

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051525\  
 Data File : VX046212.D  
 Acq On : 15 May 2025 14:34  
 Operator : JC/MD  
 Sample : Q2050-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: May 16 01:06:14 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 06 07:12:22 2025  
 Response via : Initial Calibration

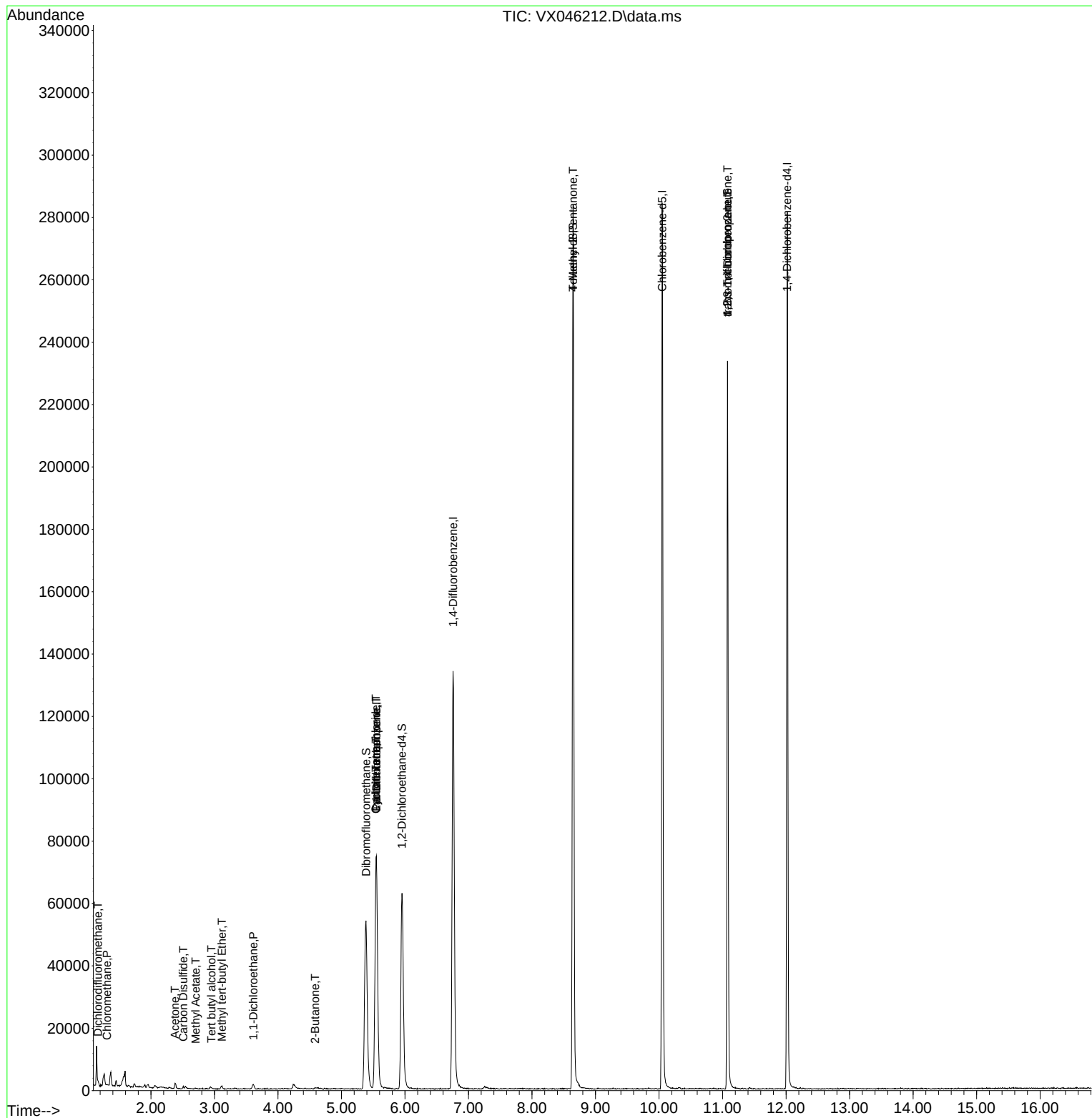
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 63694    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 128038   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.049 | 117   | 119578   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 51539    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 66083    | 55.651   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | =      | 111.300% |
| 35) Dibromofluoromethane      | 5.385  | 113   | 48275    | 52.358   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 104.720% |
| 50) Toluene-d8                | 8.647  | 98    | 161234   | 50.525   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | =      | 101.040% |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 61266    | 50.050   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | =      | 100.100% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.166  | 85    | 352      | 0.361    | ug/l   | 99       |
| 3) Chloromethane              | 1.307  | 50    | 420      | 0.444    | ug/l   | 98       |
| 11) Tert butyl alcohol        | 2.953  | 59    | 250      | 1.500    | ug/l # | 72       |
| 16) Acetone                   | 2.380  | 43    | 1902     | 3.995    | ug/l   | 99       |
| 17) Carbon Disulfide          | 2.508  | 76    | 811      | 0.453    | ug/l # | 76       |
| 18) Methyl Acetate            | 2.703  | 43    | 229      | 0.207    | ug/l # | 55       |
| 19) Methyl tert-butyl Ether   | 3.117  | 73    | 845      | 0.319    | ug/l   | 98       |
| 24) 1,1-Dichloroethane        | 3.611  | 63    | 1795     | 1.156    | ug/l # | 82       |
| 25) 2-Butanone                | 4.586  | 43    | 373      | 0.540    | ug/l # | 53       |
| 31) Cyclohexane               | 5.544  | 56    | 1905     | 1.346    | ug/l # | 44       |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 6380     | 5.150    | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.544  | 117   | 7730     | 5.554    | ug/l # | 14       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 907      | 0.585    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 34876    | 28.113   | ug/l # | 36       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 34876    | 91.527   | ug/l # | 1        |
| -----                         |        |       |          |          |        |          |

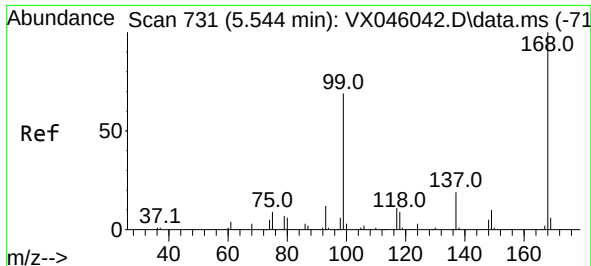
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051525\  
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Sample : Q2050-04  
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ClientSampleId :

Quant Time: May 16 01:06:14 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 06 07:12:22 2025  
Response via : Initial Calibration

