

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072425\  
 Data File : VX047124.D  
 Acq On : 24 Jul 2025 16:37  
 Operator : JC/MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jul 25 01:26:14 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072125W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 22 03:59:51 2025  
 Response via : Initial Calibration

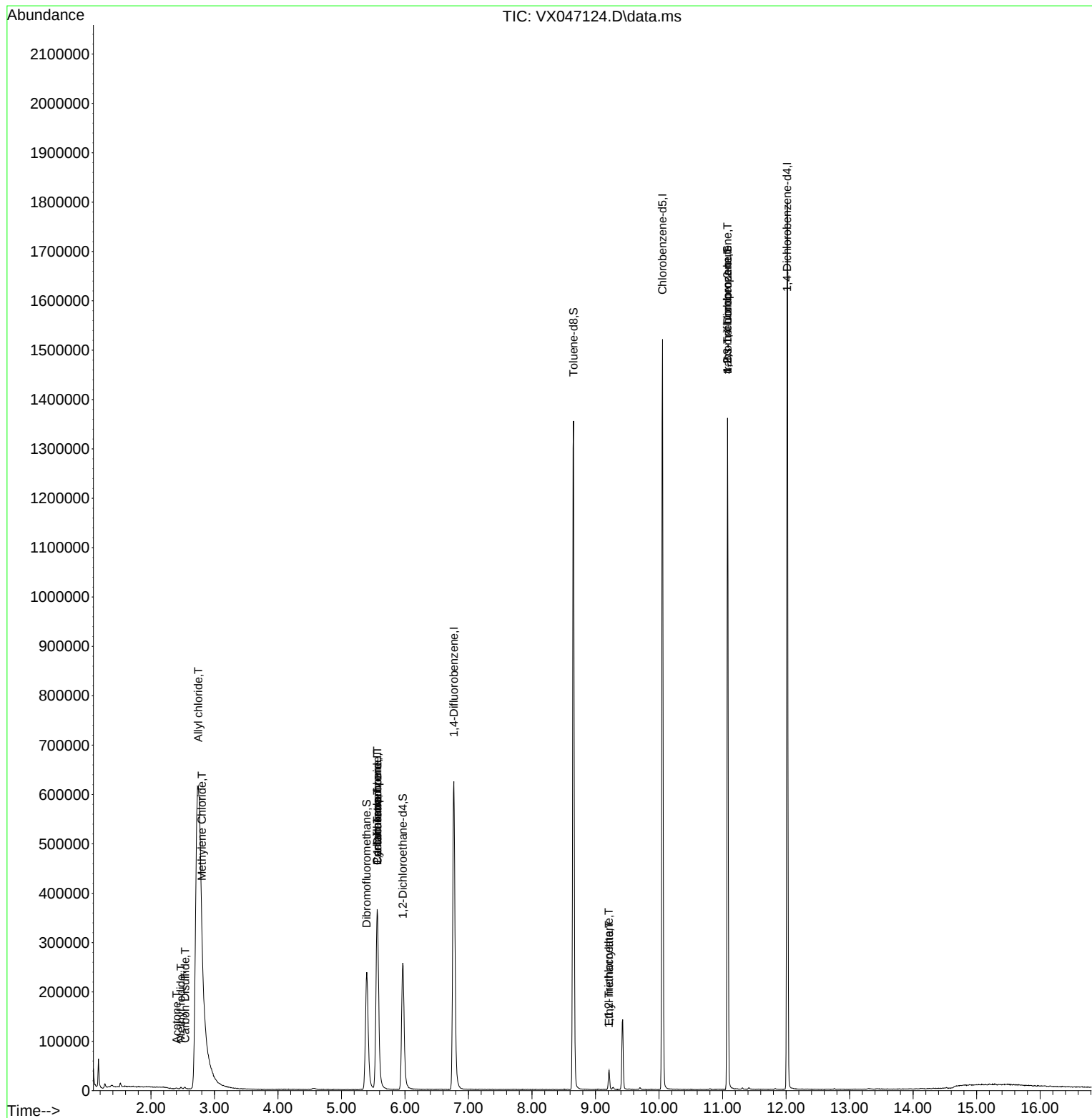
| Compound                      | R.T.   | QIon           | Response | Conc        | Units  | Dev(Min) |
|-------------------------------|--------|----------------|----------|-------------|--------|----------|
| -----                         |        |                |          |             |        |          |
| Internal Standards            |        |                |          |             |        |          |
| 1) Pentafluorobenzene         | 5.562  | 168            | 356374   | 50.000      | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114            | 660591   | 50.000      | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117            | 656103   | 50.000      | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152            | 342547   | 50.000      | ug/l   | 0.00     |
| System Monitoring Compounds   |        |                |          |             |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65             | 272537   | 61.392      | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 78 - 117 | Recovery | = 122.780%# |        |          |
| 35) Dibromofluoromethane      | 5.397  | 113            | 222488   | 54.549      | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 75 - 124 | Recovery | = 109.100%  |        |          |
| 50) Toluene-d8                | 8.653  | 98             | 813959   | 61.622      | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 92 - 112 | Recovery | = 123.240%# |        |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95             | 354390   | 62.258      | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 83 - 123 | Recovery | = 124.520%# |        |          |
| Target Compounds              |        |                |          |             |        |          |
|                               |        |                |          |             | Qvalue |          |
| 10) Methyl Iodide             | 2.471  | 142            | 3778     | 0.820       | ug/l   | 97       |
| 11) Tert butyl alcohol        | 2.965  | 59             | 1381     | Below Cal   | #      | 72       |
| 14) Allyl chloride            | 2.745  | 41             | 2397993  | 296.206     | ug/l # | 42       |
| 16) Acetone                   | 2.404  | 43             | 1418     | 0.797       | ug/l # | 37       |
| 17) Carbon Disulfide          | 2.538  | 76             | 3952     | 0.305       | ug/l   | 96       |
| 20) Methylene Chloride        | 2.800  | 84             | 1364     | 0.279       | ug/l # | 89       |
| 31) Cyclohexane               | 5.562  | 56             | 8139     | 0.981       | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.562  | 75             | 30214    | 4.346       | ug/l # | 45       |
| 38) Carbon Tetrachloride      | 5.562  | 117            | 38930    | 5.246       | ug/l # | 17       |
| 55) 1,1,2-Trichloroethane     | 9.208  | 97             | 1112     | 0.240       | ug/l # | 1        |
| 56) Ethyl methacrylate        | 9.214  | 69             | 10621    | 1.546       | ug/l # | 30       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75             | 187223   | 29.529      | ug/l # | 35       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75             | 187223   | 76.078      | ug/l # | 8        |
| -----                         |        |                |          |             |        |          |

