

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU063018\  
 Data File : VU025083.D  
 Acq On : 30 Jun 2018 13:08  
 Operator : MD/SY  
 Sample : VU0630MBS01  
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0630MBS01

Manual Integrations  
 APPROVED

apatel  
 7/2/2018 4:16:58 PM

Quant Time: Jul 02 06:37:49 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U061318W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 13 13:55:26 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.99  | 168  | 179841   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 267435   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 254093   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 146571   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 5.31   | 65  | 130806   | 44.55 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 89.10% |      |
| 35) Dibromofluoromethane  | 4.89   | 113 | 106573   | 48.02 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.04% |      |
| 50) Toluene-d8            | 7.57   | 98  | 351470   | 43.41 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 86.82% |      |
| 62) 4-Bromofluorobenzene  | 10.31  | 95  | 145680   | 45.32 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 90.64% |      |

## Target Compounds

|                               |      |     |        |        |      | Qvalue |
|-------------------------------|------|-----|--------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 38209  | 16.97  | ug/l | 97     |
| 3) Chloromethane              | 1.33 | 50  | 41813  | 18.18  | ug/l | 99     |
| 4) Vinyl Chloride             | 1.40 | 62  | 44533  | 18.78  | ug/l | 98     |
| 5) Bromomethane               | 1.62 | 94  | 30670  | 26.75  | ug/l | 99     |
| 6) Chloroethane               | 1.70 | 64  | 29756  | 21.86  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 1.89 | 101 | 74916  | 20.70  | ug/l | 99     |
| 8) Diethyl Ether              | 2.10 | 74  | 27942  | 21.62  | ug/l | 89     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.29 | 101 | 44455  | 19.80  | ug/l | 96     |
| 10) Methyl Iodide             | 2.41 | 142 | 46808  | 27.31  | ug/l | 97     |
| 11) Tert butyl alcohol        | 2.82 | 59  | 74678  | 104.58 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.28 | 96  | 40959  | 20.00  | ug/l | 99     |
| 13) Acrolein                  | 2.19 | 56  | 25235  | 67.30  | ug/l | 91     |
| 14) Allyl chloride            | 2.60 | 41  | 72325  | 19.02  | ug/l | 97     |
| 15) Acrylonitrile             | 2.94 | 53  | 144786 | 104.22 | ug/l | 98     |
| 16) Acetone                   | 2.32 | 43  | 171879 | 108.96 | ug/l | 97     |
| 17) Carbon Disulfide          | 2.48 | 76  | 117793 | 17.96  | ug/l | 100    |
| 18) Methyl Acetate            | 2.62 | 43  | 83959  | 24.83  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 3.00 | 73  | 164662 | 21.39  | ug/l | 96     |
| 20) Methylene Chloride        | 2.70 | 84  | 50958  | 20.59  | ug/l | 94     |
| 21) trans-1,2-Dichloroethene  | 2.99 | 96  | 46580  | 20.65  | ug/l | 96     |
| 22) Diisopropyl ether         | 3.57 | 45  | 156864 | 20.81  | ug/l | 90     |
| 23) Vinyl Acetate             | 3.53 | 43  | 663963 | 98.34  | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 3.45 | 63  | 89575  | 20.66  | ug/l | 99     |
| 25) 2-Butanone                | 4.26 | 43  | 224930 | 106.15 | ug/l | 96     |
| 26) 2,2-Dichloropropane       | 4.23 | 77  | 84203  | 20.45  | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 4.23 | 96  | 53655  | 20.69  | ug/l | 98     |
| 28) Bromochloromethane        | 4.55 | 49  | 38839  | 20.34  | ug/l | 89     |
| 29) Tetrahydrofuran           | 4.64 | 42  | 132850 | 101.24 | ug/l | 96     |
| 30) Chloroform                | 4.68 | 83  | 96016  | 21.88  | ug/l | 99     |
| 31) Cyclohexane               | 5.00 | 56  | 82886  | 20.36  | ug/l | 91     |
| 32) 1,1,1-Trichloroethane     | 4.92 | 97  | 87202  | 21.49  | ug/l | 97     |
| 36) 1,1-Dichloropropene       | 5.14 | 75  | 67265  | 21.40  | ug/l | 99     |
| 37) Ethyl Acetate             | 4.38 | 43  | 76796  | 22.42  | ug/l | 96     |
| 38) Carbon Tetrachloride      | 5.14 | 117 | 75676  | 21.90  | ug/l | 98     |

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 Misc : 5.00µ/10mL/100µL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0630MBS01

Manual Integrations  
 APPROVED

apatel  
 7/2/2018 4:16:58 PM

Quant Time: Jul 02 06:37:49 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U061318W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 13 13:55:26 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 6.42  | 83   | 83833    | 21.38  | ug/l   | 95       |
| 40) Benzene                    | 5.39  | 78   | 196049   | 21.89  | ug/l   | 99       |
| 41) Methacrylonitrile          | 4.54  | 41   | 42418    | 22.97  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 5.41  | 62   | 81255    | 23.83  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 5.55  | 43   | 123901   | 20.93  | ug/l   | 99       |
| 44) Trichloroethene            | 6.19  | 130  | 53215    | 20.88  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 6.44  | 63   | 51095    | 21.38  | ug/l   | 96       |
| 46) Dibromomethane             | 6.56  | 93   | 38032    | 22.66  | ug/l   | 95       |
| 47) Bromodichloromethane       | 6.76  | 83   | 71090    | 21.27  | ug/l   | 98       |
| 48) Methyl methacrylate        | 6.63  | 41   | 65060    | 22.57  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 6.62  | 88   | 29833    | 529.14 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 7.46  | 43   | 402993   | 108.34 | ug/l   | 98       |
| 52) Toluene                    | 7.64  | 92   | 124374   | 21.59  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 7.88  | 75   | 75375    | 20.08  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 7.27  | 75   | 81583    | 20.40  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 8.07  | 97   | 52980    | 22.62  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 8.02  | 69   | 80874    | 20.63  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 8.25  | 76   | 86968    | 22.01  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether  | 7.13  | 63   | 135603   | 90.30  | ug/l   | 95       |
| 59) 2-Hexanone                 | 8.36  | 43   | 325851   | 107.30 | ug/l   | 100      |
| 60) Dibromochloromethane       | 8.48  | 129  | 57566    | 19.71  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 8.59  | 107  | 56933    | 21.84  | ug/l   | 98       |
| 64) Tetrachloroethene          | 8.23  | 164  | 52781    | 21.85  | ug/l   | 97       |
| 65) Chlorobenzene              | 9.12  | 112  | 142609   | 21.97  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 53742    | 21.79  | ug/l   | 98       |
| 67) Ethyl Benzene              | 9.25  | 91   | 249190   | 21.90  | ug/l   | 98       |
| 68) m/p-Xylenes                | 9.38  | 106  | 192708   | 44.10  | ug/l   | 96       |
| 69) o-Xylene                   | 9.78  | 106  | 97409    | 22.52  | ug/l   | 93       |
| 70) Styrene                    | 9.80  | 104  | 149005   | 20.97  | ug/l   | 99       |
| 71) Bromoform                  | 9.96  | 173  | 44430    | 18.95  | ug/l # | 99       |
| 73) Isopropylbenzene           | 10.17 | 105  | 254924   | 22.65  | ug/l   | 99       |
| 74) N-amyl acetate             | 10.01 | 43   | 105669   | 19.74  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 84869    | 22.51  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 10.50 | 75   | 76781m   | 23.79  | ug/l   |          |
| 77) Bromobenzene               | 10.46 | 156  | 64190    | 22.53  | ug/l   | 94       |
| 78) n-propylbenzene            | 10.59 | 91   | 285245   | 21.52  | ug/l   | 97       |
| 79) 2-Chlorotoluene            | 10.66 | 91   | 175230   | 22.42  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 10.78 | 105  | 218830   | 22.44  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 10.51 | 75   | 27046m   | 19.40  | ug/l   |          |
| 82) 4-Chlorotoluene            | 10.78 | 91   | 198824   | 21.85  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.10 | 119  | 217623   | 23.20  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 218273   | 21.96  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 11.33 | 105  | 258573   | 22.02  | ug/l   | 97       |
| 86) p-Isopropyltoluene         | 11.48 | 119  | 228684   | 21.74  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 11.42 | 146  | 113442   | 21.55  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 11.51 | 146  | 116050   | 21.91  | ug/l   | 99       |
| 89) n-Butylbenzene             | 11.89 | 91   | 176878   | 18.94  | ug/l   | 97       |
| 90) Hexachloroethane           | 12.15 | 117  | 39542    | 19.27  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 11.88 | 146  | 119998   | 22.76  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 21402    | 20.57  | ug/l   | 94       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU063018\  
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Acq On : 30 Jun 2018 13:08  
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Sample : VU0630MBS01  
Misc : 5.00g/10mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0630MBS01

Manual Integrations  
APPROVED

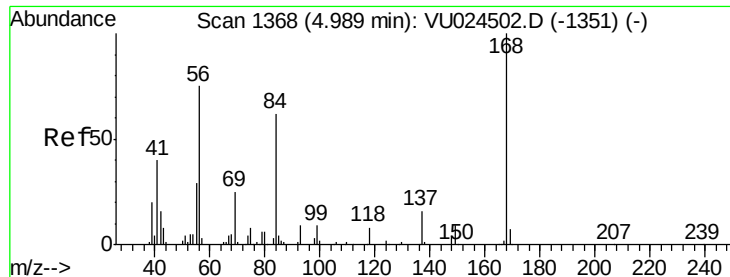
apatel  
7/2/2018 4:16:58 PM

Quant Time: Jul 02 06:37:49 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U061318W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 13 13:55:26 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.51 | 180  | 71781    | 22.05 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 13.69 | 225  | 41228    | 22.50 | ug/l  | 98       |
| 95) Naphthalene            | 13.74 | 128  | 242813   | 22.90 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 13.99 | 180  | 78320    | 24.14 | ug/l  | 97       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA\_U

ClientSampleId :

VU0630MBS01

Tot Ion:168 Resp: 179841

Ion Ratio Lower Upper

168 100

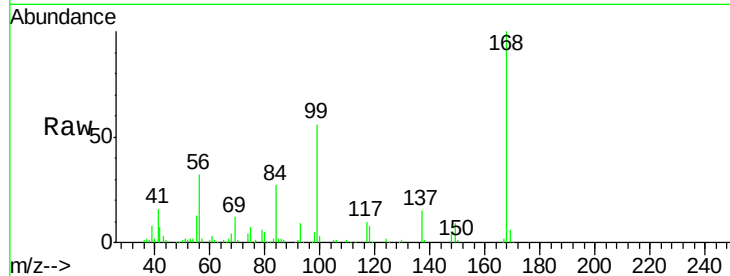
99 56.0 43.2 64.8

Manual Integrations

APPROVED

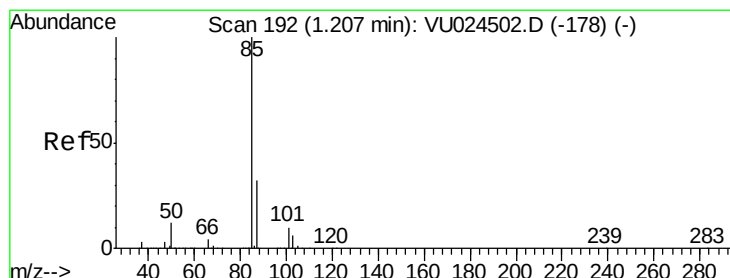
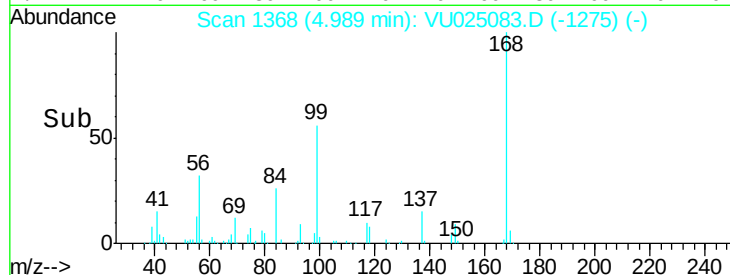
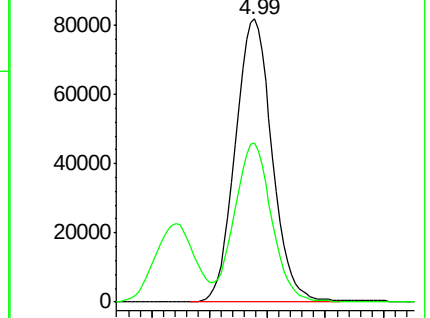
apatel

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 16.97 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025083.D

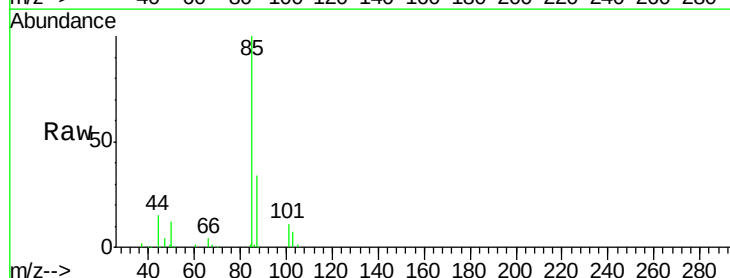
Acq: 30 Jun 2018 13:08

Tgt Ion: 85 Resp: 38209

Ion Ratio Lower Upper

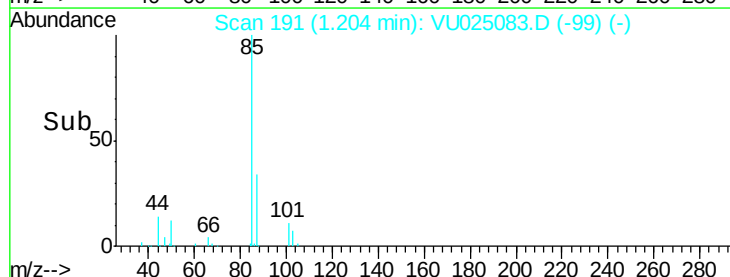
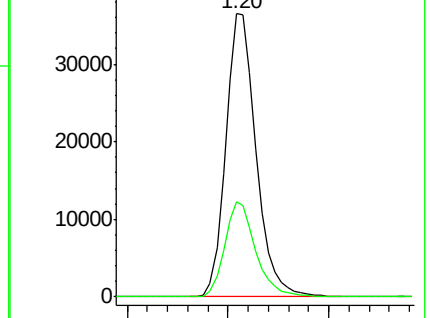
85 100

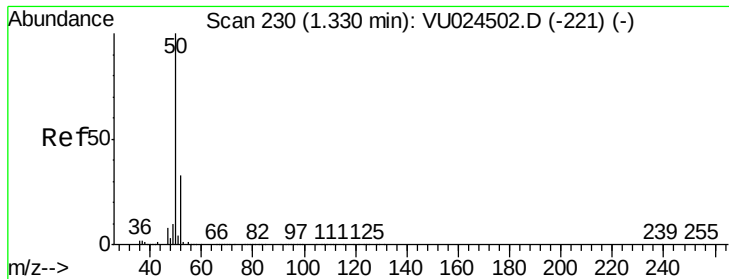
87 33.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 18.18 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA\_U

ClientSampleId :

VU0630MBS01

Tot Ion: 50 Resp: 41813

Ion Ratio Lower Upper

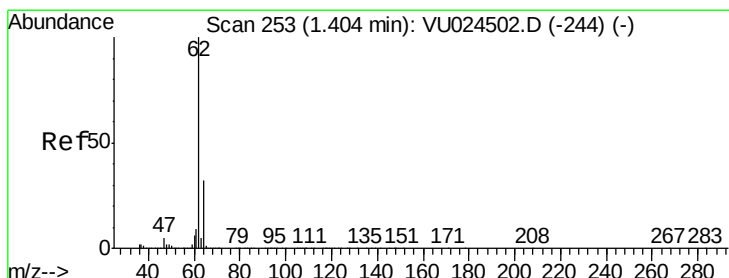
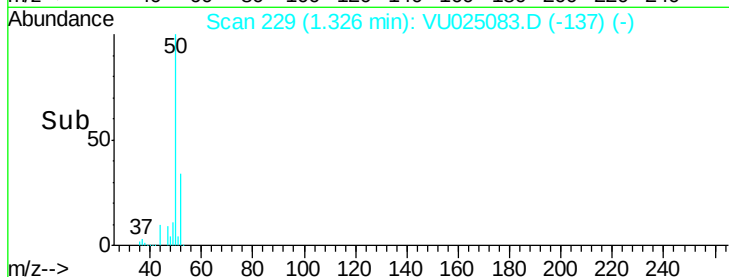
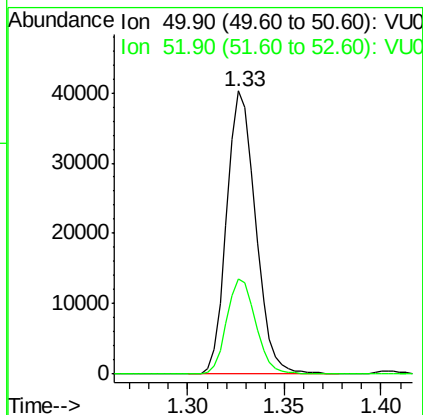
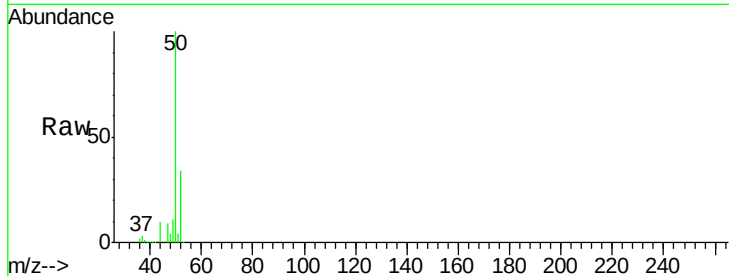
50 100

52 33.6 26.4 39.6

Manual Integrations  
APPROVED

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#4

Vinyl Chloride

Concen: 18.78 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025083.D

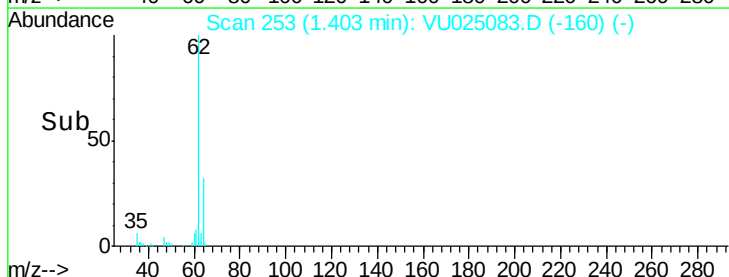
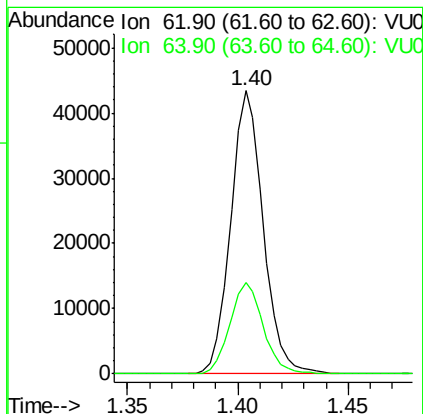
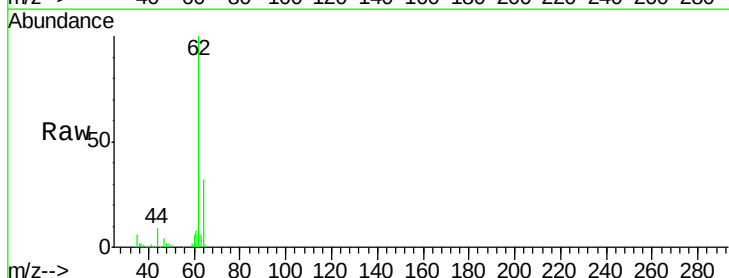
Acq: 30 Jun 2018 13:08

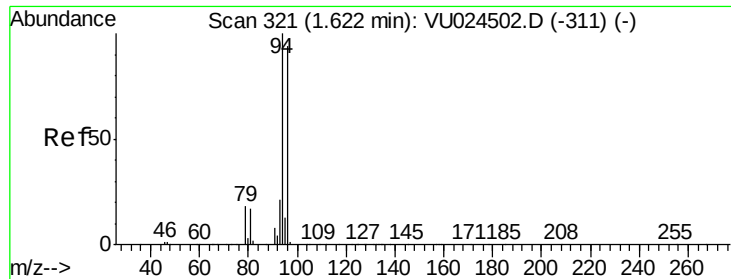
Tgt Ion: 62 Resp: 44533

Ion Ratio Lower Upper

62 100

64 32.3 24.8 37.2





#5

Bromomethane

Concen: 26.75 ug/l

RT: 1.62 min Scan# 321

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA\_U

ClientSampleId :

VU0630MBS01

Tot Ion: 94 Resp: 30670

Ion Ratio Lower Upper

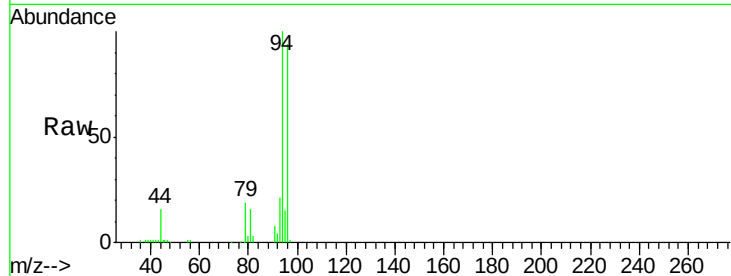
94 100

96 94.4 74.5 111.7

Manual Integrations  
APPROVED

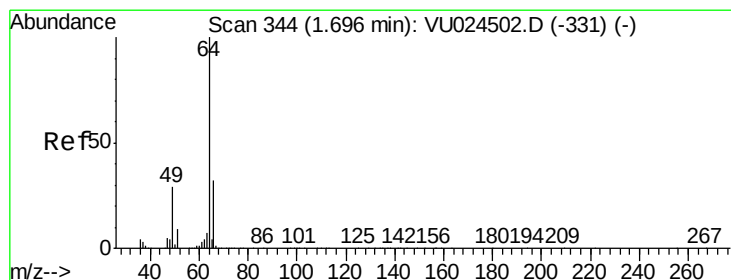
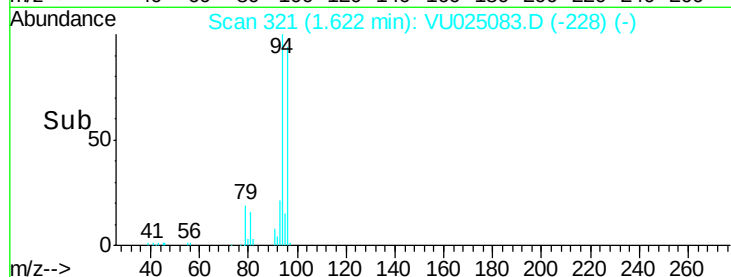
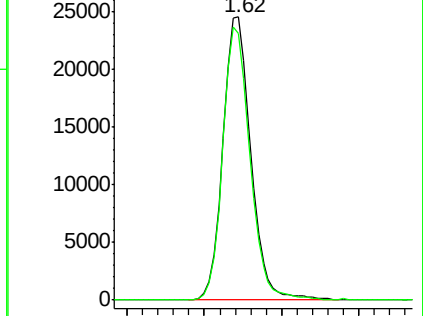
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 21.86 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025083.D

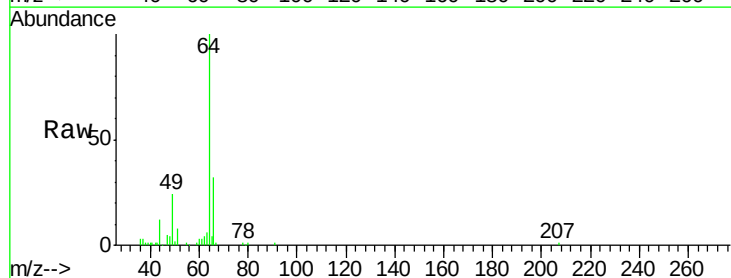
Acq: 30 Jun 2018 13:08

Tgt Ion: 64 Resp: 29756

Ion Ratio Lower Upper

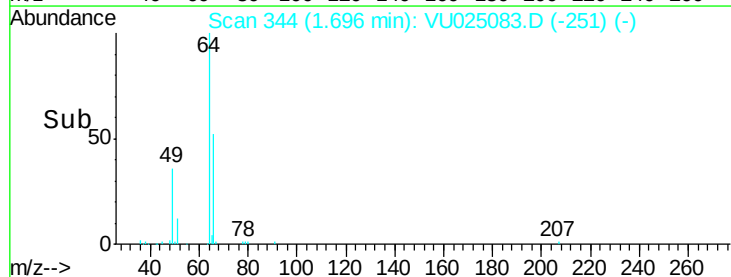
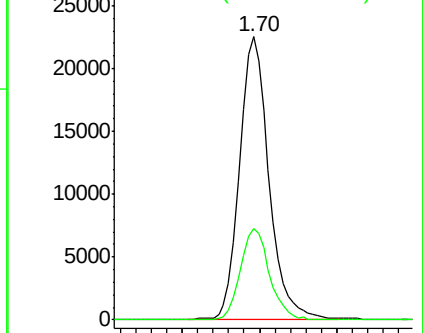
64 100

66 32.2 25.5 38.3

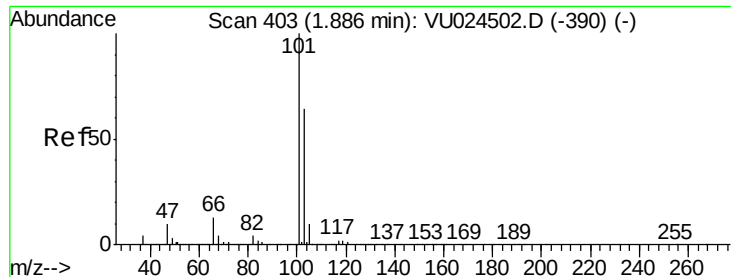


Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0







#7

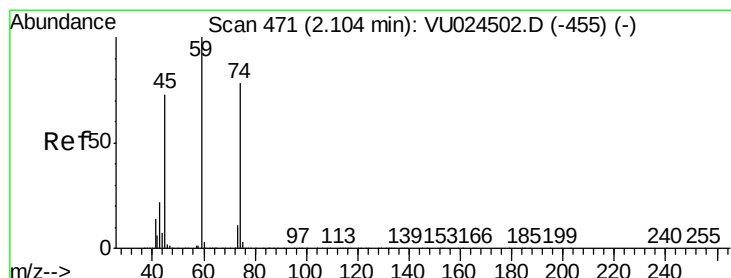
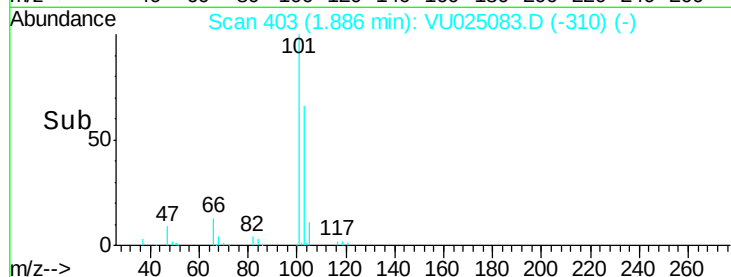
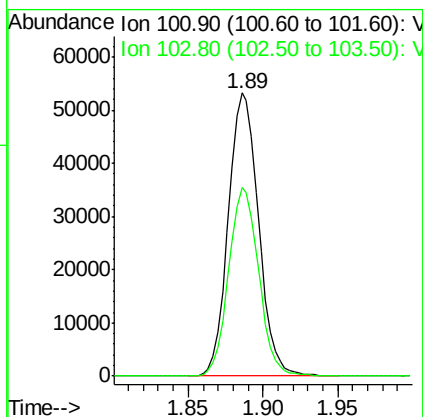
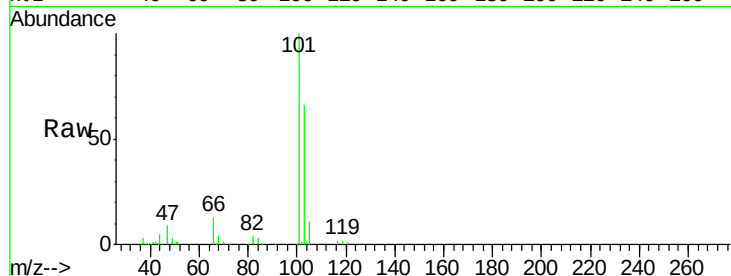
Trichlorofluoromethane  
Concen: 20.70 ug/l  
RT: 1.89 min Scan# 403  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0630MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 66.5  | 52.3  | 78.5  |

Manual Integrations  
APPROVED

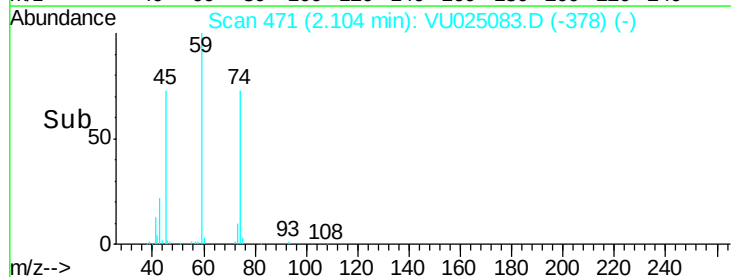
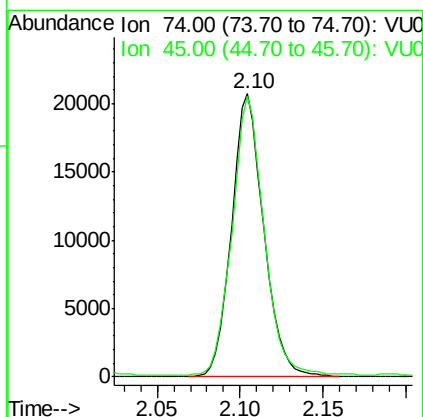
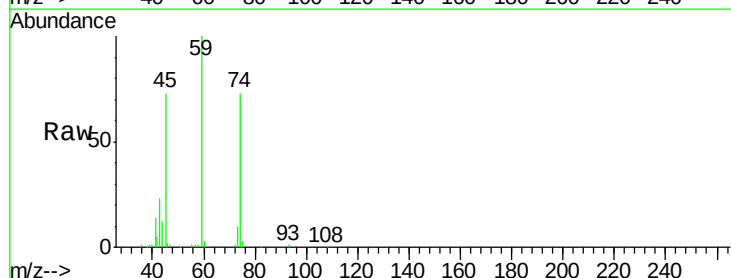
apatel  
7/2/2018 4:16:58 PM



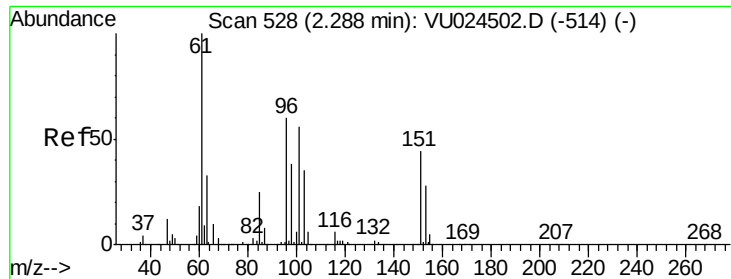
#8

Diethyl Ether  
Concen: 21.62 ug/l  
RT: 2.10 min Scan# 471  
Delta R.T. 0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 98.7  | 55.0  | 165.0 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.80 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA\_U

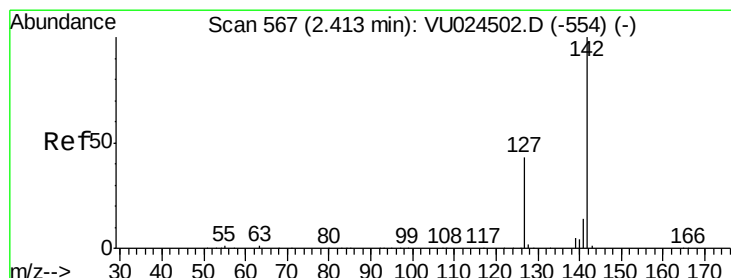
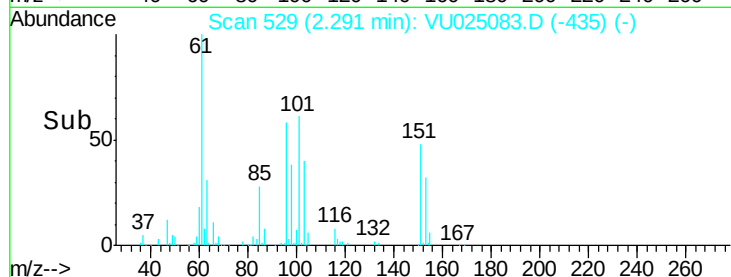
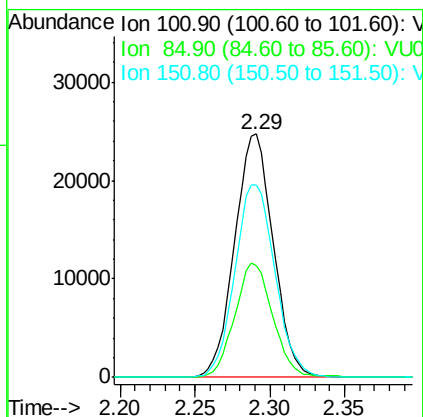
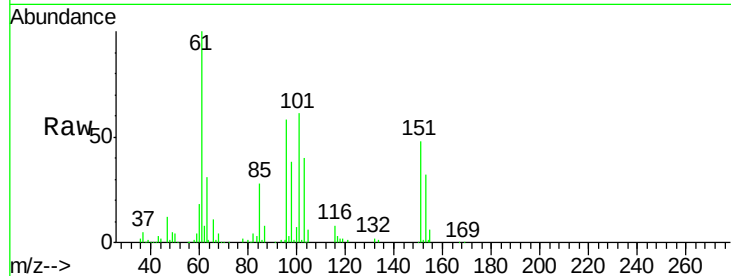
ClientSampleId :

VU0630MBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 44455 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 46.2  | 36.0  | 54.0  |
| 151       | 82.3  | 62.3  | 93.5  |

