

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
 Data File : VX048454.D  
 Acq On : 03 Nov 2025 14:18  
 Operator : JC/MD  
 Sample : Q3510-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 04 00:13:37 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 2025  
 Response via : Initial Calibration

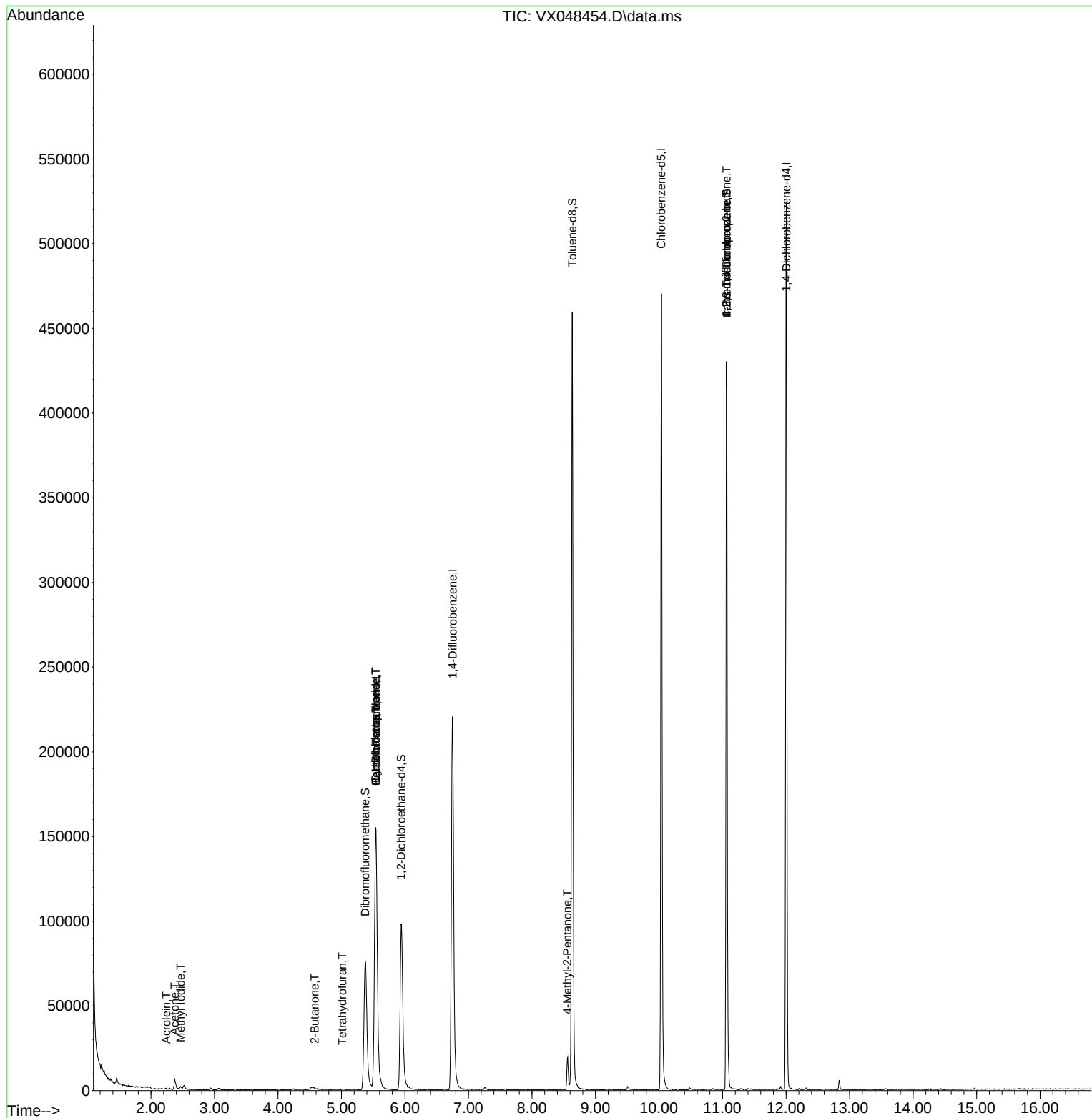
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.543  | 168   | 163899   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.751  | 114   | 238252   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.037 | 117   | 215714   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.006 | 152   | 120385   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.940  | 65    | 112783   | 47.848   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 95.700%  |
| 35) Dibromofluoromethane      | 5.373  | 113   | 78373    | 57.697   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 115.400% |
| 50) Toluene-d8                | 8.634  | 98    | 275469   | 45.941   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 91.880%# |
| 62) 4-Bromofluorobenzene      | 11.061 | 95    | 128025   | 57.076   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 114.160% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 10) Methyl Iodide             | 2.465  | 142   | 2141     | 0.283    | ug/l   | 91       |
| 13) Acrolein                  | 2.239  | 56    | 205      | 0.544    | ug/l # | 70       |
| 16) Acetone                   | 2.373  | 43    | 7770     | 14.544   | ug/l   | 94       |
| 25) 2-Butanone                | 4.574  | 43    | 589      | 0.690    | ug/l # | 50       |
| 29) Tetrahydrofuran           | 5.013  | 42    | 184      | 0.303    | ug/l # | 33       |
| 31) Cyclohexane               | 5.537  | 56    | 2922     | 0.897    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.537  | 75    | 12498    | 5.479    | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.543  | 117   | 16139    | 6.128    | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 8.555  | 43    | 13095    | 7.333    | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 11.061 | 75    | 63804    | 36.853   | ug/l # | 34       |
| 81) trans-1,4-Dichloro-2-b... | 11.061 | 75    | 63804    | 127.535  | ug/l # | 10       |
| -----                         |        |       |          |          |        |          |

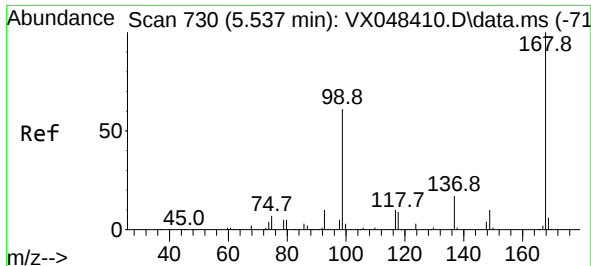
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048454.D  
Acq On : 03 Nov 2025 14:18  
Operator : JC/MD  
Sample : Q3510-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

