

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU102821\  
 Data File : VU045442.D  
 Acq On : 28 Oct 2021 16:08  
 Operator : SY/MD  
 Sample : MDL01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL01

Quant Time: Oct 29 03:12:49 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM102821WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Oct 29 03:03:47 2021  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253   | 114   | 318632   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420   | 117   | 301833   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 144448   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601   | 65    | 121497   | 46.849   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 93.700%  |
| 7) Chloroethane-d5            | 1.916   | 69    | 104767   | 50.410   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 100.820% |
| 11) 1,1-Dichloroethene-d2     | 2.572   | 63    | 167879   | 36.449   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 72.900%  |
| 21) 2-Butanone-d5             | 4.626   | 46    | 212978   | 98.132   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 98.130%  |
| 24) Chloroform-d              | 5.067   | 84    | 220870   | 47.472   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 94.940%  |
| 26) 1,2-Dichloroethane-d4     | 5.707   | 65    | 151608   | 49.277   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 98.560%  |
| 32) Benzene-d6                | 5.732   | 84    | 456897   | 48.983   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 97.960%  |
| 36) 1,2-Dichloropropane-d6    | 6.694   | 67    | 148563   | 49.203   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 98.400%  |
| 41) Toluene-d8                | 7.899   | 98    | 395885   | 48.651   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 97.300%  |
| 43) trans-1,3-Dichloroprop... | 8.182   | 79    | 68964    | 48.614   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 97.220%  |
| 47) 2-Hexanone-d5             | 8.632   | 63    | 152907   | 94.873   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 94.870%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 213192   | 47.050   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 94.100%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 145081   | 49.645   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 99.280%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385   | 85    | 6942     | 2.466    | ug/L   | 98       |
| 3) Chloromethane              | 1.520   | 50    | 9568     | 2.815    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.607   | 62    | 8829     | 2.762    | ug/L   | 85       |
| 6) Bromomethane               | 1.861   | 94    | 4580     | 2.784    | ug/L   | 96       |
| 8) Chloroethane               | 1.935   | 64    | 5600     | 2.966    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.141   | 101   | 9855     | 2.606    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.584   | 101   | 7077     | 3.071    | ug/L # | 84       |
| 12) 1,1-Dichloroethene        | 2.581   | 96    | 6666     | 3.065    | ug/L # | 1        |
| 13) Acetone                   | 2.636   | 43    | 9697     | 5.448    | ug/L   | 97       |
| 14) Carbon disulfide          | 2.797   | 76    | 16051    | 2.581    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.954   | 43    | 7985     | 2.655    | ug/L   | 96       |
| 16) Methylene chloride        | 3.051   | 84    | 7326     | 2.729    | ug/L   | 92       |
| 17) trans-1,2-Dichloroethene  | 3.359   | 96    | 5946     | 2.555    | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 3.366   | 73    | 20543    | 2.518    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.874   | 63    | 11837    | 2.552    | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 4.674   | 96    | 6999     | 2.637    | ug/L   | 97       |
| 22) 2-Butanone                | 4.710   | 43    | 11200    | 4.607    | ug/L   | 99       |
| 23) Bromochloromethane        | 4.977   | 128   | 3020     | 2.363    | ug/L   | 93       |
| 25) Chloroform                | 5.096   | 83    | 13014    | 2.804    | ug/L   | 99       |

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 Sample : MDL01  
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 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL01

Quant Time: Oct 29 03:12:49 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM102821WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Oct 29 03:03:47 2021  
 Response via : Initial Calibration

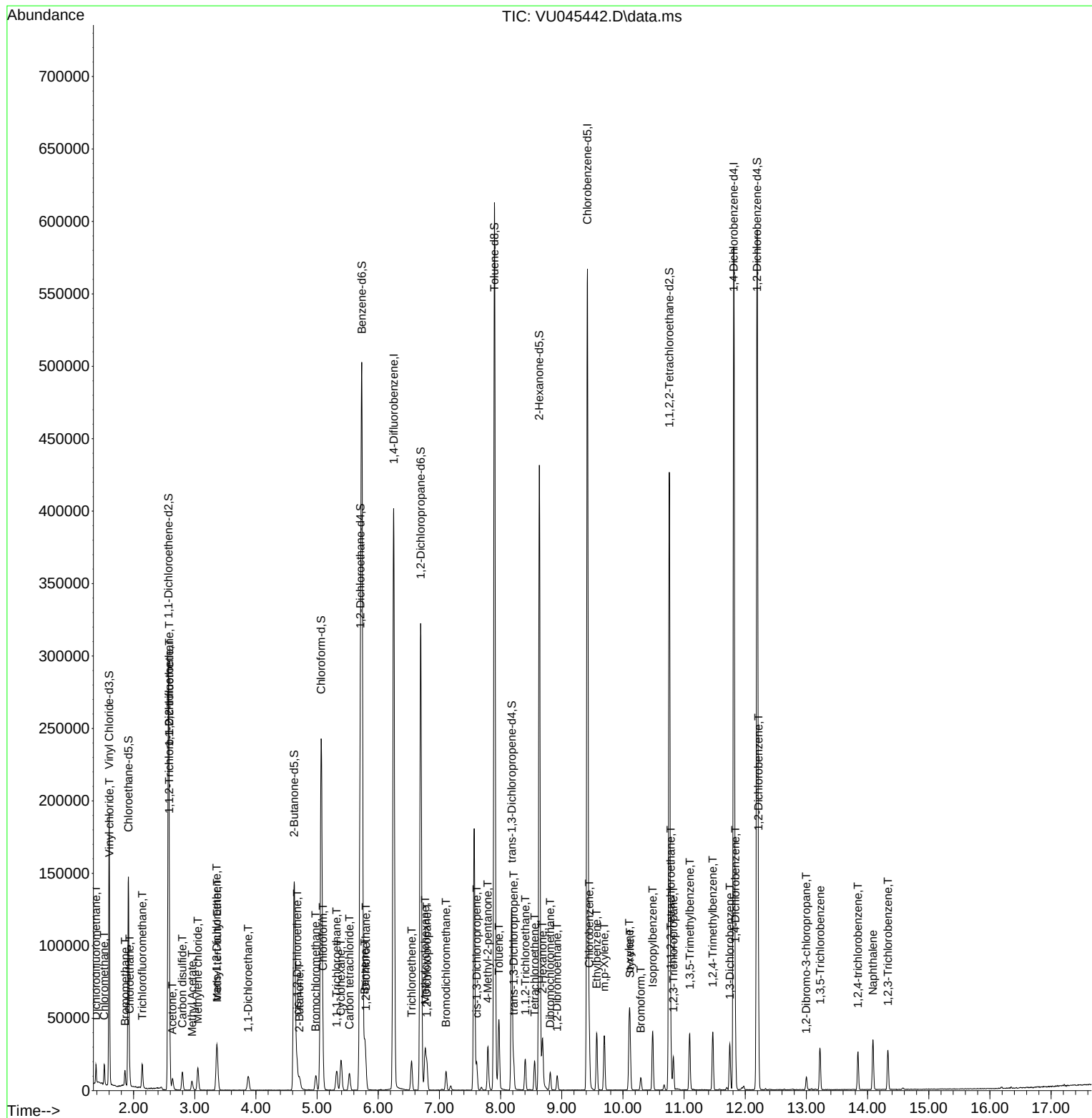
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.797  | 62   | 10045    | 2.646 | ug/L   | 100      |
| 29) Cyclohexane               | 5.391  | 56   | 10790    | 2.494 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 5.317  | 97   | 9956     | 2.598 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.530  | 117  | 7679     | 2.534 | ug/L   | 100      |
| 33) Benzene                   | 5.777  | 78   | 27125    | 2.591 | ug/L   | 100      |
| 34) Trichloroethene           | 6.546  | 95   | 6173     | 2.456 | ug/L   | 90       |
| 35) Methylcyclohexane         | 6.768  | 83   | 10793    | 2.472 | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.796  | 63   | 7087     | 2.550 | ug/L # | 97       |
| 38) Bromodichloromethane      | 7.108  | 83   | 8520     | 2.438 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 10078    | 2.370 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.790  | 43   | 19851    | 4.839 | ug/L   | 98       |
| 42) Toluene                   | 7.973  | 91   | 34251    | 3.144 | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 8.214  | 75   | 12952    | 3.230 | ug/L   | 89       |
| 45) 1,1,2-Trichloroethane     | 8.404  | 97   | 6705     | 2.598 | ug/L   | 94       |
| 46) Tetrachloroethene         | 8.555  | 164  | 4386     | 2.460 | ug/L   | 99       |
| 48) 2-Hexanone                | 8.687  | 43   | 19598    | 5.736 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.812  | 129  | 6064     | 2.438 | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 6927     | 2.557 | ug/L   | 95       |
| 51) Chlorobenzene             | 9.449  | 112  | 16674    | 2.533 | ug/L   | 98       |
| 52) Ethylbenzene              | 9.571  | 91   | 28431    | 2.460 | ug/L   | 99       |
| 53) m,p-Xylene                | 9.697  | 106  | 10959    | 2.478 | ug/L   | 94       |
| 54) o-xylene                  | 10.102 | 106  | 10277    | 2.346 | ug/L   | 88       |
| 55) Styrene                   | 10.118 | 104  | 16933    | 2.301 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 12310    | 2.685 | ug/L # | 94       |
| 59) Bromoform                 | 10.292 | 173  | 4091     | 2.456 | ug/L # | 93       |
| 60) 1,2,3-Trichloropropane    | 10.825 | 75   | 9391     | 2.640 | ug/L   | 99       |
| 61) Isopropylbenzene          | 10.488 | 105  | 26296    | 2.463 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.092 | 105  | 21253    | 2.337 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 21555    | 2.332 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.748 | 146  | 12241    | 2.592 | ug/L   | 94       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 13148    | 2.752 | ug/L   | 94       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 13027    | 2.666 | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 12.996 | 75   | 2359     | 2.271 | ug/L   | 91       |
| 69) 1,3,5-Trichlorobenzene    | 13.224 | 180  | 8777     | 2.520 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 7667     | 2.409 | ug/L   | 98       |
| 71) Naphthalene               | 14.089 | 128  | 26928    | 2.221 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.333 | 180  | 8295     | 2.547 | ug/L   | 98       |

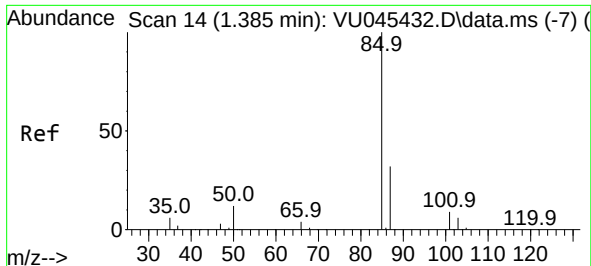
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU102821\  
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Sample : MDL01  
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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

Quant Time: Oct 29 03:12:49 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM102821WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Oct 29 03:03:47 2021  
Response via : Initial Calibration

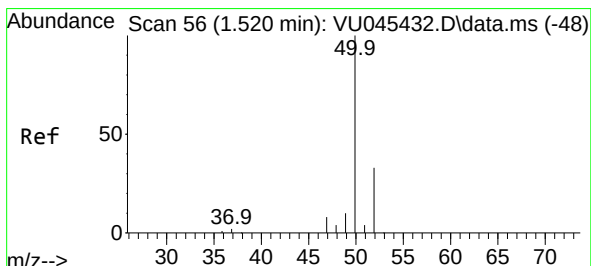
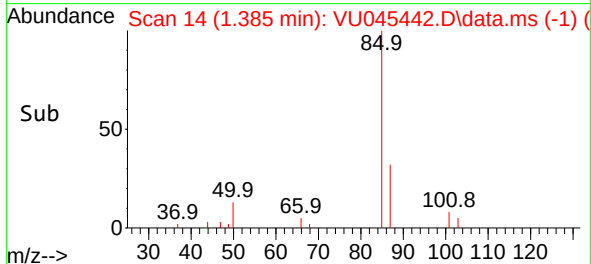
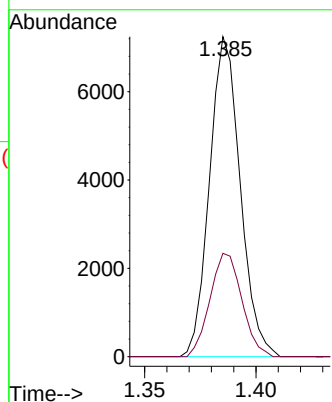
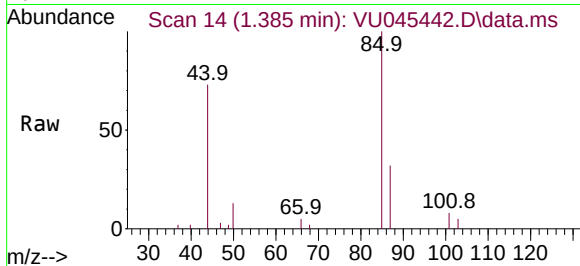




#2  
Dichlorodifluoromethane  
Concen: 2.466 ug/L  
RT: 1.385 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

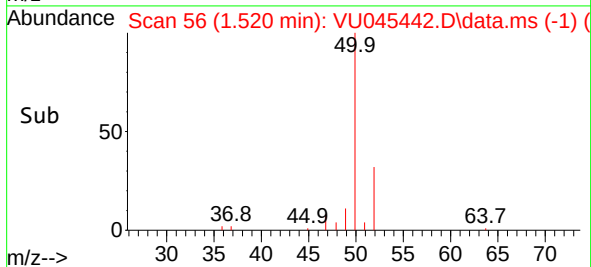
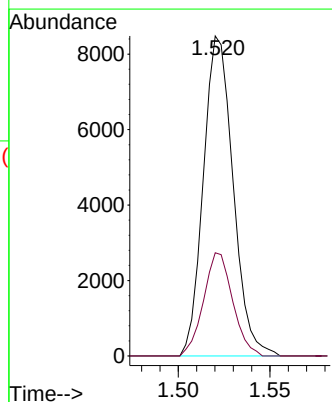
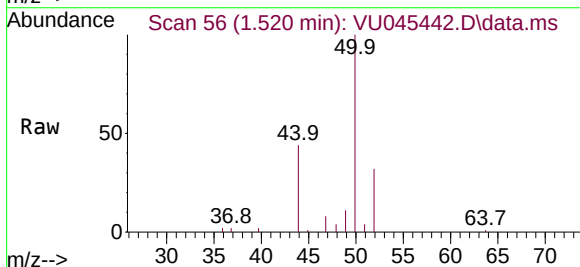
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

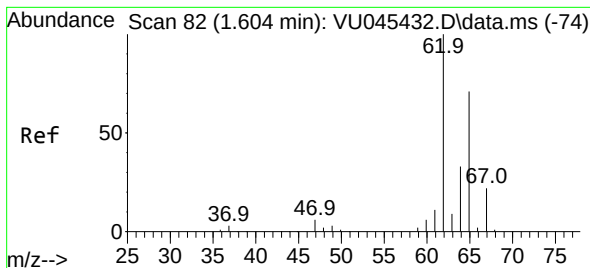
Tgt Ion: 85 Resp: 6942  
Ion Ratio Lower Upper  
85 100  
87 33.5 26.0 39.0



#3  
Chloromethane  
Concen: 2.815 ug/L  
RT: 1.520 min Scan# 56  
Delta R.T. 0.000 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

Tgt Ion: 50 Resp: 9568  
Ion Ratio Lower Upper  
50 100  
52 32.3 23.2 43.2





#5

Vinyl chloride

Concen: 2.762 ug/L

RT: 1.607 min Scan# 83

Delta R.T. 0.003 min

Lab File: VU045442.D

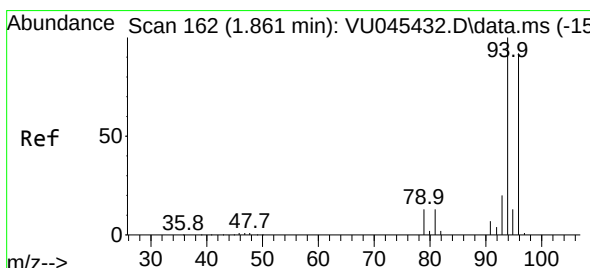
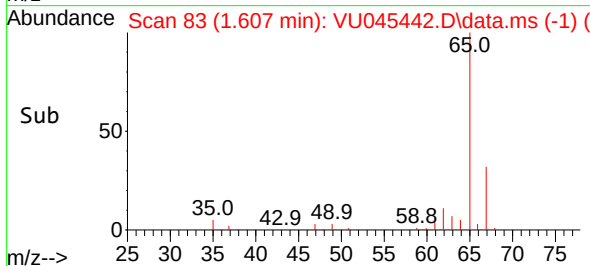
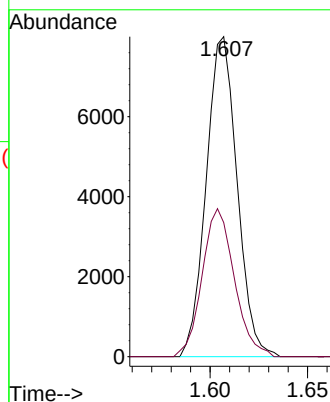
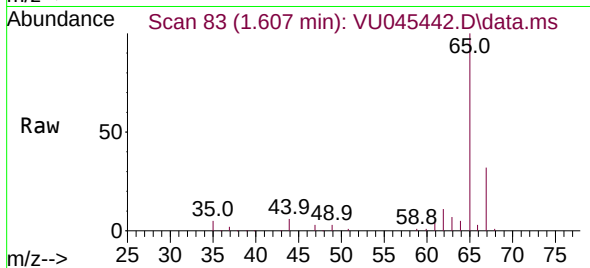
Acq: 28 Oct 2021 16:08