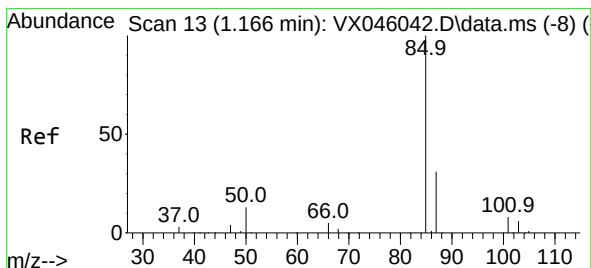
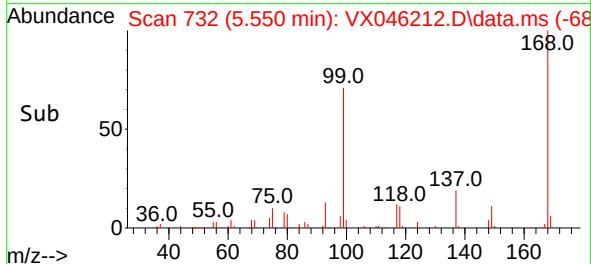
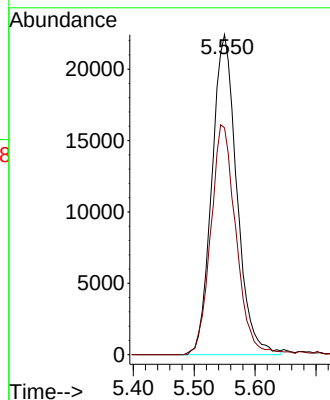
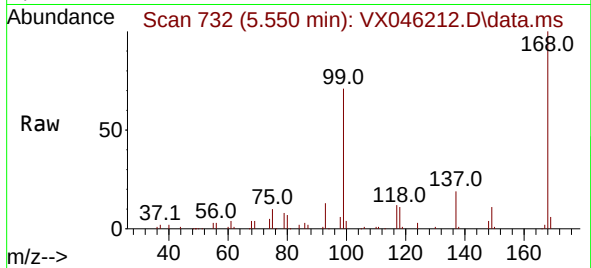




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX046212.D  
Acq: 15 May 2025 14:34

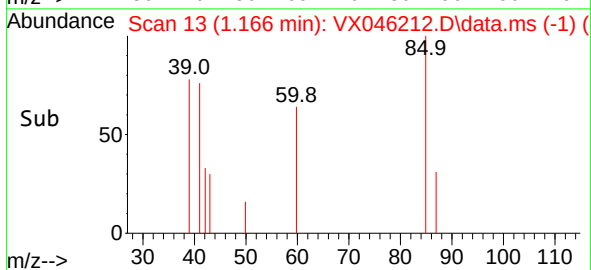
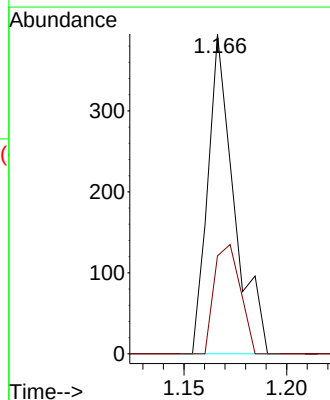
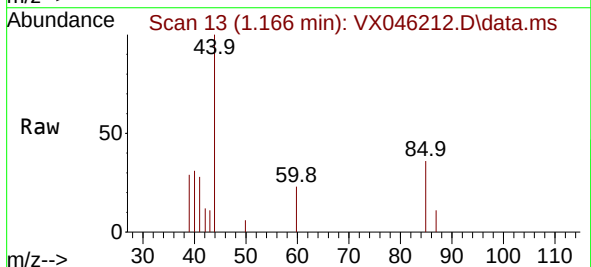
Instrument :  
MSVOA\_X  
ClientSampleId :

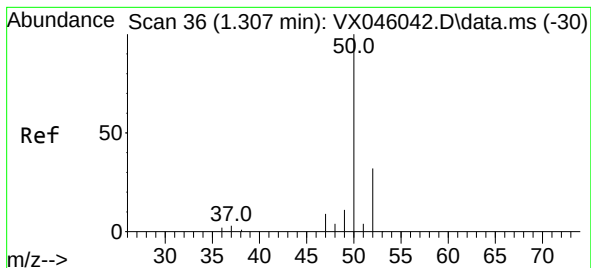
Tgt Ion:168 Resp: 63694  
Ion Ratio Lower Upper  
168 100  
99 70.9 54.9 82.3



#2  
Dichlorodifluoromethane  
Concen: 0.361 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX046212.D  
Acq: 15 May 2025 14:34

Tgt Ion: 85 Resp: 352  
Ion Ratio Lower Upper  
85 100  
87 30.6 15.7 47.1





#3

Chloromethane

Concen: 0.444 ug/l

RT: 1.307 min Scan# 306

Delta R.T. -0.000 min

Lab File: VX046212.D

Acq: 15 May 2025 14:34

Instrument :

MSVOA\_X

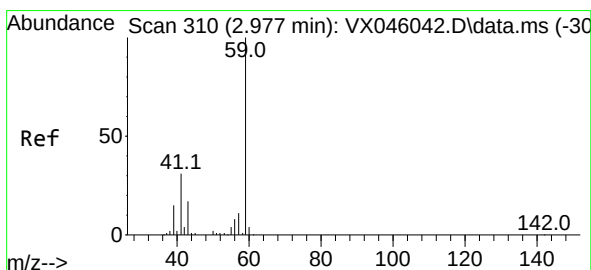
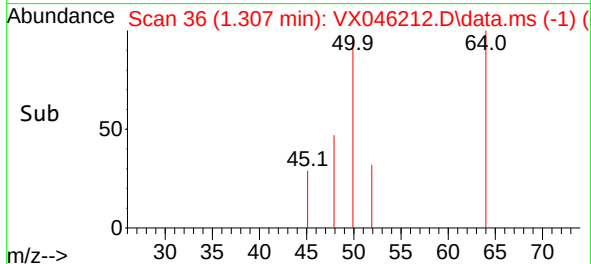
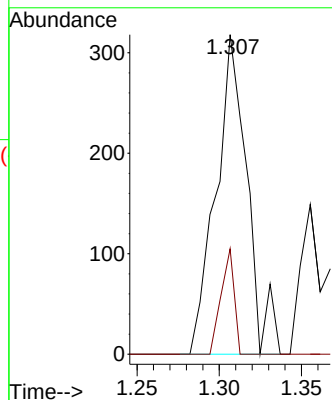
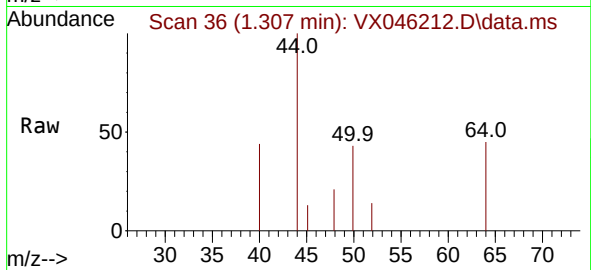
ClientSampleId :

Tgt Ion: 50 Resp: 420

Ion Ratio Lower Upper

50 100

52 33.0 25.4 38.2



#11

Tert butyl alcohol

Concen: 1.500 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.025 min

Lab File: VX046212.D

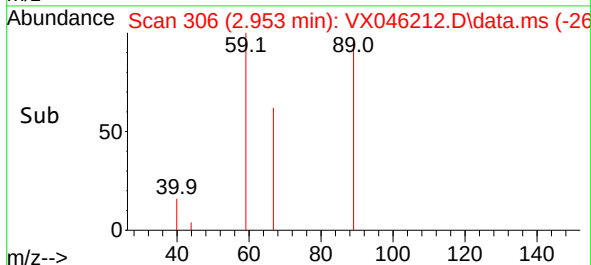
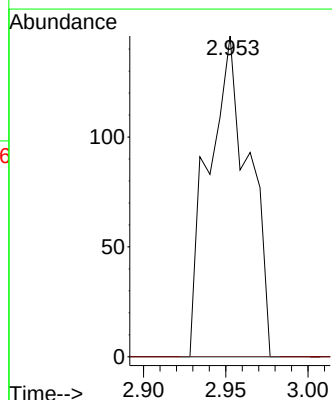
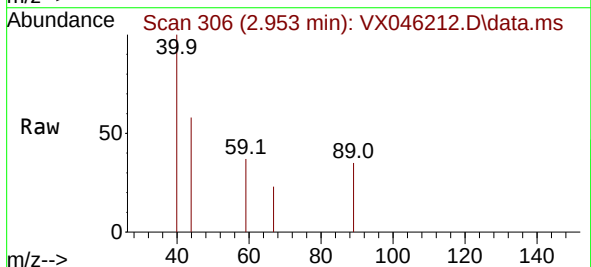
Acq: 15 May 2025 14:34