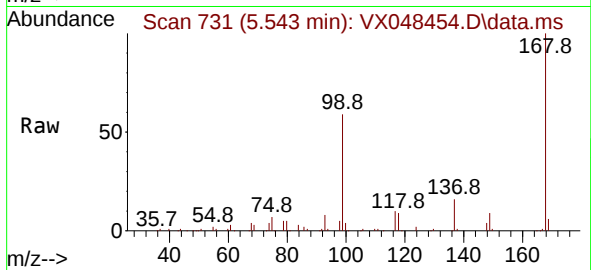
Quant Time: Nov 04 00:13:37 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 2025  
Response via : Initial Calibration



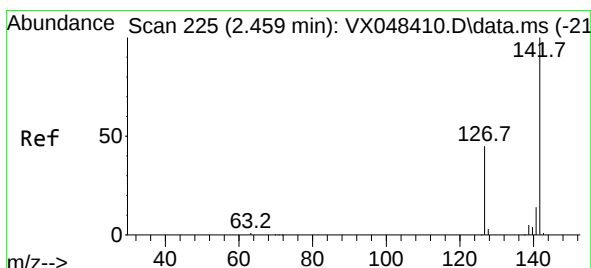
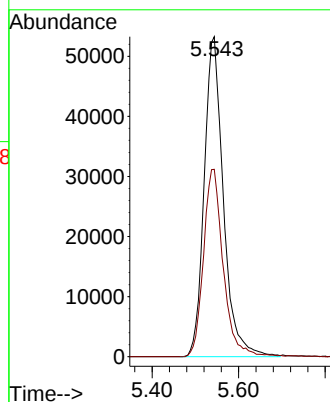
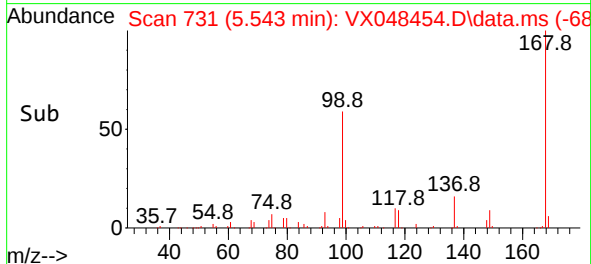


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.543 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX048454.D  
Acq: 03 Nov 2025 14:18

Instrument :  
MSVOA\_X  
ClientSampleId :

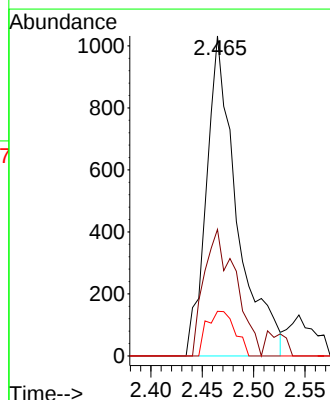
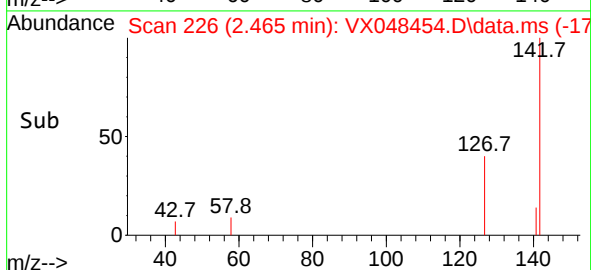
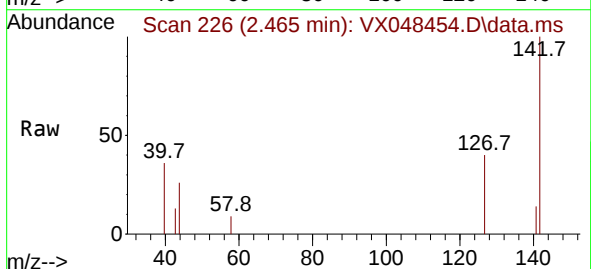


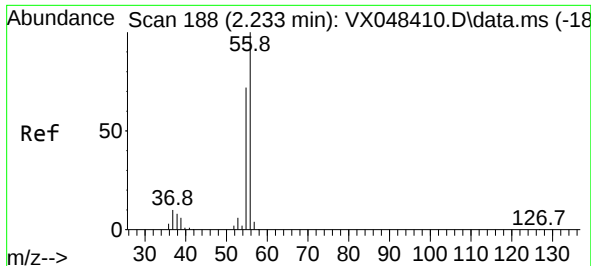
Tgt Ion:168 Resp: 163899  
Ion Ratio Lower Upper  
168 100  
99 58.5 46.4 69.6



#10  
Methyl Iodide  
Concen: 0.283 ug/l  
RT: 2.465 min Scan# 226  
Delta R.T. 0.006 min  
Lab File: VX048454.D  
Acq: 03 Nov 2025 14:18

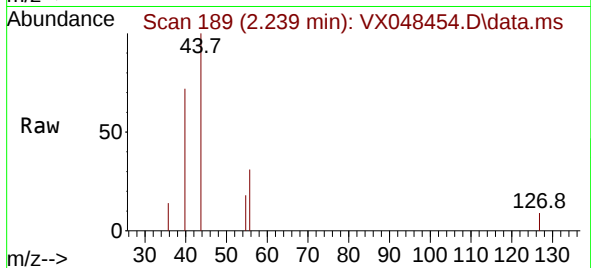
Tgt Ion:142 Resp: 2141  
Ion Ratio Lower Upper  
142 100  
127 40.9 38.5 57.7  
141 12.8 11.6 17.4



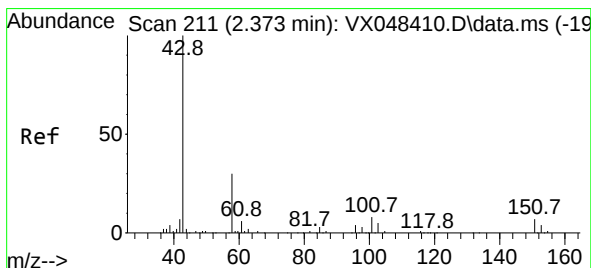
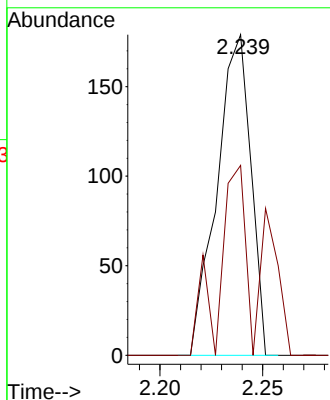
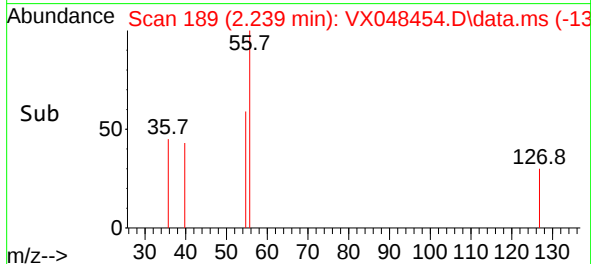