Tgt Ion: 62 Resp: 8829

Ion Ratio Lower Upper

62 100

64 41.9 23.3 43.3



#6

Bromomethane

Concen: 2.784 ug/L

RT: 1.861 min Scan# 162

Delta R.T. 0.000 min

Lab File: VU045442.D

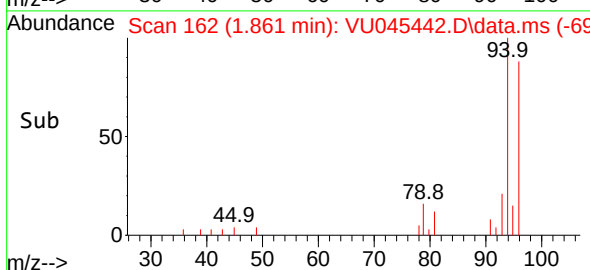
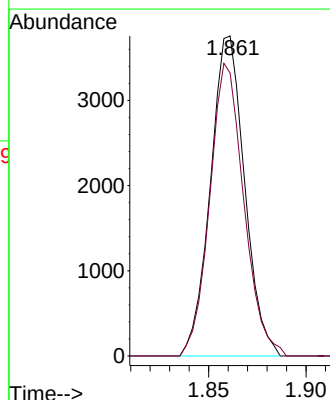
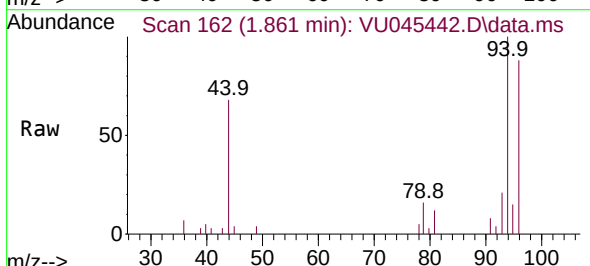
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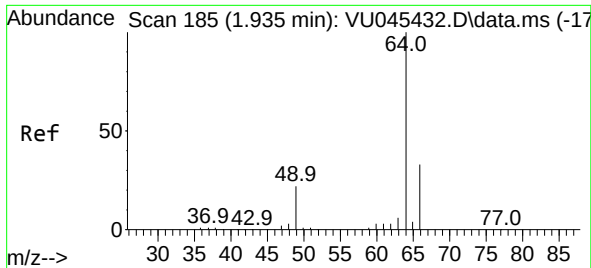
Tgt Ion: 94 Resp: 4580

Ion Ratio Lower Upper

94 100

96 88.4 64.9 120.5

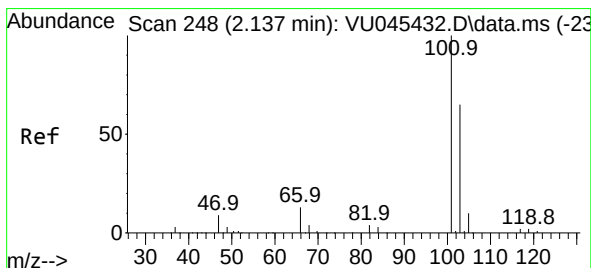
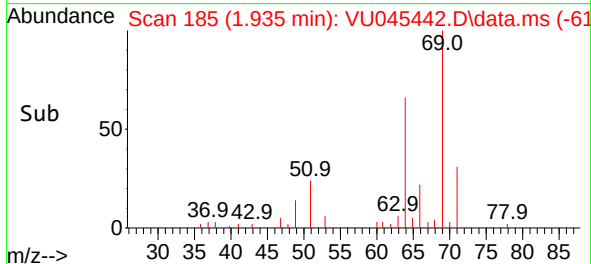
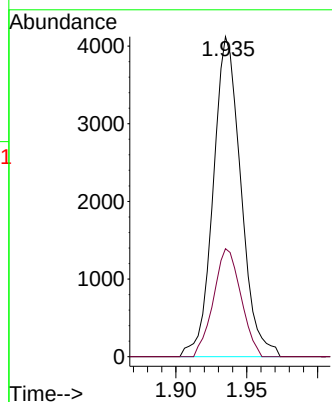
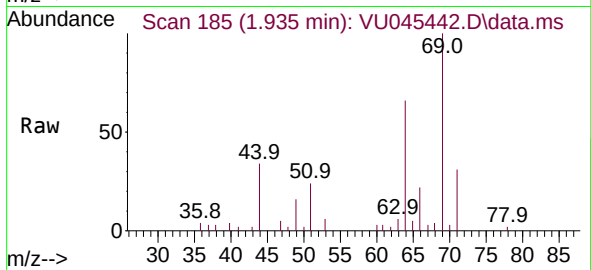




#8  
Chloroethane  
Concen: 2.966 ug/L  
RT: 1.935 min Scan# 185  
Delta R.T. 0.000 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

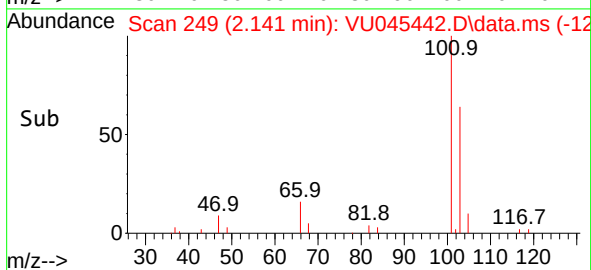
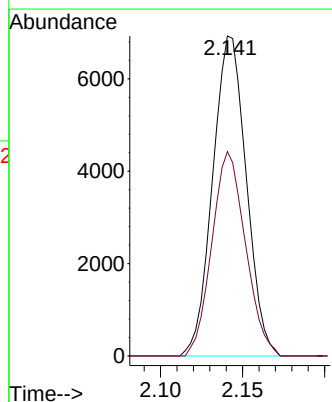
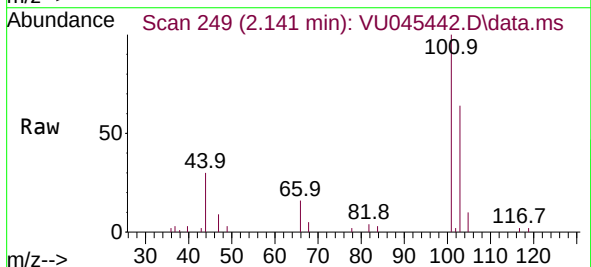
Instrument :  
MSVOA\_U  
ClientSampled :  
MDL01

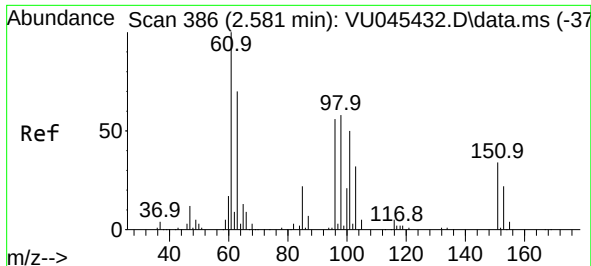
Tgt Ion: 64 Resp: 5600  
Ion Ratio Lower Upper  
64 100  
66 33.8 23.2 43.2



#9  
Trichlorofluoromethane  
Concen: 2.606 ug/L  
RT: 2.141 min Scan# 249  
Delta R.T. 0.003 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

Tgt Ion: 101 Resp: 9855  
Ion Ratio Lower Upper  
101 100  
103 63.9 51.4 77.2

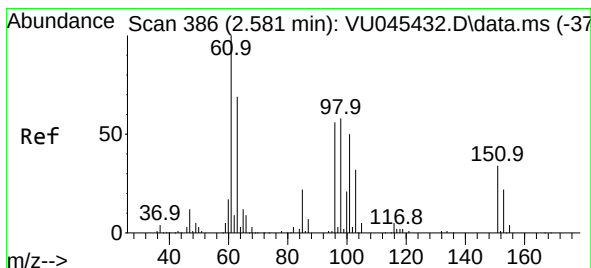
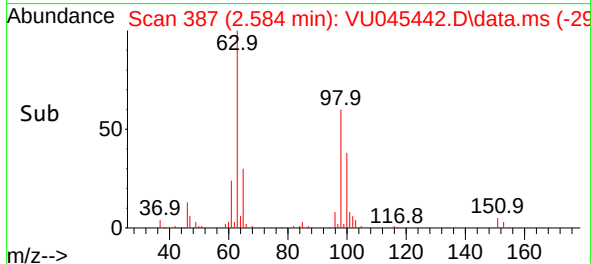
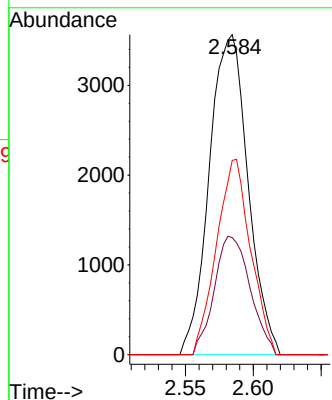
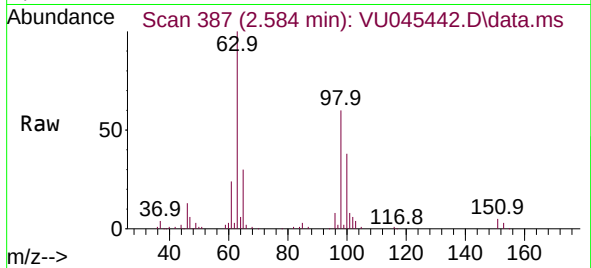




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 3.071 ug/L  
 RT: 2.584 min Scan# 387  
 Delta R.T. 0.003 min  
 Lab File: VU045442.D  
 Acq: 28 Oct 2021 16:08

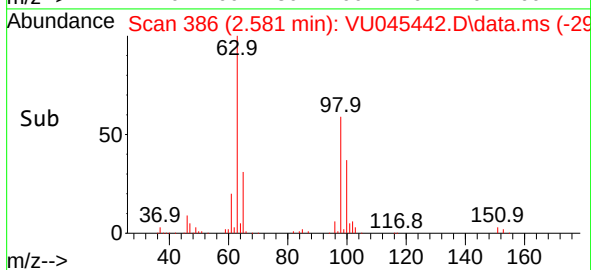
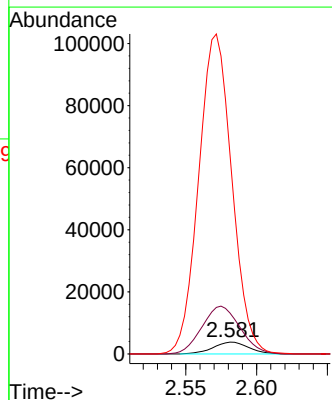
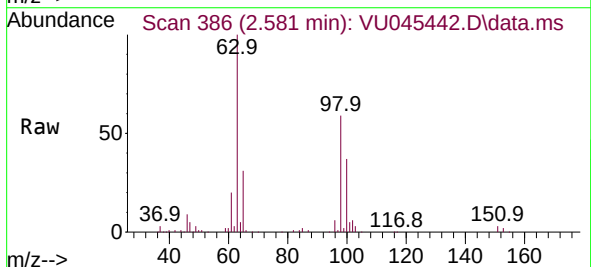
Instrument :  
 MSVOA\_U  
 ClientSampled :  
 MDL01

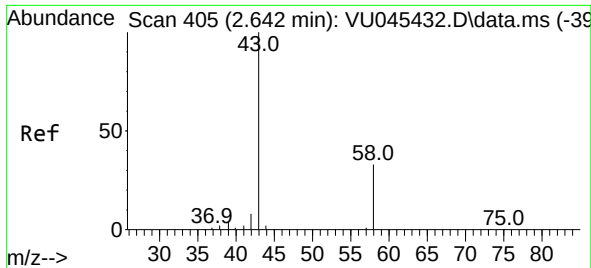
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 Ion Ratio Lower Upper  
 101 100  
 85 34.3 34.8 52.2#  
 151 53.8 54.6 81.8#



#12  
 1,1-Dichloroethene  
 Concen: 3.065 ug/L  
 RT: 2.581 min Scan# 386  
 Delta R.T. 0.000 min  
 Lab File: VU045442.D  
 Acq: 28 Oct 2021 16:08

Tgt Ion: 96 Resp: 6666  
 Ion Ratio Lower Upper  
 96 100  
 61 346.3 126.3 234.5#  
 63 1691.9 89.2 165.8#

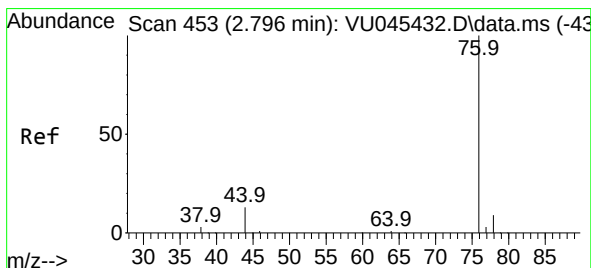
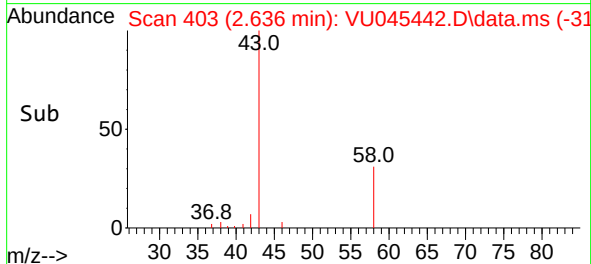
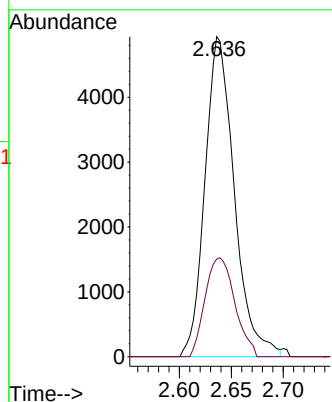
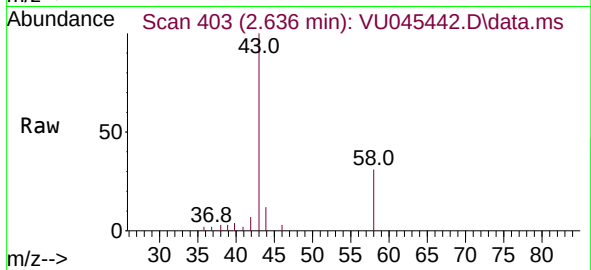




#13  
Acetone  
Concen: 5.448 ug/L  
RT: 2.636 min Scan# 403  
Delta R.T. -0.006 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

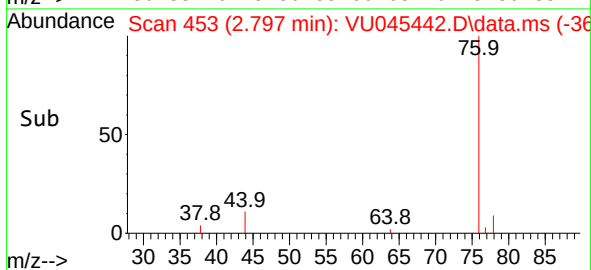
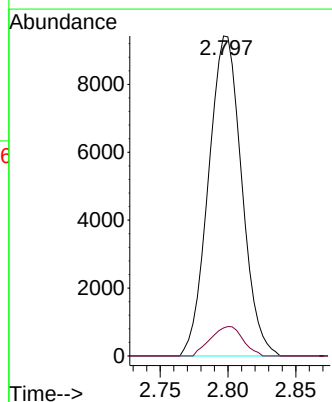
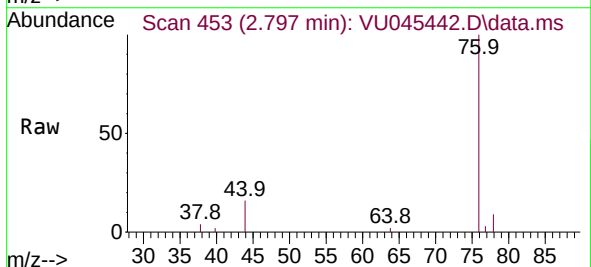
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

Tgt Ion: 43 Resp: 9697  
Ion Ratio Lower Upper  
43 100  
58 31.2 0.0 66.2

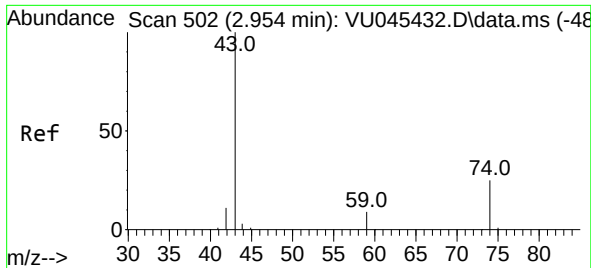


#14  
Carbon disulfide  
Concen: 2.581 ug/L  
RT: 2.797 min Scan# 453  
Delta R.T. 0.000 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

Tgt Ion: 76 Resp: 16051  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.3 10.9



