

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\U112718\  
 Data File : VU028342.D  
 Acq On : 27 Nov 2018 17:41  
 Operator : MD/SY  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

sam  
 11/28/2018 5:25:02 PM

Quant Time: Nov 28 04:34:02 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U110218W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 02 02:28:20 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.98  | 168  | 195353   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.88  | 114  | 340023   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 313730   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 158382   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 5.31   | 65  | 164501   | 56.64 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 113.28% |      |
| 35) Dibromofluoromethane    | 4.88   | 113 | 115474   | 53.86 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.72% |      |
| 50) Toluene-d8              | 7.56   | 98  | 454536   | 54.88 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 109.76% |      |
| 62) 4-Bromofluorobenzene    | 10.30  | 95  | 169284   | 55.42 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 110.84% |      |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units | Qvalue |
|-------------------------------|------|------|----------|--------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.21 | 85   | 112077   | 45.15  | ug/l  | 96     |
| 3) Chloromethane              | 1.33 | 50   | 236219   | 78.68  | ug/l  | 97     |
| 4) Vinyl Chloride             | 1.40 | 62   | 168249   | 56.47  | ug/l  | 99     |
| 5) Bromomethane               | 1.60 | 94   | 65060    | 52.49  | ug/l  | 100    |
| 6) Chloroethane               | 1.68 | 64   | 104895   | 61.09  | ug/l  | 98     |
| 7) Trichlorofluoromethane     | 1.88 | 101  | 196049   | 56.94  | ug/l  | 96     |
| 8) Diethyl Ether              | 2.10 | 74   | 90981    | 61.71  | ug/l  | 95     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.28 | 101  | 120078   | 58.71  | ug/l  | 97     |
| 10) Methyl Iodide             | 2.41 | 142  | 100565   | 52.99  | ug/l  | 99     |
| 11) Tert butyl alcohol        | 2.83 | 59   | 197907   | 257.39 | ug/l  | 100    |
| 12) 1,1-Dichloroethene        | 2.28 | 96   | 110752   | 54.09  | ug/l  | 93     |
| 13) Acrolein                  | 2.19 | 56   | 38808    | 134.06 | ug/l  | 94     |
| 14) Allyl chloride            | 2.59 | 41   | 285274   | 57.01  | ug/l  | 99     |
| 15) Acrylonitrile             | 2.93 | 53   | 564595   | 298.93 | ug/l  | 99     |
| 16) Acetone                   | 2.32 | 43   | 655116   | 363.55 | ug/l  | 98     |
| 17) Carbon Disulfide          | 2.48 | 76   | 369807   | 55.26  | ug/l  | 100    |
| 18) Methyl Acetate            | 2.61 | 43   | 313295   | 63.20  | ug/l  | 99     |
| 19) Methyl tert-butyl Ether   | 3.00 | 73   | 479523   | 58.08  | ug/l  | 98     |
| 20) Methylene Chloride        | 2.70 | 84   | 149787   | 56.93  | ug/l  | 94     |
| 21) trans-1,2-Dichloroethene  | 2.98 | 96   | 127405   | 53.92  | ug/l  | 97     |
| 22) Diisopropyl ether         | 3.57 | 45   | 613879   | 59.42  | ug/l  | 98     |
| 23) Vinyl Acetate             | 3.52 | 43   | 2558268  | 288.14 | ug/l  | 99     |
| 24) 1,1-Dichloroethane        | 3.44 | 63   | 301506   | 58.59  | ug/l  | 99     |
| 25) 2-Butanone                | 4.26 | 43   | 917477   | 320.03 | ug/l  | 99     |
| 26) 2,2-Dichloropropane       | 4.22 | 77   | 243604   | 63.08  | ug/l  | 97     |
| 27) cis-1,2-Dichloroethene    | 4.22 | 96   | 153350   | 57.88  | ug/l  | 95     |
| 28) Bromochloromethane        | 4.55 | 49   | 153184   | 63.50  | ug/l  | 94     |
| 29) Tetrahydrofuran           | 4.63 | 42   | 531800   | 277.81 | ug/l  | 99     |
| 30) Chloroform                | 4.67 | 83   | 273710   | 58.01  | ug/l  | 98     |
| 31) Cyclohexane               | 4.99 | 56   | 281012   | 55.85  | ug/l  | 98     |
| 32) 1,1,1-Trichloroethane     | 4.91 | 97   | 220520   | 58.71  | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 5.13 | 75   | 203761   | 57.22  | ug/l  | 98     |
| 37) Ethyl Acetate             | 4.38 | 43   | 290118   | 55.60  | ug/l  | 100    |
| 38) Carbon Tetrachloride      | 5.13 | 117  | 175214   | 55.52  | ug/l  | 99     |

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 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

sam  
 11/28/2018 5:25:02 PM

Quant Time: Nov 28 04:34:02 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U110218W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 02 02:28:20 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 39) Methylcyclohexane          | 6.41  | 83   | 239146   | 55.68   | ug/l  | 97       |
| 40) Benzene                    | 5.39  | 78   | 621379   | 57.07   | ug/l  | 100      |
| 41) Methacrylonitrile          | 4.54  | 41   | 170667   | 61.29   | ug/l  | 99       |
| 42) 1,2-Dichloroethane         | 5.40  | 62   | 229908   | 59.41   | ug/l  | 98       |
| 43) Isopropyl Acetate          | 5.55  | 43   | 466076   | 57.01   | ug/l  | 99       |
| 44) Trichloroethene            | 6.18  | 130  | 131076   | 56.01   | ug/l  | 98       |
| 45) 1,2-Dichloropropane        | 6.43  | 63   | 186391   | 59.36   | ug/l  | 99       |
| 46) Dibromomethane             | 6.56  | 93   | 105043   | 58.20   | ug/l  | 95       |
| 47) Bromodichloromethane       | 6.76  | 83   | 211831   | 60.90   | ug/l  | 100      |
| 48) Methyl methacrylate        | 6.62  | 41   | 240323   | 59.99   | ug/l  | 98       |
| 49) 1,4-Dioxane                | 6.61  | 88   | 74828    | 1144.87 | ug/l  | 94       |
| 51) 4-Methyl-2-Pentanone       | 7.46  | 43   | 1578326  | 289.10  | ug/l  | 99       |
| 52) Toluene                    | 7.64  | 92   | 363881   | 56.85   | ug/l  | 100      |
| 53) t-1,3-Dichloropropene      | 7.88  | 75   | 250964   | 58.00   | ug/l  | 100      |
| 54) cis-1,3-Dichloropropene    | 7.27  | 75   | 269894   | 62.94   | ug/l  | 100      |
| 55) 1,1,2-Trichloroethane      | 8.06  | 97   | 150290   | 57.71   | ug/l  | 97       |
| 56) Ethyl methacrylate         | 8.02  | 69   | 263909   | 57.47   | ug/l  | 98       |
| 57) 1,3-Dichloropropane        | 8.24  | 76   | 280055   | 59.04   | ug/l  | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 7.13  | 63   | 633179   | 257.43  | ug/l  | 98       |
| 59) 2-Hexanone                 | 8.36  | 43   | 1298639  | 307.55  | ug/l  | 99       |
| 60) Dibromochloromethane       | 8.48  | 129  | 149403   | 60.63   | ug/l  | 99       |
| 61) 1,2-Dibromoethane          | 8.58  | 107  | 156766   | 56.65   | ug/l  | 99       |
| 64) Tetrachloroethene          | 8.22  | 164  | 115093   | 56.58   | ug/l  | 97       |
| 65) Chlorobenzene              | 9.12  | 112  | 376250   | 56.76   | ug/l  | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 130846   | 57.79   | ug/l  | 99       |
| 67) Ethyl Benzene              | 9.25  | 91   | 710714   | 58.25   | ug/l  | 100      |
| 68) m/p-Xylenes                | 9.37  | 106  | 514324   | 116.18  | ug/l  | 96       |
| 69) o-Xylene                   | 9.78  | 106  | 253467   | 56.70   | ug/l  | 96       |
| 70) Styrene                    | 9.79  | 104  | 423335   | 59.27   | ug/l  | 99       |
| 71) Bromoform                  | 9.96  | 173  | 114219   | 60.20   | ug/l  | # 99     |
| 73) Isopropylbenzene           | 10.17 | 105  | 676543   | 55.14   | ug/l  | 99       |
| 74) N-amyl acetate             | 10.01 | 43   | 418768   | 56.44   | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 283058   | 57.19   | ug/l  | 98       |
| 76) 1,2,3-Trichloropropane     | 10.49 | 75   | 253186m  | 58.44   | ug/l  |          |
| 77) Bromobenzene               | 10.45 | 156  | 155270   | 55.19   | ug/l  | 95       |
| 78) n-propylbenzene            | 10.58 | 91   | 846662   | 57.65   | ug/l  | 99       |
| 79) 2-Chlorotoluene            | 10.66 | 91   | 498900   | 56.67   | ug/l  | 98       |
| 80) 1,3,5-Trimethylbenzene     | 10.77 | 105  | 576350   | 56.70   | ug/l  | 99       |
| 81) trans-1,4-Dichloro-2-buten | 10.51 | 75   | 90830m   | 52.34   | ug/l  |          |
| 82) 4-Chlorotoluene            | 10.77 | 91   | 573402   | 57.37   | ug/l  | 98       |
| 83) tert-Butylbenzene          | 11.10 | 119  | 551105   | 54.24   | ug/l  | 97       |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 600226   | 58.65   | ug/l  | 99       |
| 85) sec-Butylbenzene           | 11.32 | 105  | 719229   | 58.20   | ug/l  | 99       |
| 86) p-Isopropyltoluene         | 11.48 | 119  | 599481   | 58.03   | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene        | 11.41 | 146  | 293299   | 56.43   | ug/l  | 99       |
| 88) 1,4-Dichlorobenzene        | 11.51 | 146  | 292015   | 54.82   | ug/l  | 99       |
| 89) n-Butylbenzene             | 11.89 | 91   | 604264   | 61.55   | ug/l  | 99       |
| 90) Hexachloroethane           | 12.14 | 117  | 91771    | 49.90   | ug/l  | 99       |
| 91) 1,2-Dichlorobenzene        | 11.88 | 146  | 297190   | 56.86   | ug/l  | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 63706    | 61.09   | ug/l  | 93       |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
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sam  
11/28/2018 5:25:02 PM

Quant Time: Nov 28 04:34:02 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U110218W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 02 02:28:20 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.50 | 180  | 196978   | 53.69 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 13.69 | 225  | 95327    | 57.39 | ug/l  | 98       |
| 95) Naphthalene            | 13.74 | 128  | 691364   | 53.23 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 13.99 | 180  | 201903   | 57.57 | ug/l  | 100      |

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

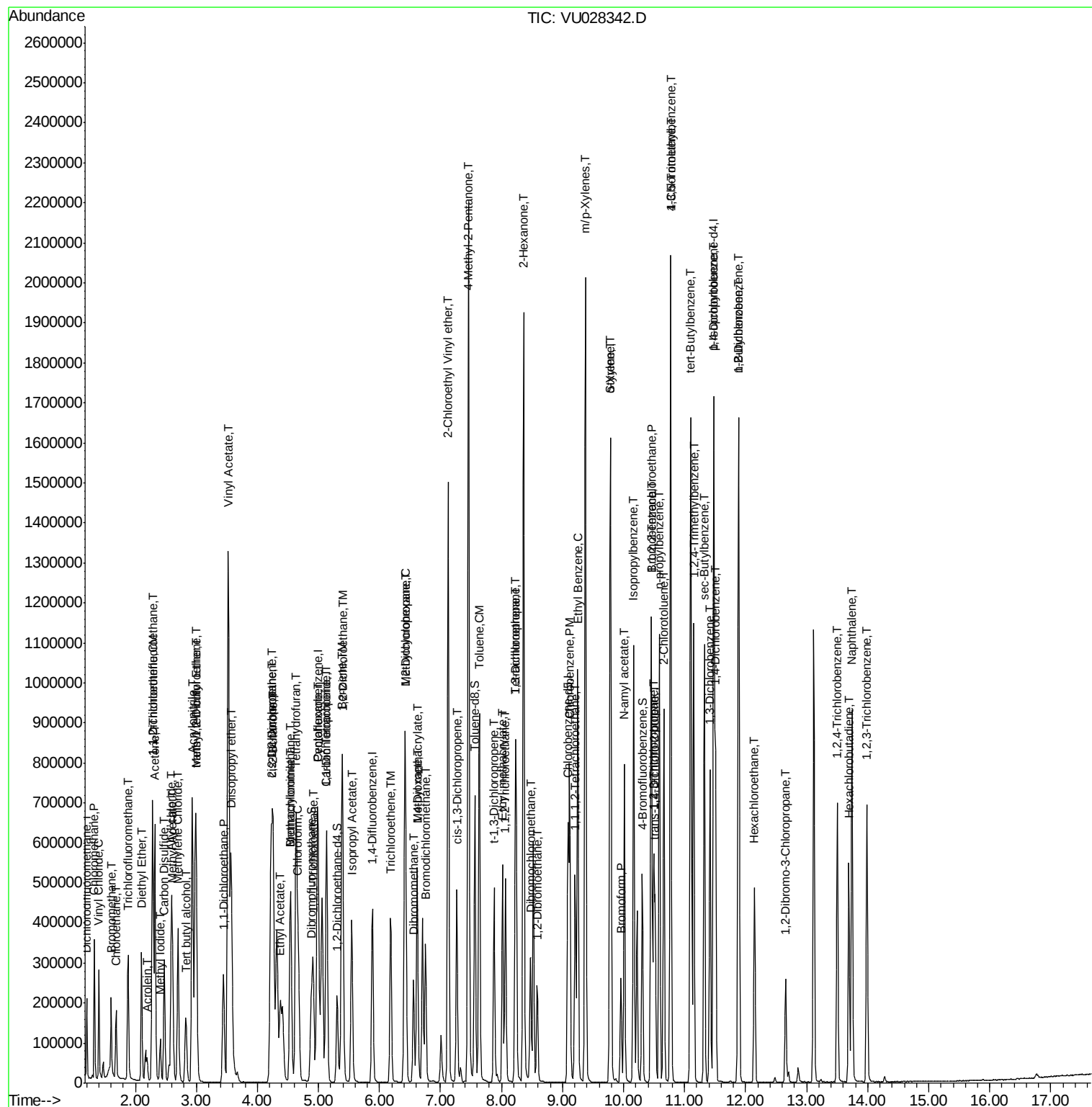
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_U\DATA\VU112718\  
Data File : VU028342.D  
Acq On : 27 Nov 2018 17:41  
Operator : MD/SY  
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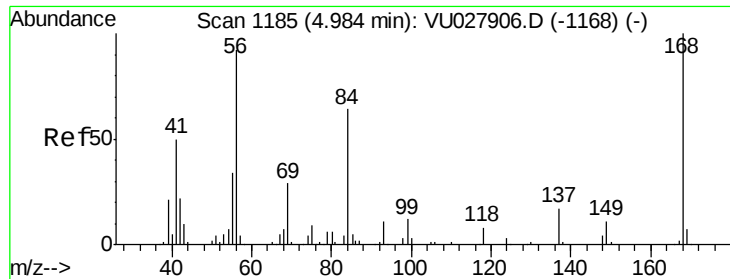
Instrument :  
MSVOA\_U  
ClientSampleID :  
VSTDCCC050

Manual Integrations  
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11/28/2018 5:25:02 PM

Quant Time: Nov 28 04:34:02 2018  
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Quant Title : SW846 8260  
QLast Update : Fri Nov 02 02:28:20 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 195353

Ion Ratio Lower Upper

168 100

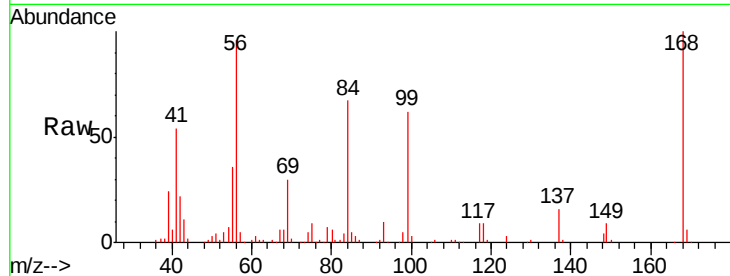
99 61.2 47.9 71.9

Manual Integrations

APPROVED

sam

11/28/2018 5:25:02 PM



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

100000

80000

60000

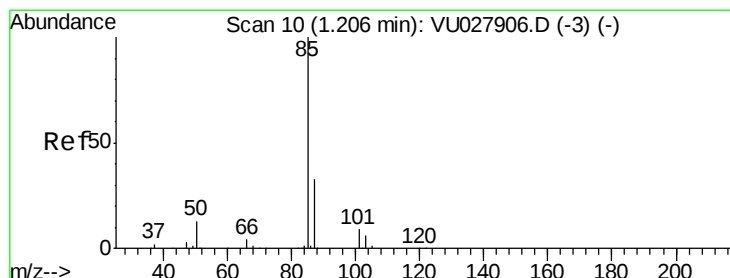
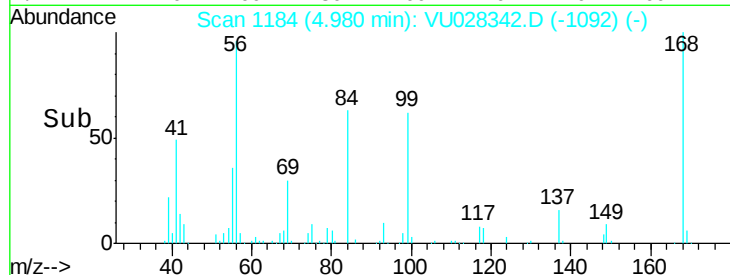
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.15 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028342.D

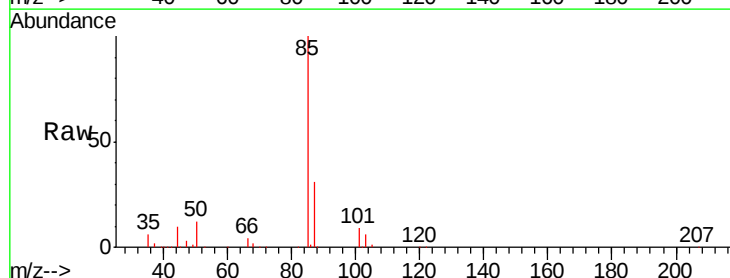
Acq: 27 Nov 2018 17:41

Tgt Ion: 85 Resp: 112077

Ion Ratio Lower Upper

85 100

87 30.9 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027906.D (-3) (-)

120000

100000

80000

60000

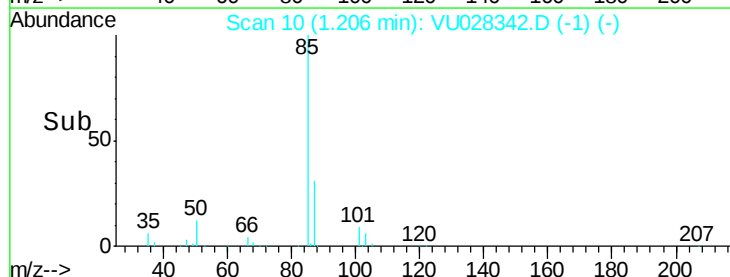
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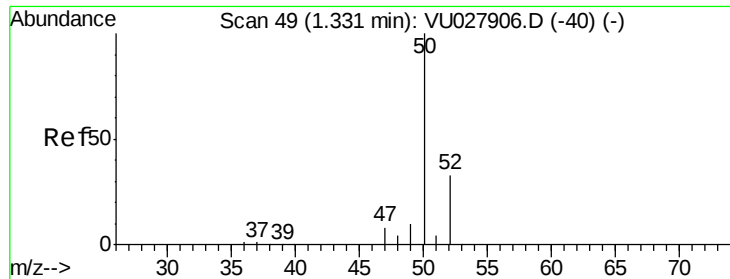
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0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 78.68 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 236219

Ion Ratio Lower Upper

50 100

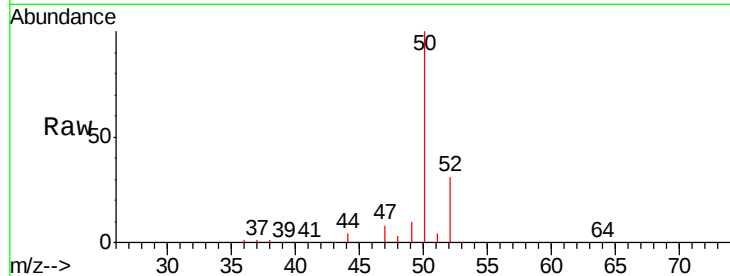
52 31.1 26.2 39.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.33

200000

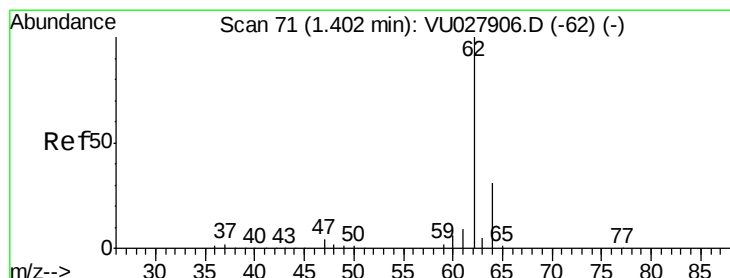
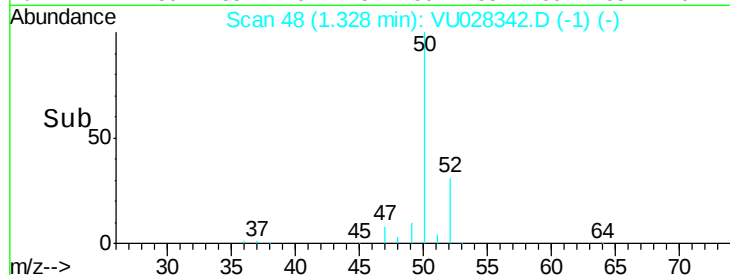
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 56.47 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028342.D

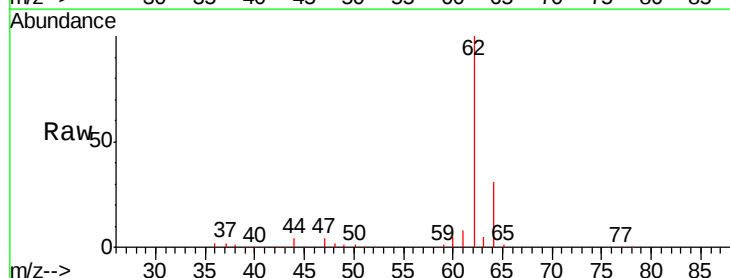
Acq: 27 Nov 2018 17:41

Tgt Ion: 62 Resp: 168249

Ion Ratio Lower Upper

62 100

64 30.7 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

200000

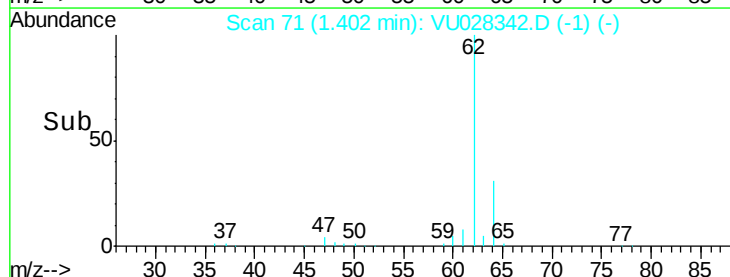
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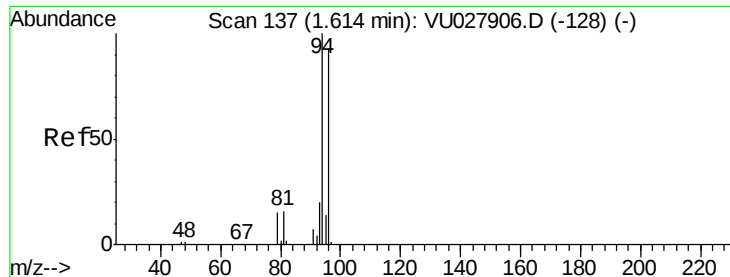
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50000

0

Time-->





#5

Bromomethane

Concen: 52.49 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.01 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 65060

Ion Ratio Lower Upper

94 100

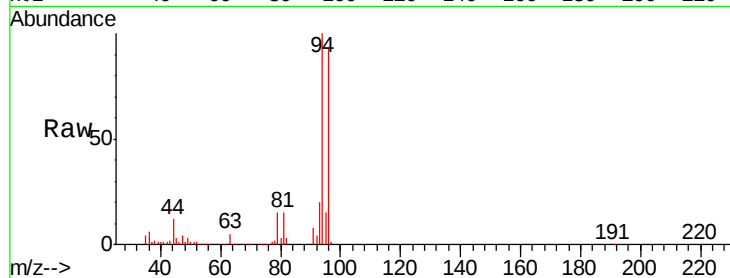
96 93.3 74.8 112.2

Manual Integrations

APPROVED

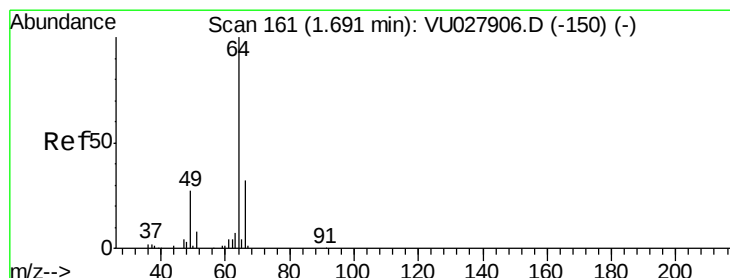
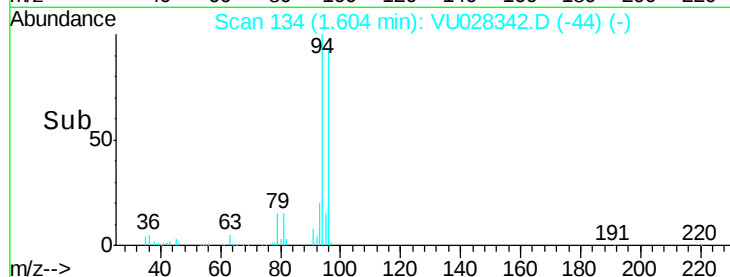
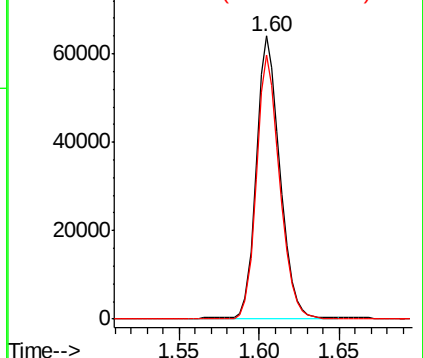
sam

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 61.09 ug/l

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU028342.D

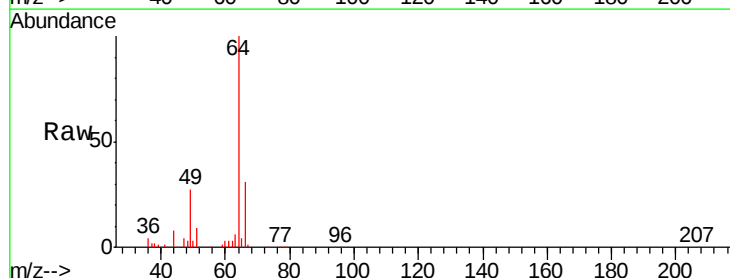
Acq: 27 Nov 2018 17:41

Tgt Ion: 64 Resp: 104895

Ion Ratio Lower Upper

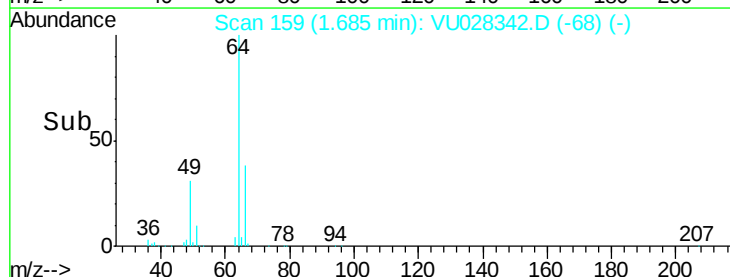
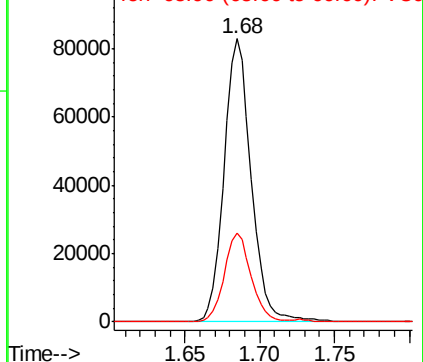
64 100

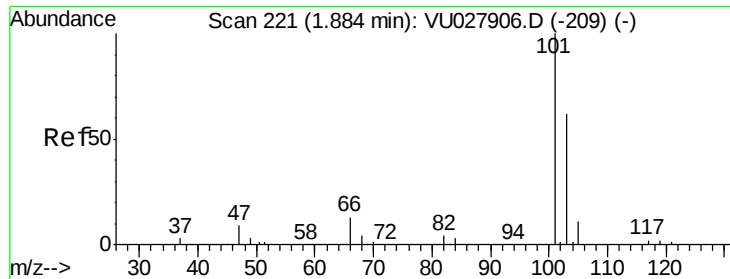
66 31.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

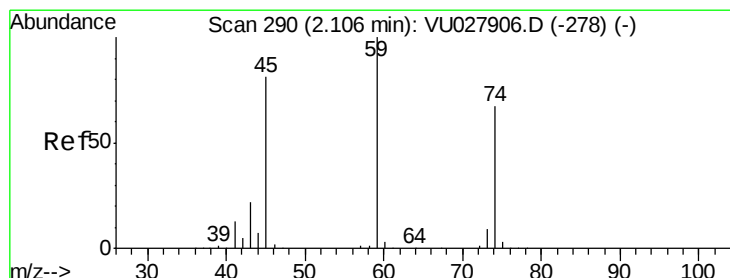
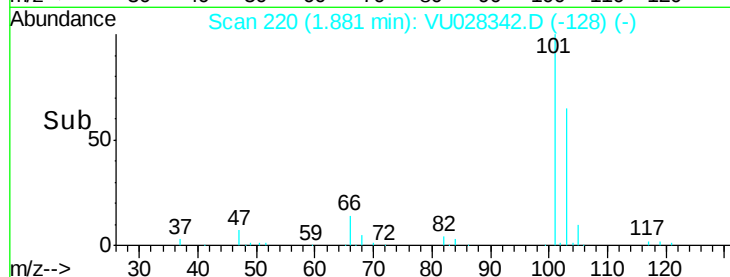
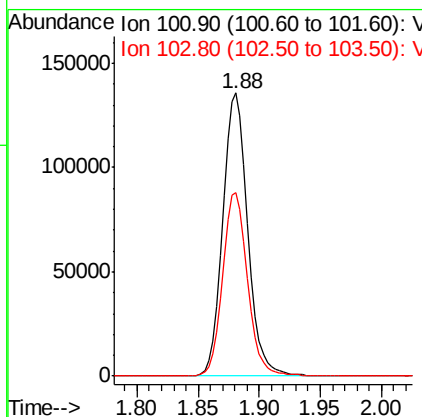
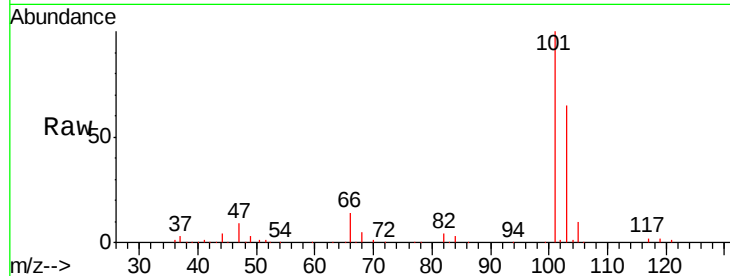
Trichlorofluoromethane  
 Concen: 56.94 ug/l  
 RT: 1.88 min Scan# 220  
 Delta R.T. -0.00 min  
 Lab File: VU028342.D  
 Acq: 27 Nov 2018 17:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.1  | 49.4  | 74.2  |

Manual Integrations  
 APPROVED

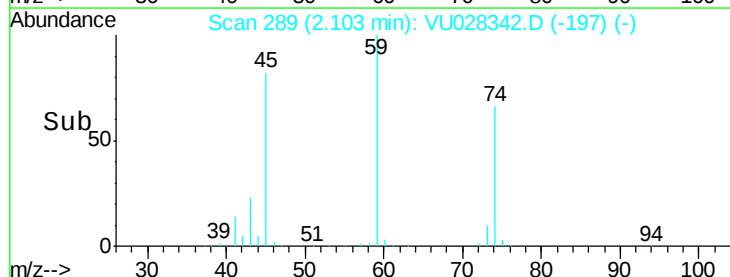
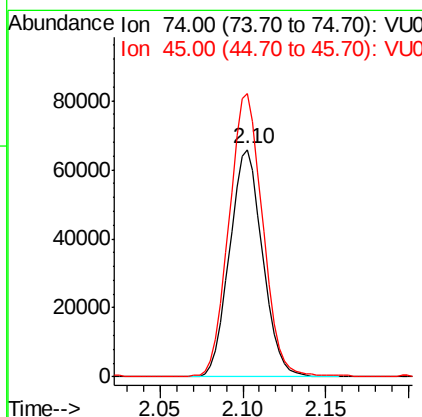
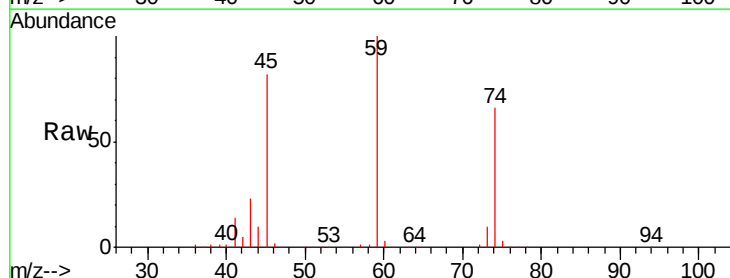
sam  
 11/28/2018 5:25:02 PM