Manual Integrations  
APPROVED

apatel  
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#10

Methyl Iodide

Concen: 27.31 ug/l

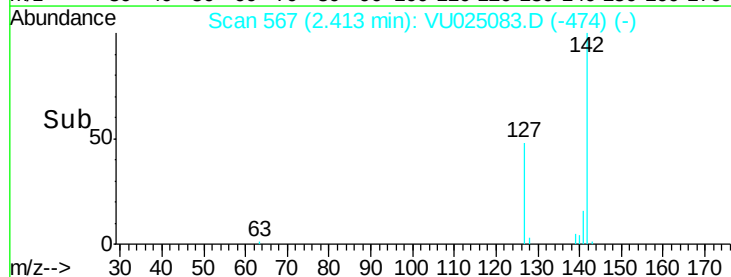
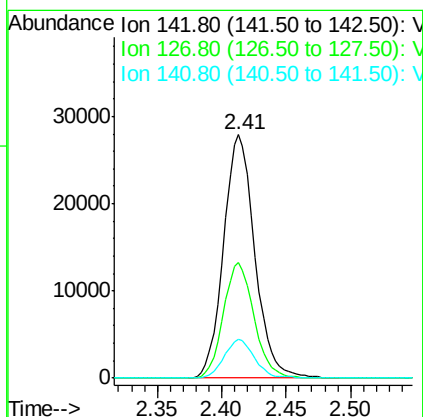
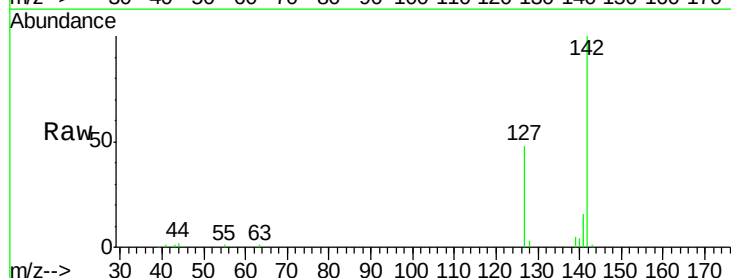
RT: 2.41 min Scan# 567

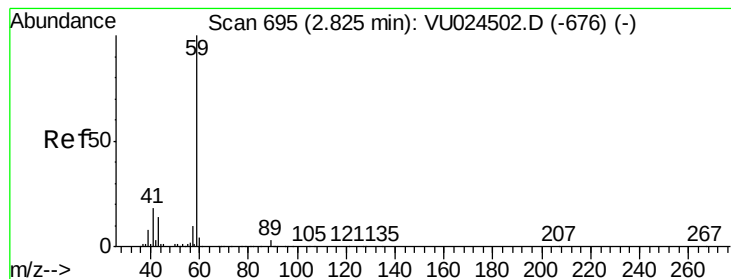
Delta R.T. 0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 46808 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 46.4  | 35.6  | 53.4  |
| 141       | 15.4  | 11.7  | 17.5  |





#11

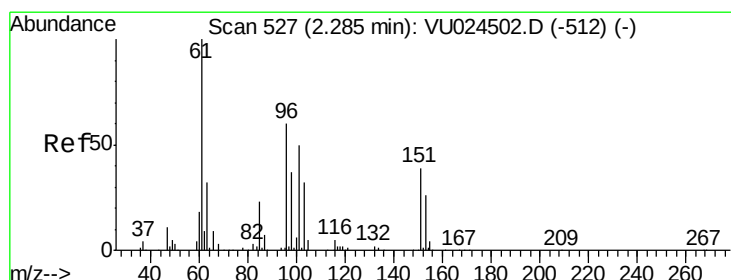
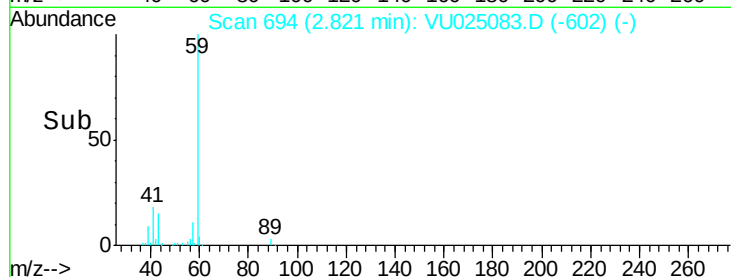
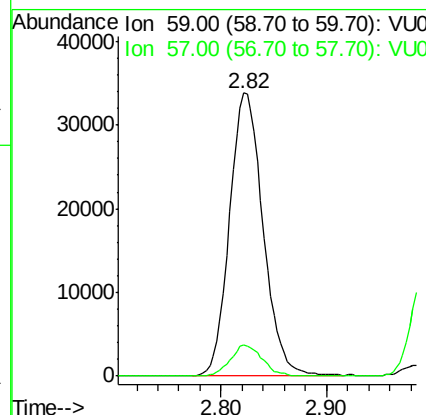
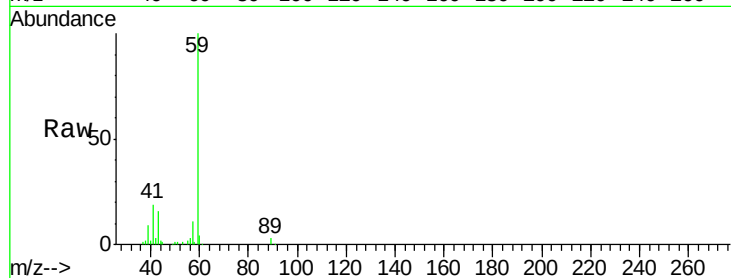
Tert butyl alcohol  
 Concen: 104.58 ug/l  
 RT: 2.82 min Scan# 694  
 Delta R.T. -0.00 min  
 Lab File: VU025083.D  
 Acq: 30 Jun 2018 13:08

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0630MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.4  | 8.5   | 12.7  |

Manual Integrations  
 APPROVED

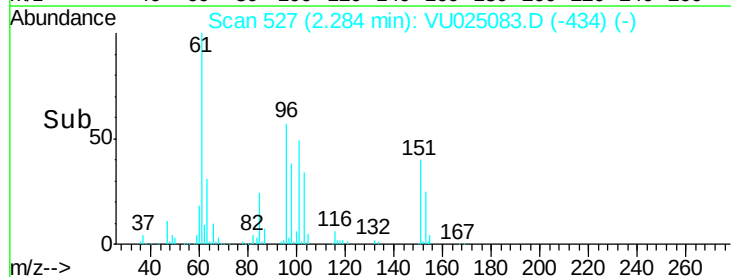
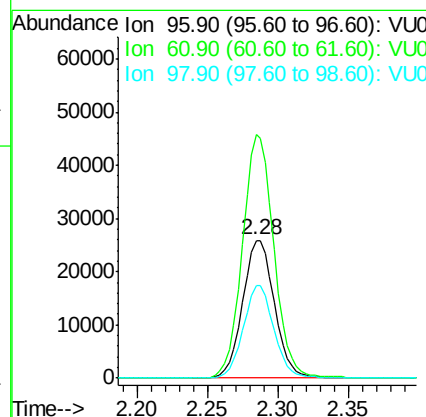
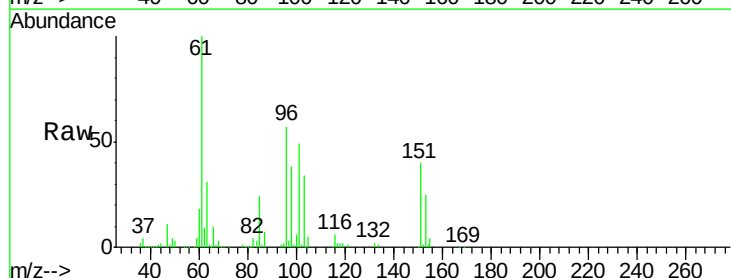
apatel  
 7/2/2018 4:16:58 PM

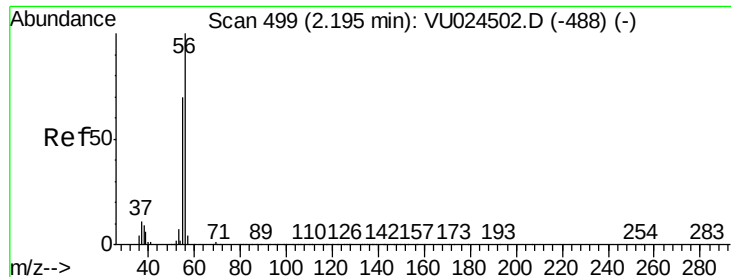


#12

1,1-Dichloroethene  
 Concen: 20.00 ug/l  
 RT: 2.28 min Scan# 527  
 Delta R.T. -0.00 min  
 Lab File: VU025083.D  
 Acq: 30 Jun 2018 13:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 176.6 | 141.7 | 212.5 |
| 98      | 67.2  | 51.6  | 77.4  |





#13

Acrolein

Concen: 67.30 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA\_U

ClientSampleId :

VU0630MBS01

Tot Ion: 56 Resp: 25235

Ion Ratio Lower Upper

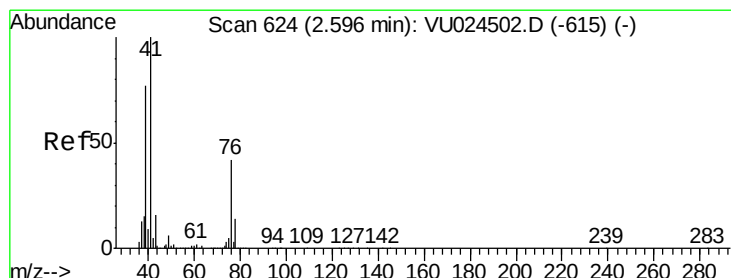
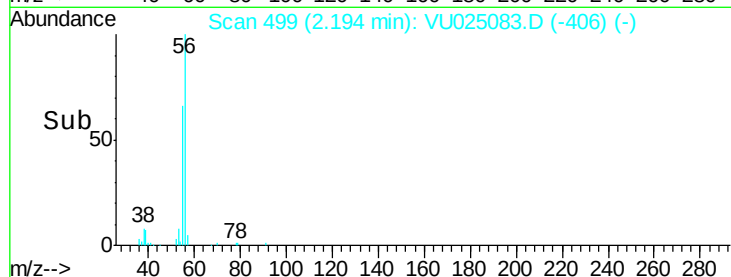
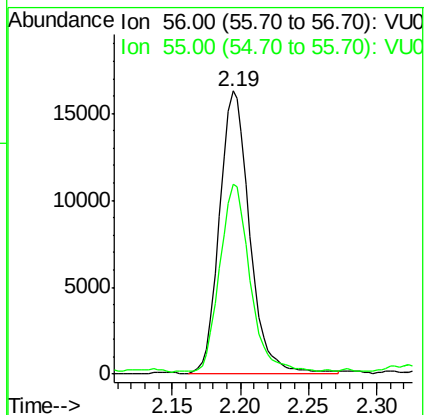
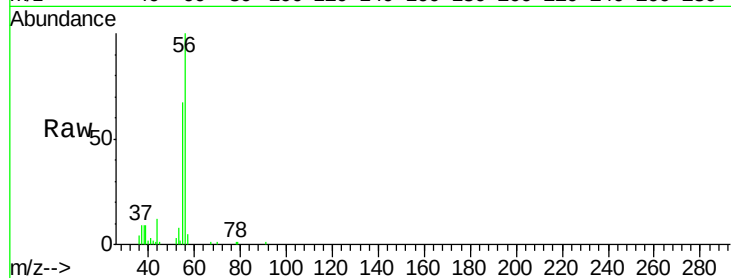
56 100

55 65.6 58.4 87.6

Manual Integrations  
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#14

Allyl chloride

Concen: 19.02 ug/l

RT: 2.60 min Scan# 624

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

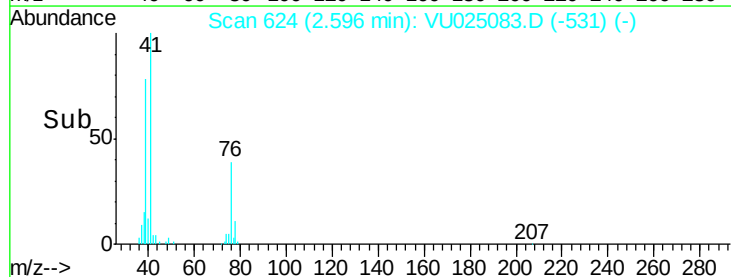
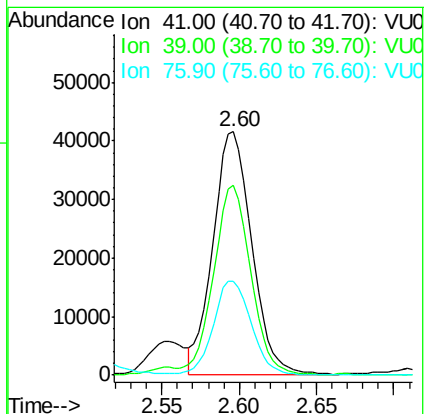
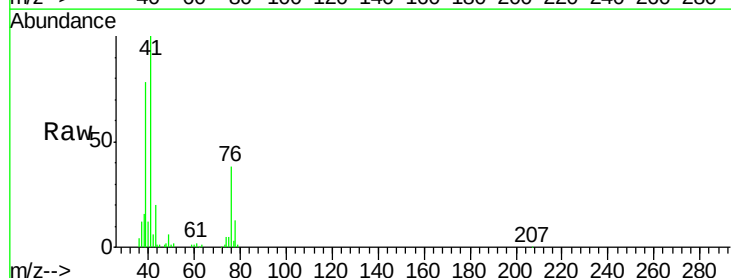
Tgt Ion: 41 Resp: 72325

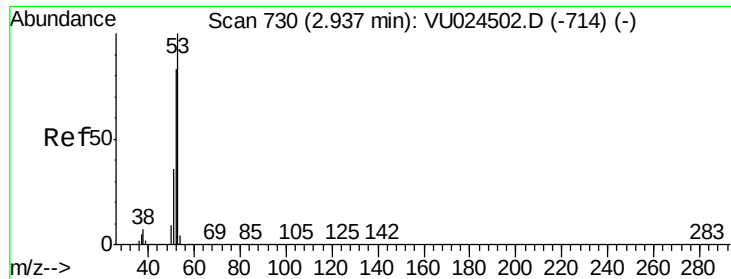
Ion Ratio Lower Upper

41 100

39 74.3 61.6 92.4

76 38.2 29.7 44.5





#15

Acrylonitrile

Concen: 104.22 ug/l

RT: 2.94 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA\_U

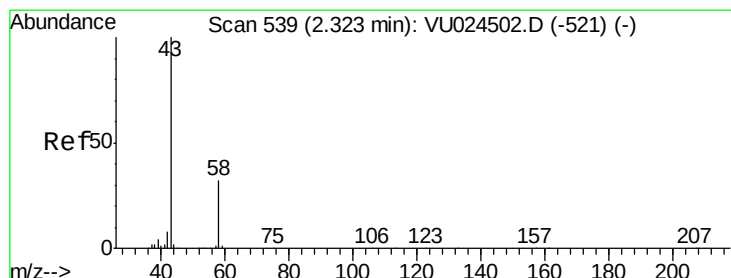
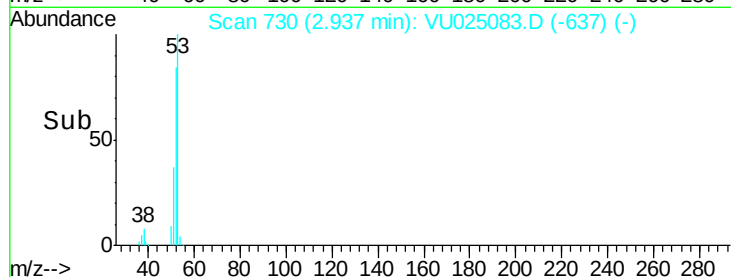
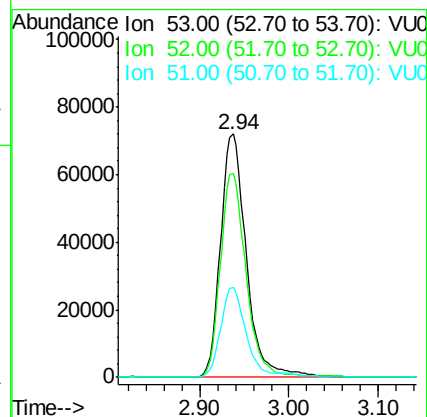
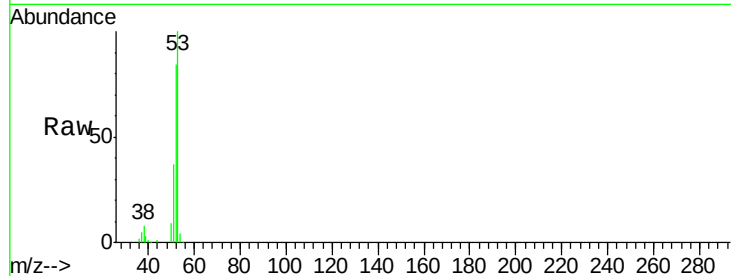
ClientSampleId :

VU0630MBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 144786 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 83.0  | 67.1  | 100.7  |
| 51       | 37.2  | 28.4  | 42.6   |

Manual Integrations  
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#16

Acetone

Concen: 108.96 ug/l

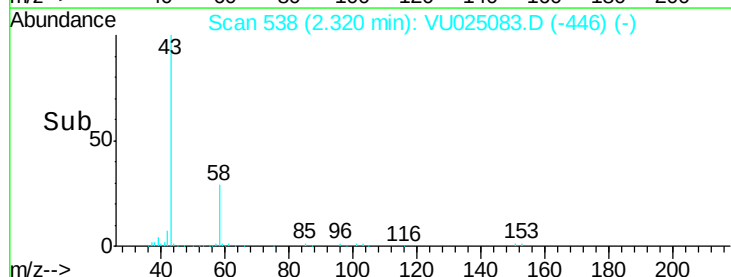
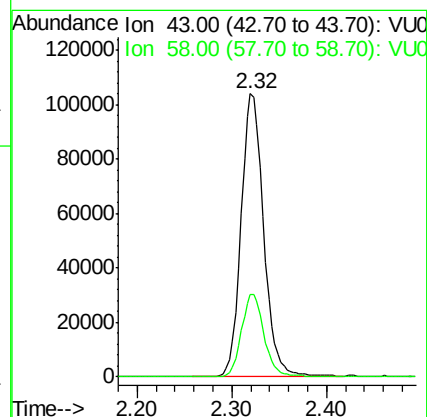
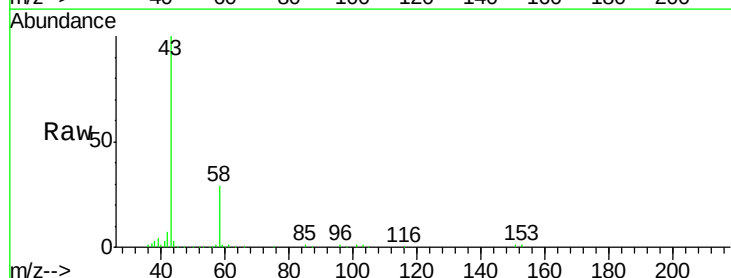
RT: 2.32 min Scan# 538

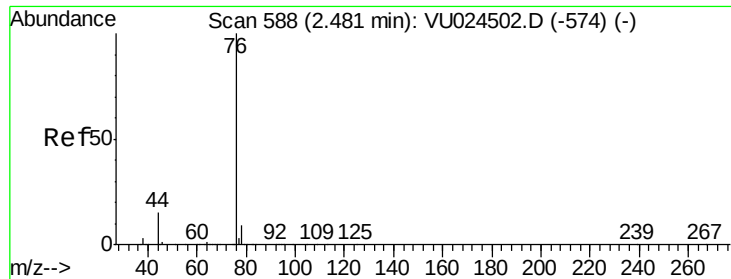
Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 171879 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 29.0  | 24.4  | 36.6   |





#17

Carbon Disulfide

Concen: 17.96 ug/l

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA\_U

ClientSampleId :

VU0630MBS01

Tot Ion: 76 Resp: 117793

Ion Ratio Lower Upper

76 100

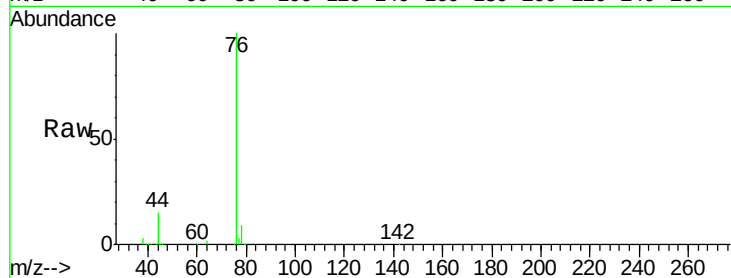
78 9.0 7.1 10.7

Manual Integrations

APPROVED

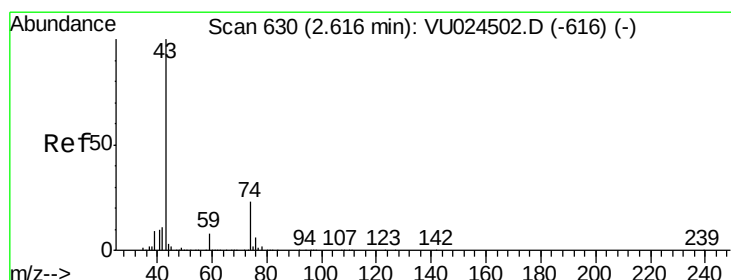
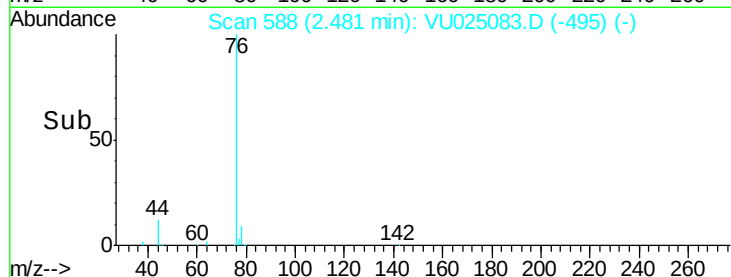
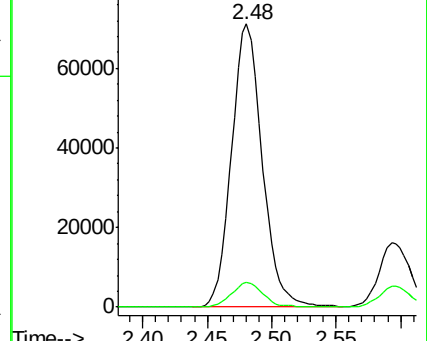
apatel

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 24.83 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025083.D

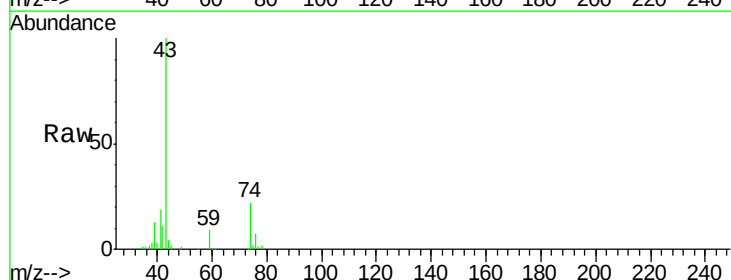
Acq: 30 Jun 2018 13:08

Tgt Ion: 43 Resp: 83959

Ion Ratio Lower Upper

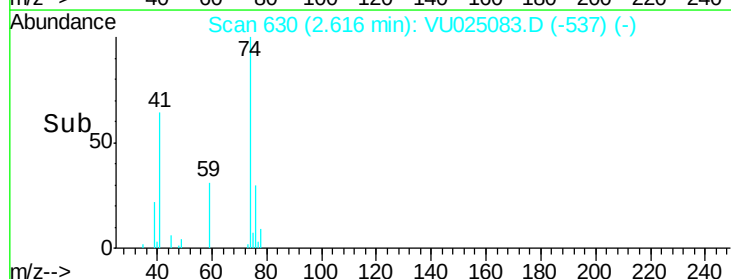
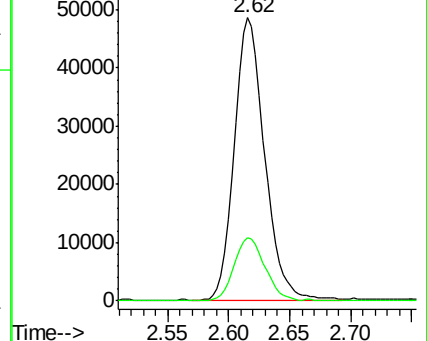
43 100

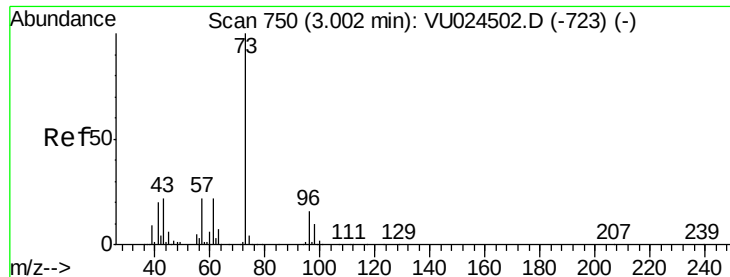
74 22.8 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#19

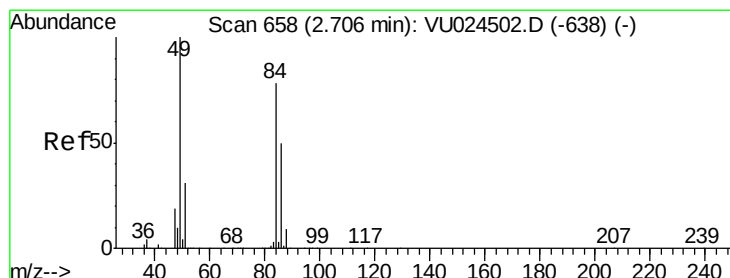
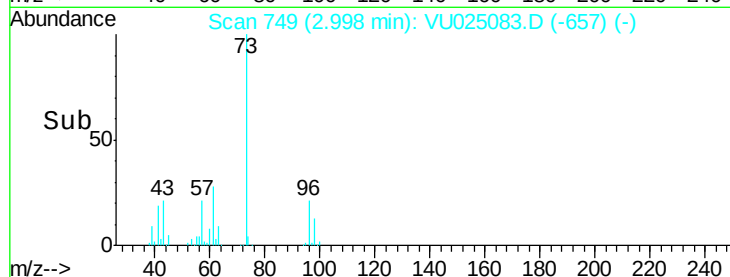
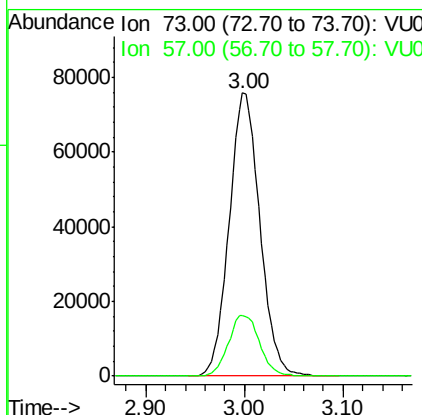
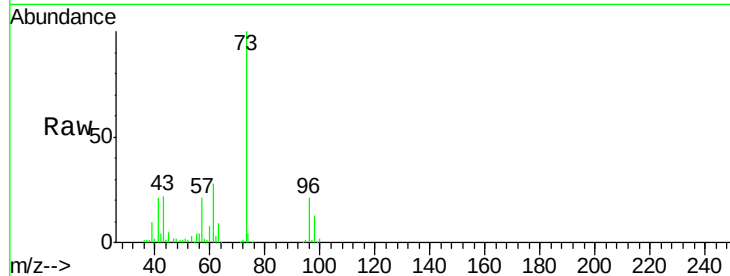
Methyl tert-butyl Ether  
 Concen: 21.39 ug/l  
 RT: 3.00 min Scan# 749  
 Delta R.T. -0.00 min  
 Lab File: VU025083.D  
 Acq: 30 Jun 2018 13:08

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0630MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 21.4  | 18.8  | 28.2  |

Manual Integrations  
 APPROVED

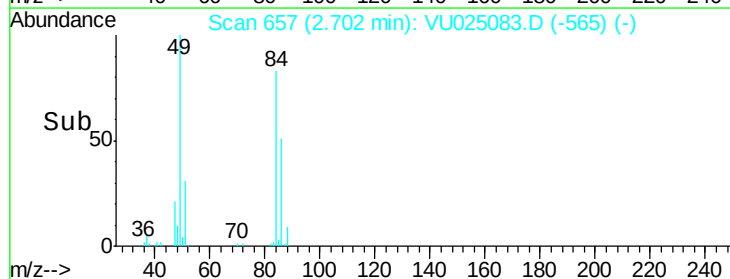
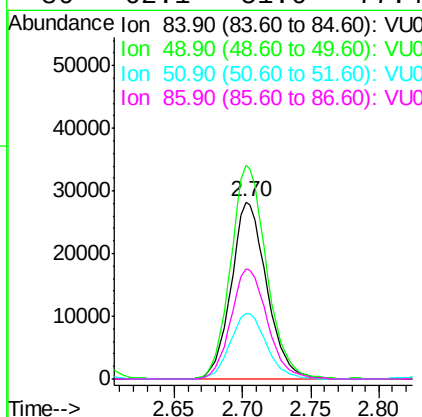
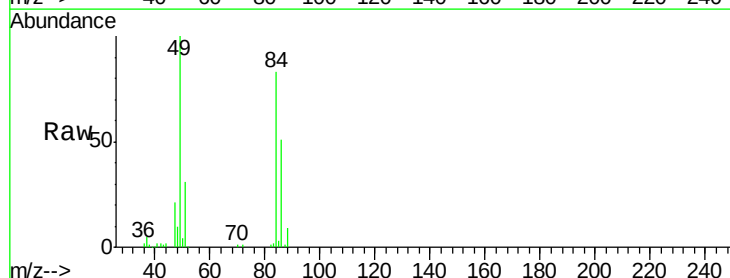
apatel  
 7/2/2018 4:16:58 PM

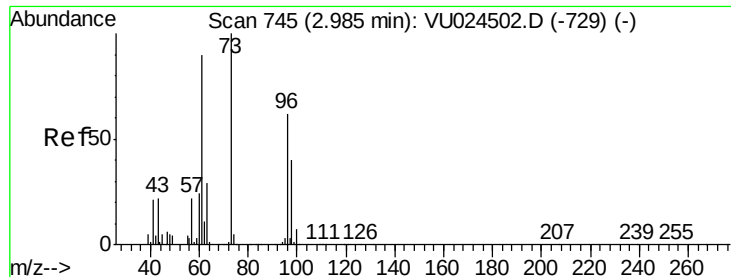


#20

Methylene Chloride  
 Concen: 20.59 ug/l  
 RT: 2.70 min Scan# 657  
 Delta R.T. -0.00 min  
 Lab File: VU025083.D  
 Acq: 30 Jun 2018 13:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 120.8 | 103.8 | 155.8 |
| 51      | 37.2  | 32.0  | 48.0  |
| 86      | 62.1  | 51.6  | 77.4  |





#21

trans-1,2-Dichloroethene

Concen: 20.65 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA\_U

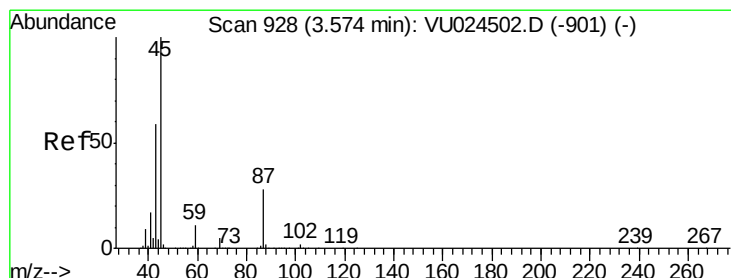
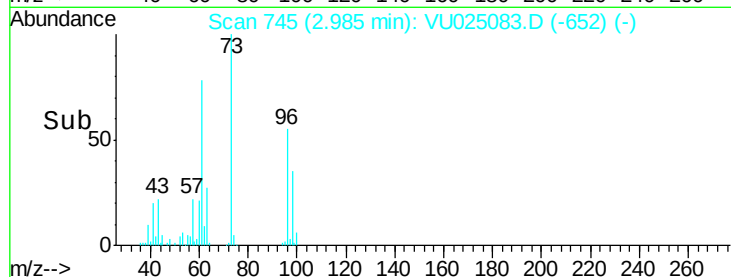
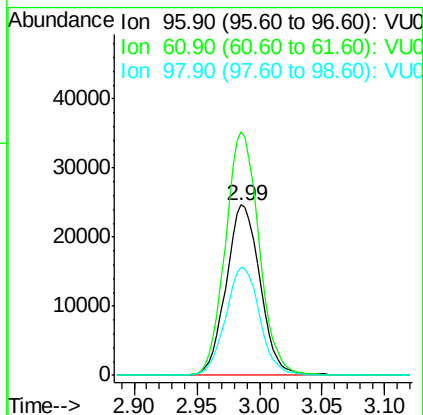
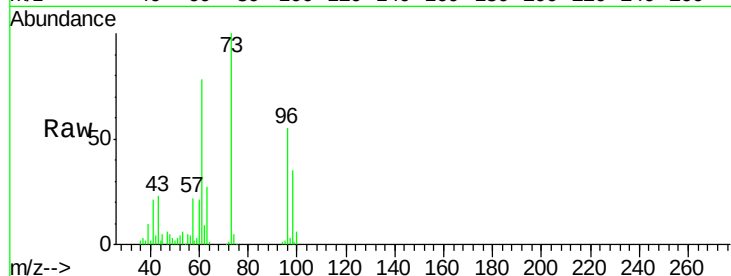
ClientSampleId :

VU0630MBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 46580 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 142.7 | 119.4 | 179.0 |
| 98       | 63.6  | 51.1  | 76.7  |

Manual Integrations  
APPROVED

apatel  
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#22

Diisopropyl ether

Concen: 20.81 ug/l

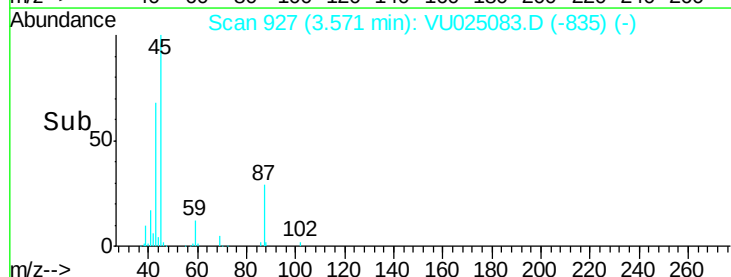
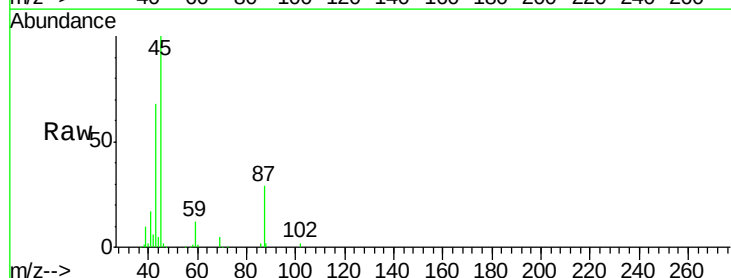
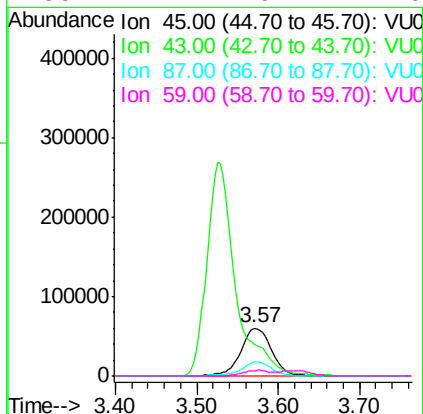
RT: 3.57 min Scan# 927