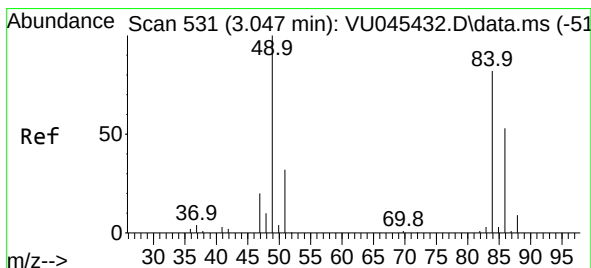
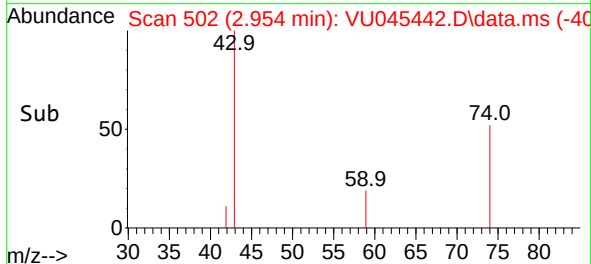
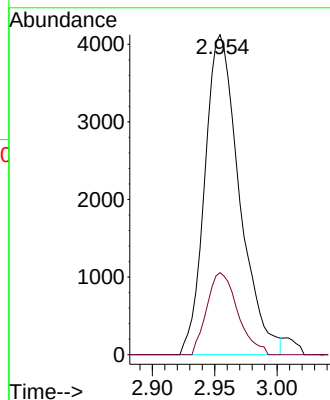
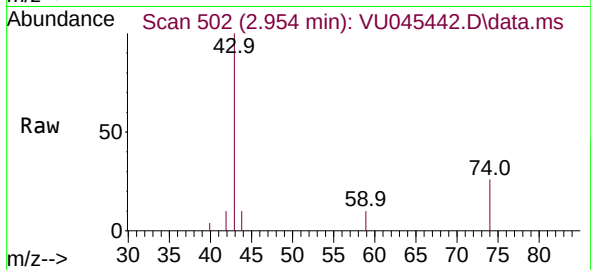




#15  
Methyl Acetate  
Concen: 2.655 ug/L  
RT: 2.954 min Scan# 502  
Delta R.T. 0.000 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

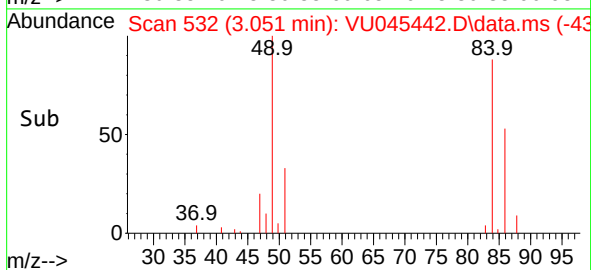
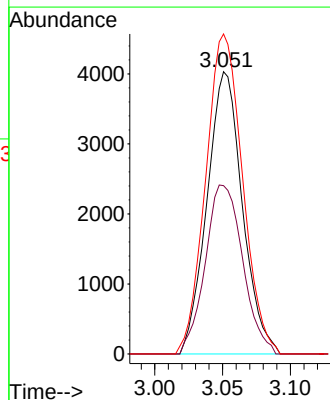
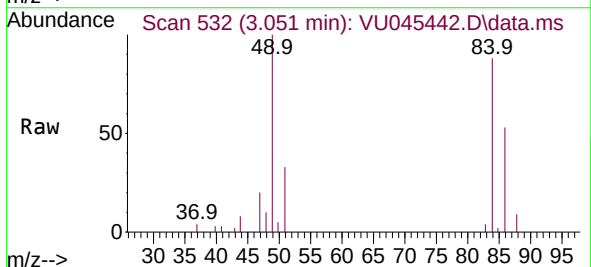
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

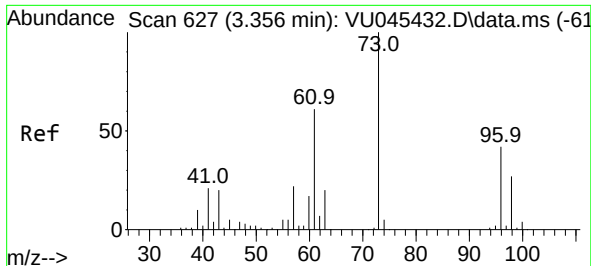
Tgt Ion: 43 Resp: 7985  
Ion Ratio Lower Upper  
43 100  
74 22.8 20.0 30.0



#16  
Methylene chloride  
Concen: 2.729 ug/L  
RT: 3.051 min Scan# 532  
Delta R.T. 0.003 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

Tgt Ion: 84 Resp: 7326  
Ion Ratio Lower Upper  
84 100  
86 59.6 45.8 85.2  
49 113.4 85.9 159.5



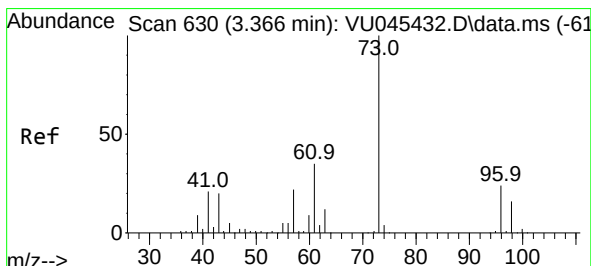
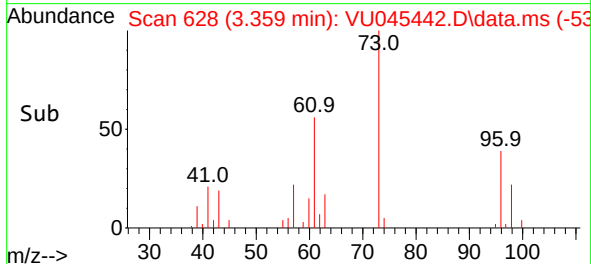
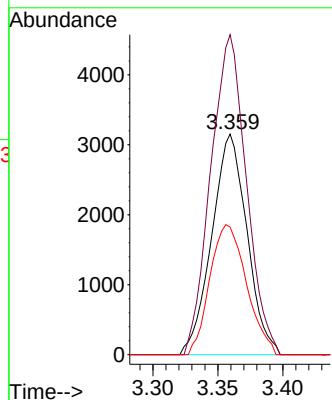
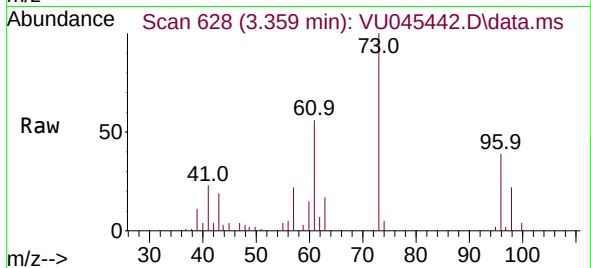


#17

trans-1,2-Dichloroethene  
Concen: 2.555 ug/L  
RT: 3.359 min Scan# 628  
Delta R.T. 0.003 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

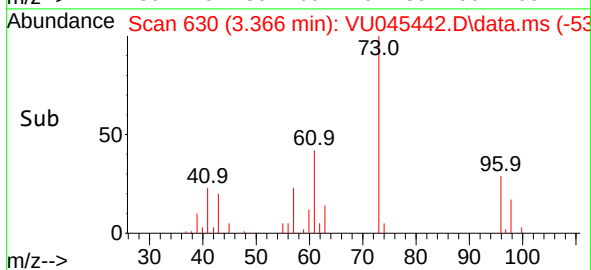
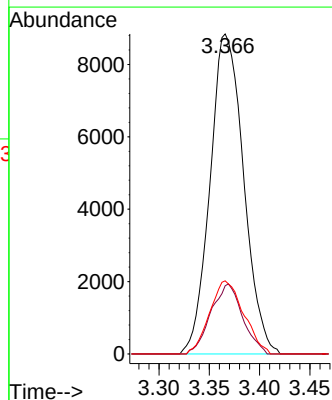
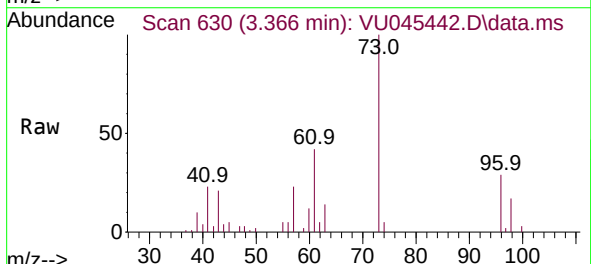
Tgt Ion: 96 Resp: 5946  
Ion Ratio Lower Upper  
96 100  
61 145.0 101.8 189.2  
98 57.8 45.1 83.7

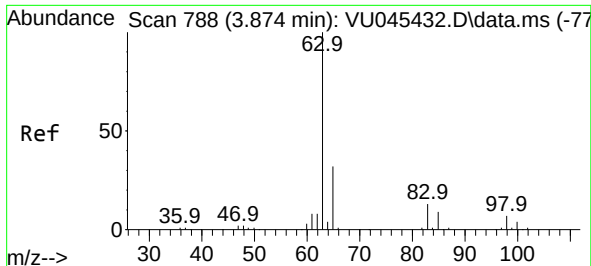


#18

Methyl tert-butyl Ether  
Concen: 2.518 ug/L  
RT: 3.366 min Scan# 630  
Delta R.T. 0.000 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

Tgt Ion: 73 Resp: 20543  
Ion Ratio Lower Upper  
73 100  
43 20.6 16.2 24.4  
57 23.0 18.1 27.1





#19

1,1-Dichloroethane

Concen: 2.552 ug/L

RT: 3.874 min Scan# 788

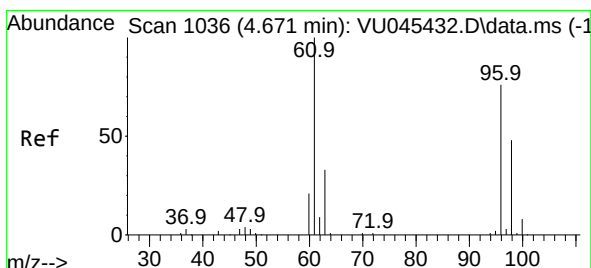
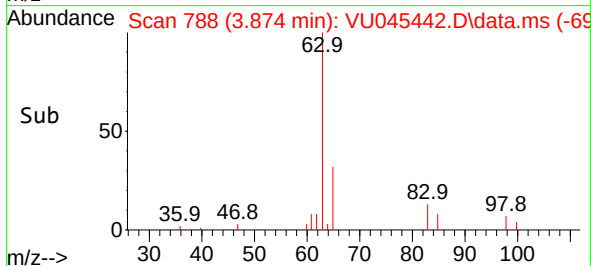
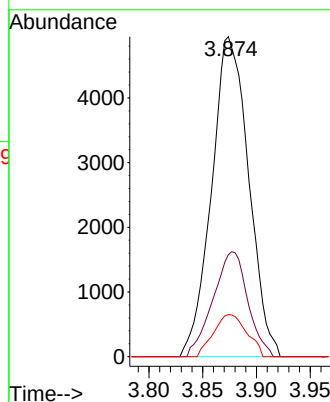
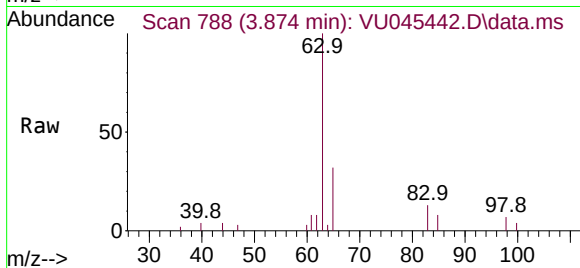
Delta R.T. 0.000 min

Lab File: VU045442.D

Acq: 28 Oct 2021 16:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 11837 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 31.9  | 22.4  | 41.6  |
| 83       | 13.2  | 9.0   | 16.6  |

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01



#20

cis-1,2-Dichloroethene

Concen: 2.637 ug/L

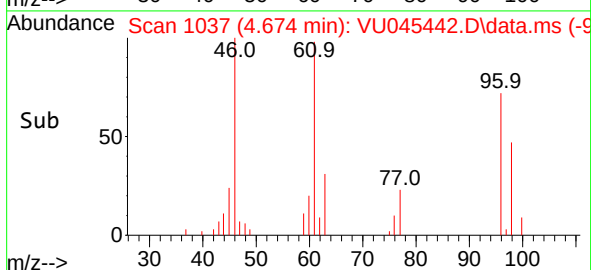
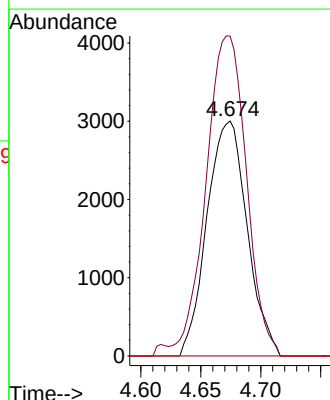
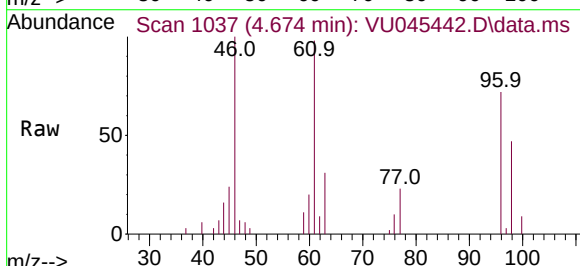
RT: 4.674 min Scan# 1037

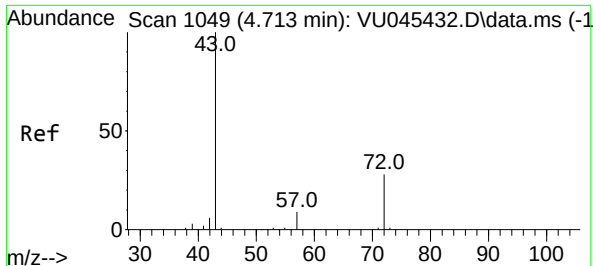
Delta R.T. 0.003 min

Lab File: VU045442.D

Acq: 28 Oct 2021 16:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 6999  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 136.2 | 92.8  | 172.4 |
| 68       | 0.0   | 0.0   | 0.0   |

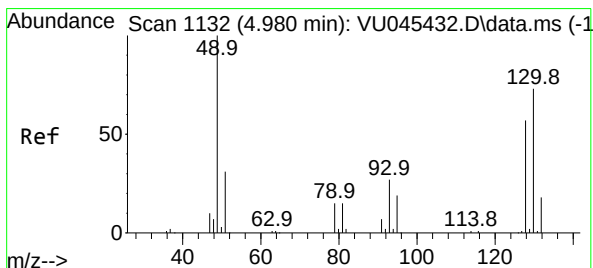
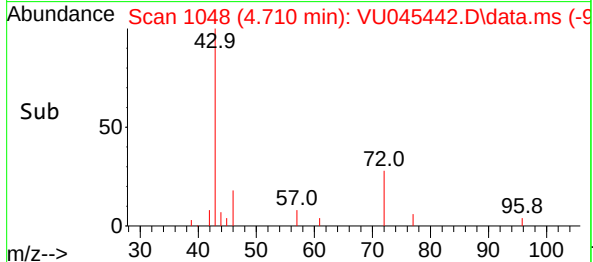
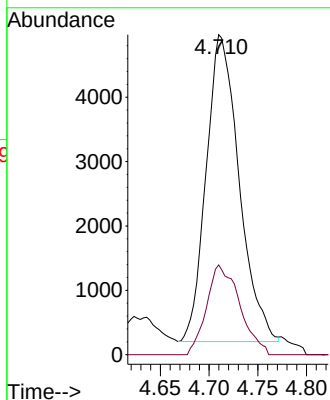
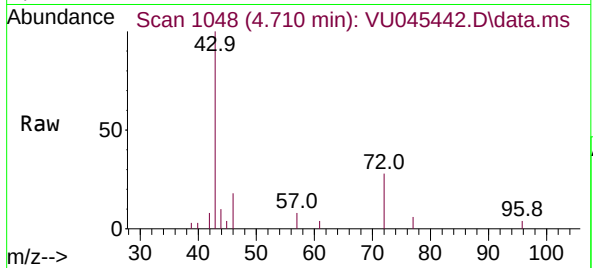




#22  
2-Butanone  
Concen: 4.607 ug/L  
RT: 4.710 min Scan# 1048  
Delta R.T. -0.003 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

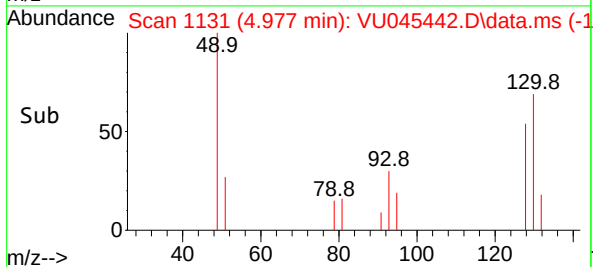
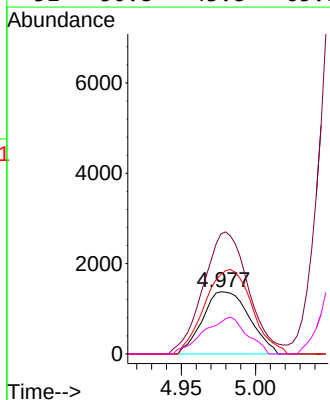
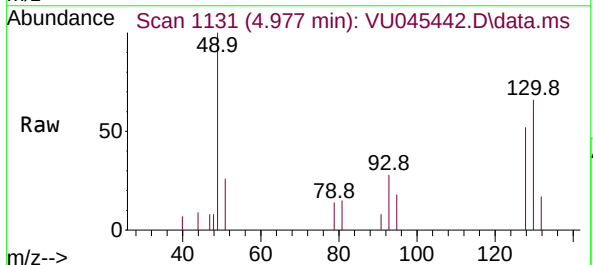
Instrument :  
MSVOA\_U  
ClientSampled :  
MDL01

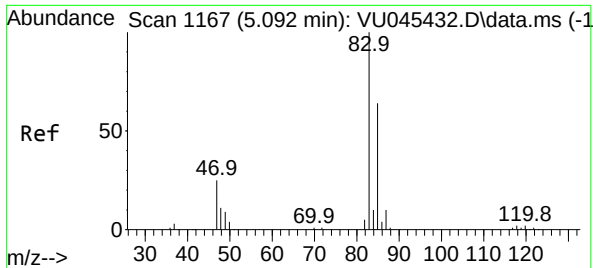
Tgt Ion: 43 Resp: 11200  
Ion Ratio Lower Upper  
43 100  
72 29.4 14.4 43.2