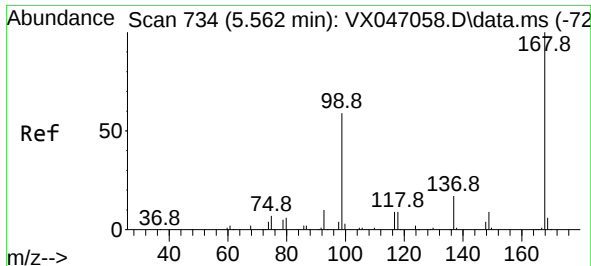
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072425\  
Data File : VX047124.D  
Acq On : 24 Jul 2025 16:37  
Operator : JC/MD  
Sample : IBLK  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Jul 25 01:26:14 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072125W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 22 03:59:51 2025  
Response via : Initial Calibration



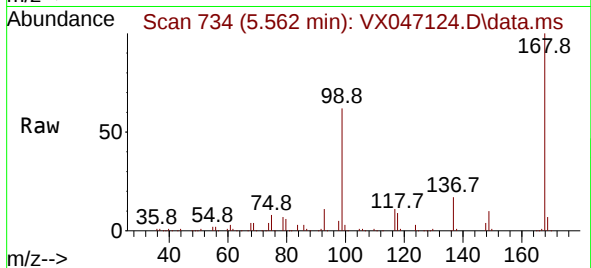


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VX047124.D  
Acq: 24 Jul 2025 16:37

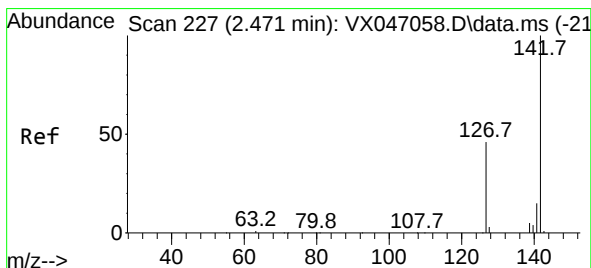
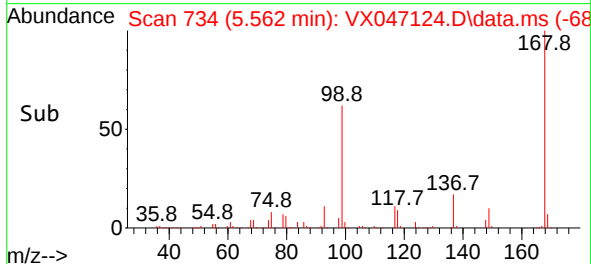
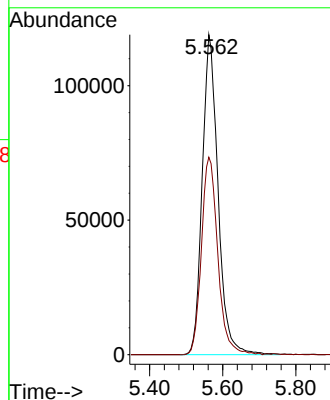
Instrument :

MSVOA\_X

ClientSampleId :

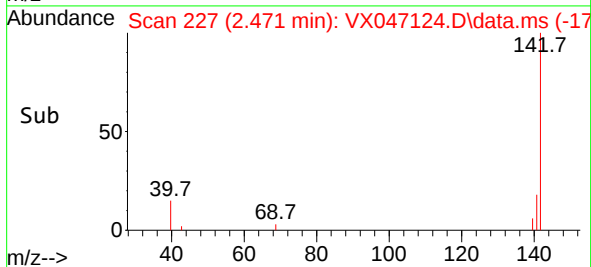
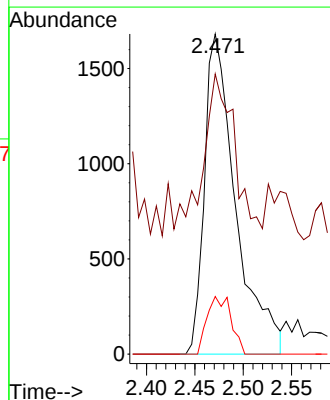
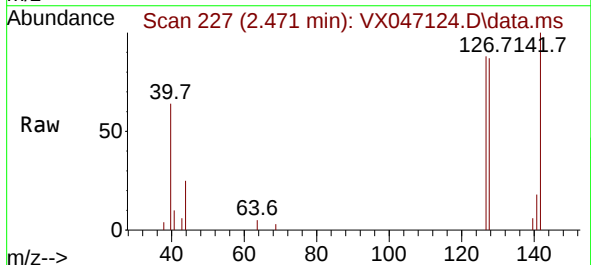