Delta R.T. -0.00 min

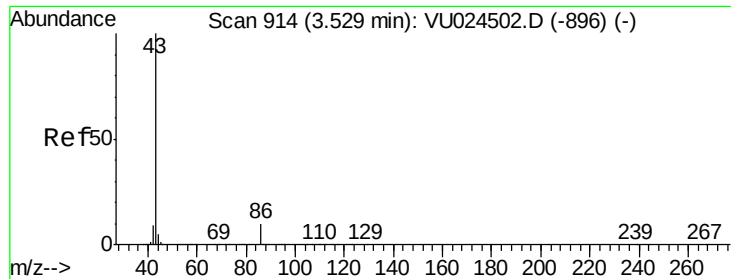
Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 156864 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 67.1  | 45.8  | 68.6   |
| 87       | 29.4  | 20.6  | 31.0   |
| 59       | 11.7  | 9.4   | 14.0   |







#23

Vinyl Acetate

Concen: 98.34 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA\_U

ClientSampleId :

VU0630MBS01

Tot Ion: 43 Resp: 663963

Ion Ratio Lower Upper

43 100

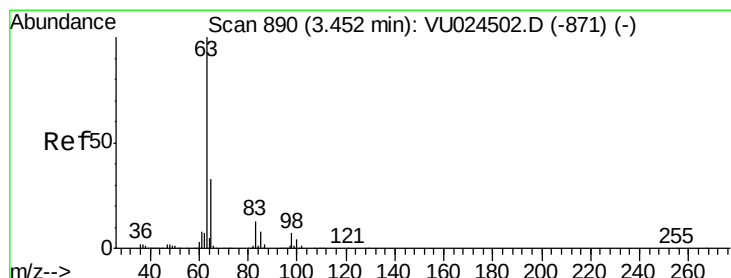
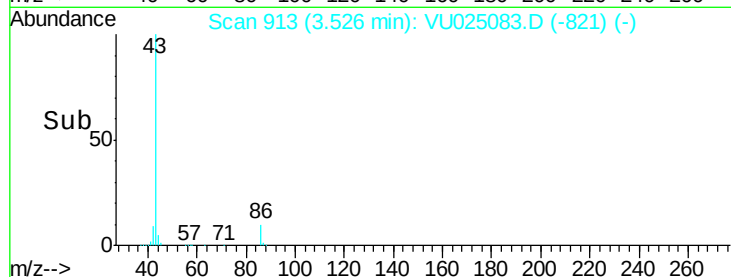
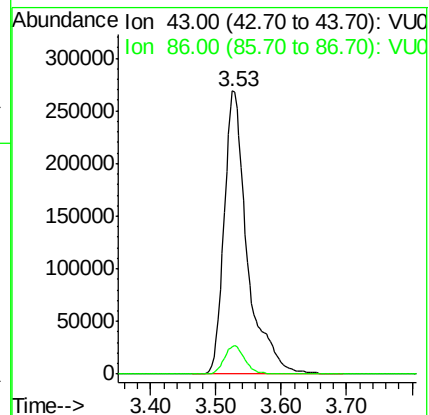
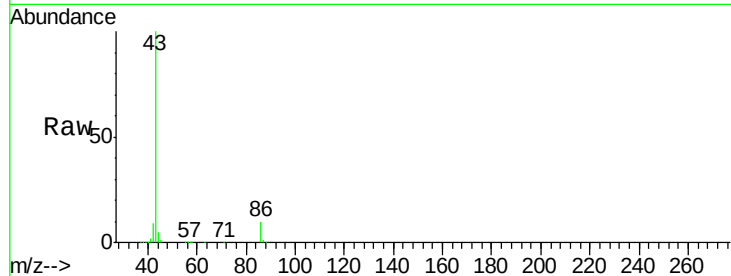
86 9.8 7.8 11.8

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#24

1,1-Dichloroethane

Concen: 20.66 ug/l

RT: 3.45 min Scan# 890

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

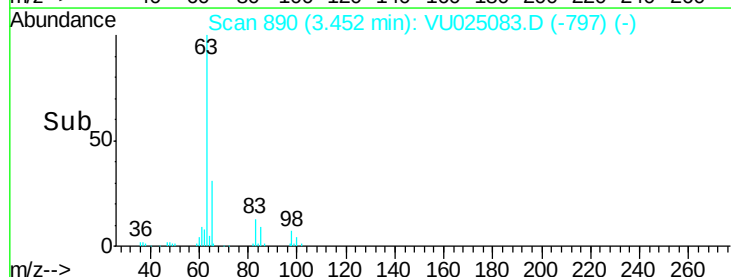
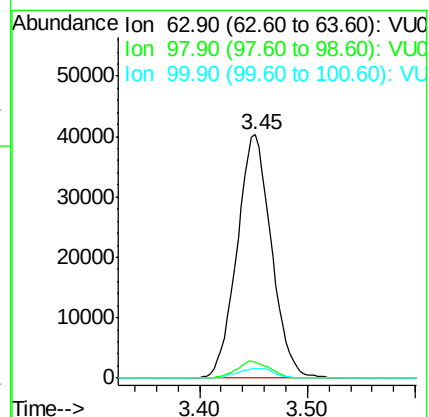
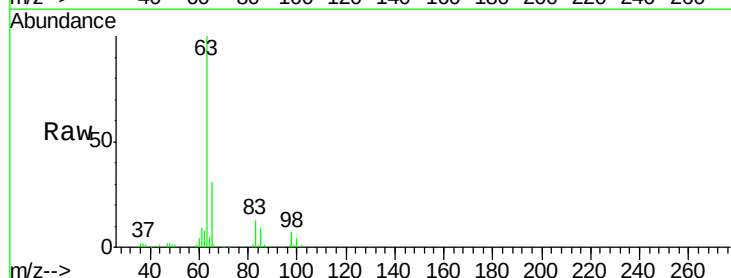
Tgt Ion: 63 Resp: 89575

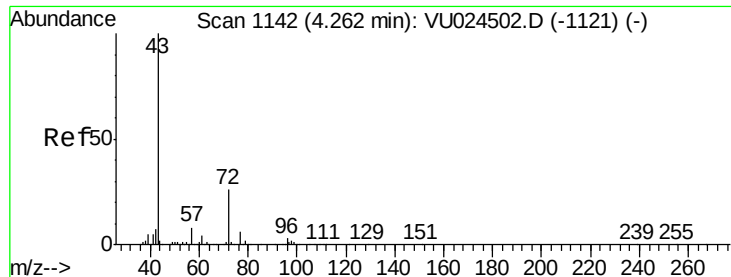
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

100 3.9 1.8 5.5





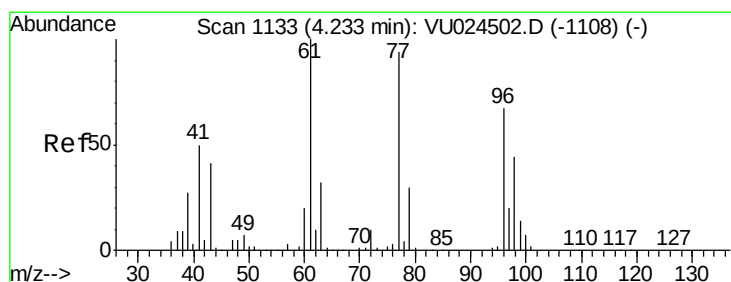
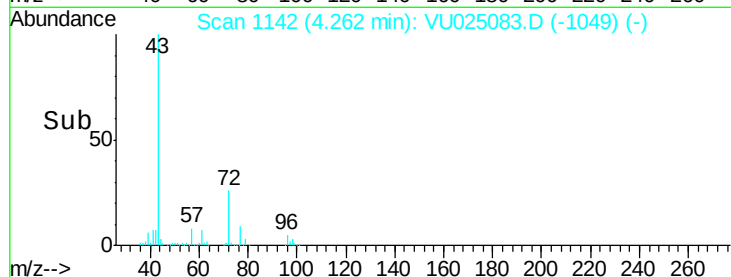
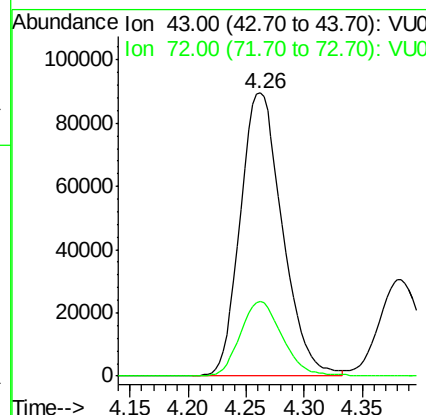
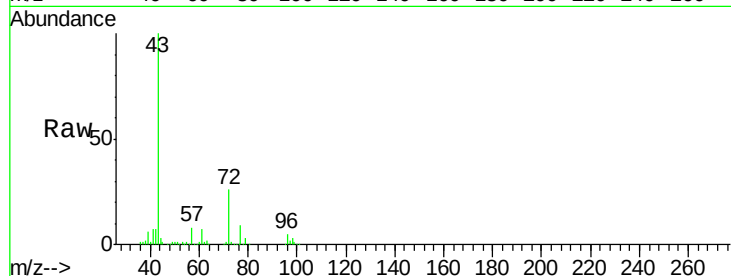
#25  
2-Butanone  
Concen: 106.15 ug/l  
RT: 4.26 min Scan# 1142  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

Instrument :  
MSVOA\_U  
ClientSampled :  
VU0630MBS01

| Tot Ion   | 43   | Resp  | 224930 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 72        | 26.4 | 19.6  | 29.4   |

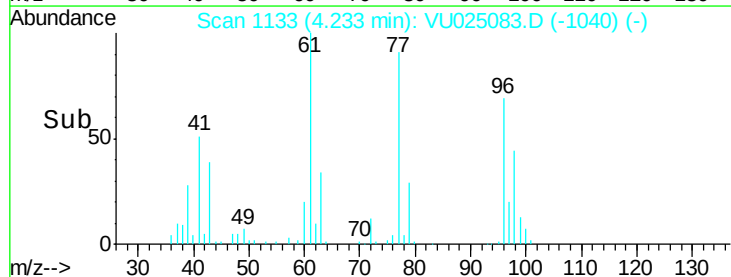
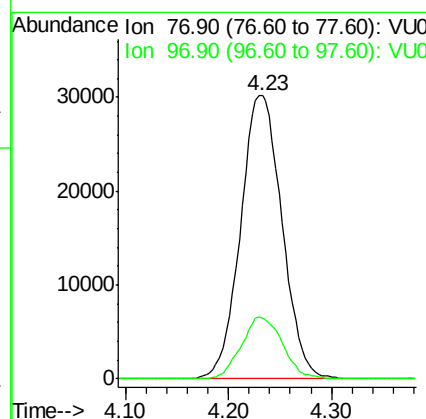
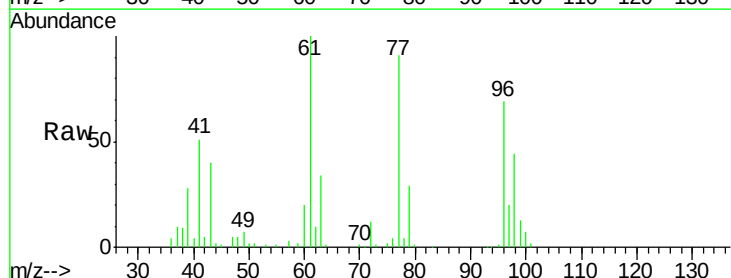
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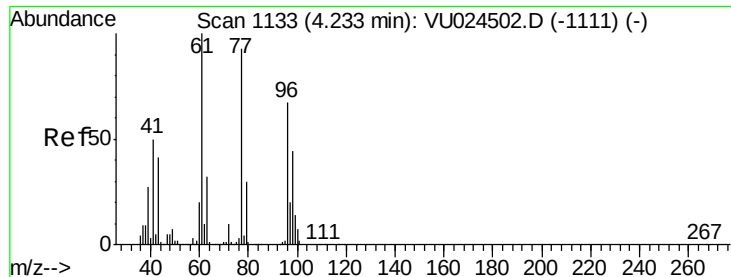
apatel  
7/2/2018 4:16:58 PM



#26  
2,2-Dichloropropane  
Concen: 20.45 ug/l  
RT: 4.23 min Scan# 1133  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

| Tgt Ion   | 77   | Resp  | 84203 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 97        | 21.6 | 11.3  | 33.8  |





#27

cis-1,2-Dichloroethene

Concen: 20.69 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA\_U

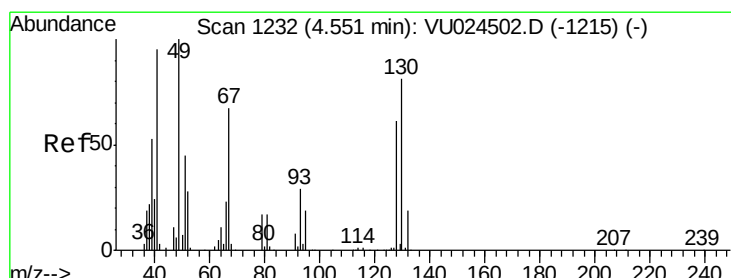
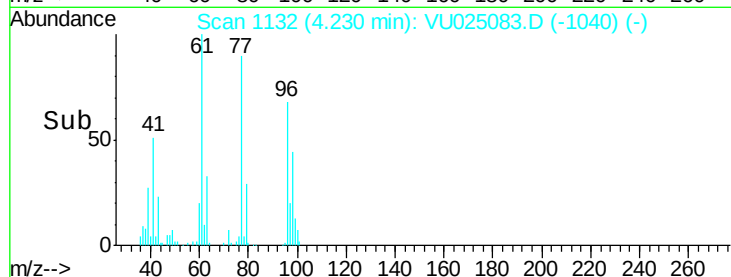
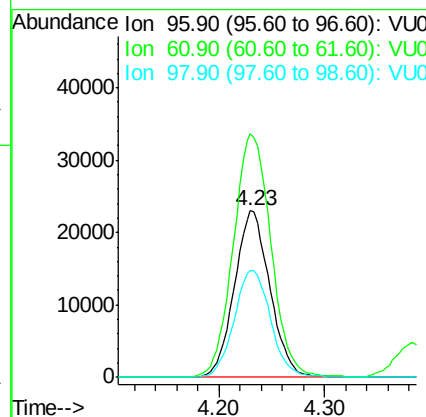
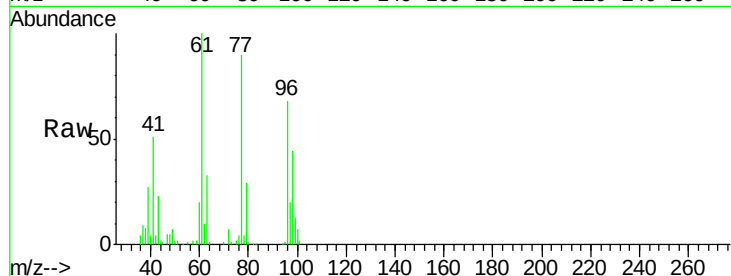
ClientSampleId :

VU0630MBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 53655 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 155.5 | 0.0   | 306.6 |
| 98       | 66.2  | 0.0   | 128.8 |

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#28

Bromochloromethane

Concen: 20.34 ug/l

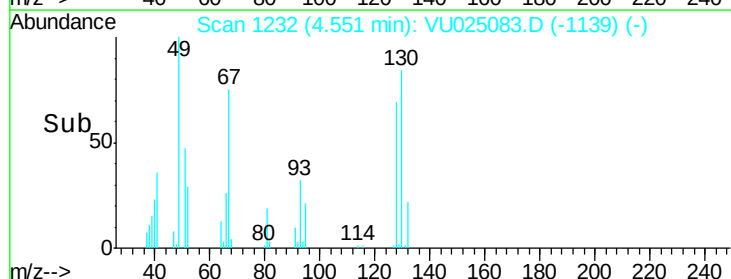
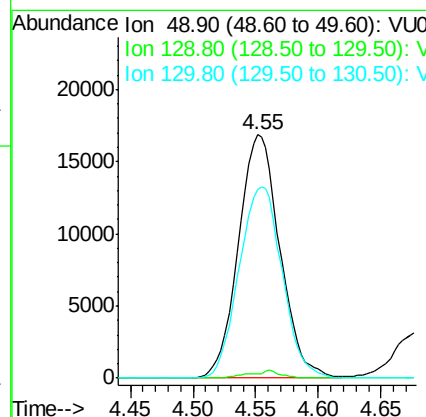
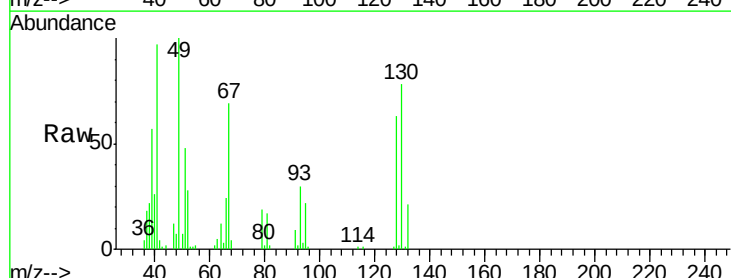
RT: 4.55 min Scan# 1232

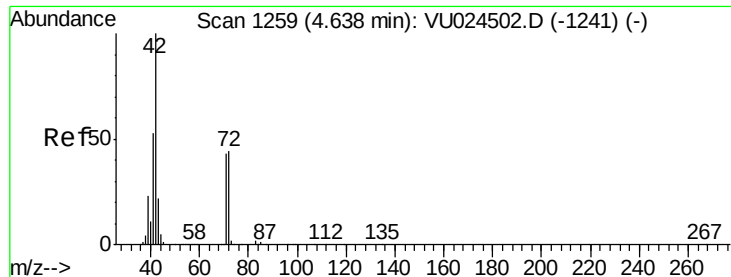
Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 38839 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 2.3   | 0.0   | 3.8   |
| 130      | 81.5  | 57.8  | 86.6  |





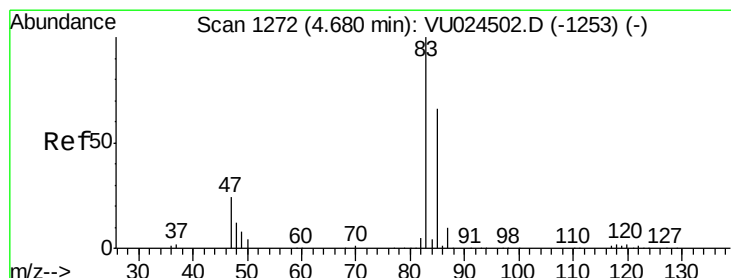
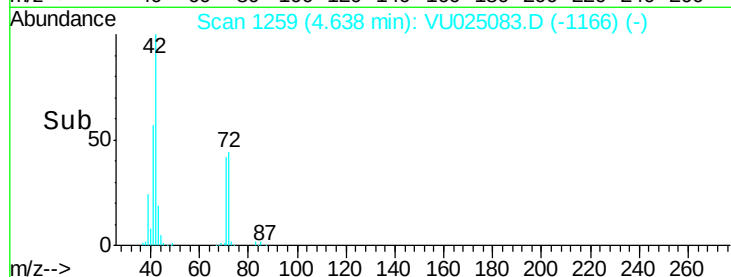
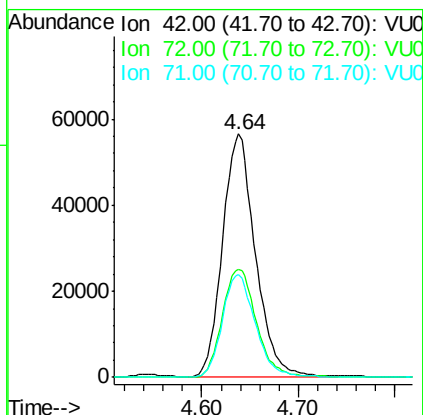
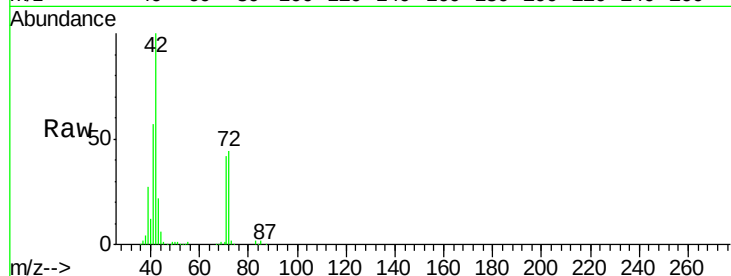
#29  
Tetrahydrofuran  
Concen: 101.24 ug/l  
RT: 4.64 min Scan# 1259  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0630MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 46.0  | 34.5  | 51.7  |
| 71      | 42.4  | 32.2  | 48.4  |

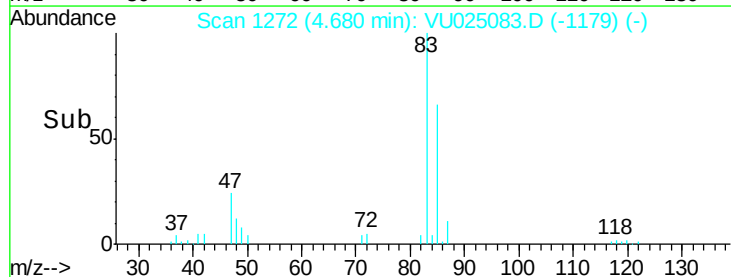
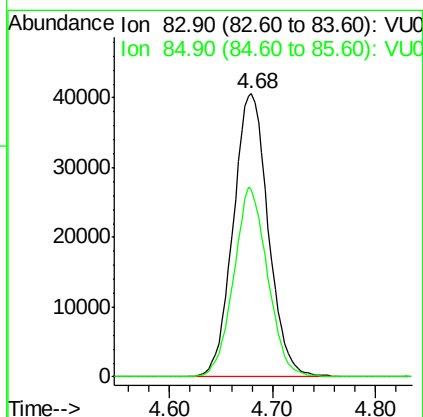
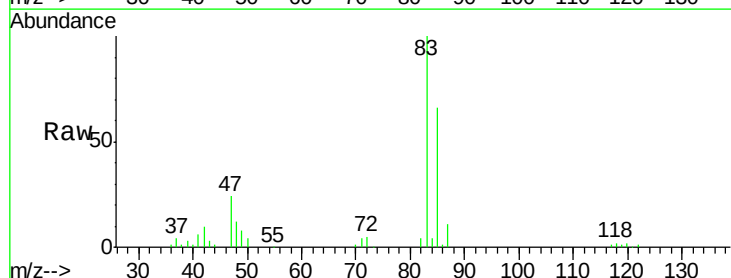
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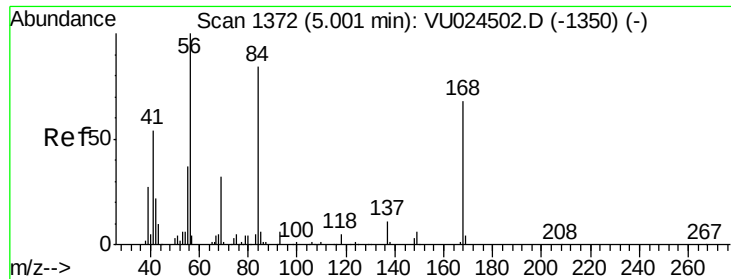
apatel  
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#30  
Chloroform  
Concen: 21.88 ug/l  
RT: 4.68 min Scan# 1272  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.1  | 52.4  | 78.6  |





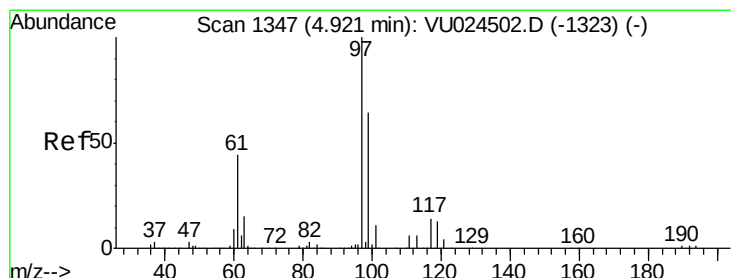
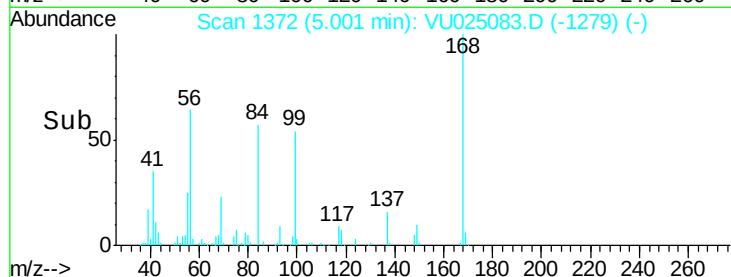
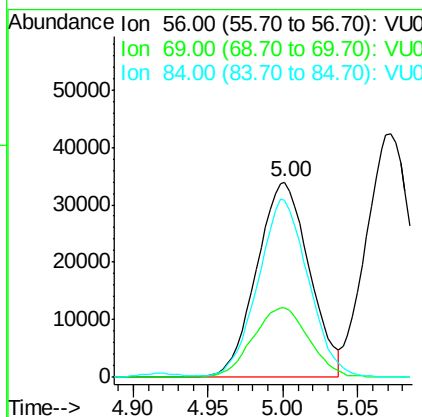
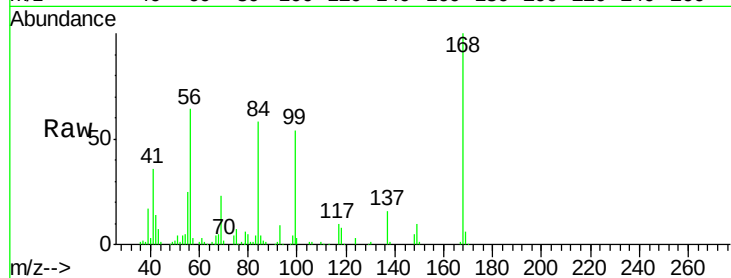
#31  
Cyclohexane  
Concen: 20.36 ug/l  
RT: 5.00 min Scan# 1372  
Delta R.T. 0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

Instrument :  
MSVOA\_U  
ClientSampled :  
VU0630MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 35.5  | 24.8  | 37.2  |
| 84      | 89.8  | 65.2  | 97.8  |

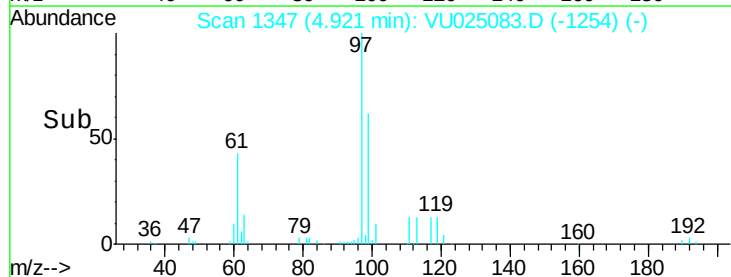
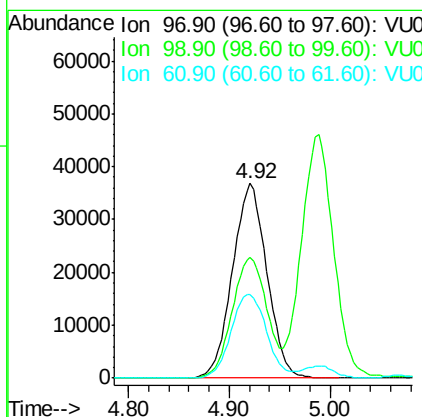
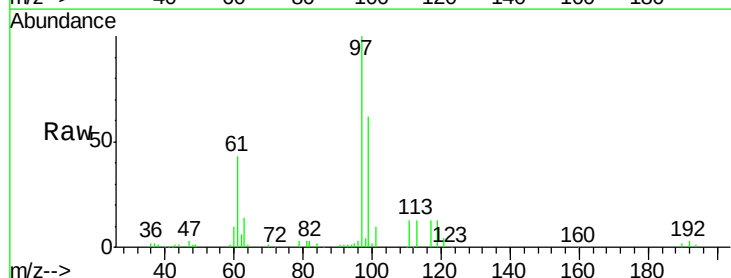
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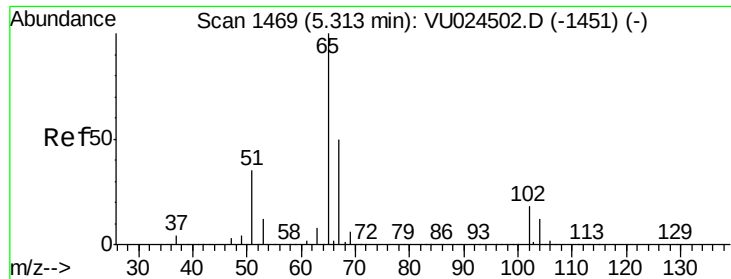
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#32  
1,1,1-Trichloroethane  
Concen: 21.49 ug/l  
RT: 4.92 min Scan# 1347  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.3  | 51.0  | 76.6  |
| 61      | 44.5  | 39.4  | 59.0  |





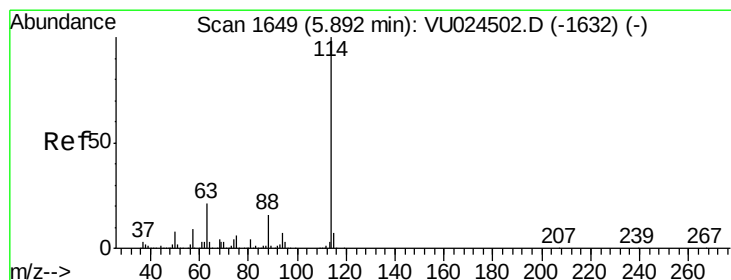
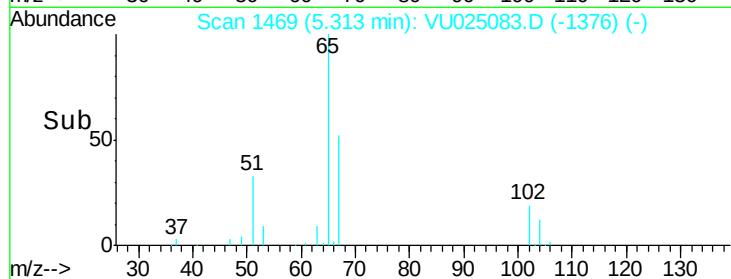
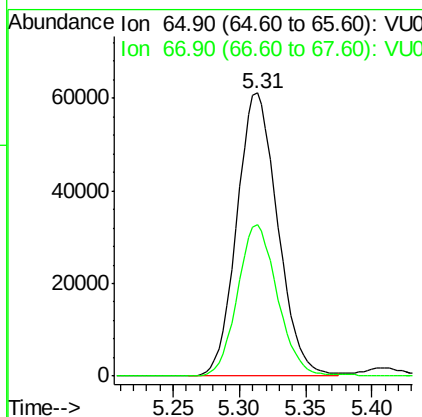
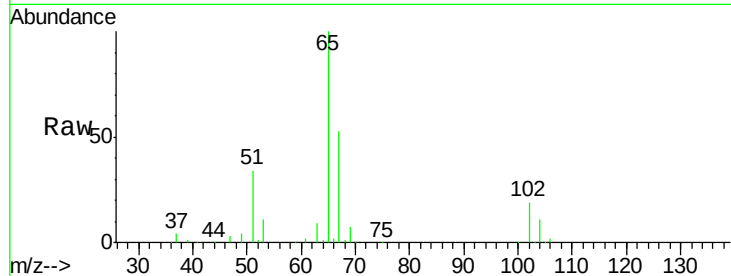
#33  
 1,2-Dichloroethane-d4  
 Concen: 44.55 ug/l  
 RT: 5.31 min Scan# 1469  
 Delta R.T. -0.00 min  
 Lab File: VU025083.D  
 Acq: 30 Jun 2018 13:08

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0630MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 52.5  | 0.0   | 107.0 |

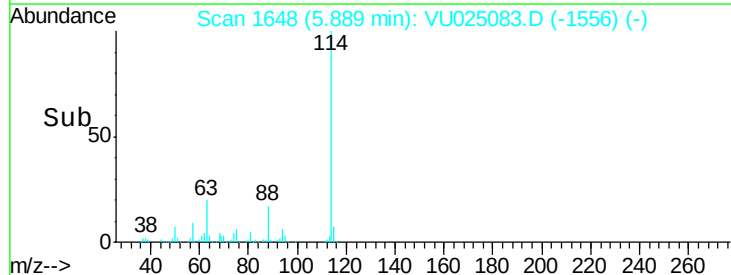
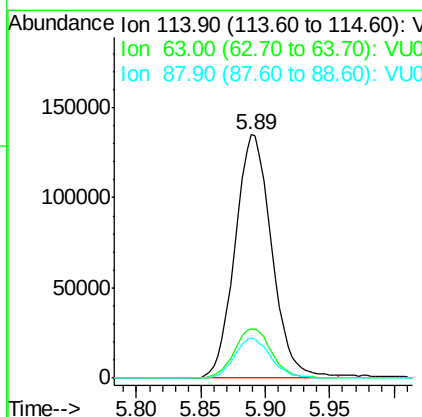
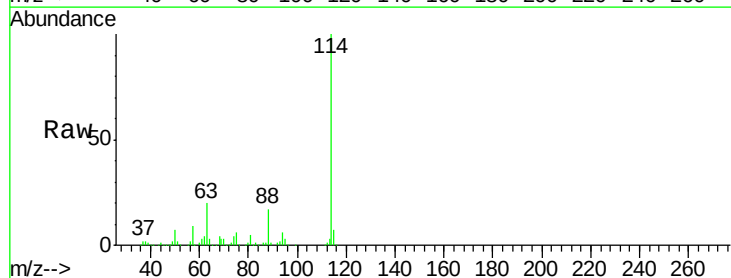
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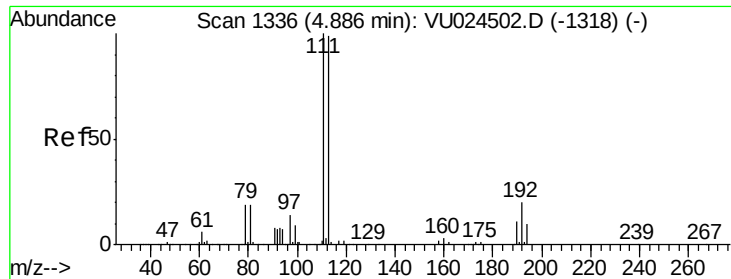
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#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.89 min Scan# 1648  
 Delta R.T. -0.00 min  
 Lab File: VU025083.D  
 Acq: 30 Jun 2018 13:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.4  | 0.0   | 45.4  |
| 88      | 16.6  | 0.0   | 31.0  |