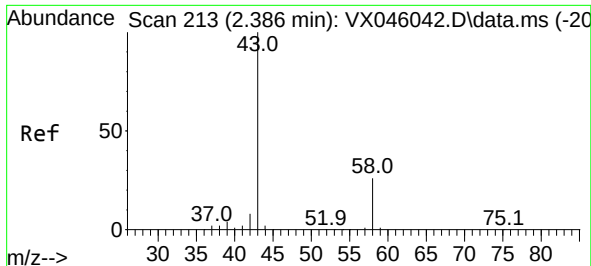
Tgt Ion: 59 Resp: 250

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#

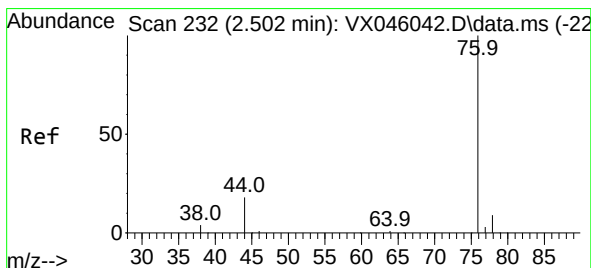
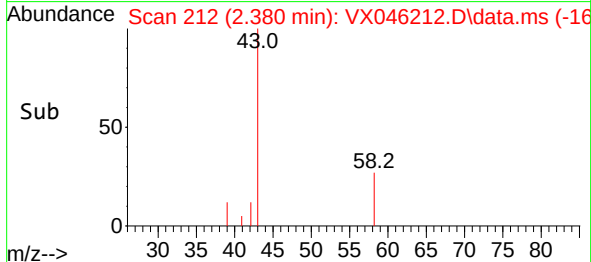
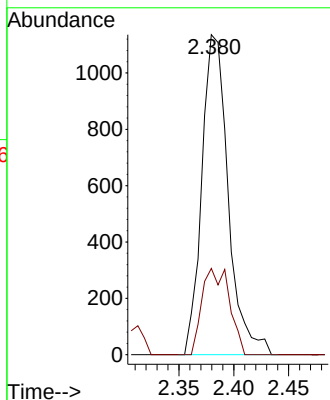
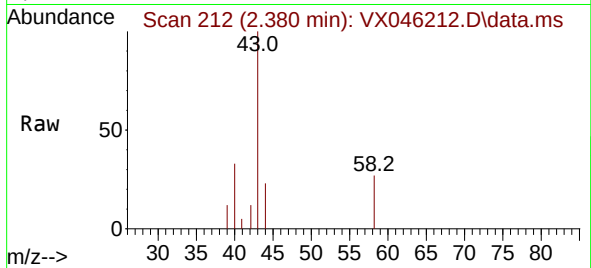




#16  
Acetone  
Concen: 3.995 ug/l  
RT: 2.380 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX046212.D  
Acq: 15 May 2025 14:34

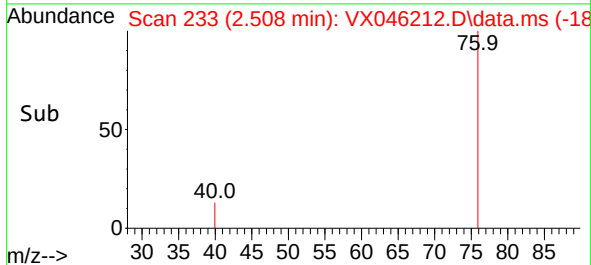
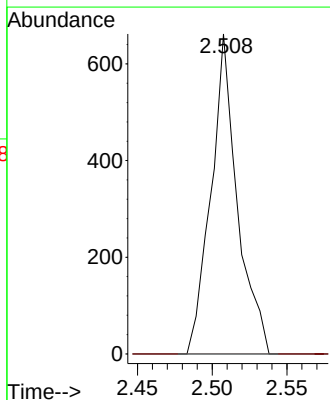
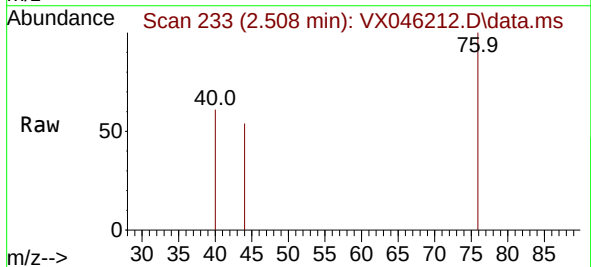
Instrument :  
MSVOA\_X  
ClientSampleId :

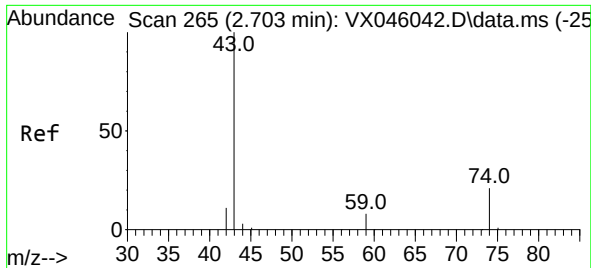
Tgt Ion: 43 Resp: 1902  
Ion Ratio Lower Upper  
43 100  
58 26.9 21.2 31.8



#17  
Carbon Disulfide  
Concen: 0.453 ug/l  
RT: 2.508 min Scan# 233  
Delta R.T. 0.006 min  
Lab File: VX046212.D  
Acq: 15 May 2025 14:34

Tgt Ion: 76 Resp: 811  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.0 10.4#

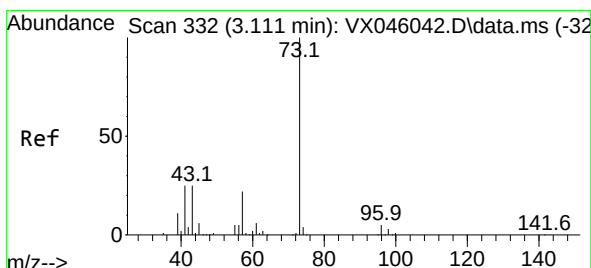
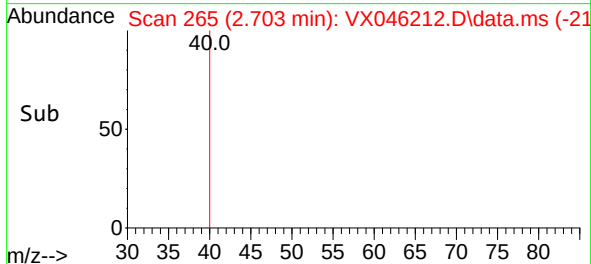
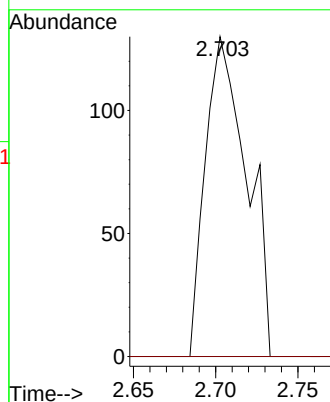
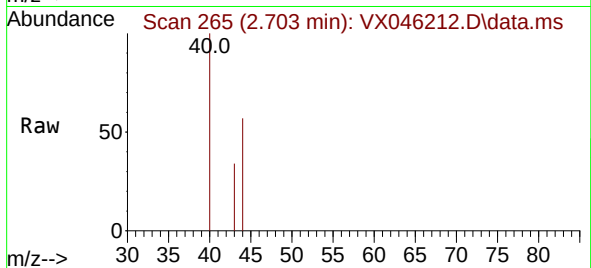