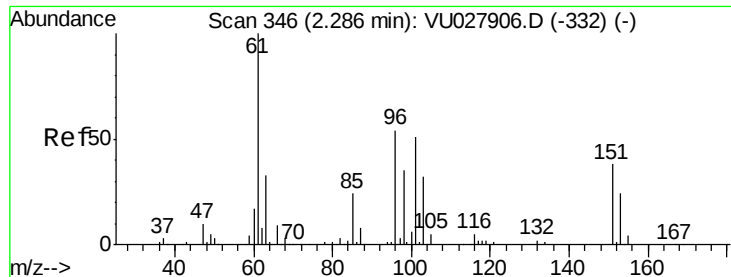


#8

Diethyl Ether  
 Concen: 61.71 ug/l  
 RT: 2.10 min Scan# 289  
 Delta R.T. -0.00 min  
 Lab File: VU028342.D  
 Acq: 27 Nov 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 126.5 | 60.5  | 181.5 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 58.71 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tgt Ion:101 Resp: 120078  
Ion Ratio Lower Upper

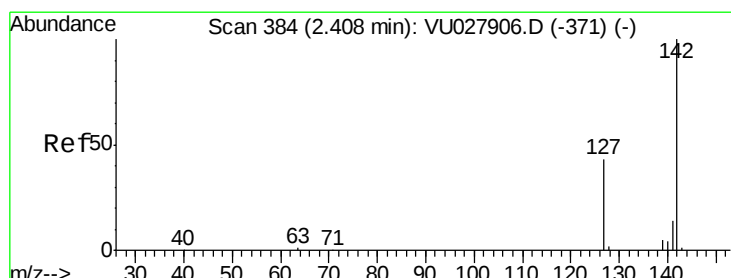
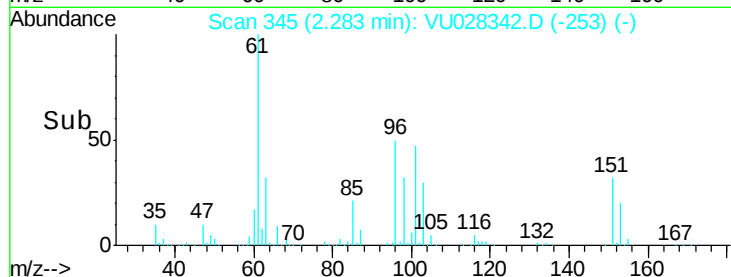
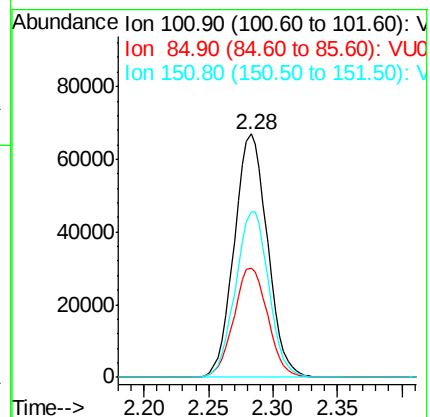
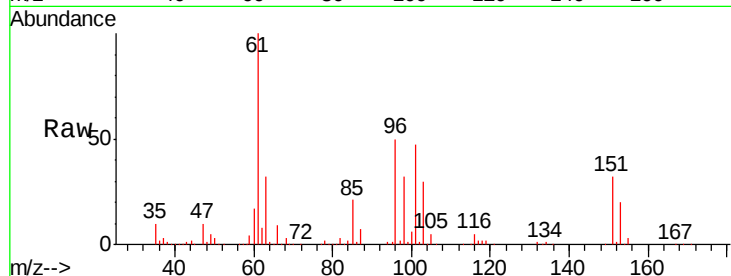
101 100

85 46.0 36.9 55.3

151 68.2 58.0 87.0

Manual Integrations  
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sam  
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#10

Methyl Iodide

Concen: 52.99 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU028342.D

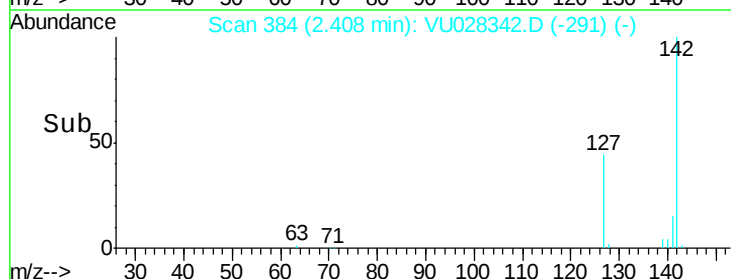
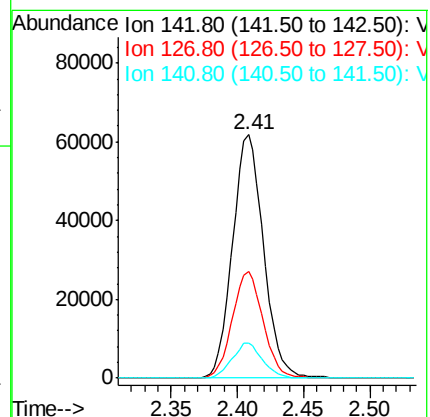
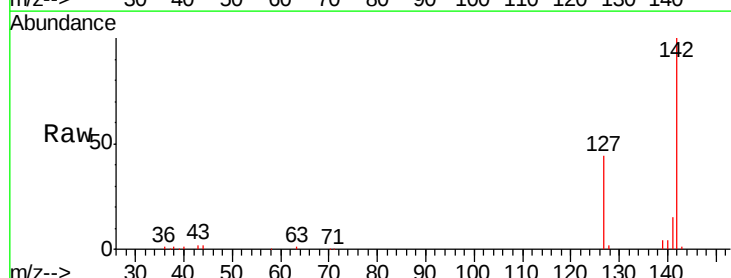
Acq: 27 Nov 2018 17:41

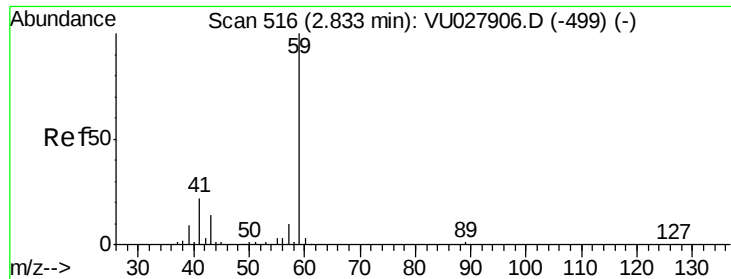
Tgt Ion:142 Resp: 100565  
Ion Ratio Lower Upper

142 100

127 43.3 35.2 52.8

141 13.9 11.8 17.8





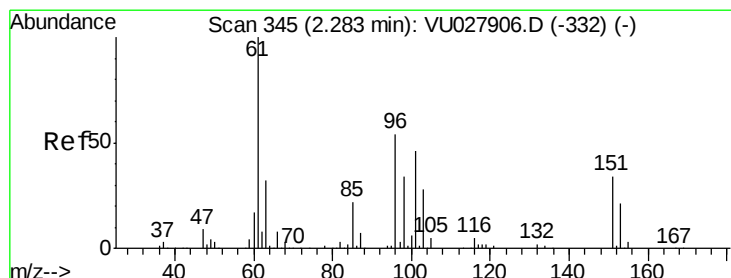
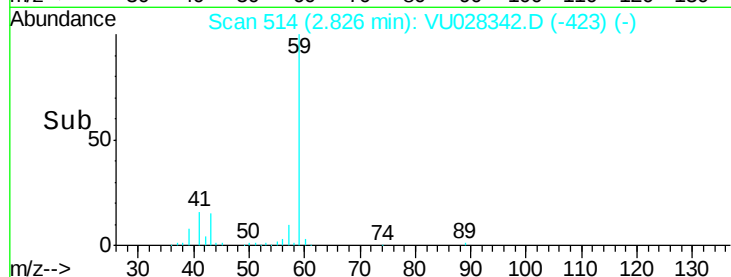
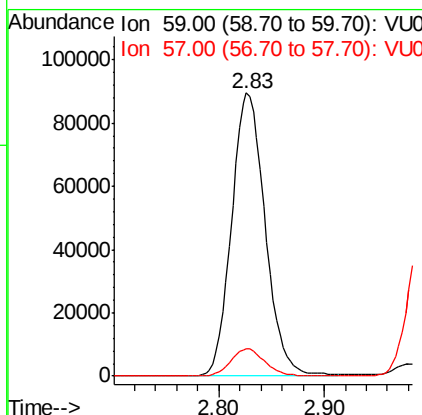
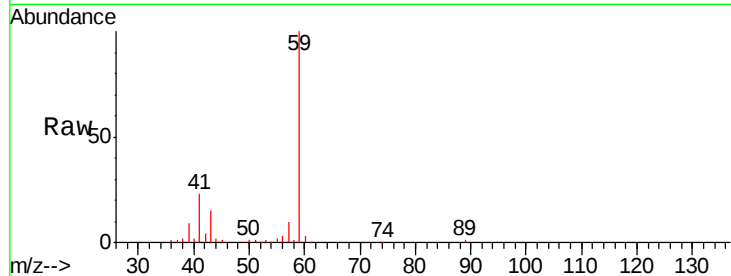
#11  
Tert butyl alcohol  
Concen: 257.39 ug/l  
RT: 2.83 min Scan# 514  
Delta R.T. -0.01 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.8   | 7.8   | 11.8  |

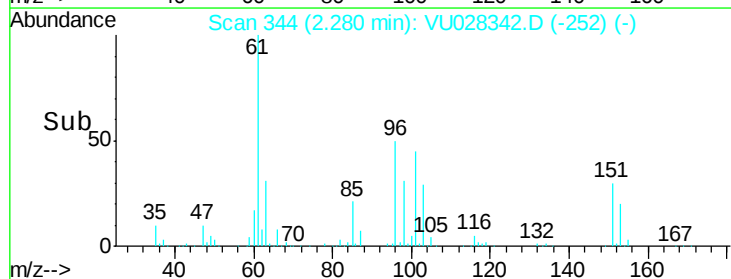
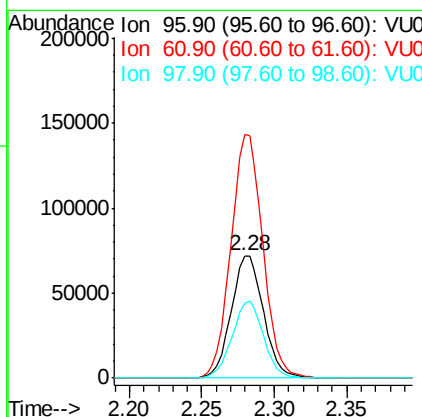
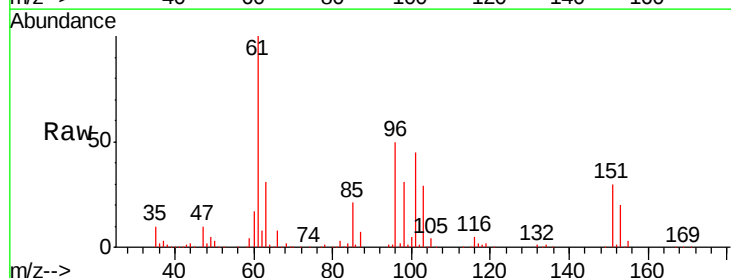
Manual Integrations  
APPROVED

sam  
11/28/2018 5:25:02 PM



#12  
1,1-Dichloroethene  
Concen: 54.09 ug/l  
RT: 2.28 min Scan# 344  
Delta R.T. -0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 198.6 | 149.3 | 223.9 |
| 98      | 61.3  | 50.6  | 75.8  |





#13

Acrolein

Concen: 134.06 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 38808

Ion Ratio Lower Upper

56 100

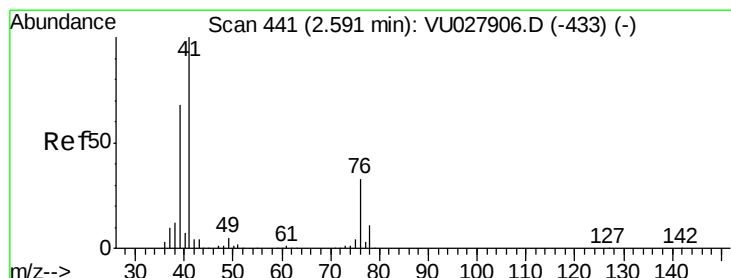
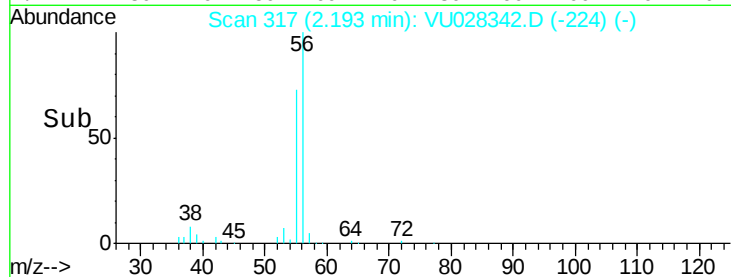
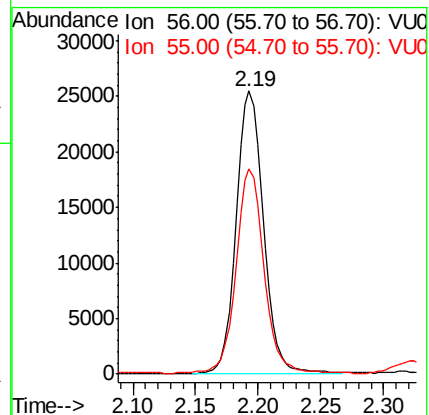
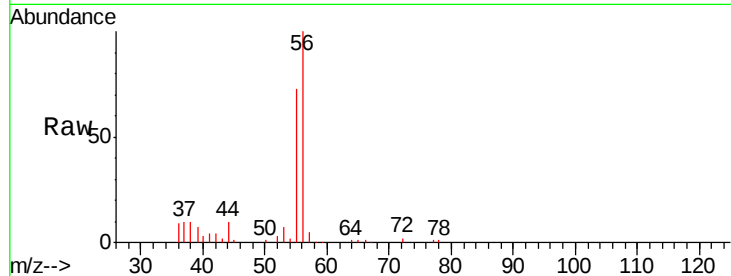
55 75.1 56.2 84.4

Manual Integrations

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sam

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#14

Allyl chloride

Concen: 57.01 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

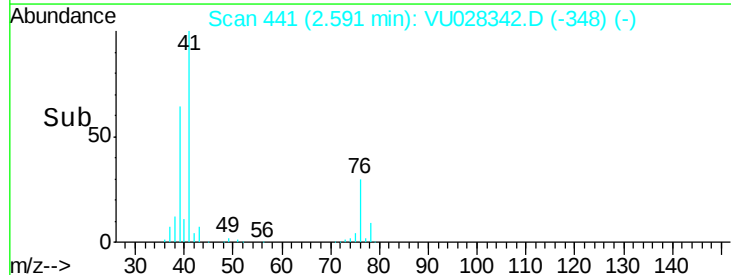
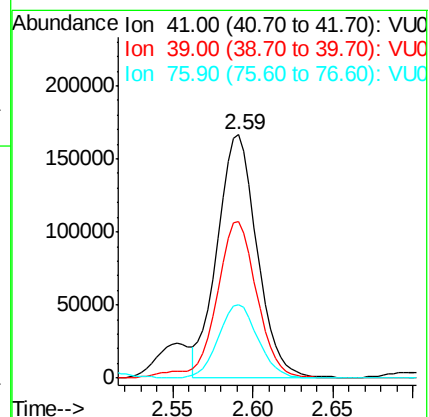
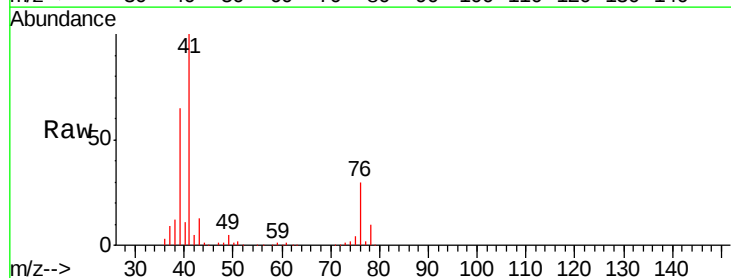
Tgt Ion: 41 Resp: 285274

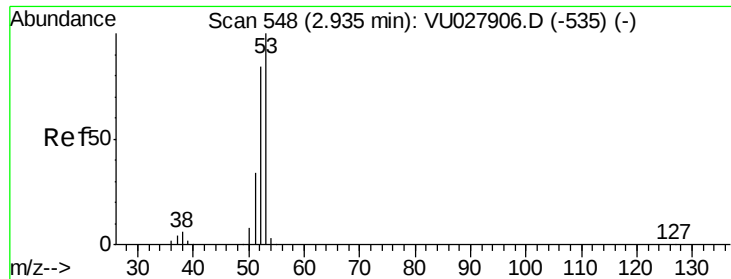
Ion Ratio Lower Upper

41 100

39 66.0 51.9 77.9

76 29.9 23.8 35.6





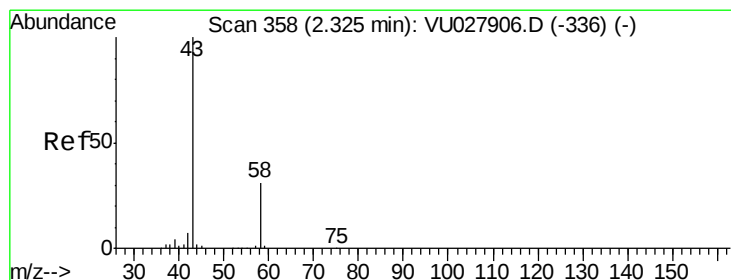
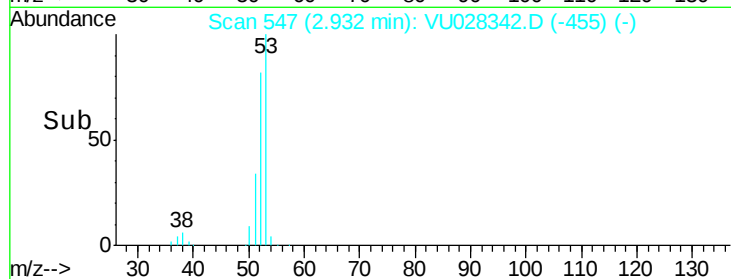
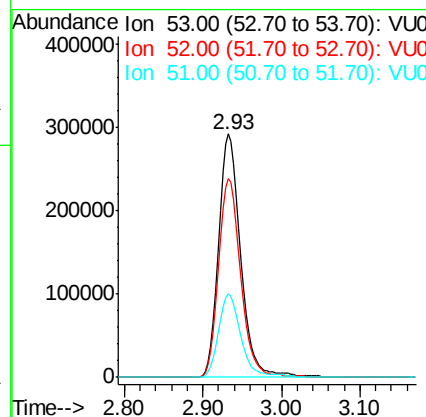
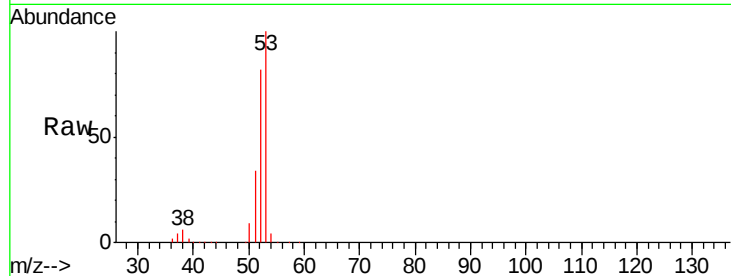
#15  
Acrylonitrile  
Concen: 298.93 ug/l  
RT: 2.93 min Scan# 547  
Delta R.T. -0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 82.2  | 66.2  | 99.2  |
| 51      | 34.0  | 27.0  | 40.4  |

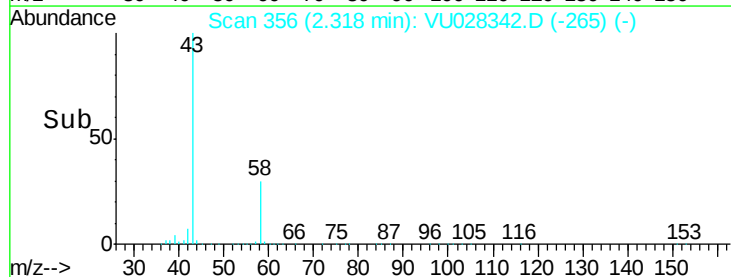
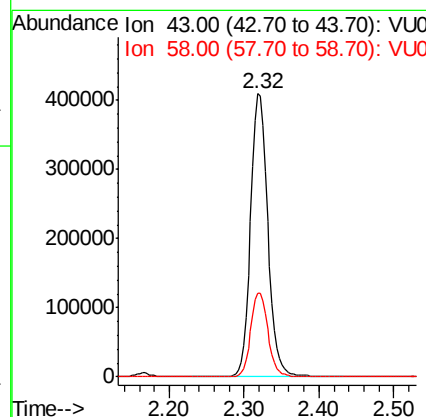
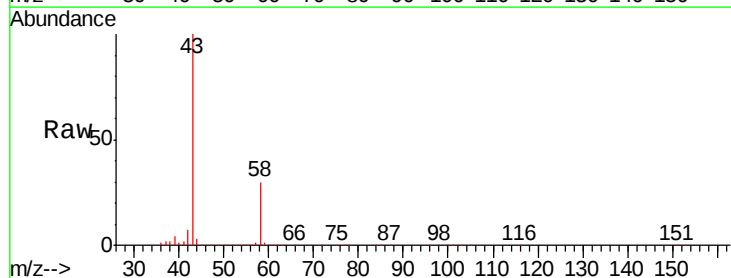
Manual Integrations  
APPROVED

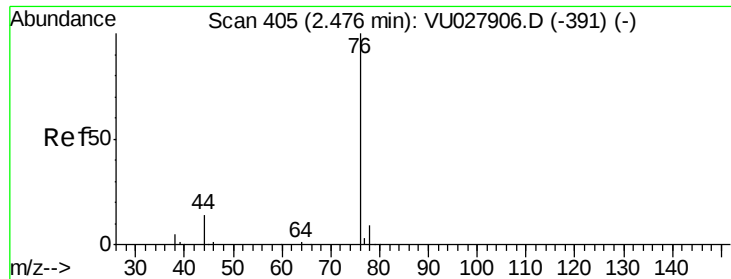
sam  
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#16  
Acetone  
Concen: 363.55 ug/l  
RT: 2.32 min Scan# 356  
Delta R.T. -0.01 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 29.8  | 24.6  | 37.0  |





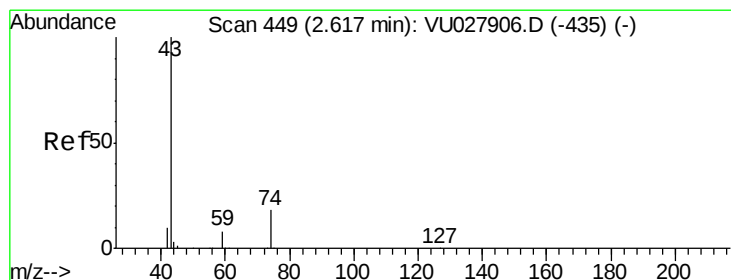
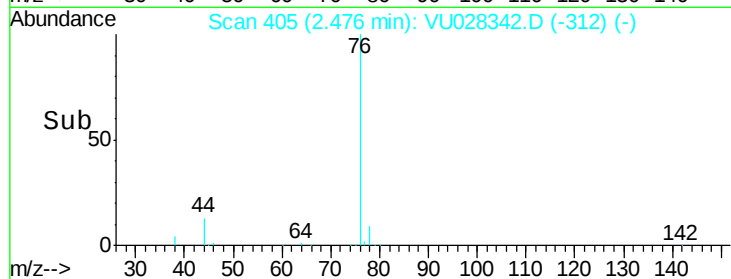
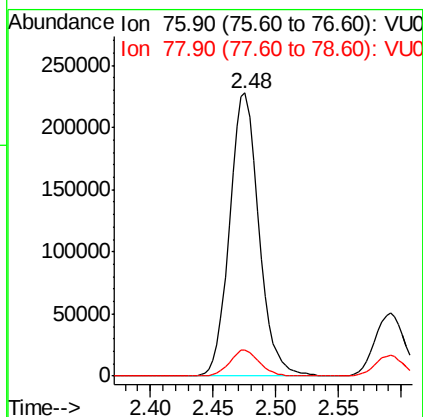
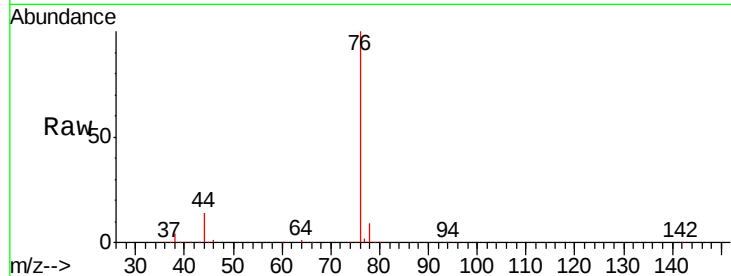
#17  
Carbon Disulfide  
Concen: 55.26 ug/l  
RT: 2.48 min Scan# 405  
Delta R.T. 0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.2   | 7.4   | 11.0  |

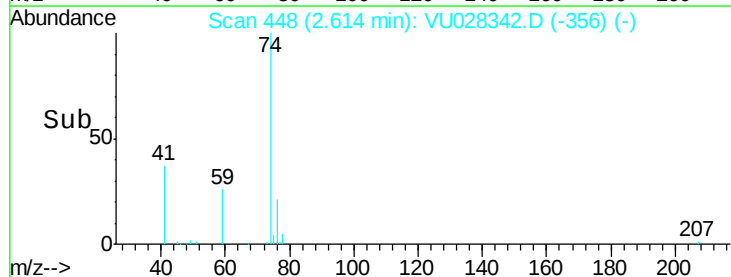
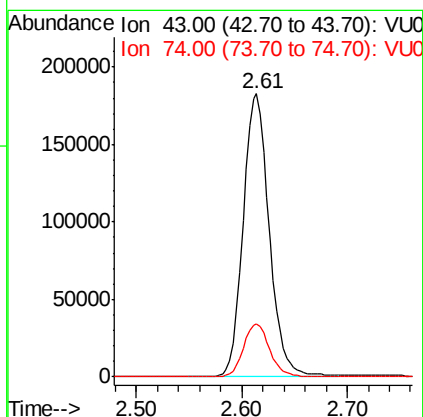
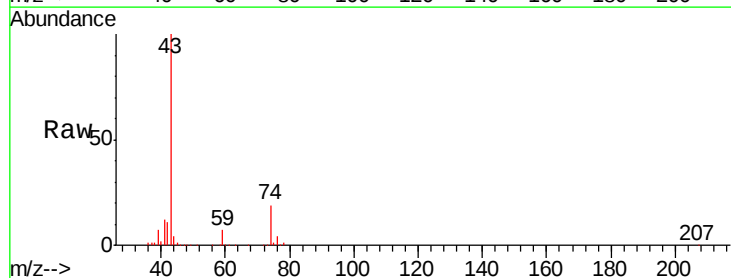
Manual Integrations  
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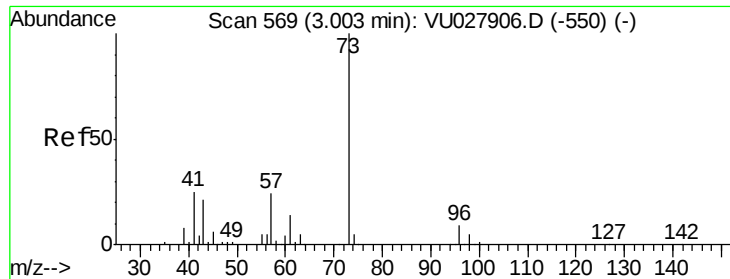
sam  
11/28/2018 5:25:02 PM



#18  
Methyl Acetate  
Concen: 63.20 ug/l  
RT: 2.61 min Scan# 448  
Delta R.T. -0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 19.1  | 14.9  | 22.3  |





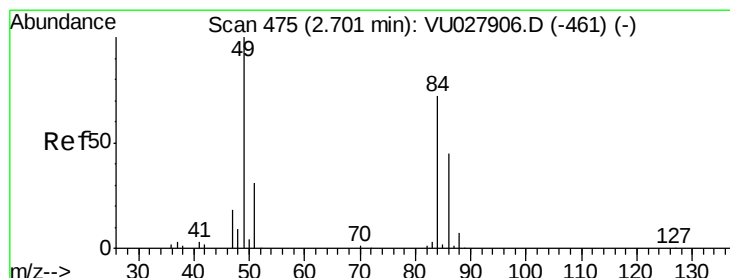
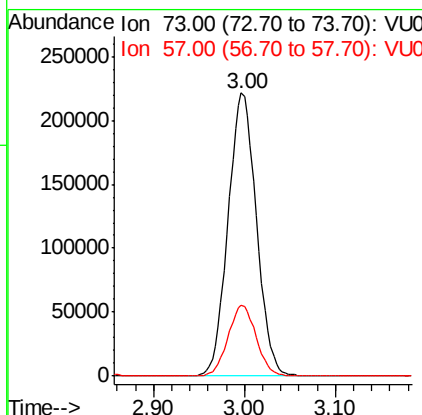
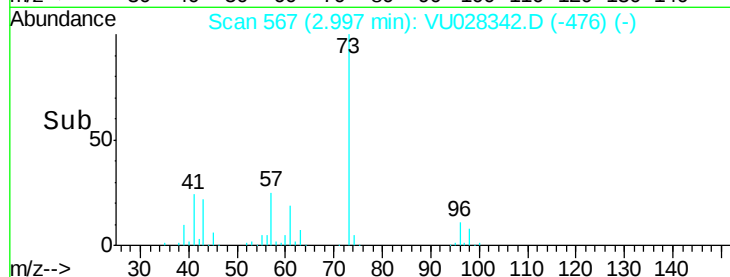
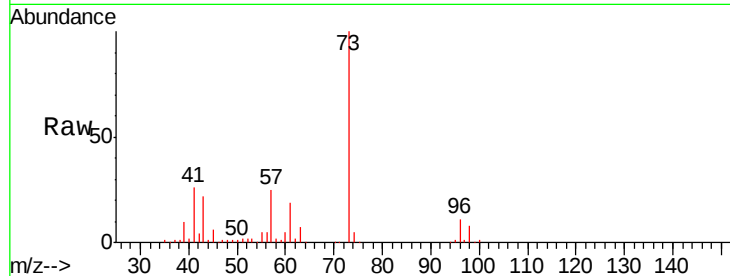
#19  
Methyl tert-butyl Ether  
Concen: 58.08 ug/l  
RT: 3.00 min Scan# 567  
Delta R.T. -0.01 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 73 Resp: 479523  
Ion Ratio Lower Upper  
73 100  
57 25.0 19.3 28.9

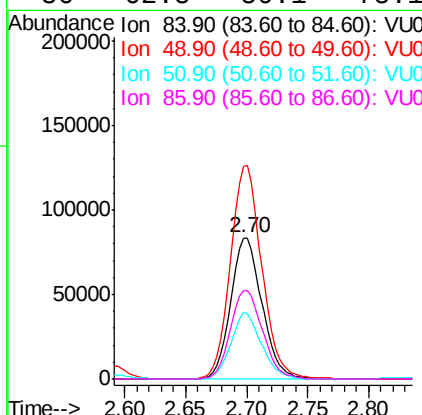
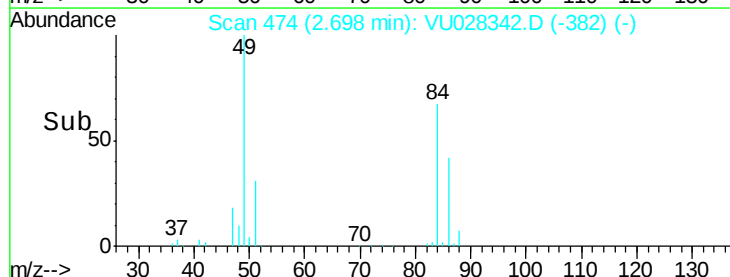
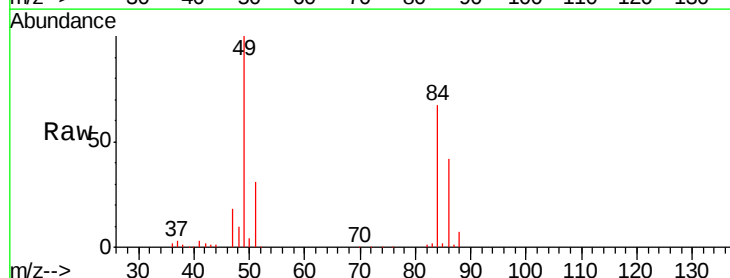
Manual Integrations  
APPROVED

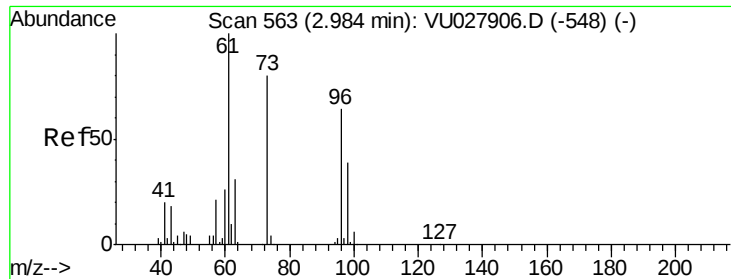
sam  
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#20  
Methylene Chloride  
Concen: 56.93 ug/l  
RT: 2.70 min Scan# 474  
Delta R.T. -0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

Tgt Ion: 84 Resp: 149787  
Ion Ratio Lower Upper  
84 100  
49 150.3 111.6 167.4  
51 46.7 34.8 52.2  
86 62.5 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 53.92 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

Instrument :