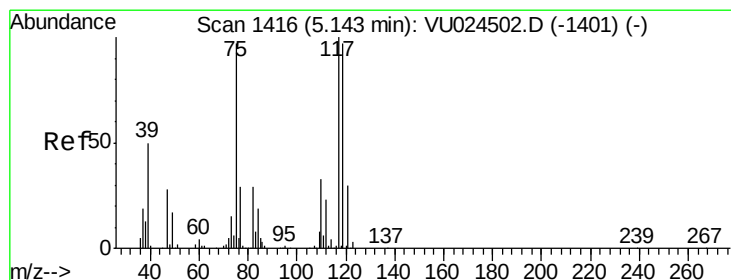
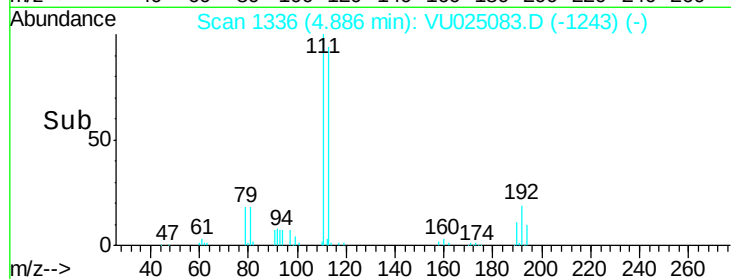
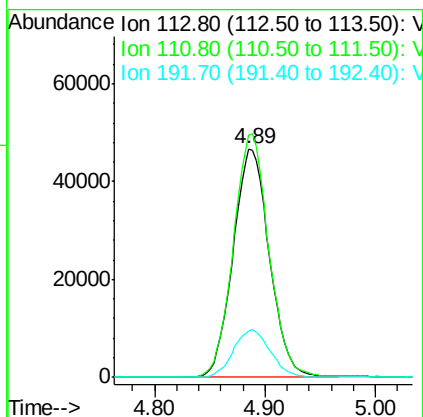
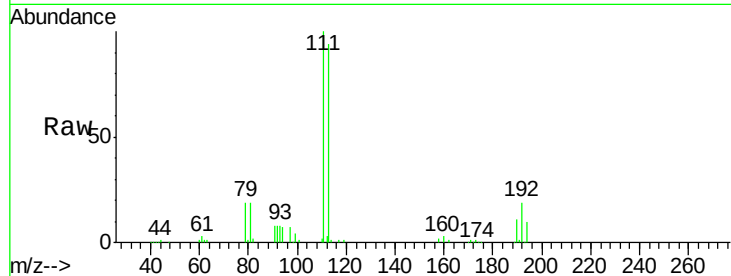
#35  
 Dibromofluoromethane  
 Concen: 48.02 ug/l  
 RT: 4.89 min Scan# 1336  
 Delta R.T. -0.00 min  
 Lab File: VU025083.D  
 Acq: 30 Jun 2018 13:08

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0630MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 106573 |       |       |
| 111     | 104.4 |        | 82.2  | 123.4 |
| 192     | 21.0  |        | 16.2  | 24.4  |

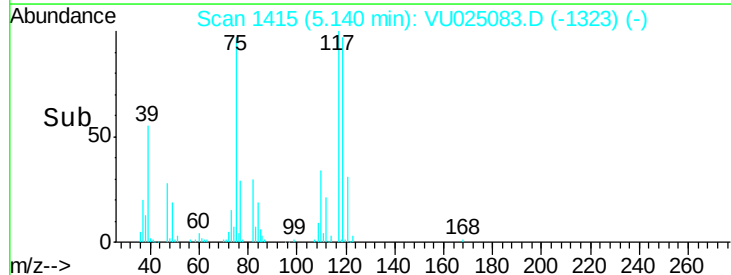
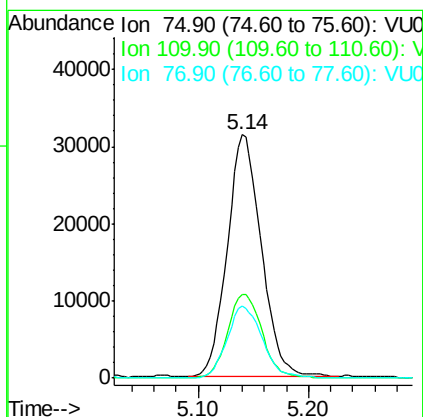
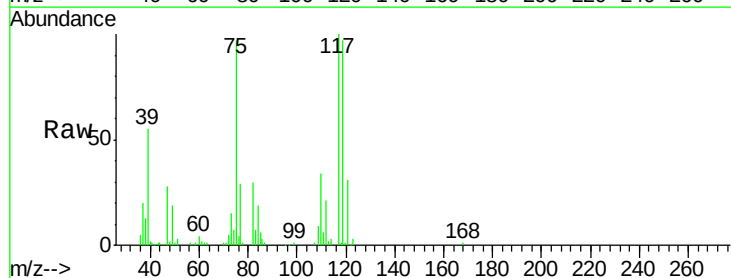
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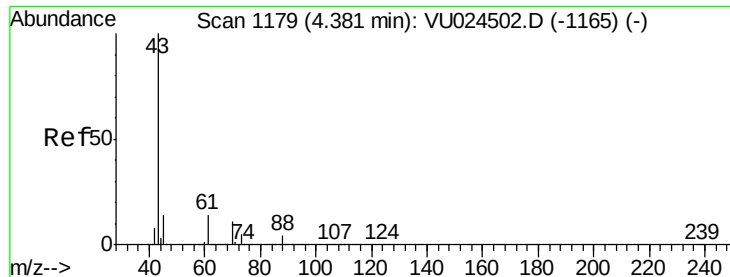
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#36  
 1,1-Dichloropropene  
 Concen: 21.40 ug/l  
 RT: 5.14 min Scan# 1415  
 Delta R.T. -0.00 min  
 Lab File: VU025083.D  
 Acq: 30 Jun 2018 13:08

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 67265 |       |       |
| 110     | 35.0  |       | 17.0  | 50.9  |
| 77      | 30.9  |       | 24.2  | 36.4  |





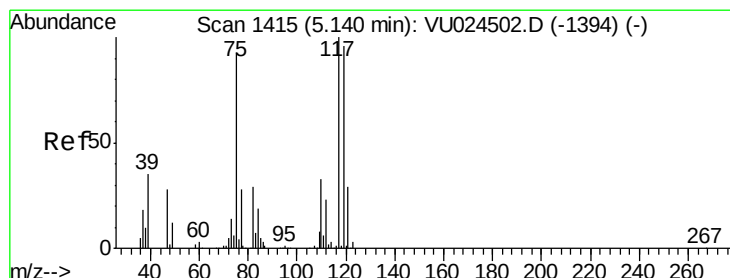
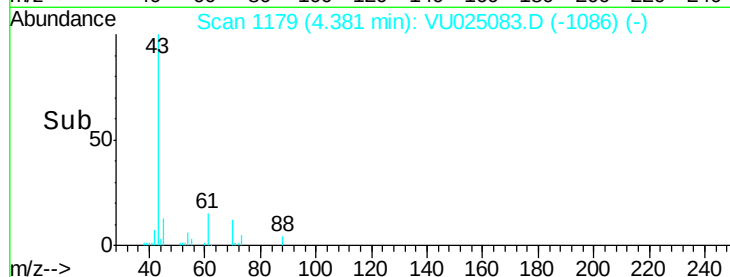
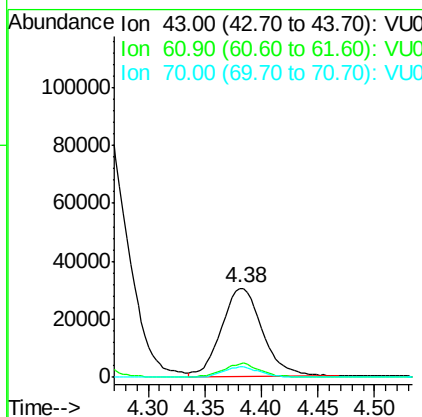
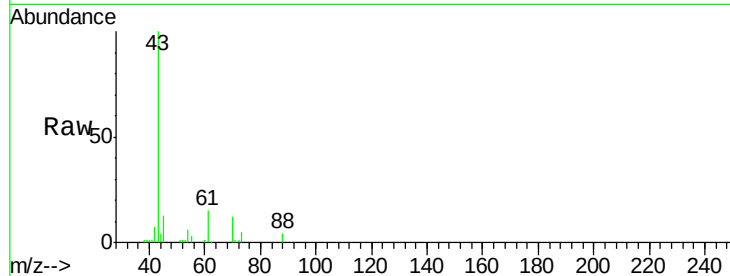
#37  
Ethyl Acetate  
Concen: 22.42 ug/l  
RT: 4.38 min Scan# 1179  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0630MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.4  | 10.5  | 15.7  |
| 70      | 10.7  | 7.4   | 11.2  |

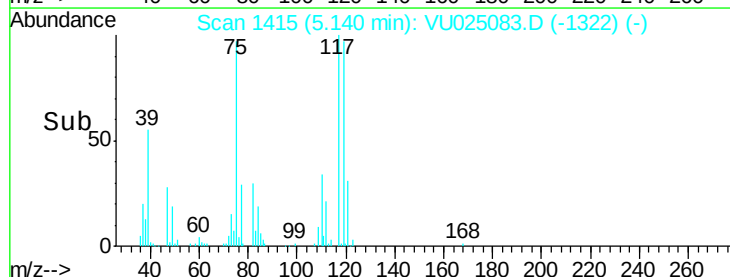
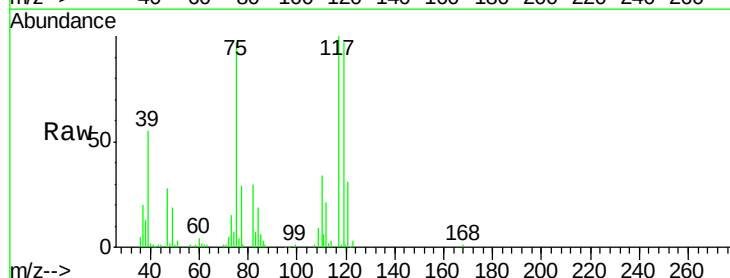
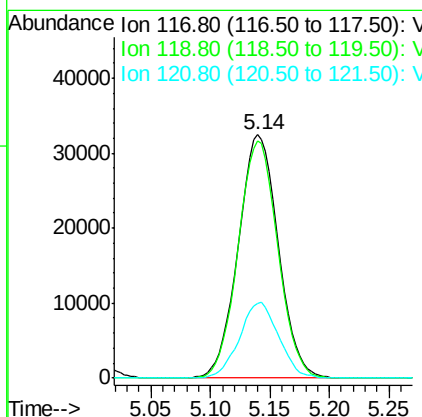
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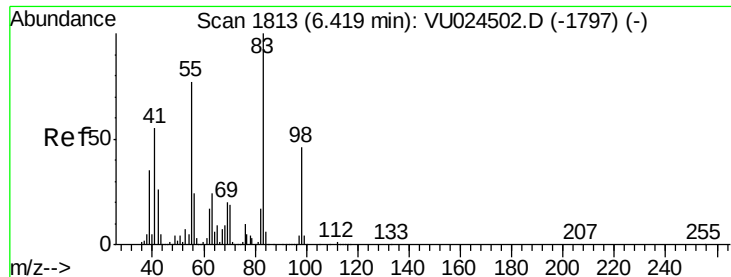


#38  
Carbon Tetrachloride  
Concen: 21.90 ug/l  
RT: 5.14 min Scan# 1415  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.4  | 76.1  | 114.1 |
| 121     | 30.8  | 23.7  | 35.5  |







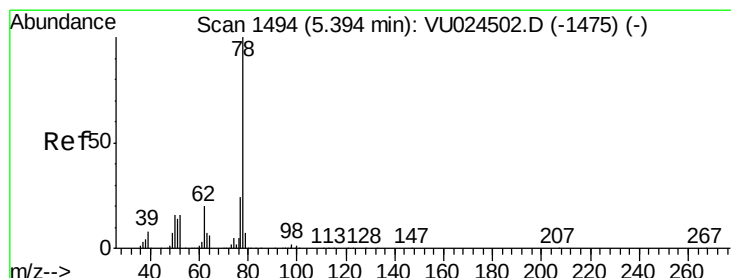
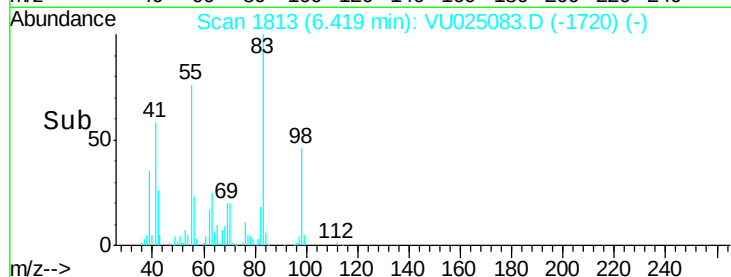
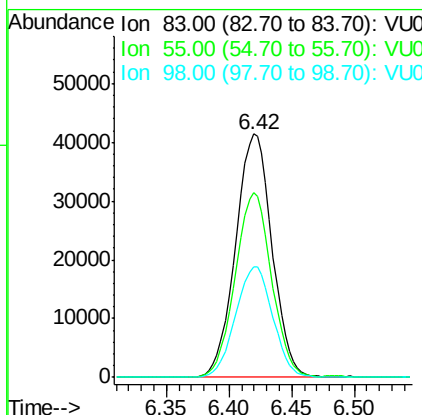
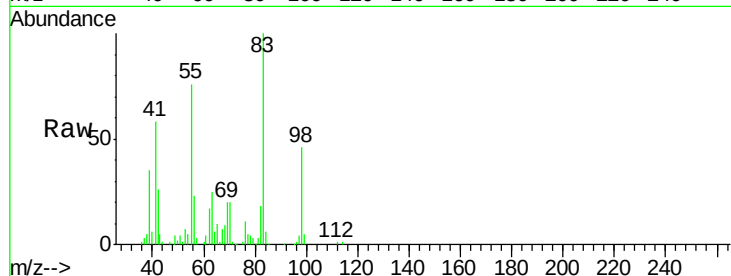
#39  
Methylvlcyclohexane  
Concen: 21.38 ug/l  
RT: 6.42 min Scan# 1813  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0630MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 76.0  | 65.8  | 98.6  |
| 98      | 45.6  | 36.7  | 55.1  |

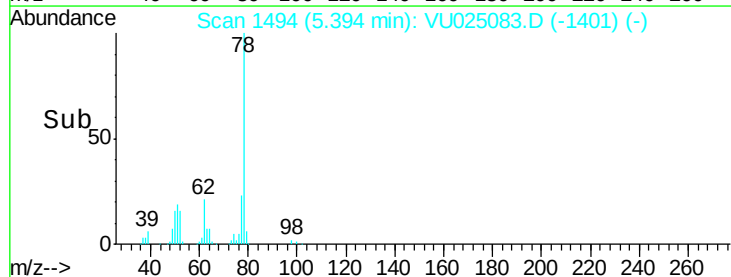
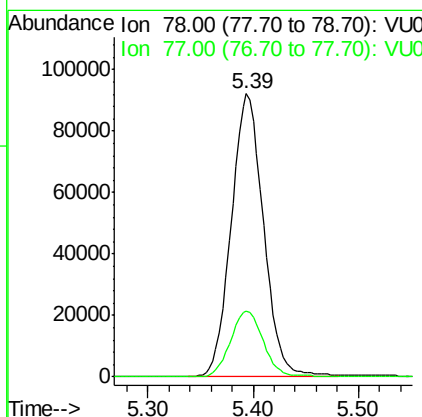
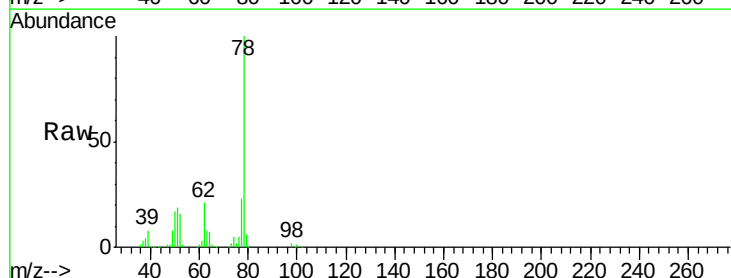
Manual Integrations  
APPROVED

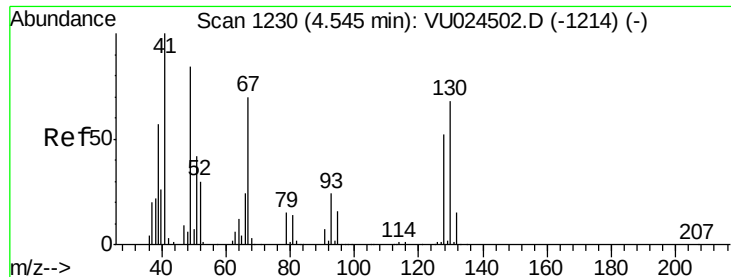
apatel  
7/2/2018 4:16:58 PM



#40  
Benzene  
Concen: 21.89 ug/l  
RT: 5.39 min Scan# 1494  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.3  | 19.2  | 28.8  |





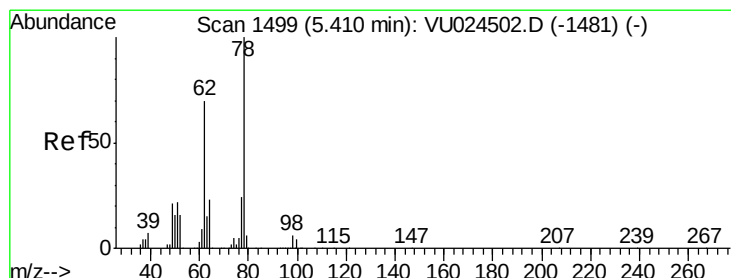
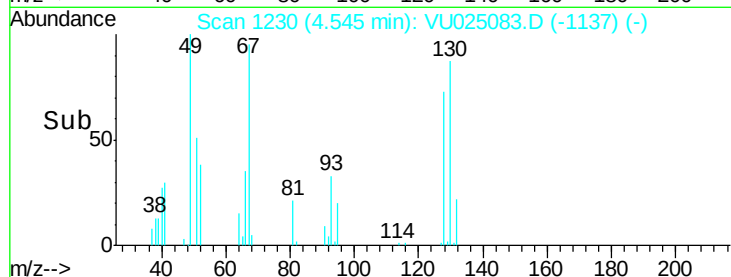
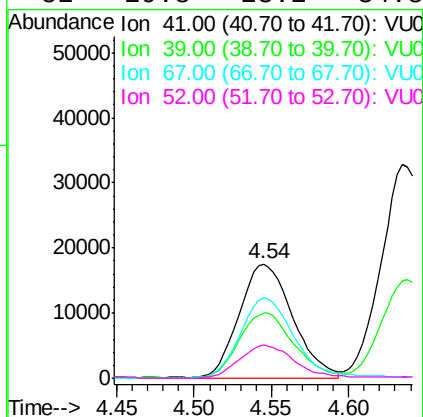
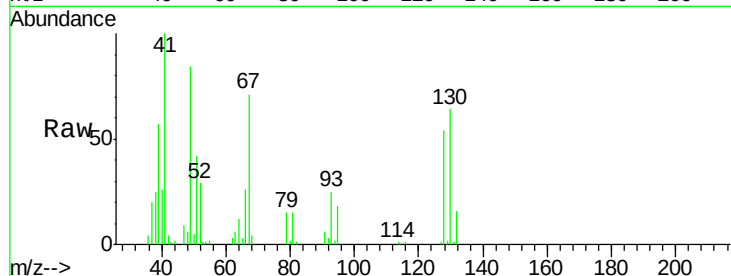
#41  
Methacrylonitrile  
Concen: 22.97 ug/l  
RT: 4.54 min Scan# 1230  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

Instrument :  
MSVOA\_U  
ClientSampled :  
VU0630MBS01

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 58.7 | 43.8  | 65.6  |       |
| 67      | 70.3 | 56.3  | 84.5  |       |
| 52      | 29.8 | 23.2  | 34.8  |       |

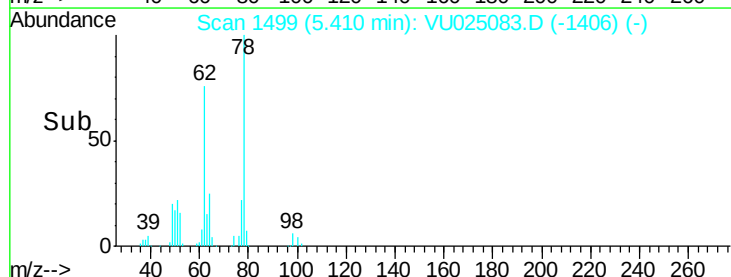
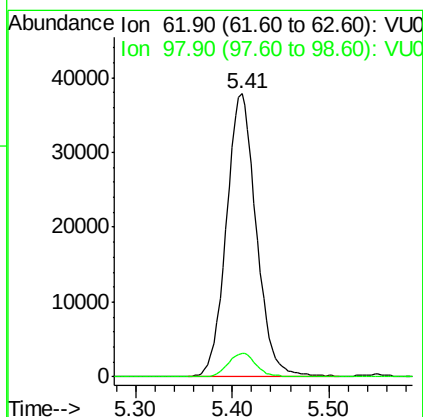
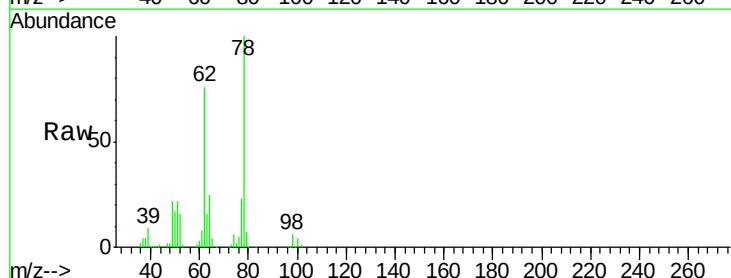
Manual Integrations  
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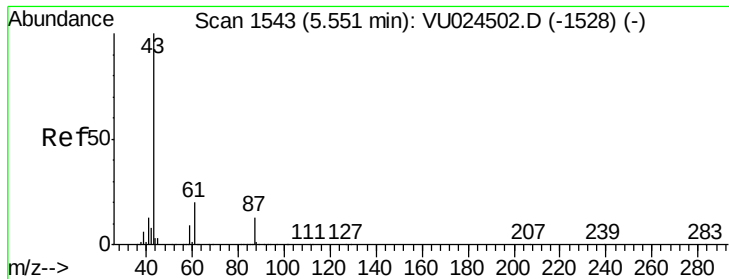
apatel  
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#42  
1,2-Dichloroethane  
Concen: 23.83 ug/l  
RT: 5.41 min Scan# 1499  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 7.7 | 0.0   | 16.6  |       |





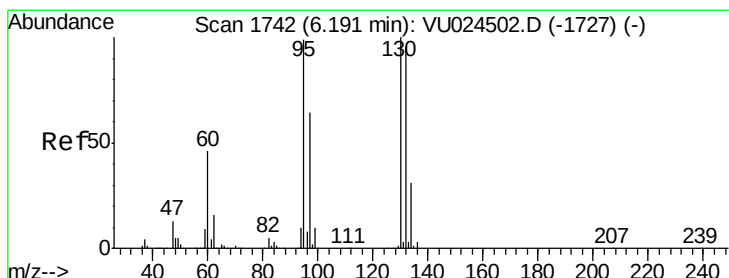
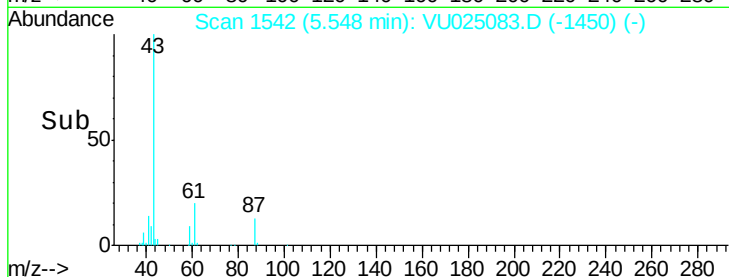
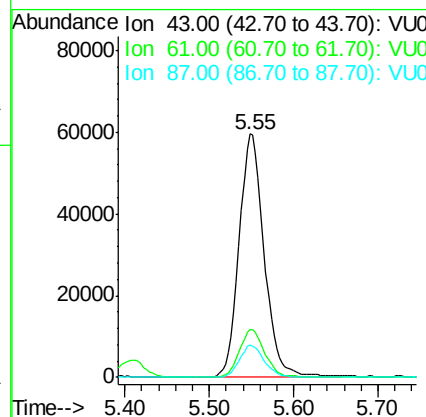
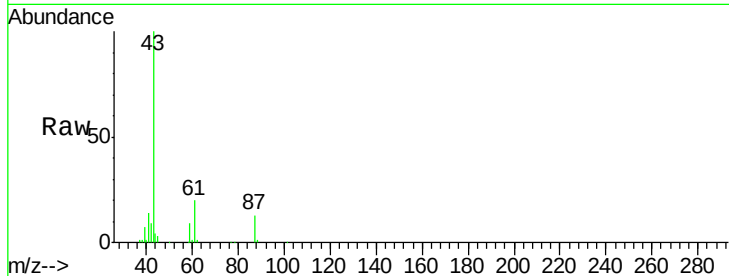
#43  
Isopropyl Acetate  
Concen: 20.93 ug/l  
RT: 5.55 min Scan# 1542  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0630MBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 123901 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 19.8  | 15.4  | 23.0   |
| 87       | 13.0  | 10.0  | 15.0   |

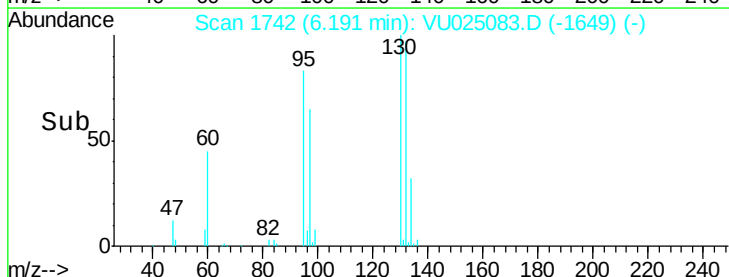
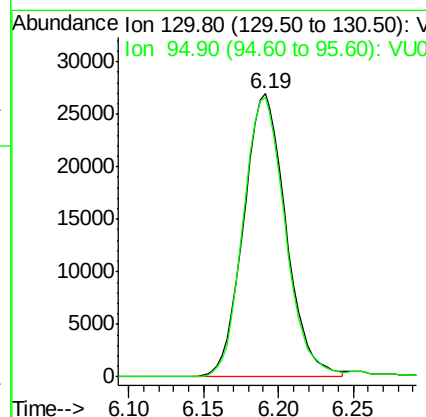
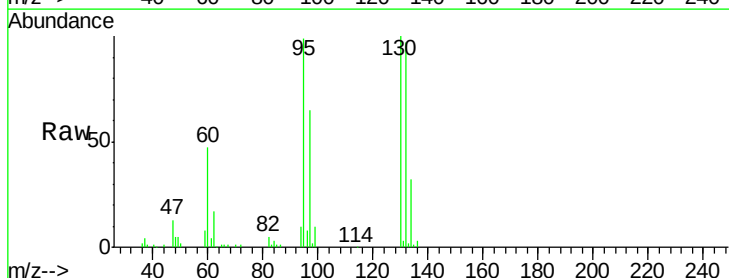
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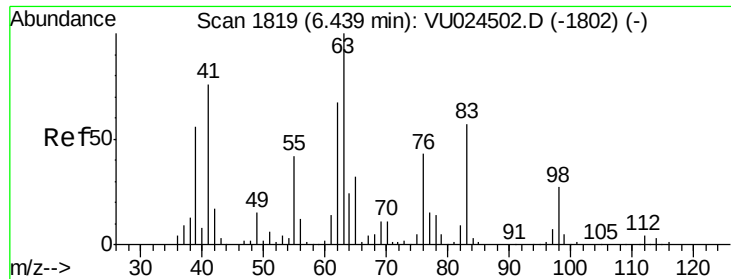
apatel  
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#44  
Trichloroethene  
Concen: 20.88 ug/l  
RT: 6.19 min Scan# 1742  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 53215 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 98.9  | 0.0   | 202.4 |





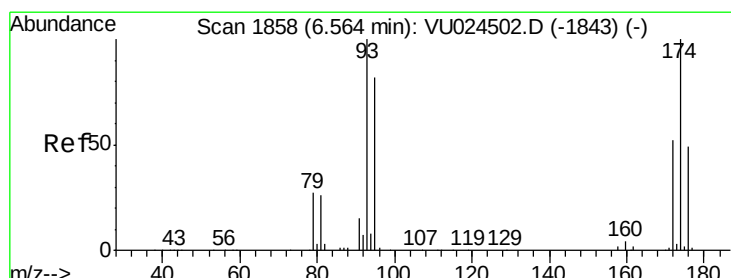
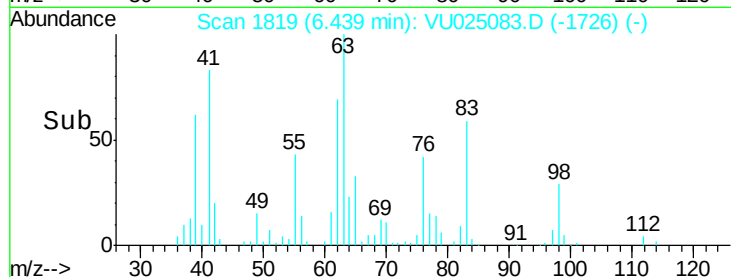
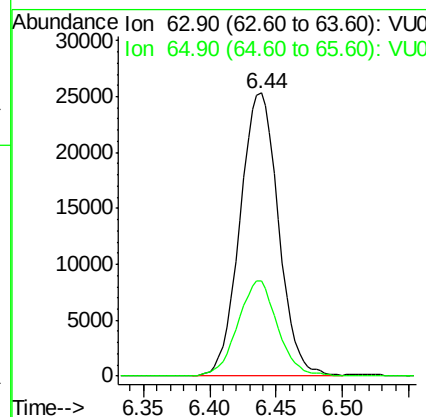
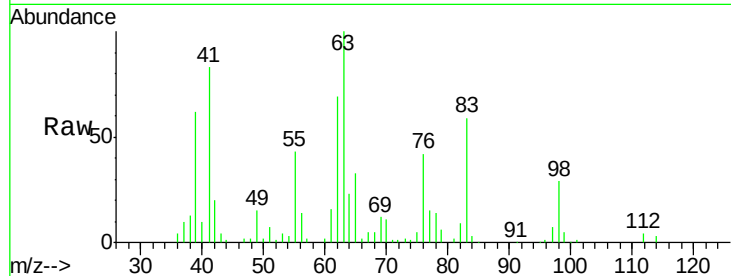
#45  
 1,2-Dichloropropane  
 Concen: 21.38 ug/l  
 RT: 6.44 min Scan# 1819  
 Delta R.T. -0.00 min  
 Lab File: VU025083.D  
 Acq: 30 Jun 2018 13:08

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0630MBS01

Tot Ion: 63 Resp: 51095  
 Ion Ratio Lower Upper  
 63 100  
 65 33.5 24.8 37.2

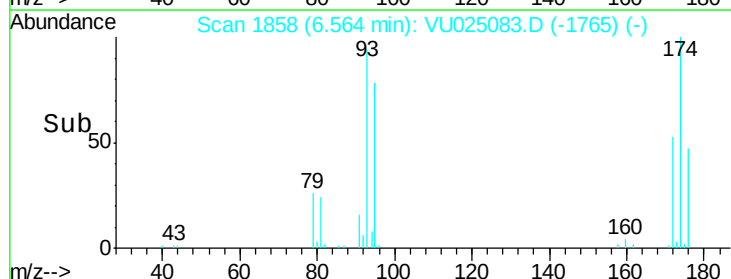
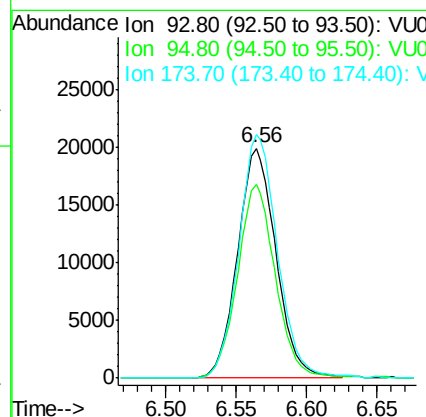
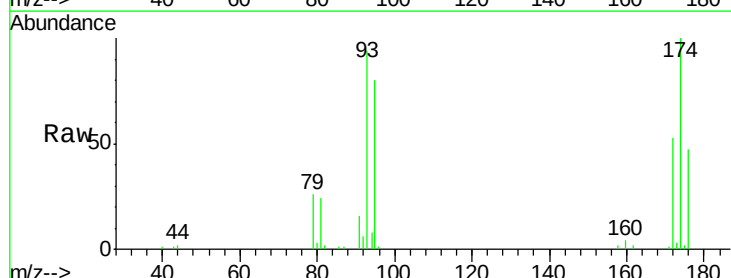
Manual Integrations  
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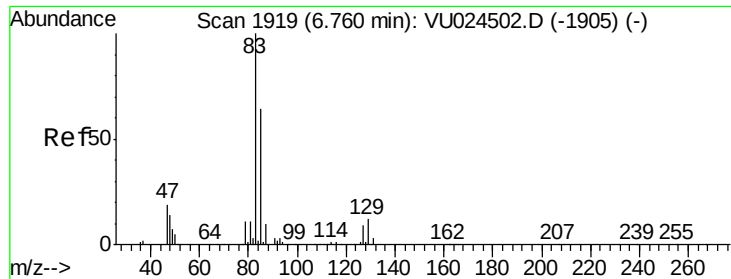
apatel  
 7/2/2018 4:16:58 PM