#13  
Acrolein  
Concen: 0.544 ug/l  
RT: 2.239 min Scan# 189  
Delta R.T. 0.006 min  
Lab File: VX048454.D  
Acq: 03 Nov 2025 14:18

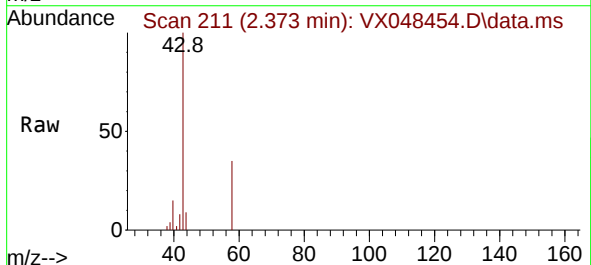
Instrument :  
MSVOA\_X  
ClientSampleId :



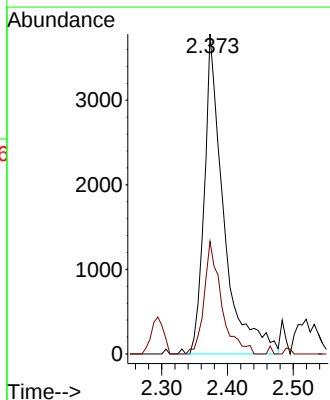
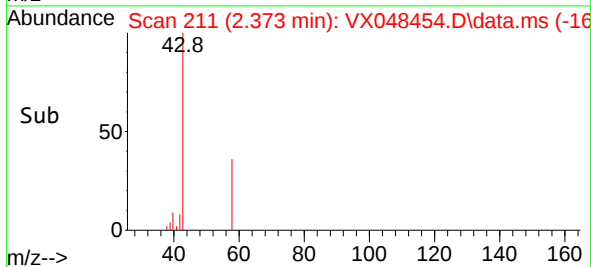
Tgt Ion: 56 Resp: 205  
Ion Ratio Lower Upper  
56 100  
55 45.9 56.1 84.1#

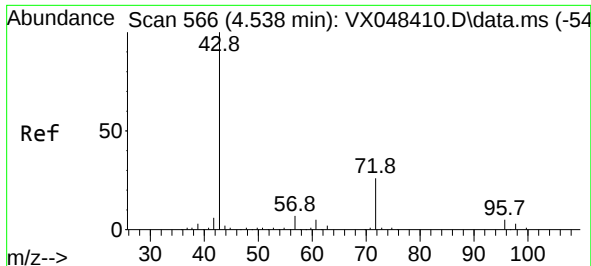


#16  
Acetone  
Concen: 14.544 ug/l  
RT: 2.373 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VX048454.D  
Acq: 03 Nov 2025 14:18



Tgt Ion: 43 Resp: 7770  
Ion Ratio Lower Upper  
43 100  
58 32.3 23.4 35.2





#25

2-Butanone

Concen: 0.690 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.036 min

Lab File: VX048454.D

Acq: 03 Nov 2025 14:18

Instrument :

MSVOA\_X

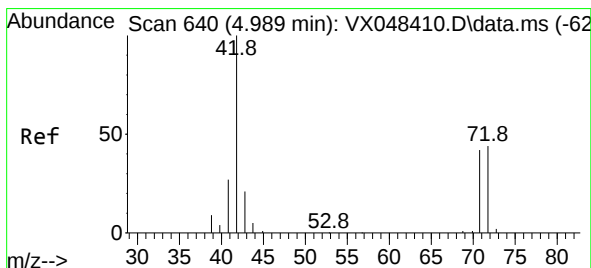
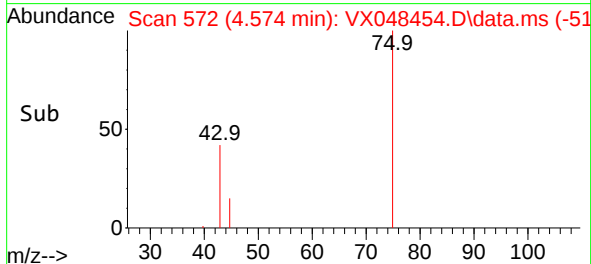
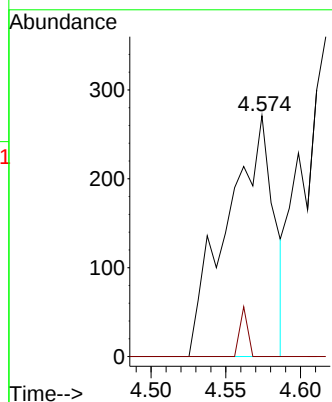
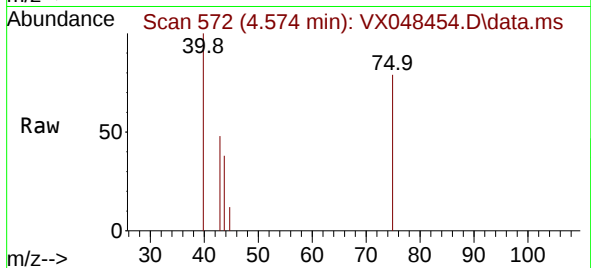
ClientSampleId :