MSVOA\_U

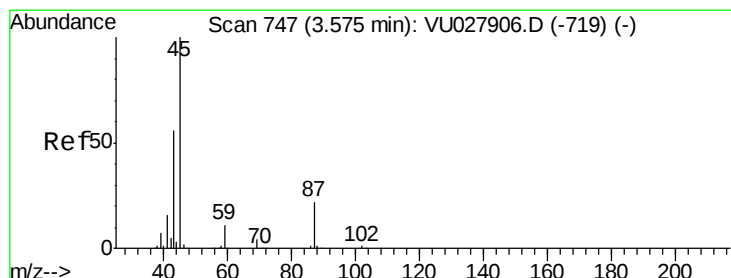
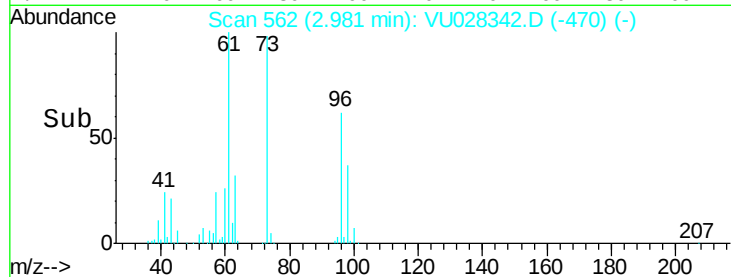
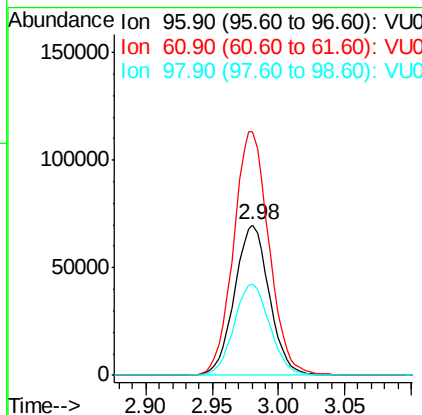
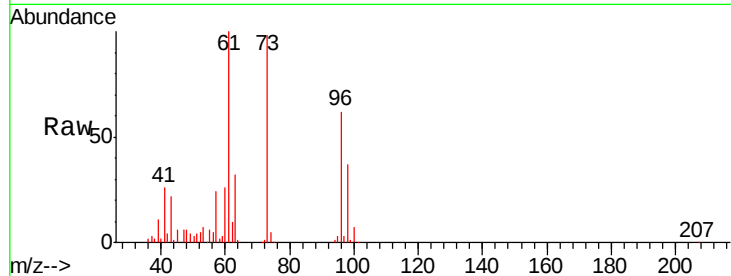
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 127405 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 161.9 | 125.0 | 187.6  |
| 98       | 60.6  | 48.2  | 72.4   |

Manual Integrations  
APPROVED

sam  
11/28/2018 5:25:02 PM



#22

Diisopropyl ether

Concen: 59.42 ug/l

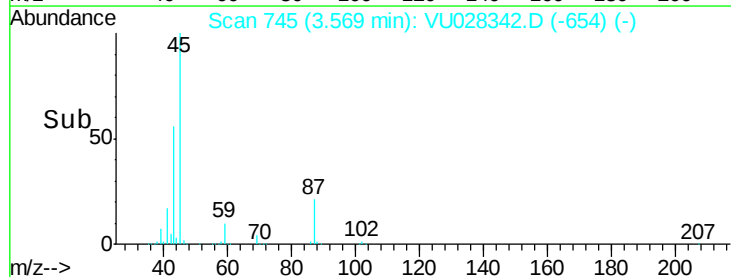
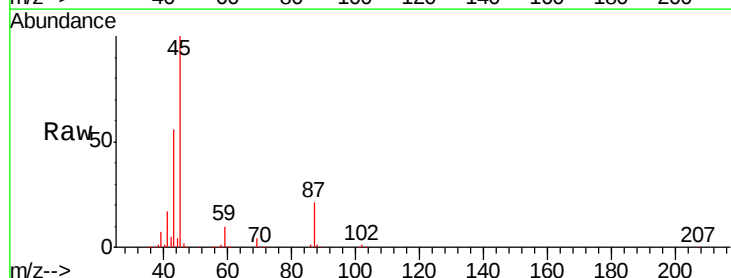
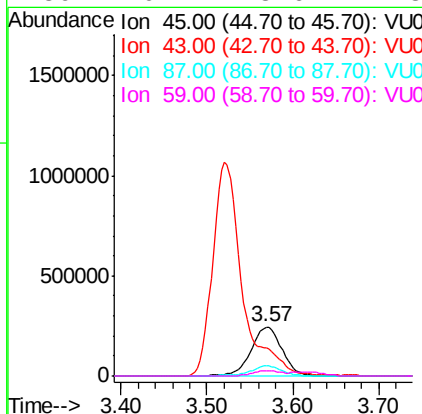
RT: 3.57 min Scan# 745

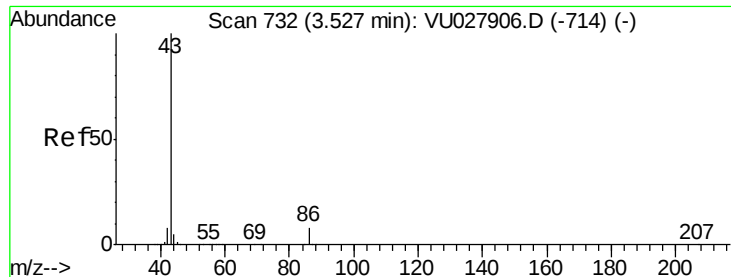
Delta R.T. -0.01 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 613879 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 55.3  | 45.0  | 67.6   |
| 87       | 20.7  | 17.9  | 26.9   |
| 59       | 10.4  | 8.6   | 12.8   |





#23

Vinyl Acetate

Concen: 288.14 ug/l

RT: 3.52 min Scan# 730

Delta R.T. -0.01 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 2558268

Ion Ratio Lower Upper

43 100

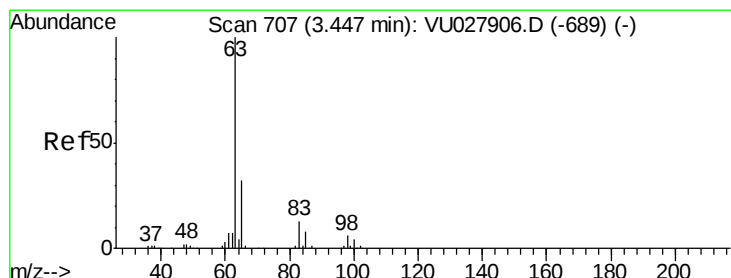
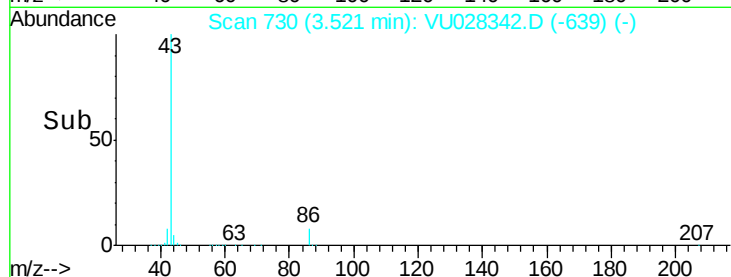
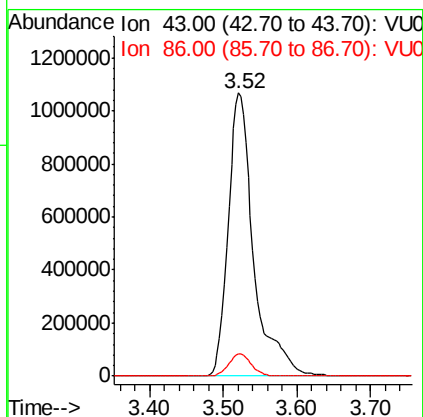
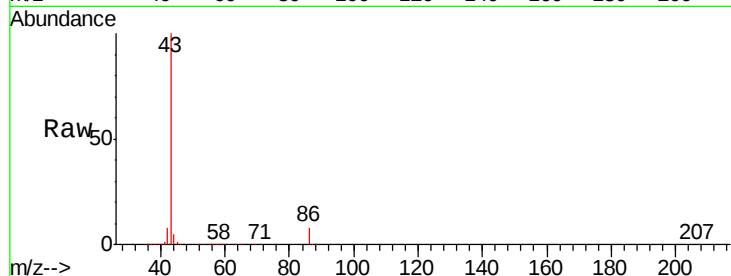
86 7.7 6.6 9.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 58.59 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

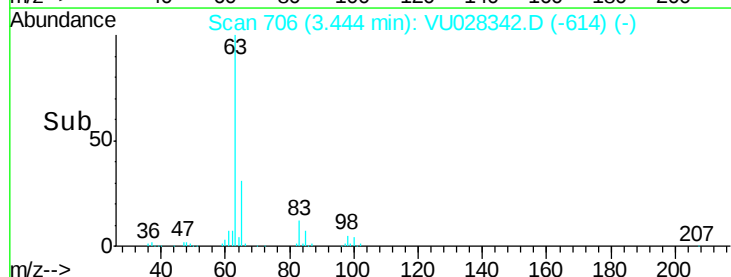
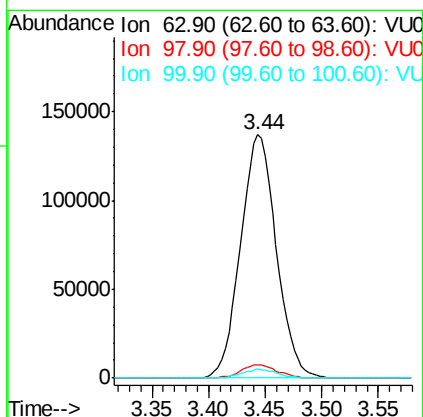
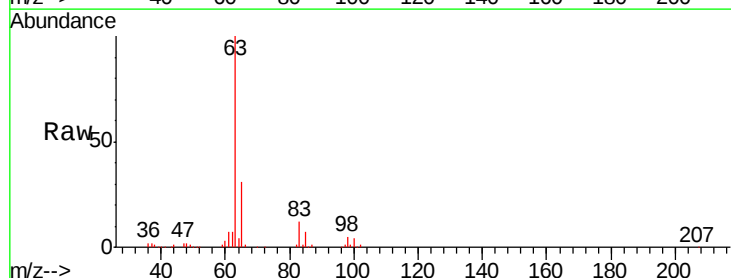
Tgt Ion: 63 Resp: 301506

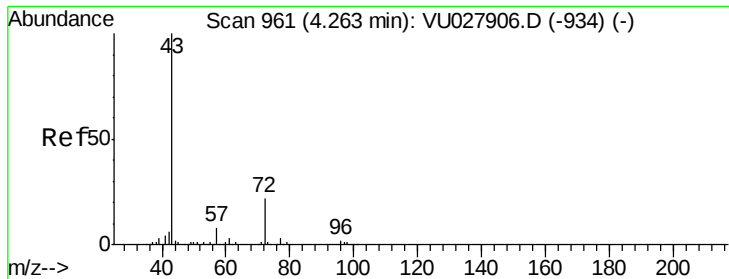
Ion Ratio Lower Upper

63 100

98 5.3 2.9 8.6

100 3.6 2.0 6.0





#25

2-Butanone

Concen: 320.03 ug/l

RT: 4.26 min Scan# 959

Delta R.T. -0.01 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 917477

Ion Ratio Lower Upper

43 100

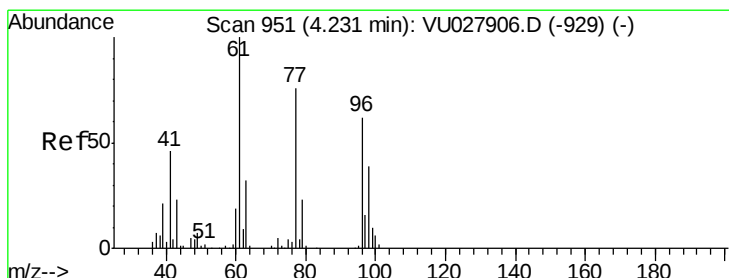
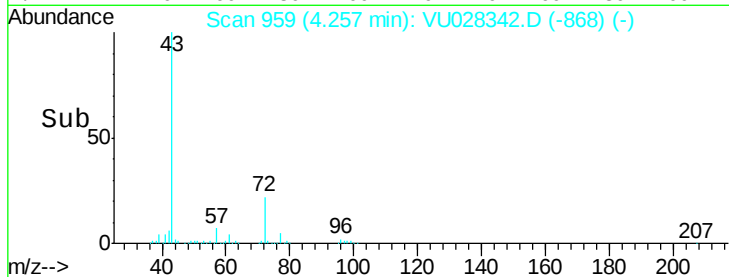
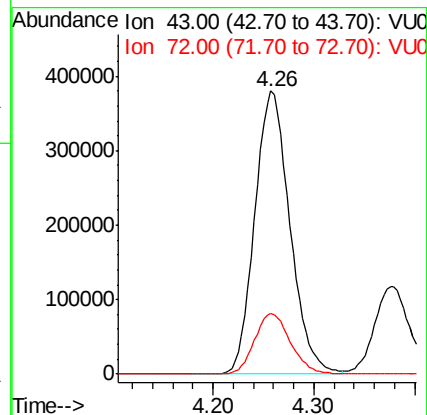
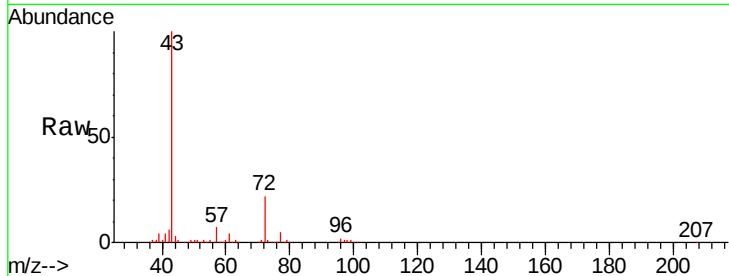
72 21.6 17.7 26.5

Manual Integrations

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sam

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#26

2,2-Dichloropropane

Concen: 63.08 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.01 min

Lab File: VU028342.D

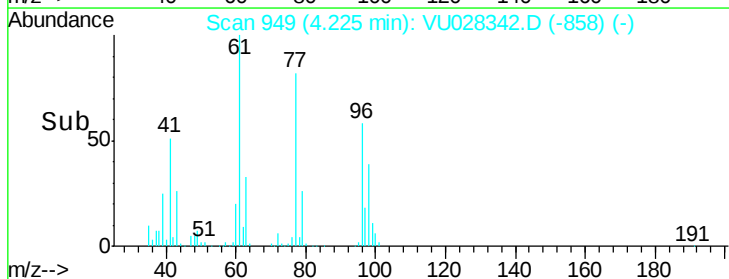
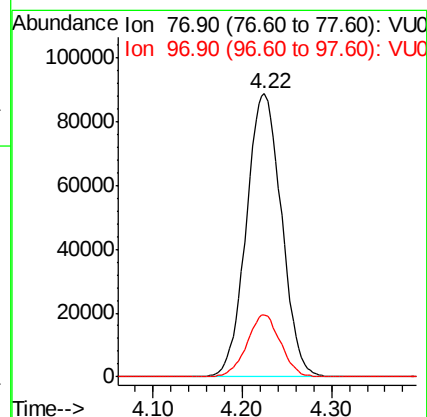
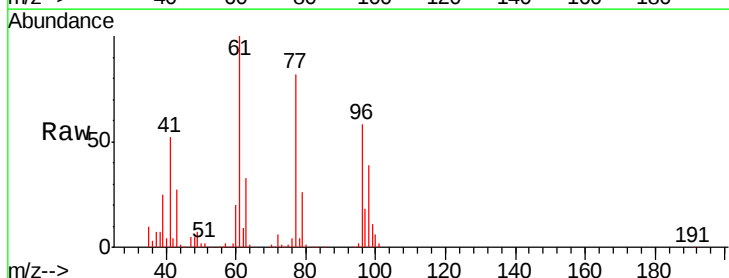
Acq: 27 Nov 2018 17:41

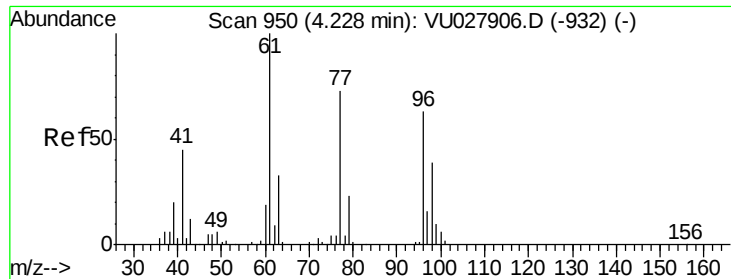
Tgt Ion: 77 Resp: 243604

Ion Ratio Lower Upper

77 100

97 21.0 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 57.88 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.01 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

Instrument :

MSVOA\_U

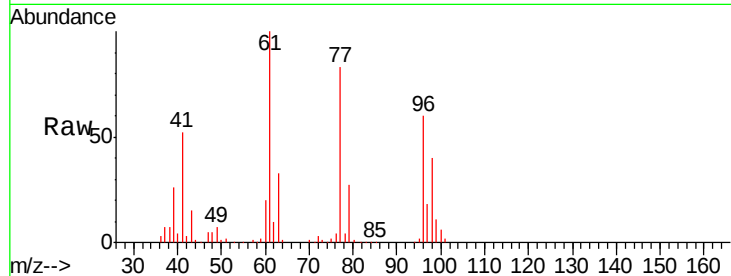
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 153350 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 172.6 | 0.0   | 329.6  |
| 98       | 64.7  | 0.0   | 127.2  |

Manual Integrations  
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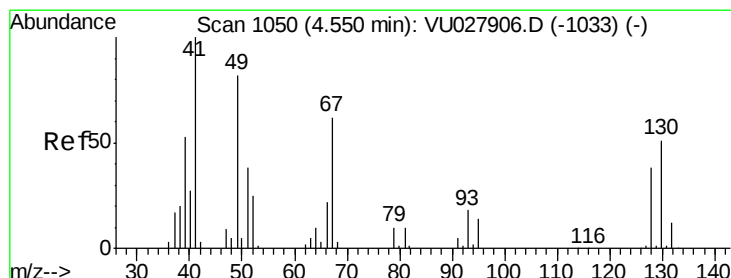
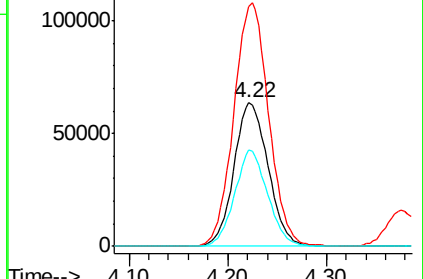
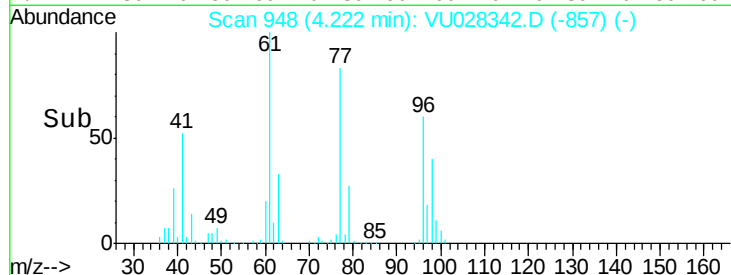


Abundance Ion 95.90 (95.60 to 96.60): VU027906.D (-932) (-)

Ion 60.90 (60.60 to 61.60): VU027906.D (-932) (-)

Ion 97.90 (97.60 to 98.60): VU027906.D (-932) (-)

Time-->



#28

Bromochloromethane

Concen: 63.50 ug/l

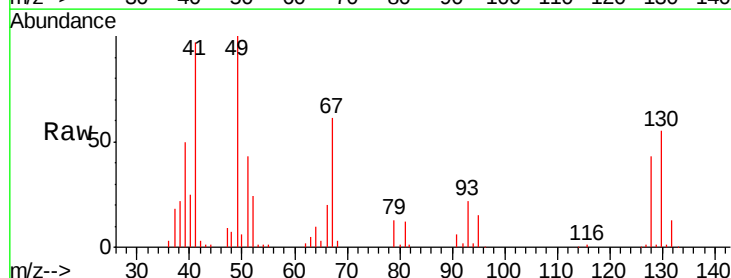
RT: 4.55 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 153184 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 0.8   | 0.0   | 3.0    |
| 130      | 55.2  | 47.8  | 71.6   |

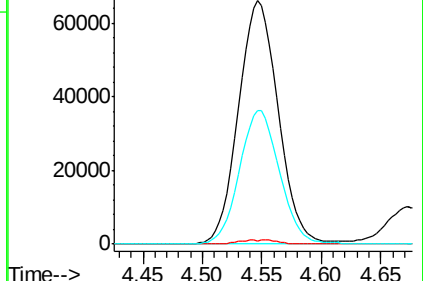
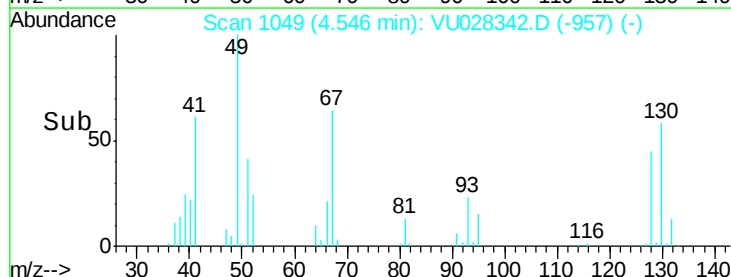


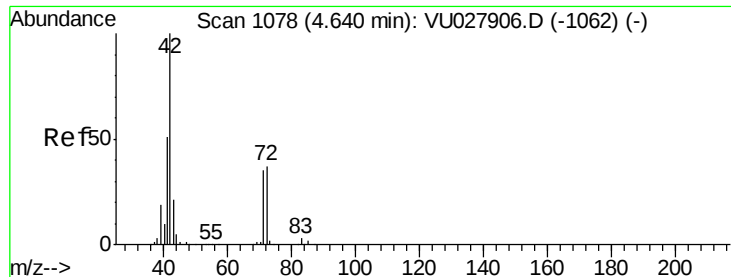
Abundance Ion 48.90 (48.60 to 49.60): VU027906.D (-1033) (-)

Ion 128.80 (128.50 to 129.50): VU027906.D (-1033) (-)

Ion 129.80 (129.50 to 130.50): VU027906.D (-1033) (-)

Time-->





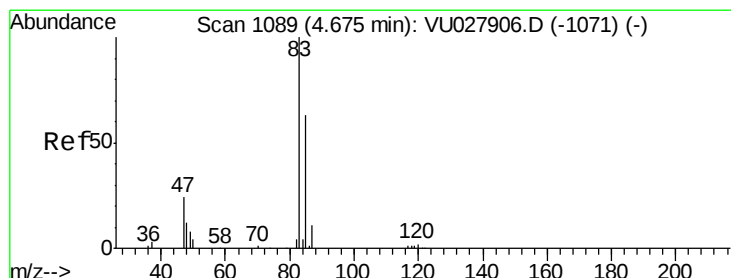
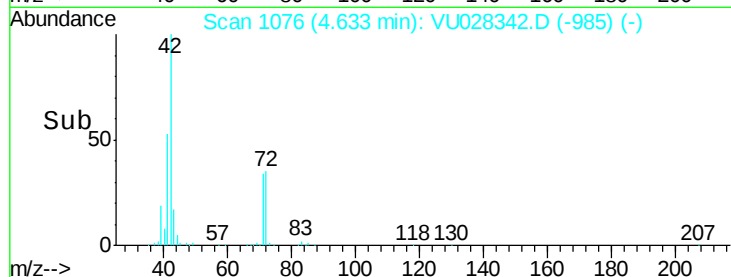
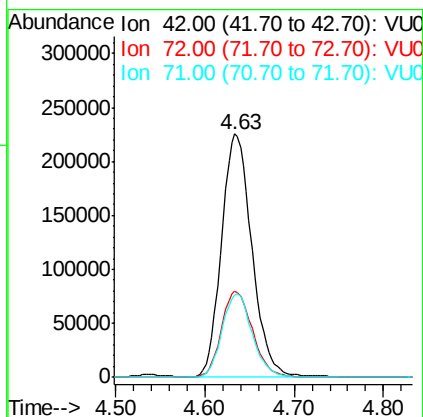
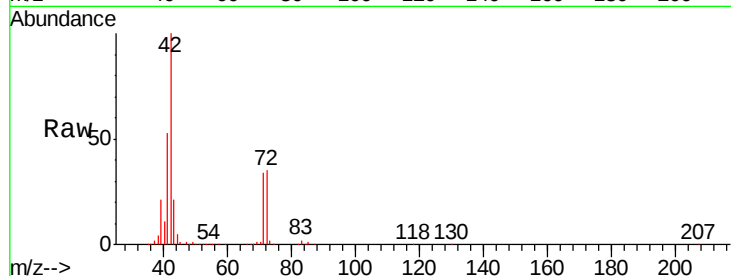
#29  
Tetrahydrofuran  
Concen: 277.81 ug/l  
RT: 4.63 min Scan# 1076  
Delta R.T. -0.01 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 36.3  | 29.4  | 44.0  |
| 71      | 34.2  | 27.9  | 41.9  |

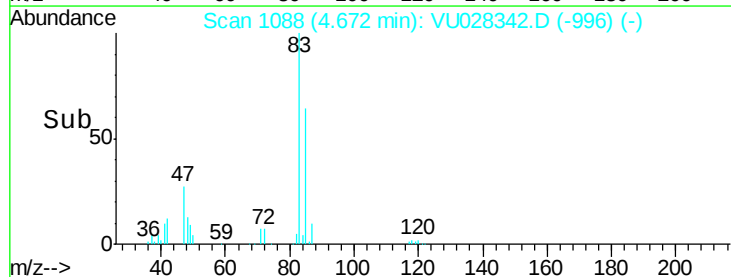
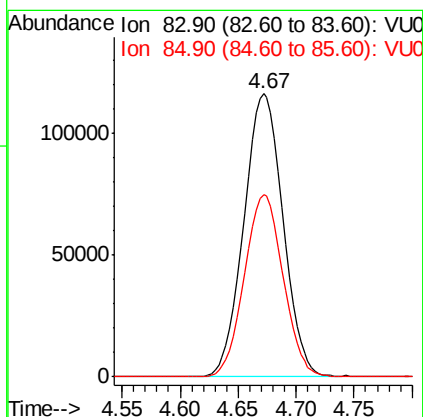
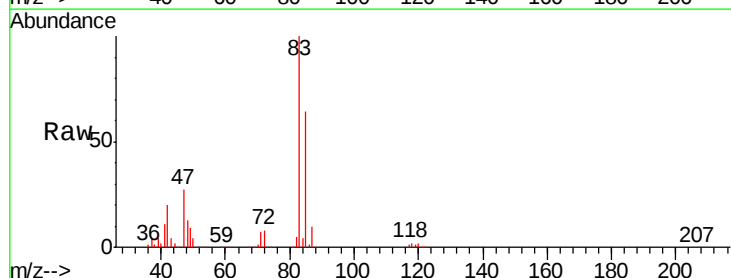
Manual Integrations  
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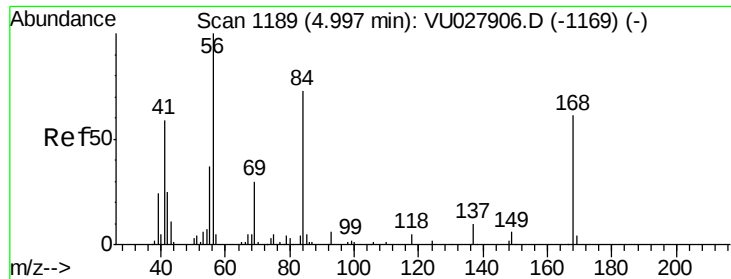
sam  
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#30  
Chloroform  
Concen: 58.01 ug/l  
RT: 4.67 min Scan# 1088  
Delta R.T. -0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.5  | 50.6  | 76.0  |





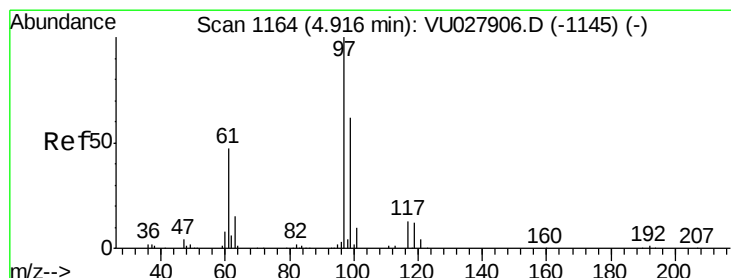
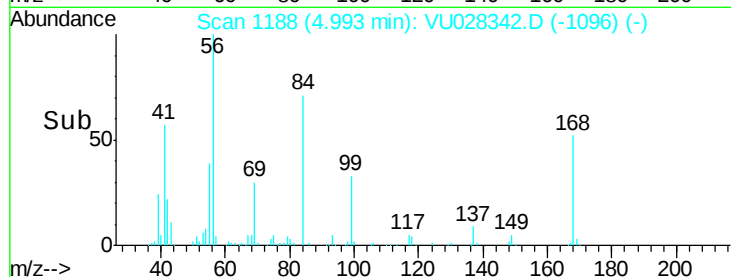
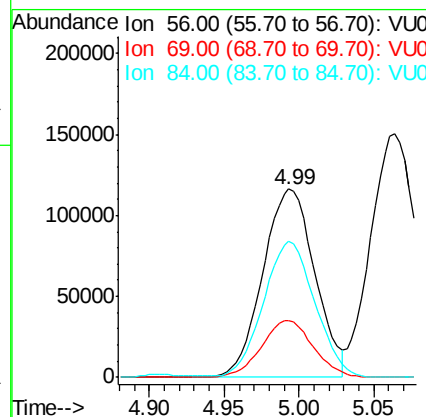
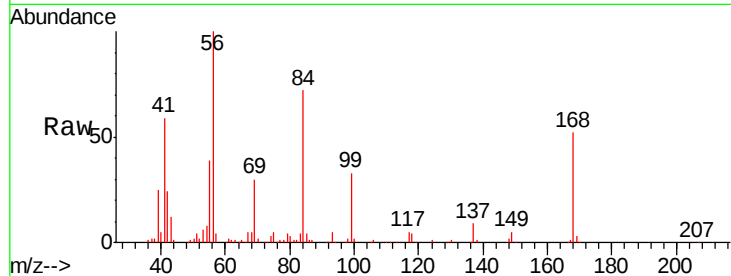
#31  
Cyclohexane  
Concen: 55.85 ug/l  
RT: 4.99 min Scan# 1188  
Delta R.T. -0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 30.2  | 23.7  | 35.5  |
| 84      | 71.1  | 58.2  | 87.4  |

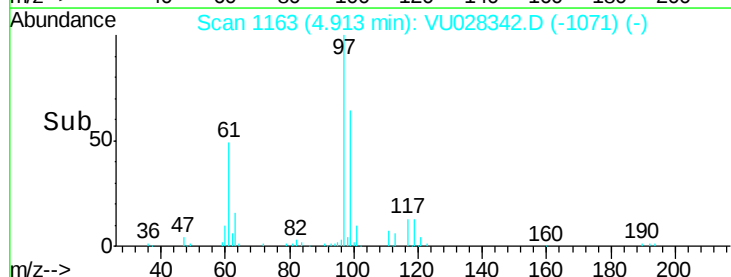
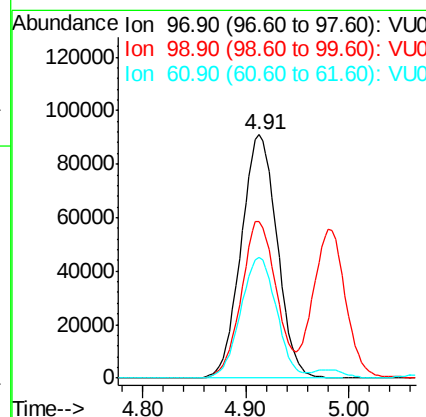
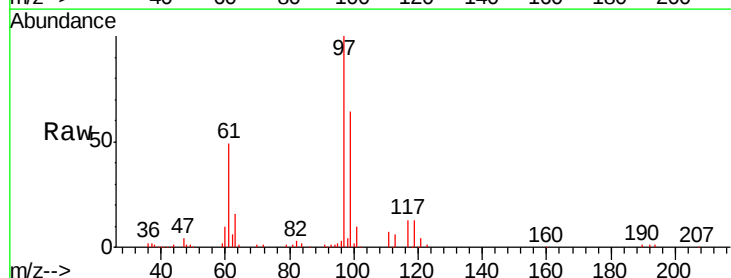
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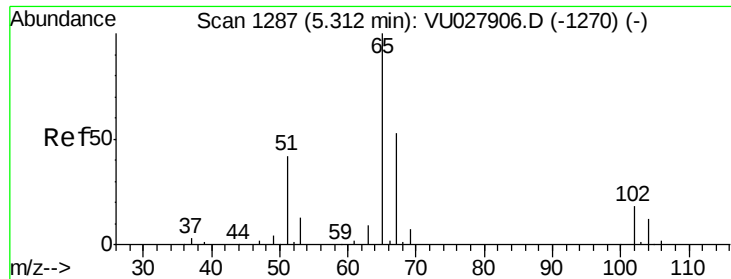
sam  
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#32  
1,1,1-Trichloroethane  
Concen: 58.71 ug/l  
RT: 4.91 min Scan# 1163  
Delta R.T. -0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.2  | 50.5  | 75.7  |
| 61      | 49.5  | 38.3  | 57.5  |





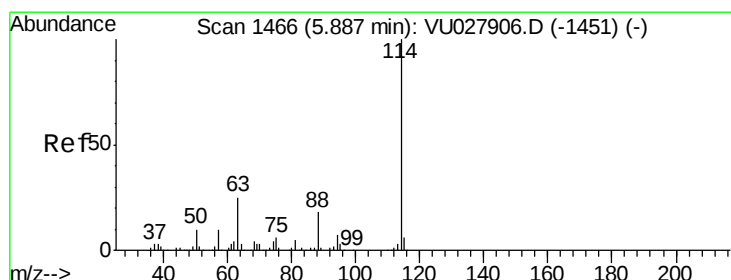
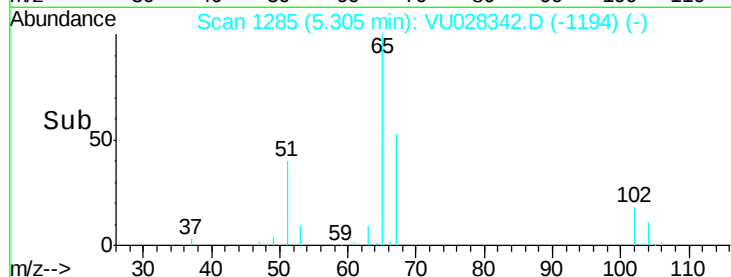
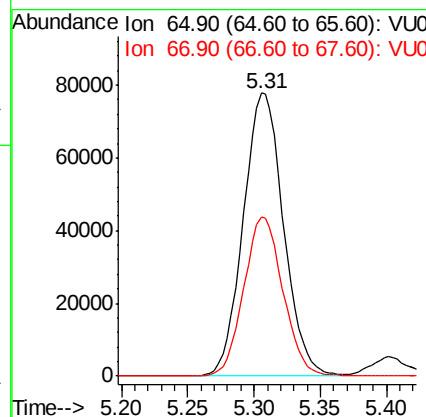
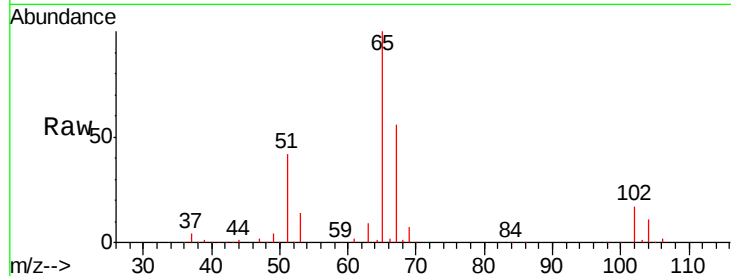
#33  
 1,2-Dichloroethane-d4  
 Concen: 56.64 ug/l  
 RT: 5.31 min Scan# 1285  
 Delta R.T. -0.01 min  
 Lab File: VU028342.D  
 Acq: 27 Nov 2018 17:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