#23  
Bromochloromethane  
Concen: 2.363 ug/L  
RT: 4.977 min Scan# 1131  
Delta R.T. -0.003 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

Tgt Ion: 128 Resp: 3020  
Ion Ratio Lower Upper  
128 100  
49 192.9 123.1 228.5  
130 127.7 89.8 166.8  
51 50.8 43.8 65.8





#25

Chloroform

Concen: 2.804 ug/L

RT: 5.096 min Scan# 1168

Delta R.T. 0.003 min

Lab File: VU045442.D

Acq: 28 Oct 2021 16:08

Instrument :

MSVOA\_U

ClientSampleId :

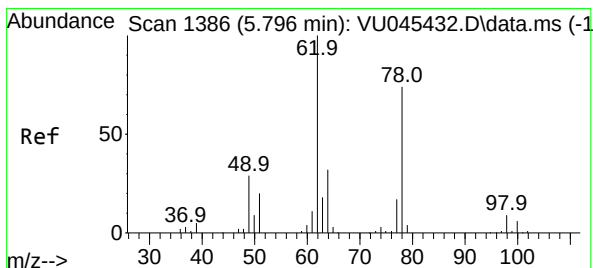
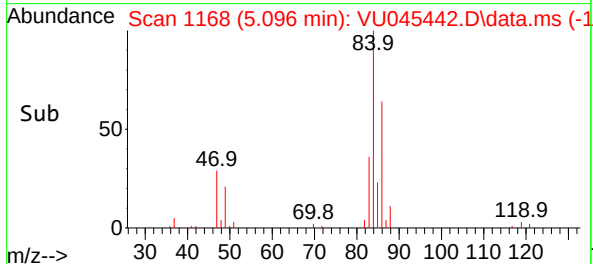
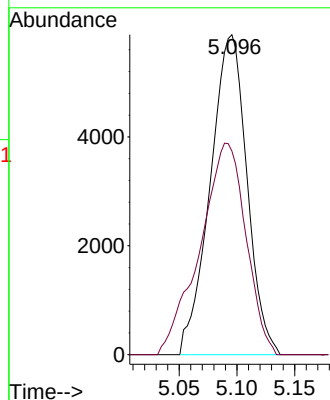
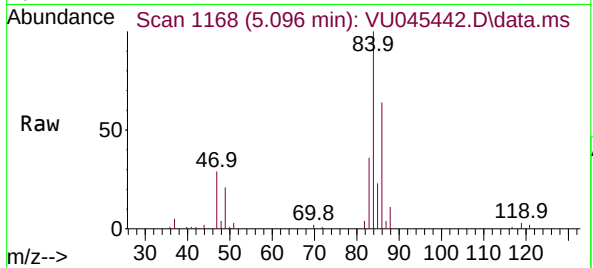
MDL01

Tgt Ion: 83 Resp: 13014

Ion Ratio Lower Upper

83 100

85 63.7 45.0 83.6



#27

1,2-Dichloroethane

Concen: 2.646 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VU045442.D

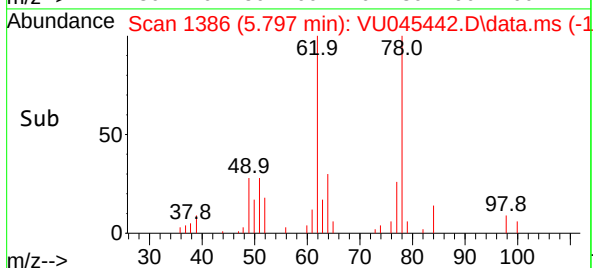
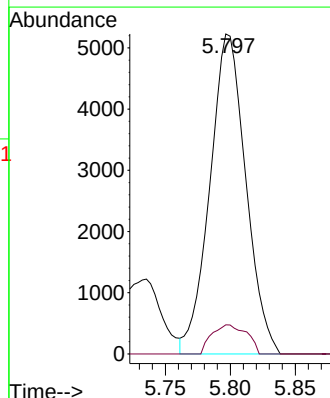
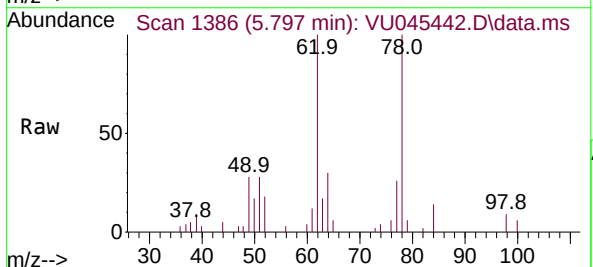
Acq: 28 Oct 2021 16:08

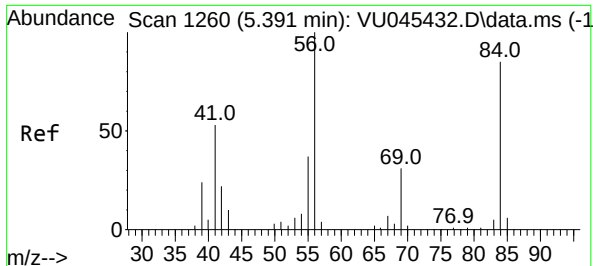
Tgt Ion: 62 Resp: 10045

Ion Ratio Lower Upper

62 100

98 9.1 7.4 11.0





#29

Cyclohexane

Concen: 2.494 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. 0.000 min

Lab File: VU045442.D

Acq: 28 Oct 2021 16:08

Tgt Ion: 56 Resp: 10790

Ion Ratio Lower Upper

56 100

69 29.7 25.0 37.4

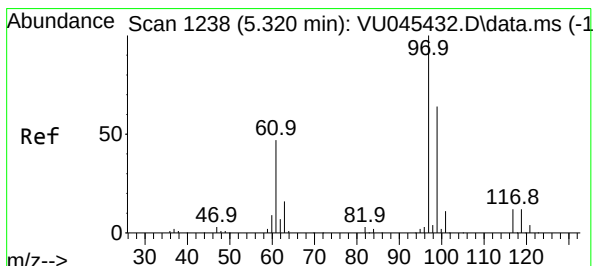
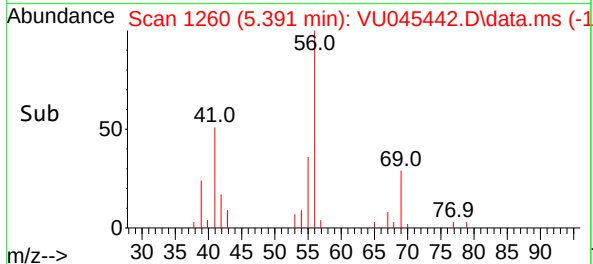
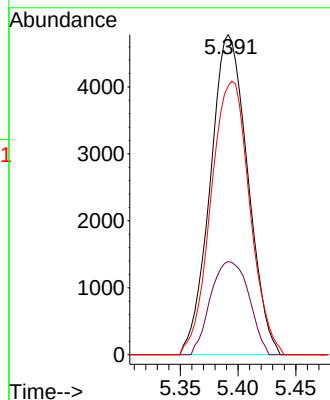
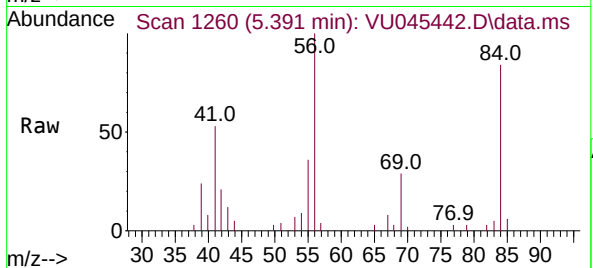
84 88.4 69.9 104.9

Instrument :

MSVOA\_U

ClientSampleId :

MDL01



#30

1,1,1-Trichloroethane

Concen: 2.598 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.003 min

Lab File: VU045442.D

Acq: 28 Oct 2021 16:08

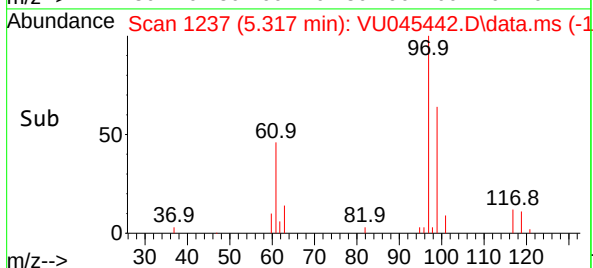
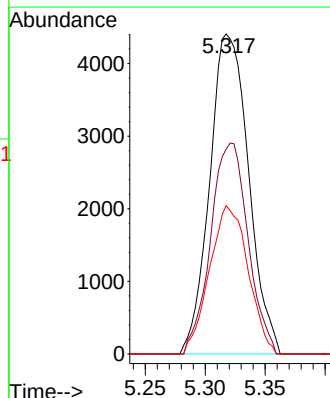
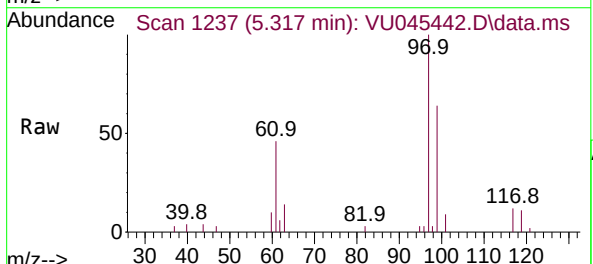
Tgt Ion: 97 Resp: 9956

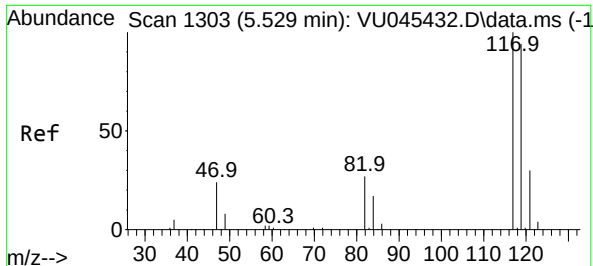
Ion Ratio Lower Upper

97 100

99 63.3 51.3 76.9

61 45.9 38.8 58.2

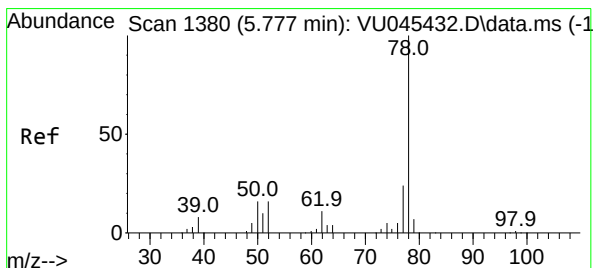
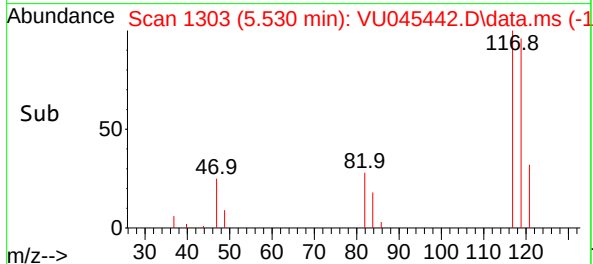
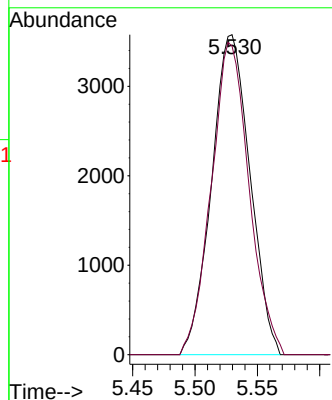
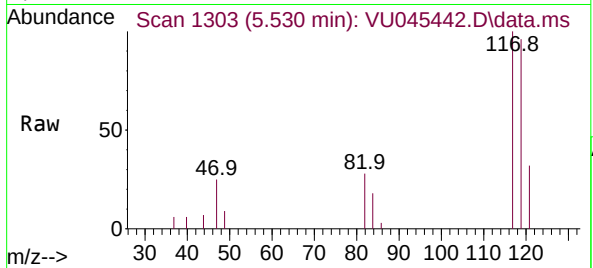




#31  
Carbon tetrachloride  
Concen: 2.534 ug/L  
RT: 5.530 min Scan# 1303  
Delta R.T. 0.000 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

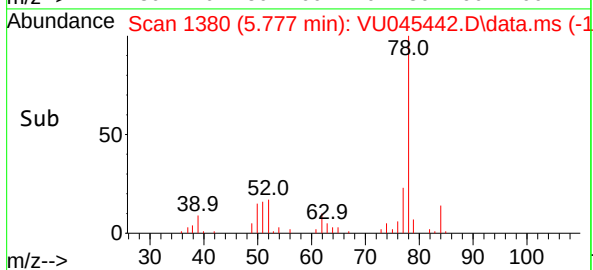
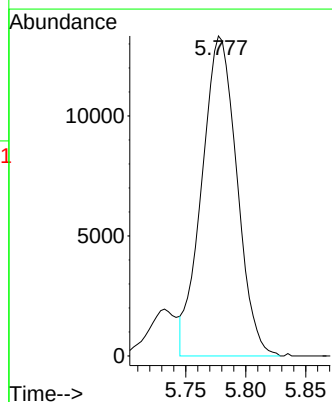
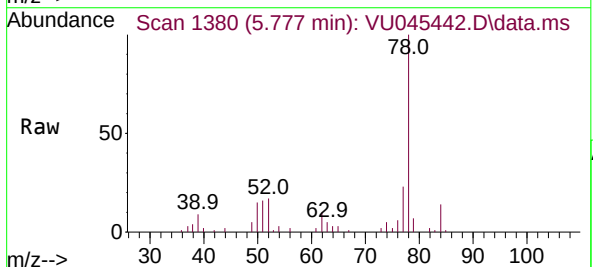
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

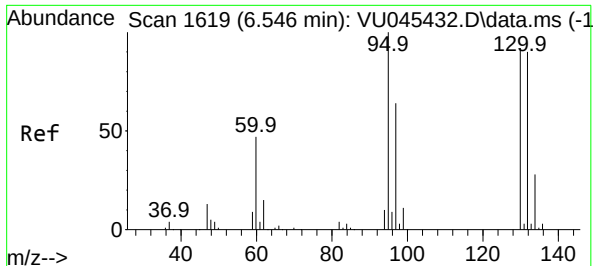
Tgt Ion:117 Resp: 7679  
Ion Ratio Lower Upper  
117 100  
119 95.9 77.0 115.4



#33  
Benzene  
Concen: 2.591 ug/L  
RT: 5.777 min Scan# 1380  
Delta R.T. 0.000 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

Tgt Ion: 78 Resp: 27125





#34

Trichloroethene

Concen: 2.456 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VU045442.D

Acq: 28 Oct 2021 16:08

Tgt Ion: 95 Resp: 6173

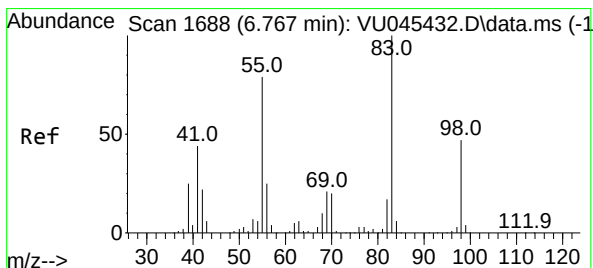
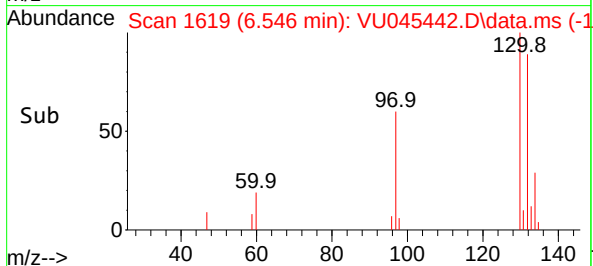
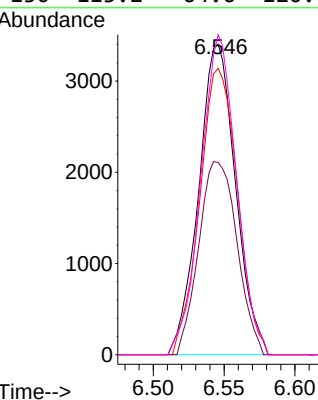
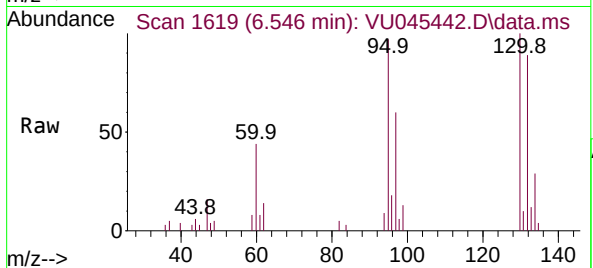
Ion Ratio Lower Upper