Tgt Ion: 43 Resp: 589

Ion Ratio Lower Upper

43 100

72 0.0 19.9 29.9#



#29

Tetrahydrofuran

Concen: 0.303 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.024 min

Lab File: VX048454.D

Acq: 03 Nov 2025 14:18

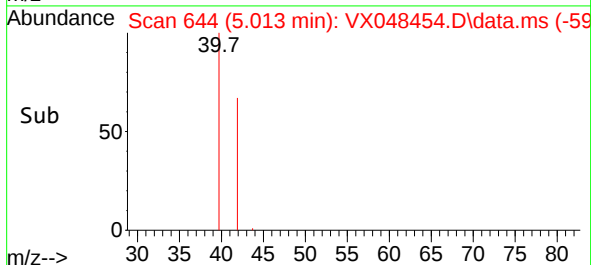
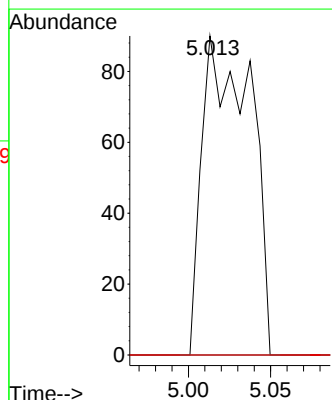
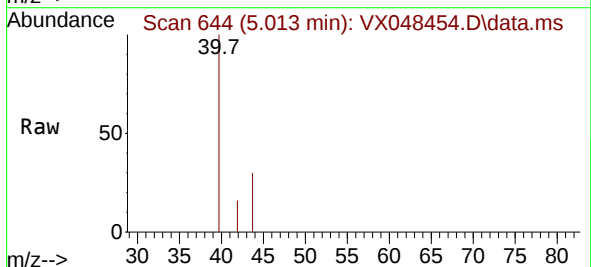
Tgt Ion: 42 Resp: 184

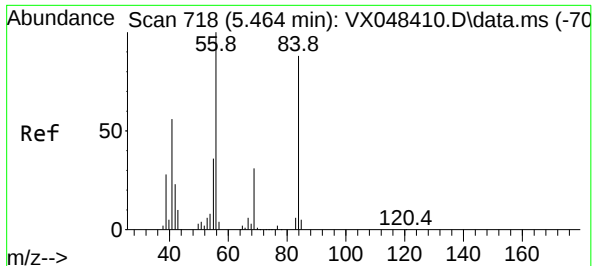
Ion Ratio Lower Upper

42 100

72 0.0 35.3 52.9#

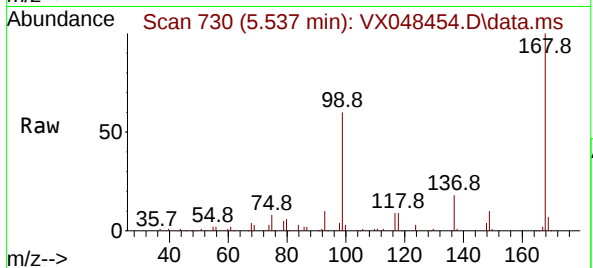
71 0.0 32.2 48.4#





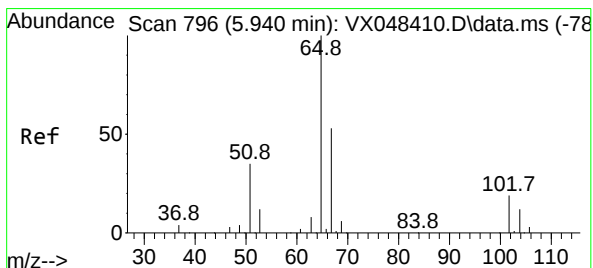
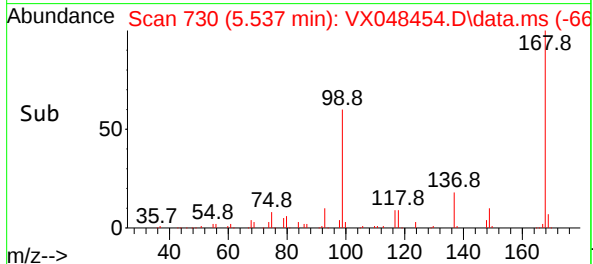
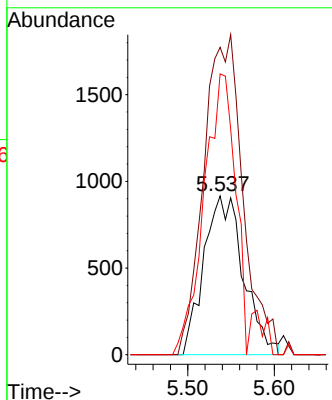
#31  
Cyclohexane  
Concen: 0.897 ug/l  
RT: 5.537 min Scan# 718  
Delta R.T. 0.073 min  
Lab File: VX048454.D  
Acq: 03 Nov 2025 14:18

Instrument :  
MSVOA\_X  
ClientSampleId :



Tgt Ion: 56 Resp: 2922

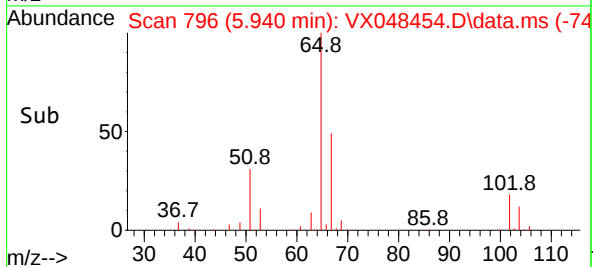
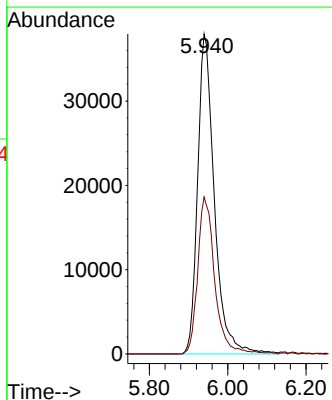
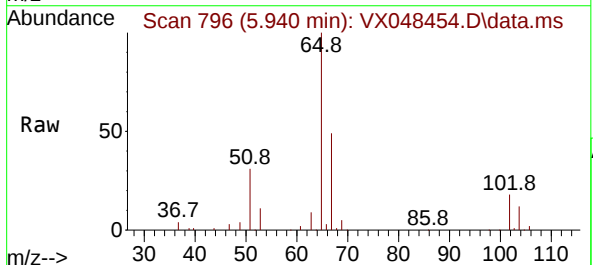
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 193.6 | 23.0  | 34.6# |
| 84  | 176.9 | 64.6  | 97.0# |