Tgt Ion: 65 Resp: 164501  
 Ion Ratio Lower Upper  
 65 100  
 67 54.5 0.0 109.0

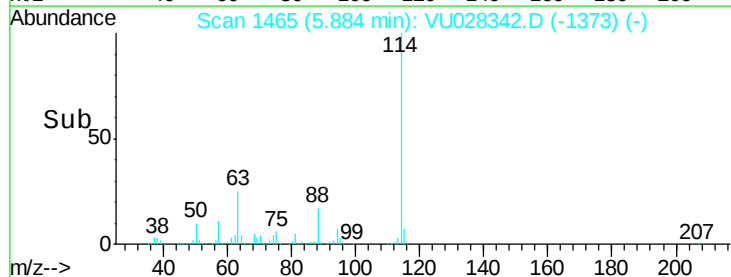
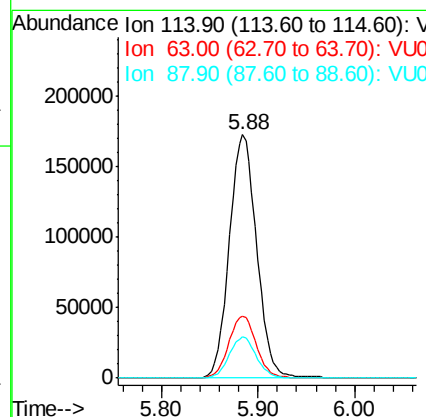
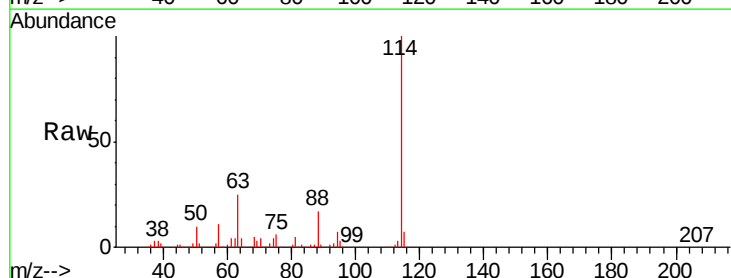
Manual Integrations  
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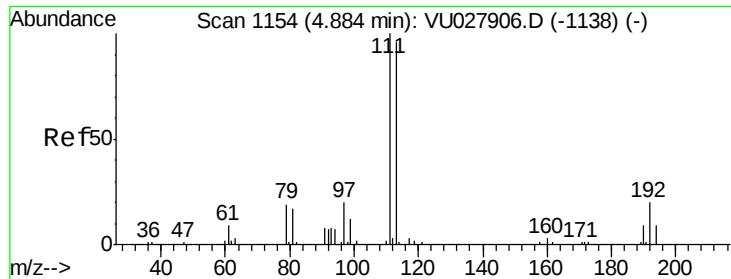
sam  
 11/28/2018 5:25:02 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.88 min Scan# 1465  
 Delta R.T. -0.00 min  
 Lab File: VU028342.D  
 Acq: 27 Nov 2018 17:41

Tgt Ion: 114 Resp: 340023  
 Ion Ratio Lower Upper  
 114 100  
 63 25.4 0.0 50.8  
 88 16.9 0.0 35.8





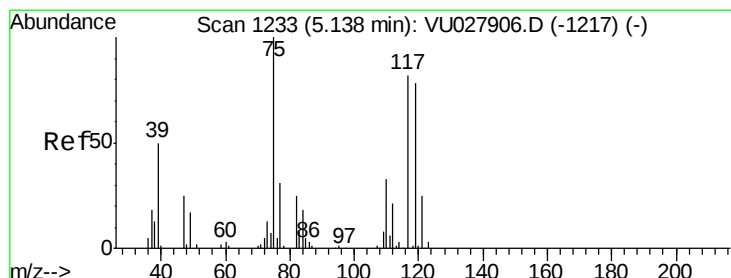
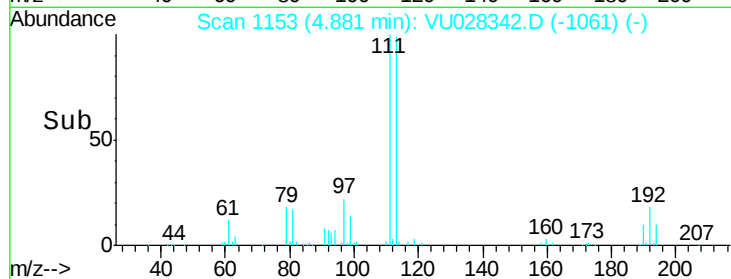
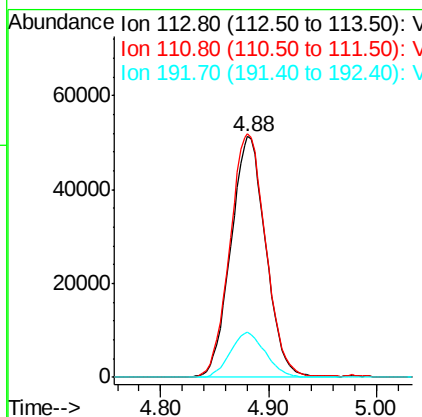
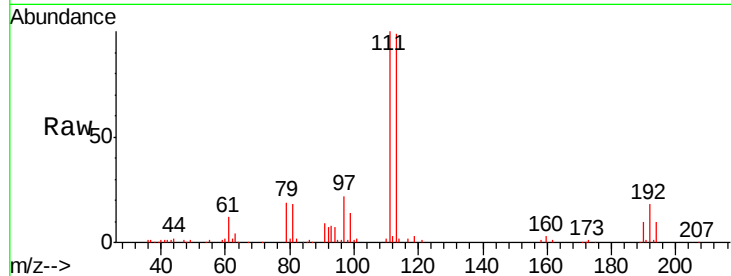
#35  
 Dibromofluoromethane  
 Concen: 53.86 ug/l  
 RT: 4.88 min Scan# 1153  
 Delta R.T. -0.00 min  
 Lab File: VU028342.D  
 Acq: 27 Nov 2018 17:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 115474 |       |       |
| 111     | 103.8 | 83.0   | 124.6 |       |
| 192     | 18.8  | 15.6   | 23.4  |       |

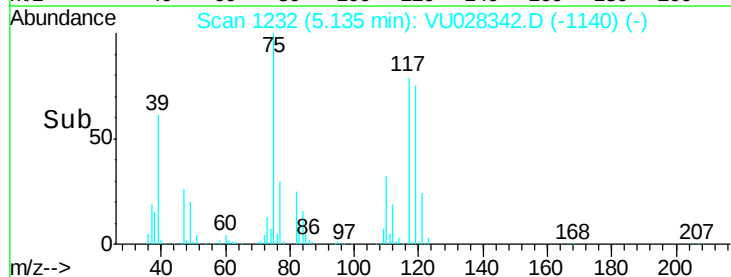
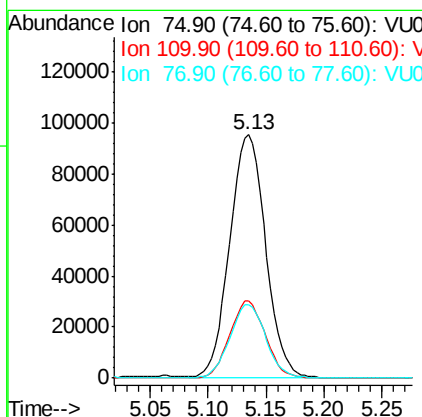
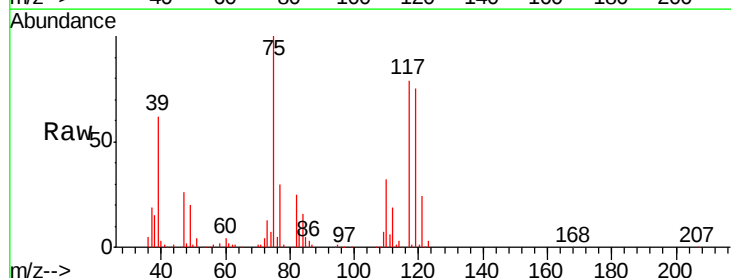
Manual Integrations  
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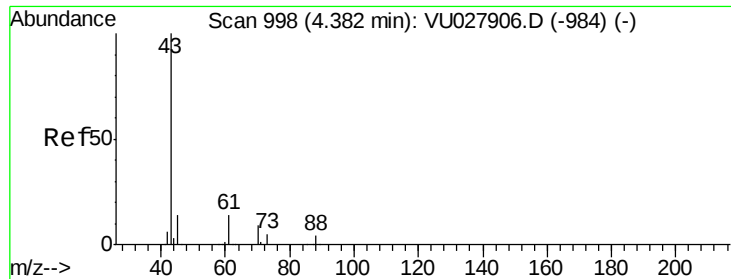
sam  
 11/28/2018 5:25:02 PM



#36  
 1,1-Dichloropropene  
 Concen: 57.22 ug/l  
 RT: 5.13 min Scan# 1232  
 Delta R.T. -0.00 min  
 Lab File: VU028342.D  
 Acq: 27 Nov 2018 17:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 203761 |       |       |
| 110     | 31.5  | 16.5   | 49.5  |       |
| 77      | 30.7  | 24.9   | 37.3  |       |





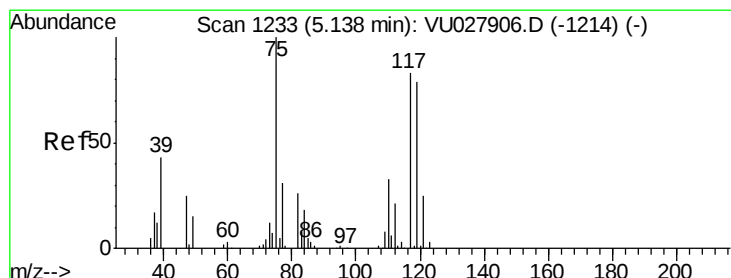
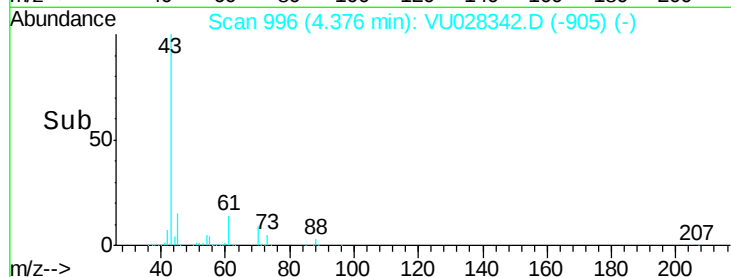
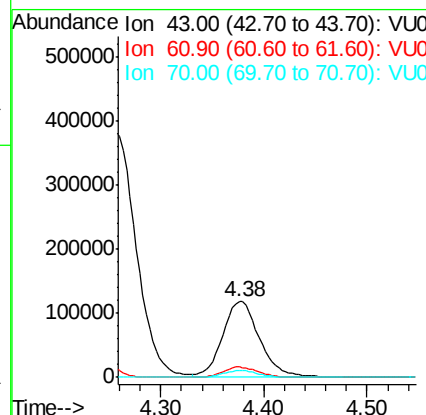
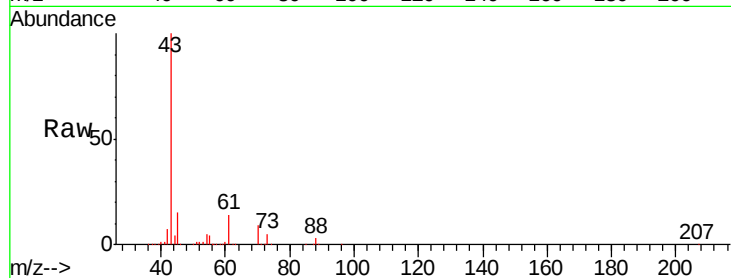
#37  
Ethyl Acetate  
Concen: 55.60 ug/l  
RT: 4.38 min Scan# 996  
Delta R.T. -0.01 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 12.8  | 10.3  | 15.5  |
| 70      | 8.6   | 7.0   | 10.6  |

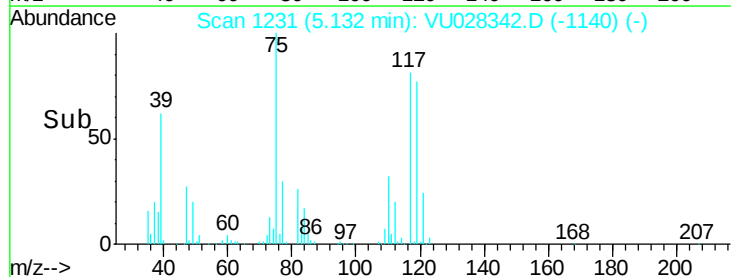
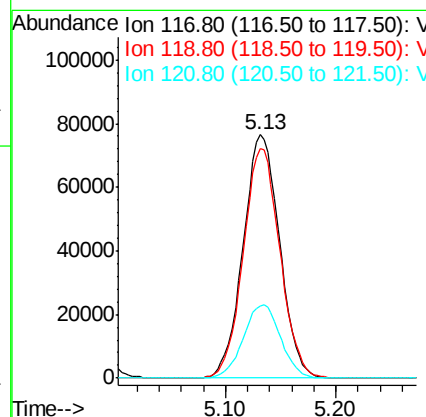
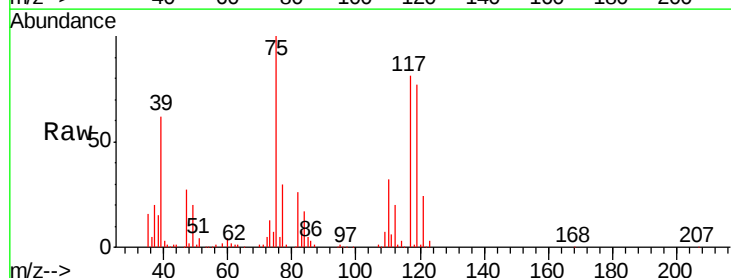
Manual Integrations  
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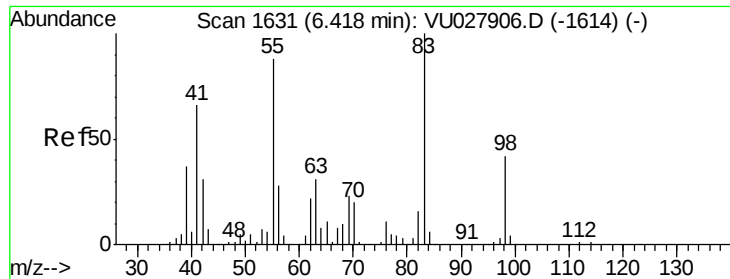
sam  
11/28/2018 5:25:02 PM



#38  
Carbon Tetrachloride  
Concen: 55.52 ug/l  
RT: 5.13 min Scan# 1231  
Delta R.T. -0.01 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.0  | 76.0  | 114.0 |
| 121     | 29.7  | 24.5  | 36.7  |





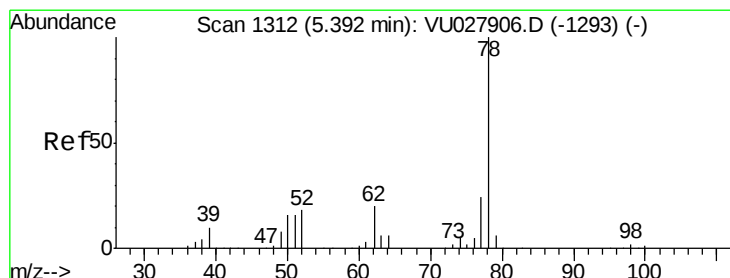
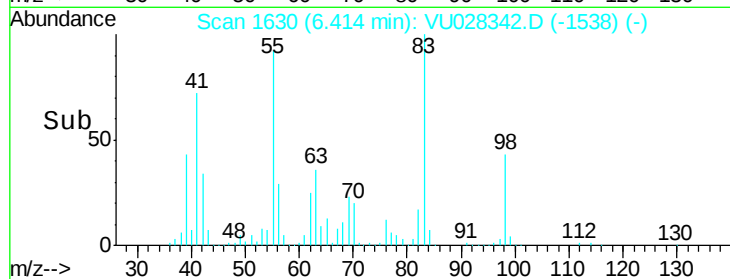
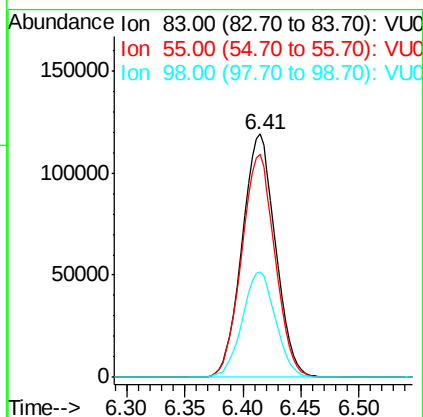
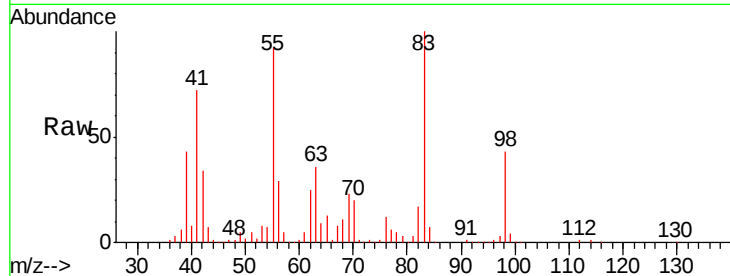
#39  
Methylcyclohexane  
Concen: 55.68 ug/l  
RT: 6.41 min Scan# 1630  
Delta R.T. -0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 91.5  | 70.3  | 105.5 |
| 98      | 43.3  | 34.0  | 51.0  |

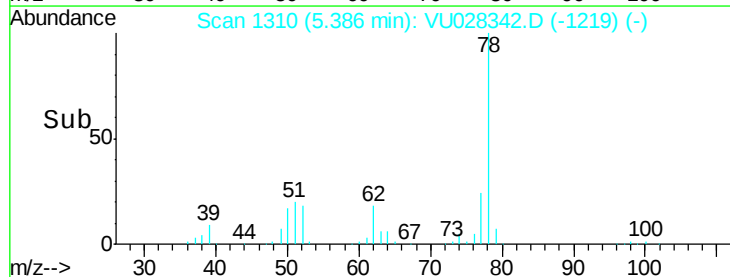
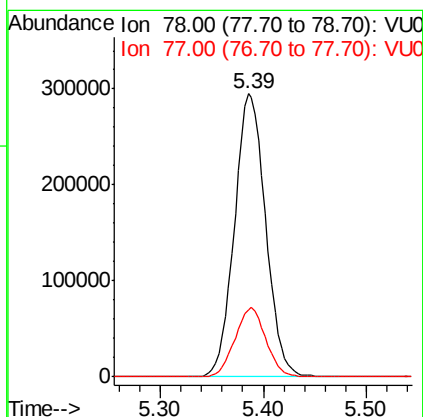
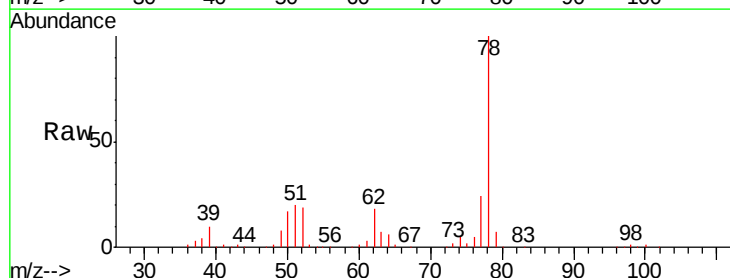
Manual Integrations  
APPROVED

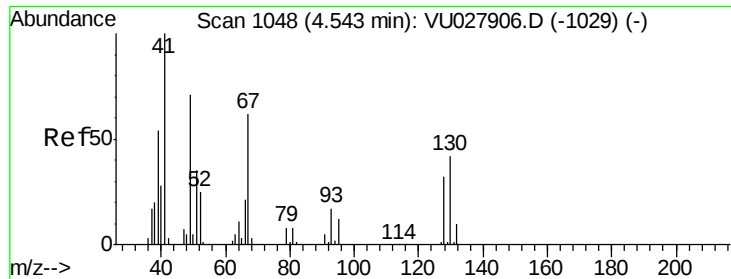
sam  
11/28/2018 5:25:02 PM



#40  
Benzene  
Concen: 57.07 ug/l  
RT: 5.39 min Scan# 1310  
Delta R.T. -0.01 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.9  | 19.3  | 28.9  |





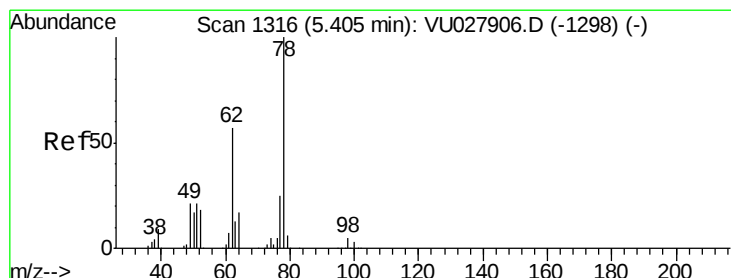
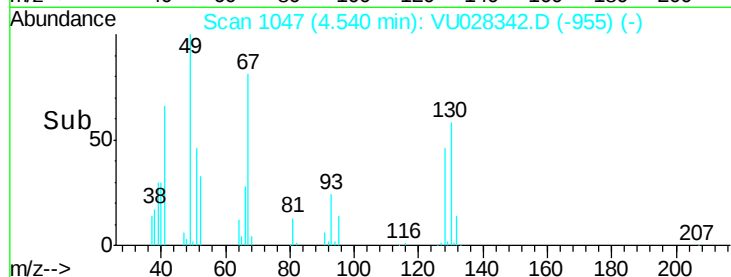
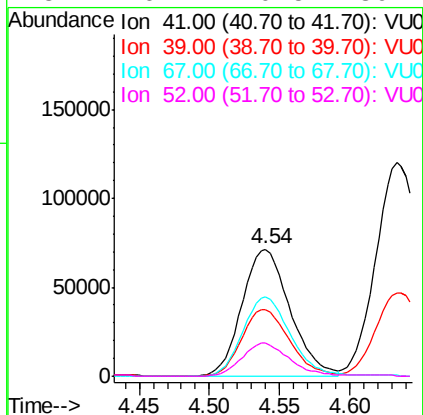
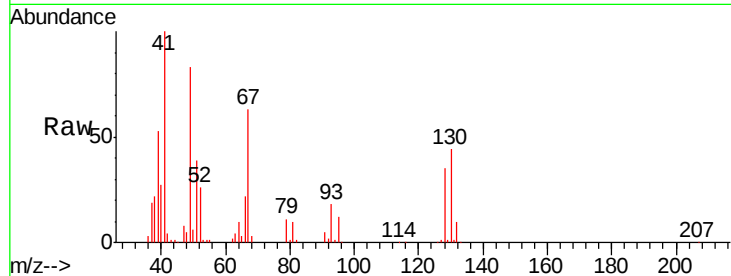
#41  
Methacrylonitrile  
Concen: 61.29 ug/l  
RT: 4.54 min Scan# 1047  
Delta R.T. -0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 52.3  | 42.2  | 63.4  |
| 67      | 62.4  | 49.5  | 74.3  |
| 52      | 26.4  | 20.5  | 30.7  |

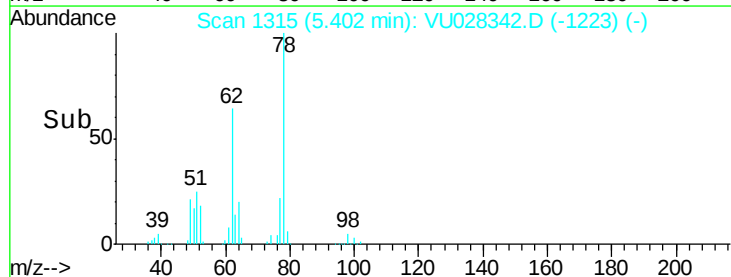
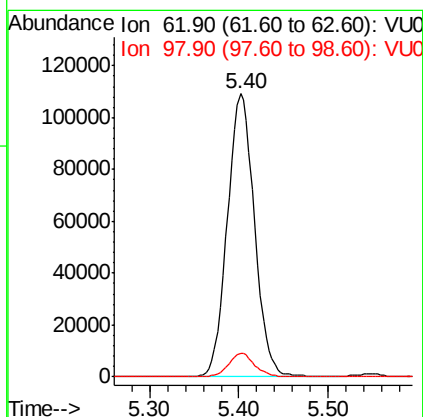
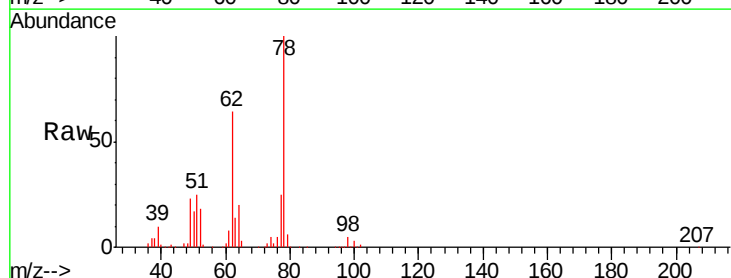
Manual Integrations  
APPROVED

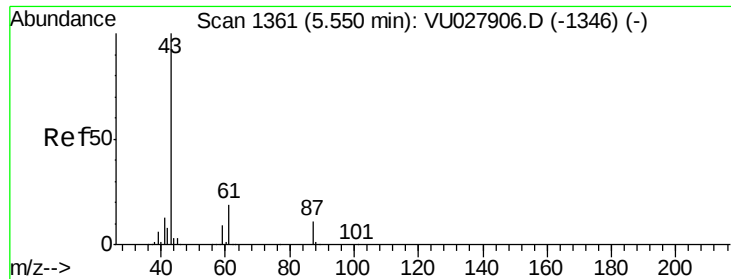
sam  
11/28/2018 5:25:02 PM



#42  
1,2-Dichloroethane  
Concen: 59.41 ug/l  
RT: 5.40 min Scan# 1315  
Delta R.T. -0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 8.0   | 0.0   | 17.2  |





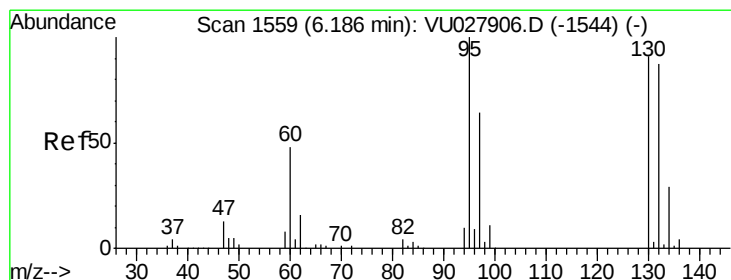
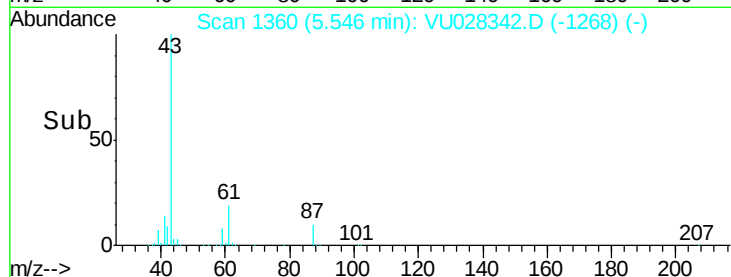
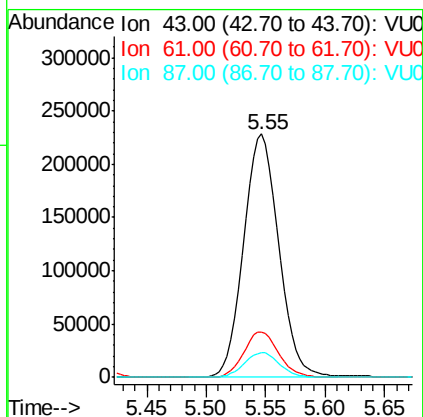
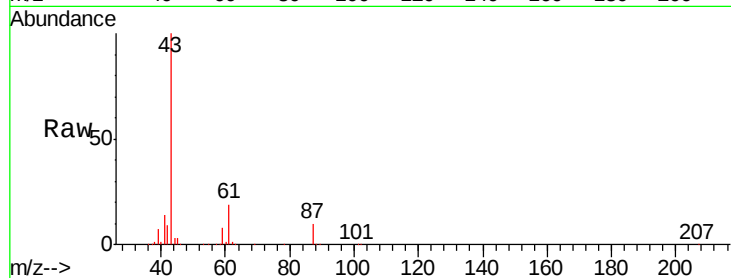
#43  
Isopropyl Acetate  
Concen: 57.01 ug/l  
RT: 5.55 min Scan# 1360  
Delta R.T. -0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 18.8  | 15.0  | 22.4  |
| 87      | 10.3  | 8.6   | 12.8  |

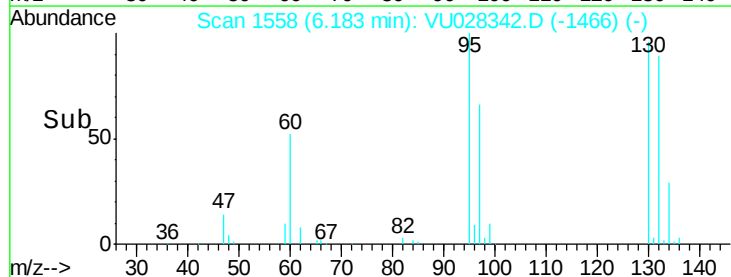
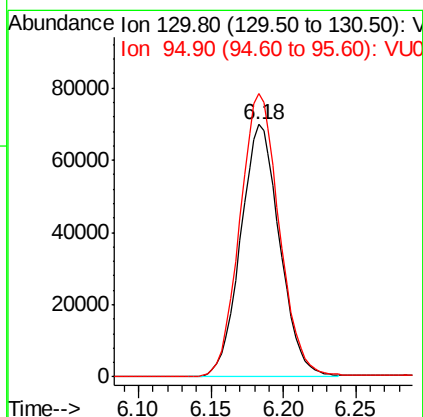
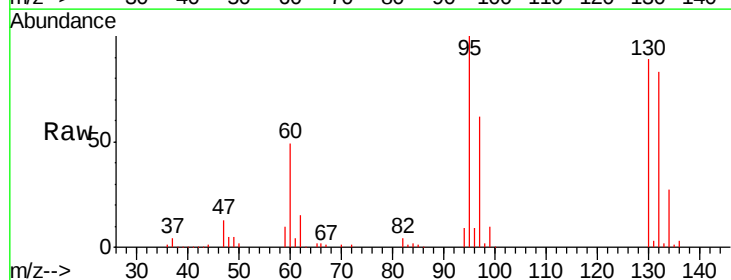
Manual Integrations  
APPROVED

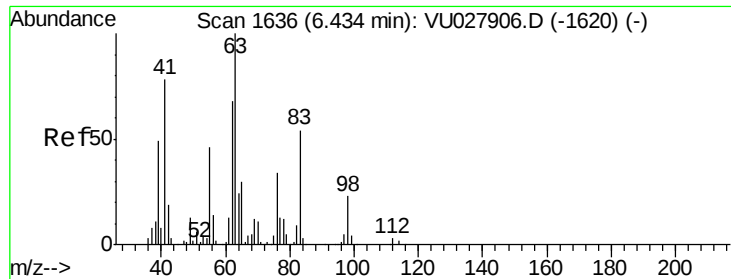
sam  
11/28/2018 5:25:02 PM



#44  
Trichloroethene  
Concen: 56.01 ug/l  
RT: 6.18 min Scan# 1558  
Delta R.T. -0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 112.2 | 0.0   | 219.2 |





#45

1,2-Dichloropropane

Concen: 59.36 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 186391

Ion Ratio Lower Upper

63 100

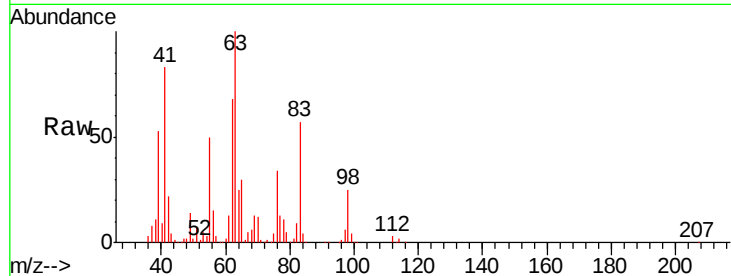
65 29.8 24.4 36.6

Manual Integrations

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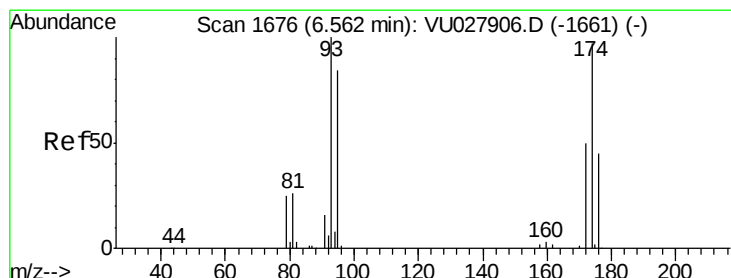
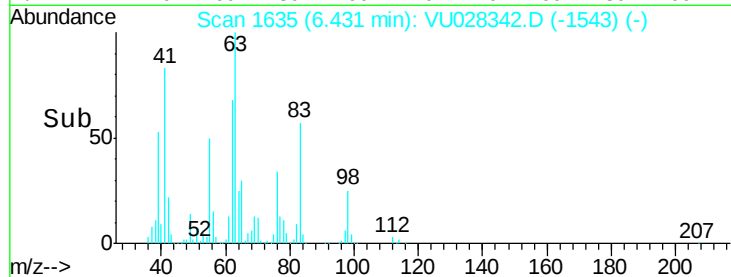
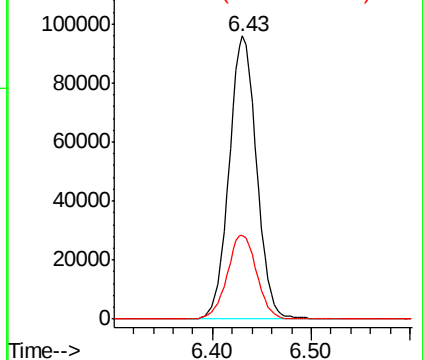
sam