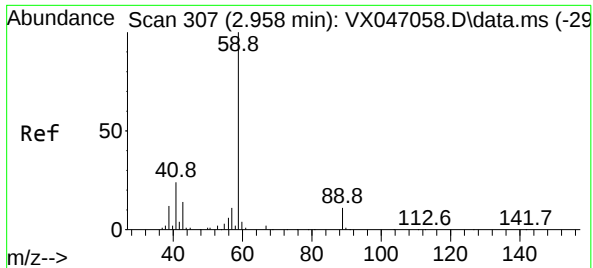
Tgt Ion:168 Resp: 356374  
Ion Ratio Lower Upper  
168 100  
99 61.7 48.0 72.0



#10  
Methyl Iodide  
Concen: 0.820 ug/l  
RT: 2.471 min Scan# 227  
Delta R.T. 0.000 min  
Lab File: VX047124.D  
Acq: 24 Jul 2025 16:37

Tgt Ion:142 Resp: 3778  
Ion Ratio Lower Upper  
142 100  
127 43.1 36.6 54.8  
141 13.9 10.9 16.3

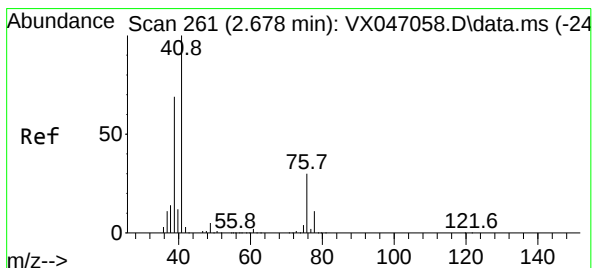
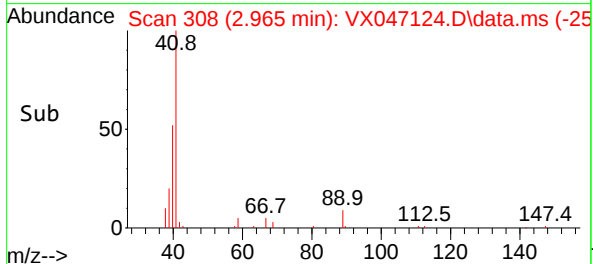
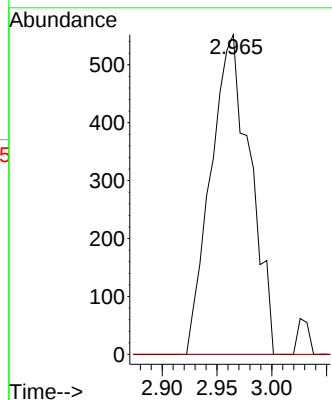
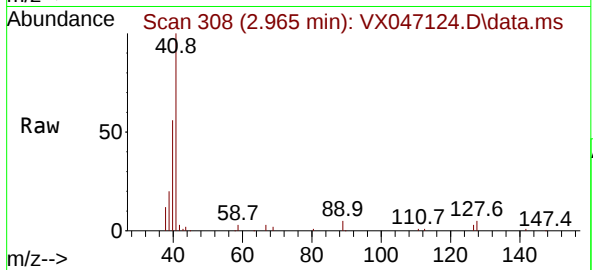




#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 2.965 min Scan# 307  
Delta R.T. 0.007 min  
Lab File: VX047124.D  
Acq: 24 Jul 2025 16:37

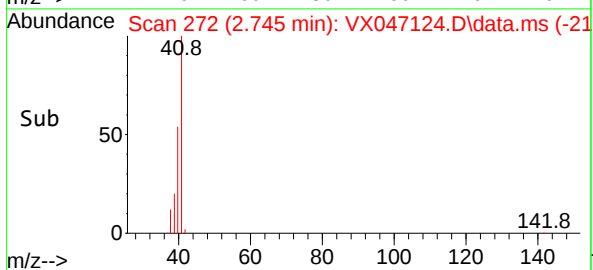
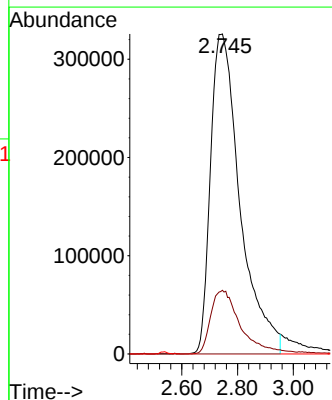
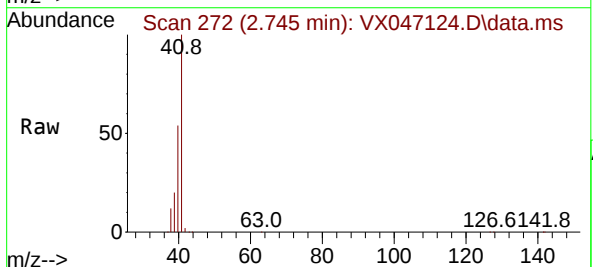
Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 59 Resp: 1381  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.5 12.7#