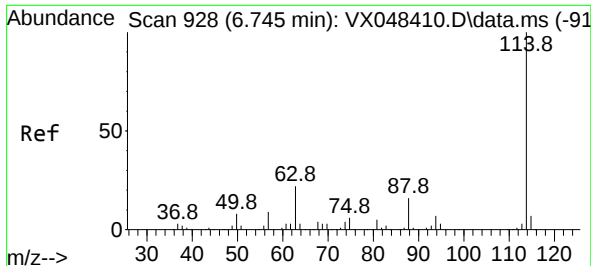


#33  
1,2-Dichloroethane-d4  
Concen: 47.848 ug/l  
RT: 5.940 min Scan# 796  
Delta R.T. -0.000 min  
Lab File: VX048454.D  
Acq: 03 Nov 2025 14:18

Tgt Ion: 65 Resp: 112783

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 50.0  | 0.0   | 105.0 |

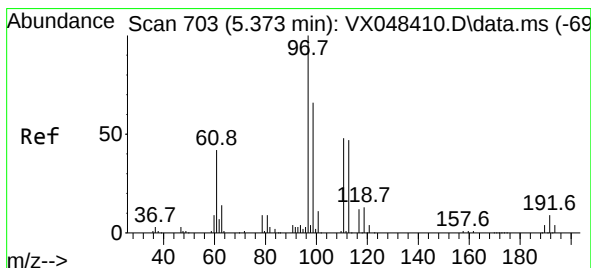
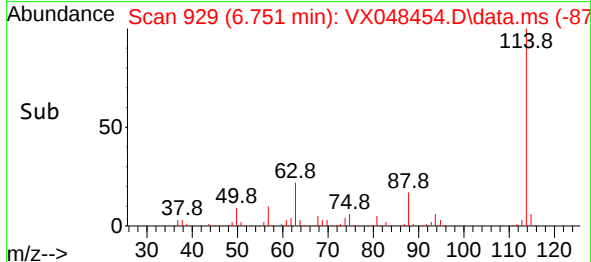
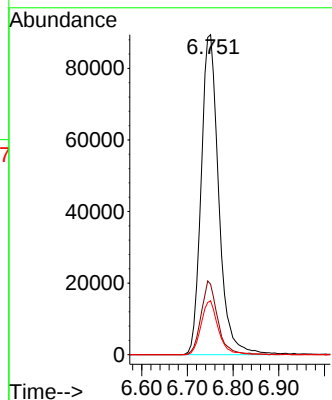
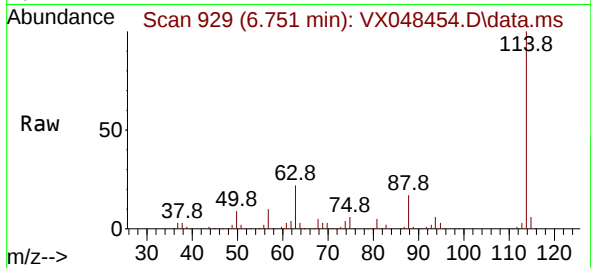




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.751 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VX048454.D  
Acq: 03 Nov 2025 14:18

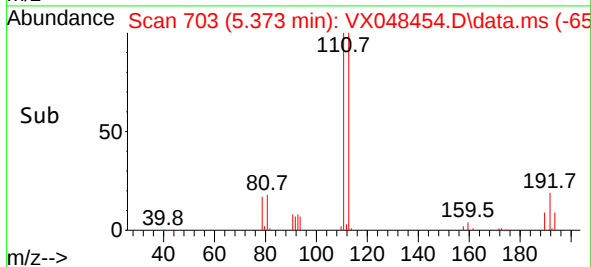
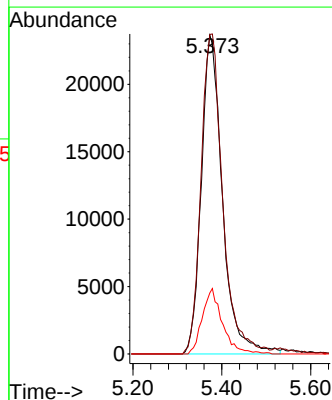
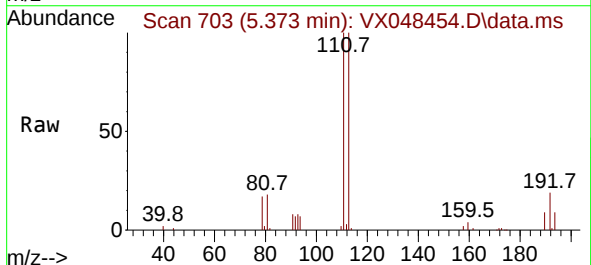
Instrument :  
MSVOA\_X  
ClientSampleId :

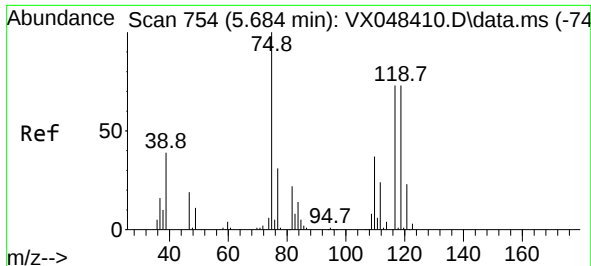
Tgt Ion:114 Resp: 238252  
Ion Ratio Lower Upper  
114 100  
63 22.0 0.0 43.2  
88 16.9 0.0 33.6



#35  
Dibromofluoromethane  
Concen: 57.697 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. -0.000 min  
Lab File: VX048454.D  
Acq: 03 Nov 2025 14:18

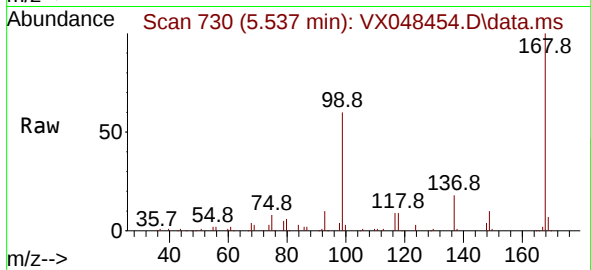
Tgt Ion:113 Resp: 78373  
Ion Ratio Lower Upper  
113 100  
111 102.7 82.2 123.4  
192 19.6 15.1 22.7