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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: 58.20 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. -0.01 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

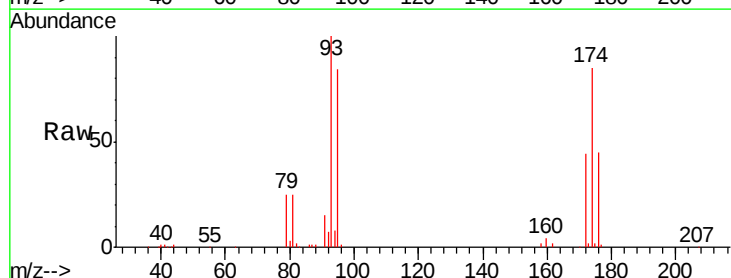
Tgt Ion: 93 Resp: 105043

Ion Ratio Lower Upper

93 100

95 84.3 68.5 102.7

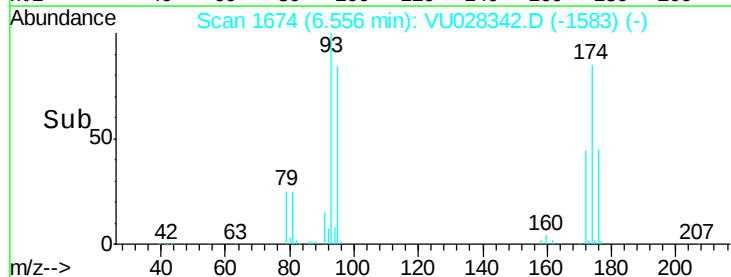
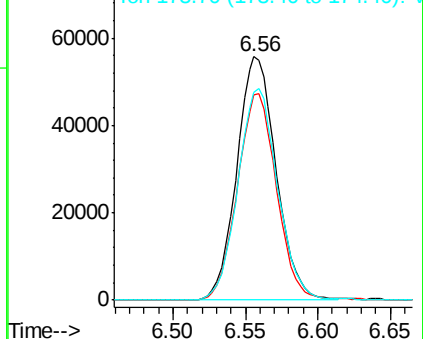
174 87.9 76.1 114.1

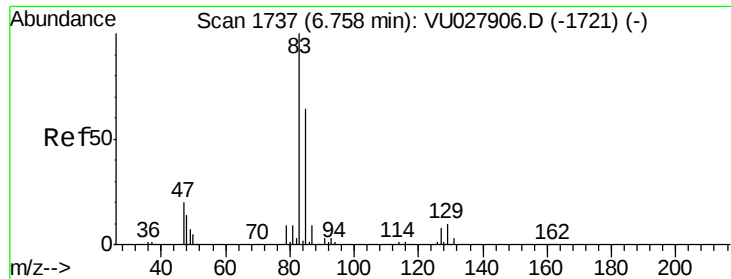


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 60.90 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

Instrument :

MSVOA\_U

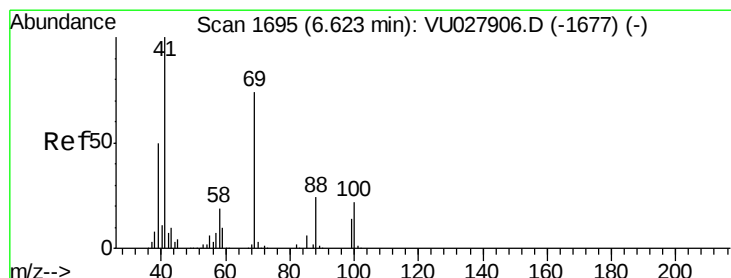
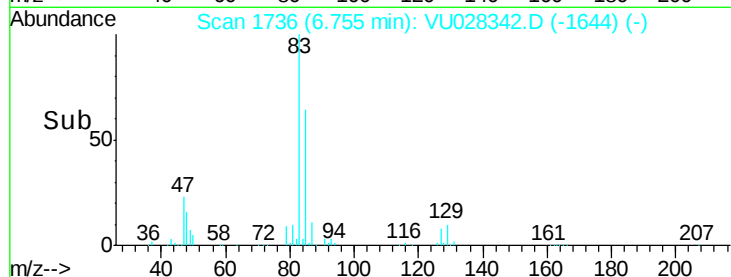
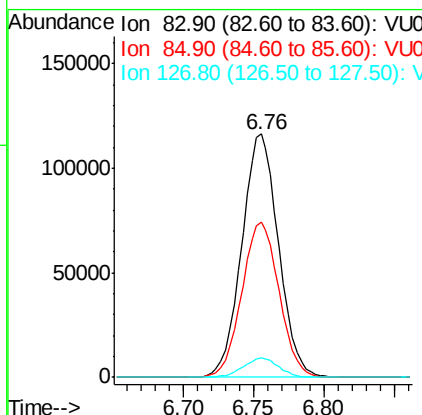
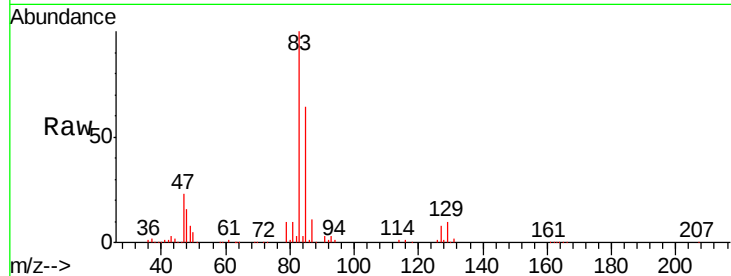
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 83    | Resp: | 211831 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 63.6  | 51.0  | 76.6   |
| 127       | 7.9   | 6.2   | 9.4    |

Manual Integrations  
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sam  
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#48

Methyl methacrylate

Concen: 59.99 ug/l

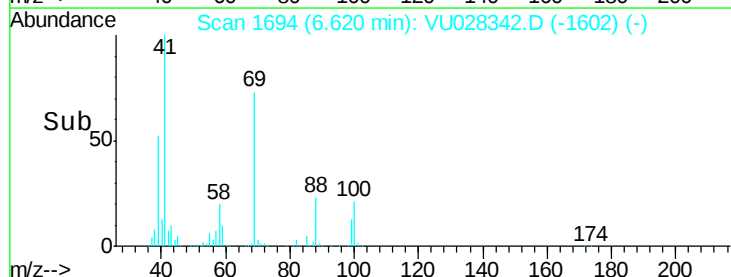
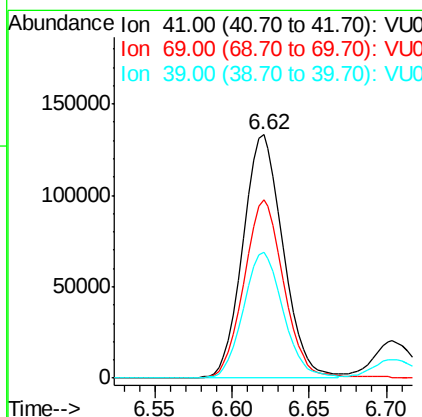
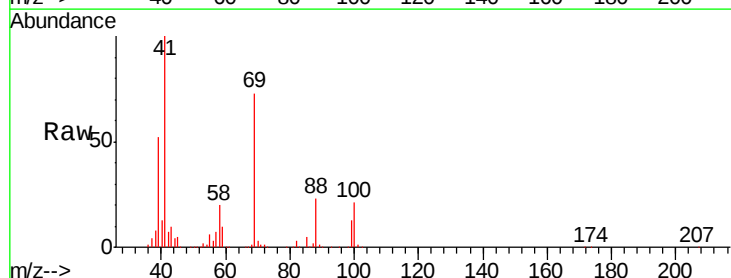
RT: 6.62 min Scan# 1694

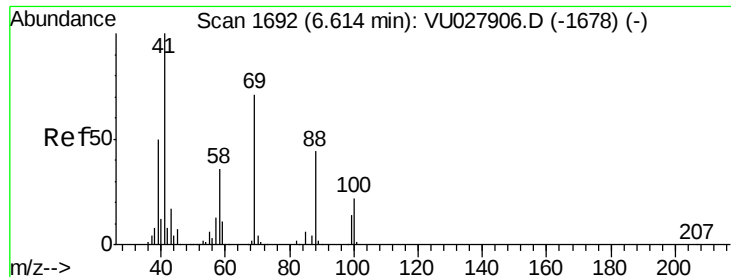
Delta R.T. -0.00 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 240323 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 73.3  | 59.8  | 89.8   |
| 39        | 51.3  | 40.0  | 60.0   |





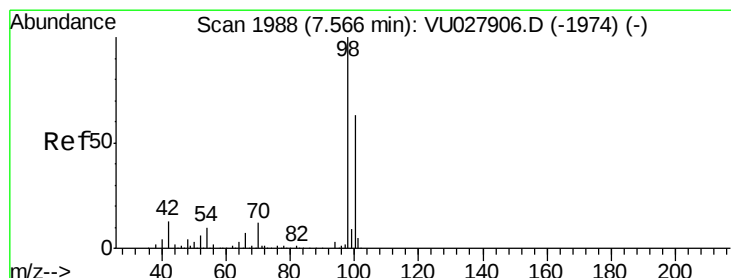
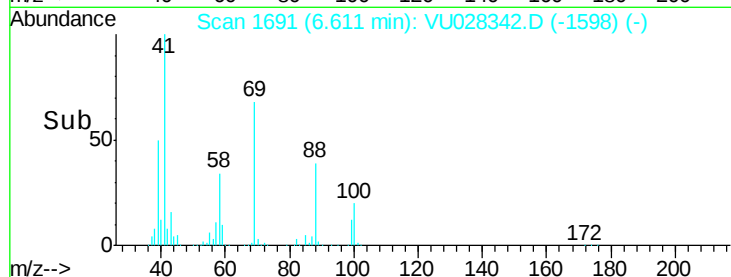
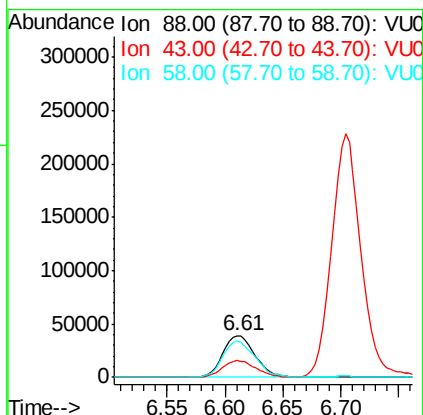
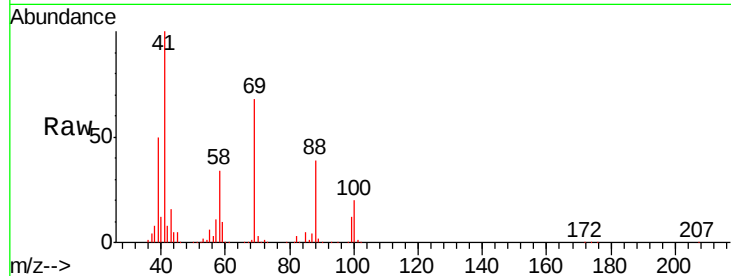
#49  
1,4-Dioxane  
Concen: 1144.87 ug/l  
RT: 6.61 min Scan# 1691  
Delta R.T. -0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 88 Resp: 74828  
Ion Ratio Lower Upper  
88 100  
43 41.4 30.5 45.7  
58 89.5 67.1 100.7

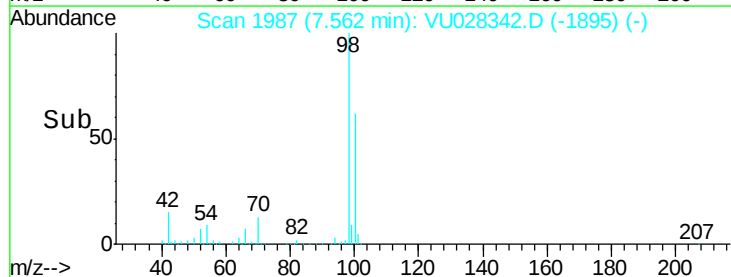
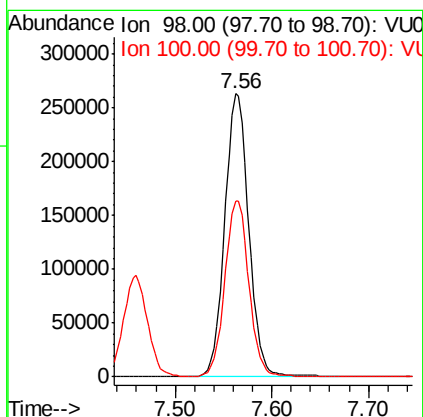
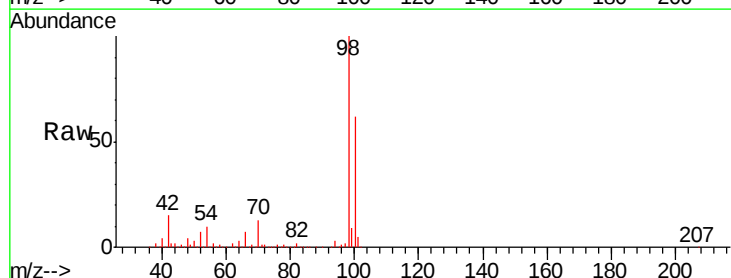
Manual Integrations  
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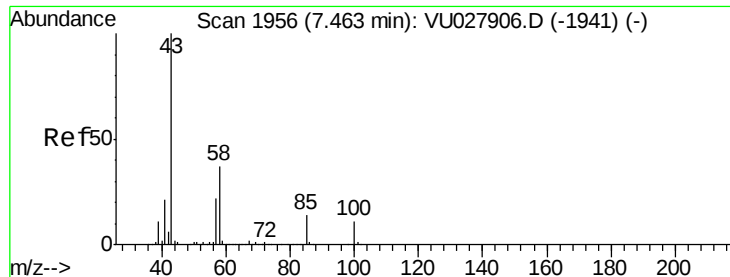
sam  
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#50  
Toluene-d8  
Concen: 54.88 ug/l  
RT: 7.56 min Scan# 1987  
Delta R.T. -0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

Tgt Ion: 98 Resp: 454536  
Ion Ratio Lower Upper  
98 100  
100 61.4 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 289.10 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1578326

Ion Ratio Lower Upper

43 100

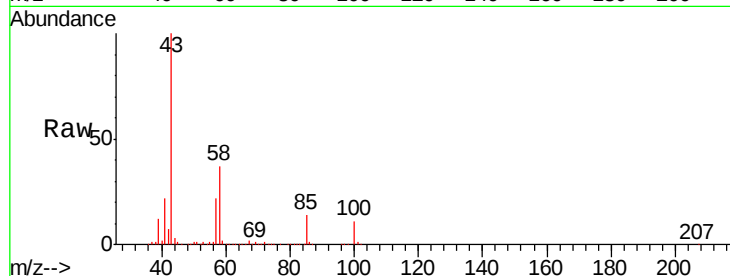
58 36.2 29.5 44.3

Manual Integrations

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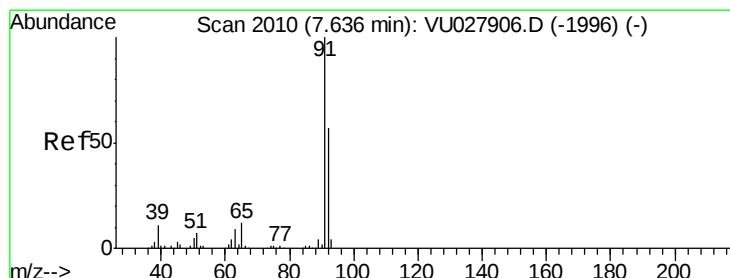
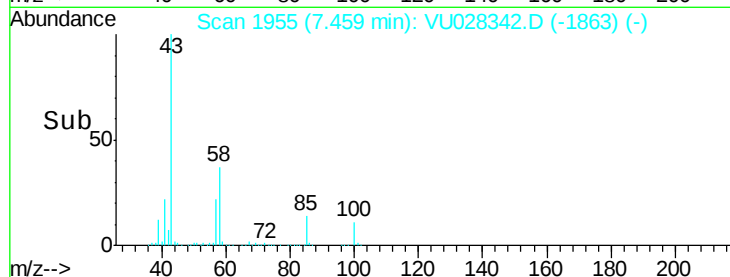
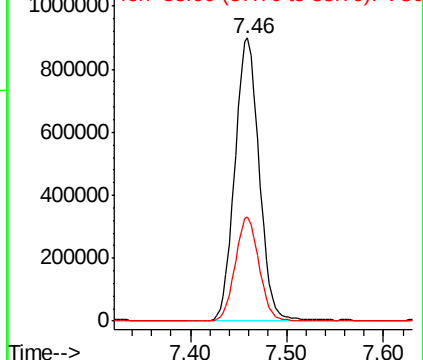
sam

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 56.85 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028342.D

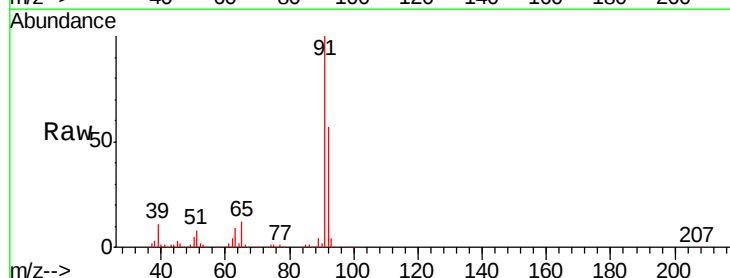
Acq: 27 Nov 2018 17:41

Tgt Ion: 92 Resp: 363881

Ion Ratio Lower Upper

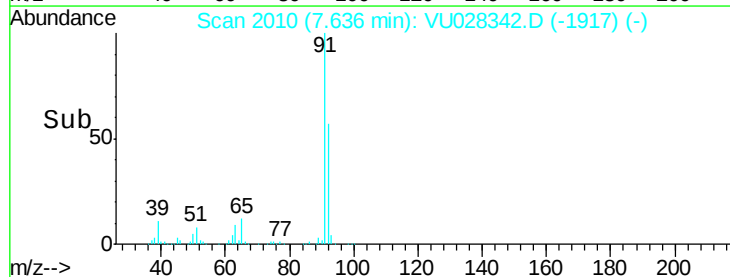
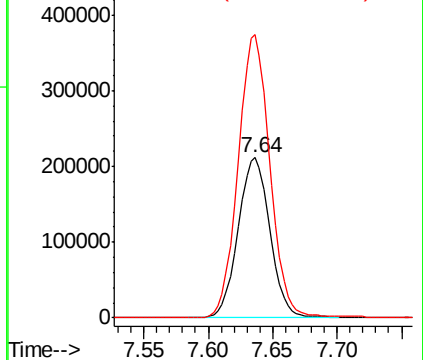
92 100

91 176.1 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





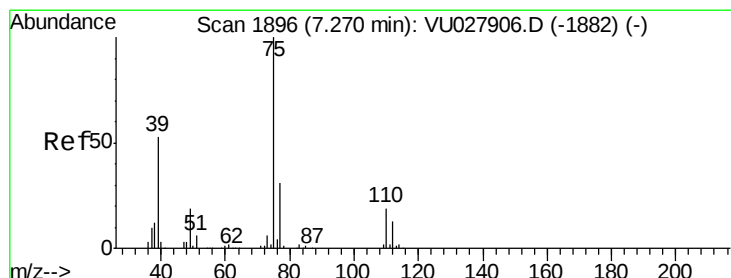
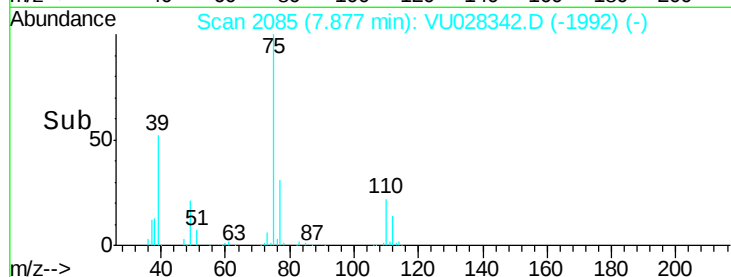
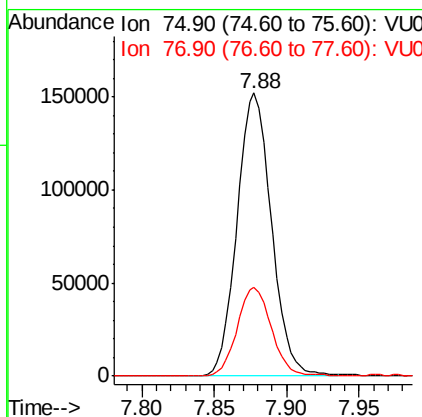
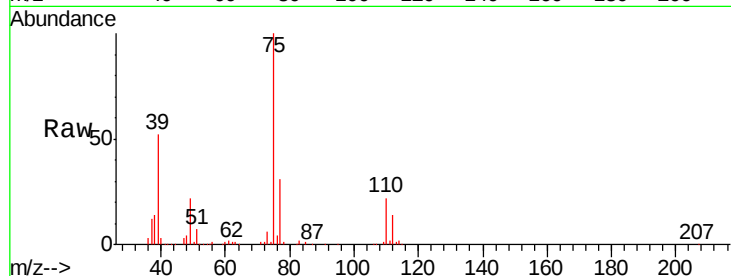
#53  
t-1,3-Dichloropropene  
Concen: 58.00 ug/l  
RT: 7.88 min Scan# 2085  
Delta R.T. -0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 75 Resp: 250964  
Ion Ratio Lower Upper  
75 100  
77 31.4 25.1 37.7

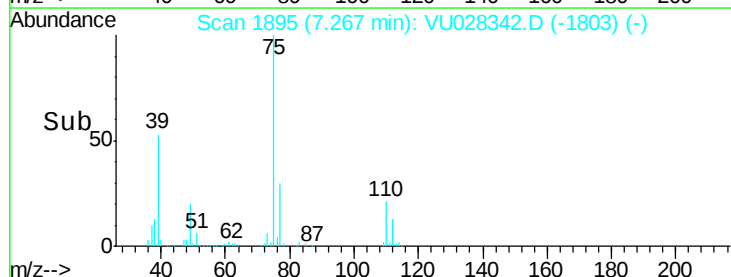
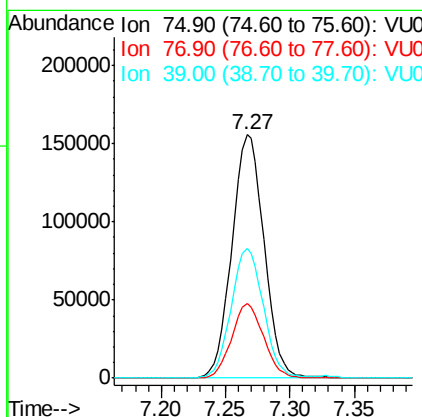
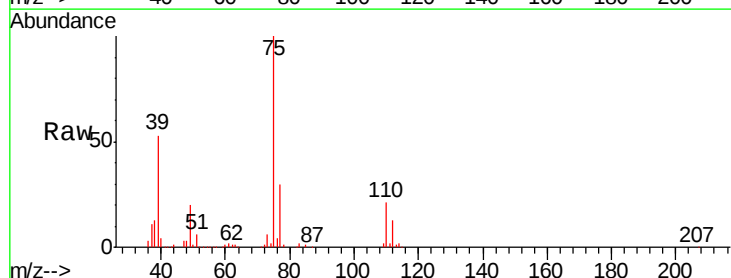
Manual Integrations  
APPROVED

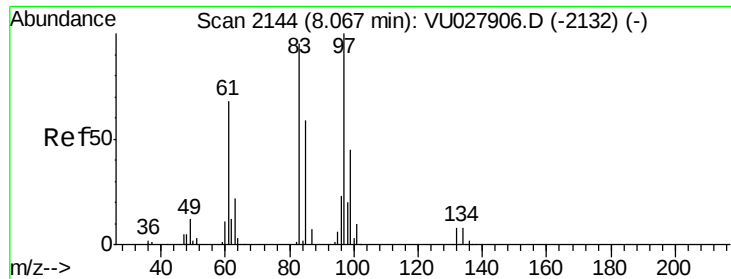
sam  
11/28/2018 5:25:02 PM



#54  
cis-1,3-Dichloropropene  
Concen: 62.94 ug/l  
RT: 7.27 min Scan# 1895  
Delta R.T. -0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

Tgt Ion: 75 Resp: 269894  
Ion Ratio Lower Upper  
75 100  
77 30.5 24.6 37.0  
39 53.1 42.6 64.0





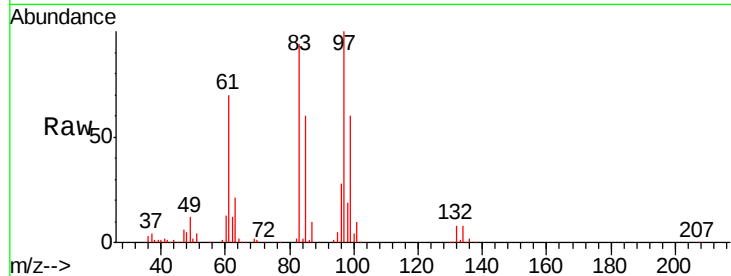
#55  
 1,1,2-Trichloroethane  
 Concen: 57.71 ug/l  
 RT: 8.06 min Scan# 2143  
 Delta R.T. -0.00 min  
 Lab File: VU028342.D  
 Acq: 27 Nov 2018 17:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 97      | 100   | 150290 |       |       |
| 83      | 94.1  | 76.1   | 114.1 |       |
| 85      | 59.5  | 48.9   | 73.3  |       |
| 99      | 60.1  | 52.0   | 78.0  |       |

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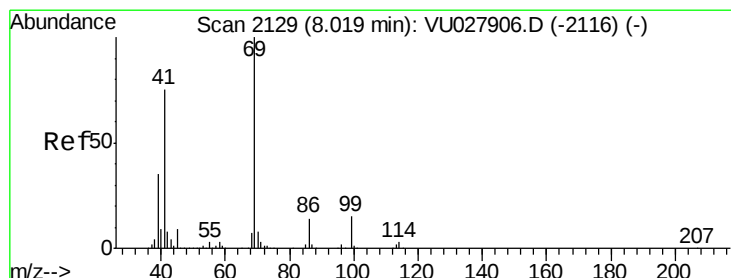
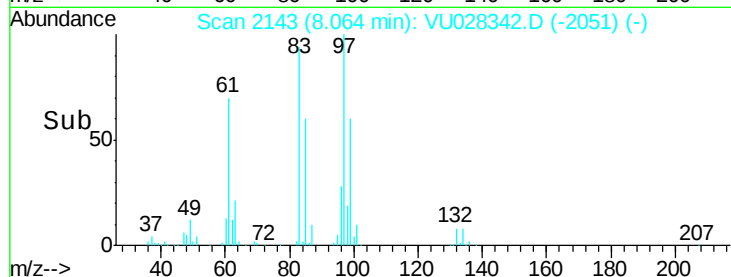
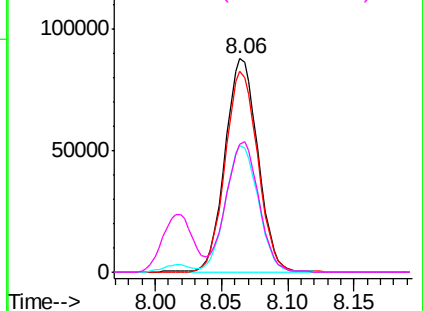


Abundance Ion 96.90 (96.60 to 97.60): VU028342.D (-2051) (-)

Ion 82.90 (82.60 to 83.60): VU028342.D (-2051) (-)

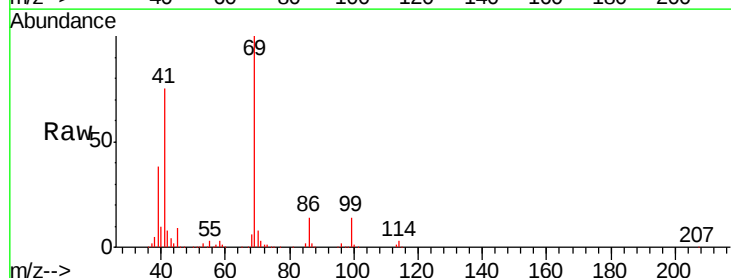
Ion 84.90 (84.60 to 85.60): VU028342.D (-2051) (-)

Ion 98.90 (98.60 to 99.60): VU028342.D (-2051) (-)



#56  
 Ethyl methacrylate  
 Concen: 57.47 ug/l  
 RT: 8.02 min Scan# 2128  
 Delta R.T. -0.00 min  
 Lab File: VU028342.D  
 Acq: 27 Nov 2018 17:41

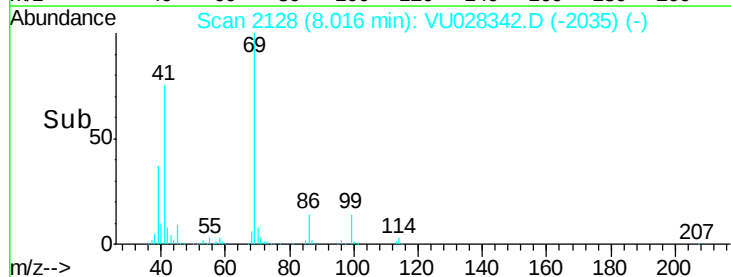
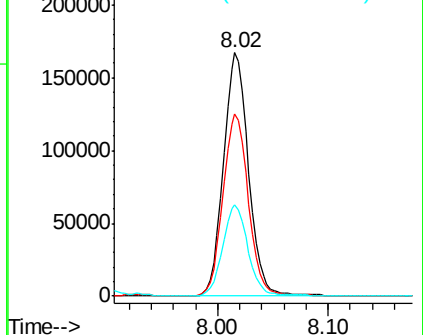
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 69      | 100   | 263909 |       |       |
| 41      | 76.0  | 59.8   | 89.6  |       |
| 39      | 37.5  | 28.6   | 42.8  |       |

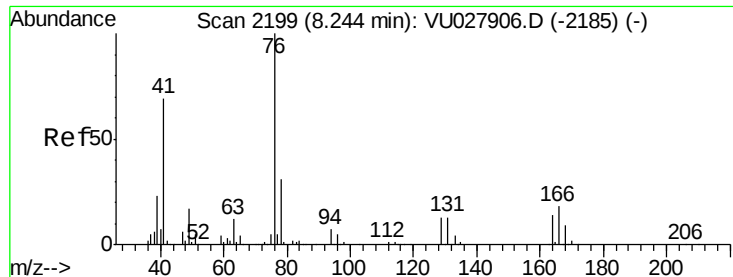


Abundance Ion 69.00 (68.70 to 69.70): VU028342.D (-2035) (-)

Ion 41.00 (40.70 to 41.70): VU028342.D (-2035) (-)

Ion 39.00 (38.70 to 39.70): VU028342.D (-2035) (-)





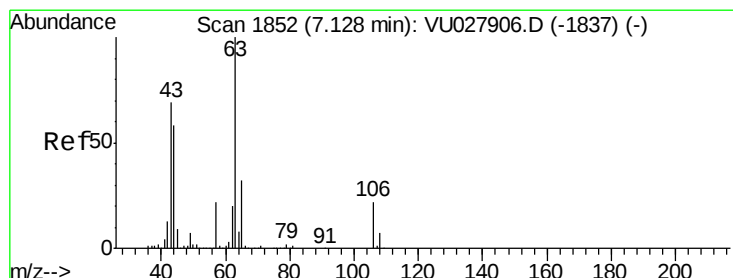
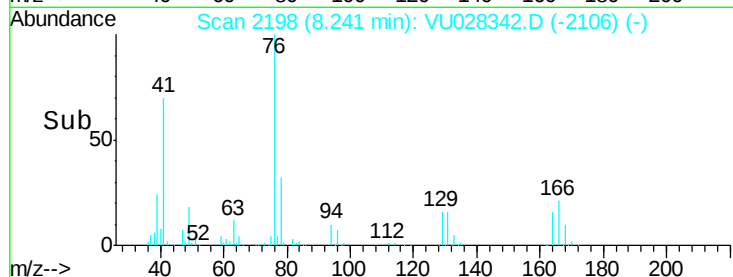
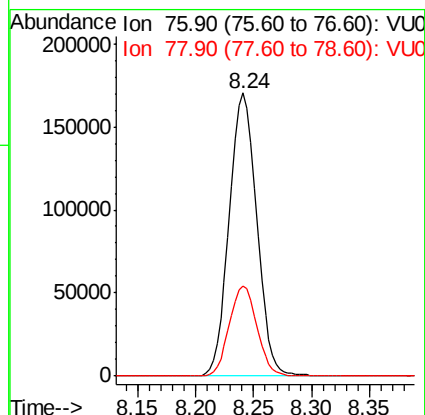
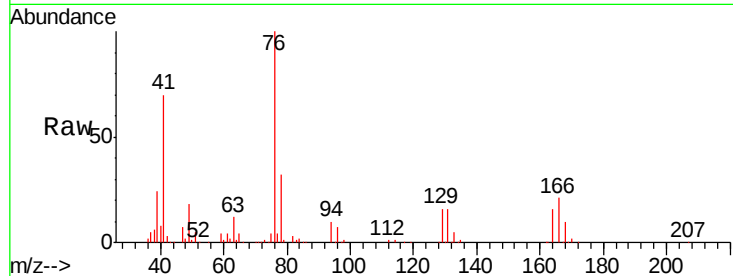
#57  
 1,3-Dichloropropane  
 Concen: 59.04 ug/l  
 RT: 8.24 min Scan# 2198  
 Delta R.T. -0.00 min  
 Lab File: VU028342.D  
 Acq: 27 Nov 2018 17:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