#18  
Methyl Acetate  
Concen: 0.207 ug/l  
RT: 2.703 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX046212.D  
Acq: 15 May 2025 14:34

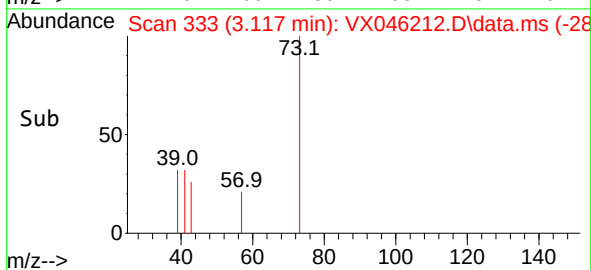
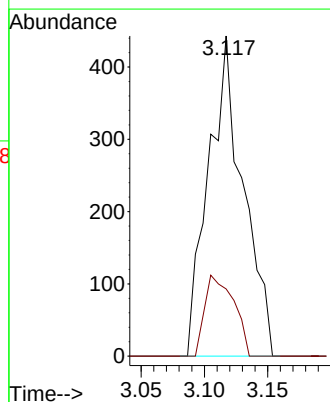
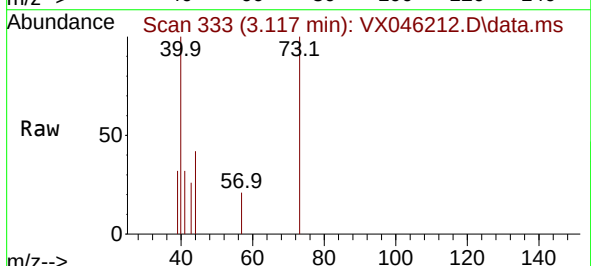
Instrument :  
MSVOA\_X  
ClientSampleId :

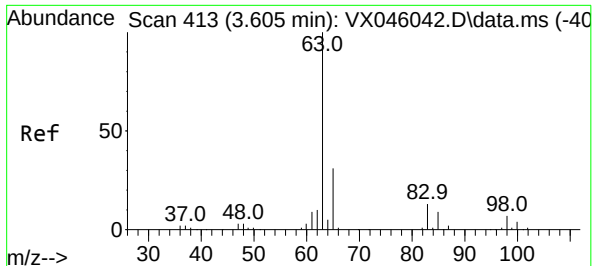
Tgt Ion: 43 Resp: 229  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.7 25.1#



#19  
Methyl tert-butyl Ether  
Concen: 0.319 ug/l  
RT: 3.117 min Scan# 333  
Delta R.T. 0.006 min  
Lab File: VX046212.D  
Acq: 15 May 2025 14:34

Tgt Ion: 73 Resp: 845  
Ion Ratio Lower Upper  
73 100  
57 21.0 17.7 26.5

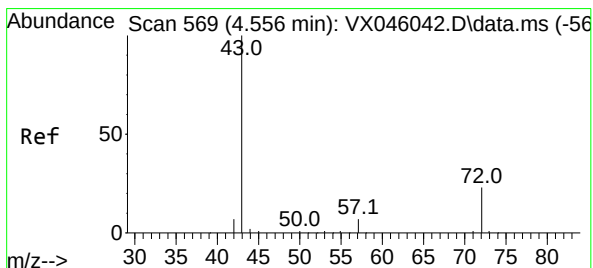
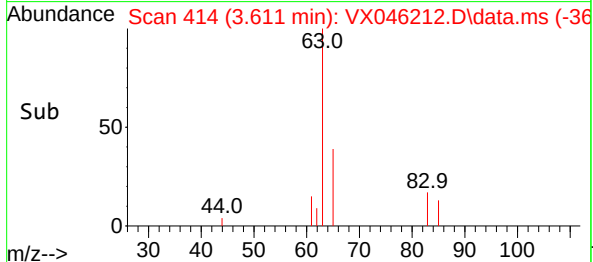
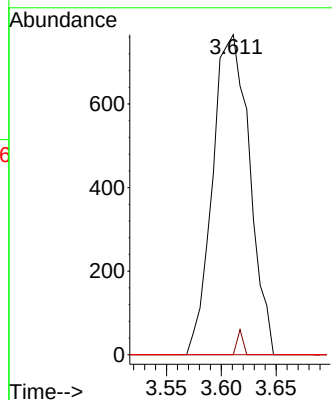
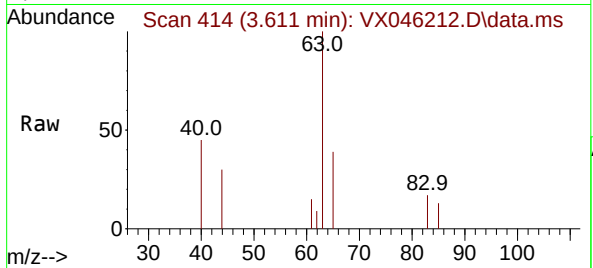




#24  
1,1-Dichloroethane  
Concen: 1.156 ug/l  
RT: 3.611 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VX046212.D  
Acq: 15 May 2025 14:34

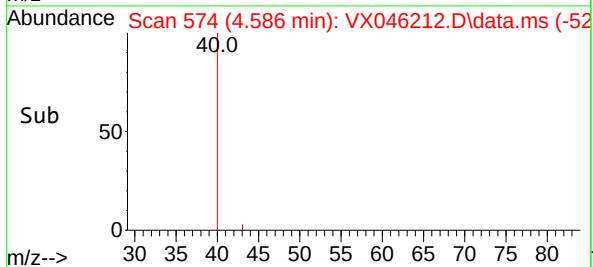
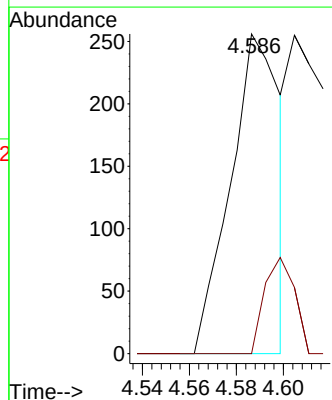
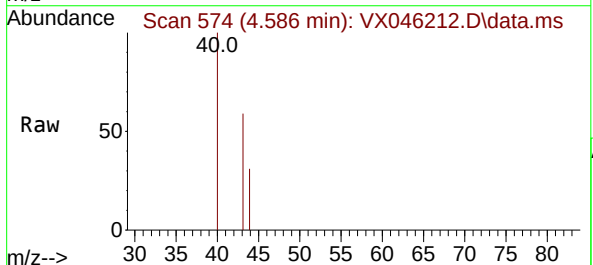
Instrument :  
MSVOA\_X  
ClientSampleId :

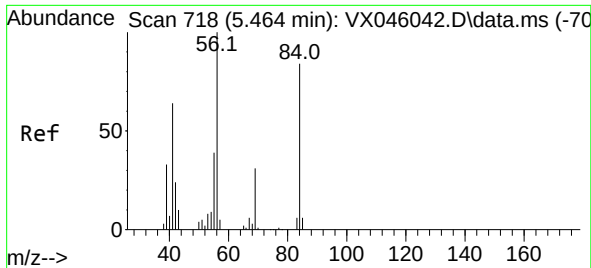
Tgt Ion: 63 Resp: 1795  
Ion Ratio Lower Upper  
63 100  
98 0.0 3.6 10.8#  
100 0.0 2.1 6.3#