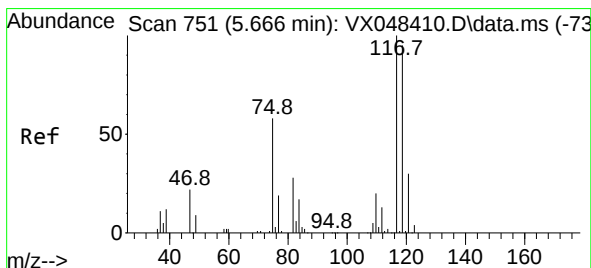
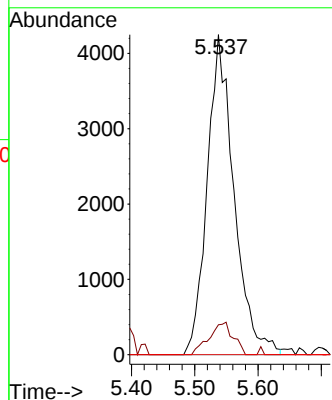
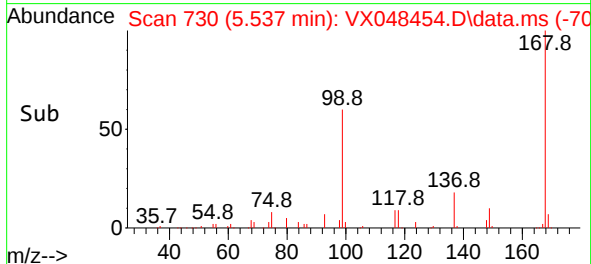


#36  
1,1-Dichloropropene  
Concen: 5.479 ug/l  
RT: 5.537 min Scan# 711  
Delta R.T. -0.146 min  
Lab File: VX048454.D  
Acq: 03 Nov 2025 14:18

Instrument :  
MSVOA\_X  
ClientSampleId :

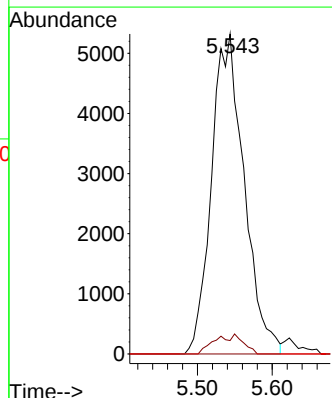
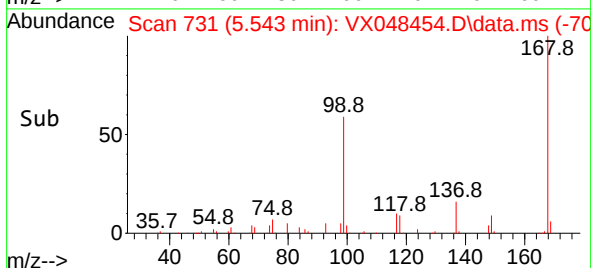
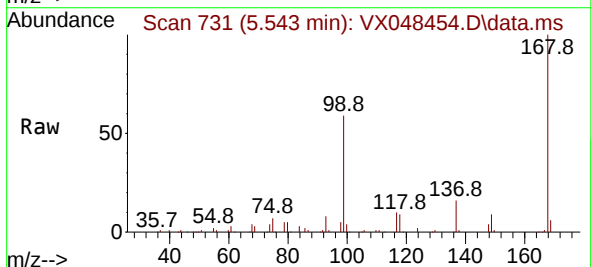


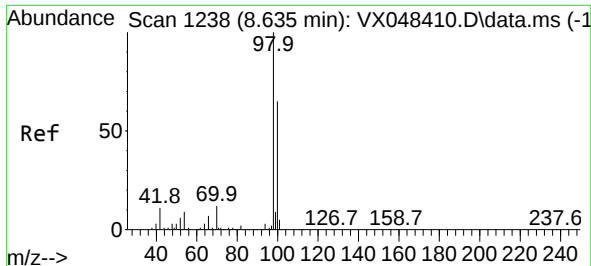
Tgt Ion: 75 Resp: 12498  
Ion Ratio Lower Upper  
75 100  
110 9.1 17.7 53.1#  
77 0.0 24.3 36.5#



#38  
Carbon Tetrachloride  
Concen: 6.128 ug/l  
RT: 5.543 min Scan# 731  
Delta R.T. -0.122 min  
Lab File: VX048454.D  
Acq: 03 Nov 2025 14:18

Tgt Ion: 117 Resp: 16139  
Ion Ratio Lower Upper  
117 100  
119 4.2 77.2 115.8#  
121 0.0 24.8 37.2#

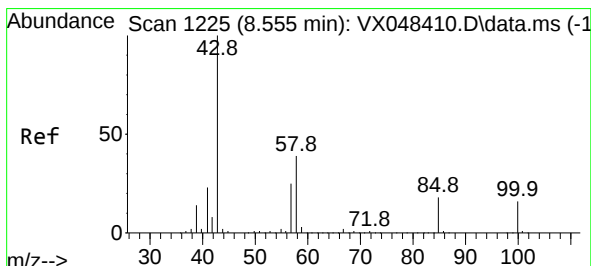
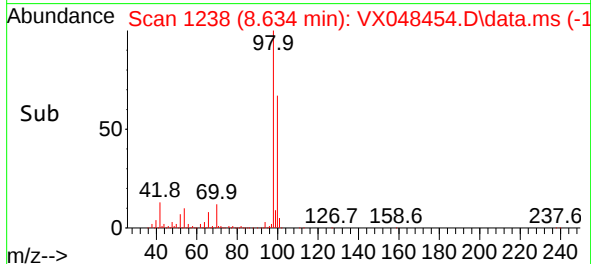
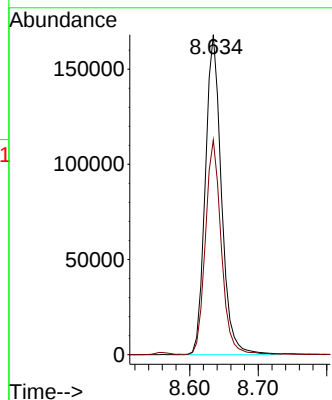
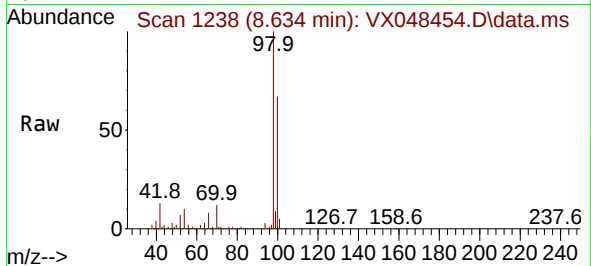