Tgt Ion: 76 Resp: 280055  
 Ion Ratio Lower Upper  
 76 100  
 78 31.8 25.3 37.9

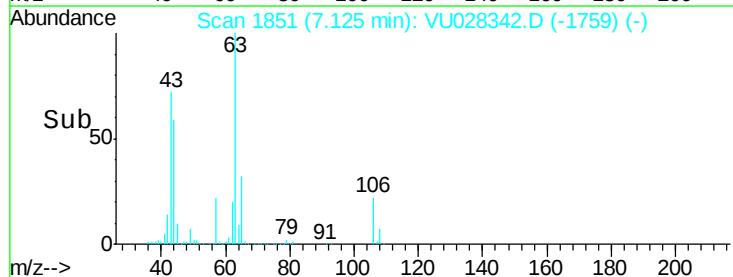
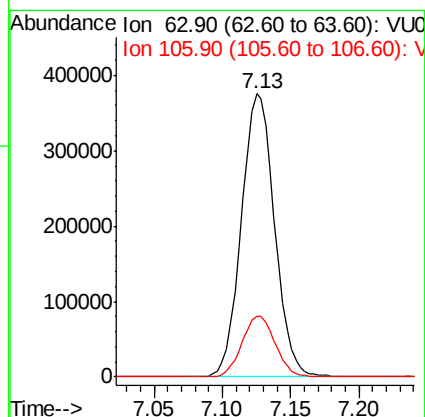
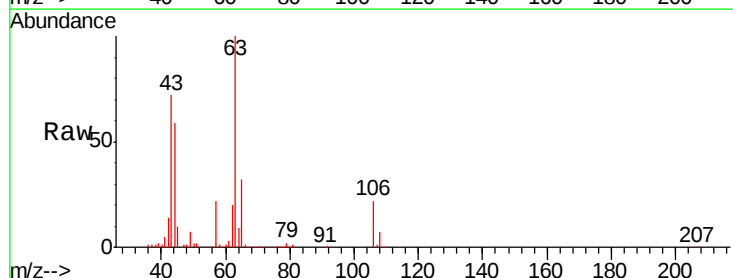
Manual Integrations  
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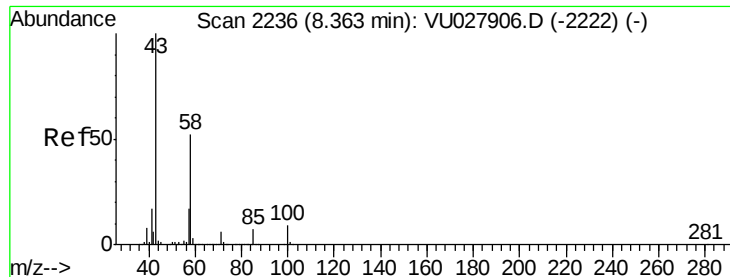
sam  
 11/28/2018 5:25:02 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 257.43 ug/l  
 RT: 7.13 min Scan# 1851  
 Delta R.T. -0.00 min  
 Lab File: VU028342.D  
 Acq: 27 Nov 2018 17:41

Tgt Ion: 63 Resp: 633179  
 Ion Ratio Lower Upper  
 63 100  
 106 21.4 17.8 26.6





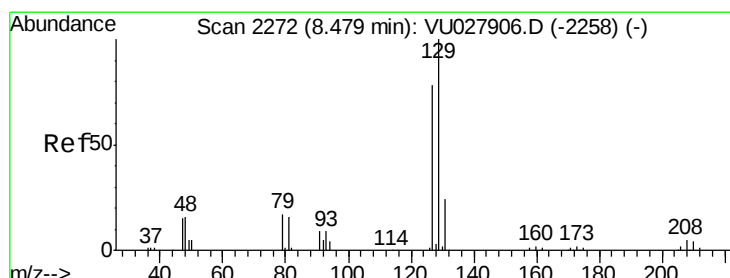
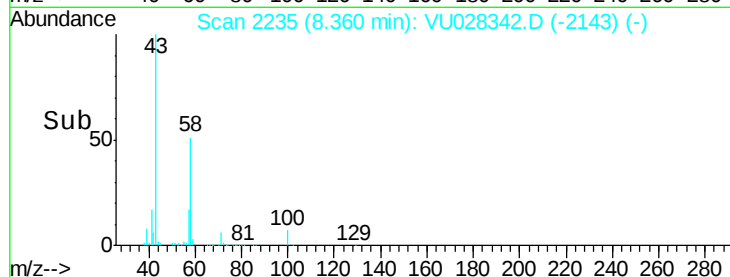
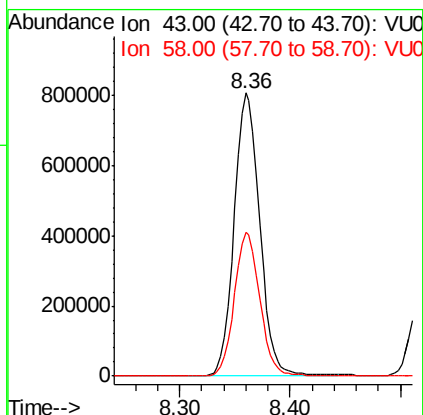
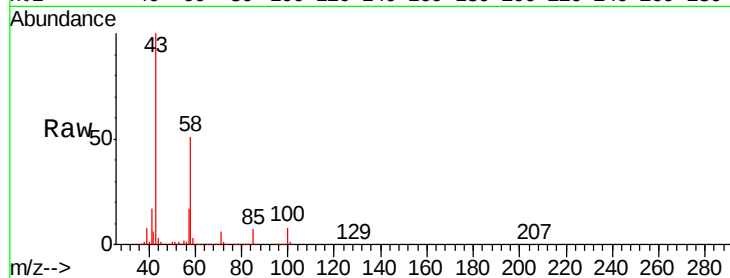
#59  
2-Hexanone  
Concen: 307.55 ug/l  
RT: 8.36 min Scan# 2235  
Delta R.T. -0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 43 Resp: 1298639  
Ion Ratio Lower Upper  
43 100  
58 50.6 25.8 77.3

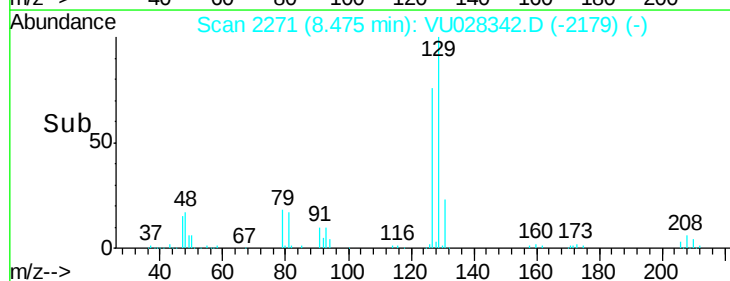
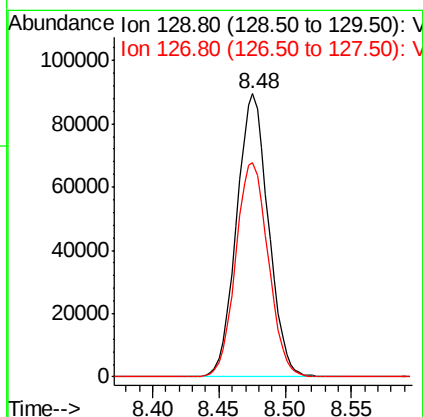
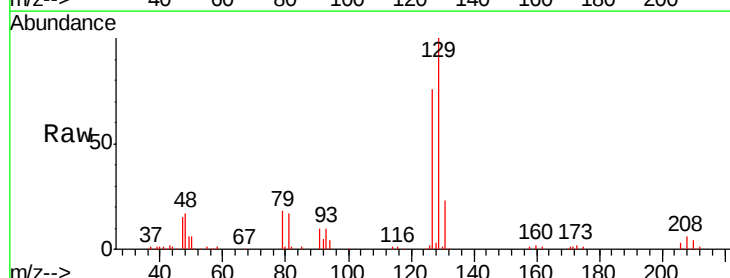
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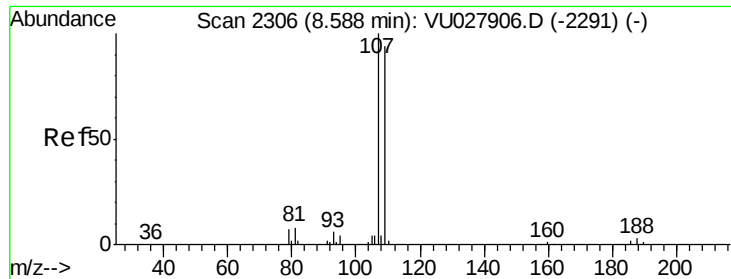
sam  
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#60  
Dibromochloromethane  
Concen: 60.63 ug/l  
RT: 8.48 min Scan# 2271  
Delta R.T. -0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

Tgt Ion: 129 Resp: 149403  
Ion Ratio Lower Upper  
129 100  
127 77.4 39.2 117.6





#61

1,2-Dibromoethane

Concen: 56.65 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 156766

Ion Ratio Lower Upper

107 100

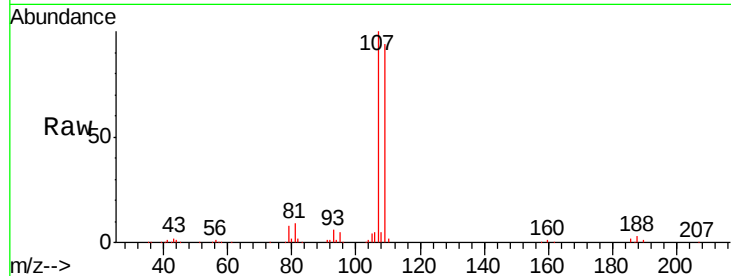
109 93.6 73.8 110.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

100000

80000

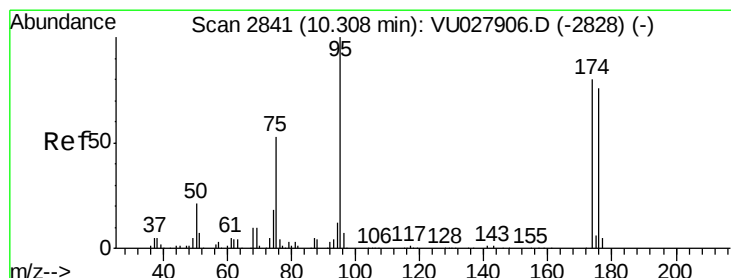
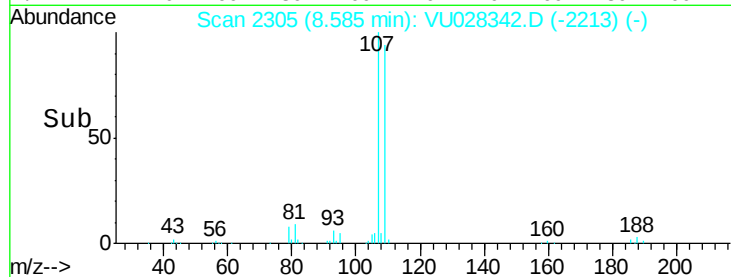
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.42 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

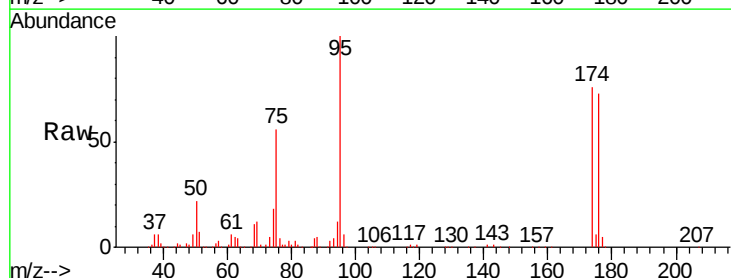
Tgt Ion: 95 Resp: 169284

Ion Ratio Lower Upper

95 100

174 75.3 0.0 156.4

176 72.0 0.0 150.8



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

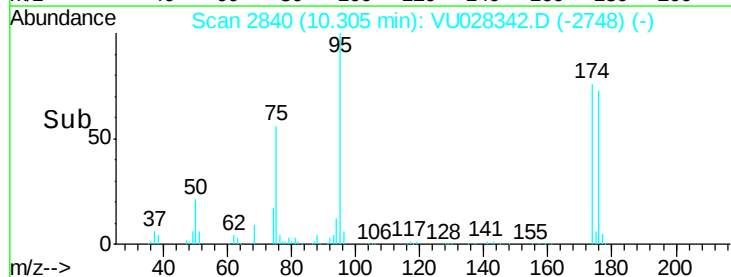
10.30

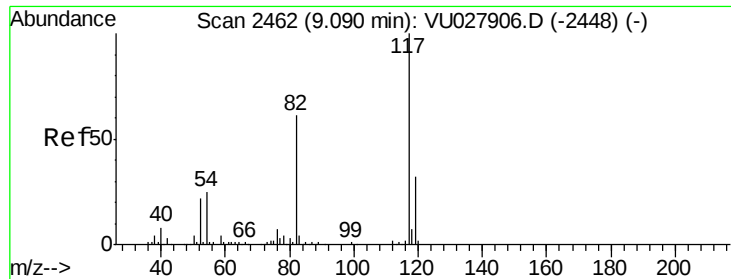
100000

50000

0

Time-->





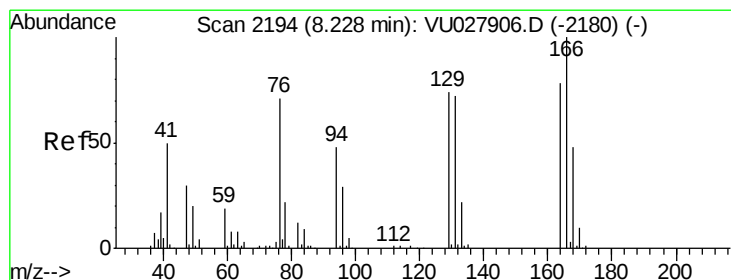
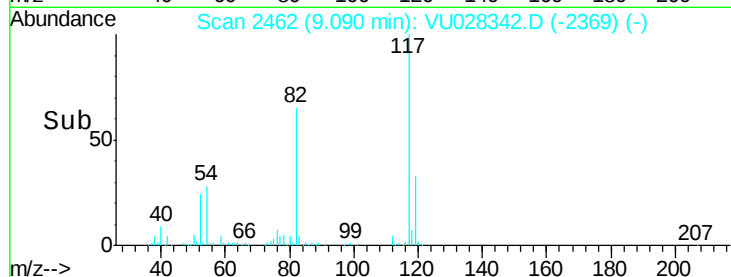
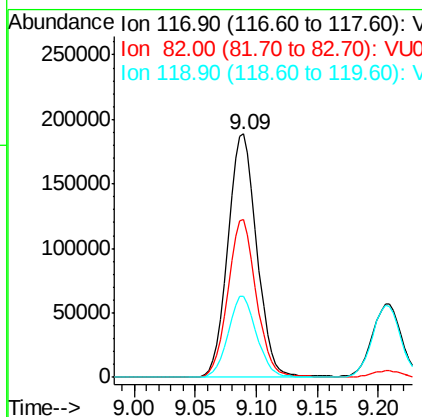
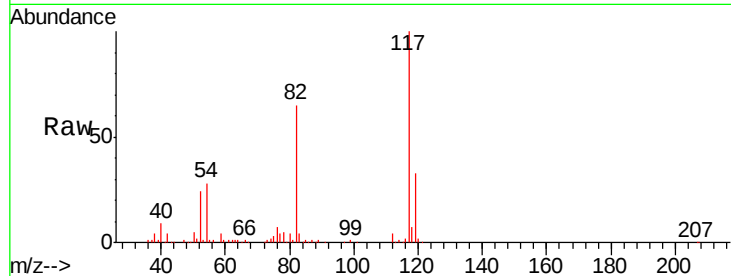
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.09 min Scan# 2462  
Delta R.T. 0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 313730 |       |       |
| 82      | 64.6  | 48.6   | 73.0  |       |
| 119     | 33.3  | 25.8   | 38.8  |       |

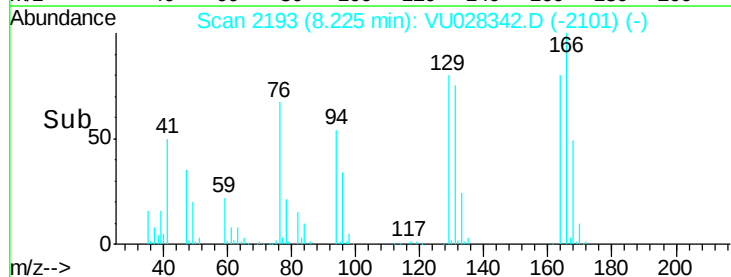
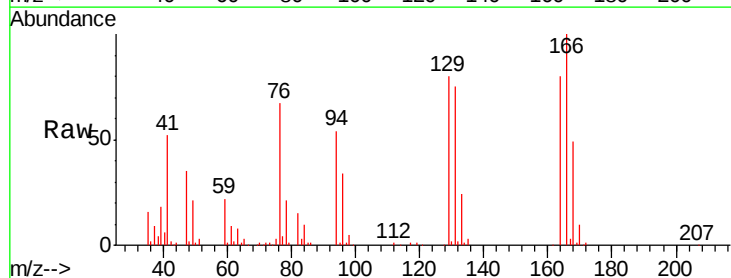
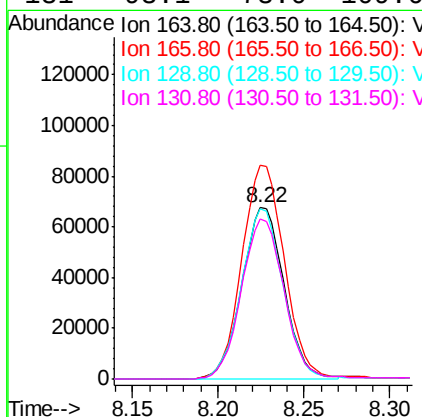
Manual Integrations  
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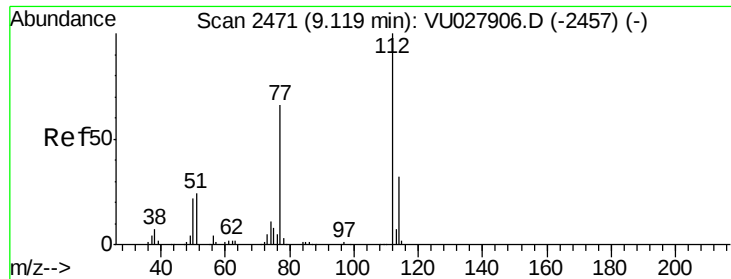
sam  
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#64  
Tetrachloroethene  
Concen: 56.58 ug/l  
RT: 8.22 min Scan# 2193  
Delta R.T. -0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 115093 |       |       |
| 166     | 124.7 | 102.1  | 153.1 |       |
| 129     | 99.5  | 75.9   | 113.9 |       |
| 131     | 93.1  | 73.0   | 109.6 |       |





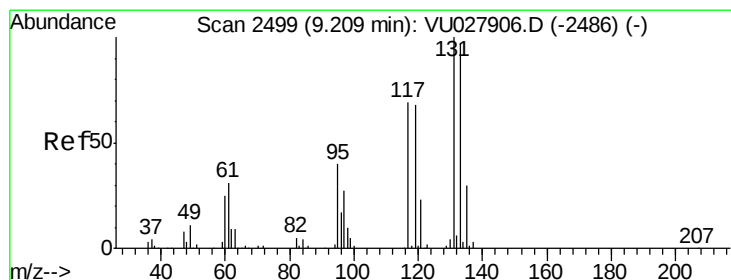
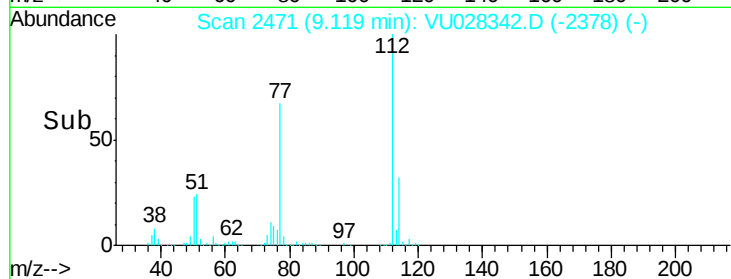
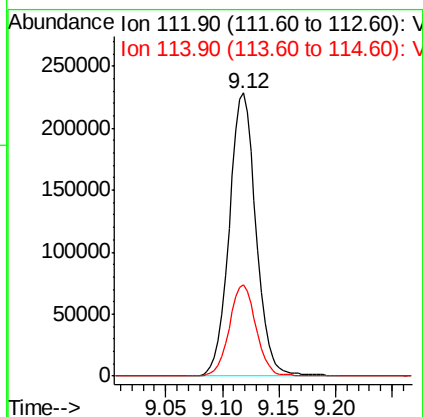
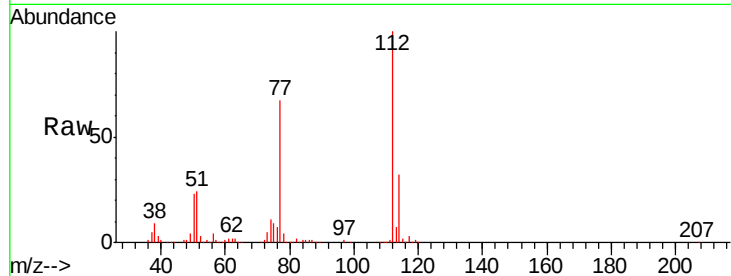
#65  
Chlorobenzene  
Concen: 56.76 ug/l  
RT: 9.12 min Scan# 2471  
Delta R.T. 0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 376250 |       |       |
| 114     | 32.1  | 25.2   | 37.8  |       |

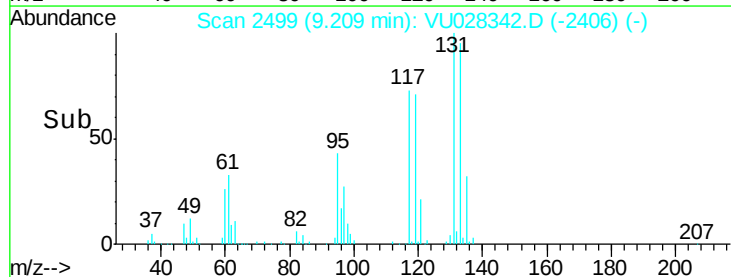
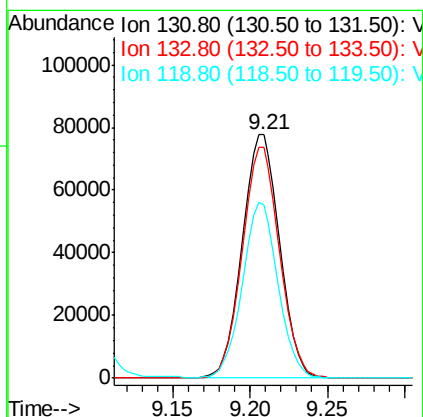
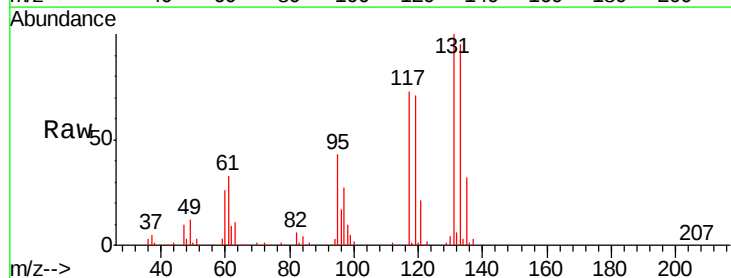
Manual Integrations  
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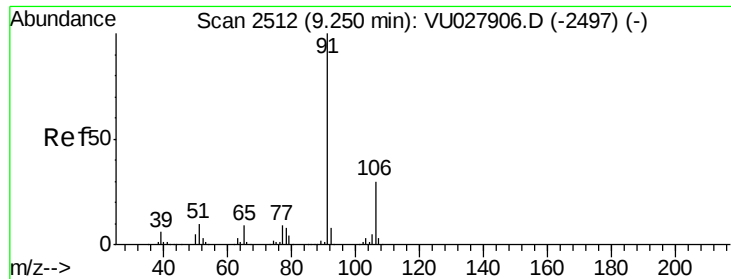
sam  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 57.79 ug/l  
RT: 9.21 min Scan# 2499  
Delta R.T. 0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 131     | 100   | 130846 |       |       |
| 133     | 94.6  | 48.1   | 144.4 |       |
| 119     | 68.6  | 34.0   | 101.8 |       |





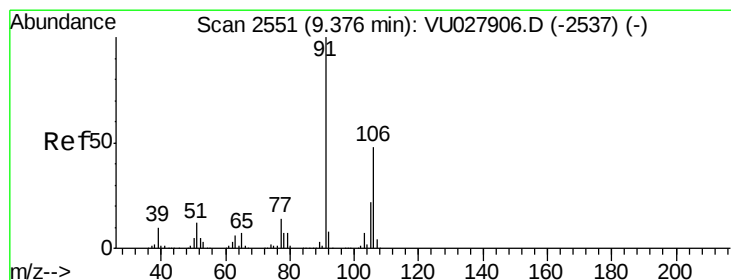
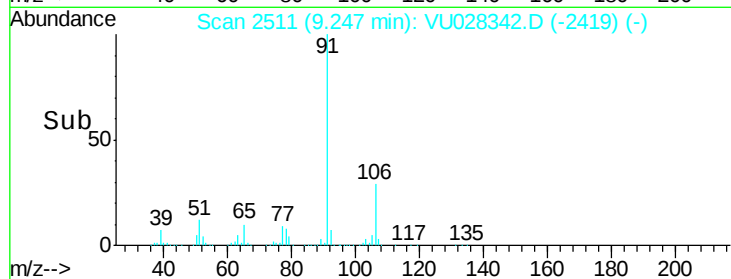
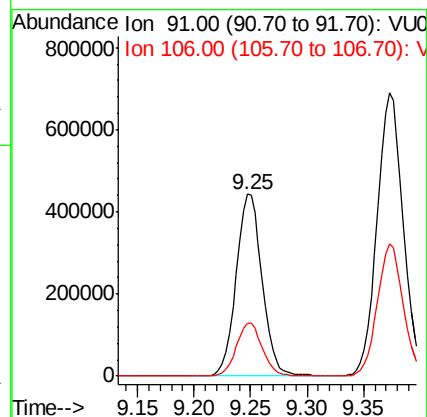
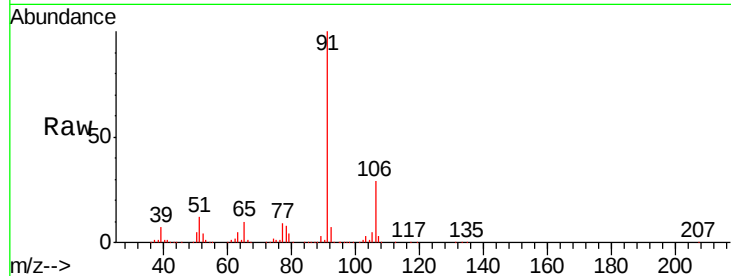
#67  
Ethyl Benzene  
Concen: 58.25 ug/l  
RT: 9.25 min Scan# 2511  
Delta R.T. -0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 91 Resp: 710714  
Ion Ratio Lower Upper  
91 100  
106 29.5 23.6 35.4

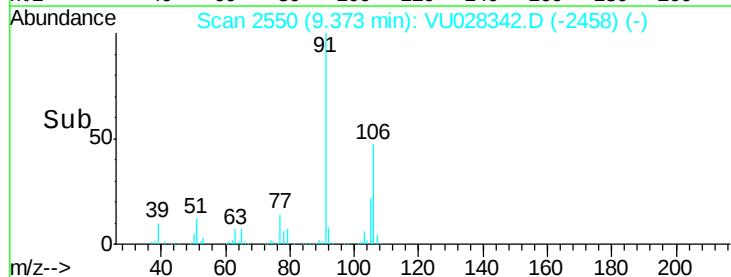
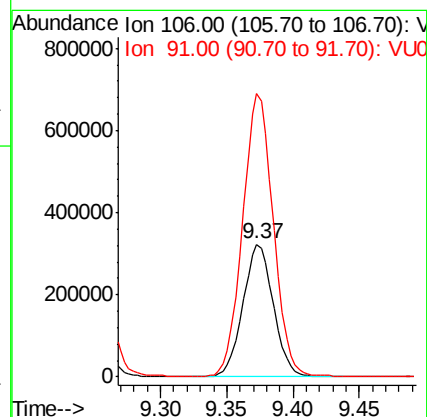
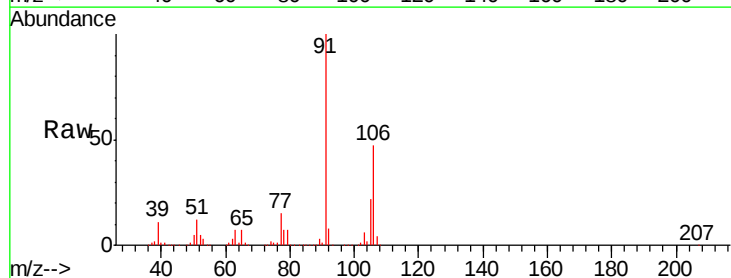
Manual Integrations  
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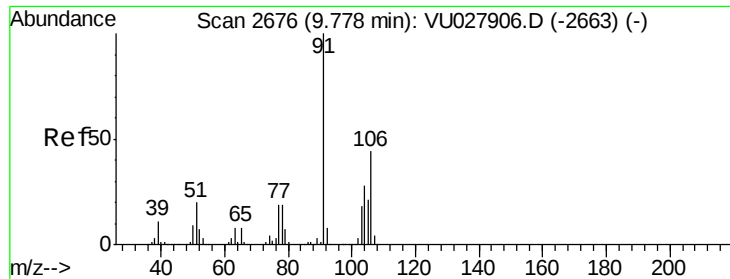
sam  
11/28/2018 5:25:02 PM



#68  
m/p-Xylenes  
Concen: 116.18 ug/l  
RT: 9.37 min Scan# 2550  
Delta R.T. -0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

Tgt Ion: 106 Resp: 514324  
Ion Ratio Lower Upper  
106 100  
91 216.2 168.2 252.4





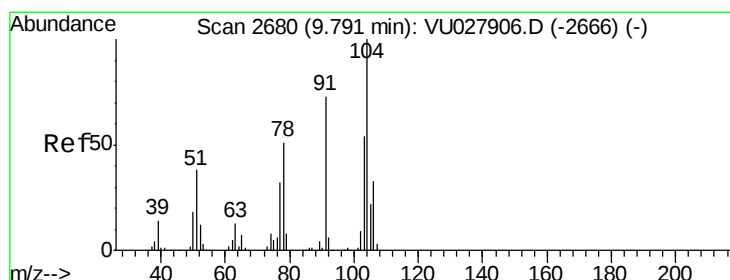
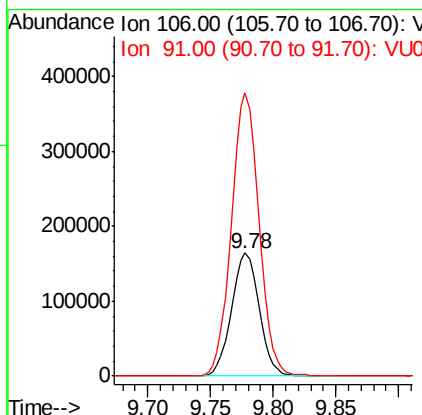
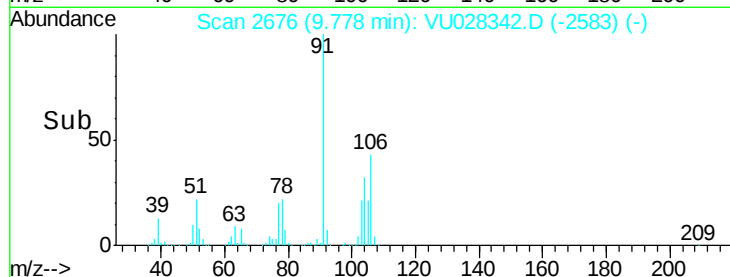
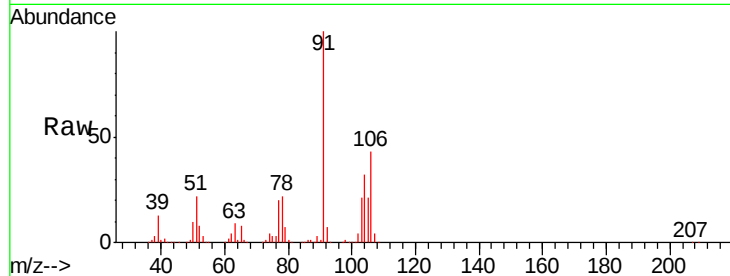
#69  
o-Xylene  
Concen: 56.70 ug/l  
RT: 9.78 min Scan# 2676  
Delta R.T. 0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Tgt Ion:106 Resp: 253467  
Ion Ratio Lower Upper  
106 100  
91 228.3 111.1 333.4

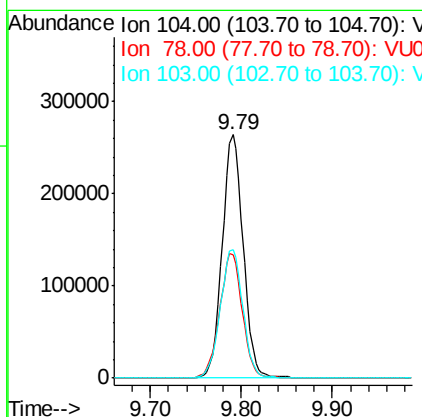
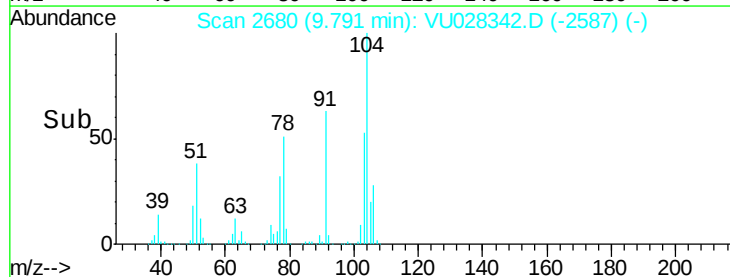
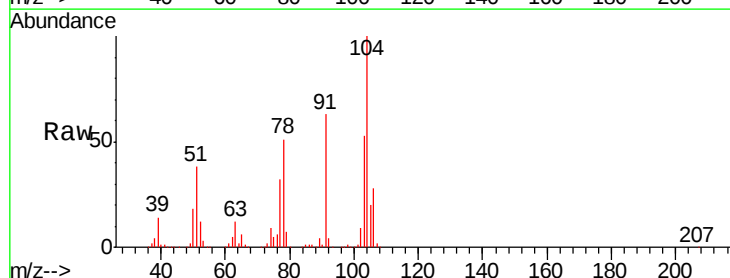
Manual Integrations  
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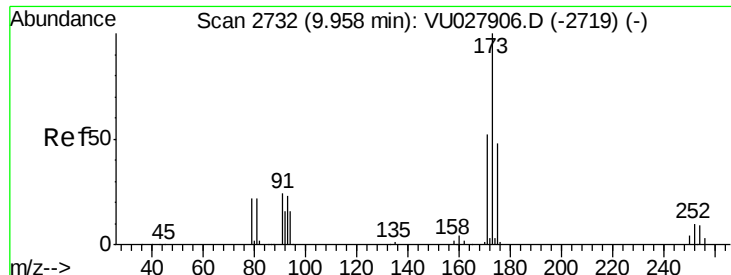
sam  
11/28/2018 5:25:02 PM



