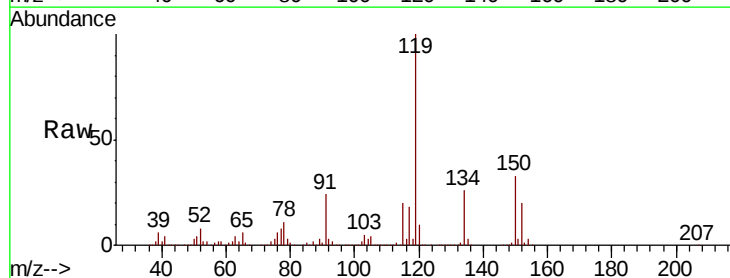
Tgt Ion:119 Resp: 532521

Ion Ratio Lower Upper

119 100

134 26.7 13.2 39.5

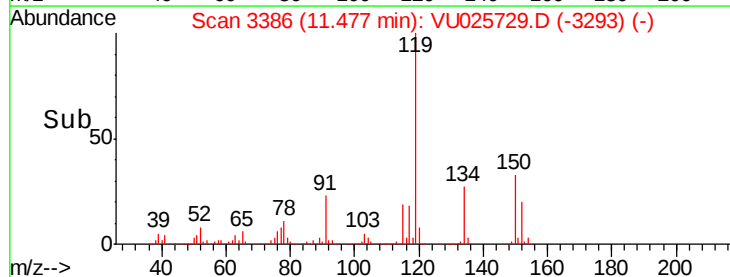
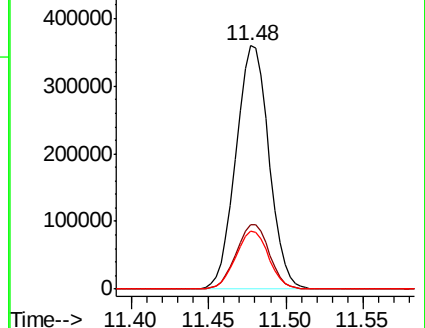
91 23.9 12.0 36.1

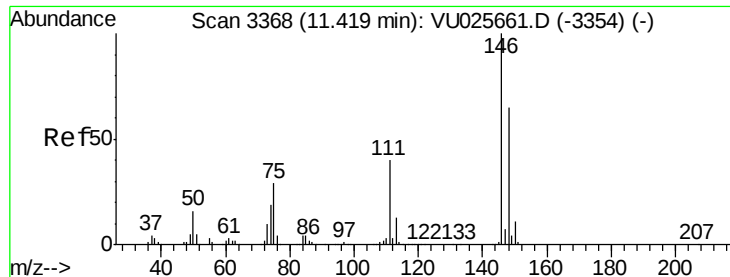


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU





#87

1,3-Dichlorobenzene

Concen: 49.88 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA\_U

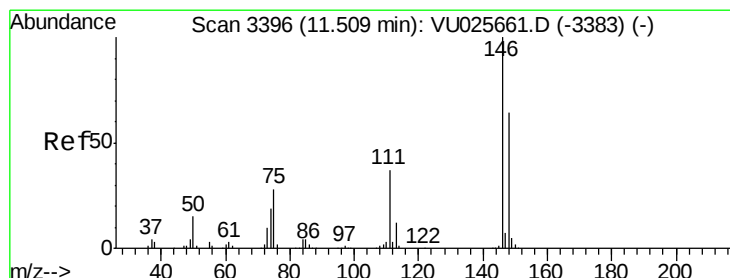
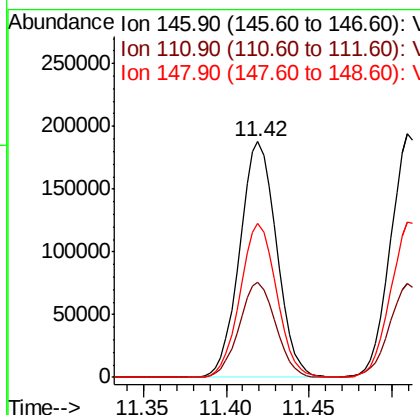
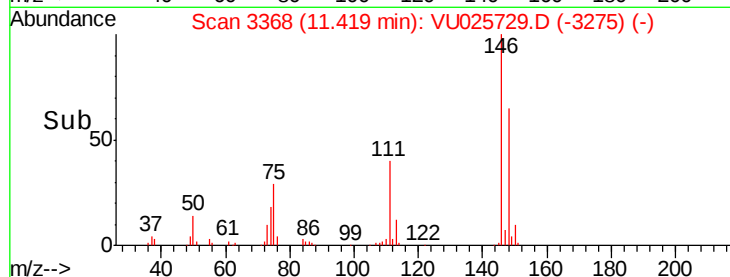
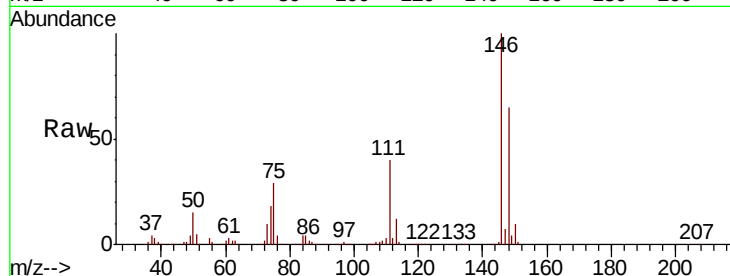
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 290801 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 39.8  | 19.7  | 59.1   |
| 148       | 64.5  | 32.1  | 96.3   |