95 100

97 61.9 45.0 83.6

132 92.2 63.3 117.7

130 113.2 64.6 120.0



#35

Methylcyclohexane

Concen: 2.472 ug/L

RT: 6.768 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VU045442.D

Acq: 28 Oct 2021 16:08

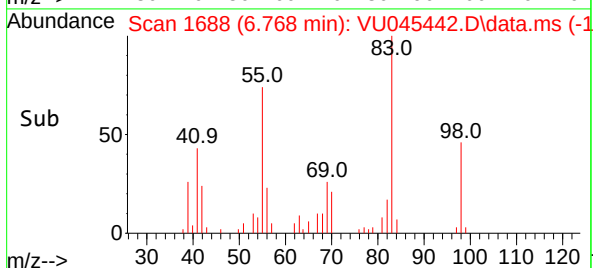
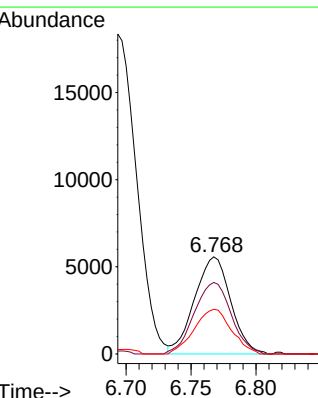
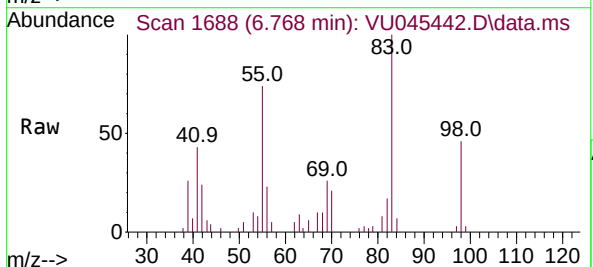
Tgt Ion: 83 Resp: 10793

Ion Ratio Lower Upper

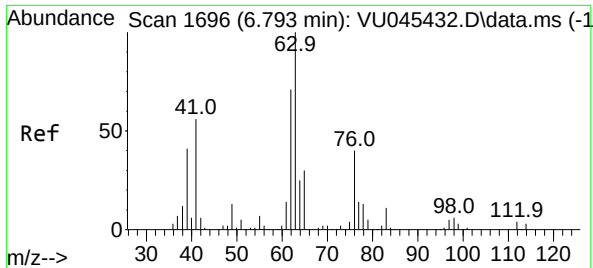
83 100

55 75.2 62.8 94.2

98 47.2 37.4 56.2



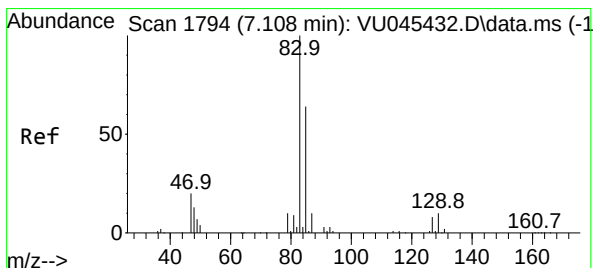
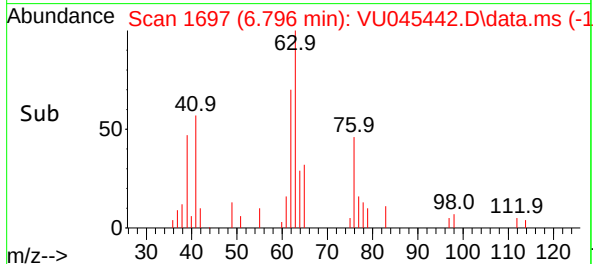
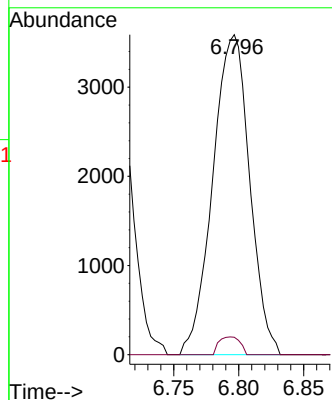
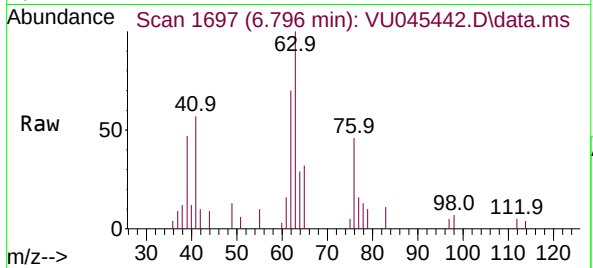




#37  
1,2-Dichloropropane  
Concen: 2.550 ug/L  
RT: 6.796 min Scan# 1697  
Delta R.T. 0.003 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

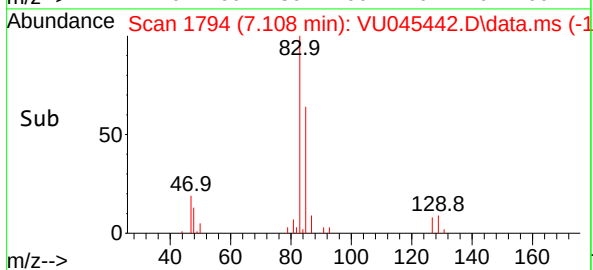
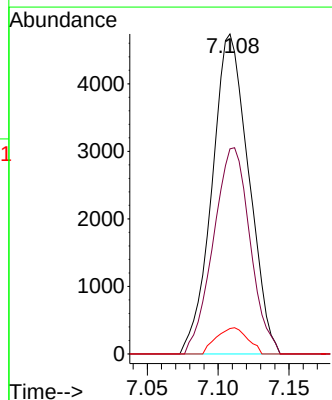
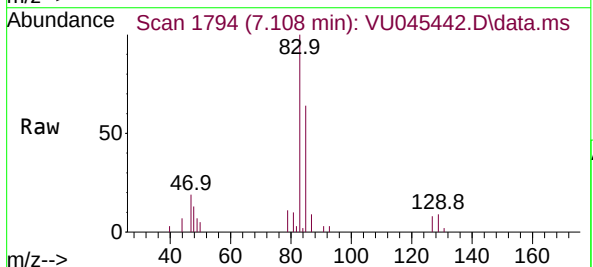
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

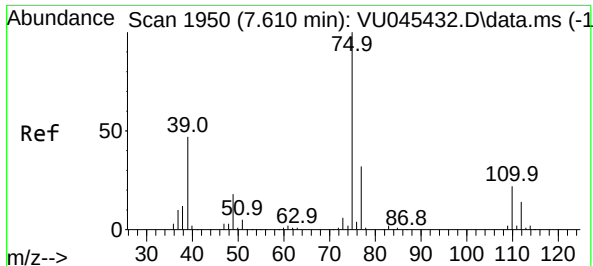
Tgt Ion: 63 Resp: 7087  
Ion Ratio Lower Upper  
63 100  
112 3.2 3.4 5.2#



#38  
Bromodichloromethane  
Concen: 2.438 ug/L  
RT: 7.108 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

Tgt Ion: 83 Resp: 8520  
Ion Ratio Lower Upper  
83 100  
85 64.1 45.1 83.9  
127 8.0 6.2 9.2



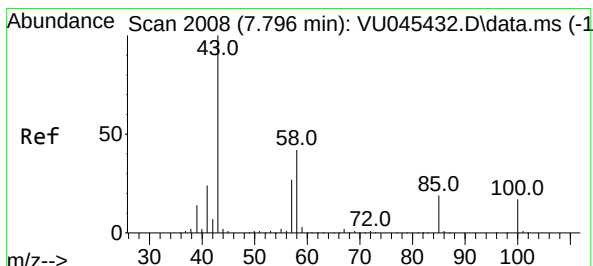
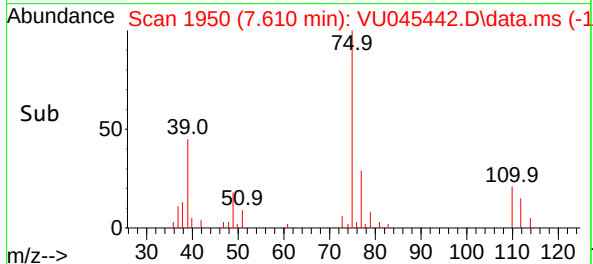
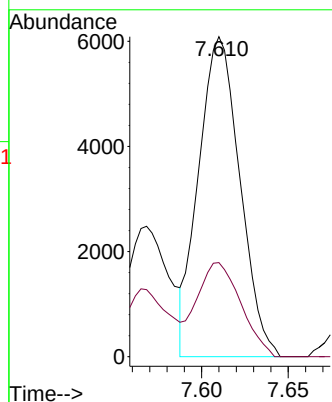
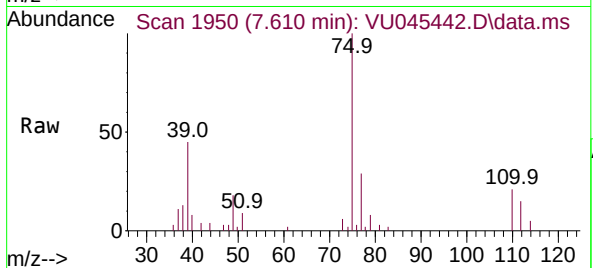


#39

cis-1,3-Dichloropropene  
Concen: 2.370 ug/L  
RT: 7.610 min Scan# 1950  
Delta R.T. 0.000 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

Instrument :  
MSVOA\_U  
ClientSampled :  
MDL01

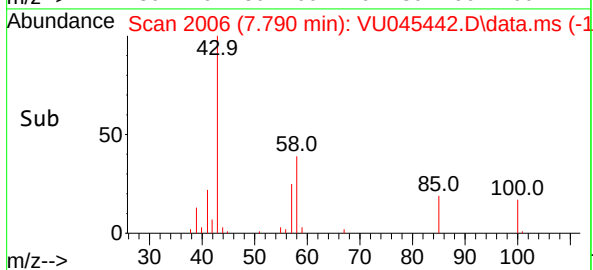
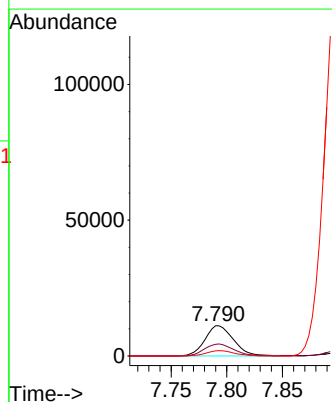
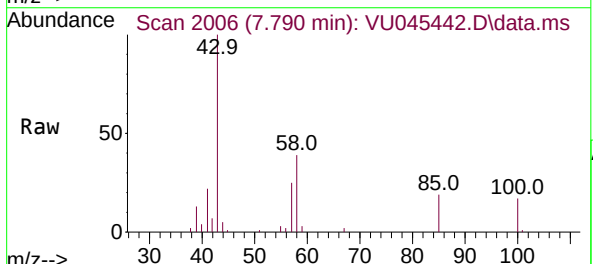
Tgt Ion: 75 Resp: 10078  
Ion Ratio Lower Upper  
75 100  
77 31.0 22.7 42.1

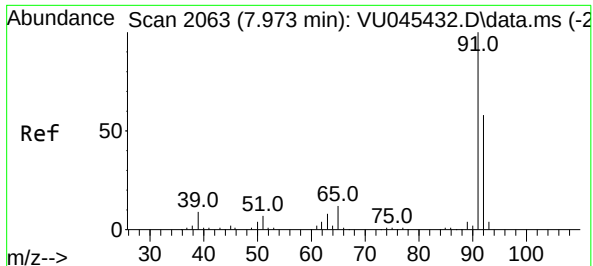


#40

4-Methyl-2-pentanone  
Concen: 4.839 ug/L  
RT: 7.790 min Scan# 2006  
Delta R.T. -0.006 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

Tgt Ion: 43 Resp: 19851  
Ion Ratio Lower Upper  
43 100  
58 40.8 33.9 50.9  
100 17.1 13.3 19.9

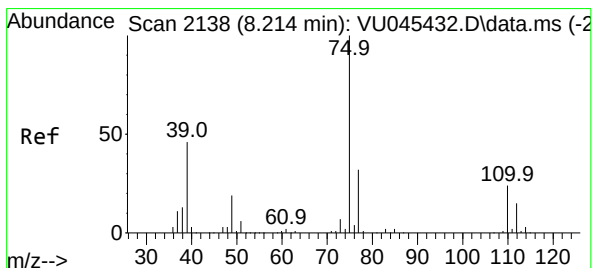
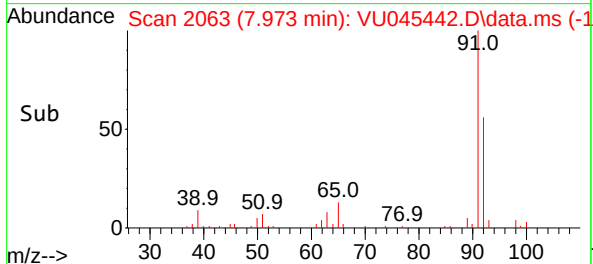
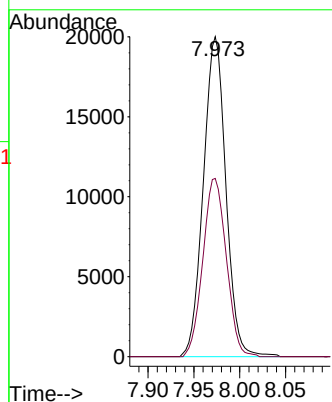
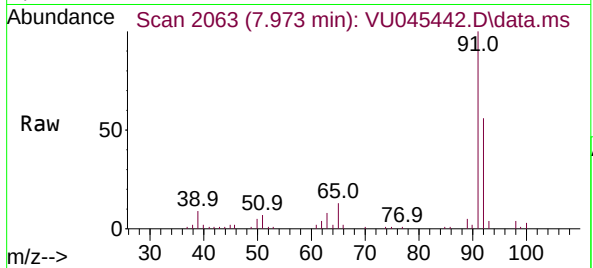




#42  
Toluene  
Concen: 3.144 ug/L  
RT: 7.973 min Scan# 2063  
Delta R.T. 0.000 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

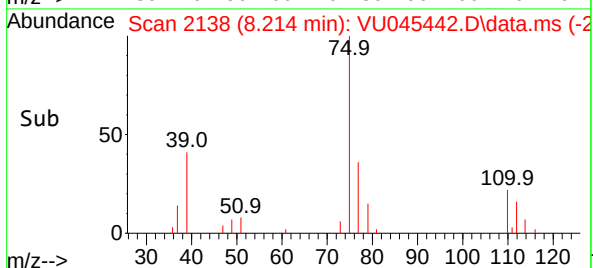
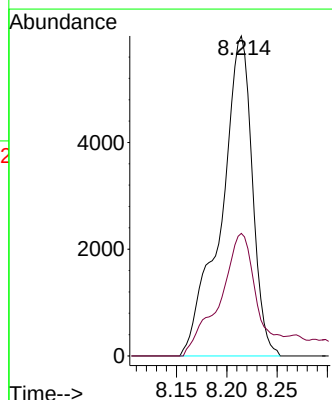
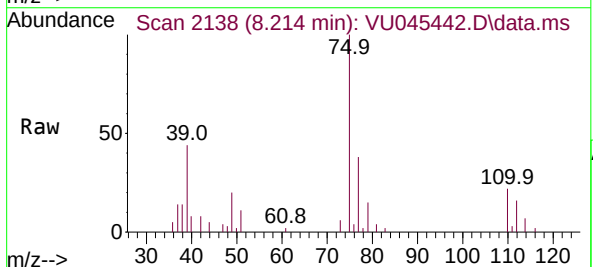
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

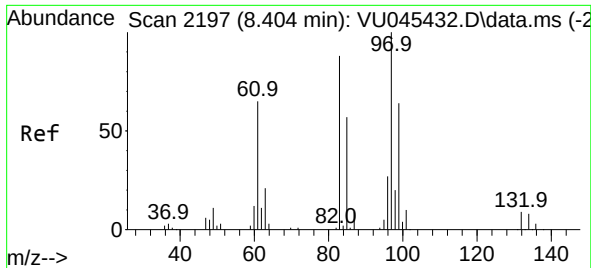
Tgt Ion: 91 Resp: 34251  
Ion Ratio Lower Upper  
91 100  
92 55.7 40.7 75.7



#44  
trans-1,3-Dichloropropene  
Concen: 3.230 ug/L  
RT: 8.214 min Scan# 2138  
Delta R.T. 0.000 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

Tgt Ion: 75 Resp: 12952  
Ion Ratio Lower Upper  
75 100  
77 38.3 22.7 42.1

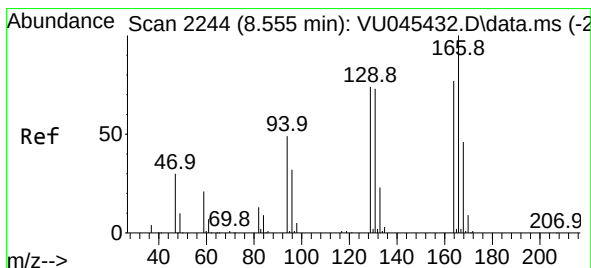
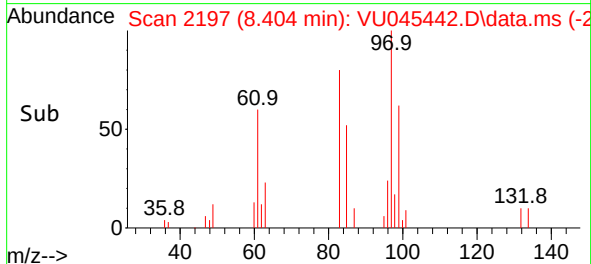
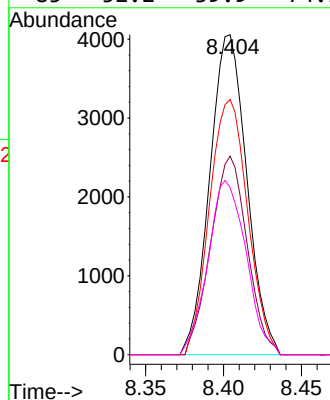
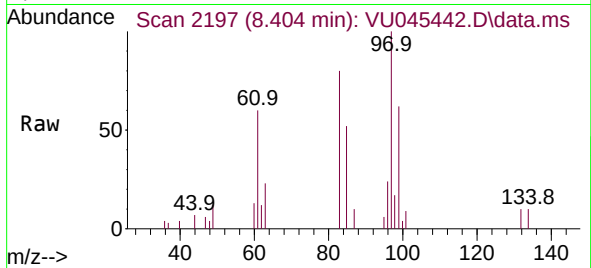