#70  
Styrene  
Concen: 59.27 ug/l  
RT: 9.79 min Scan# 2680  
Delta R.T. 0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

Tgt Ion:104 Resp: 423335  
Ion Ratio Lower Upper  
104 100  
78 55.2 43.0 64.4  
103 57.1 45.1 67.7





#71

Bromoform

Concen: 60.20 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 114219

Ion Ratio Lower Upper

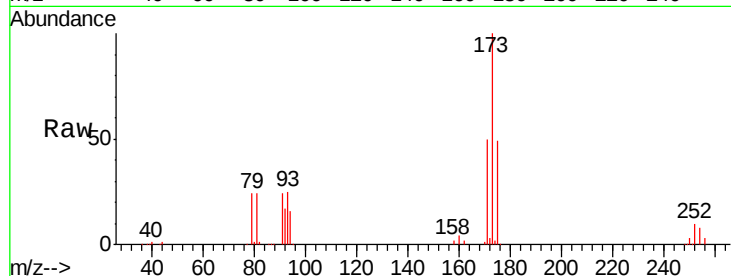
173 100

175 48.1 24.3 72.8

254 0.0 0.0 0.0#

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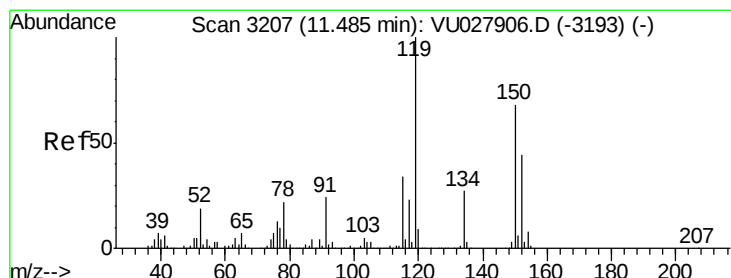
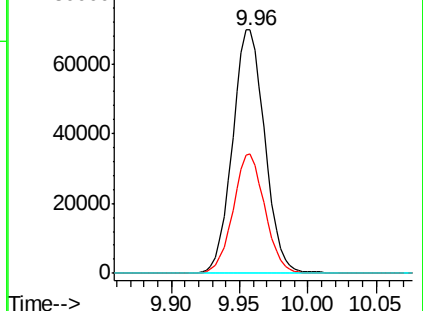
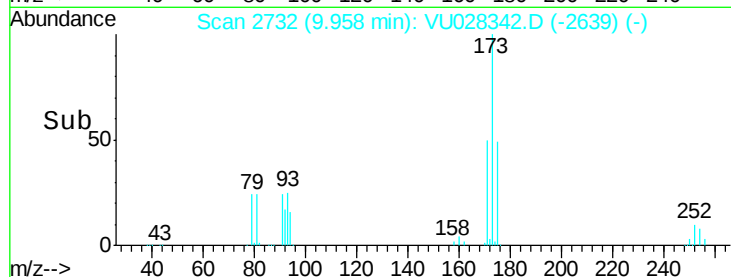
sam  
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Abundance Ion 172.70 (172.40 to 173.40): V

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: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

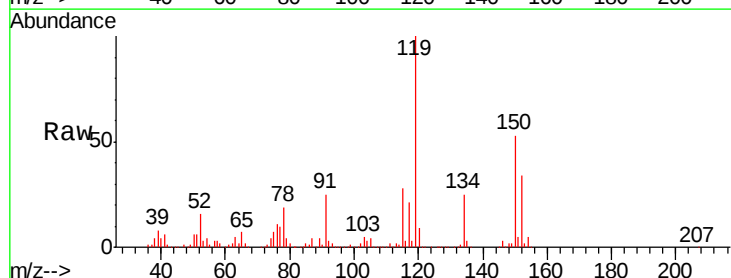
Tgt Ion:152 Resp: 158382

Ion Ratio Lower Upper

152 100

115 91.3 43.0 129.0

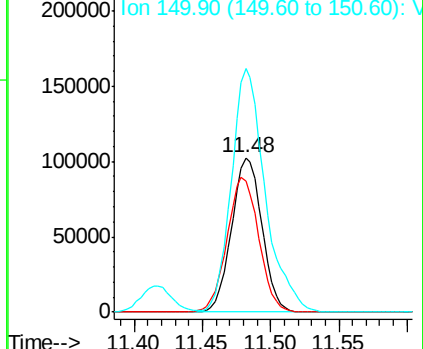
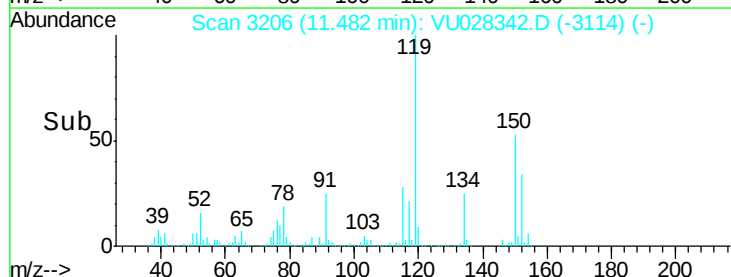
150 175.0 0.0 349.4

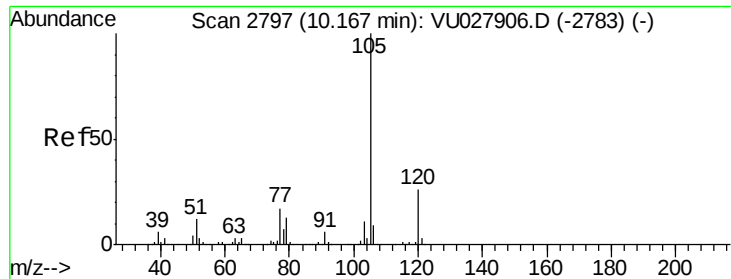


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.14 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 676543

Ion Ratio Lower Upper

105 100

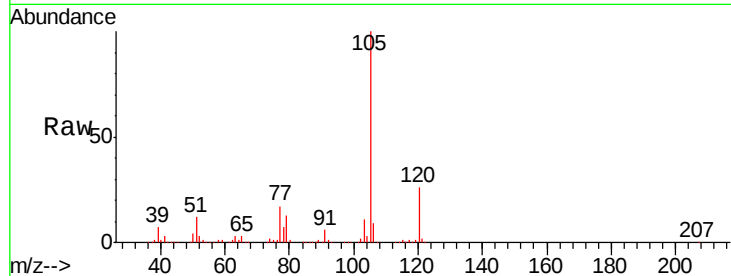
120 25.6 12.7 38.0

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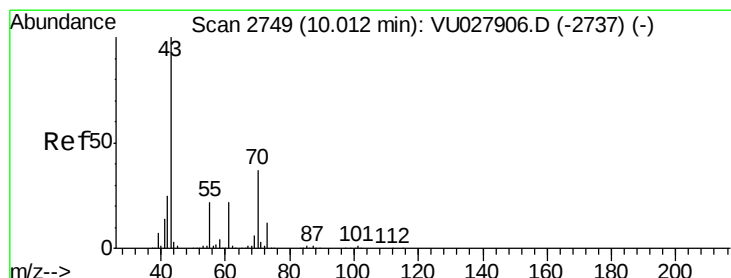
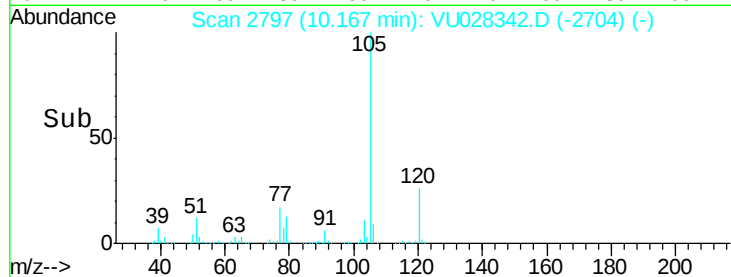
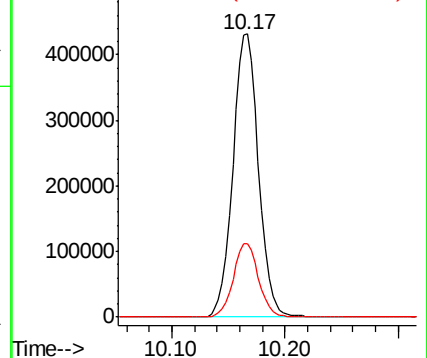
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.44 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

Tgt Ion: 43 Resp: 418768

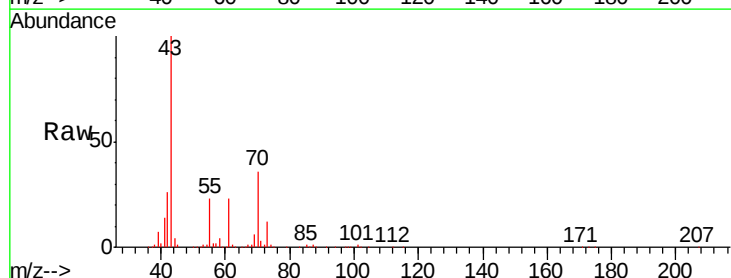
Ion Ratio Lower Upper

43 100

70 35.9 29.2 43.8

55 22.7 17.8 26.6

61 22.3 17.8 26.8

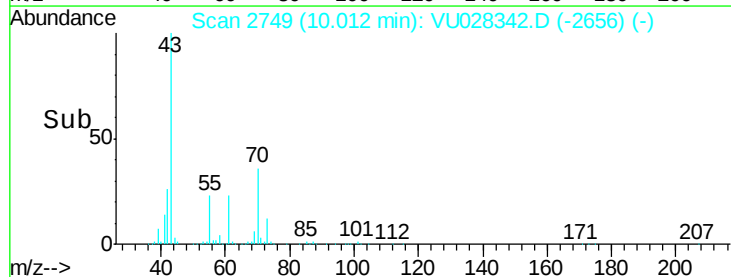
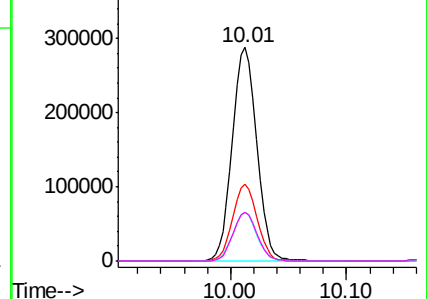


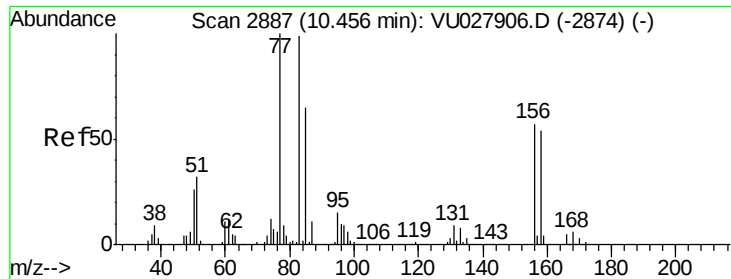
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 57.19 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 283058  
Ion Ratio Lower Upper

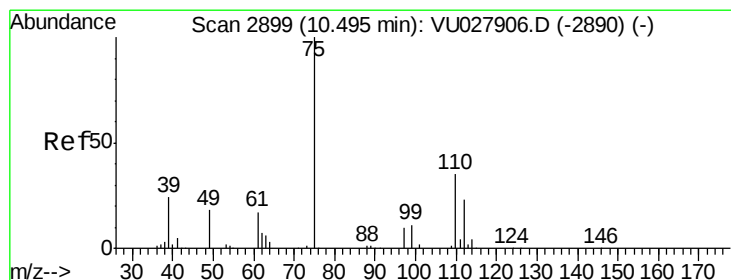
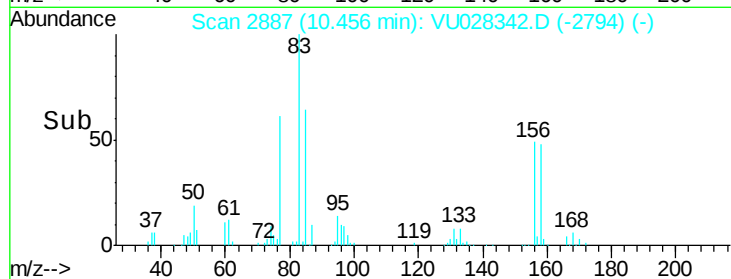
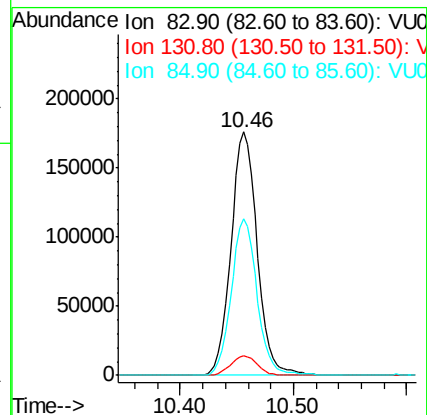
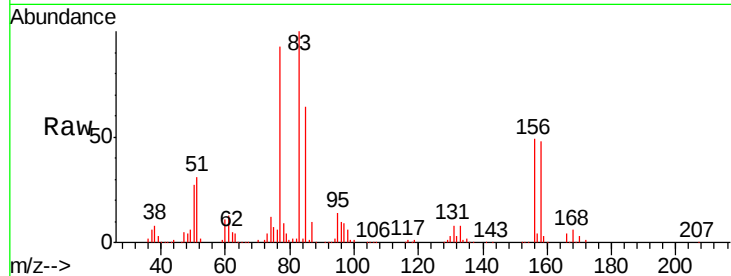
83 100

131 8.1 4.3 13.1

85 63.6 32.4 97.2

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 58.44 ug/l m

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

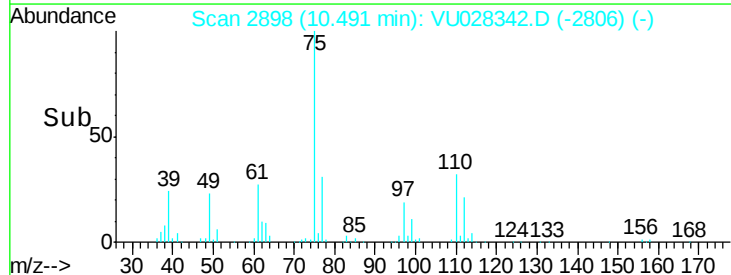
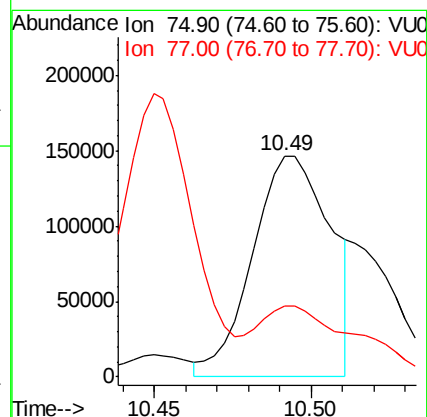
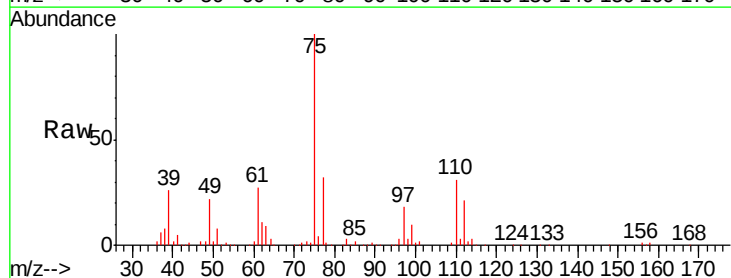
Lab File: VU028342.D

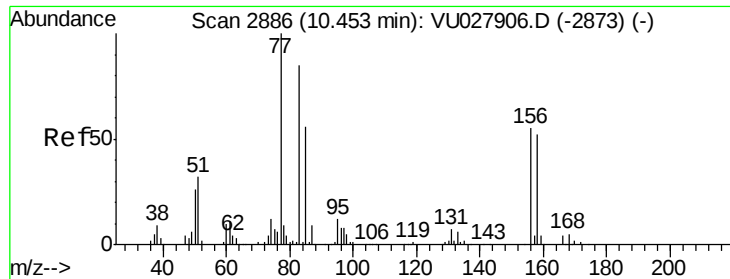
Acq: 27 Nov 2018 17:41

Tgt Ion: 75 Resp: 253186  
Ion Ratio Lower Upper

75 100

77 40.5 21.6 64.6





#77

Bromobenzene

Concen: 55.19 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

Instrument :

MSVOA\_U

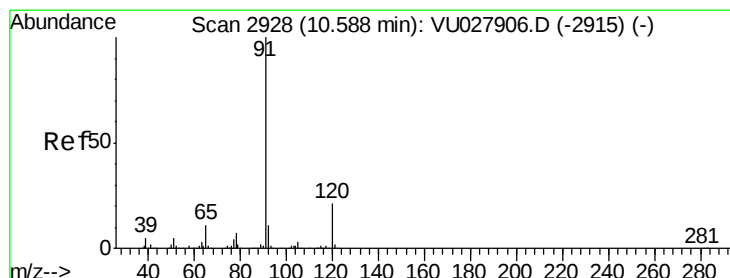
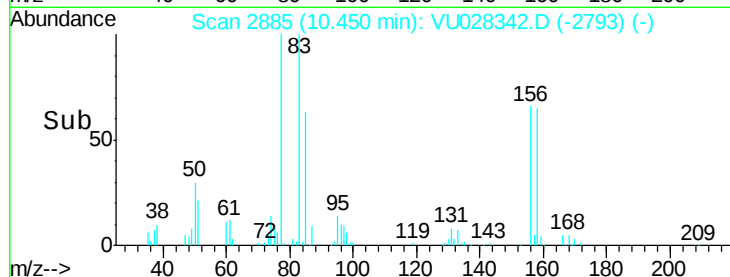
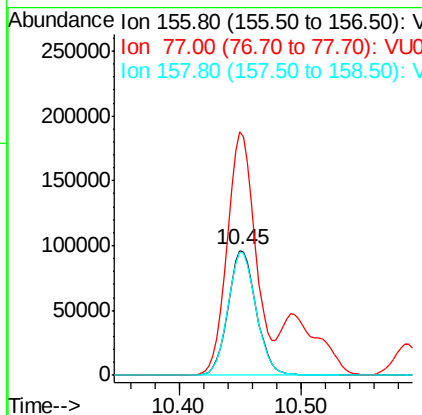
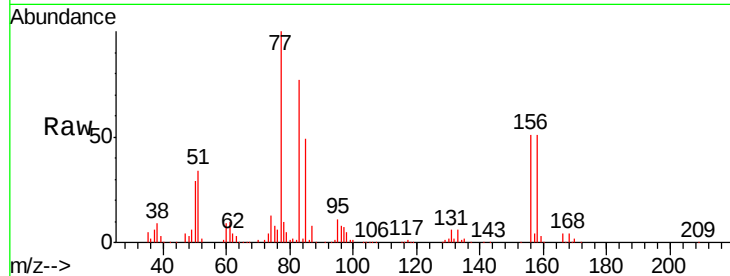
ClientSampleId :

VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 194.0 | 91.8  | 275.6 |
| 158     | 99.1  | 48.4  | 145.2 |

Manual Integrations  
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sam  
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#78

n-propylbenzene

Concen: 57.65 ug/l

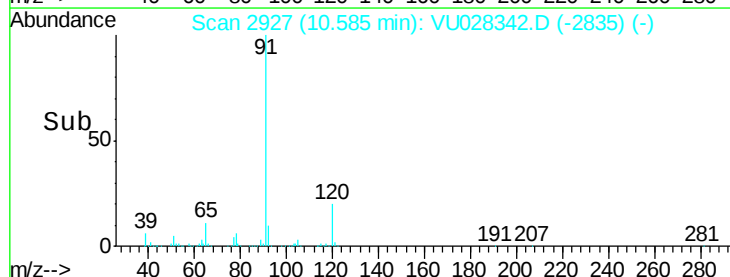
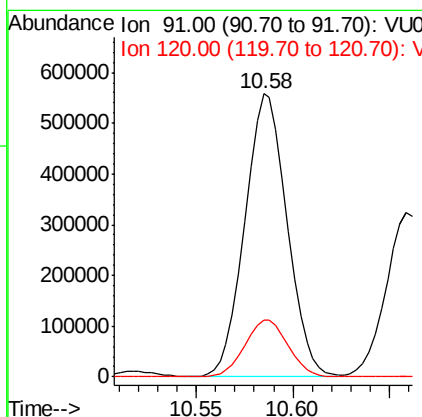
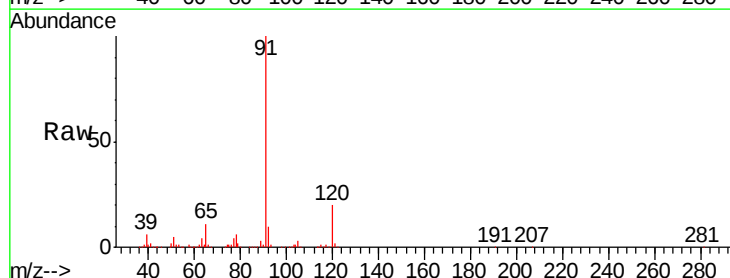
RT: 10.58 min Scan# 2927

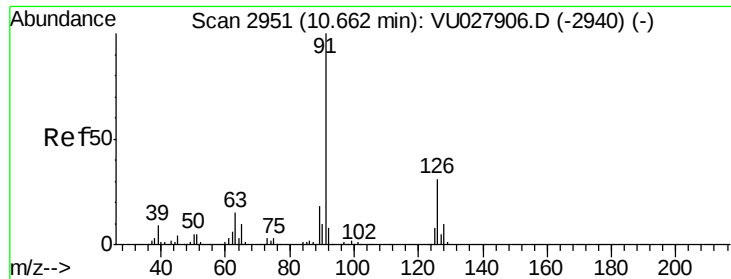
Delta R.T. -0.00 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 20.6  | 10.6  | 31.8  |





#79

2-Chlorotoluene

Concen: 56.67 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 498900

Ion Ratio Lower Upper

91 100

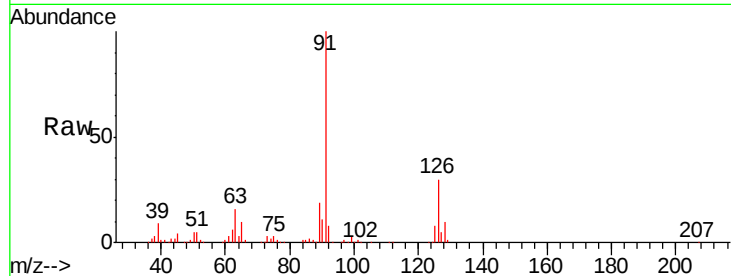
126 30.5 16.0 47.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU027906.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU027906.D (-2940) (-)

600000

500000

400000

300000

200000

100000

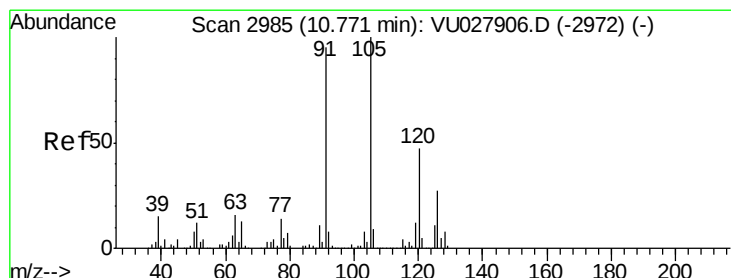
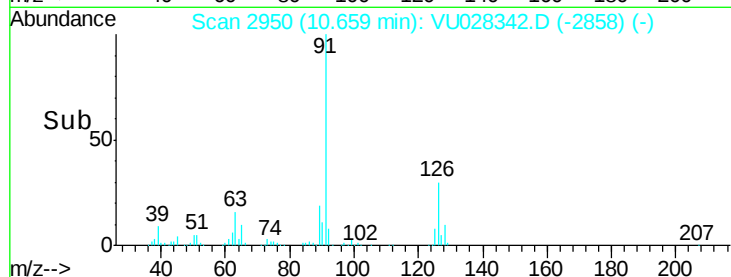
0

10.60

10.65

10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 56.70 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028342.D

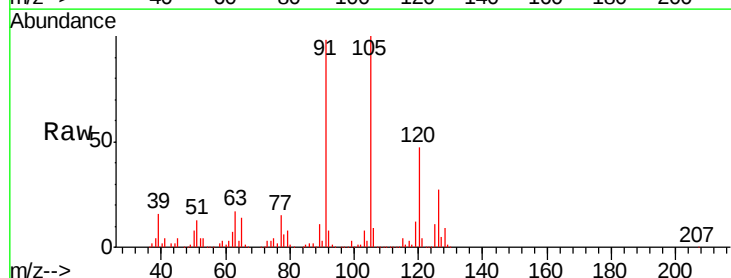
Acq: 27 Nov 2018 17:41

Tgt Ion: 105 Resp: 576350

Ion Ratio Lower Upper

105 100

120 47.0 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VU027906.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU027906.D (-2972) (-)

400000

300000

200000

100000

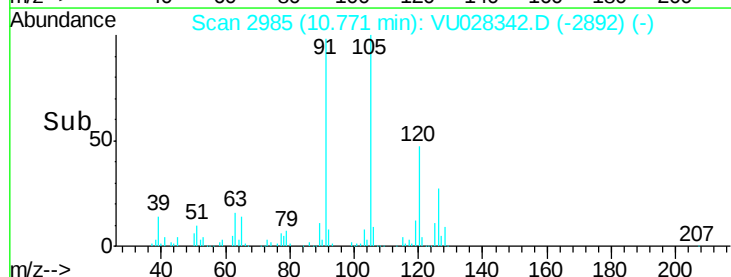
0

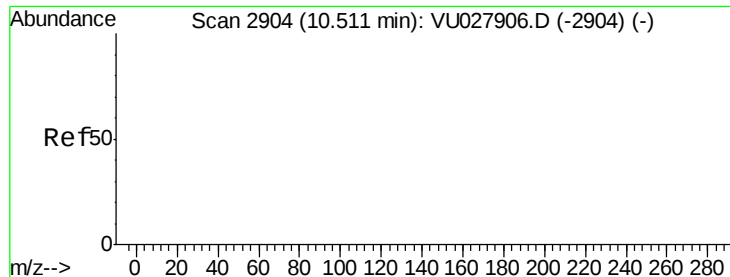
10.70

10.75

10.80

Time-->





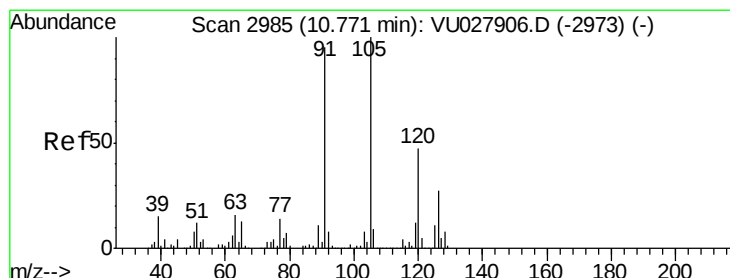
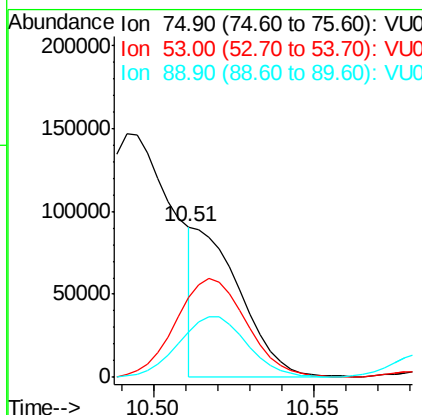
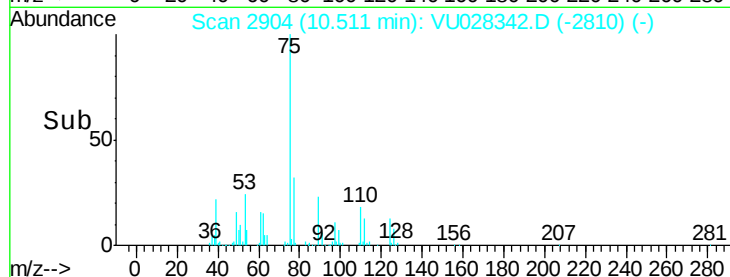
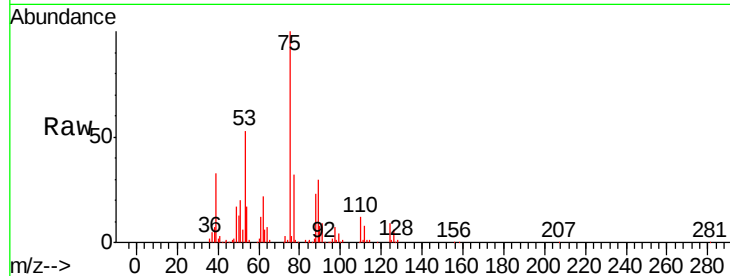
#81  
trans-1,4-Dichloro-2-butene  
Concen: 52.34 ug/l m  
RT: 10.51 min Scan# 2904  
Delta R.T. 0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 0.0   | 0.0   | 0.0   |
| 89      | 0.0   | 0.0   | 0.0   |

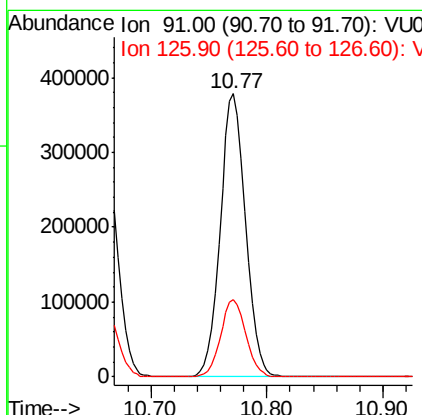
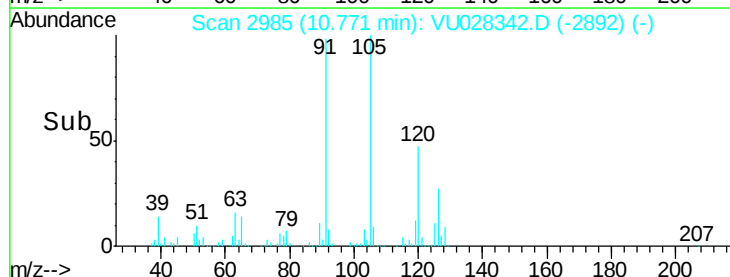
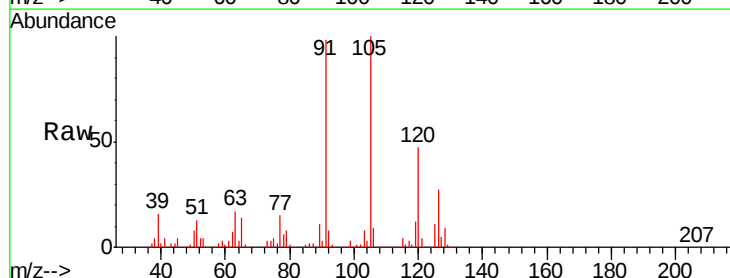
Manual Integrations  
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sam  
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#82  
4-Chlorotoluene  
Concen: 57.37 ug/l  
RT: 10.77 min Scan# 2985  
Delta R.T. 0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 27.4  | 14.2  | 42.6  |





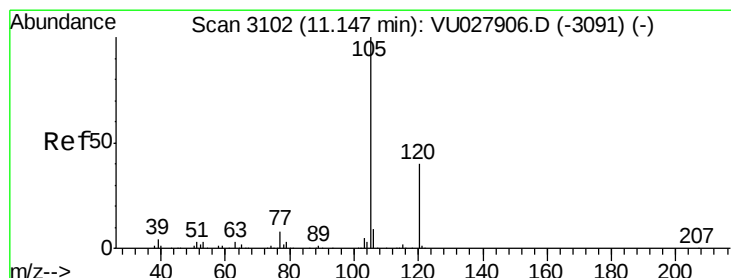
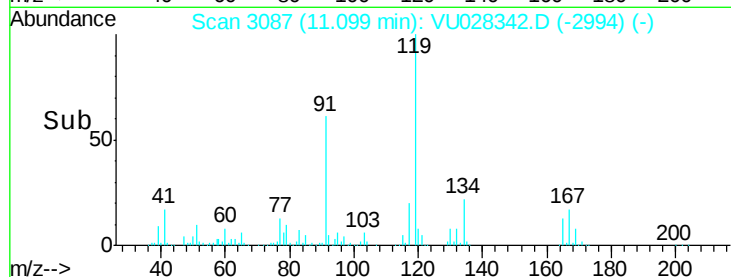
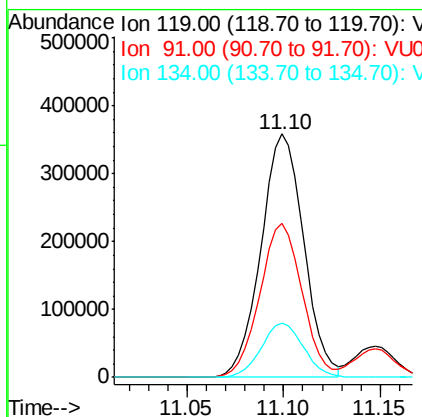
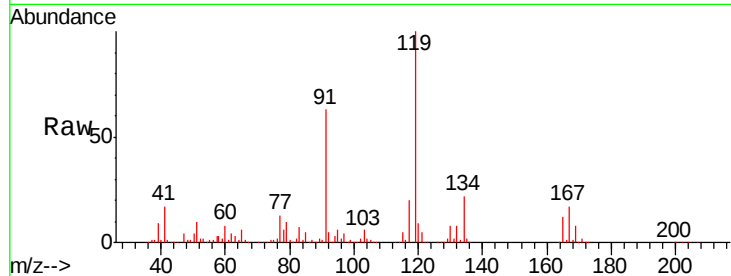
#83  
 tert-Butylbenzene  
 Concen: 54.24 ug/l  
 RT: 11.10 min Scan# 3087  
 Delta R.T. 0.00 min  
 Lab File: VU028342.D  
 Acq: 27 Nov 2018 17:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 551105 |       |       |
| 91      | 62.8  | 29.8   | 89.3  |       |
| 134     | 22.0  | 11.1   | 33.1  |       |