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#88

1,4-Dichlorobenzene

Concen: 49.01 ug/l

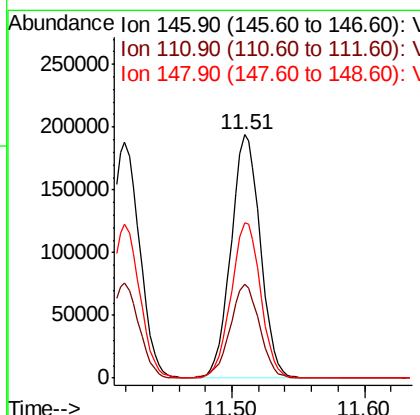
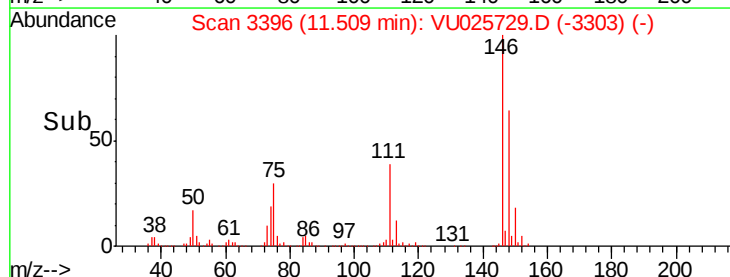
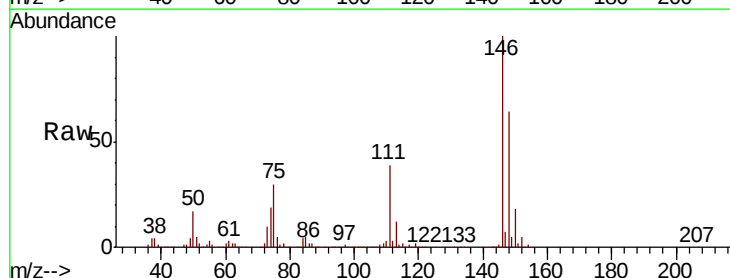
RT: 11.51 min Scan# 3396

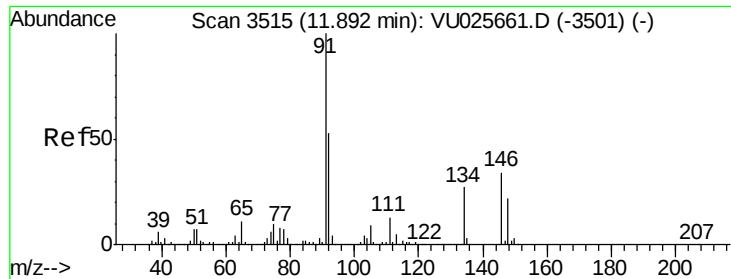
Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 297840 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 39.0  | 19.4  | 58.1   |
| 148       | 64.4  | 31.7  | 95.1   |