#45  
1,1,2-Trichloroethane  
Concen: 2.598 ug/L  
RT: 8.404 min Scan# 2197  
Delta R.T. 0.000 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

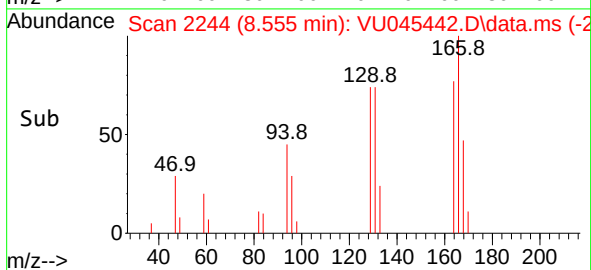
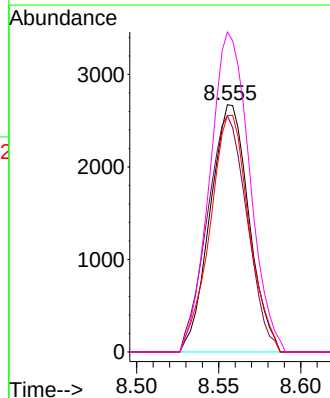
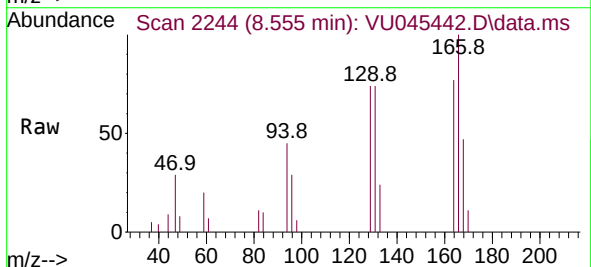
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

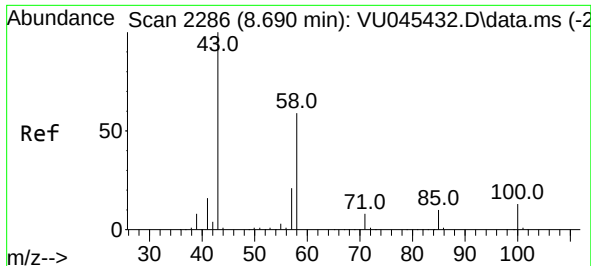
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 6705  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 62.0  | 44.7  | 82.9  |
| 83       | 79.7  | 61.5  | 114.1 |
| 85       | 52.2  | 39.9  | 74.1  |



#46  
Tetrachloroethene  
Concen: 2.460 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. 0.000 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 4386  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 95.5  | 66.8  | 124.2 |
| 131      | 95.6  | 65.6  | 121.8 |
| 166      | 129.5 | 90.4  | 168.0 |

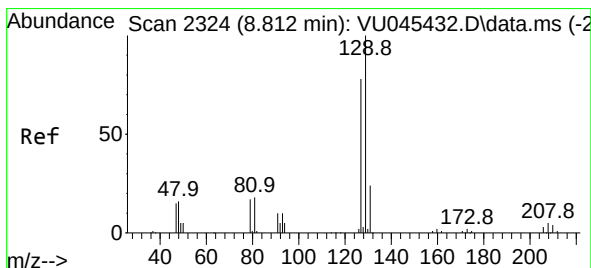
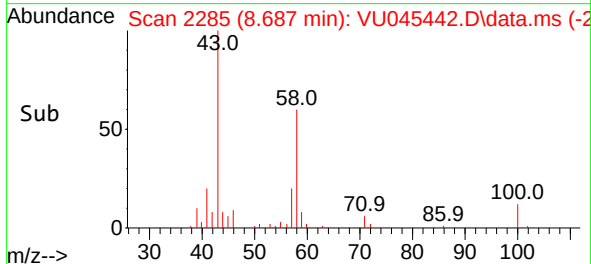
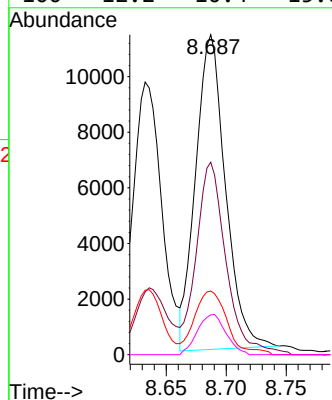
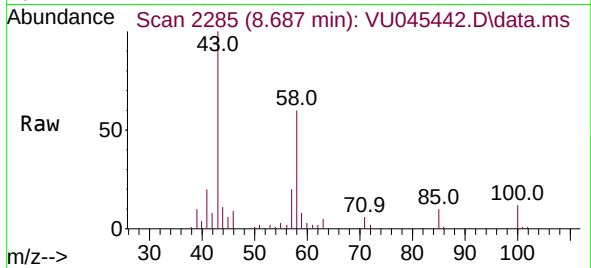




#48  
2-Hexanone  
Concen: 5.736 ug/L  
RT: 8.687 min Scan# 2285  
Delta R.T. -0.003 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

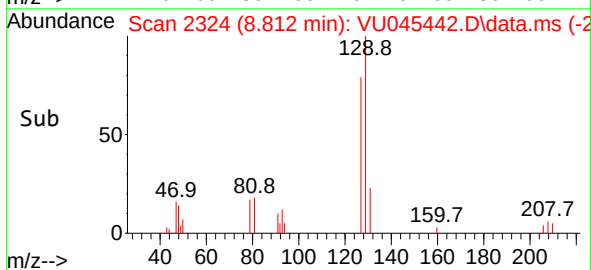
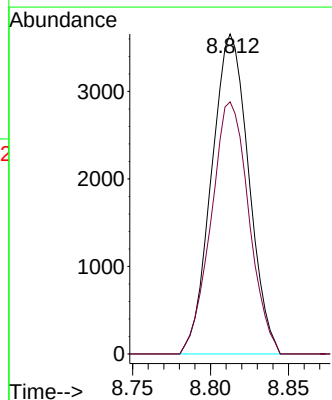
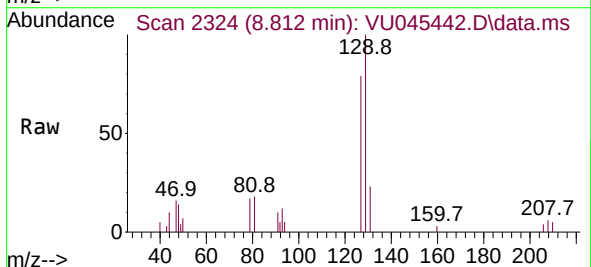
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

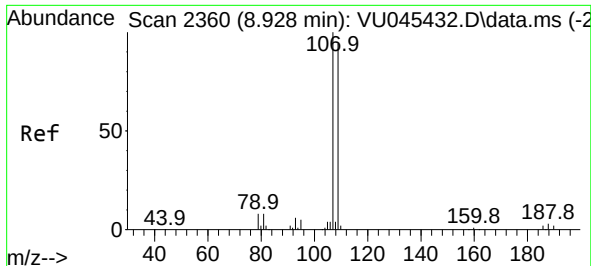
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 19598 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 60.8  | 47.0  | 70.4  |
| 57       | 22.2  | 16.3  | 24.5  |
| 100      | 12.2  | 10.4  | 15.6  |



#49  
Dibromochloromethane  
Concen: 2.438 ug/L  
RT: 8.812 min Scan# 2324  
Delta R.T. 0.000 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 6064  |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 78.8  | 54.9  | 101.9 |

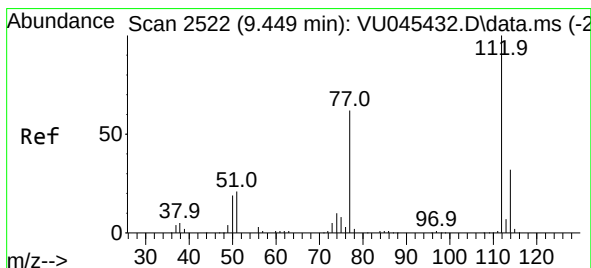
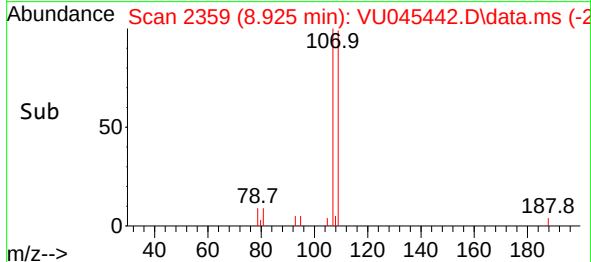
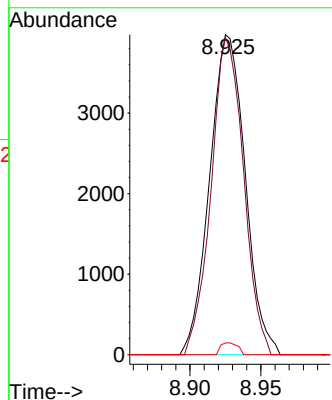
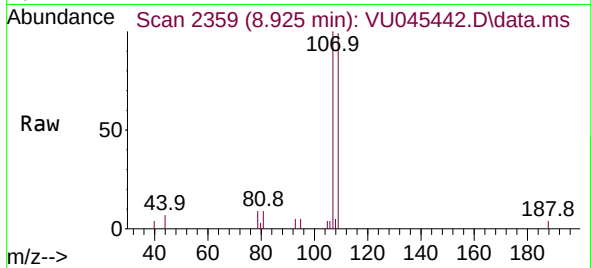




#50  
1,2-Dibromoethane  
Concen: 2.557 ug/L  
RT: 8.925 min Scan# 2359  
Delta R.T. -0.003 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

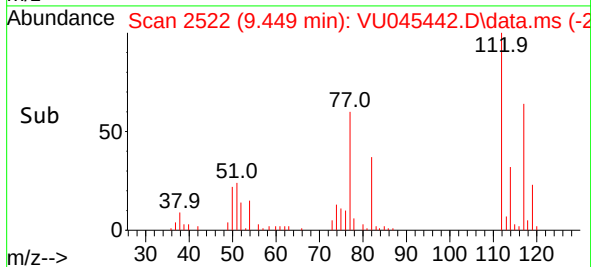
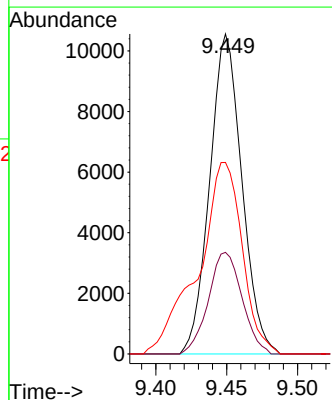
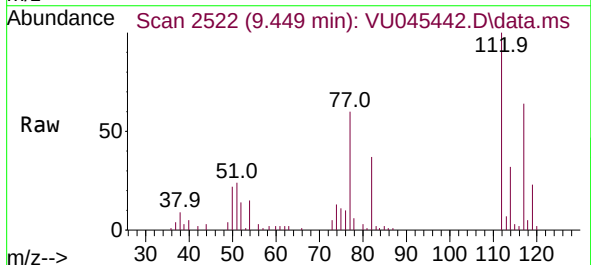
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

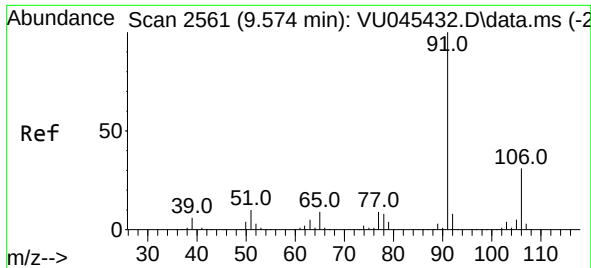
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 6927  |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 99.0  | 66.1  | 122.8 |
| 188      | 3.7   | 2.8   | 4.2   |



#51  
Chlorobenzene  
Concen: 2.533 ug/L  
RT: 9.449 min Scan# 2522  
Delta R.T. 0.000 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 16674 |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 114      | 31.8  | 22.5  | 41.7  |
| 77       | 59.8  | 49.8  | 74.6  |

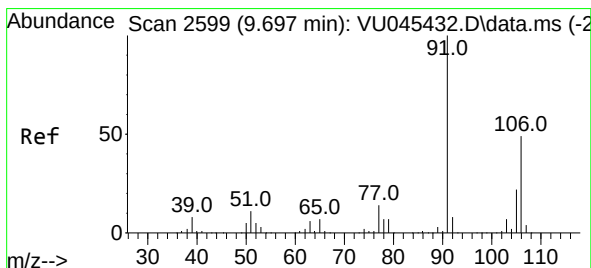
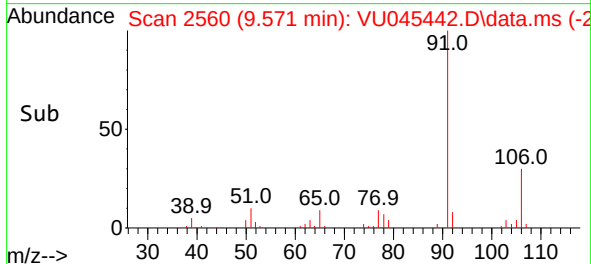
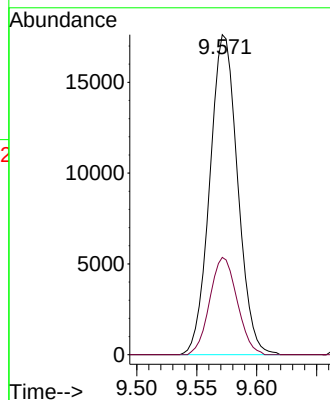
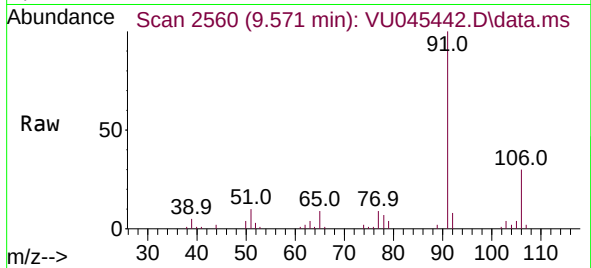




#52  
Ethylbenzene  
Concen: 2.460 ug/L  
RT: 9.571 min Scan# 2560  
Delta R.T. -0.003 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

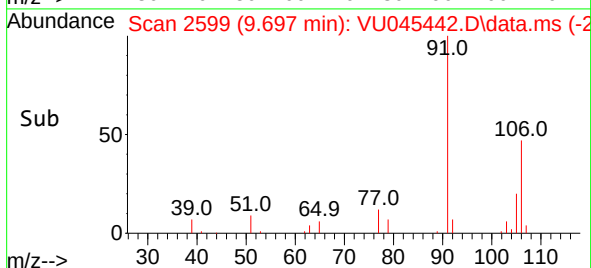
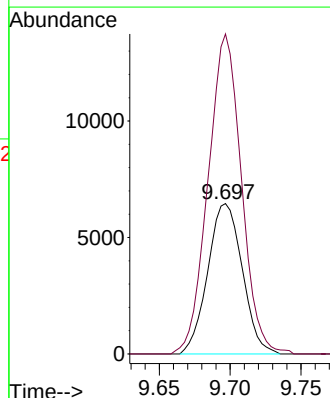
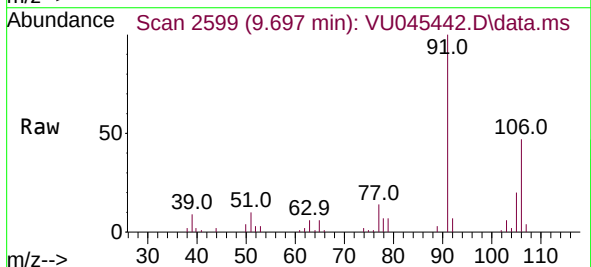
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

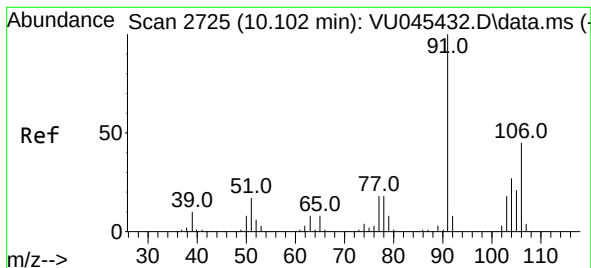
Tgt Ion: 91 Resp: 28431  
Ion Ratio Lower Upper  
91 100  
106 30.4 21.7 40.3



#53  
m,p-Xylene  
Concen: 2.478 ug/L  
RT: 9.697 min Scan# 2599  
Delta R.T. 0.000 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