#46  
 Dibromomethane  
 Concen: 22.66 ug/l  
 RT: 6.56 min Scan# 1858  
 Delta R.T. -0.00 min  
 Lab File: VU025083.D  
 Acq: 30 Jun 2018 13:08

Tgt Ion: 93 Resp: 38032  
 Ion Ratio Lower Upper  
 93 100  
 95 83.4 65.5 98.3  
 174 106.7 78.7 118.1





#47

Bromodichloromethane

Concen: 21.27 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA\_U

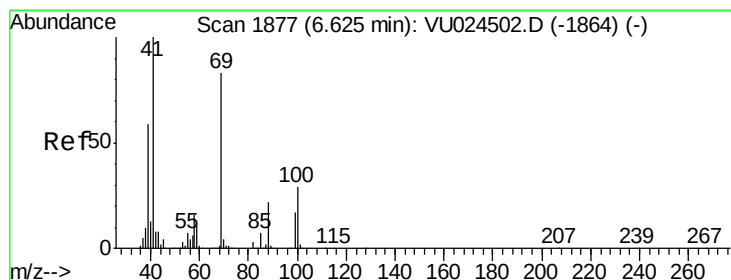
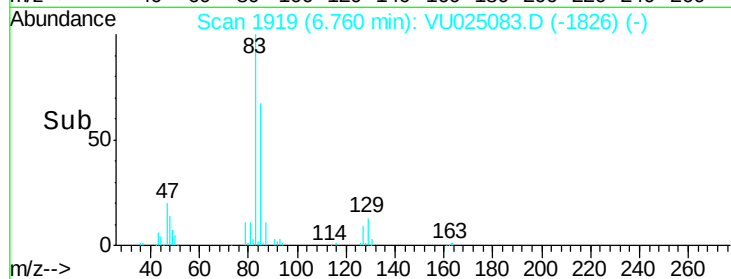
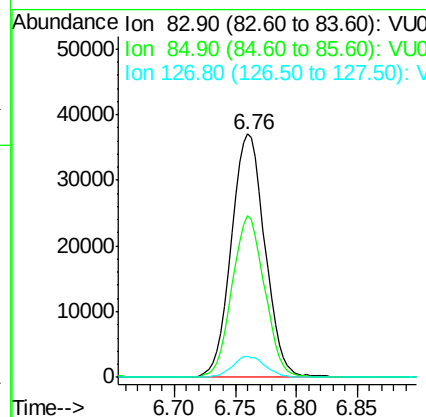
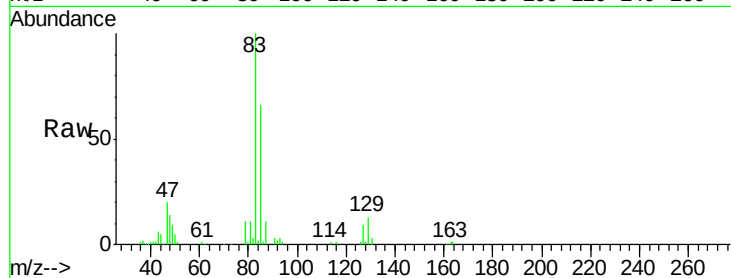
ClientSampleId :

VU0630MBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 71090 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 66.4  | 51.9  | 77.9  |
| 127      | 8.5   | 6.6   | 9.8   |

Manual Integrations  
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apatel  
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#48

Methyl methacrylate

Concen: 22.57 ug/l

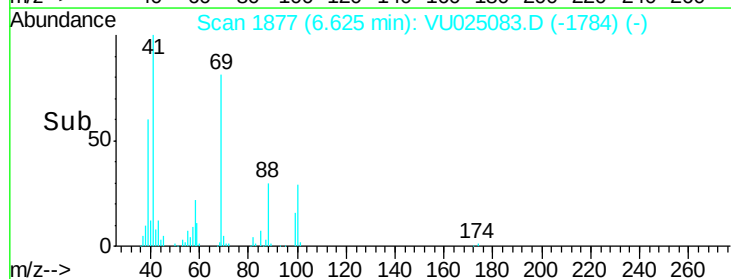
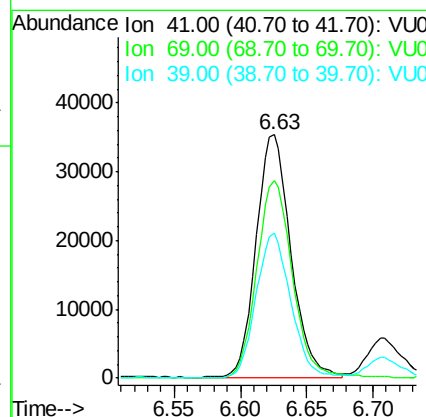
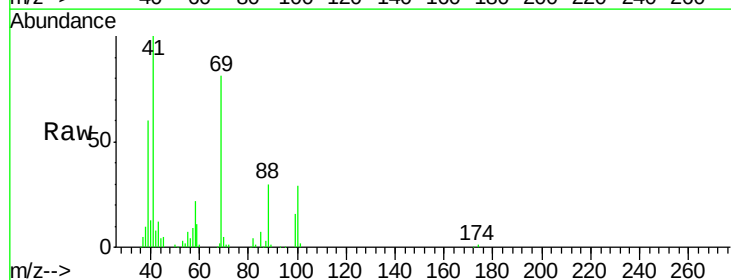
RT: 6.63 min Scan# 1877

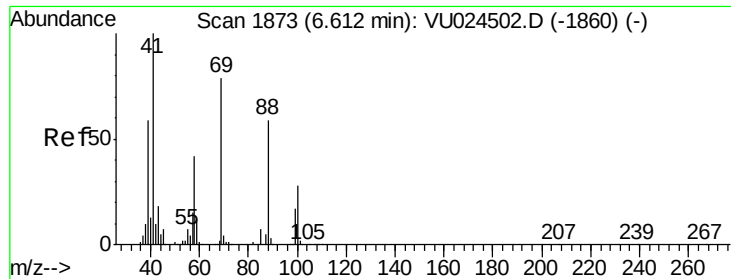
Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 65060 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 82.9  | 67.3  | 100.9 |
| 39       | 59.3  | 46.5  | 69.7  |





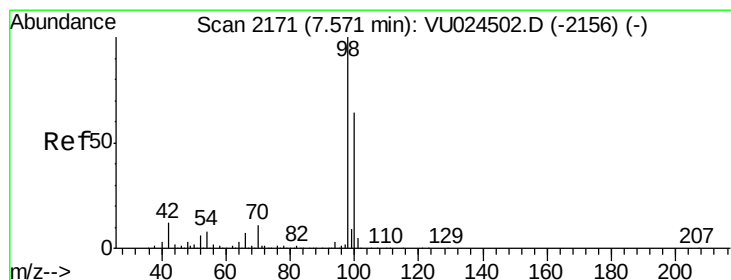
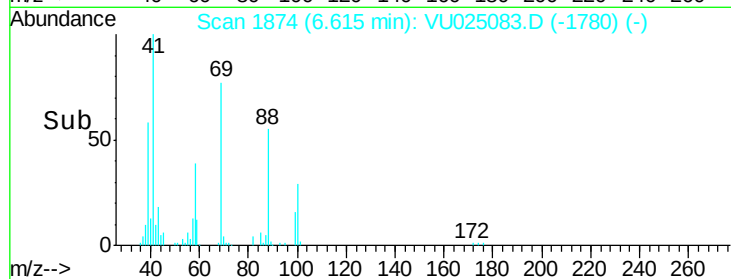
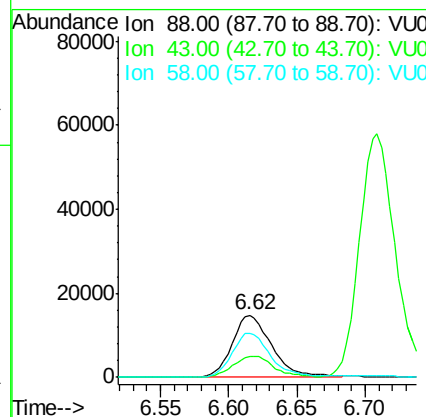
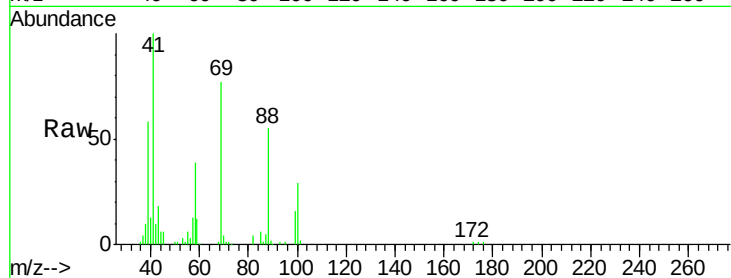
#49  
1,4-Dioxane  
Concen: 529.14 ug/l  
RT: 6.62 min Scan# 1874  
Delta R.T. 0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0630MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 35.6  | 28.6  | 42.8  |
| 58      | 70.3  | 58.2  | 87.4  |

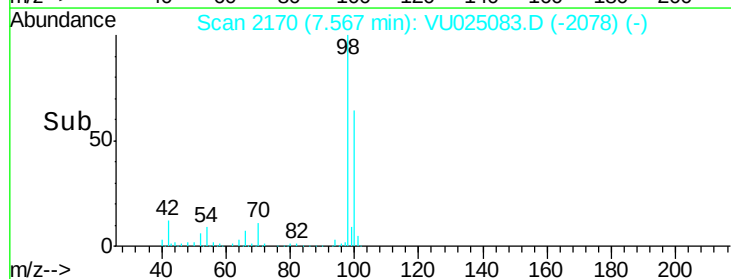
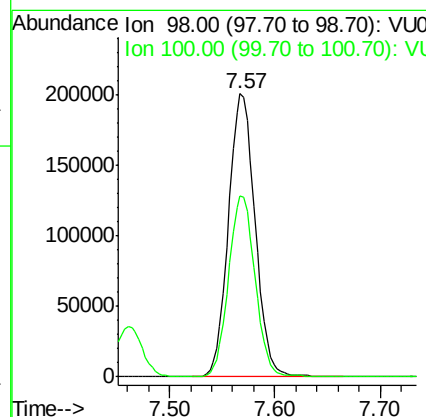
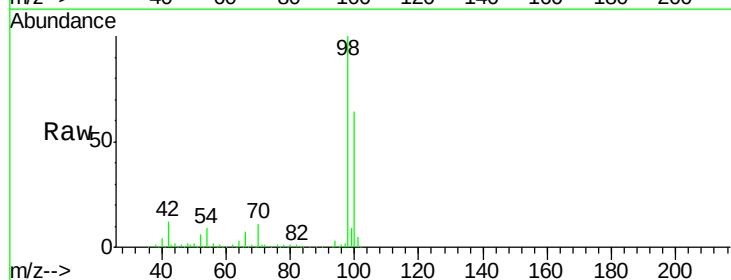
Manual Integrations  
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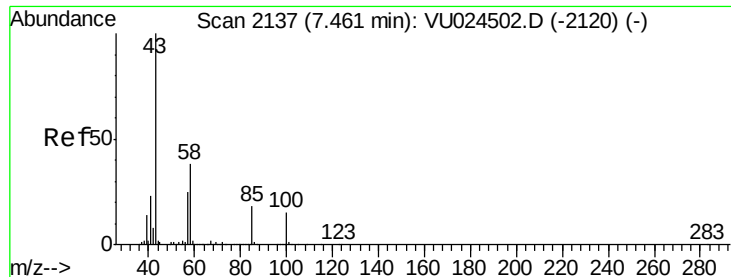
apatel  
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#50  
Toluene-d8  
Concen: 43.41 ug/l  
RT: 7.57 min Scan# 2170  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.5  | 51.1  | 76.7  |





#51

4-Methyl-2-Pentanone

Concen: 108.34 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA\_U

ClientSampleId :

VU0630MBS01

Tot Ion: 43 Resp: 402993

Ion Ratio Lower Upper

43 100

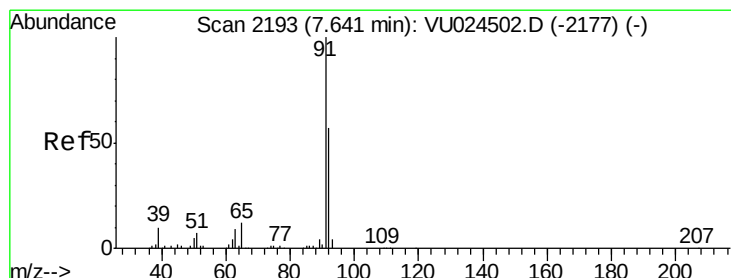
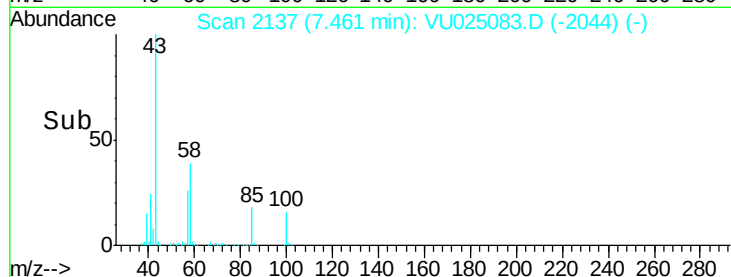
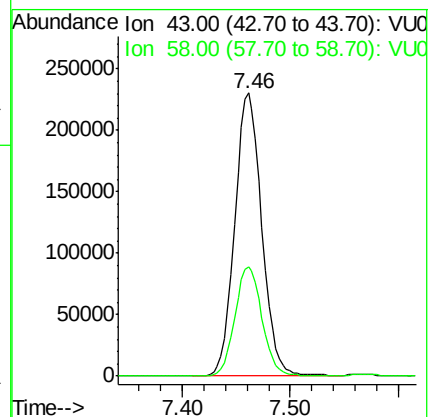
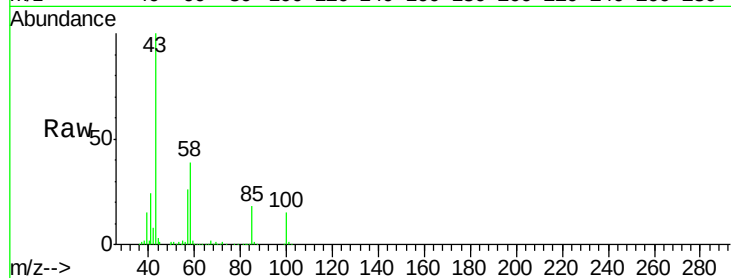
58 38.7 30.0 45.0

Manual Integrations

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#52

Toluene

Concen: 21.59 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025083.D

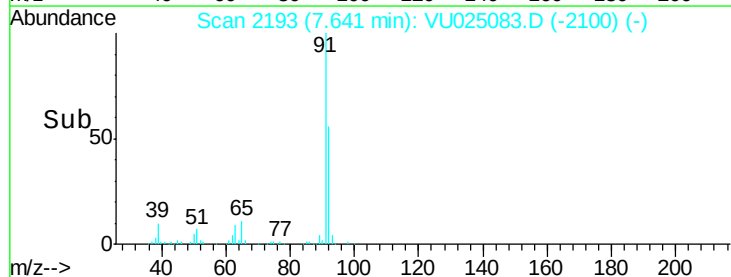
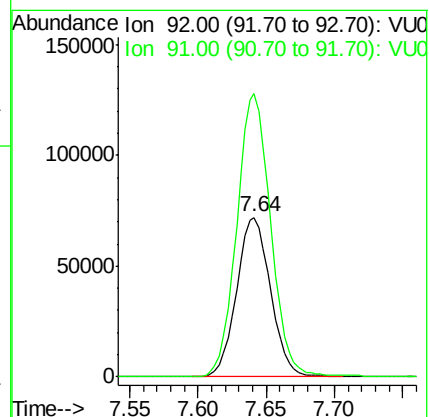
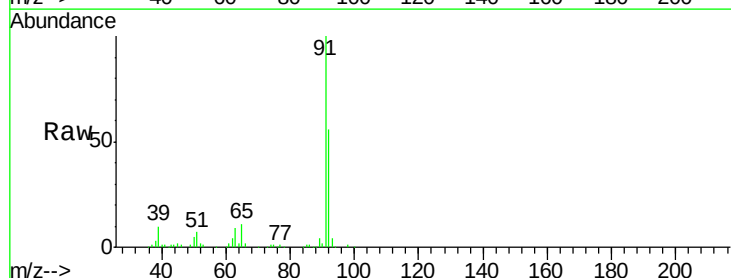
Acq: 30 Jun 2018 13:08

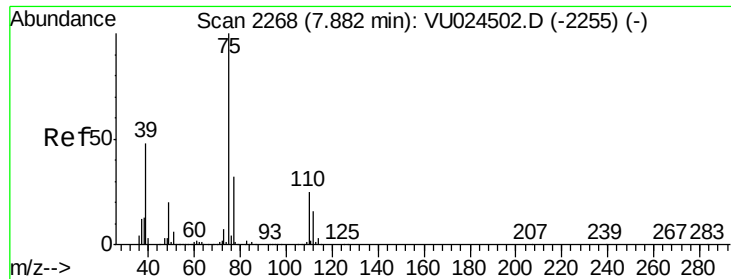
Tgt Ion: 92 Resp: 124374

Ion Ratio Lower Upper

92 100

91 177.1 140.5 210.7





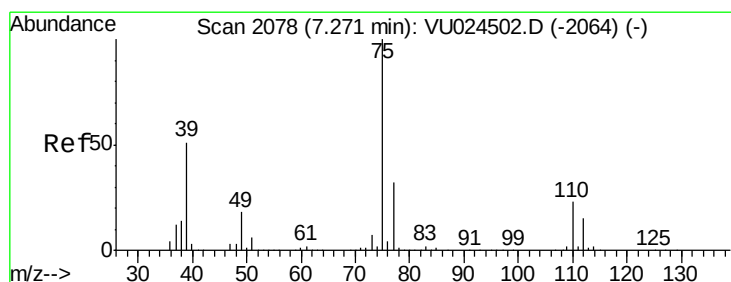
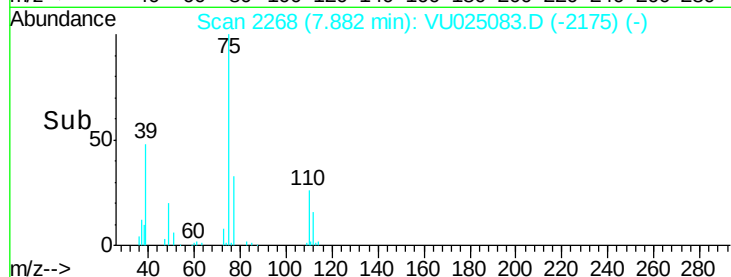
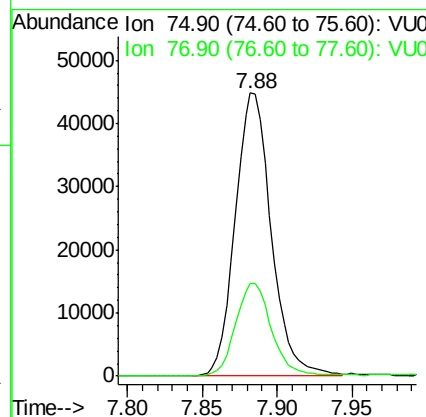
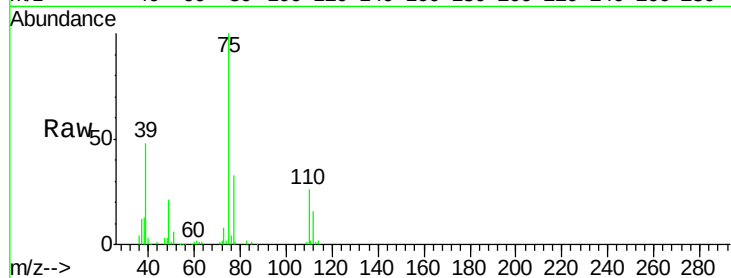
#53  
t-1,3-Dichloropropene  
Concen: 20.08 ug/l  
RT: 7.88 min Scan# 2268  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

Instrument :  
MSVOA\_U  
ClientSampled :  
VU0630MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.6  | 24.8  | 37.2  |

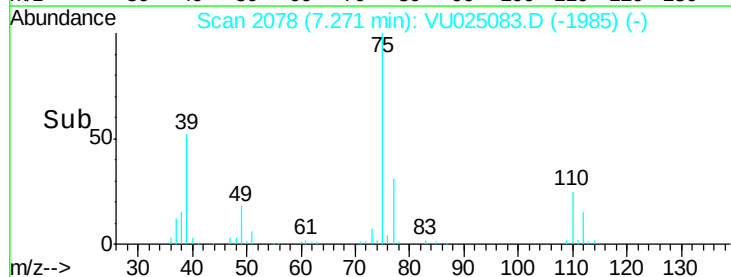
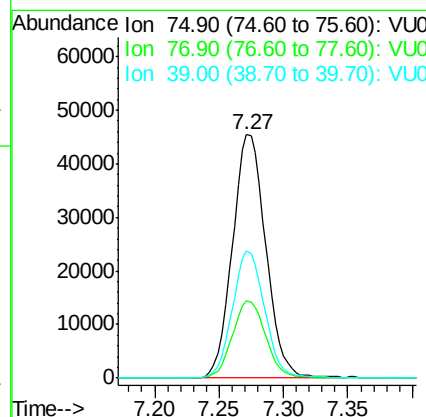
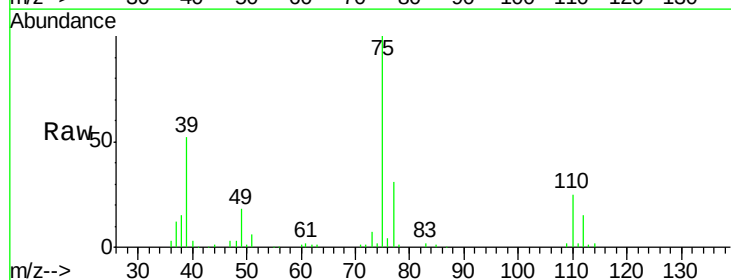
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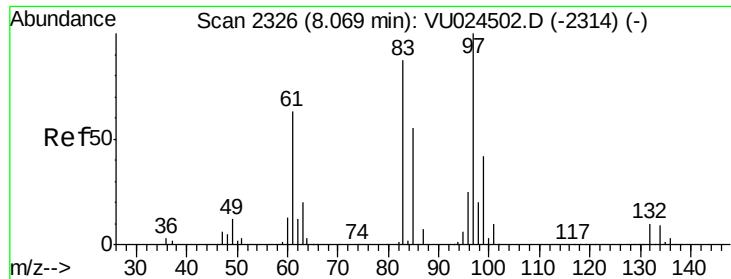


#54  
cis-1,3-Dichloropropene  
Concen: 20.40 ug/l  
RT: 7.27 min Scan# 2078  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.5  | 24.6  | 36.8  |
| 39      | 52.4  | 39.8  | 59.6  |







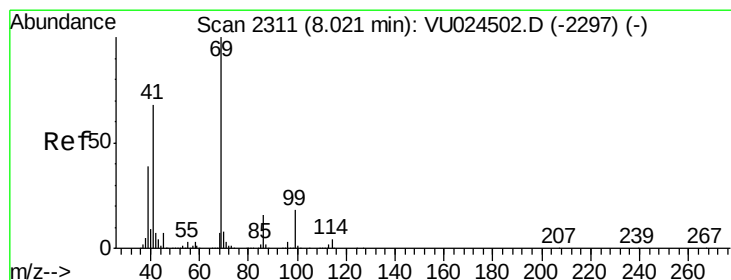
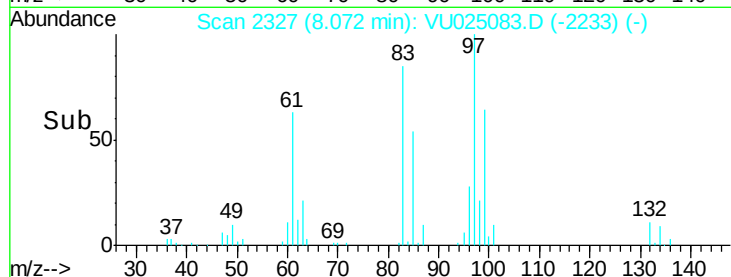
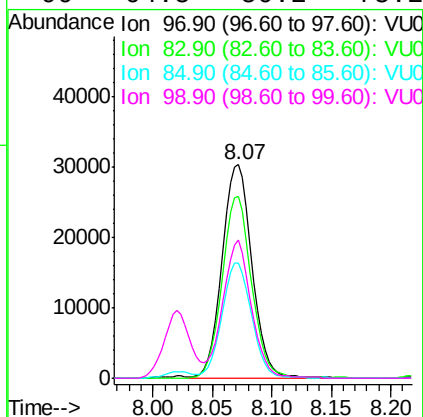
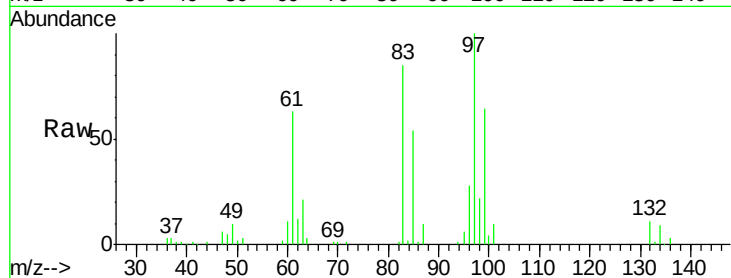
#55  
 1,1,2-Trichloroethane  
 Concen: 22.62 ug/l  
 RT: 8.07 min Scan# 2327  
 Delta R.T. 0.00 min  
 Lab File: VU025083.D  
 Acq: 30 Jun 2018 13:08

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0630MBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 52980 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 85.3  | 70.5  | 105.7 |
| 85       | 54.1  | 46.4  | 69.6  |
| 99       | 64.5  | 50.2  | 75.2  |

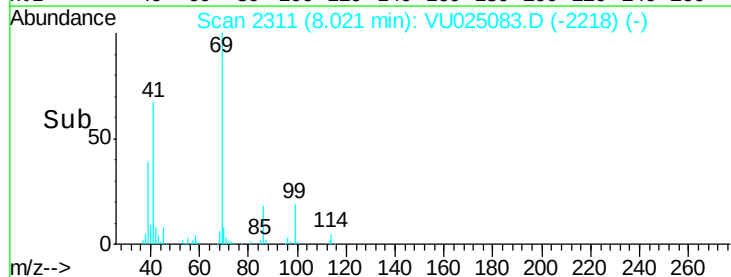
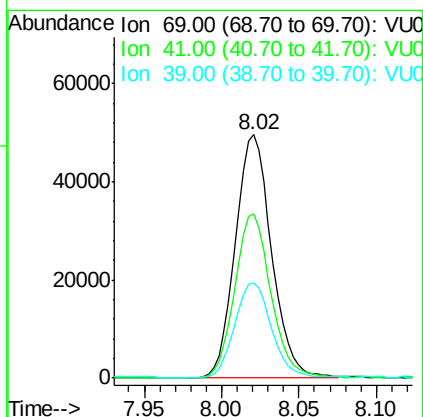
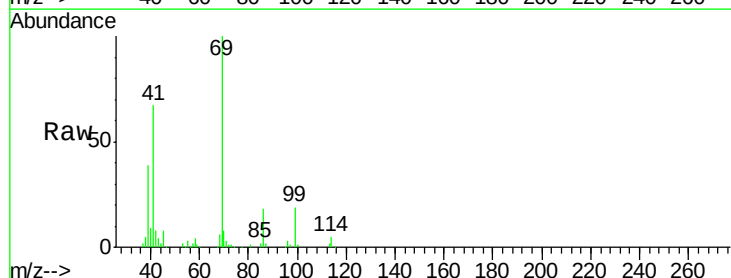
Manual Integrations  
 APPROVED

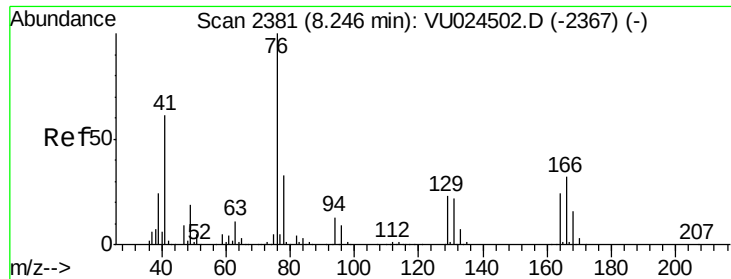
apatel  
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#56  
 Ethyl methacrylate  
 Concen: 20.63 ug/l  
 RT: 8.02 min Scan# 2311  
 Delta R.T. -0.00 min  
 Lab File: VU025083.D  
 Acq: 30 Jun 2018 13:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 80874 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 67.3  | 54.1  | 81.1  |
| 39       | 38.9  | 30.3  | 45.5  |





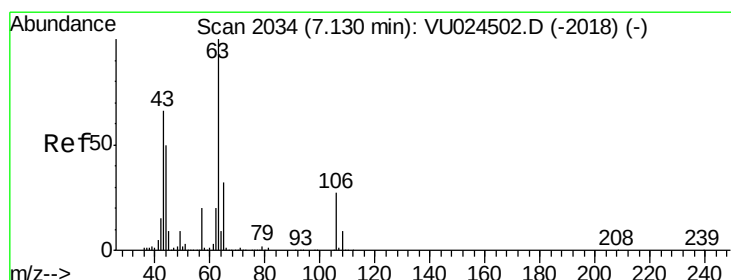
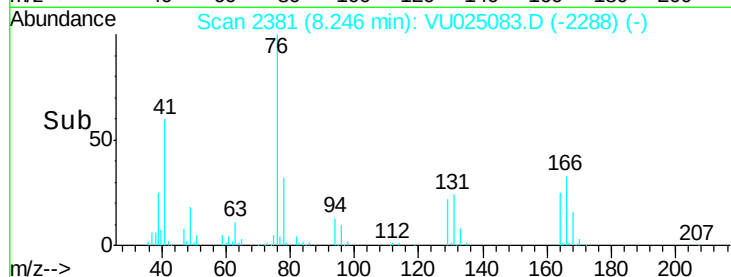
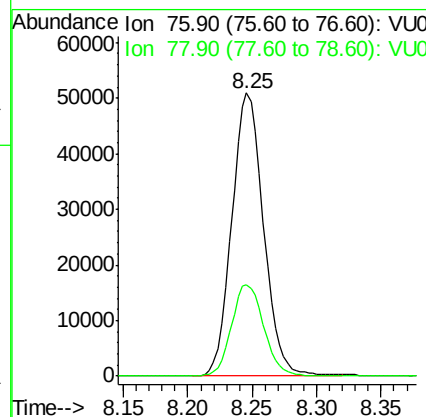
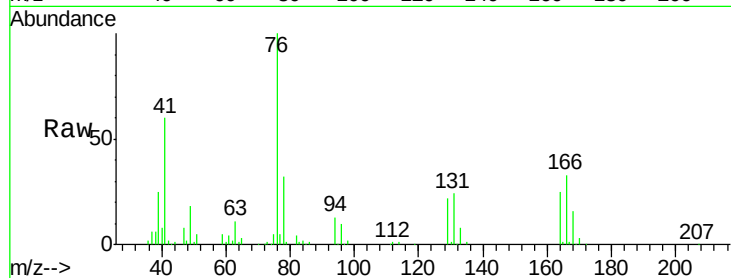
#57  
 1,3-Dichloropropane  
 Concen: 22.01 ug/l  
 RT: 8.25 min Scan# 2381  
 Delta R.T. -0.00 min  
 Lab File: VU025083.D  
 Acq: 30 Jun 2018 13:08

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0630MBS01

Tot Ion: 76 Resp: 86968  
 Ion Ratio Lower Upper  
 76 100  
 78 33.1 25.2 37.8

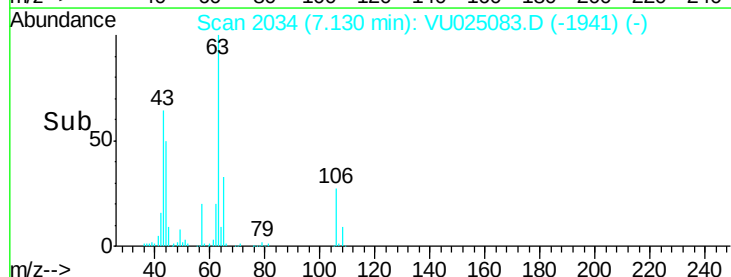
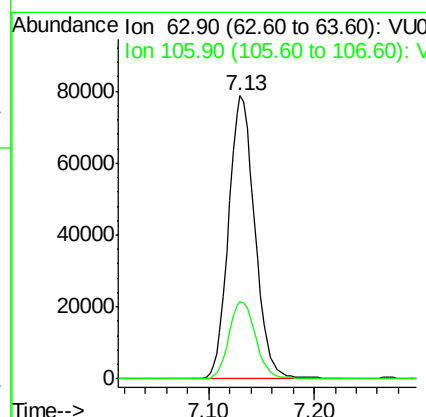
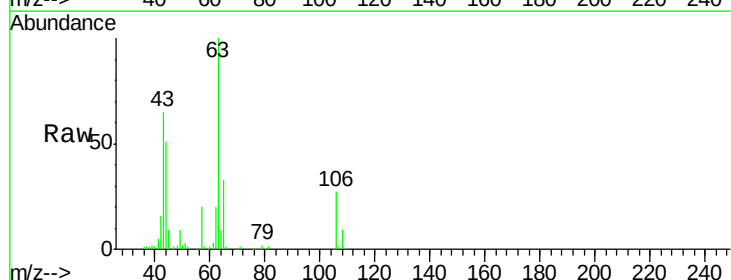
Manual Integrations  
 APPROVED

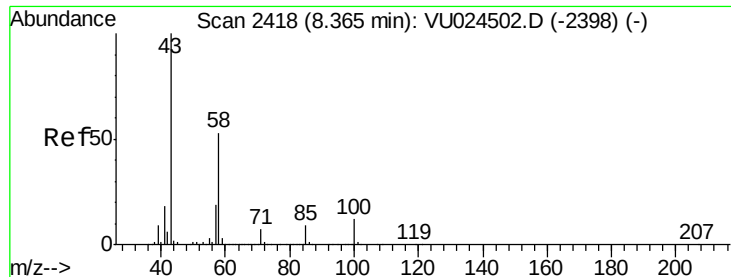
apatel  
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#58  
 2-Chloroethyl Vinyl ether  
 Concen: 90.30 ug/l  
 RT: 7.13 min Scan# 2034  
 Delta R.T. -0.00 min  
 Lab File: VU025083.D  
 Acq: 30 Jun 2018 13:08