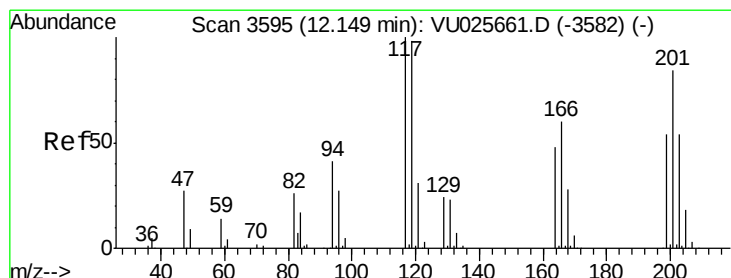
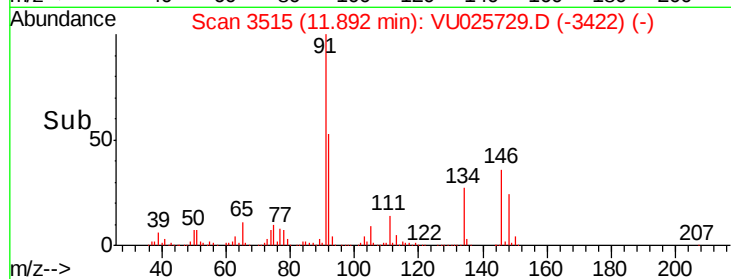
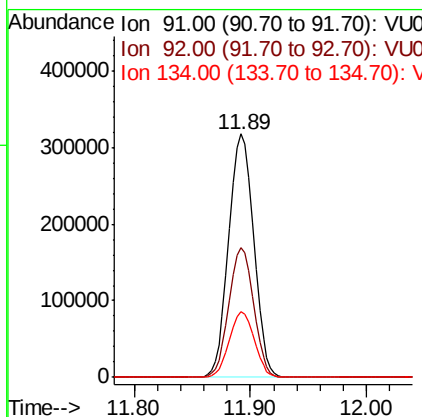
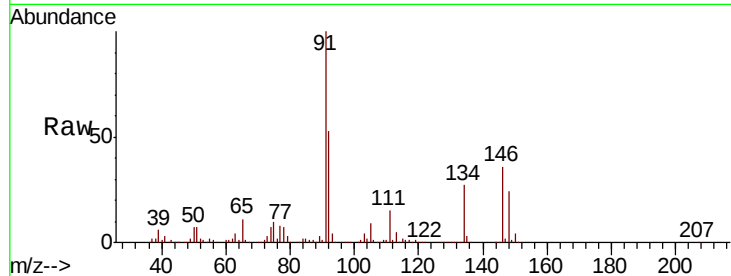
#89  
n-Butylbenzene  
Concen: 48.83 ug/l  
RT: 11.89 min Scan# 3515  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.6  | 26.5  | 79.5  |
| 134     | 26.9  | 13.6  | 40.7  |