#14  
Allyl chloride  
Concen: 296.206 ug/l  
RT: 2.745 min Scan# 272  
Delta R.T. 0.067 min  
Lab File: VX047124.D  
Acq: 24 Jul 2025 16:37

Tgt Ion: 41 Resp: 2397993  
Ion Ratio Lower Upper  
41 100  
39 19.7 52.6 78.8#  
76 0.0 25.7 38.5#

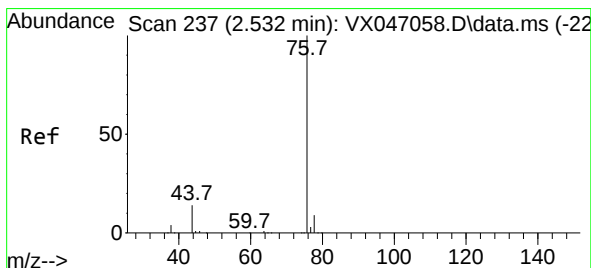
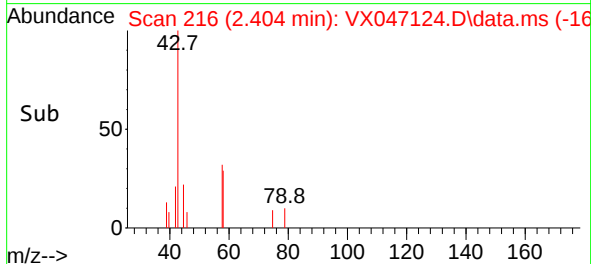
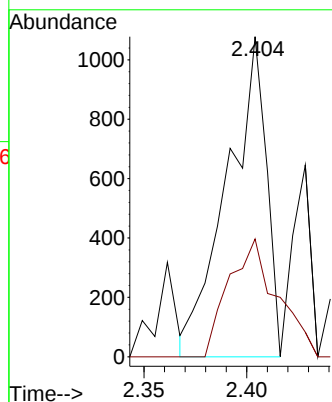
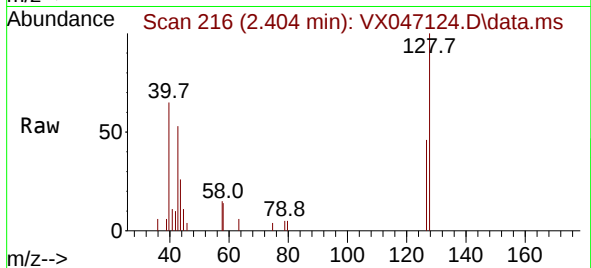




#16  
Acetone  
Concen: 0.797 ug/l  
RT: 2.404 min Scan# 213  
Delta R.T. 0.019 min  
Lab File: VX047124.D  
Acq: 24 Jul 2025 16:37

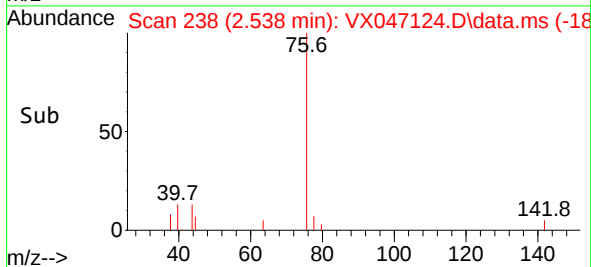
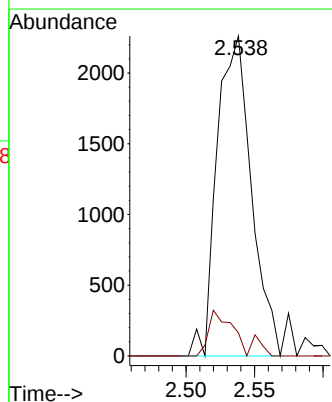
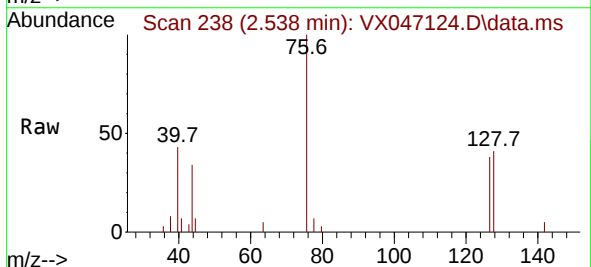
Instrument :  
MSVOA\_X  
ClientSampleId :

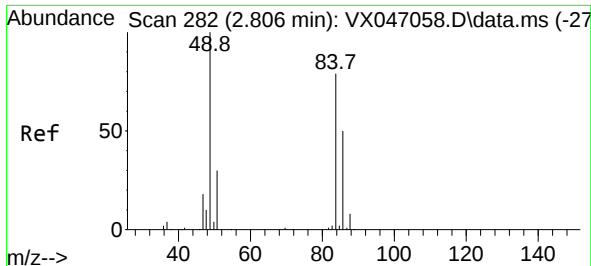
Tgt Ion: 43 Resp: 1418  
Ion Ratio Lower Upper  
43 100  
58 63.9 24.0 36.0#



#17  
Carbon Disulfide  
Concen: 0.305 ug/l  
RT: 2.538 min Scan# 238  
Delta R.T. 0.007 min  
Lab File: VX047124.D  
Acq: 24 Jul 2025 16:37