#25  
2-Butanone  
Concen: 0.540 ug/l  
RT: 4.586 min Scan# 574  
Delta R.T. 0.030 min  
Lab File: VX046212.D  
Acq: 15 May 2025 14:34

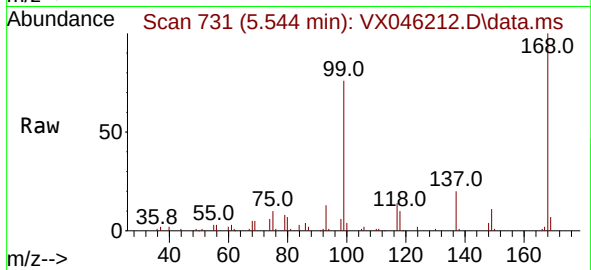
Tgt Ion: 43 Resp: 373  
Ion Ratio Lower Upper  
43 100  
72 0.0 18.4 27.6#



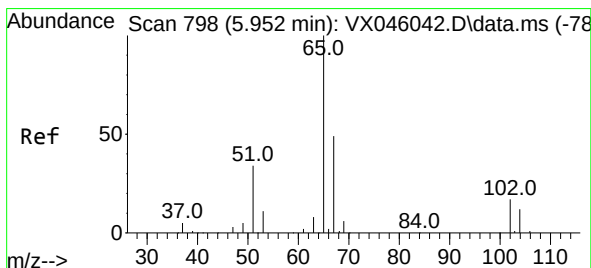
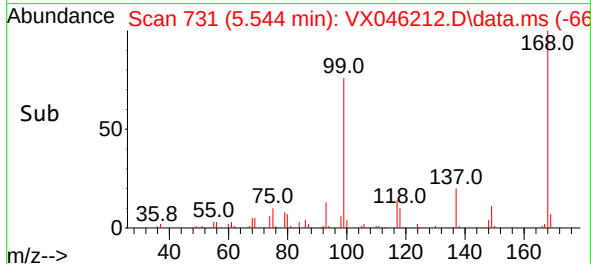
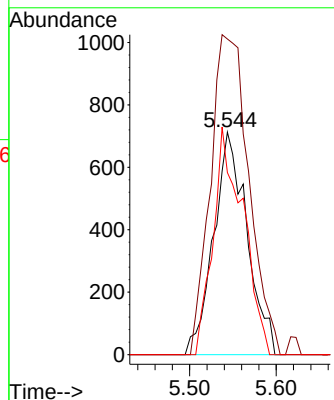


#31  
Cyclohexane  
Concen: 1.346 ug/l  
RT: 5.544 min Scan# 718  
Delta R.T. 0.079 min  
Lab File: VX046212.D  
Acq: 15 May 2025 14:34

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MSVOA\_X  
ClientSampleId :

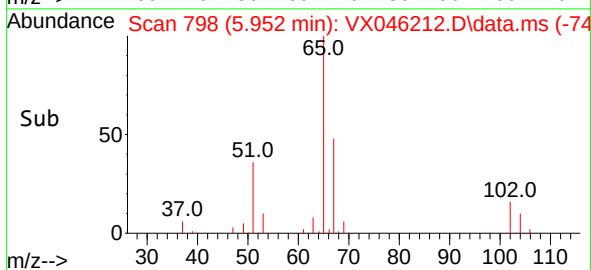
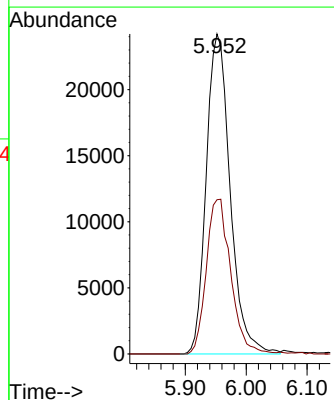
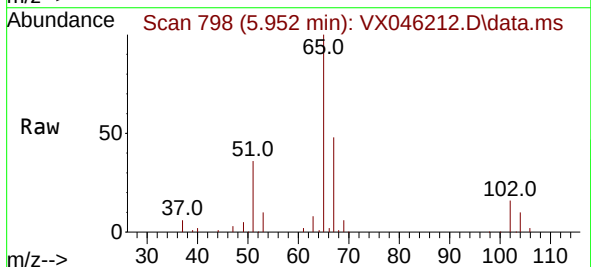


Tgt Ion: 56 Resp: 1905  
Ion Ratio Lower Upper  
56 100  
69 141.8 24.4 36.6#  
84 81.8 66.9 100.3

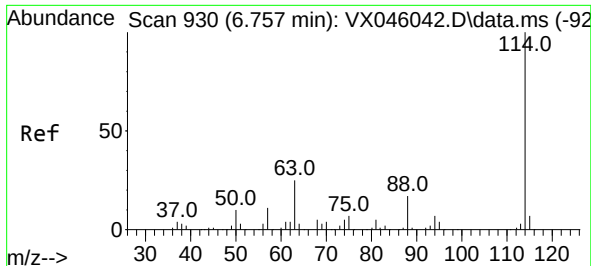


#33  
1,2-Dichloroethane-d4  
Concen: 55.651 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.000 min  
Lab File: VX046212.D  
Acq: 15 May 2025 14:34

Tgt Ion: 65 Resp: 66083  
Ion Ratio Lower Upper  
65 100  
67 49.4 0.0 99.0

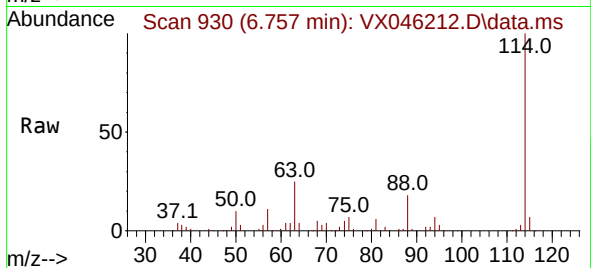




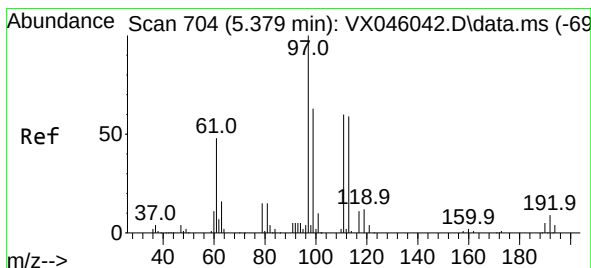
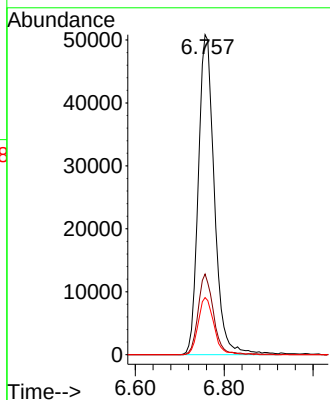
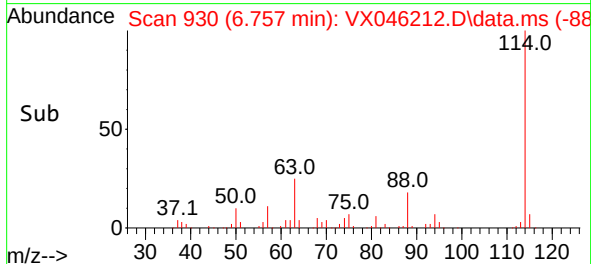