Tgt Ion:106 Resp: 10959  
Ion Ratio Lower Upper  
106 100  
91 212.8 142.2 264.2





#54

o-xylene

Concen: 2.346 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. 0.000 min

Lab File: VU045442.D

Acq: 28 Oct 2021 16:08

Tgt Ion:106 Resp: 10277

Ion Ratio Lower Upper

106 100

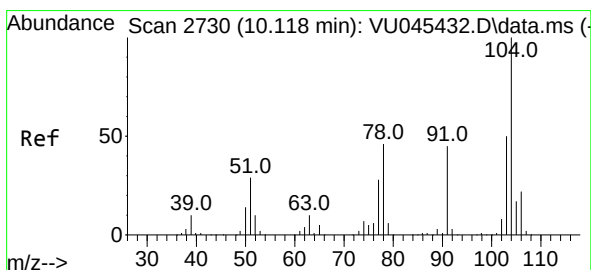
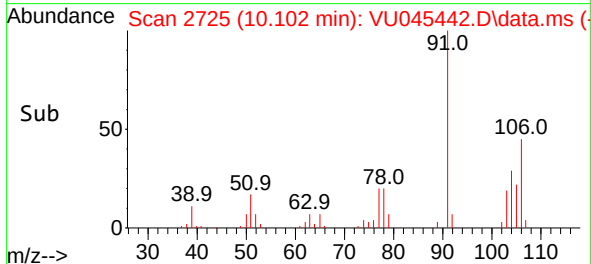
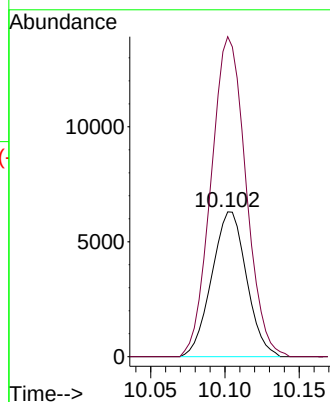
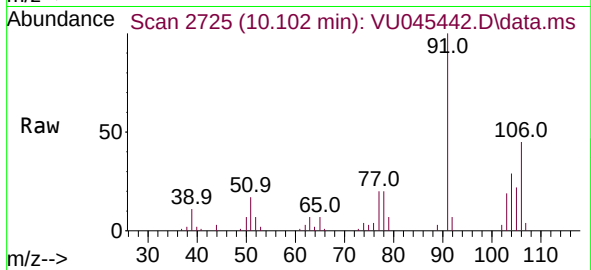
91 202.3 155.2 288.2

Instrument :

MSVOA\_U

ClientSampleId :

MDL01



#55

Styrene

Concen: 2.301 ug/L

RT: 10.118 min Scan# 2730

Delta R.T. 0.000 min

Lab File: VU045442.D

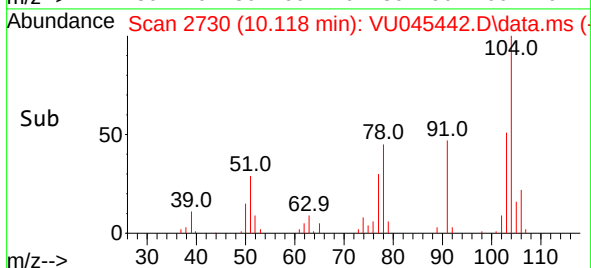
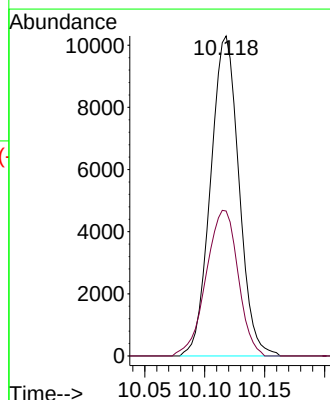
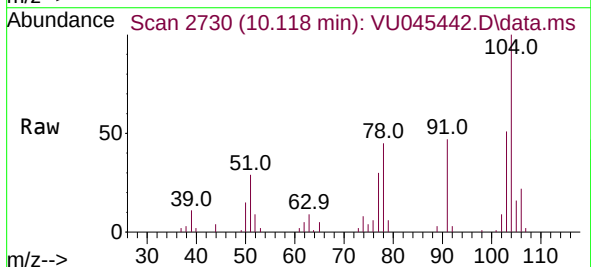
Acq: 28 Oct 2021 16:08

Tgt Ion:104 Resp: 16933

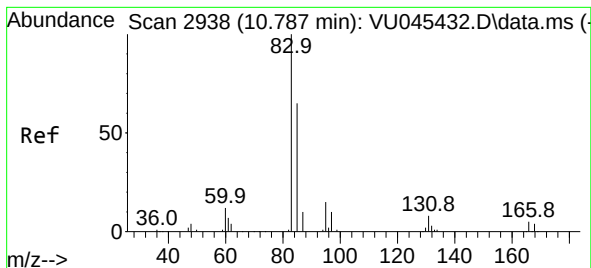
Ion Ratio Lower Upper

104 100

78 45.3 32.6 60.6



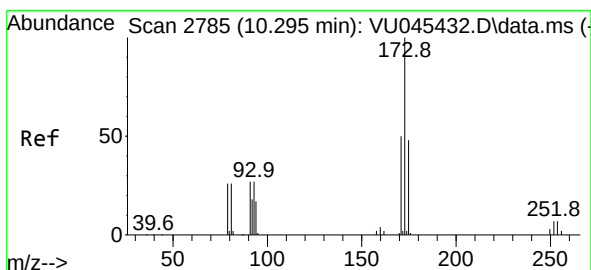
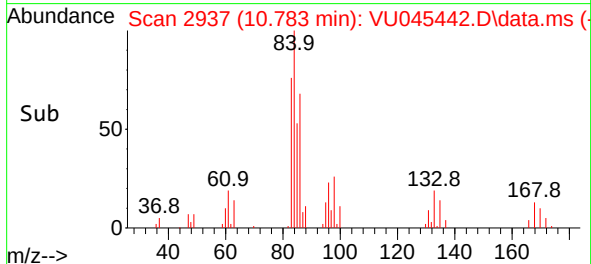
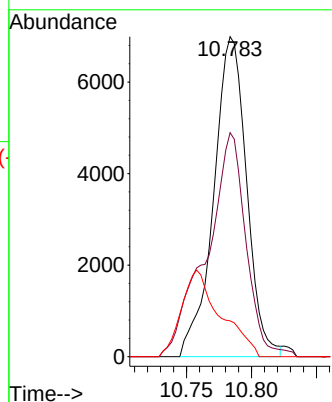
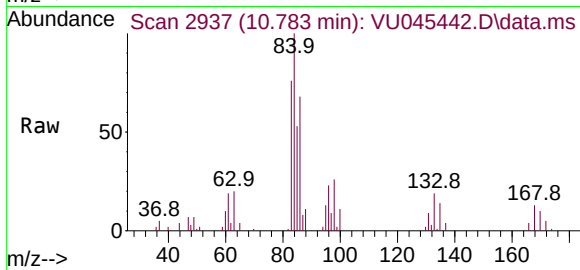




#57  
1,1,2,2-Tetrachloroethane  
Concen: 2.685 ug/L  
RT: 10.783 min Scan# 2937  
Delta R.T. -0.003 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

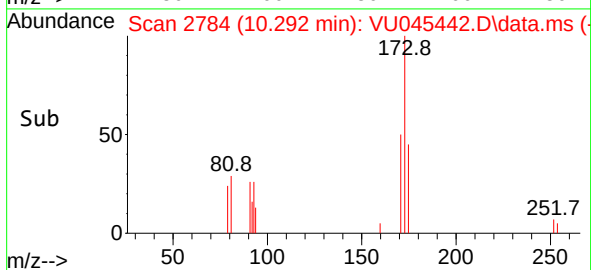
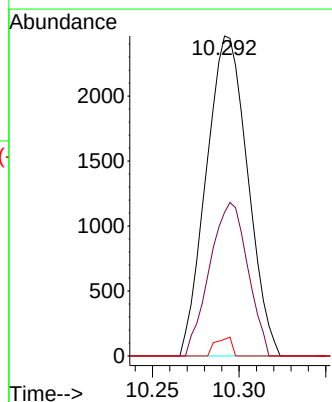
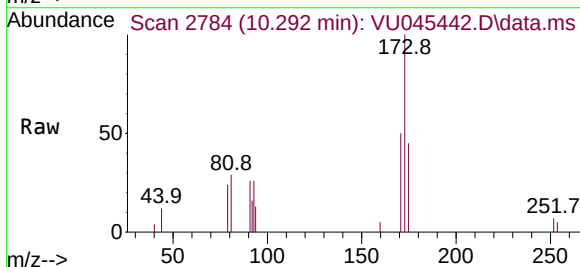
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

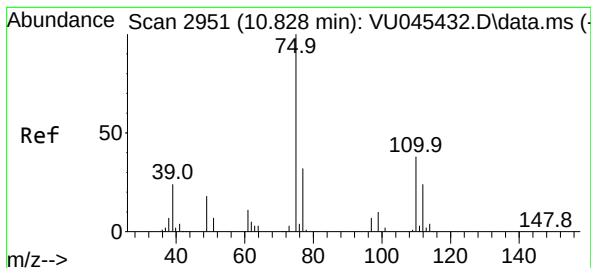
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 70.0  | 46.0  | 85.4  |
| 131     | 11.2  | 7.0   | 10.4# |



#59  
Bromoform  
Concen: 2.456 ug/L  
RT: 10.292 min Scan# 2784  
Delta R.T. -0.003 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 44.0  | 38.7  | 58.1  |
| 254     | 2.3   | 5.8   | 8.8#  |

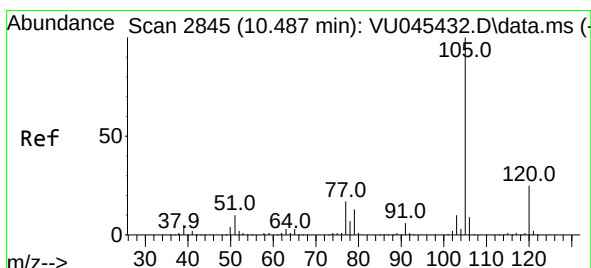
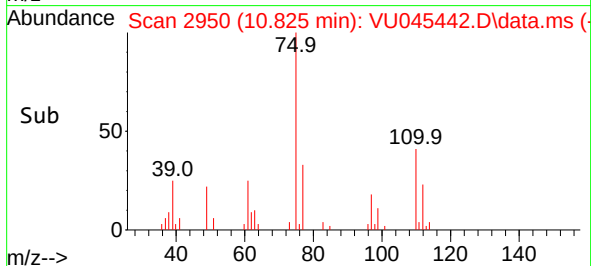
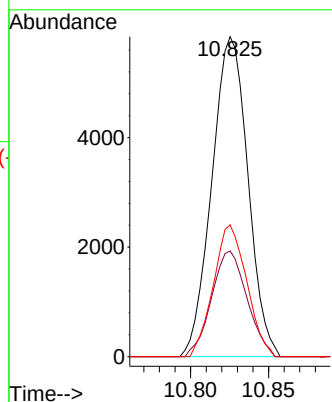
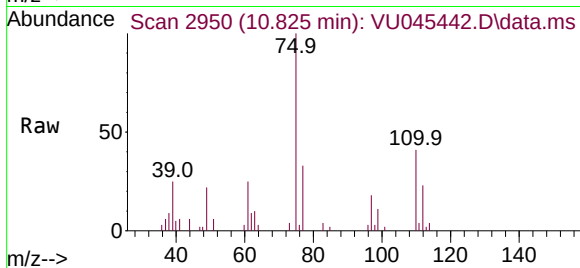




#60  
1,2,3-Trichloropropane  
Concen: 2.640 ug/L  
RT: 10.825 min Scan# 2950  
Delta R.T. -0.003 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

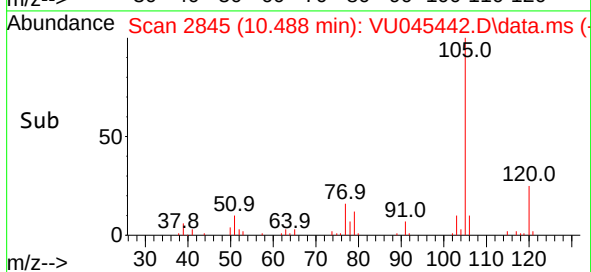
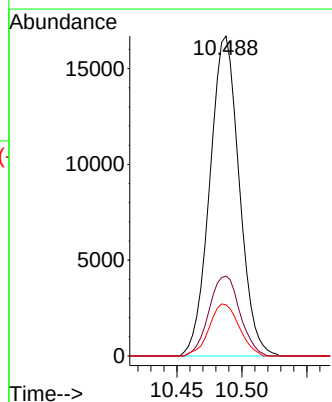
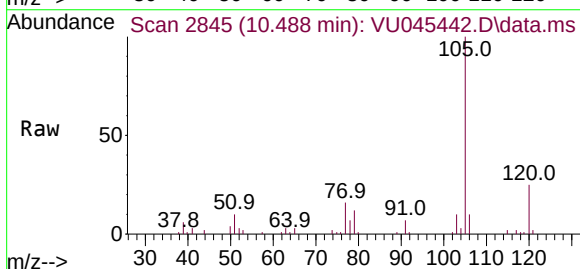
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

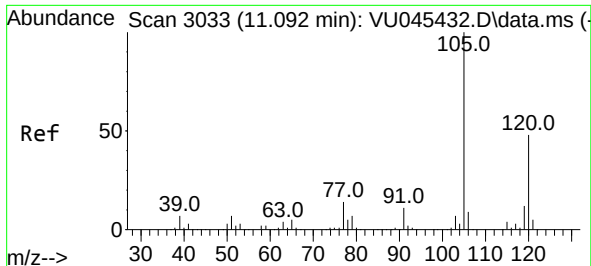
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 9391  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 32.5  | 25.9  | 38.9  |
| 110      | 38.1  | 29.8  | 44.8  |



#61  
Isopropylbenzene  
Concen: 2.463 ug/L  
RT: 10.488 min Scan# 2845  
Delta R.T. 0.000 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 26296 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 26.2  | 20.4  | 30.6  |
| 77       | 16.6  | 13.3  | 19.9  |

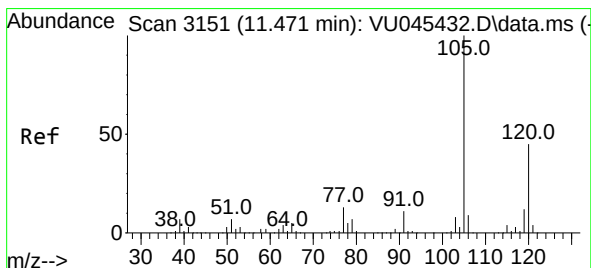
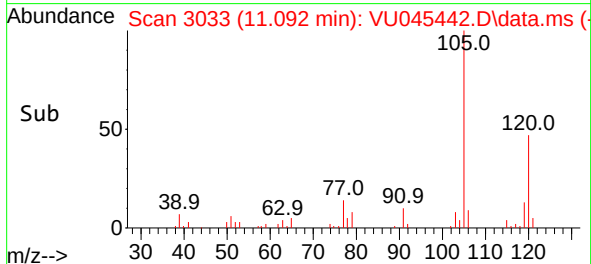
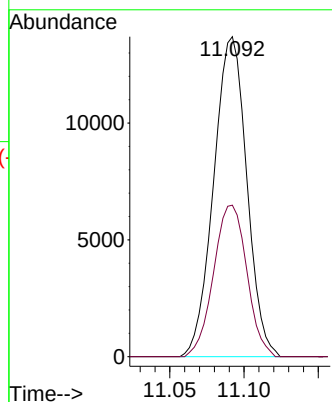
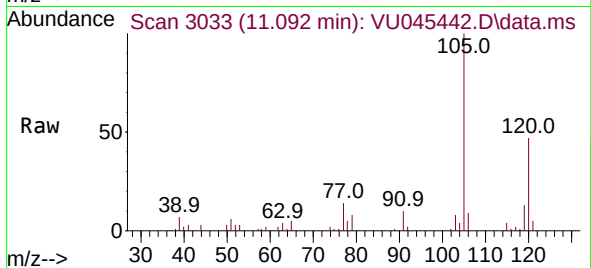




#62  
1,3,5-Trimethylbenzene  
Concen: 2.337 ug/L  
RT: 11.092 min Scan# 3033  
Delta R.T. 0.000 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

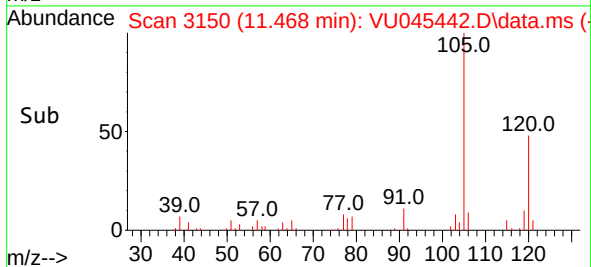
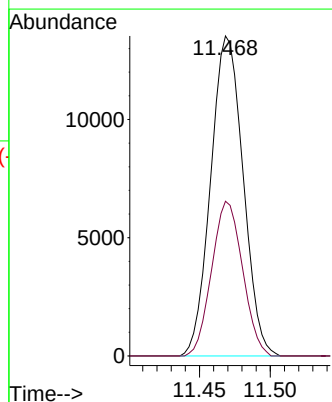
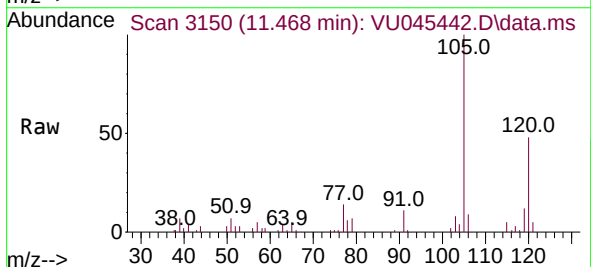
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

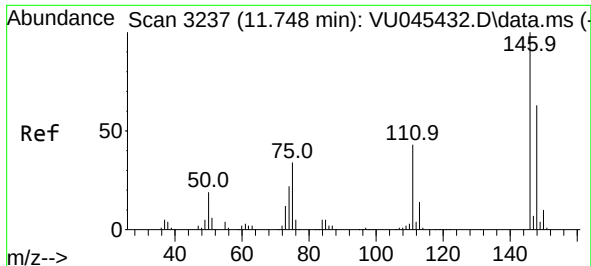
Tgt Ion:105 Resp: 21253  
Ion Ratio Lower Upper  
105 100  
120 47.5 38.5 57.7