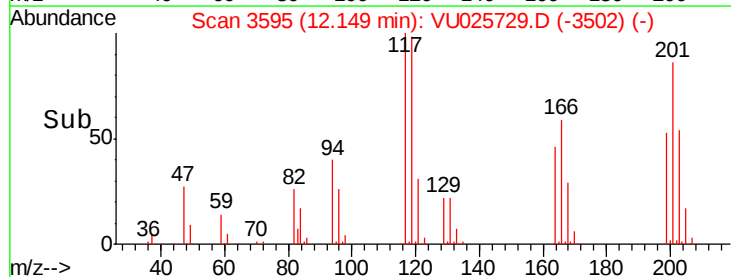
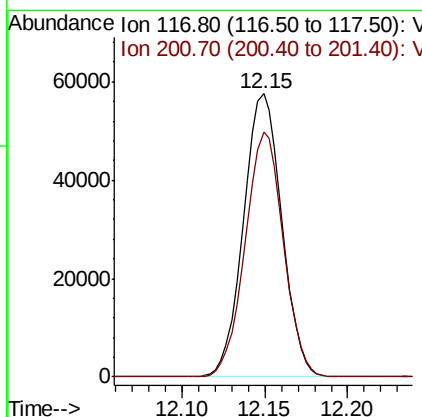
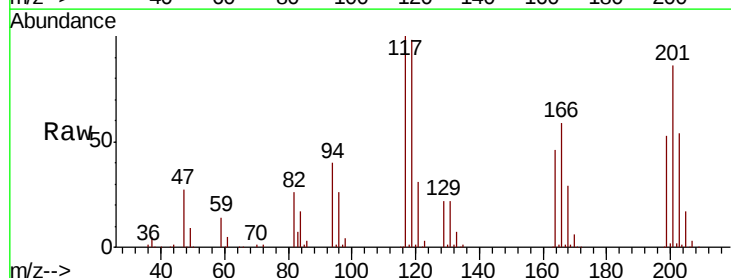
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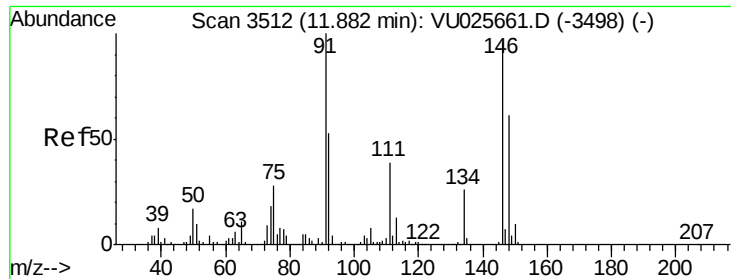
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#90  
Hexachloroethane  
Concen: 49.54 ug/l  
RT: 12.15 min Scan# 3595  
Delta R.T. 0.00 min  
Lab File: VU025729.D  
Acq: 30 Jul 2018 17:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 86.1  | 42.5  | 127.6 |





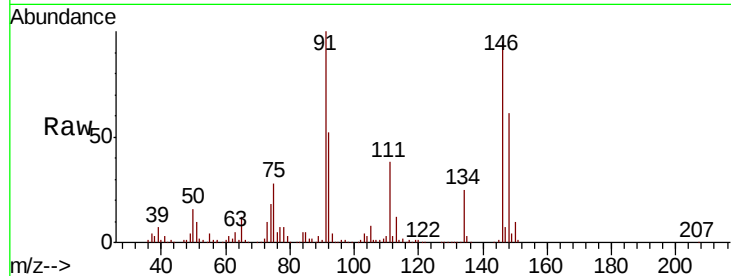
#91  
 1,2-Dichlorobenzene  
 Concen: 50.83 ug/l  
 RT: 11.88 min Scan# 3512  
 Delta R.T. 0.00 min  
 Lab File: VU025729.D  
 Acq: 30 Jul 2018 17:48

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

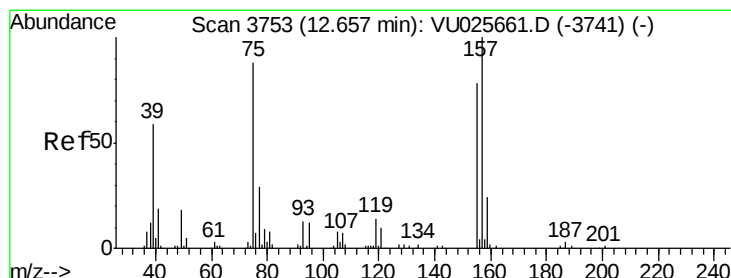
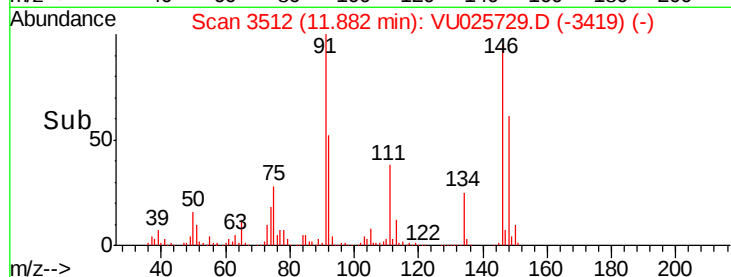
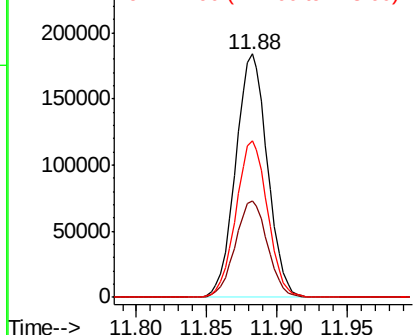
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.3  | 20.6  | 61.8  |
| 148     | 64.2  | 31.5  | 94.5  |