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX046212.D  
Acq: 15 May 2025 14:34

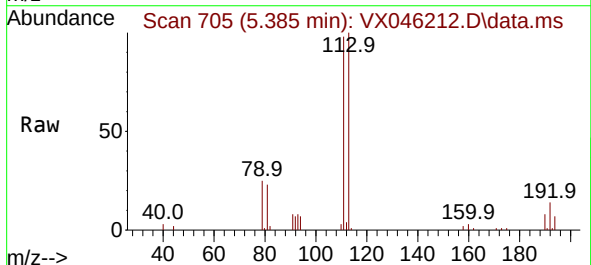
Instrument :  
MSVOA\_X  
ClientSampleId :



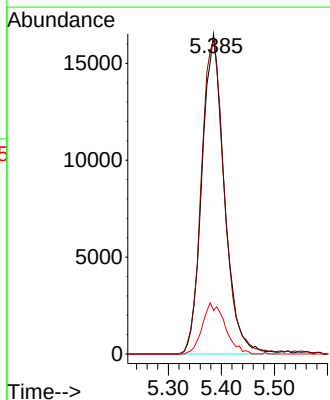
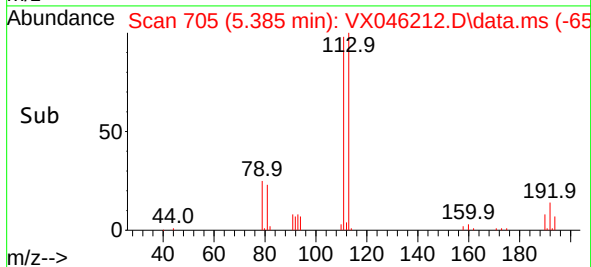
Tgt Ion:114 Resp: 128038  
Ion Ratio Lower Upper  
114 100  
63 25.2 0.0 49.2  
88 17.8 0.0 33.6

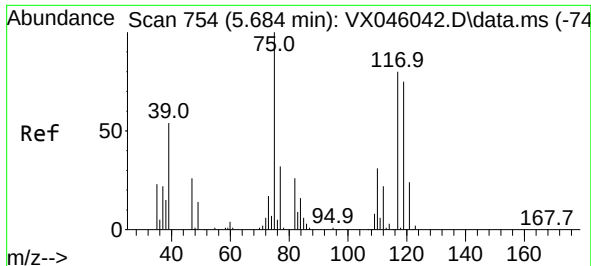


#35  
Dibromofluoromethane  
Concen: 52.358 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX046212.D  
Acq: 15 May 2025 14:34



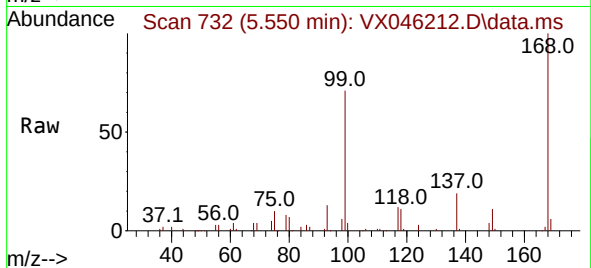
Tgt Ion:113 Resp: 48275  
Ion Ratio Lower Upper  
113 100  
111 101.4 83.1 124.7  
192 16.3 13.3 19.9



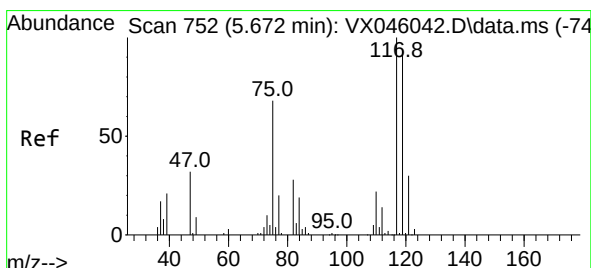
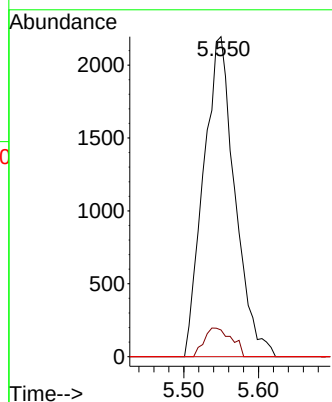
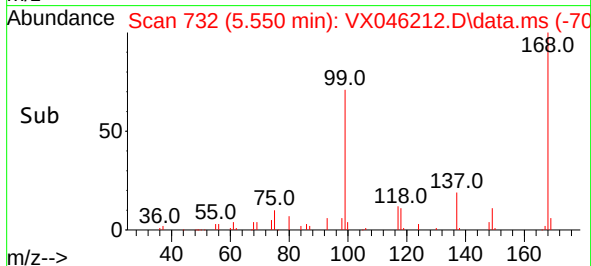


#36  
1,1-Dichloropropene  
Concen: 5.150 ug/l  
RT: 5.550 min Scan# 711  
Delta R.T. -0.134 min  
Lab File: VX046212.D  
Acq: 15 May 2025 14:34

Instrument :  
MSVOA\_X  
ClientSampleId :

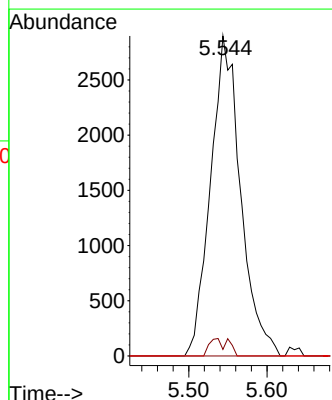
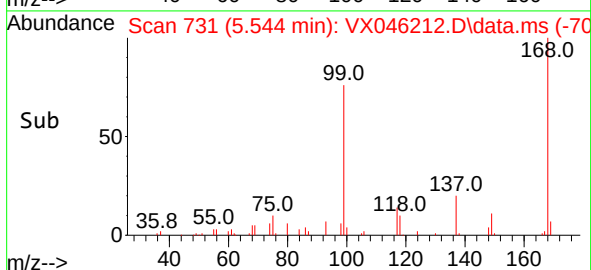
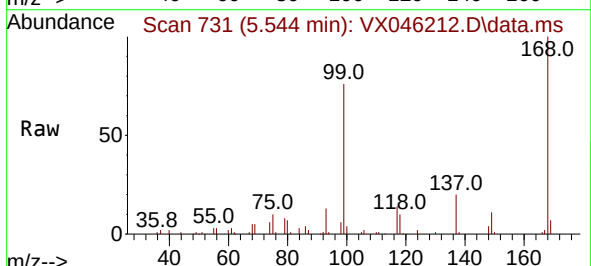


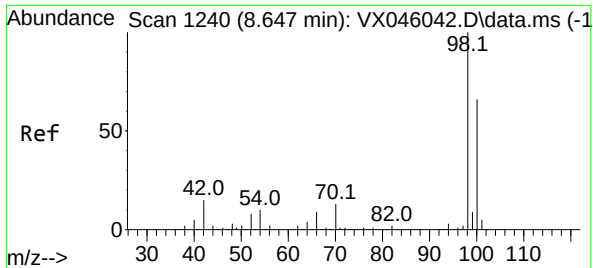
Tgt Ion: 75 Resp: 6380  
Ion Ratio Lower Upper  
75 100  
110 7.8 16.3 48.9#  
77 0.0 24.3 36.5#



#38  
Carbon Tetrachloride  
Concen: 5.554 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.128 min  
Lab File: VX046212.D  
Acq: 15 May 2025 14:34