#50  
Toluene-d8  
Concen: 45.941 ug/l  
RT: 8.634 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX048454.D  
Acq: 03 Nov 2025 14:18

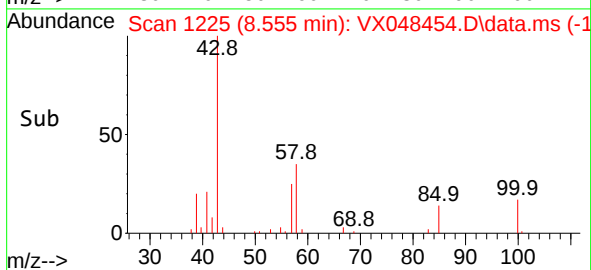
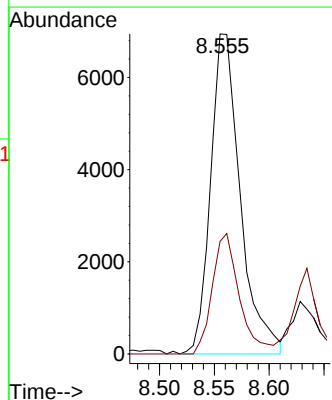
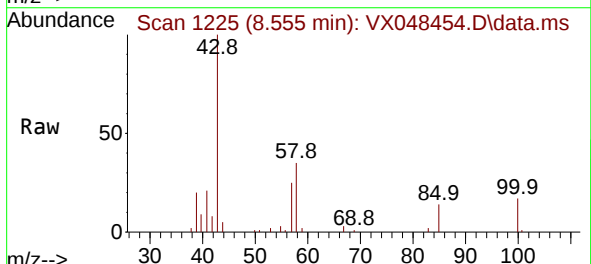
Instrument :  
MSVOA\_X  
ClientSampleId :

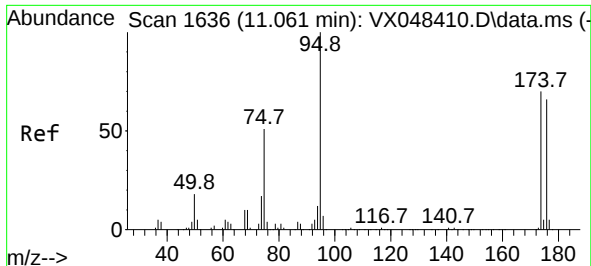
Tgt Ion: 98 Resp: 275469  
Ion Ratio Lower Upper  
98 100  
100 65.7 53.0 79.4



#51  
4-Methyl-2-Pentanone  
Concen: 7.333 ug/l  
RT: 8.555 min Scan# 1225  
Delta R.T. -0.000 min  
Lab File: VX048454.D  
Acq: 03 Nov 2025 14:18

Tgt Ion: 43 Resp: 13095  
Ion Ratio Lower Upper  
43 100  
58 34.4 29.5 44.3

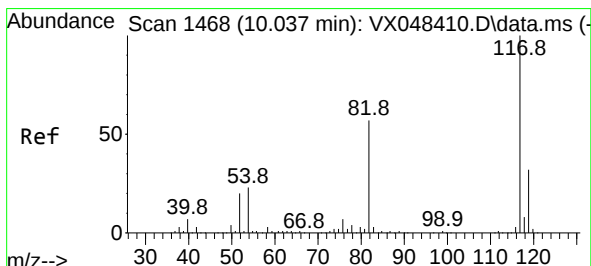
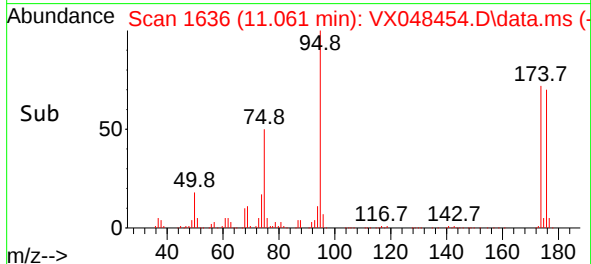
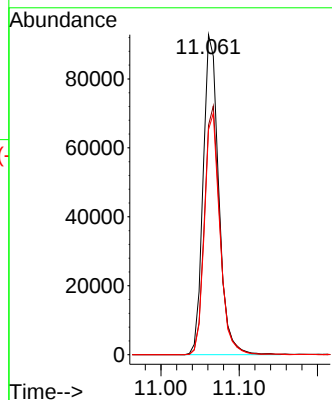
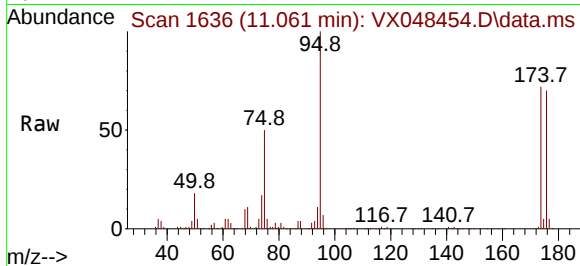




#62  
4-Bromofluorobenzene  
Concen: 57.076 ug/l  
RT: 11.061 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX048454.D  
Acq: 03 Nov 2025 14:18

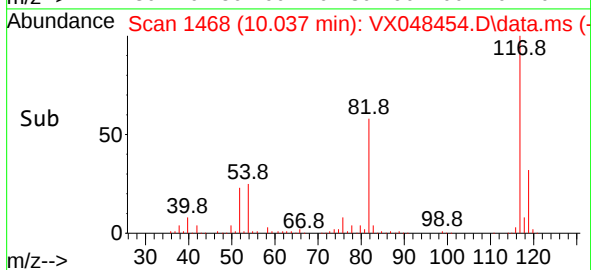
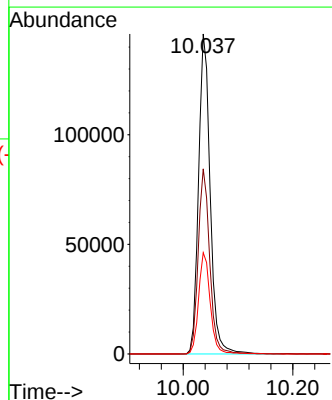
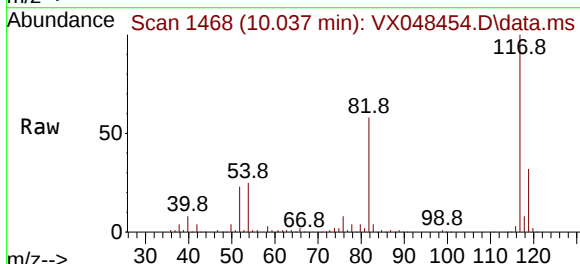
Instrument :  
MSVOA\_X  
ClientSampleId :