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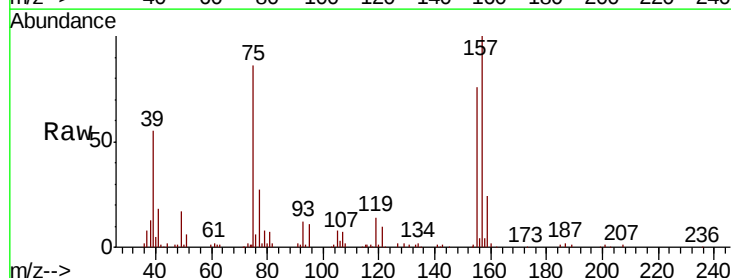


Abundance Ion 145.90 (145.60 to 146.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

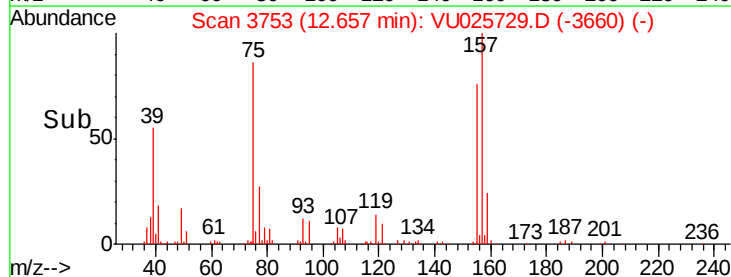
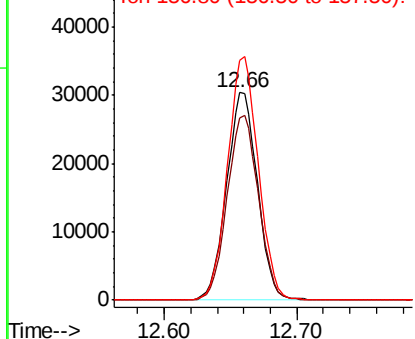


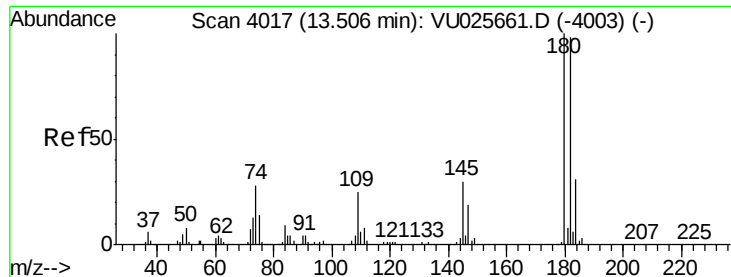
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 52.70 ug/l  
 RT: 12.66 min Scan# 3753  
 Delta R.T. 0.00 min  
 Lab File: VU025729.D  
 Acq: 30 Jul 2018 17:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 90.1  | 44.5  | 133.3 |
| 157     | 116.5 | 57.0  | 170.8 |



Abundance Ion 74.90 (74.60 to 75.60): VUO  
 Ion 154.80 (154.50 to 155.50): V  
 Ion 156.80 (156.50 to 157.50): V