Tgt Ion: 117 Resp: 7730  
Ion Ratio Lower Upper  
117 100  
119 2.1 75.2 112.8#  
121 0.0 24.2 36.4#

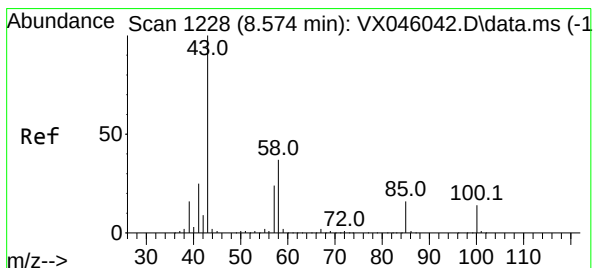
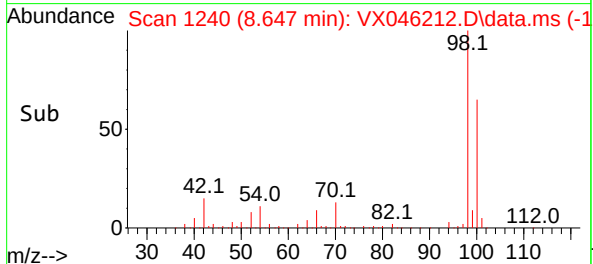
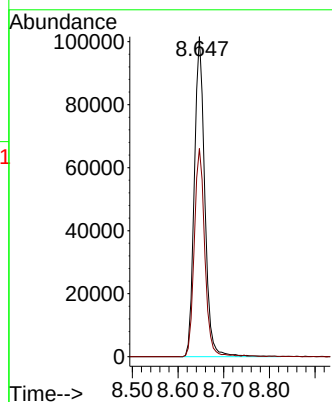
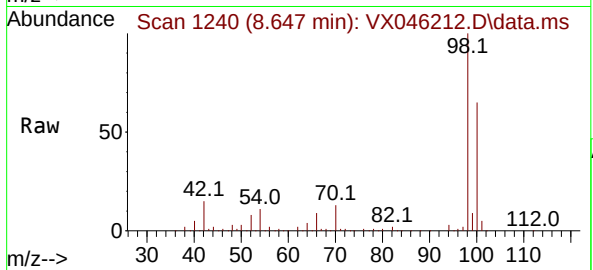




#50  
Toluene-d8  
Concen: 50.525 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX046212.D  
Acq: 15 May 2025 14:34

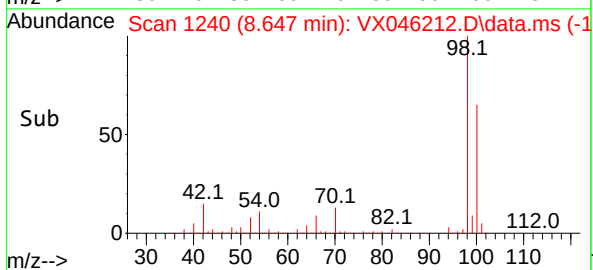
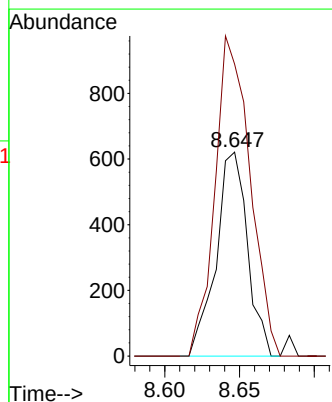
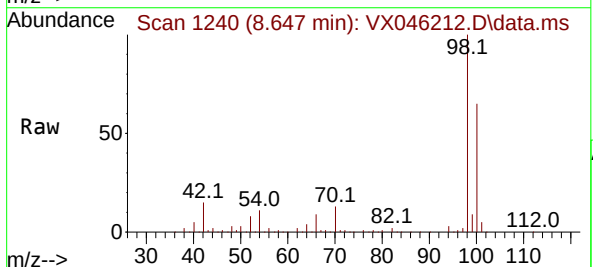
Instrument :  
MSVOA\_X  
ClientSampleId :

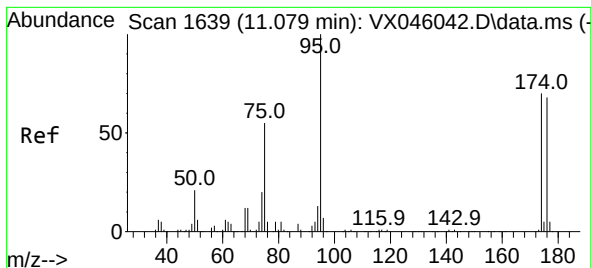
Tgt Ion: 98 Resp: 161234  
Ion Ratio Lower Upper  
98 100  
100 65.3 53.5 80.3



#51  
4-Methyl-2-Pentanone  
Concen: 0.585 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.073 min  
Lab File: VX046212.D  
Acq: 15 May 2025 14:34

Tgt Ion: 43 Resp: 907  
Ion Ratio Lower Upper  
43 100  
58 175.1 28.9 43.3#

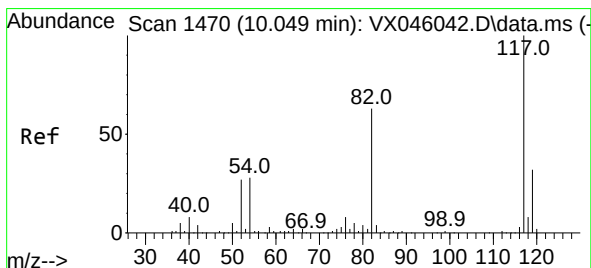
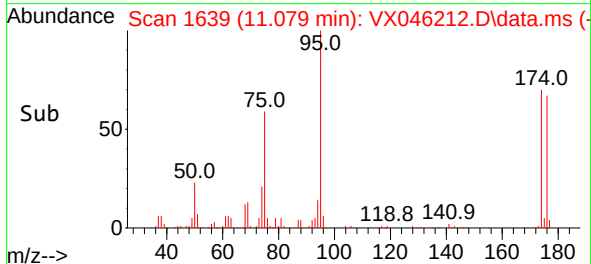
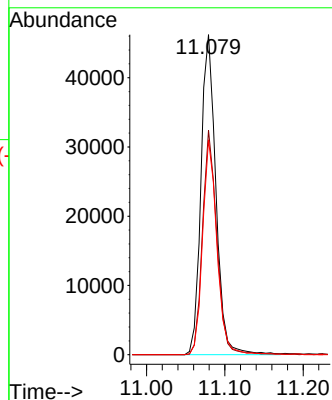
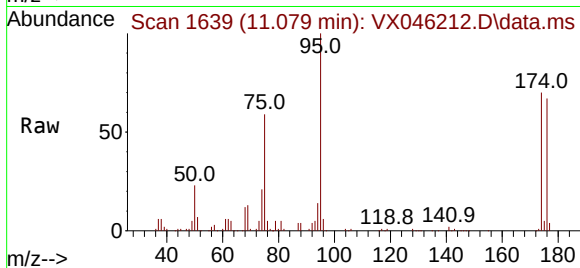




#62  
4-Bromofluorobenzene  
Concen: 50.050 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX046212.D  
Acq: 15 May 2025 14:34