Tgt Ion: 76 Resp: 3952  
Ion Ratio Lower Upper  
76 100  
78 7.3 7.0 10.4

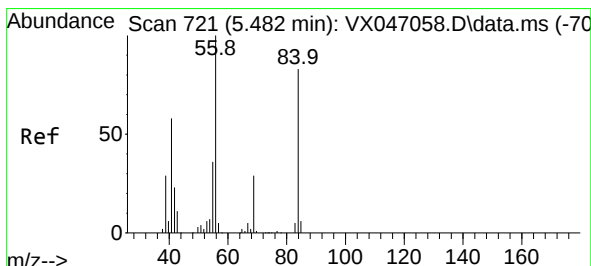
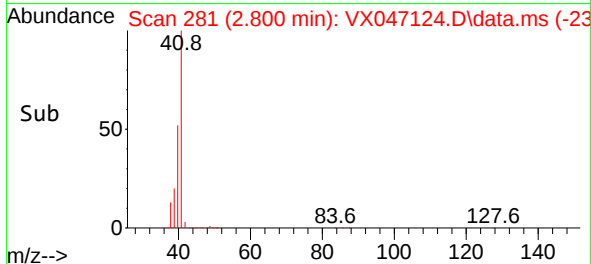
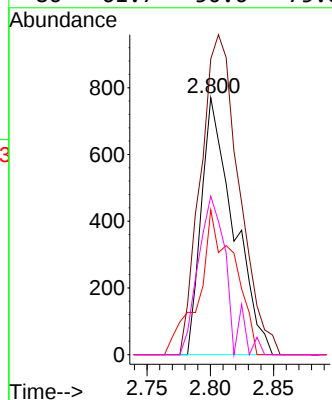
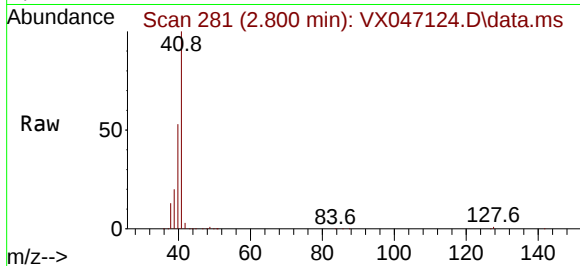




#20  
Methylene Chloride  
Concen: 0.279 ug/l  
RT: 2.800 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VX047124.D  
Acq: 24 Jul 2025 16:37

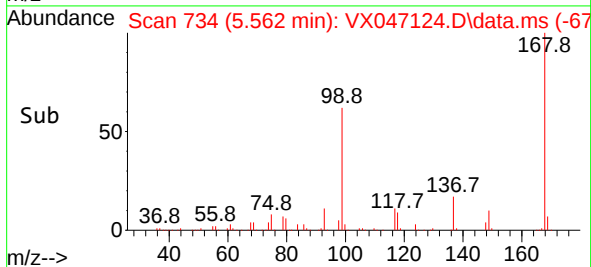
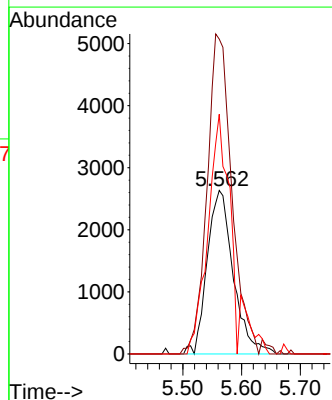
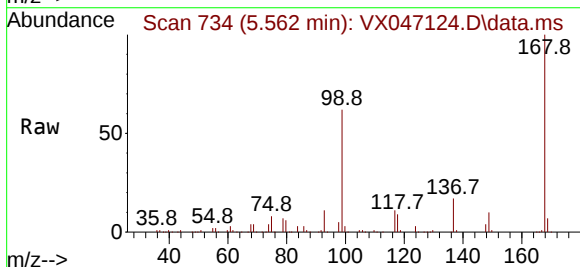
Instrument :  
MSVOA\_X  
ClientSampleId :

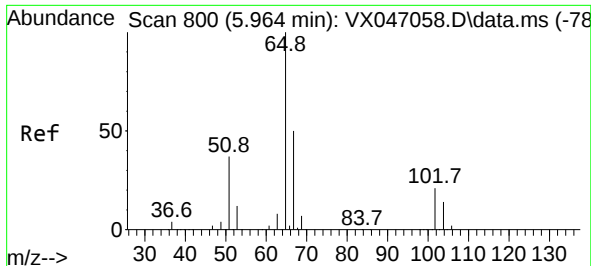
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 1364  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 115.1 | 101.6 | 152.4 |
| 51       | 56.4  | 30.3  | 45.5# |
| 86       | 61.7  | 50.6  | 75.8  |



#31  
Cyclohexane  
Concen: 0.981 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.080 min  
Lab File: VX047124.D  
Acq: 24 Jul 2025 16:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 8139  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 192.6 | 23.3  | 34.9# |
| 84       | 146.6 | 66.5  | 99.7# |





#33

1,2-Dichloroethane-d4

Concen: 61.392 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047124.D

Acq: 24 Jul 2025 16:37

Instrument :