Tgt Ion: 63 Resp: 135603  
 Ion Ratio Lower Upper  
 63 100  
 106 27.6 20.2 30.2





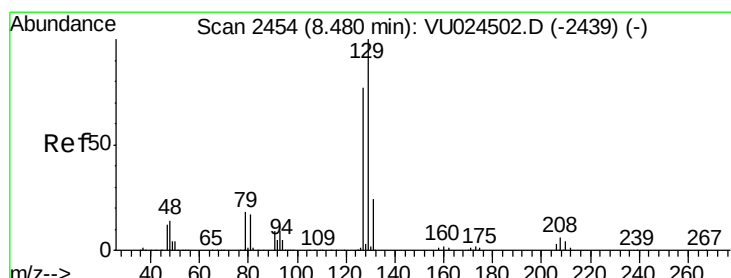
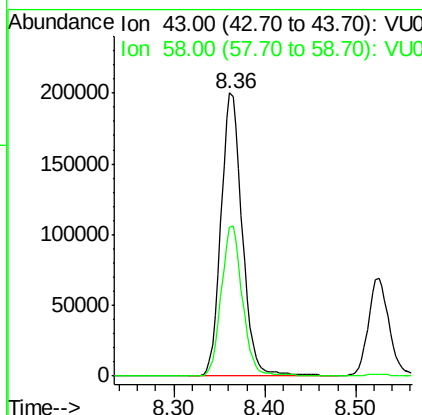
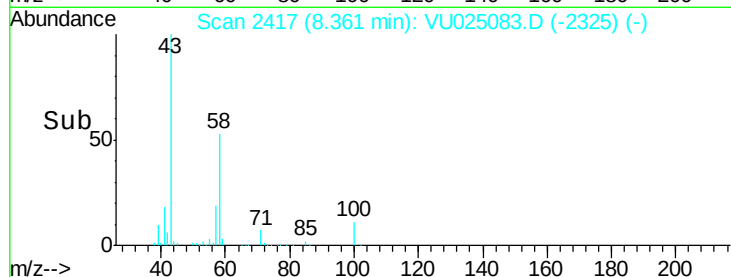
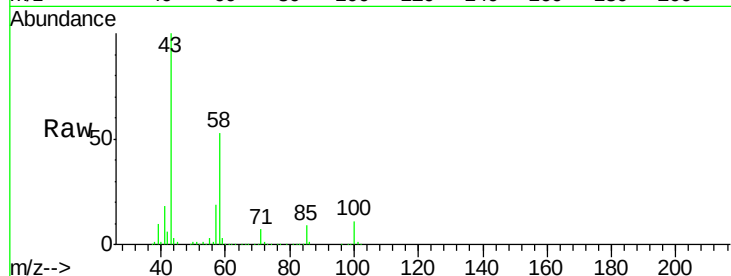
#59  
2-Hexanone  
Concen: 107.30 ug/l  
RT: 8.36 min Scan# 2417  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0630MBS01

Tot Ion: 43 Resp: 325851  
Ion Ratio Lower Upper  
43 100  
58 52.8 26.4 79.0

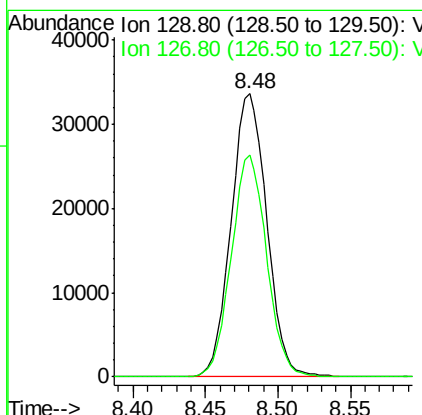
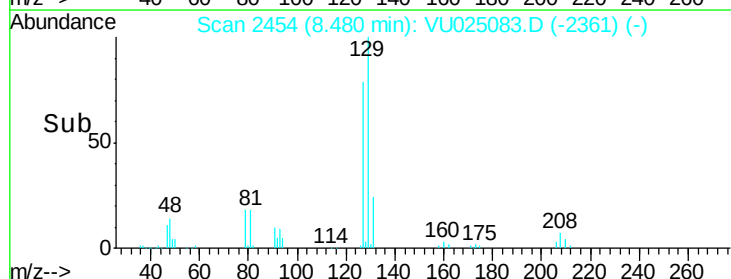
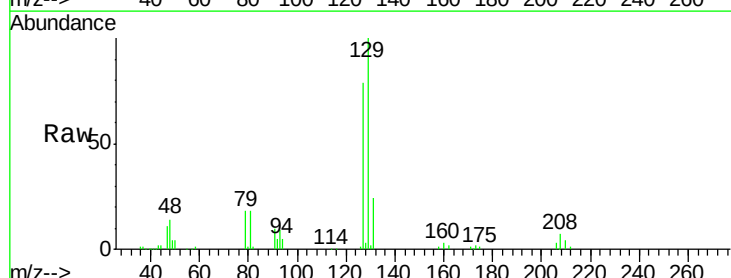
Manual Integrations  
APPROVED

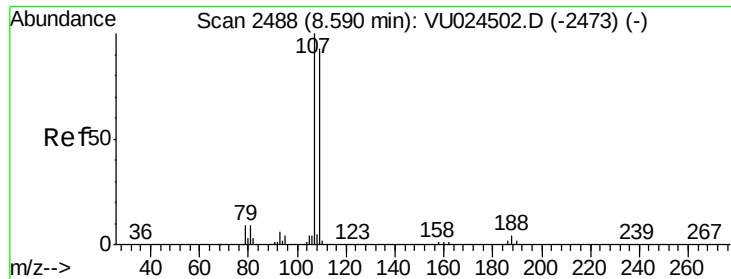
apatel  
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#60  
Dibromochloromethane  
Concen: 19.71 ug/l  
RT: 8.48 min Scan# 2454  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

Tgt Ion: 129 Resp: 57566  
Ion Ratio Lower Upper  
129 100  
127 77.4 38.6 116.0





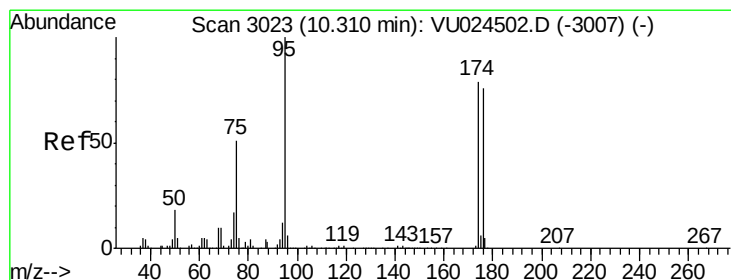
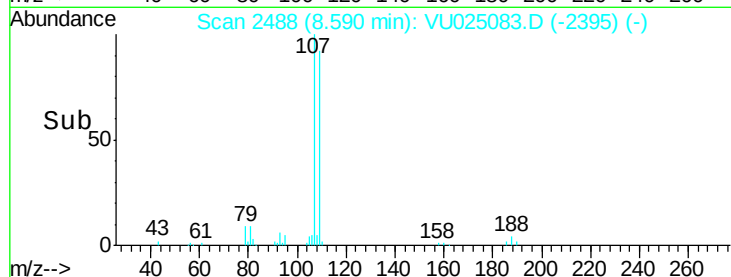
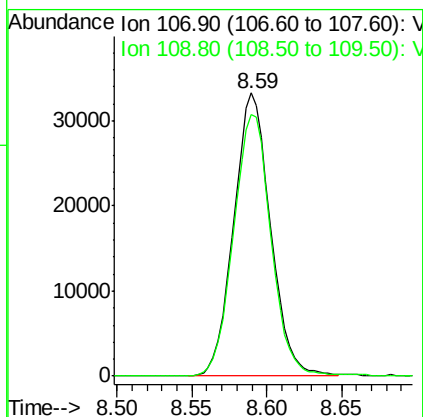
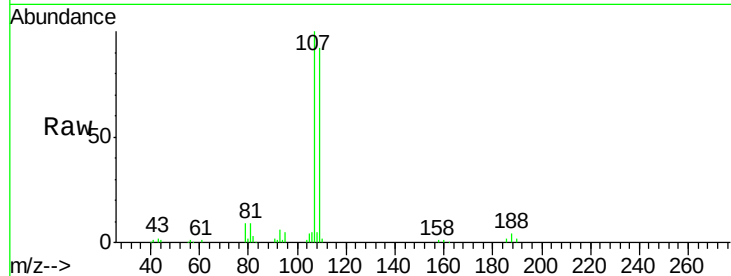
#61  
 1,2-Dibromoethane  
 Concen: 21.84 ug/l  
 RT: 8.59 min Scan# 2488  
 Delta R.T. -0.00 min  
 Lab File: VU025083.D  
 Acq: 30 Jun 2018 13:08

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0630MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.5  | 74.5  | 111.7 |

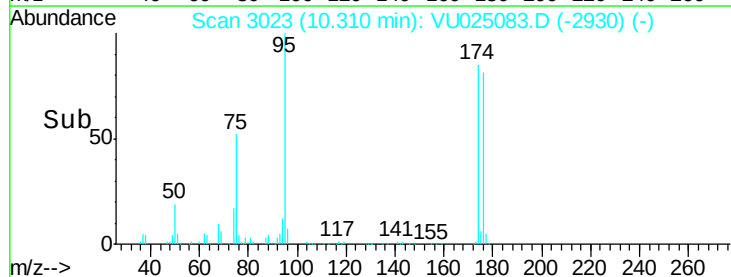
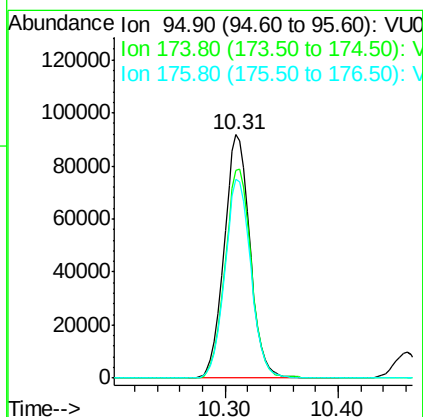
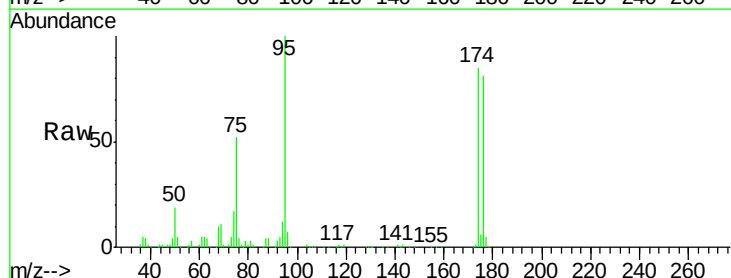
Manual Integrations  
 APPROVED

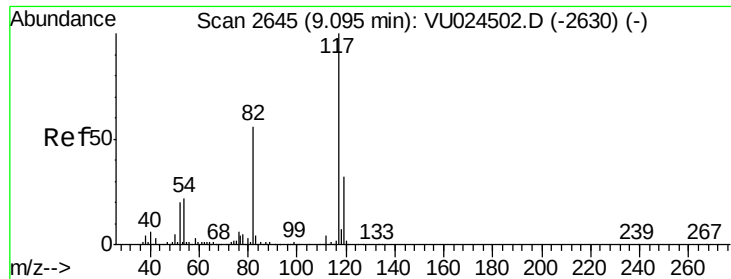
apatel  
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#62  
 4-Bromofluorobenzene  
 Concen: 45.32 ug/l  
 RT: 10.31 min Scan# 3023  
 Delta R.T. -0.00 min  
 Lab File: VU025083.D  
 Acq: 30 Jun 2018 13:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 86.7  | 0.0   | 165.8 |
| 176     | 82.4  | 0.0   | 159.4 |





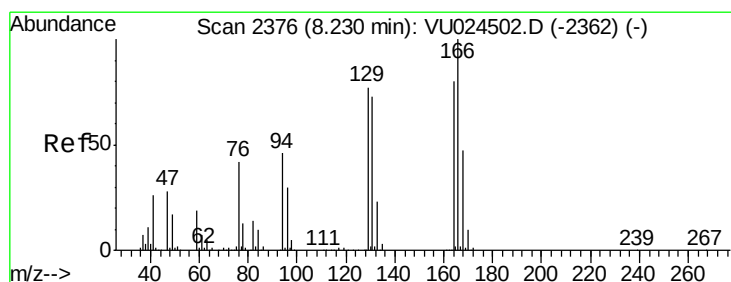
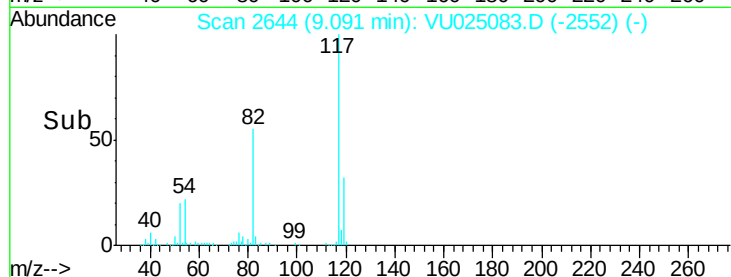
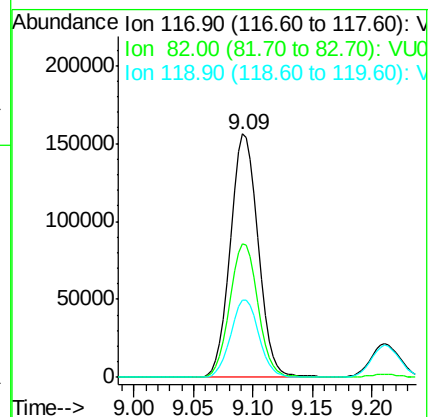
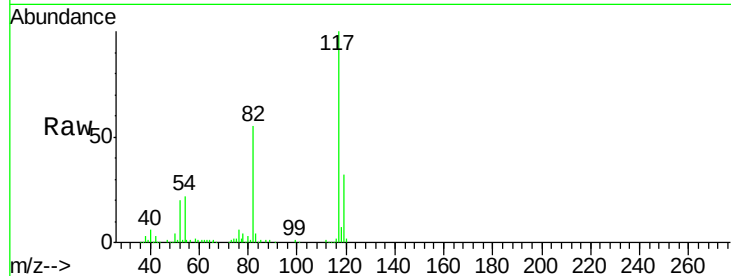
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.09 min Scan# 2644  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0630MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 254093 |       |       |
| 82      | 54.9  |        | 44.3  | 66.5  |
| 119     | 31.7  |        | 25.4  | 38.2  |

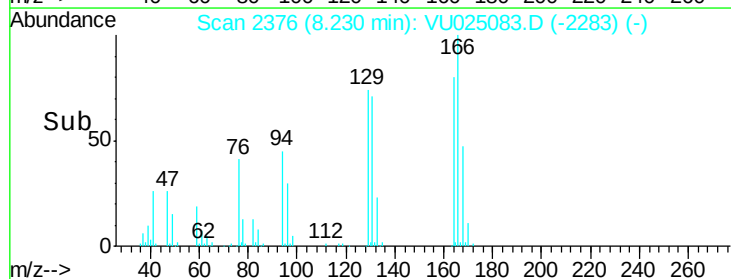
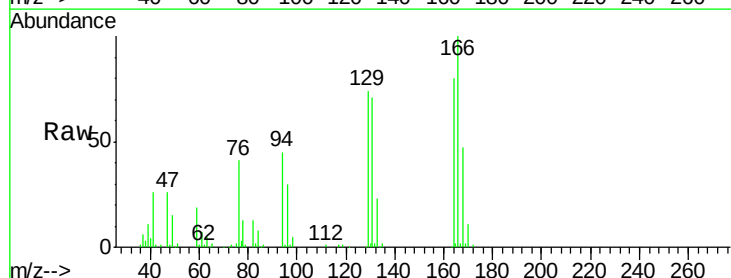
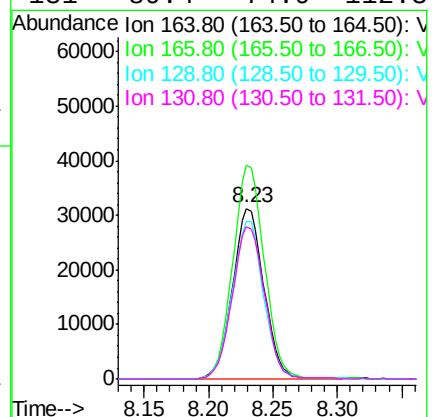
Manual Integrations  
APPROVED

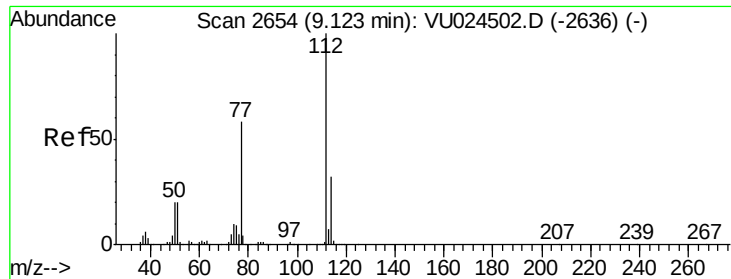
apatel  
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#64  
Tetrachloroethene  
Concen: 21.85 ug/l  
RT: 8.23 min Scan# 2376  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 52781 |       |       |
| 166     | 125.2 |       | 101.7 | 152.5 |
| 129     | 92.1  |       | 76.9  | 115.3 |
| 131     | 89.4  |       | 74.9  | 112.3 |





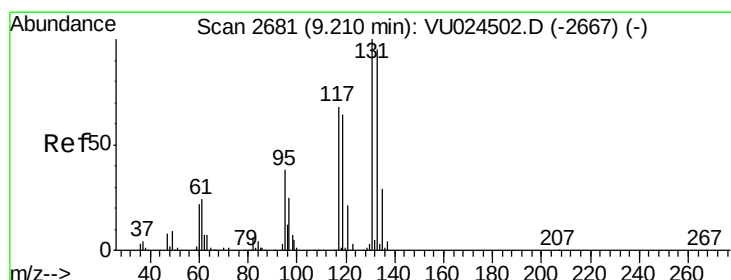
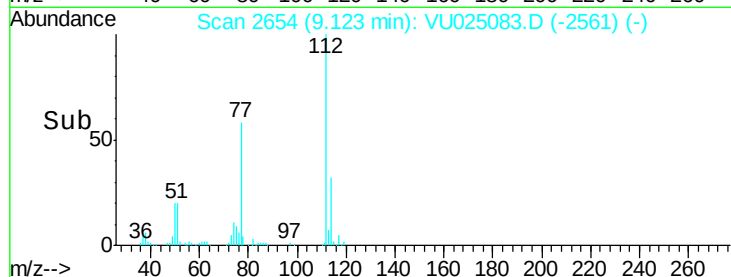
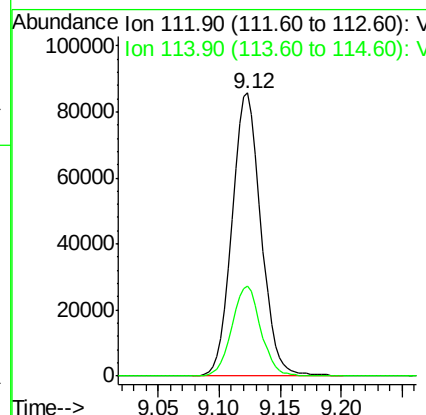
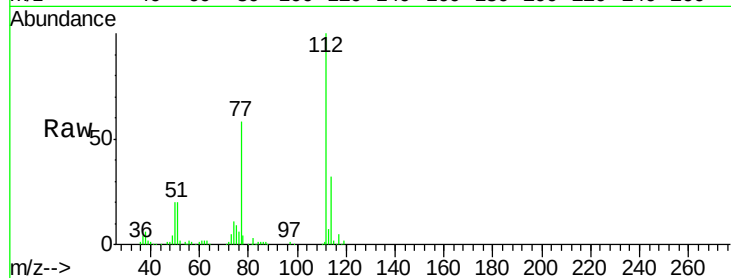
#65  
Chlorobenzene  
Concen: 21.97 ug/l  
RT: 9.12 min Scan# 2654  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0630MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.9  | 25.6  | 38.4  |

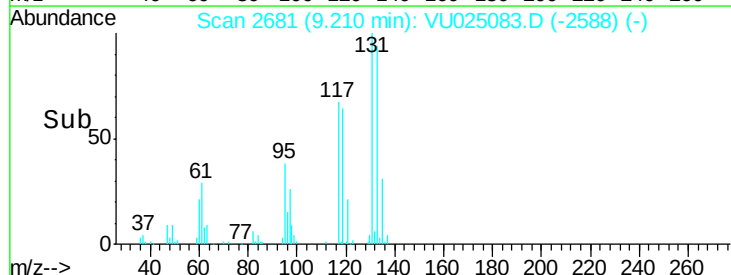
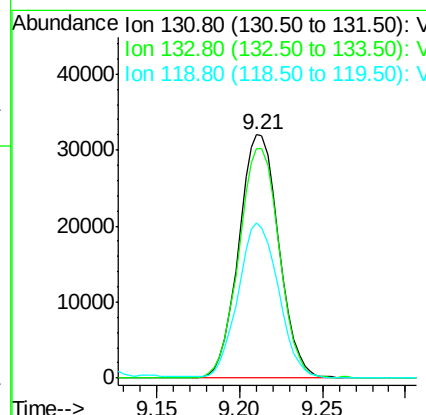
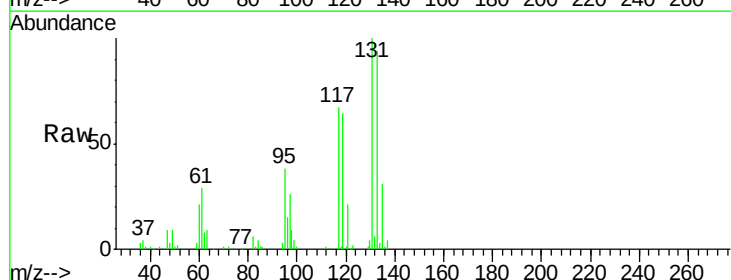
Manual Integrations  
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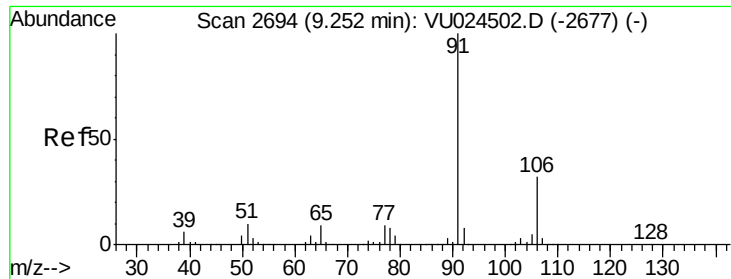
apatel  
7/2/2018 4:16:58 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.79 ug/l  
RT: 9.21 min Scan# 2681  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 95.3  | 46.9  | 140.8 |
| 119     | 64.6  | 33.5  | 100.4 |





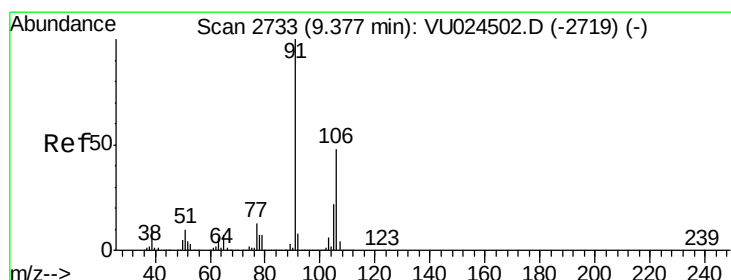
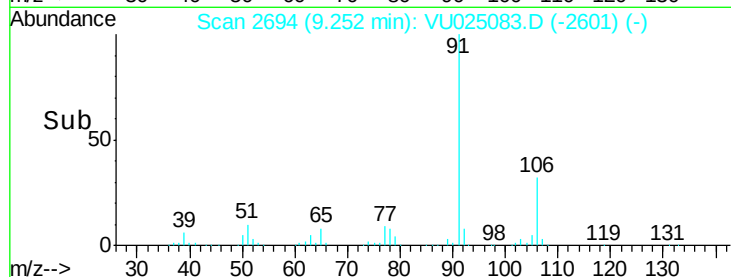
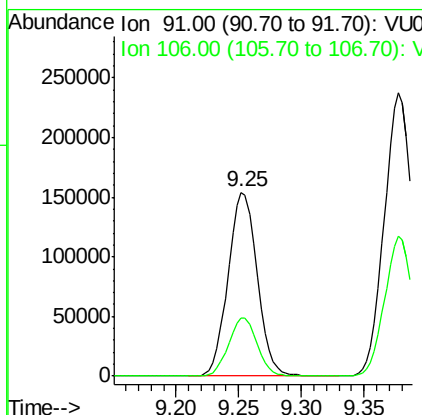
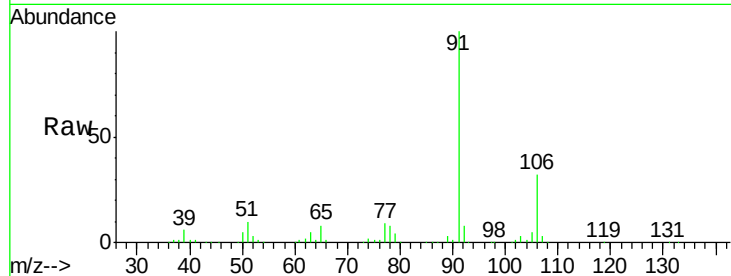
#67  
Ethyl Benzene  
Concen: 21.90 ug/l  
RT: 9.25 min Scan# 2694  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0630MBS01

Tot Ion: 91 Resp: 249190  
Ion Ratio Lower Upper  
91 100  
106 31.6 24.2 36.4

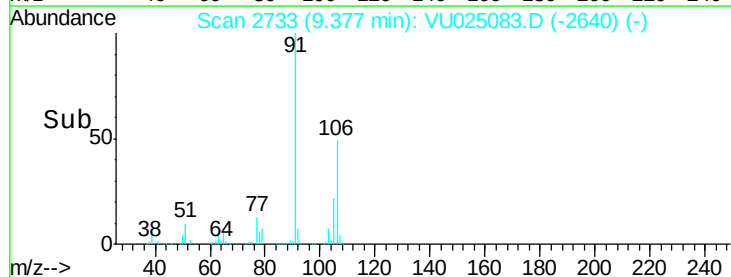
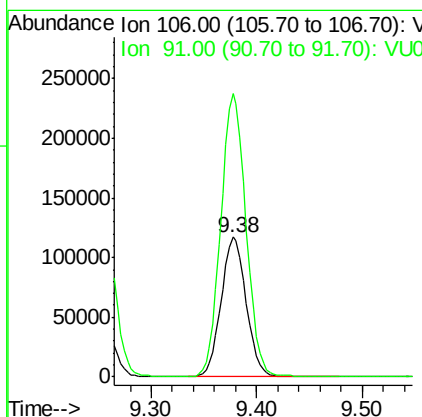
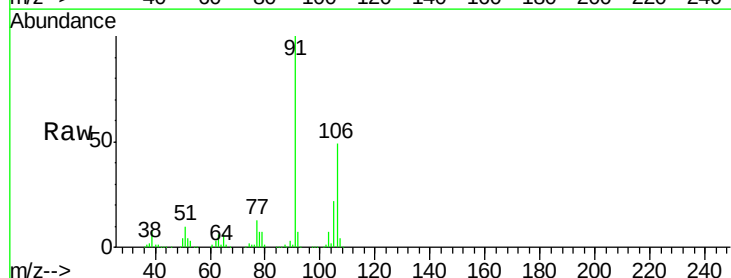
Manual Integrations  
APPROVED

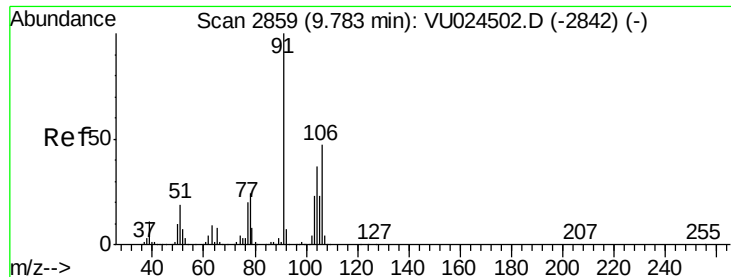
apatel  
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#68  
m/p-Xylenes  
Concen: 44.10 ug/l  
RT: 9.38 min Scan# 2733  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

Tgt Ion: 106 Resp: 192708  
Ion Ratio Lower Upper  
106 100  
91 202.5 166.5 249.7





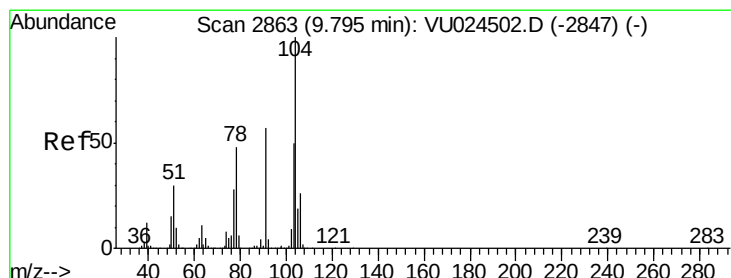
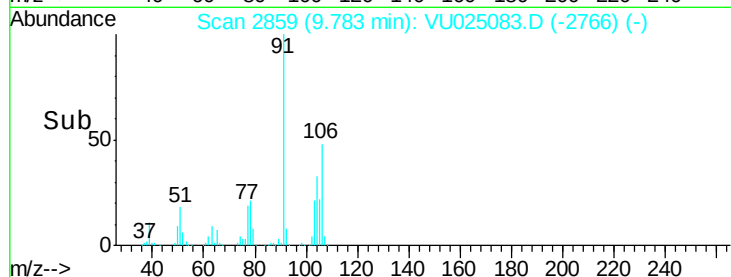
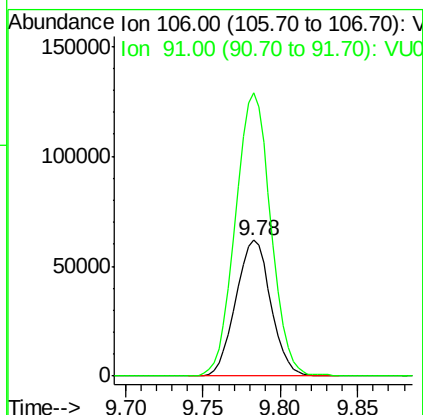
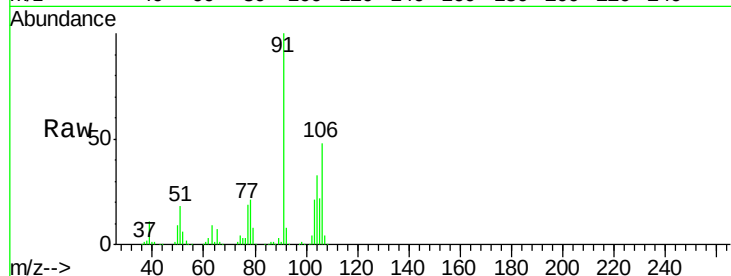
#69  
o-Xylene  
Concen: 22.52 ug/l  
RT: 9.78 min Scan# 2859  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

Instrument :  
MSVOA\_U  
ClientSampled :  
VU0630MBS01

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |
| 91      | 210.3 | 110.7 | 331.9 |       |

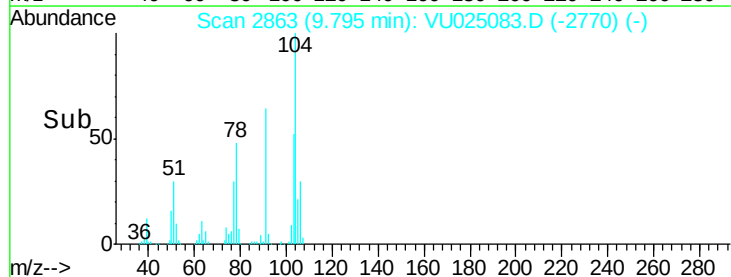
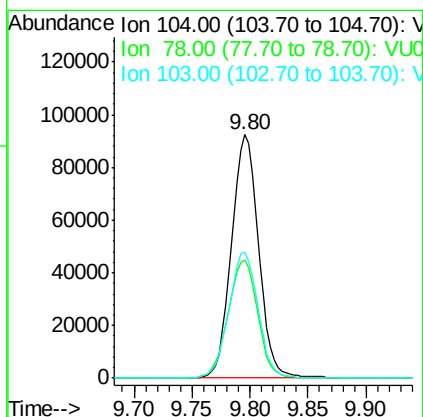
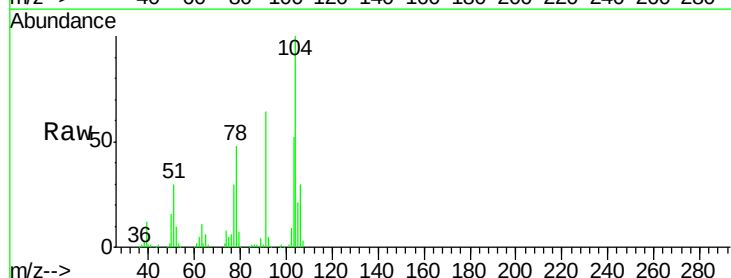
Manual Integrations  
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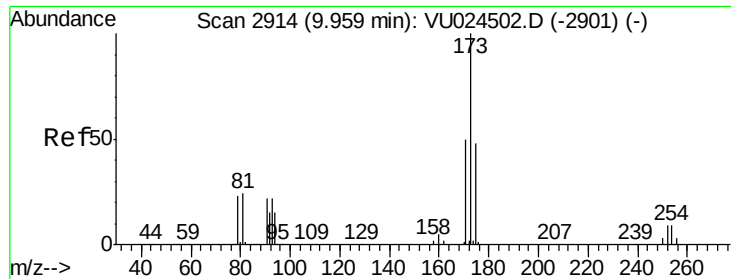


#70  
Styrene  
Concen: 20.97 ug/l  
RT: 9.80 min Scan# 2863  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 104     | 100  |       |       |       |
| 78      | 52.8 | 40.6  | 60.8  |       |
| 103     | 55.9 | 44.7  | 67.1  |       |







#71

Bromoform

Concen: 18.95 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA\_U

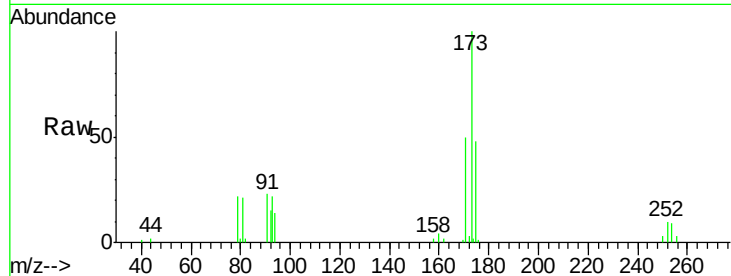
ClientSampleId :