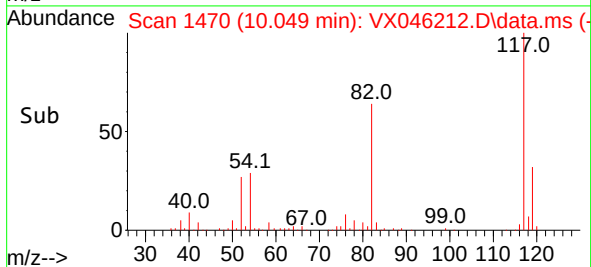
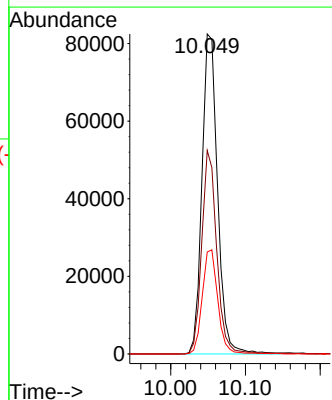
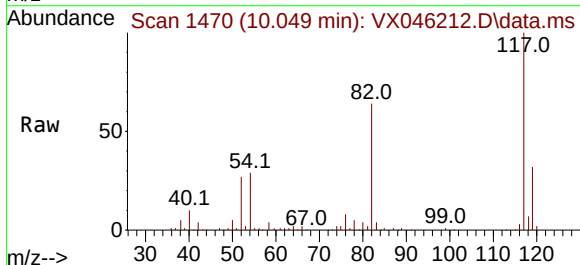
Instrument :  
MSVOA\_X  
ClientSampleId :

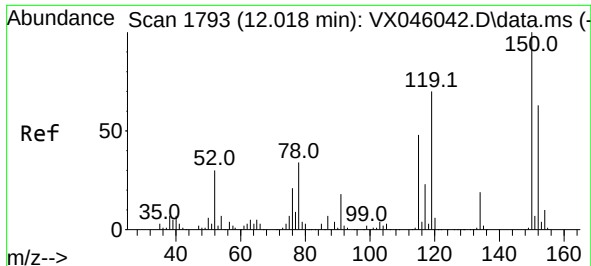
Tgt Ion: 95 Resp: 61266  
Ion Ratio Lower Upper  
95 100  
174 67.4 0.0 135.8  
176 64.5 0.0 131.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VX046212.D  
Acq: 15 May 2025 14:34

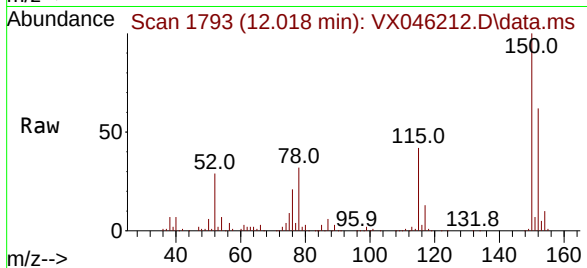
Tgt Ion: 117 Resp: 119578  
Ion Ratio Lower Upper  
117 100  
82 63.6 50.6 76.0  
119 31.9 25.8 38.6



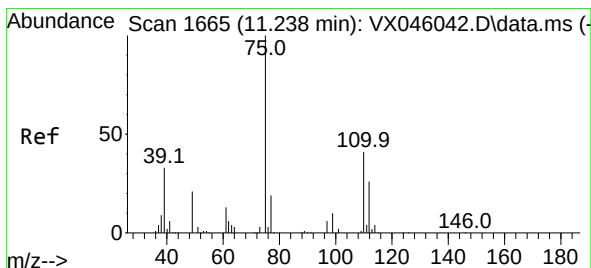
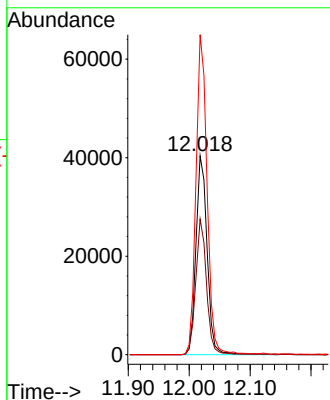
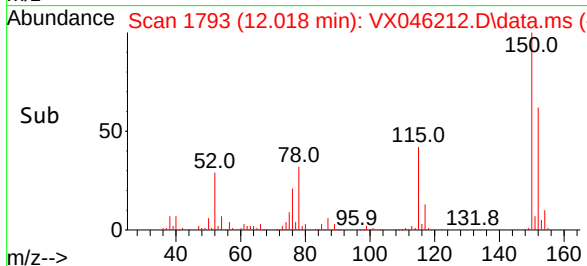


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.018 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX046212.D  
 Acq: 15 May 2025 14:34

Instrument :  
 MSVOA\_X  
 ClientSampleId :

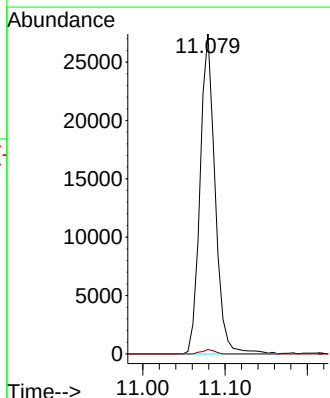
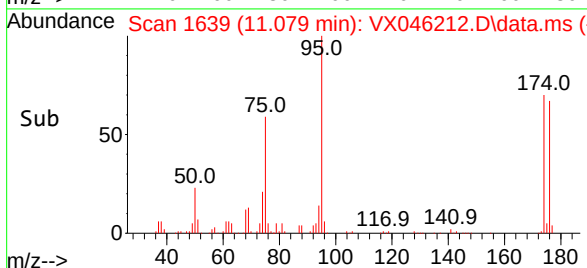
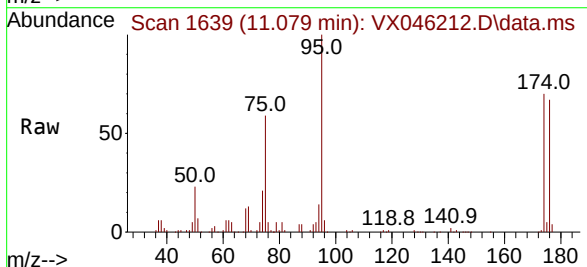


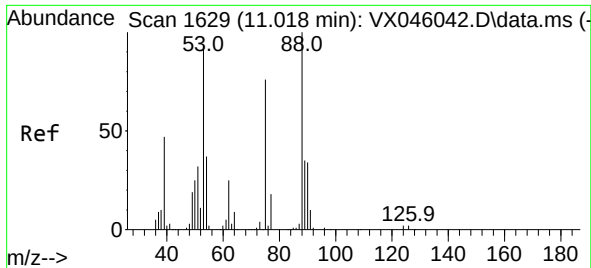
Tgt Ion:152 Resp: 51539  
 Ion Ratio Lower Upper  
 152 100  
 115 65.7 46.9 140.7  
 150 159.3 0.0 351.0



#76  
 1,2,3-Trichloropropane  
 Concen: 28.113 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.159 min  
 Lab File: VX046212.D  
 Acq: 15 May 2025 14:34

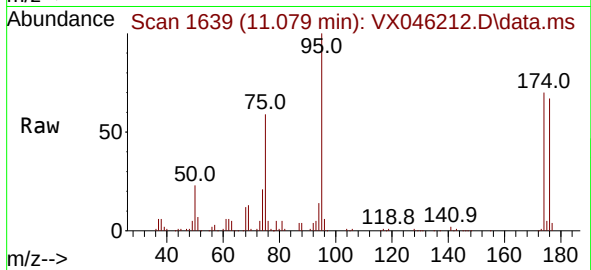
Tgt Ion: 75 Resp: 34876  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 20.5 61.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 91.527 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX046212.D  
 Acq: 15 May 2025 14:34

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 34876  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 100.5 150.7#  
 89 0.0 37.0 55.6#