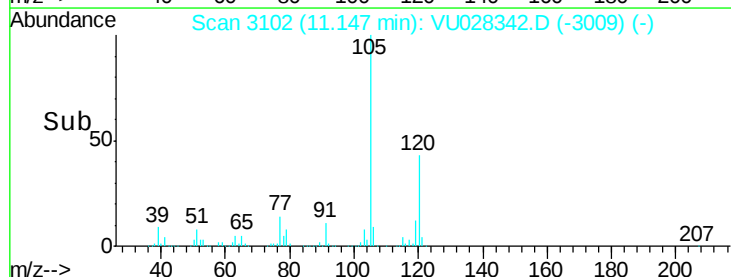
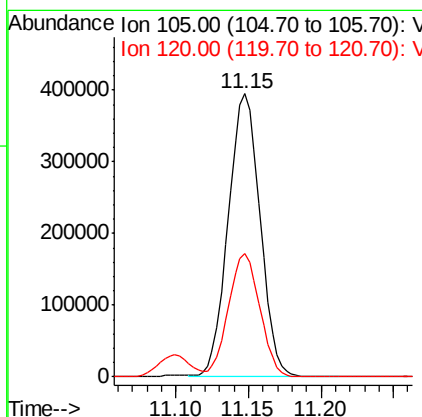
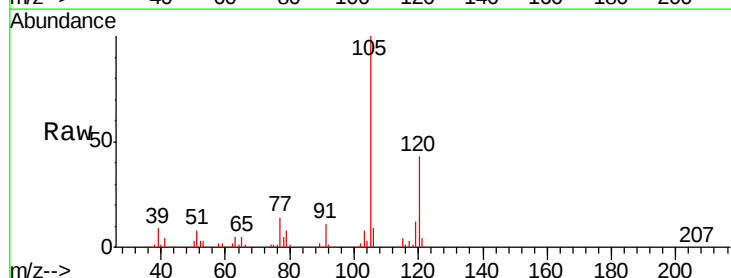
Manual Integrations  
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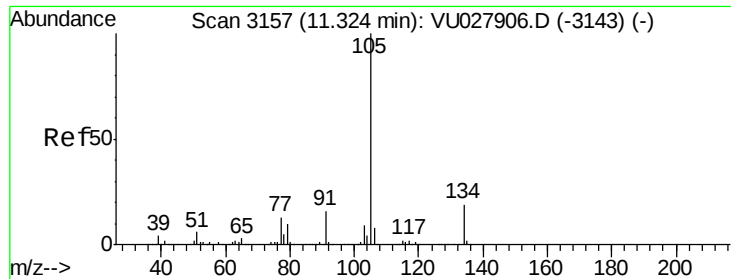
sam  
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 58.65 ug/l  
 RT: 11.15 min Scan# 3102  
 Delta R.T. 0.00 min  
 Lab File: VU028342.D  
 Acq: 27 Nov 2018 17:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 600226 |       |       |
| 120     | 43.3  | 22.1   | 66.1  |       |





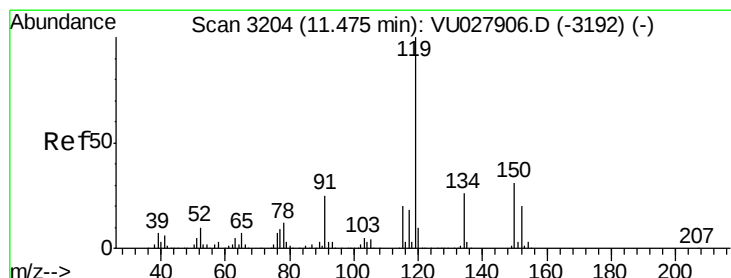
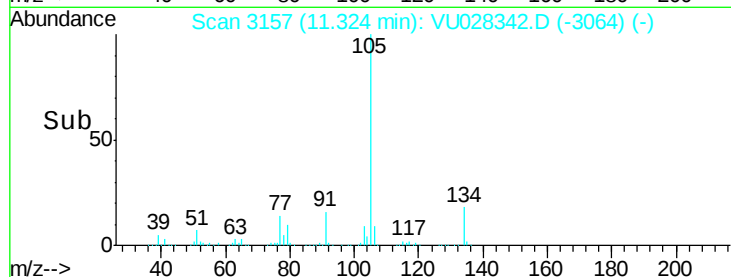
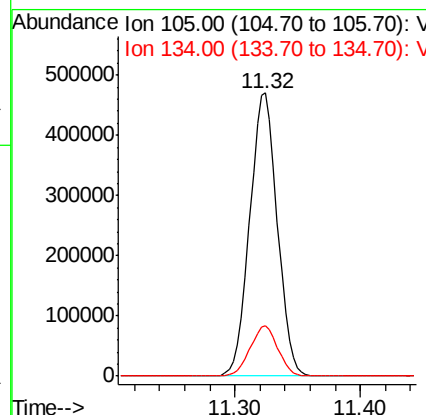
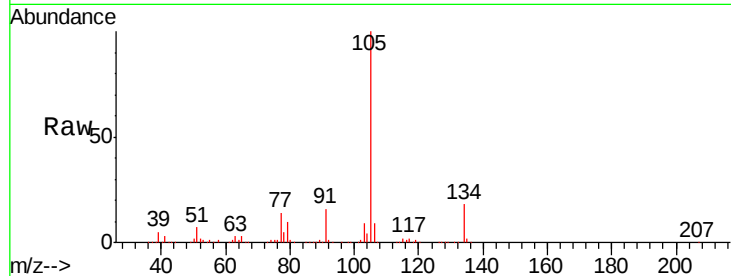
#85  
 sec-Butylbenzene  
 Concen: 58.20 ug/l  
 RT: 11.32 min Scan# 3157  
 Delta R.T. 0.00 min  
 Lab File: VU028342.D  
 Acq: 27 Nov 2018 17:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 719229 |       |       |
| 134     | 17.8  | 9.2    | 27.6  |       |

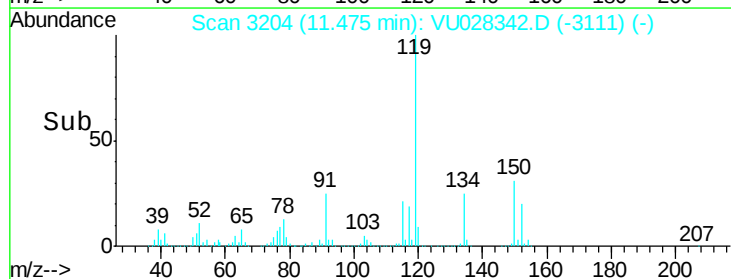
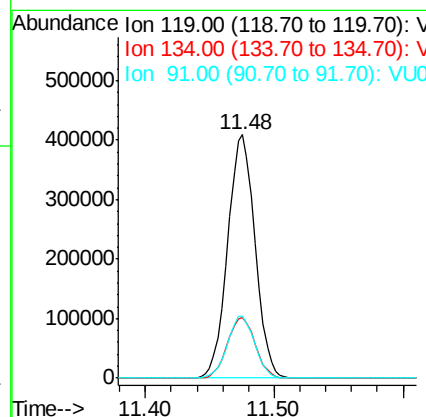
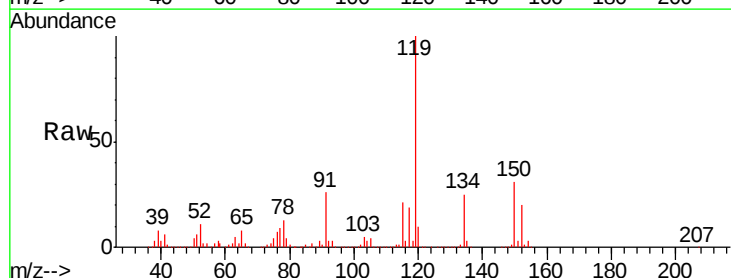
Manual Integrations  
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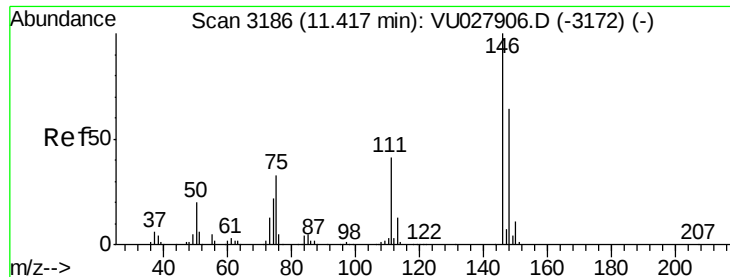
sam  
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#86  
 p-Isopropyltoluene  
 Concen: 58.03 ug/l  
 RT: 11.48 min Scan# 3204  
 Delta R.T. 0.00 min  
 Lab File: VU028342.D  
 Acq: 27 Nov 2018 17:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 599481 |       |       |
| 134     | 25.5  | 12.9   | 38.7  |       |
| 91      | 25.5  | 12.4   | 37.2  |       |





#87

1,3-Dichlorobenzene

Concen: 56.43 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

Instrument :

MSVOA\_U

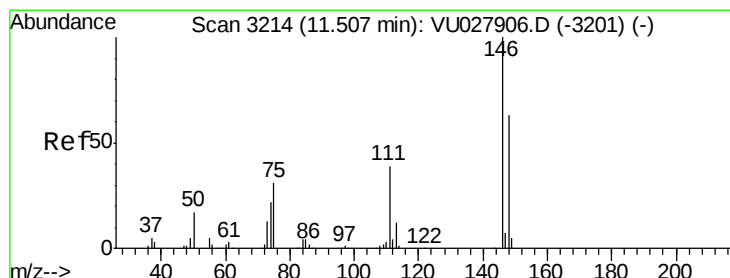
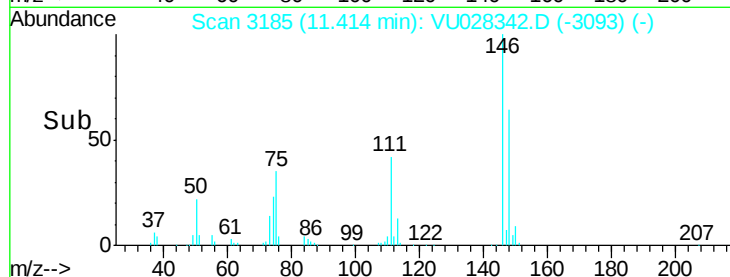
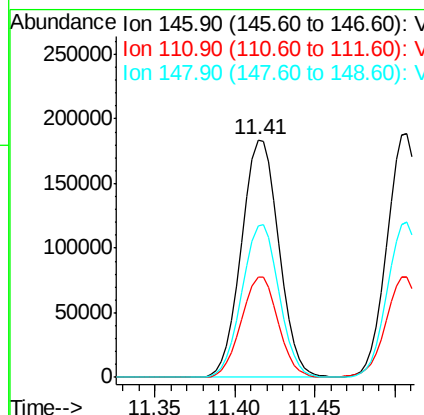
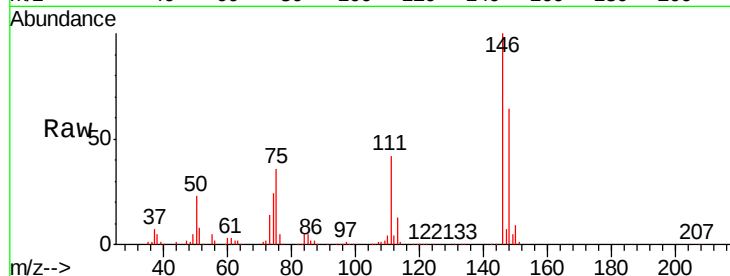
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 293299 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 41.5  | 20.3  | 61.0   |
| 148       | 63.5  | 31.8  | 95.4   |

Manual Integrations  
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#88

1,4-Dichlorobenzene

Concen: 54.82 ug/l

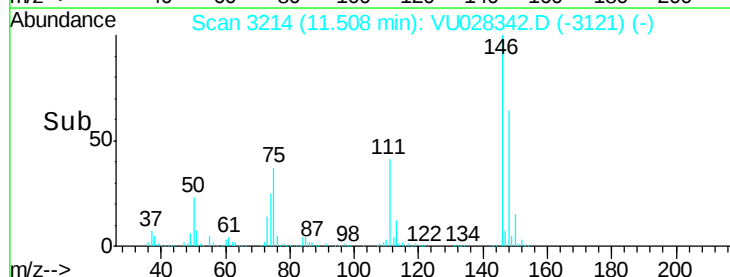
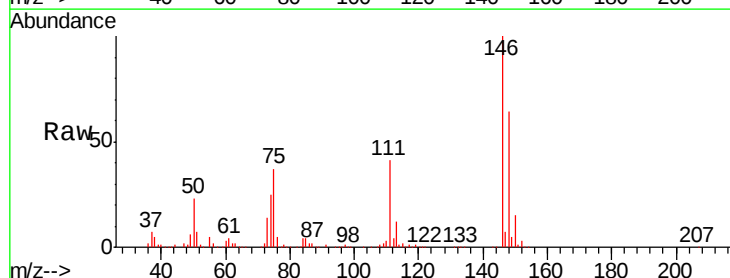
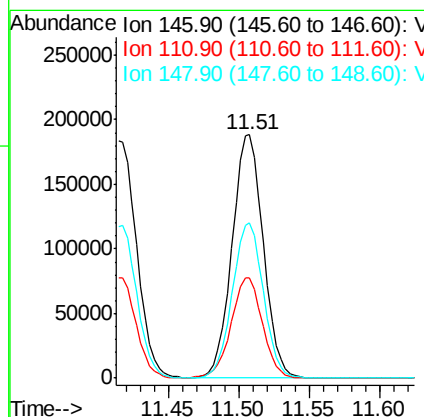
RT: 11.51 min Scan# 3214

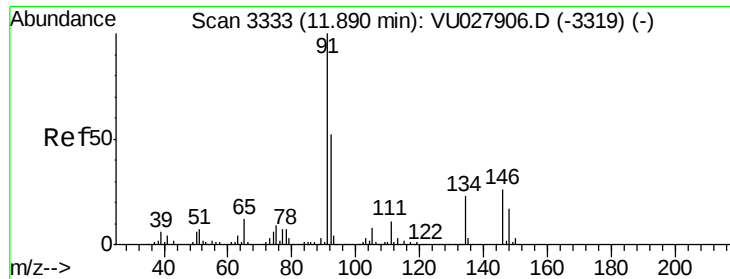
Delta R.T. 0.00 min

Lab File: VU028342.D

Acq: 27 Nov 2018 17:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 292015 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 41.5  | 20.3  | 60.9   |
| 148       | 63.4  | 32.0  | 96.2   |





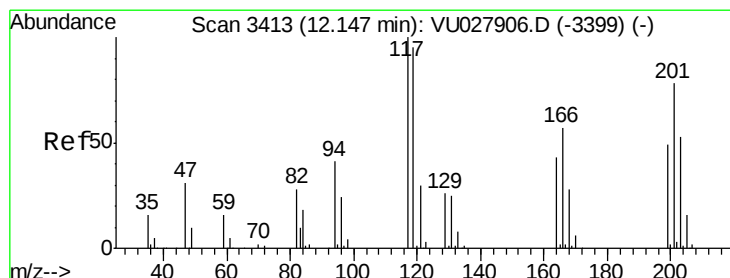
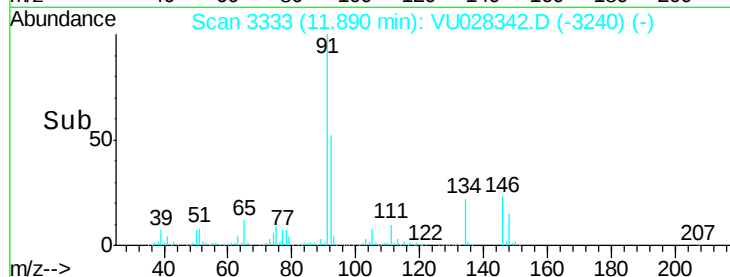
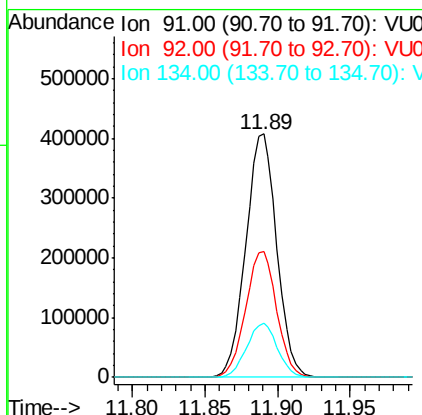
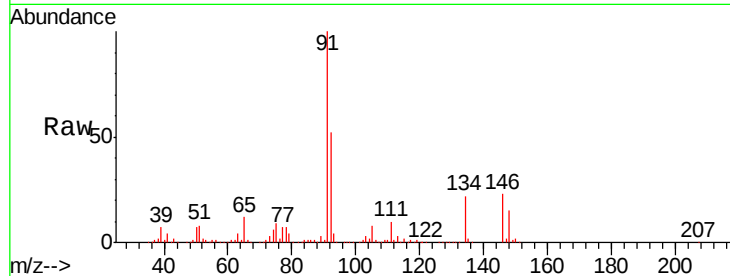
#89  
n-Butylbenzene  
Concen: 61.55 ug/l  
RT: 11.89 min Scan# 3333  
Delta R.T. 0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.1  | 26.2  | 78.5  |
| 134     | 22.2  | 11.5  | 34.5  |

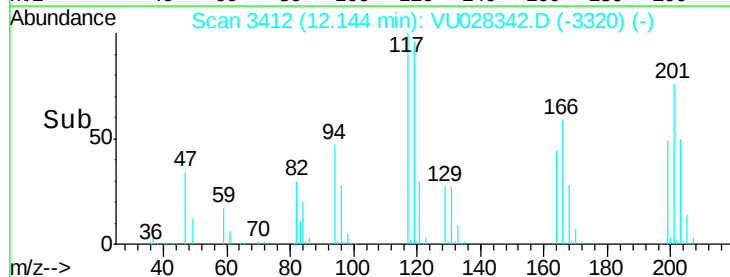
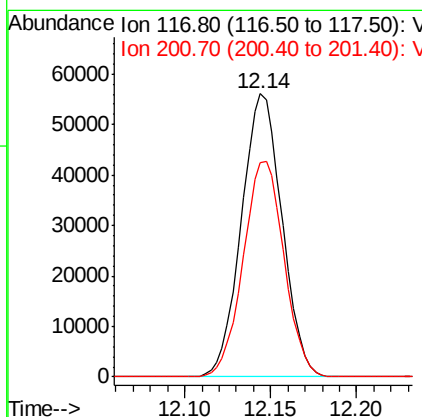
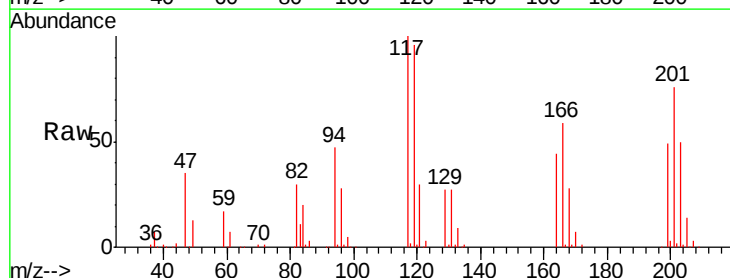
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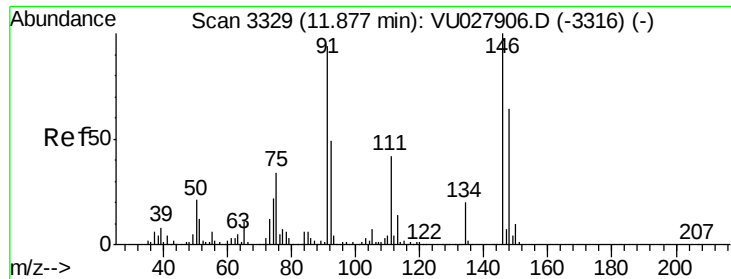
sam  
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#90  
Hexachloroethane  
Concen: 49.90 ug/l  
RT: 12.14 min Scan# 3412  
Delta R.T. -0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 76.4  | 38.5  | 115.5 |





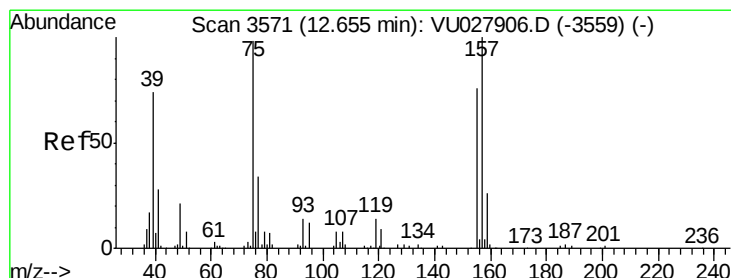
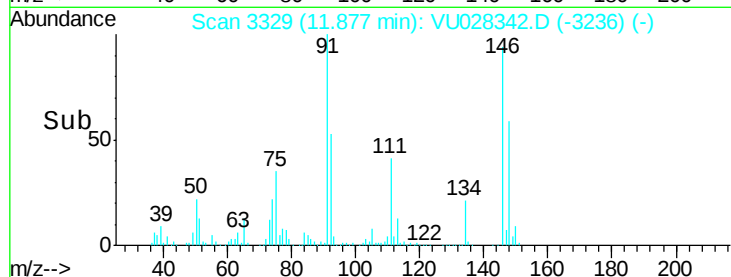
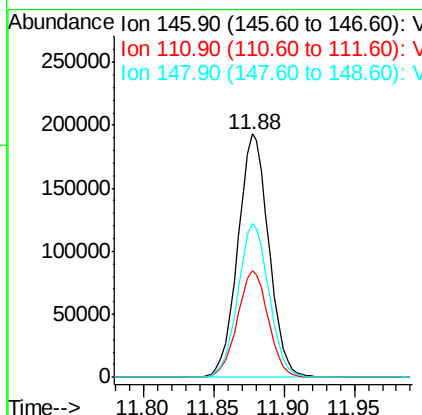
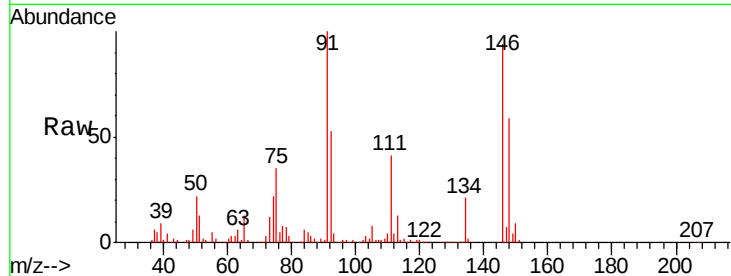
#91  
1,2-Dichlorobenzene  
Concen: 56.86 ug/l  
RT: 11.88 min Scan# 3329  
Delta R.T. 0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 297190 |       |       |
| 111     | 43.8  | 21.3   | 64.0  |       |
| 148     | 63.4  | 31.8   | 95.3  |       |

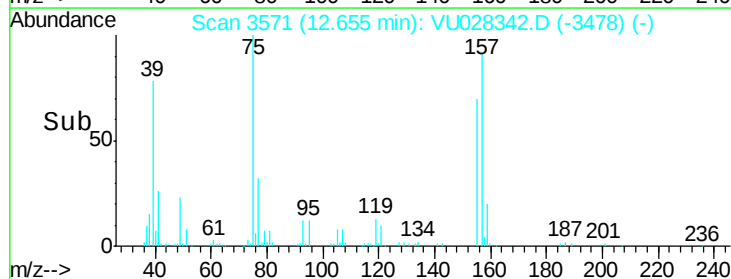
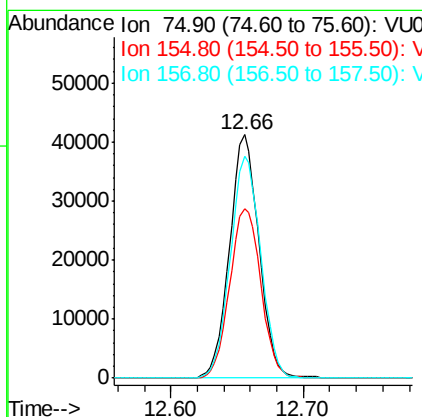
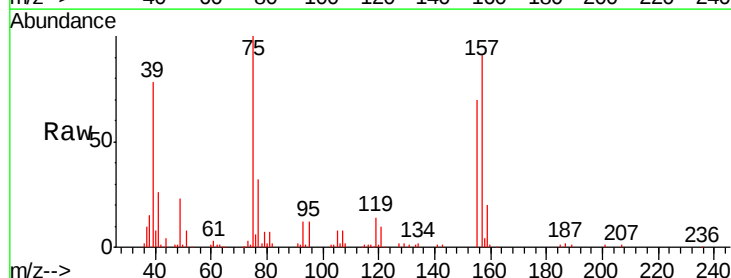
Manual Integrations  
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#92  
1,2-Dibromo-3-Chloropropane  
Concen: 61.09 ug/l  
RT: 12.66 min Scan# 3571  
Delta R.T. 0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 63706 |       |       |
| 155     | 73.6  | 39.8  | 119.3 |       |
| 157     | 94.0  | 50.6  | 151.9 |       |





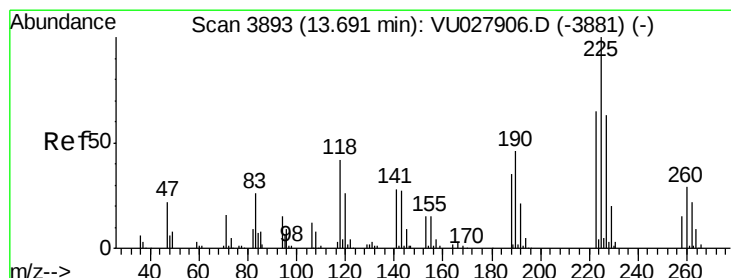
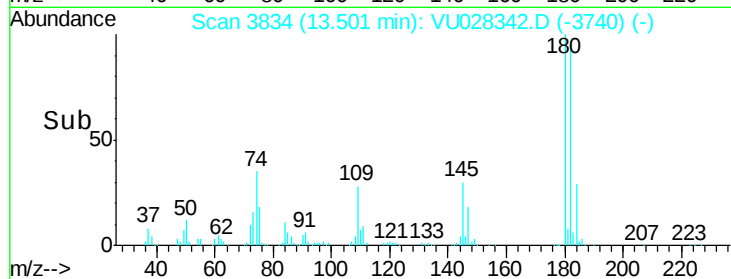
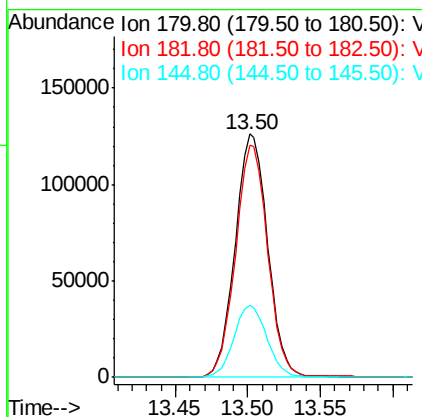
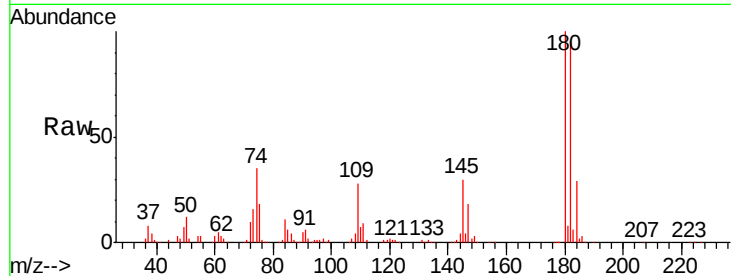
#93  
 1,2,4-Trichlorobenzene  
 Concen: 53.69 ug/l  
 RT: 13.50 min Scan# 3834  
 Delta R.T. 0.00 min  
 Lab File: VU028342.D  
 Acq: 27 Nov 2018 17:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 196978 |       |       |
| 182     | 93.9  | 48.4   | 145.2 |       |
| 145     | 30.0  | 14.9   | 44.5  |       |

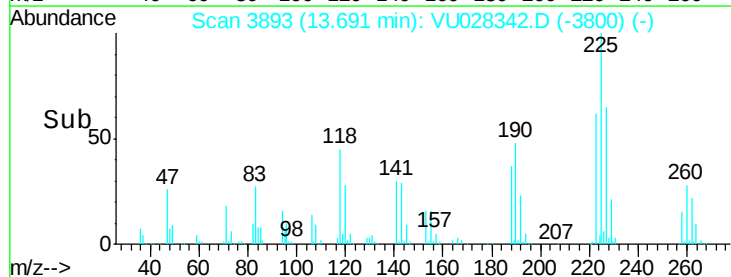
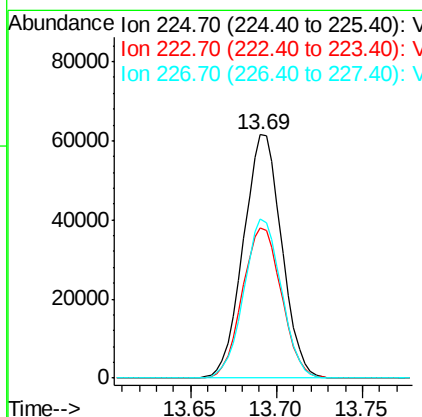
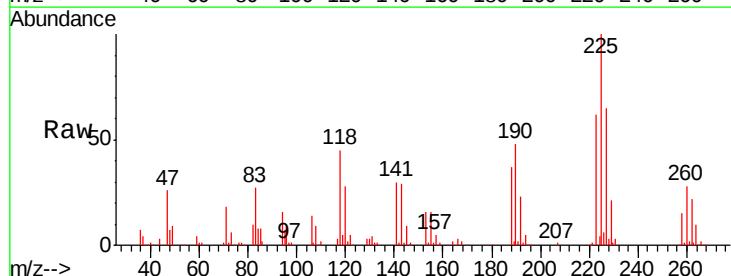
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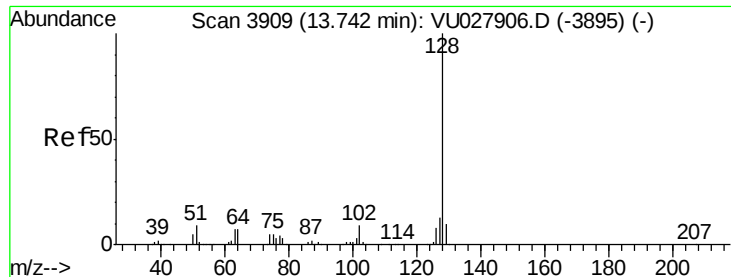
sam  
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#94  
 Hexachlorobutadiene  
 Concen: 57.39 ug/l  
 RT: 13.69 min Scan# 3893  
 Delta R.T. 0.00 min  
 Lab File: VU028342.D  
 Acq: 27 Nov 2018 17:41

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 95327 |       |       |
| 223     | 62.9  | 32.2  | 96.6  |       |
| 227     | 63.8  | 32.5  | 97.4  |       |





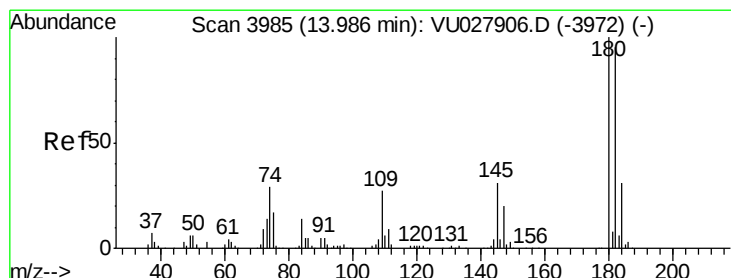
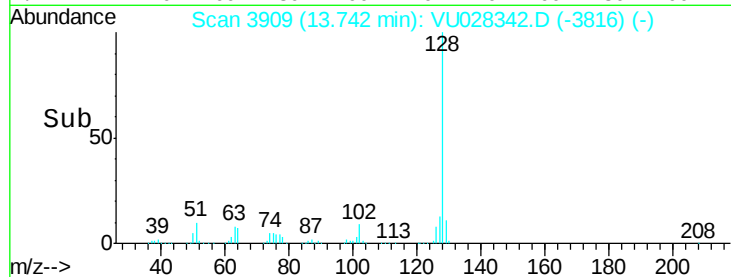
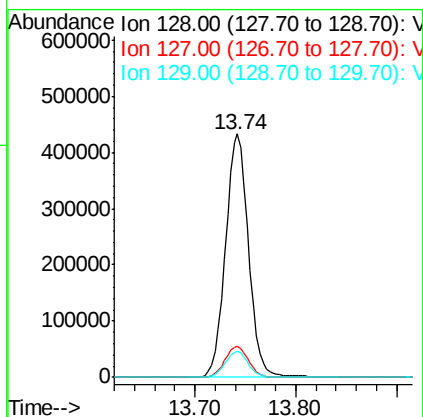
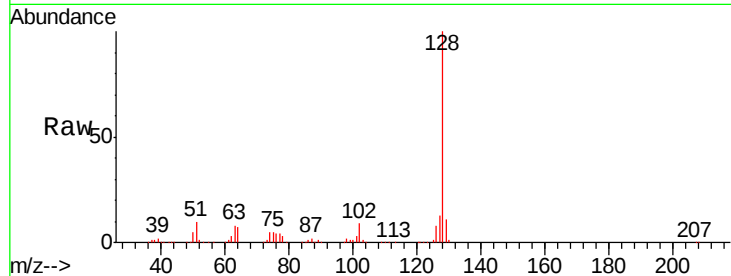
#95  
Naphthalene  
Concen: 53.23 ug/l  
RT: 13.74 min Scan# 3909  
Delta R.T. 0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.1  | 10.4  | 15.6  |
| 129     | 10.5  | 8.3   | 12.5  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 57.57 ug/l  
RT: 13.99 min Scan# 3985  
Delta R.T. 0.00 min  
Lab File: VU028342.D  
Acq: 27 Nov 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.7  | 47.4  | 142.3 |
| 145     | 32.2  | 16.0  | 47.9  |