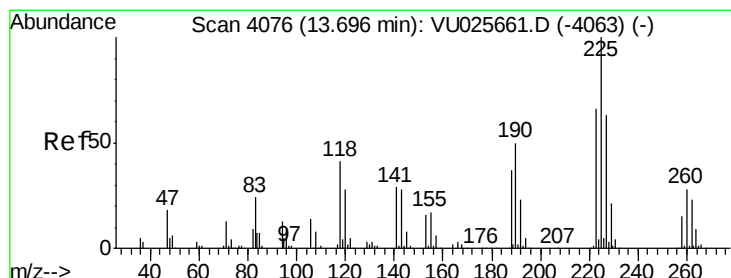
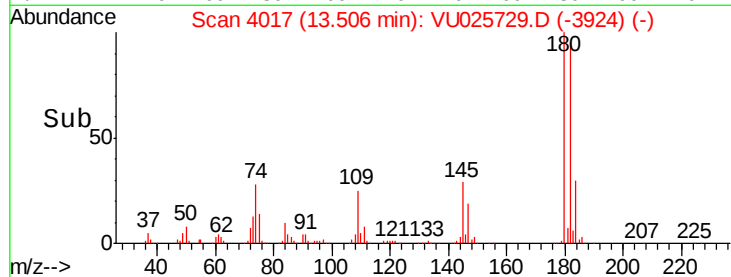
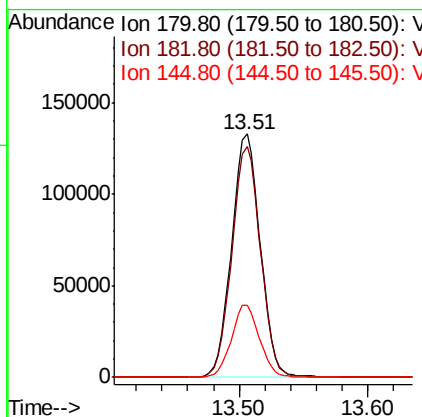
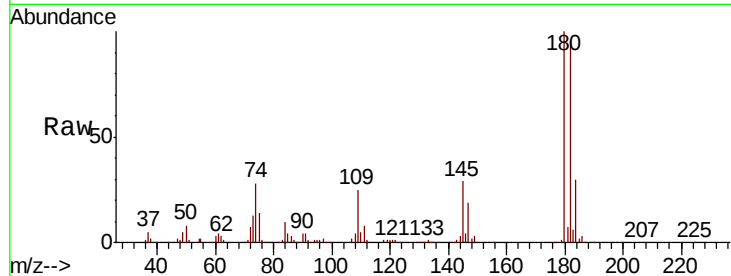
#93  
 1,2,4-Trichlorobenzene  
 Concen: 53.15 ug/l  
 RT: 13.51 min Scan# 4017  
 Delta R.T. 0.00 min  
 Lab File: VU025729.D  
 Acq: 30 Jul 2018 17:48

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.0  | 47.3  | 141.9 |
| 145     | 29.1  | 14.9  | 44.7  |

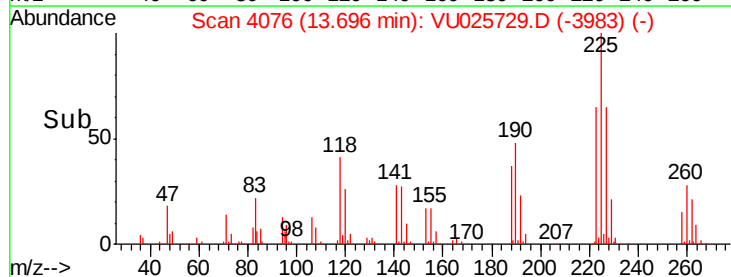
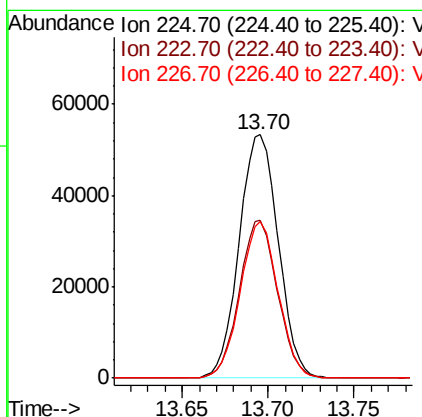
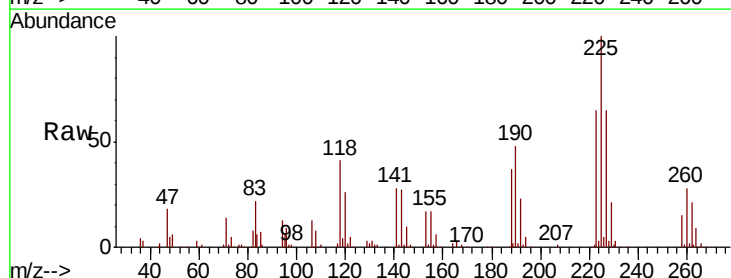
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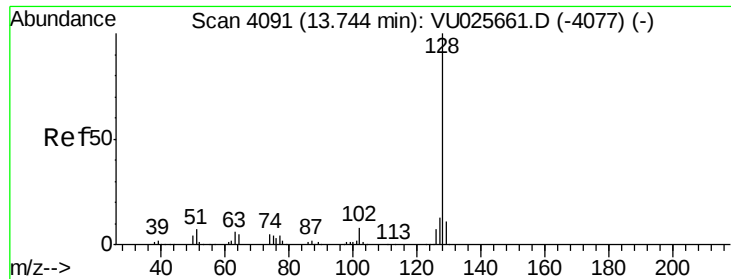
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#94  
 Hexachlorobutadiene  
 Concen: 41.50 ug/l  
 RT: 13.70 min Scan# 4076  
 Delta R.T. 0.00 min  
 Lab File: VU025729.D  
 Acq: 30 Jul 2018 17:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.2  | 31.9  | 95.7  |
| 227     | 62.2  | 32.3  | 96.9  |