#63  
1,2,4-Trimethylbenzene  
Concen: 2.332 ug/L  
RT: 11.468 min Scan# 3150  
Delta R.T. -0.003 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

Tgt Ion:105 Resp: 21555  
Ion Ratio Lower Upper  
105 100  
120 46.0 35.6 53.4

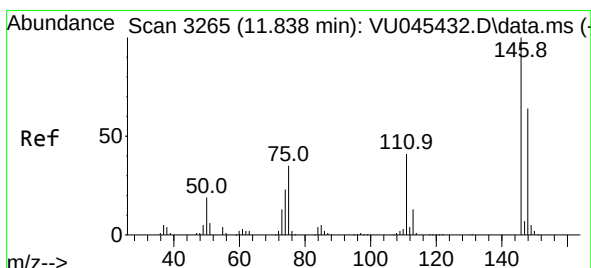
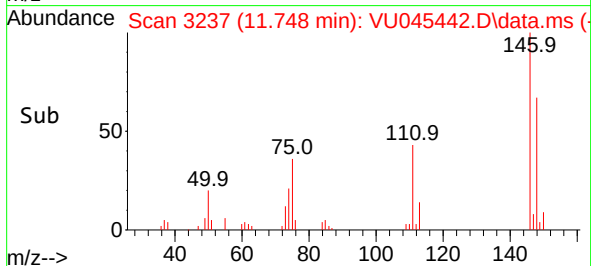
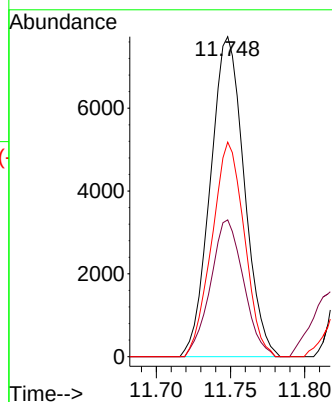
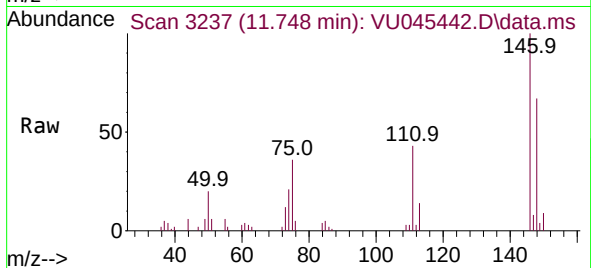




#64  
1,3-Dichlorobenzene  
Concen: 2.592 ug/L  
RT: 11.748 min Scan# 3237  
Delta R.T. 0.000 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

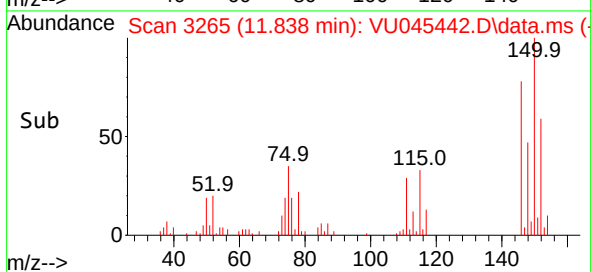
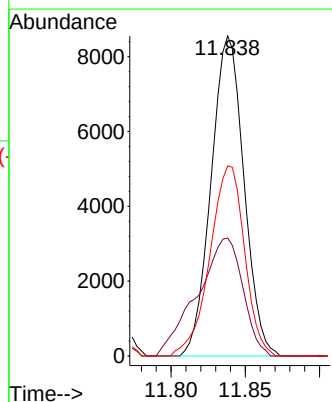
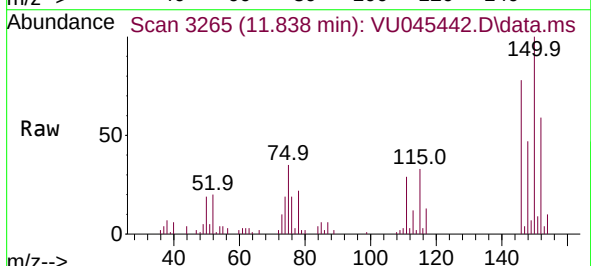
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

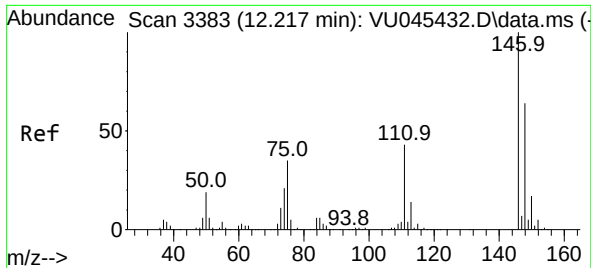
Tgt Ion:146 Resp: 12241  
Ion Ratio Lower Upper  
146 100  
111 42.7 29.8 55.4  
148 71.2 44.1 81.9



#65  
1,4-Dichlorobenzene  
Concen: 2.752 ug/L  
RT: 11.838 min Scan# 3265  
Delta R.T. 0.000 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

Tgt Ion:146 Resp: 13148  
Ion Ratio Lower Upper  
146 100  
111 36.9 28.6 53.0  
148 59.4 44.5 82.7

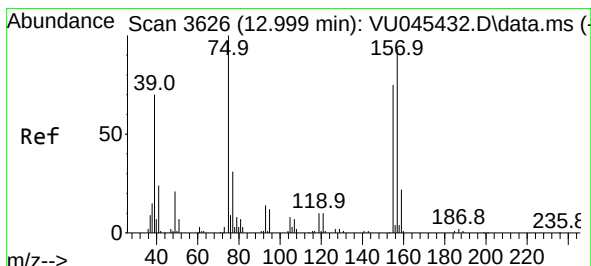
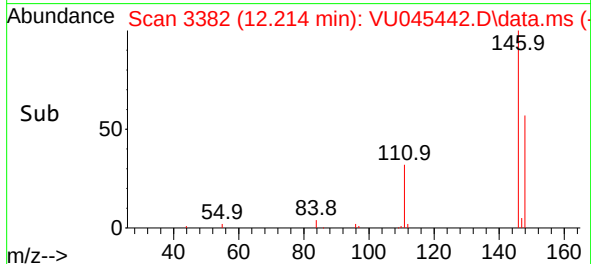
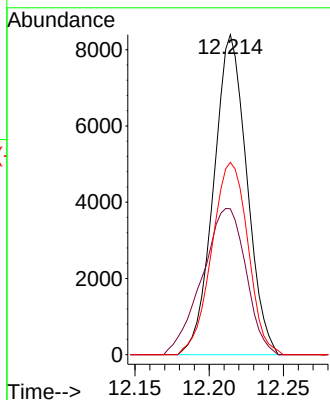
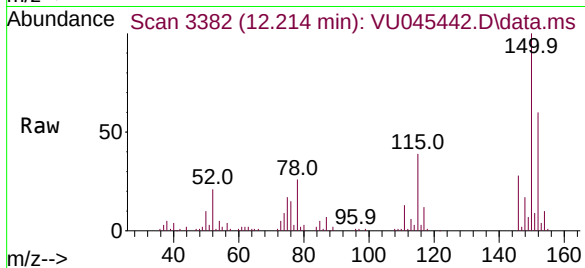




#67  
1,2-Dichlorobenzene  
Concen: 2.666 ug/L  
RT: 12.214 min Scan# 3382  
Delta R.T. -0.003 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

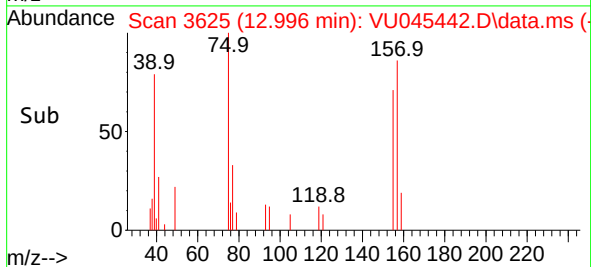
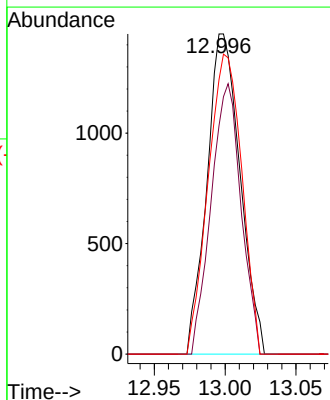
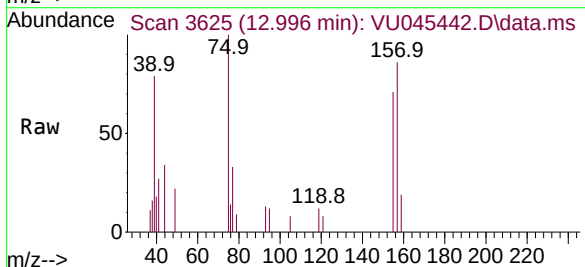
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

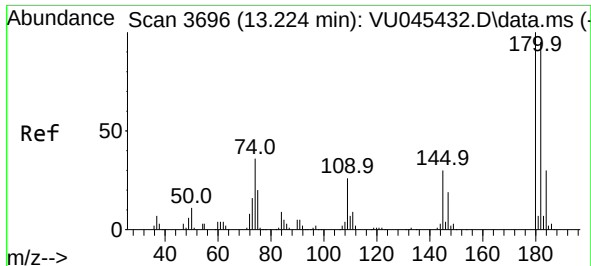
Tgt Ion:146 Resp: 13027  
Ion Ratio Lower Upper  
146 100  
111 45.6 34.6 52.0  
148 60.1 51.2 76.8



#68  
1,2-Dibromo-3-chloropropane  
Concen: 2.271 ug/L  
RT: 12.996 min Scan# 3625  
Delta R.T. -0.003 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

Tgt Ion: 75 Resp: 2359  
Ion Ratio Lower Upper  
75 100  
155 71.3 60.0 90.0  
157 85.7 77.9 116.9



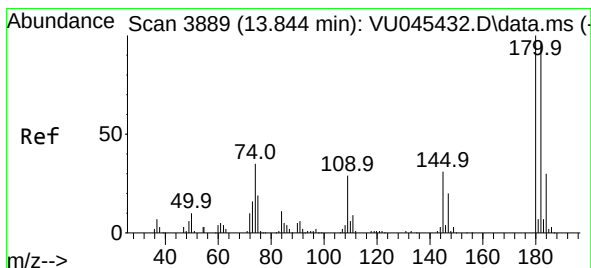
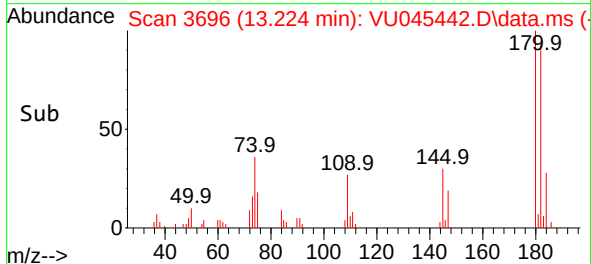
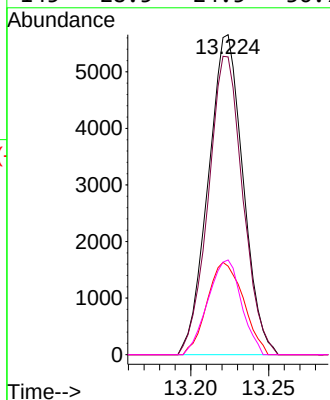
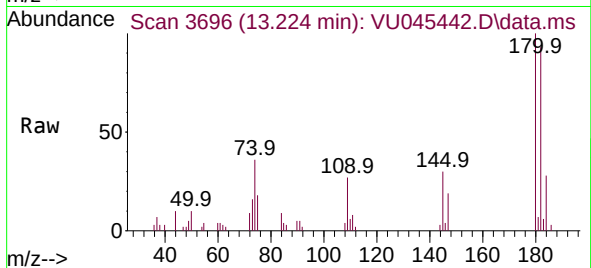


#69  
1,3,5-Trichlorobenzene  
Concen: 2.520 ug/L  
RT: 13.224 min Scan# 3696  
Delta R.T. 0.000 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

Instrument :  
MSVOA\_U  
ClientSampled :  
MDL01

Tgt Ion:180 Resp: 8777

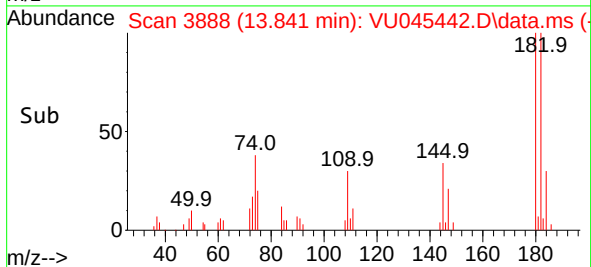
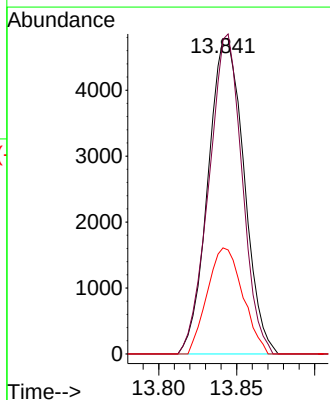
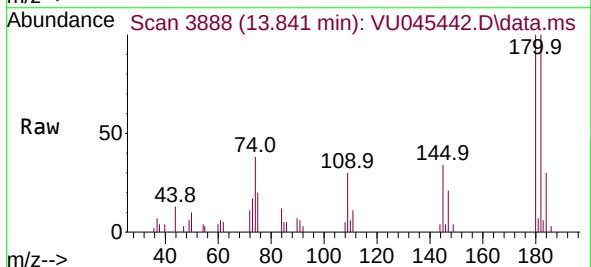
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 92.3  | 76.6  | 114.8 |
| 184 | 30.0  | 23.9  | 35.9  |
| 145 | 28.5  | 24.5  | 36.7  |

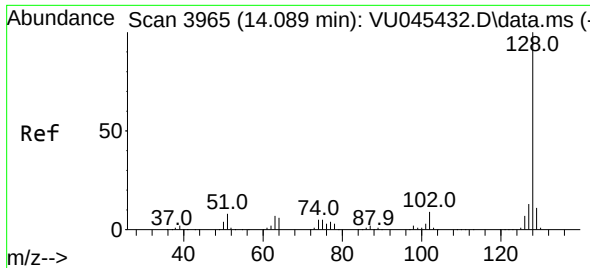


#70  
1,2,4-trichlorobenzene  
Concen: 2.409 ug/L  
RT: 13.841 min Scan# 3888  
Delta R.T. -0.003 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

Tgt Ion:180 Resp: 7667

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 93.4  | 76.1  | 114.1 |
| 145 | 33.1  | 25.3  | 37.9  |

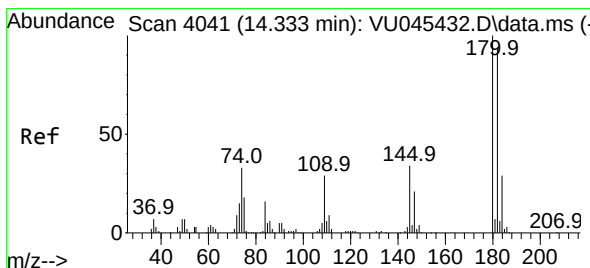
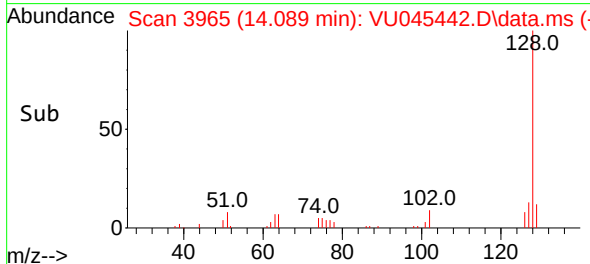
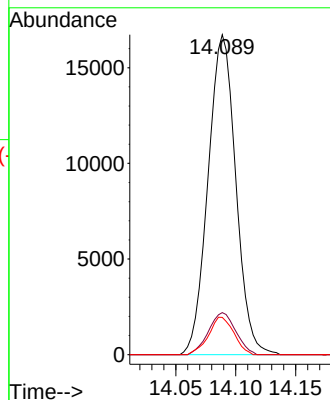
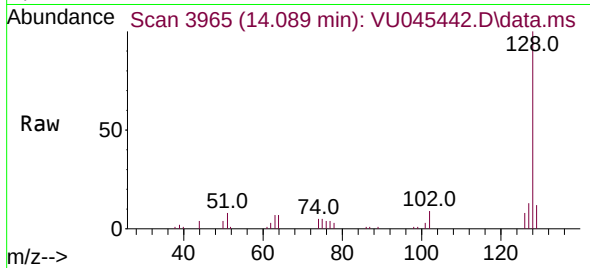




#71  
Naphthalene  
Concen: 2.221 ug/L  
RT: 14.089 min Scan# 3965  
Delta R.T. 0.000 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 26928 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 12.9  | 10.4  | 15.6  |
| 129      | 10.7  | 8.6   | 13.0  |



#72  
1,2,3-Trichlorobenzene  
Concen: 2.547 ug/L  
RT: 14.333 min Scan# 4041  
Delta R.T. 0.000 min  
Lab File: VU045442.D  
Acq: 28 Oct 2021 16:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 8295  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 93.1  | 75.7  | 113.5 |
| 145      | 31.3  | 27.0  | 40.4  |