MSVOA\_X

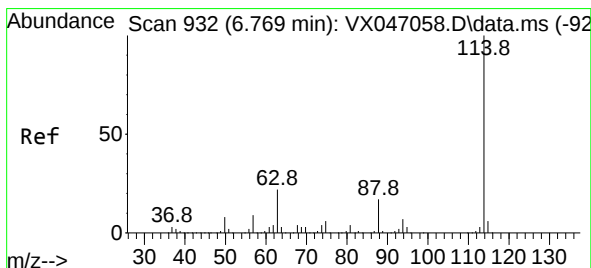
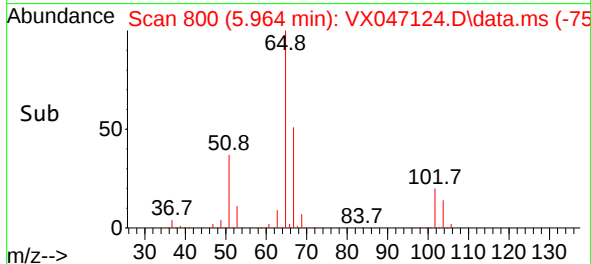
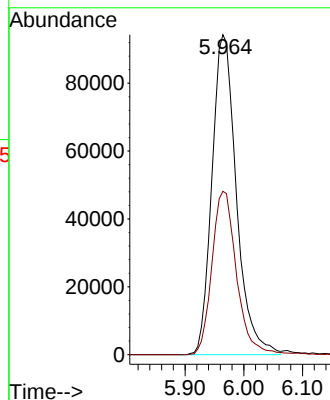
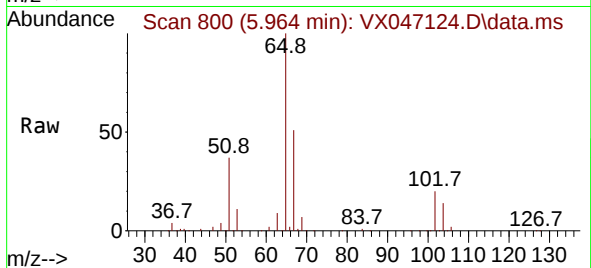
ClientSampleId :

Tgt Ion: 65 Resp: 272537

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX047124.D

Acq: 24 Jul 2025 16:37

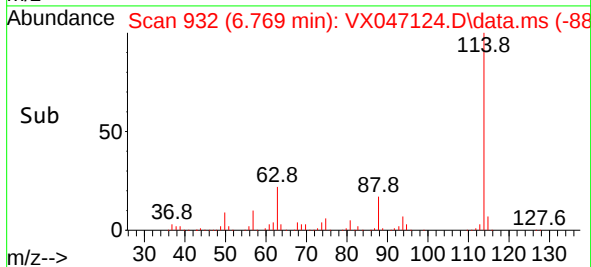
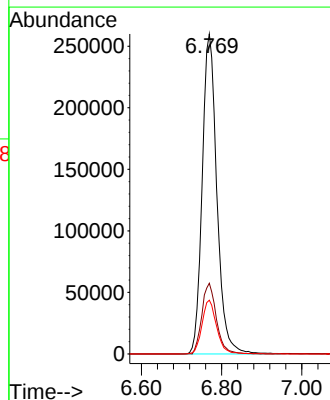
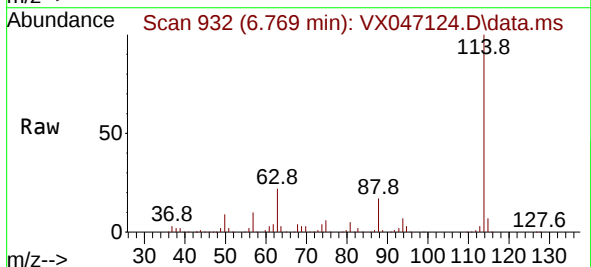
Tgt Ion: 114 Resp: 660591

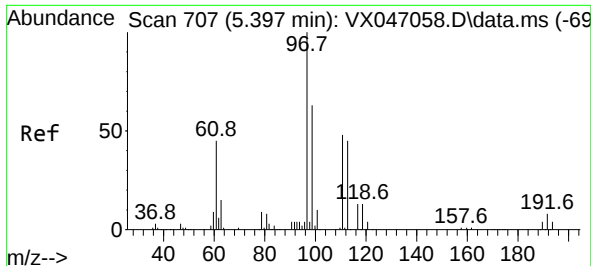
Ion Ratio Lower Upper

114 100

63 25.2 0.0 43.2

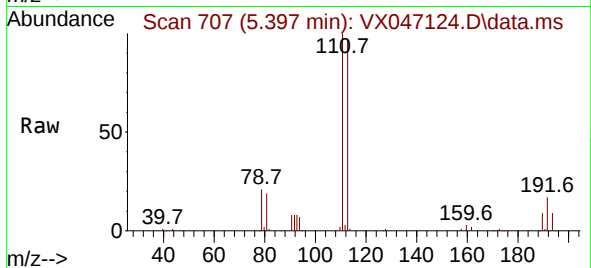
88 16.8 0.0 33.8



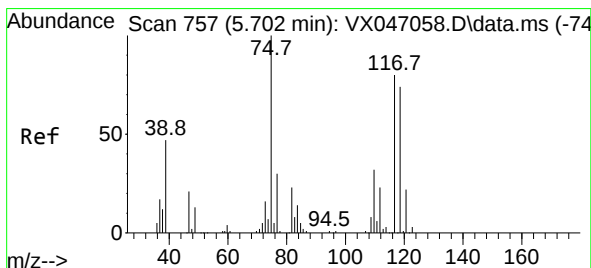
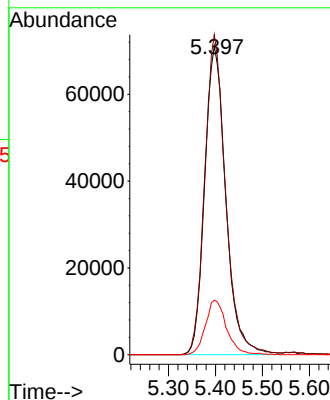
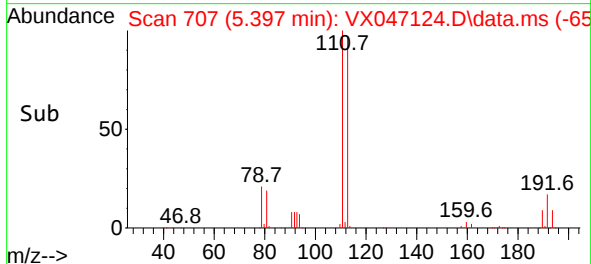