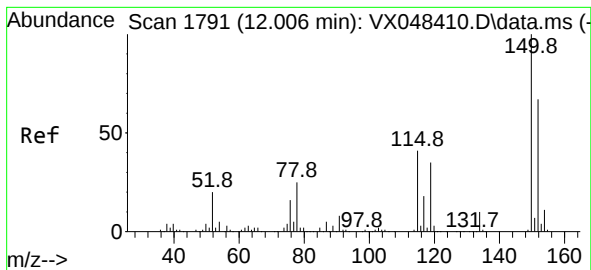
Tgt Ion: 95 Resp: 128025  
Ion Ratio Lower Upper  
95 100  
174 77.8 0.0 147.8  
176 74.8 0.0 142.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.037 min Scan# 1468  
Delta R.T. -0.000 min  
Lab File: VX048454.D  
Acq: 03 Nov 2025 14:18

Tgt Ion: 117 Resp: 215714  
Ion Ratio Lower Upper  
117 100  
82 57.9 46.5 69.7  
119 31.7 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048454.D

Acq: 03 Nov 2025 14:18

Instrument :

MSVOA\_X

ClientSampleId :

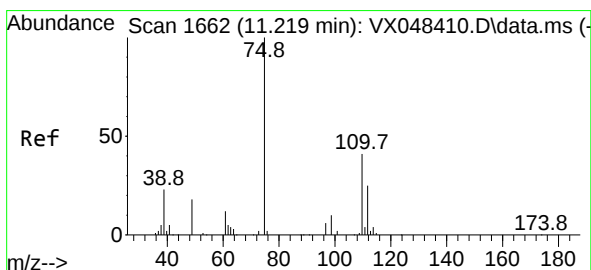
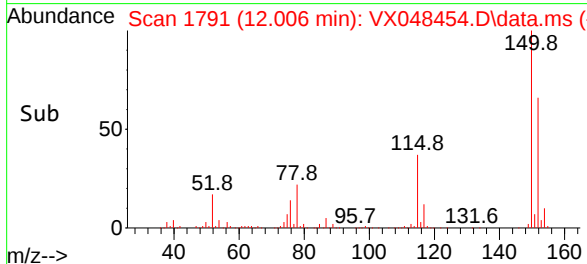
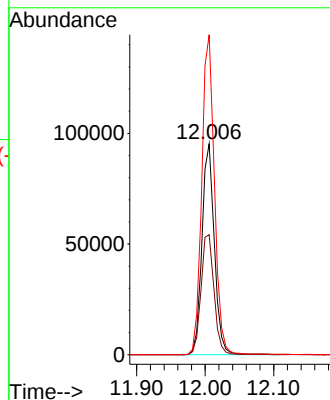
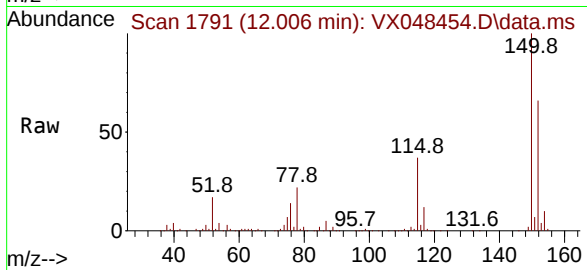
Tgt Ion:152 Resp: 120385

Ion Ratio Lower Upper

152 100

115 59.6 43.1 129.4

150 154.6 0.0 353.0



#76

1,2,3-Trichloropropane

Concen: 36.853 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX048454.D

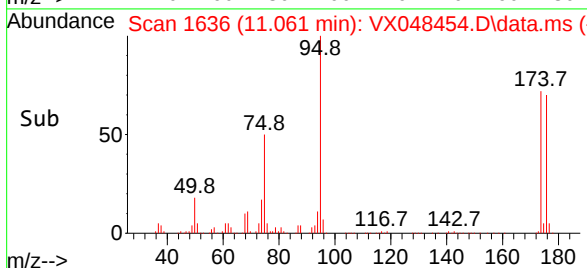
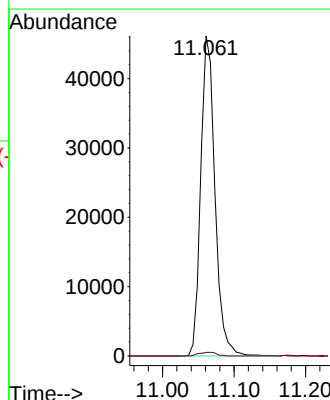
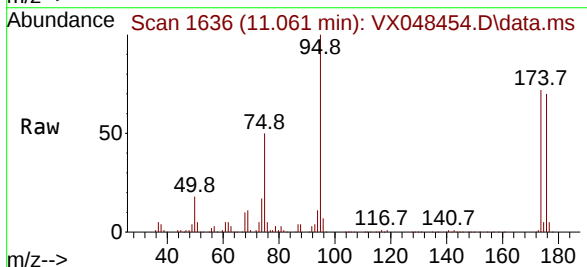
Acq: 03 Nov 2025 14:18

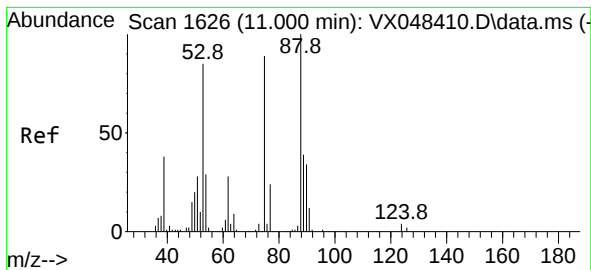
Tgt Ion: 75 Resp: 63804

Ion Ratio Lower Upper

75 100

77 1.4 22.4 67.2#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 127.535 ug/l  
 RT: 11.061 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX048454.D  
 Acq: 03 Nov 2025 14:18

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Tgt Ion: 75 Resp: 63804  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 79.5 119.3#  
 89 0.0 36.8 55.2#