VU0630MBS01

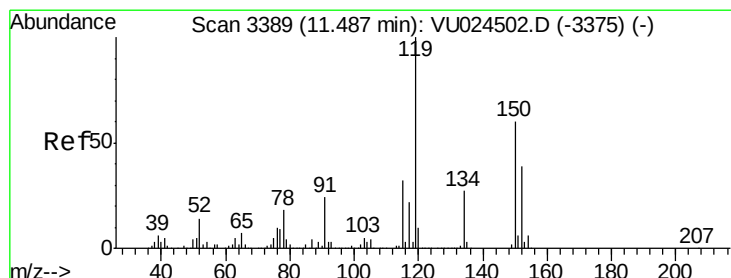
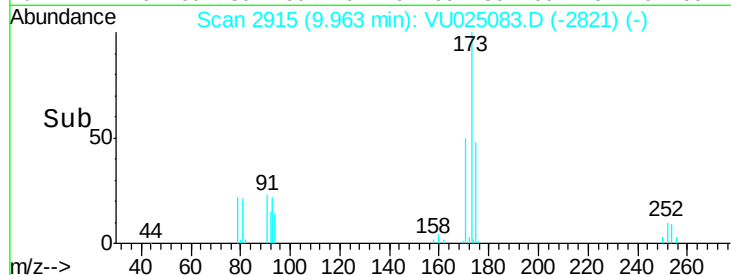
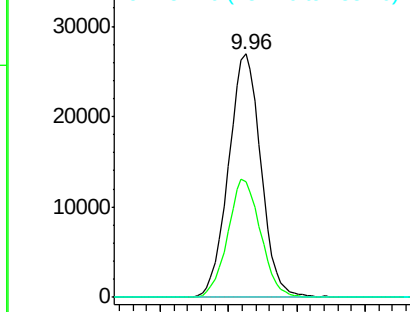
|             |       |       |
|-------------|-------|-------|
| Tot Ion:173 | Resp: | 44430 |
| Ion Ratio   | Lower | Upper |
| 173 100     |       |       |
| 175 48.9    | 24.6  | 74.0  |
| 254 0.0     | 0.0   | 0.0   |

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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

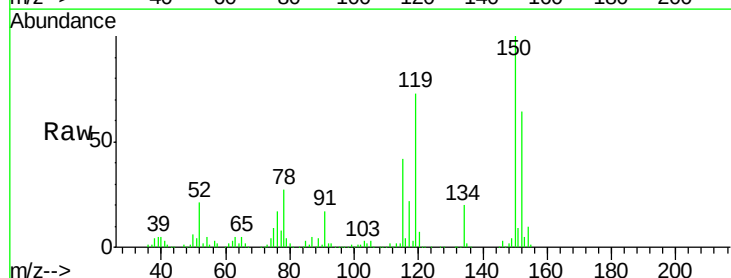
RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

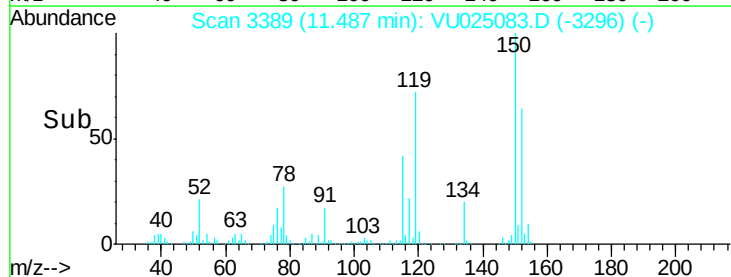
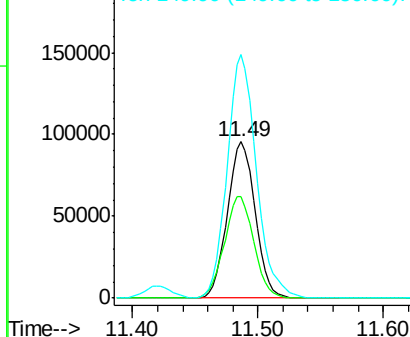
Lab File: VU025083.D

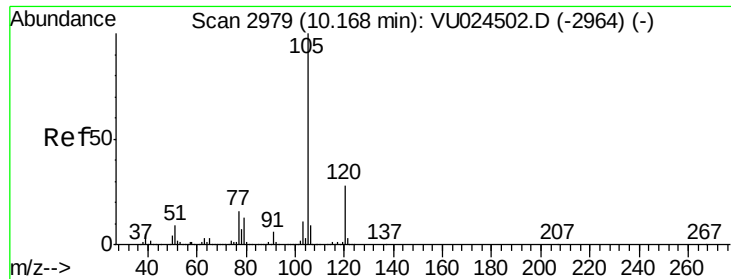
Acq: 30 Jun 2018 13:08

|             |       |        |
|-------------|-------|--------|
| Tgt Ion:152 | Resp: | 146571 |
| Ion Ratio   | Lower | Upper  |
| 152 100     |       |        |
| 115 68.8    | 43.0  | 129.0  |
| 150 163.6   | 0.0   | 354.0  |



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: 22.65 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA\_U

ClientSampleId :

VU0630MBS01

Tot Ion: 105 Resp: 254924

Ion Ratio Lower Upper

105 100

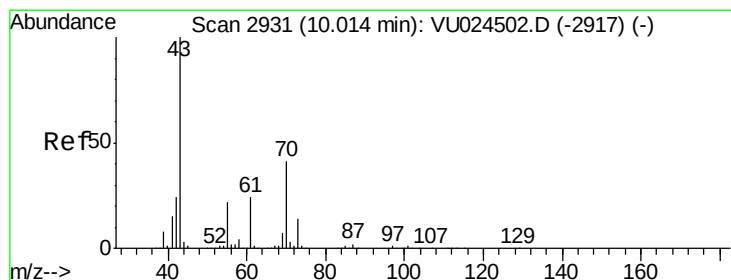
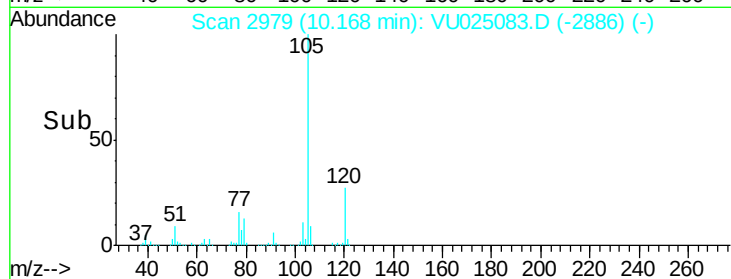
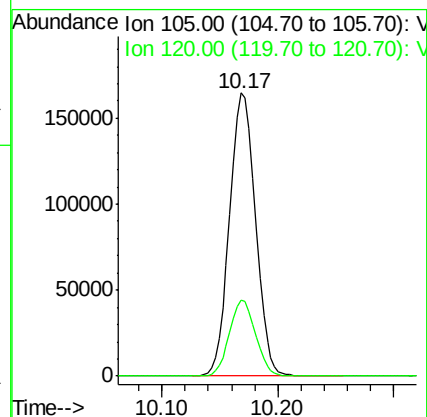
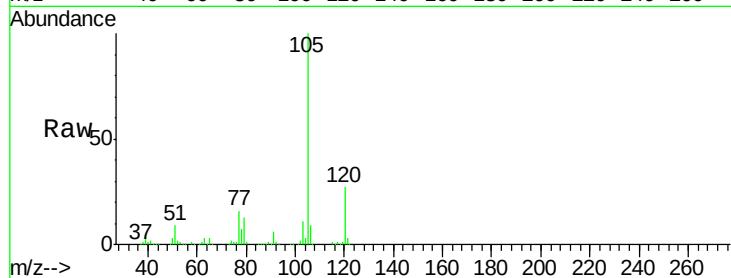
120 26.9 13.2 39.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.74 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Tgt Ion: 43 Resp: 105669

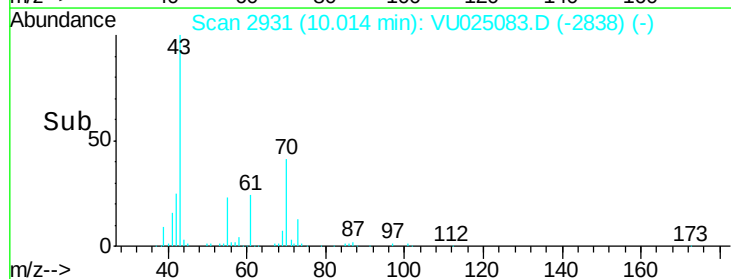
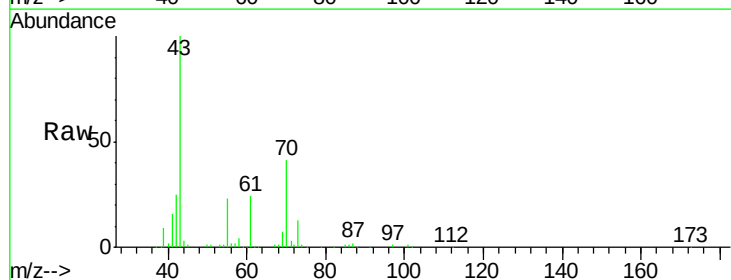
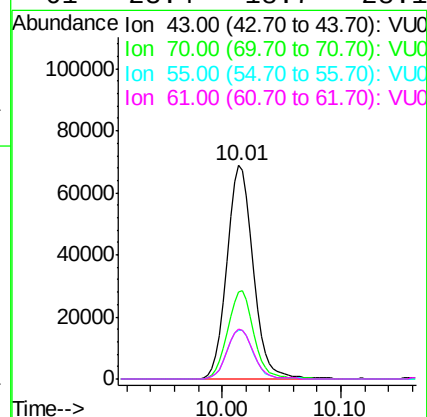
Ion Ratio Lower Upper

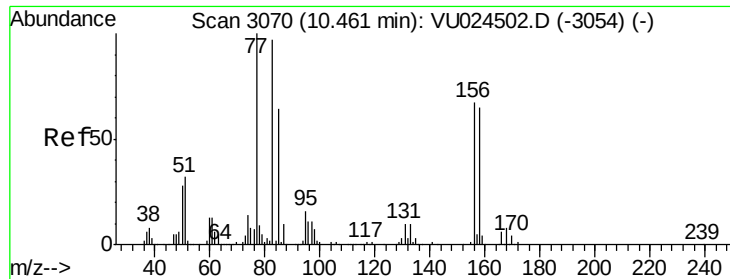
43 100

70 41.3 32.2 48.4

55 23.3 20.5 30.7

61 23.4 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.51 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA\_U

ClientSampleId :

VU0630MBS01

Tot Ion: 83 Resp: 84869

Ion Ratio Lower Upper

83 100

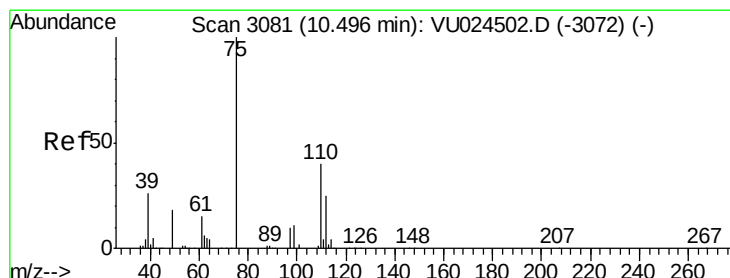
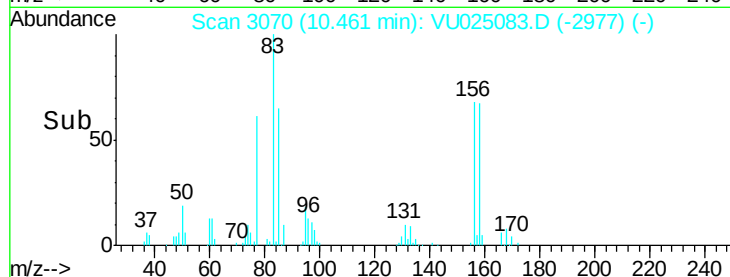
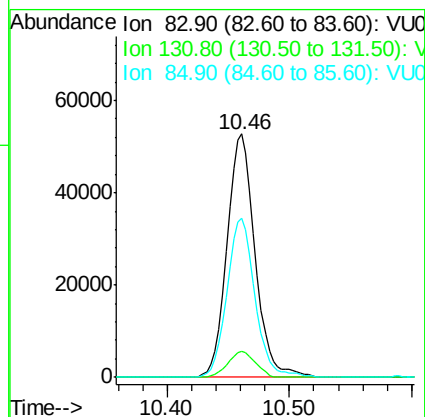
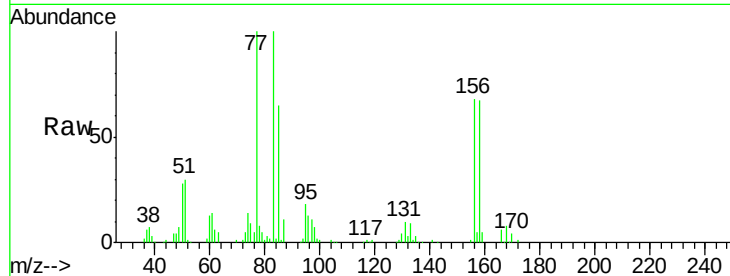
131 10.3 4.7 14.1

85 65.7 32.5 97.5

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#76

1,2,3-Trichloropropane

Concen: 23.79 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU025083.D

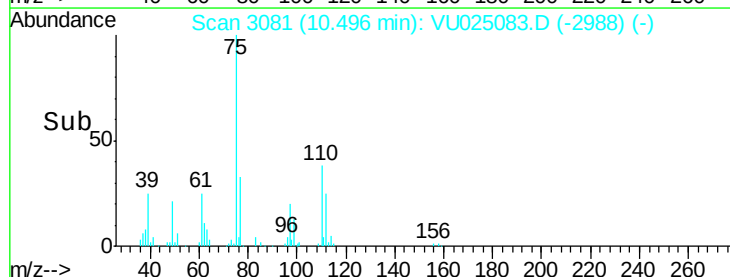
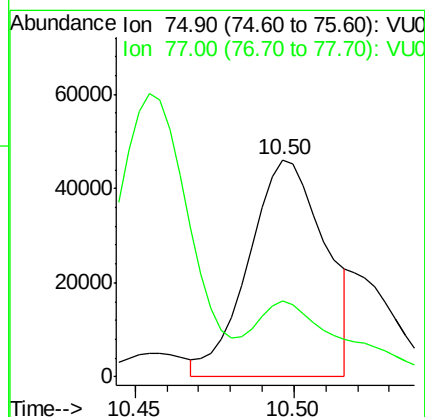
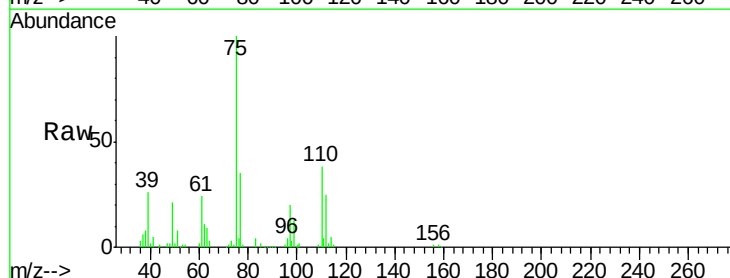
Acq: 30 Jun 2018 13:08

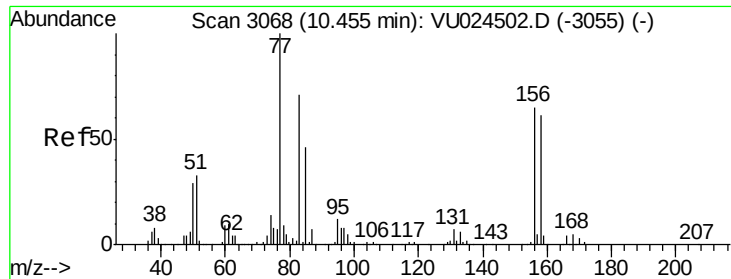
Tgt Ion: 75 Resp: 76781

Ion Ratio Lower Upper

75 100

77 40.8 20.9 62.7





#77

Bromobenzene

Concen: 22.53 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA\_U

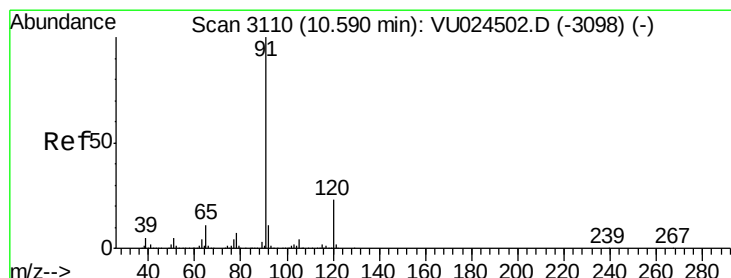
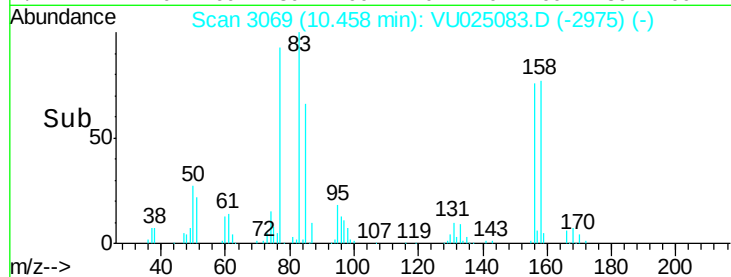
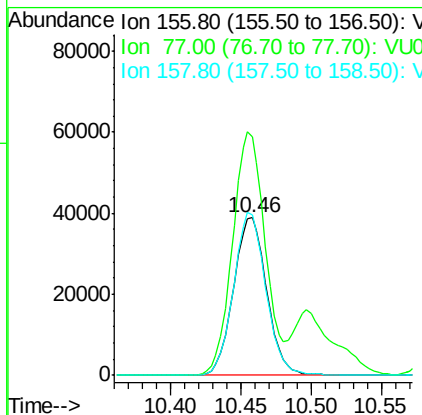
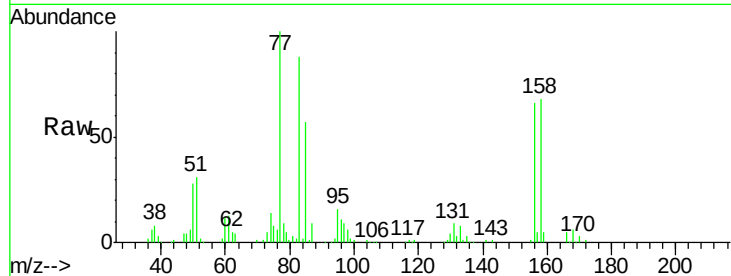
ClientSampleId :

VU0630MBS01

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 156     | 100   |       |       |       |
| 77      | 151.1 | 80.5  | 241.3 |       |
| 158     | 100.5 | 48.2  | 144.6 |       |

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#78

n-propylbenzene

Concen: 21.52 ug/l

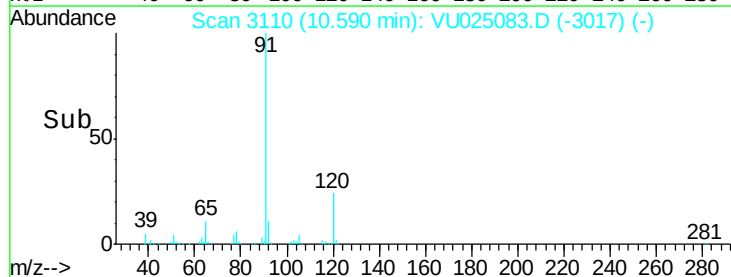
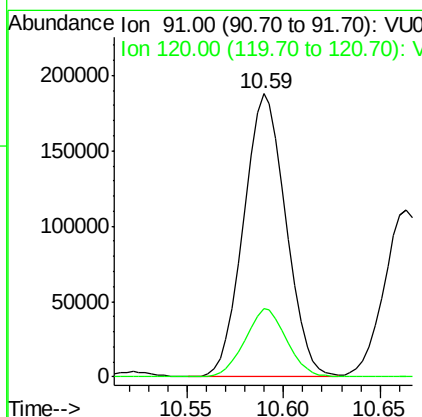
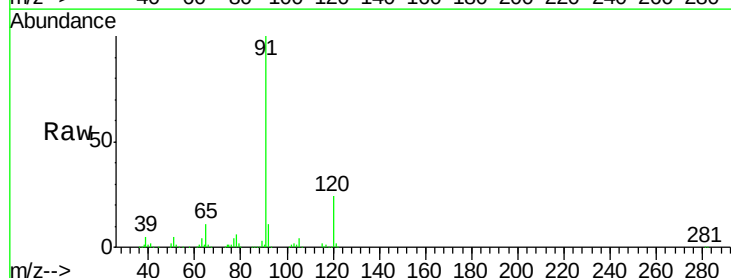
RT: 10.59 min Scan# 3110

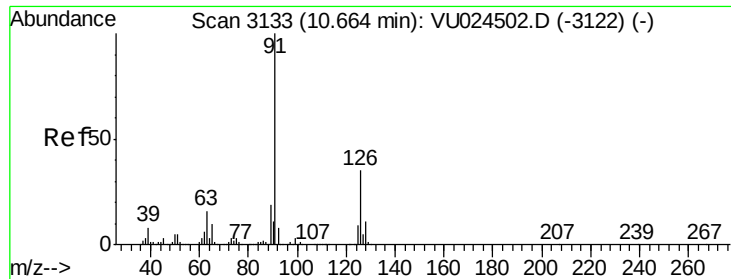
Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 91      | 100  |       |       |       |
| 120     | 23.8 | 11.2  | 33.5  |       |





#79

2-Chlorotoluene

Concen: 22.42 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA\_U

ClientSampleId :

VU0630MBS01

Tot Ion: 91 Resp: 175230

Ion Ratio Lower Upper

91 100

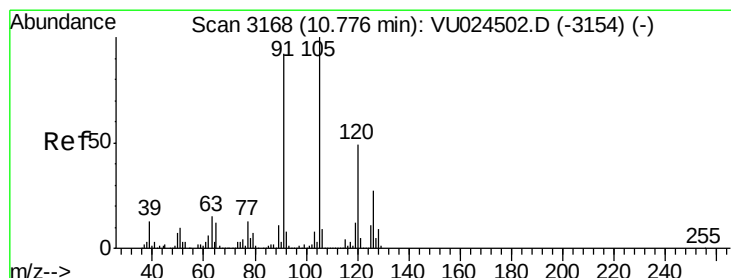
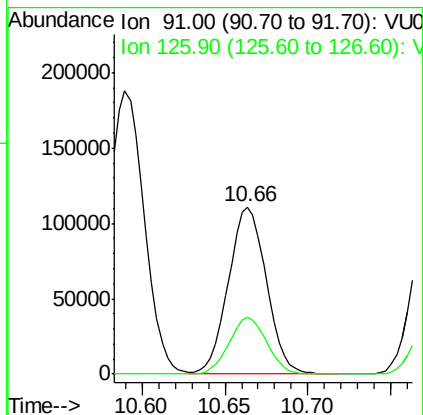
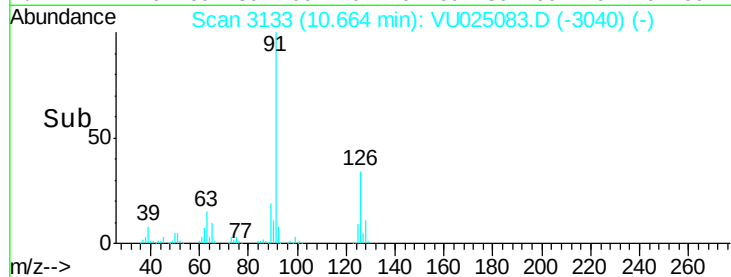
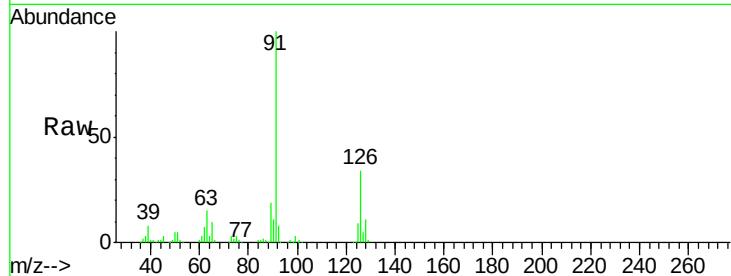
126 34.1 16.9 50.7

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#80

1,3,5-Trimethylbenzene

Concen: 22.44 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025083.D

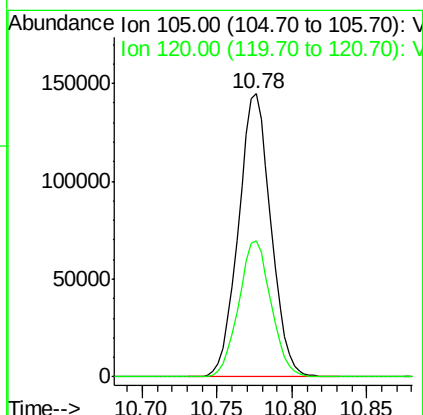
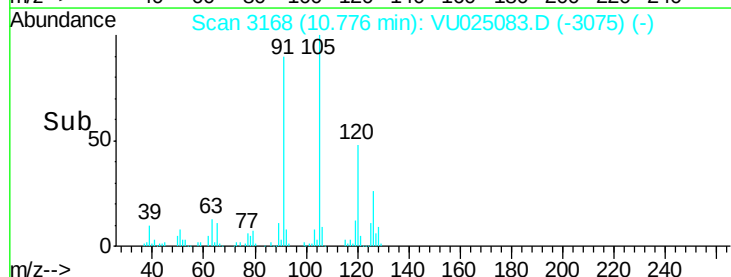
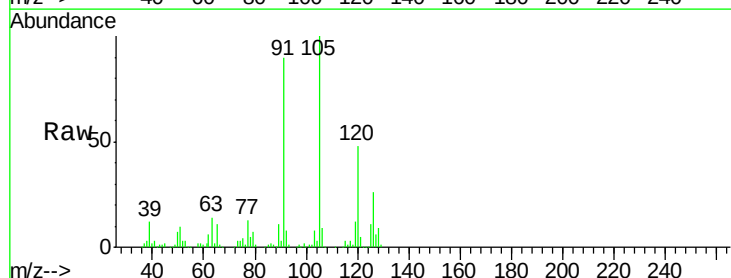
Acq: 30 Jun 2018 13:08

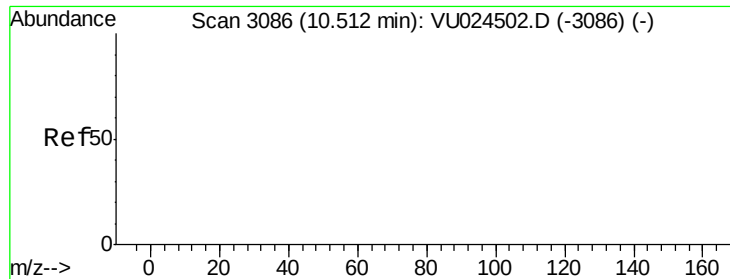
Tgt Ion: 105 Resp: 218830

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.40 ug/l m

RT: 10.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VU025083.D

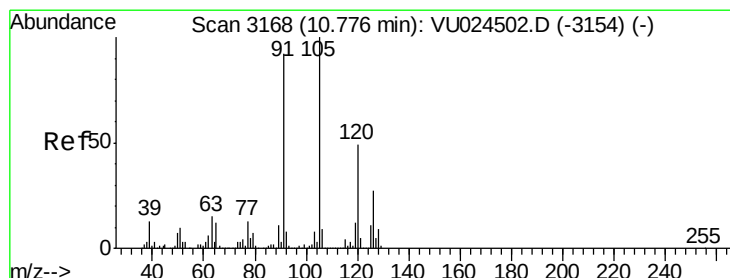
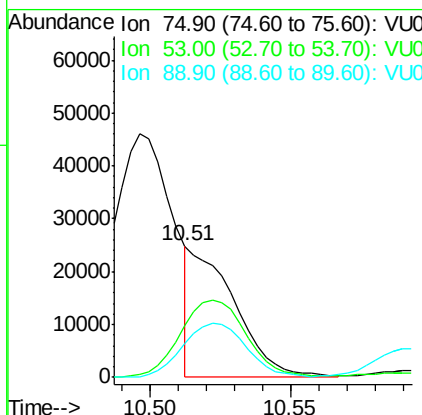
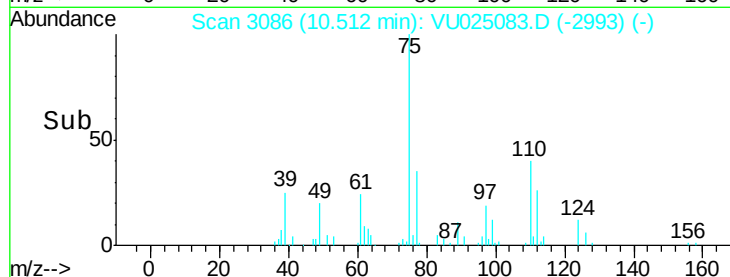
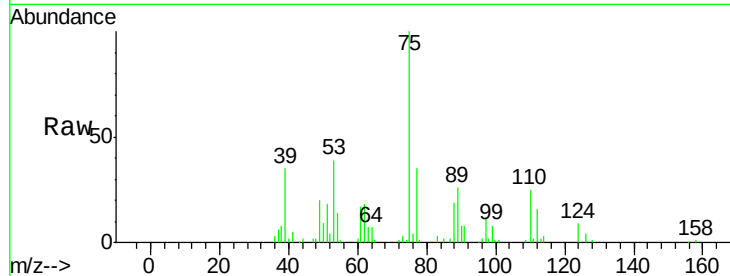
Acq: 30 Jun 2018 13:08

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0630MBS01

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

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#82

4-Chlorotoluene

Concen: 21.85 ug/l

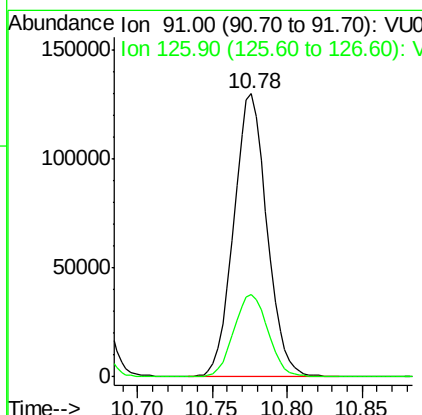
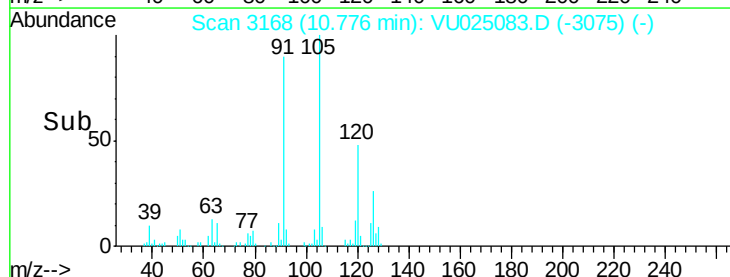
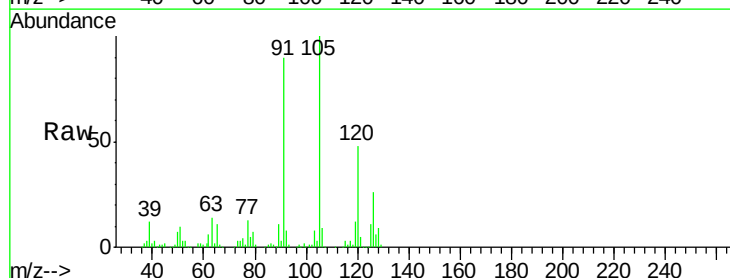
RT: 10.78 min Scan# 3168

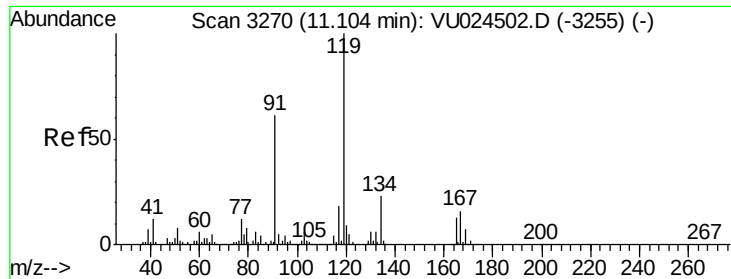
Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 30.6  | 14.9  | 44.9  |





#83

tert-Butylbenzene

Concen: 23.20 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA\_U

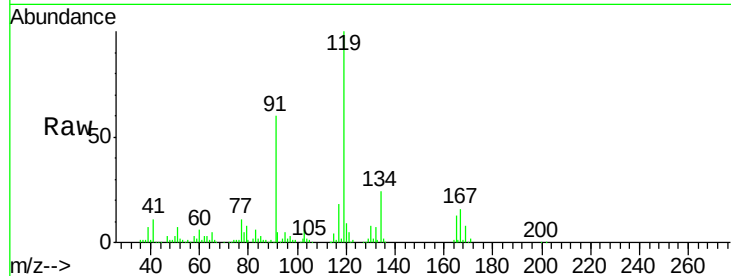
ClientSampleId :

VU0630MBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 217623 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 60.6  | 29.7  | 89.1   |
| 134       | 22.9  | 11.6  | 34.7   |

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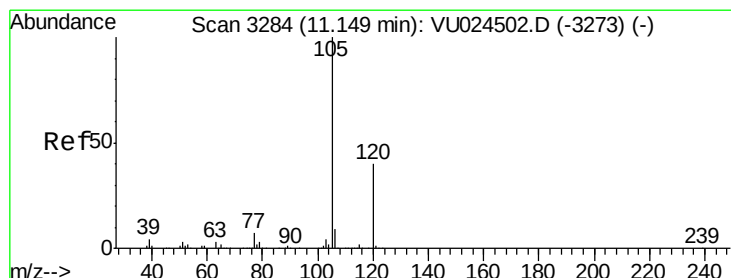
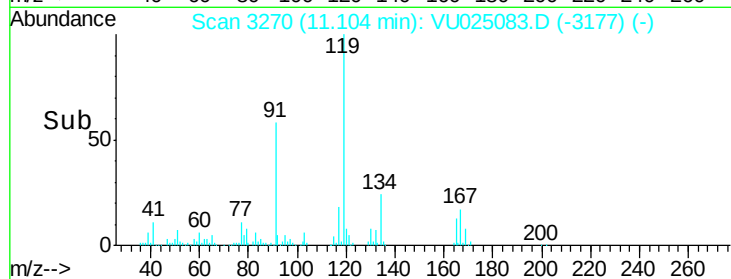
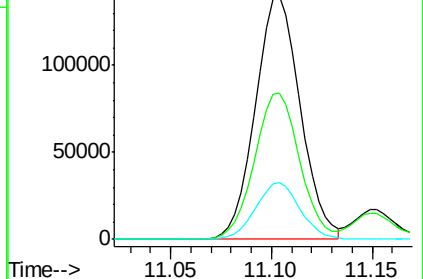
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.96 ug/l