#35  
Dibromofluoromethane  
Concen: 54.549 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX047124.D  
Acq: 24 Jul 2025 16:37

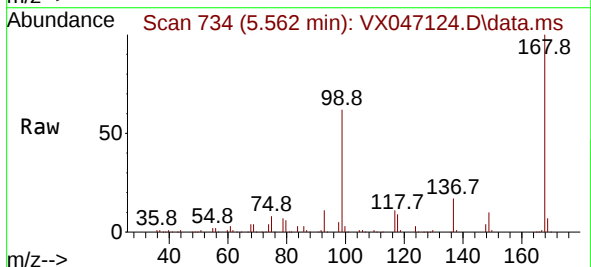
Instrument :  
MSVOA\_X  
ClientSampleId :



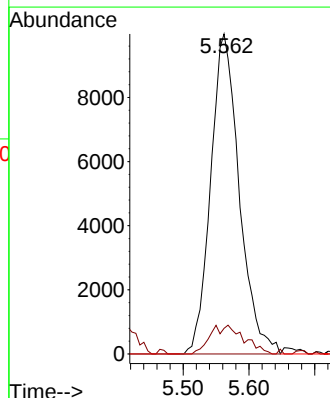
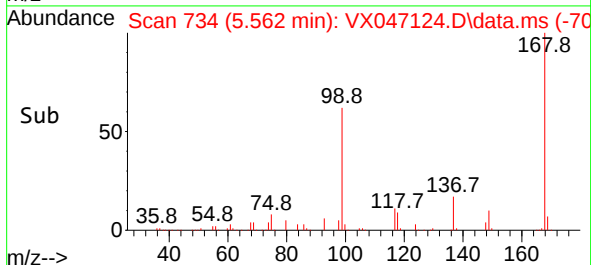
Tgt Ion:113 Resp: 222488  
Ion Ratio Lower Upper  
113 100  
111 102.1 82.6 124.0  
192 17.7 14.9 22.3

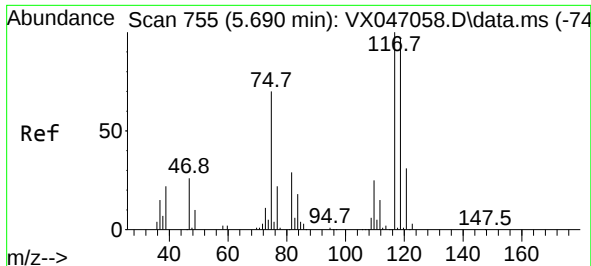


#36  
1,1-Dichloropropene  
Concen: 4.346 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.140 min  
Lab File: VX047124.D  
Acq: 24 Jul 2025 16:37



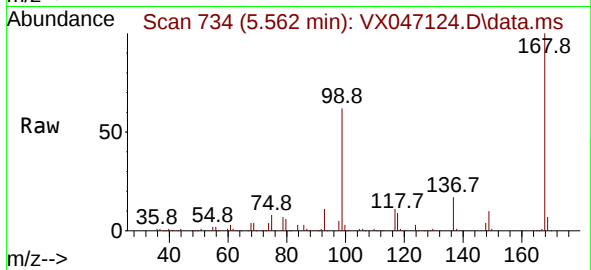
Tgt Ion: 75 Resp: 30214  
Ion Ratio Lower Upper  
75 100  
110 3.9 17.2 51.5#  
77 0.0 25.1 37.7#



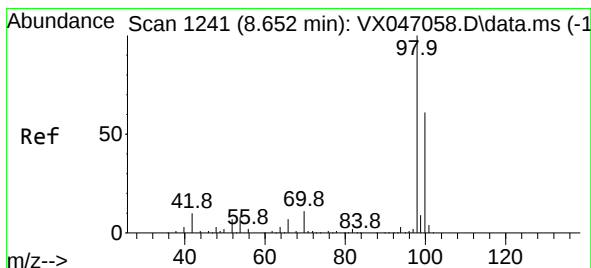
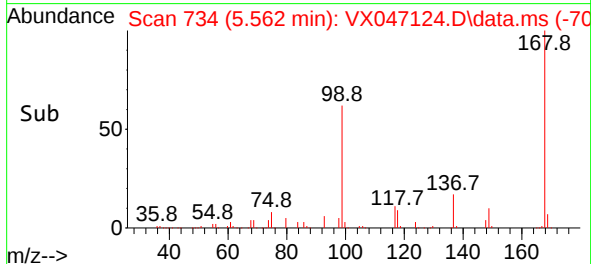
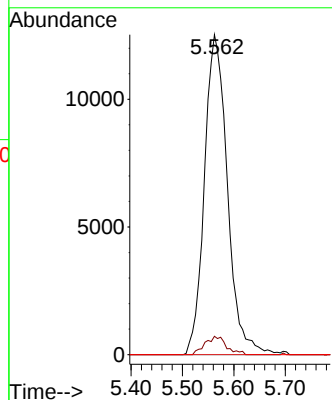