#95

Naphthalene

Concen: 52.05 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

Instrument :

MSVOA\_U

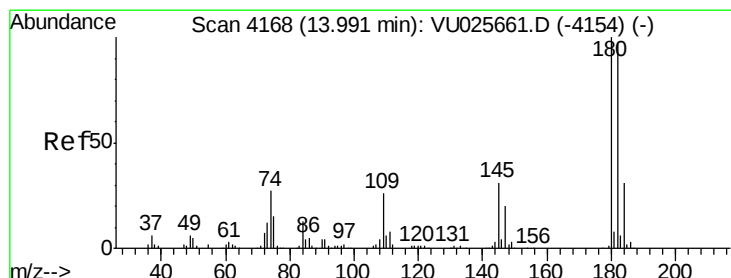
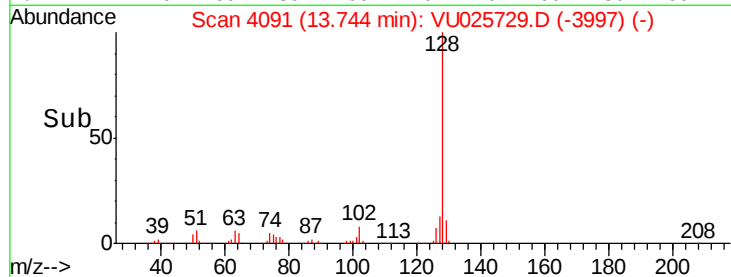
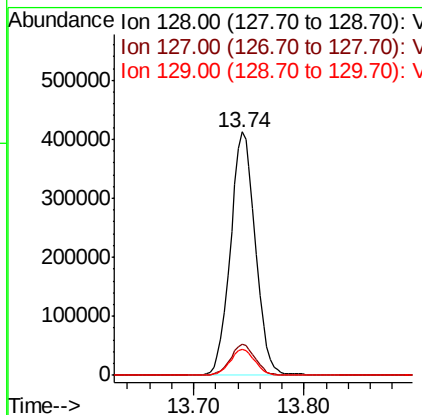
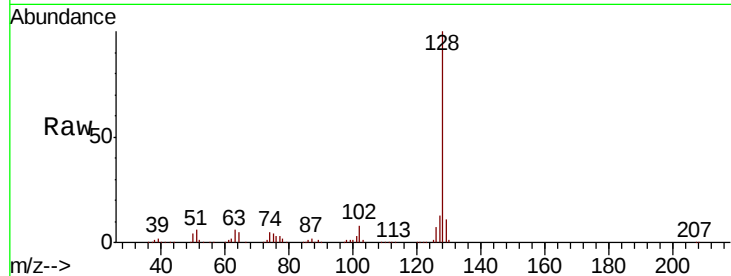
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 128   | Resp: | 645469 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 12.8  | 10.5  | 15.7   |
| 129      | 10.7  | 8.3   | 12.5   |

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#96

1,2,3-Trichlorobenzene

Concen: 53.11 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025729.D

Acq: 30 Jul 2018 17:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 204325 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 96.3  | 47.8  | 143.3  |
| 145      | 31.9  | 15.6  | 46.8   |