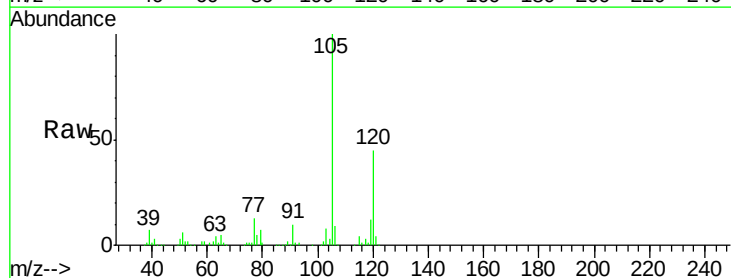
RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025083.D

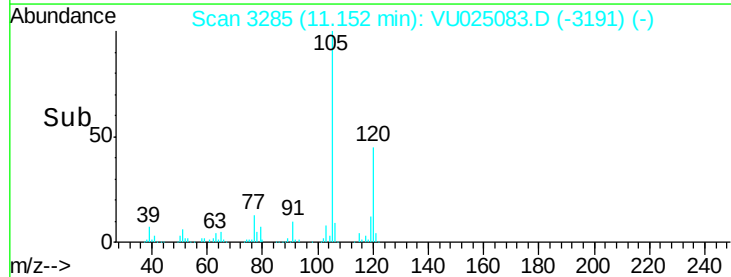
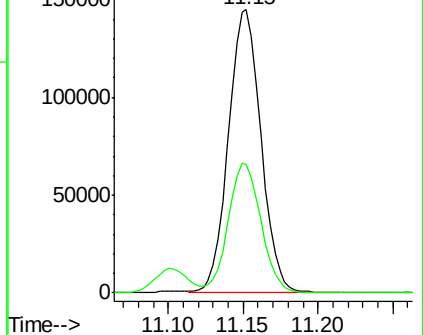
Acq: 30 Jun 2018 13:08

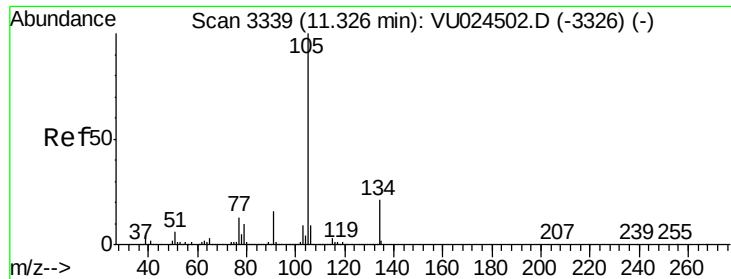
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 218273 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 46.3  | 22.6  | 67.8   |



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.02 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA\_U

ClientSampleId :

VU0630MBS01

Tot Ion:105 Resp: 258573

Ion Ratio Lower Upper

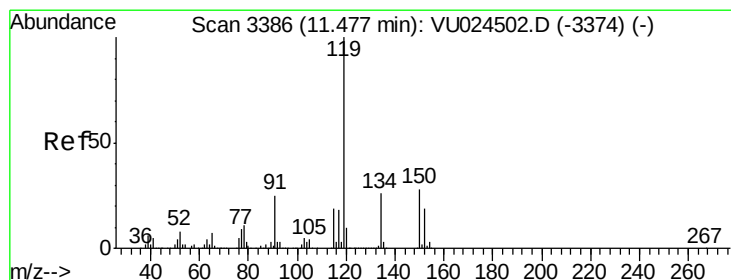
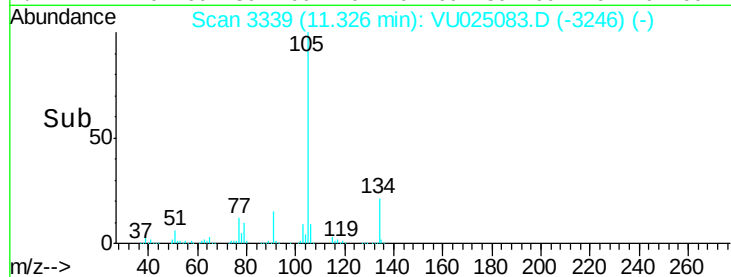
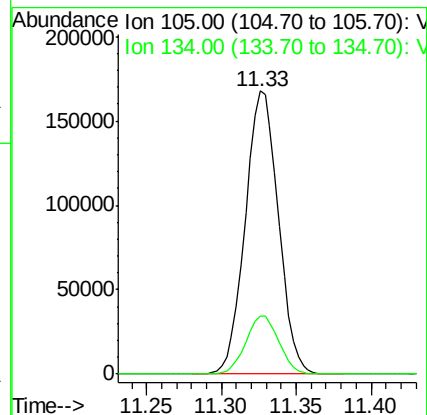
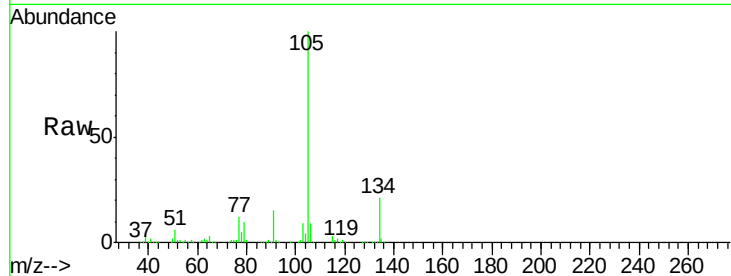
105 100

134 20.6 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 21.74 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

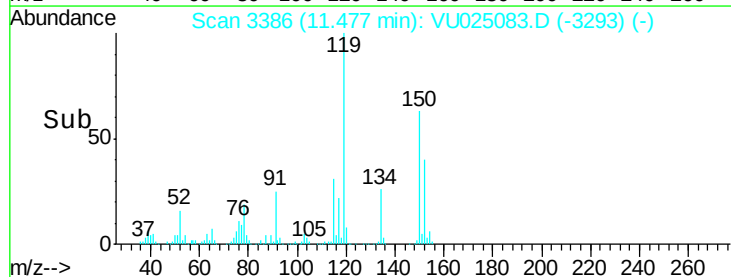
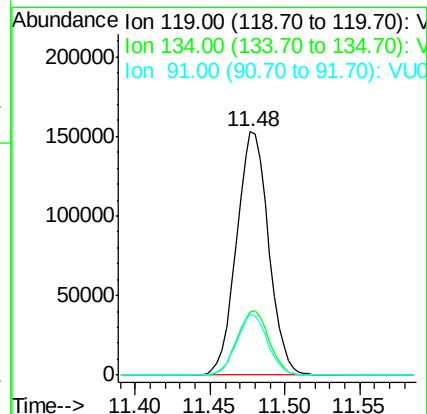
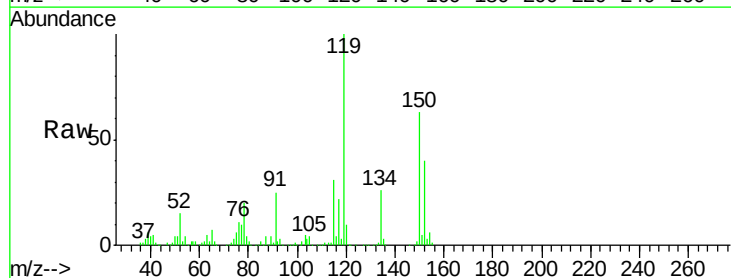
Tgt Ion:119 Resp: 228684

Ion Ratio Lower Upper

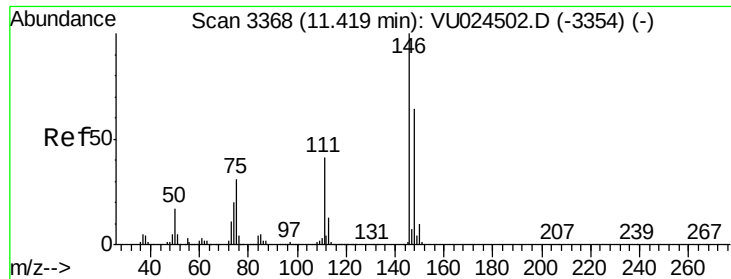
119 100

134 26.2 12.9 38.6

91 24.3 12.0 36.1







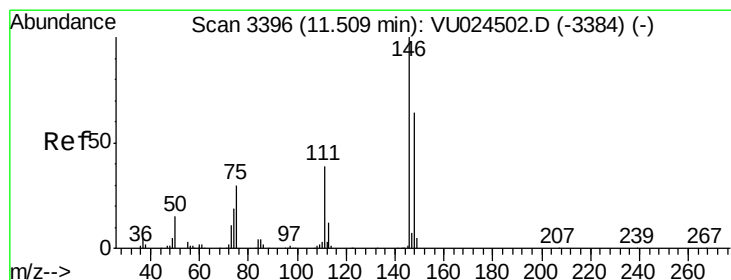
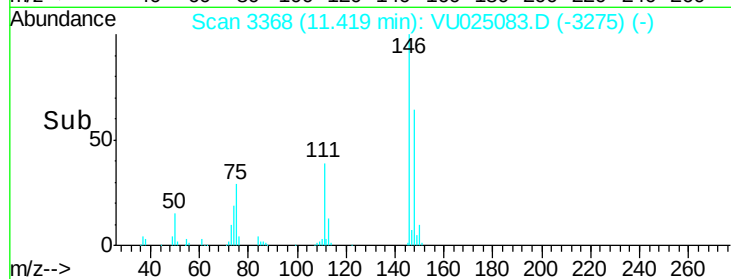
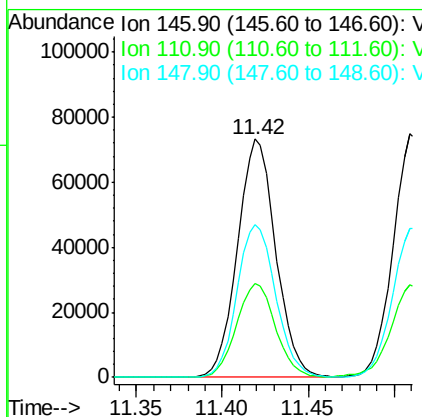
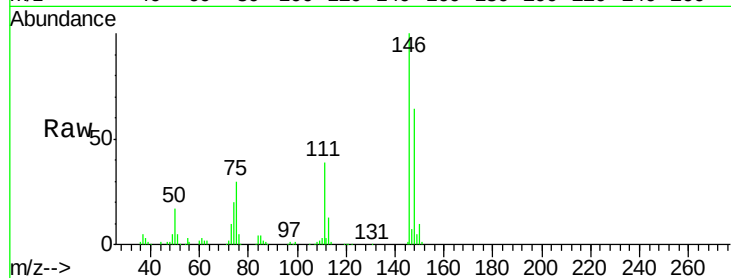
#87  
 1,3-Dichlorobenzene  
 Concen: 21.55 ug/l  
 RT: 11.42 min Scan# 3368  
 Delta R.T. -0.00 min  
 Lab File: VU025083.D  
 Acq: 30 Jun 2018 13:08

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0630MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.2  | 20.0  | 60.0  |
| 148     | 64.8  | 32.1  | 96.5  |

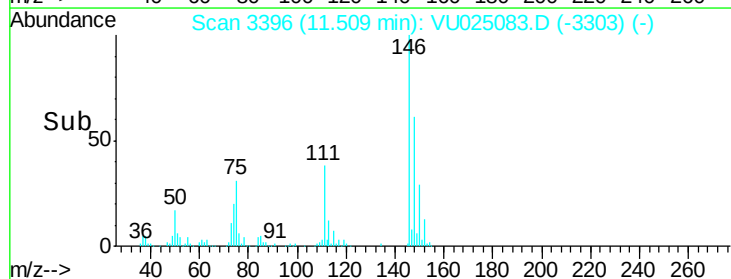
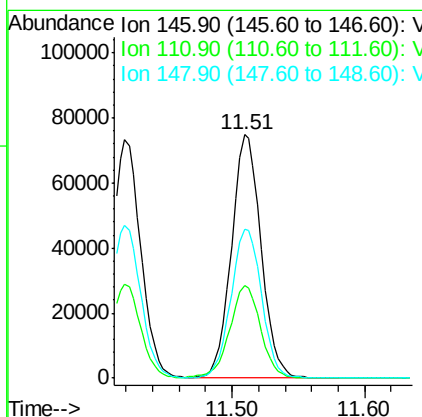
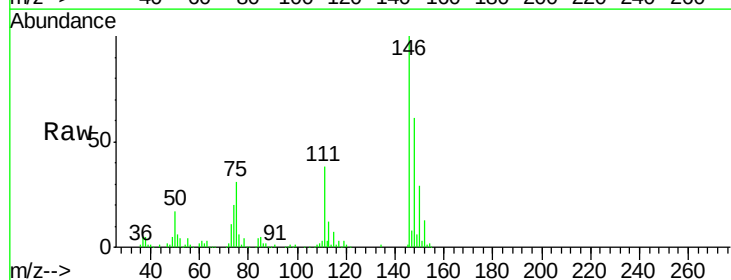
Manual Integrations  
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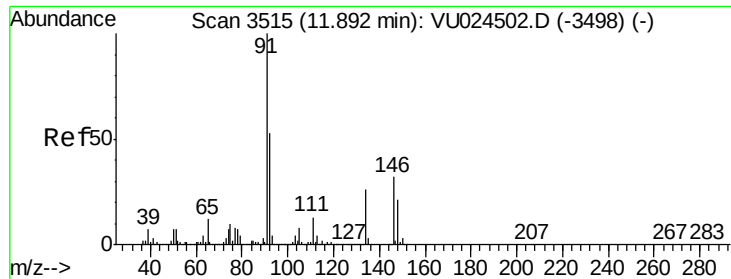
apatel  
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#88  
 1,4-Dichlorobenzene  
 Concen: 21.91 ug/l  
 RT: 11.51 min Scan# 3396  
 Delta R.T. -0.00 min  
 Lab File: VU025083.D  
 Acq: 30 Jun 2018 13:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.7  | 19.5  | 58.5  |
| 148     | 63.6  | 32.4  | 97.0  |





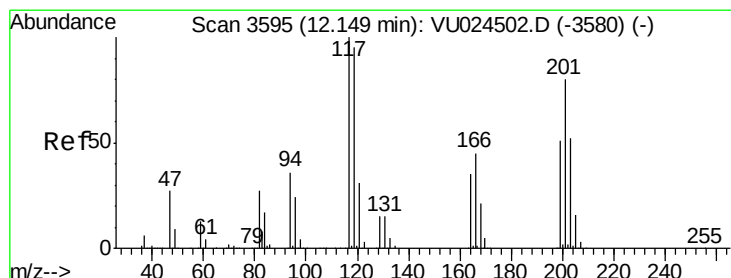
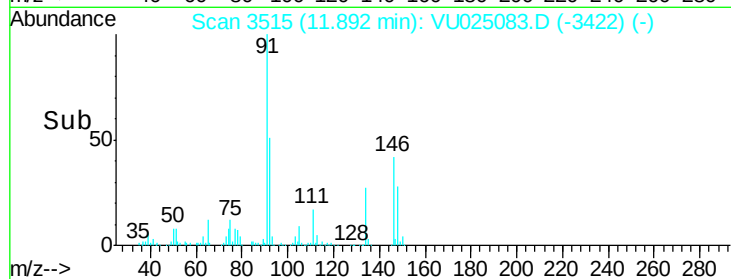
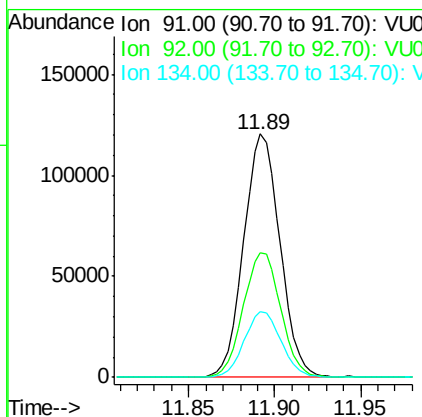
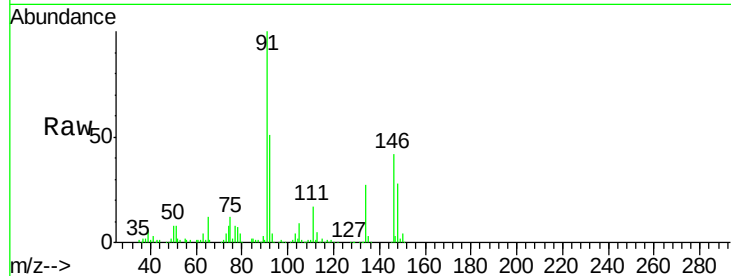
#89  
n-Butylbenzene  
Concen: 18.94 ug/l  
RT: 11.89 min Scan# 3515  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0630MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.7  | 25.6  | 76.8  |
| 134     | 27.4  | 12.3  | 36.8  |

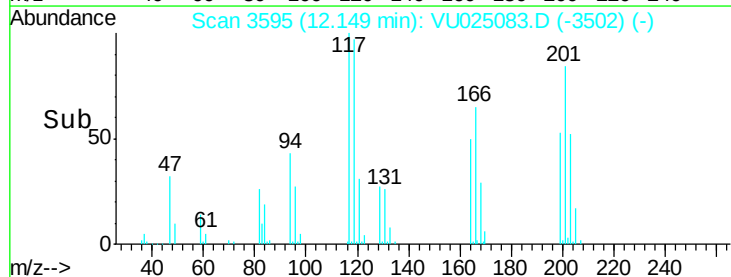
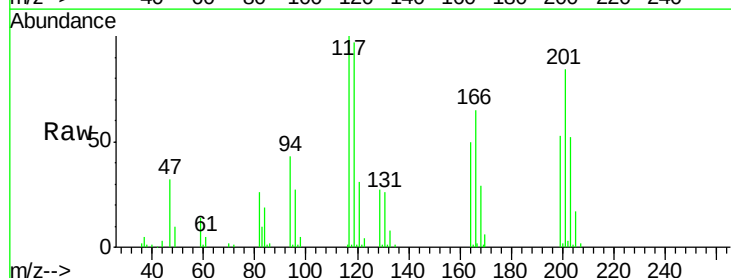
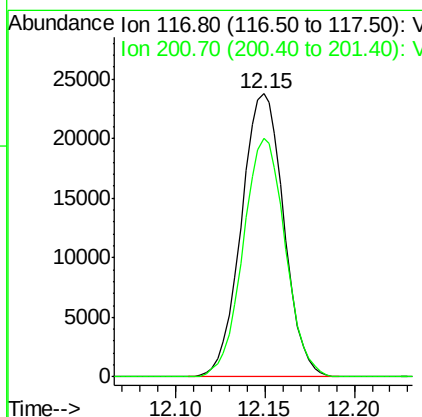
Manual Integrations  
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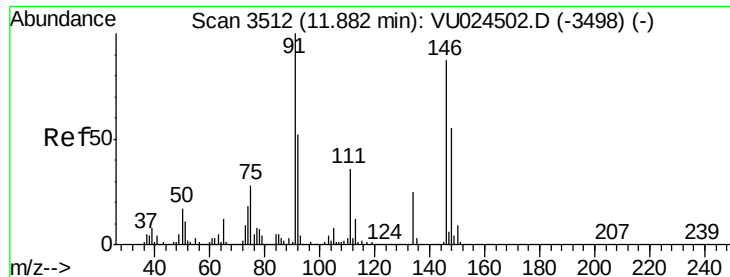
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#90  
Hexachloroethane  
Concen: 19.27 ug/l  
RT: 12.15 min Scan# 3595  
Delta R.T. -0.00 min  
Lab File: VU025083.D  
Acq: 30 Jun 2018 13:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 83.7  | 41.1  | 123.3 |





#91

1,2-Dichlorobenzene

Concen: 22.76 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA\_U

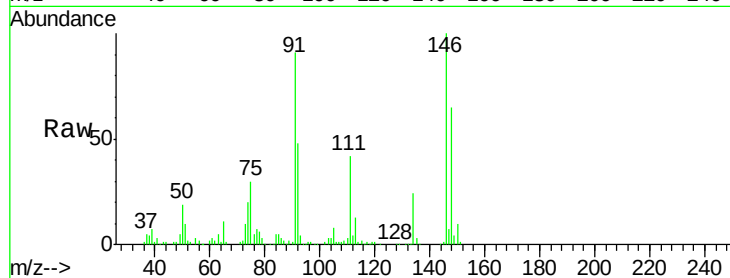
ClientSampled :

VU0630MBS01

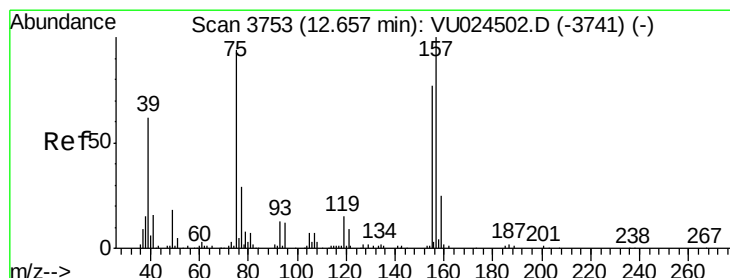
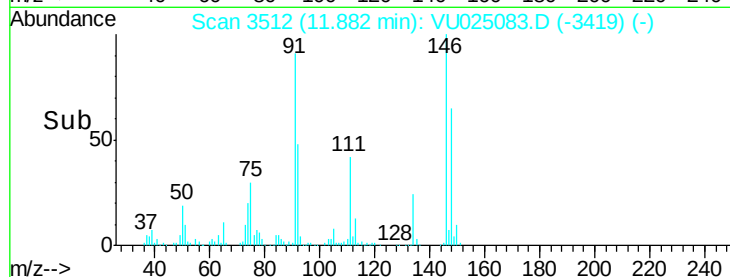
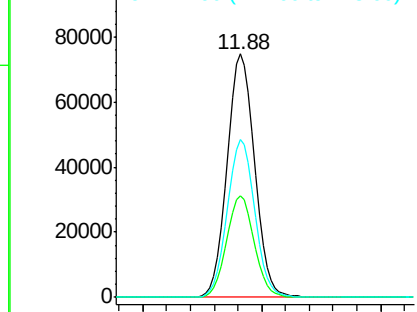
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 119998 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 41.7  | 20.5  | 61.6   |
| 148       | 64.7  | 31.9  | 95.7   |

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.57 ug/l

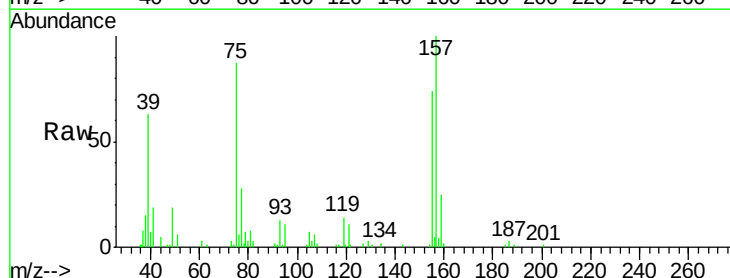
RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

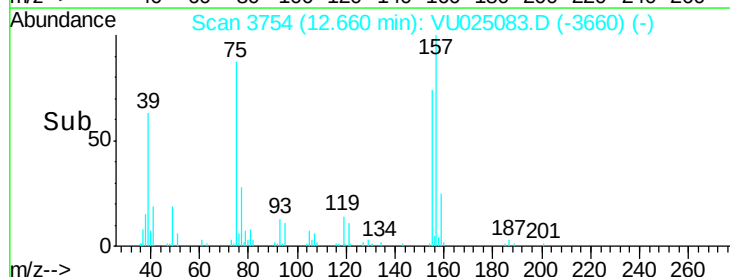
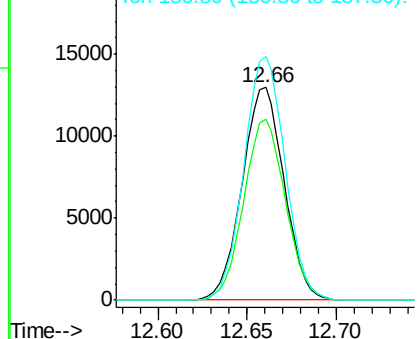
Lab File: VU025083.D

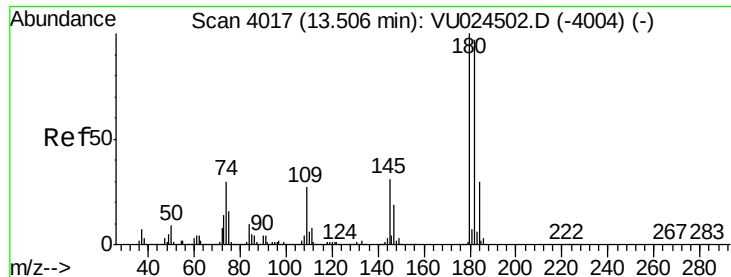
Acq: 30 Jun 2018 13:08

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 21402 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 84.4  | 40.4  | 121.2 |
| 157       | 112.1 | 52.3  | 156.8 |



Abundance Ion 74.90 (74.60 to 75.60): VU0  
Ion 154.80 (154.50 to 155.50): V  
Ion 156.80 (156.50 to 157.50): V





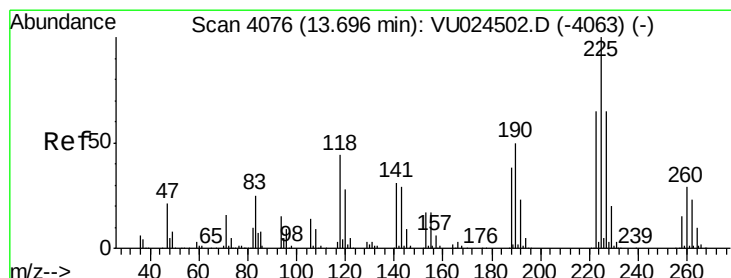
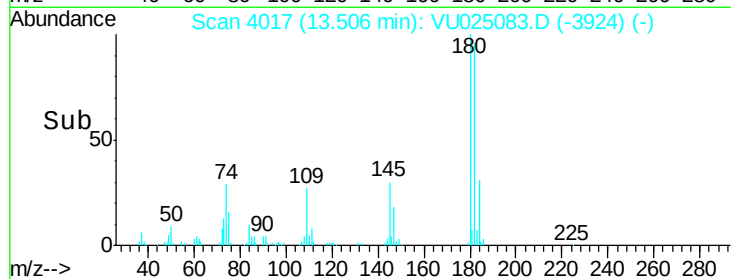
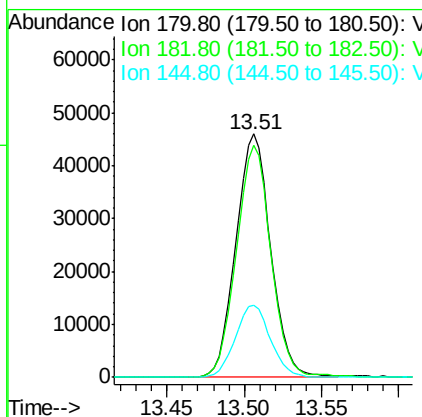
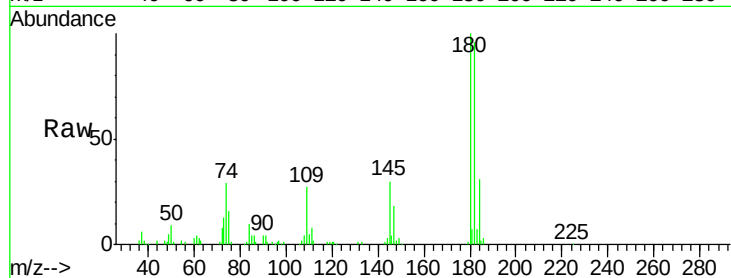
#93  
 1,2,4-Trichlorobenzene  
 Concen: 22.05 ug/l  
 RT: 13.51 min Scan# 4017  
 Delta R.T. -0.00 min  
 Lab File: VU025083.D  
 Acq: 30 Jun 2018 13:08

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0630MBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 71781 |       |       |
| 182     | 94.1  | 48.0  | 144.2 |       |
| 145     | 29.9  | 14.7  | 44.1  |       |

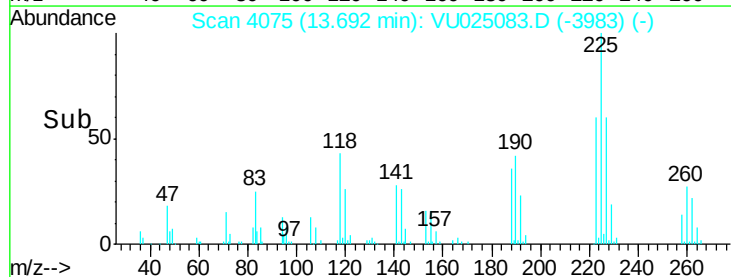
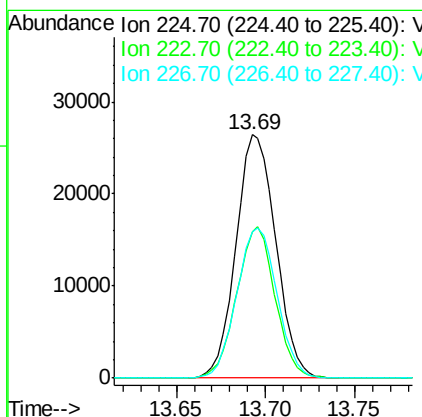
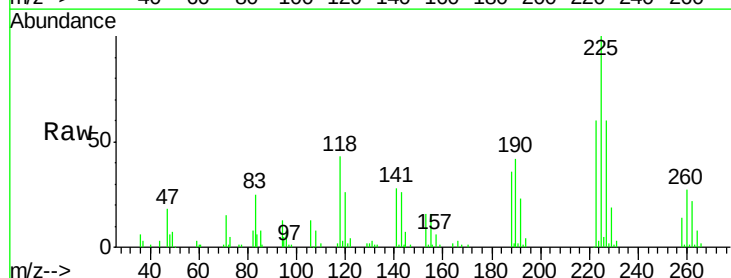
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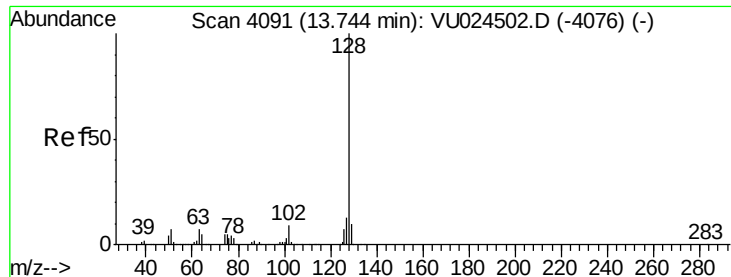
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#94  
 Hexachlorobutadiene  
 Concen: 22.50 ug/l  
 RT: 13.69 min Scan# 4075  
 Delta R.T. -0.00 min  
 Lab File: VU025083.D  
 Acq: 30 Jun 2018 13:08

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 41228 |       |       |
| 223     | 60.1  | 31.3  | 93.8  |       |
| 227     | 62.5  | 31.8  | 95.4  |       |





#95

Naphthalene

Concen: 22.90 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA\_U

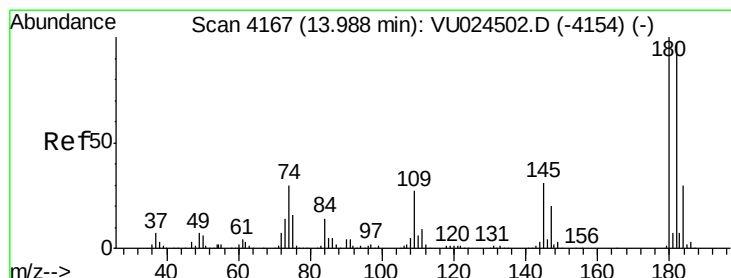
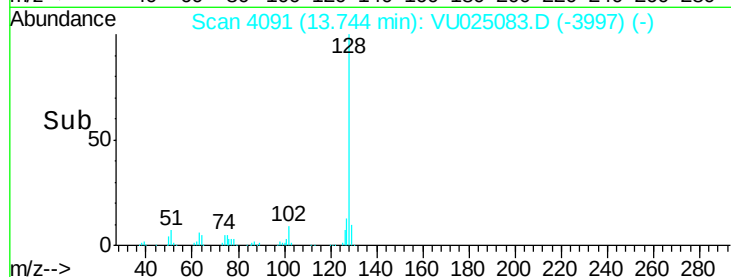
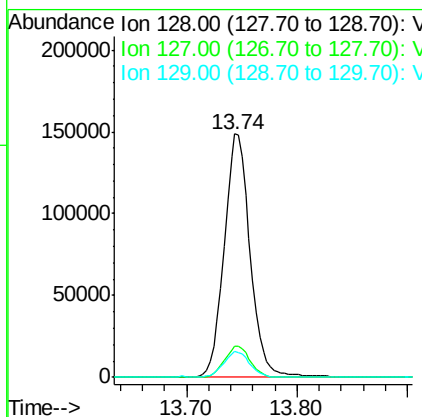
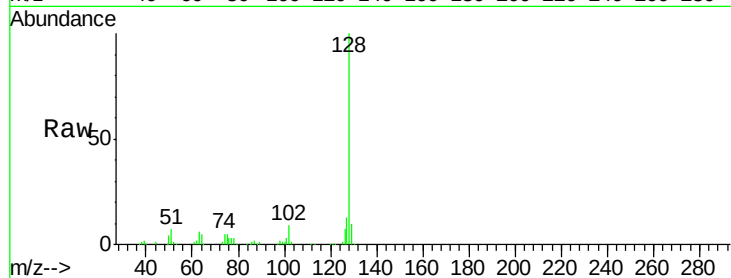
ClientSampleId :

VU0630MBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 242813 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.7  | 10.6  | 16.0   |
| 129       | 10.5  | 8.6   | 12.8   |

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#96

1,2,3-Trichlorobenzene

Concen: 24.14 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 78320 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 91.8  | 47.9  | 143.7 |
| 145       | 30.8  | 15.4  | 46.1  |