#38  
Carbon Tetrachloride  
Concen: 5.246 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX047124.D  
Acq: 24 Jul 2025 16:37

Instrument :  
MSVOA\_X  
ClientSampleId :

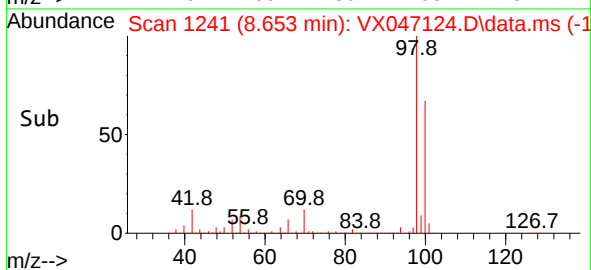
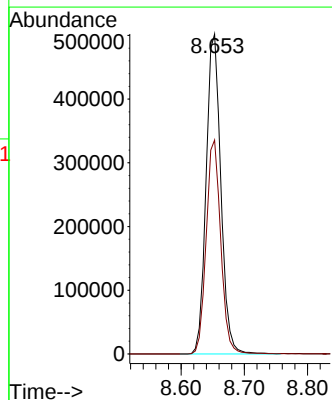
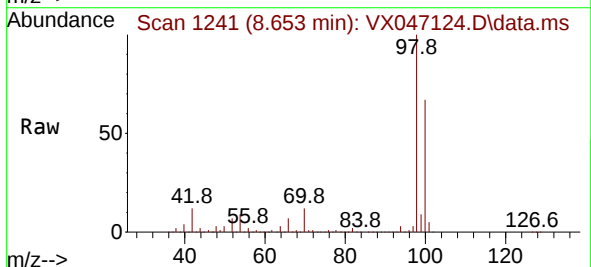


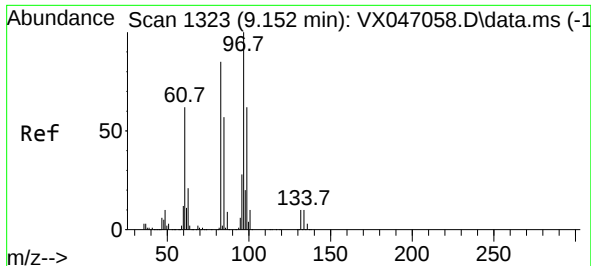
Tgt Ion:117 Resp: 38930  
Ion Ratio Lower Upper  
117 100  
119 5.7 76.6 115.0#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 61.622 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.000 min  
Lab File: VX047124.D  
Acq: 24 Jul 2025 16:37

Tgt Ion: 98 Resp: 813959  
Ion Ratio Lower Upper  
98 100  
100 66.1 53.3 79.9





#55

1,1,2-Trichloroethane

Concen: 0.240 ug/l

RT: 9.208 min Scan# 1112

Delta R.T. 0.055 min

Lab File: VX047124.D

Acq: 24 Jul 2025 16:37

Instrument :

MSVOA\_X

ClientSampleId :

Tgt Ion: 97 Resp: 1112

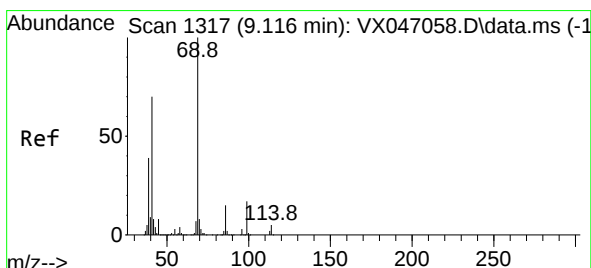
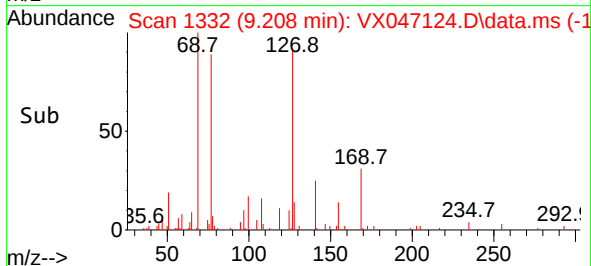
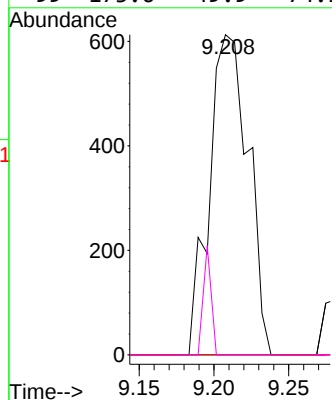
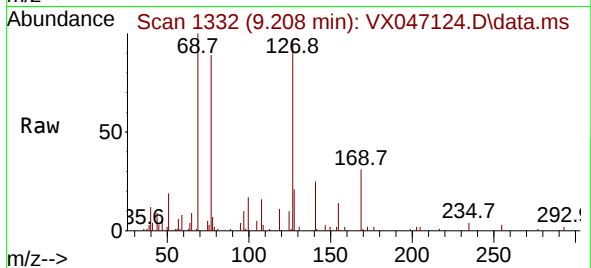
Ion Ratio Lower Upper

97 100

83 0.0 68.0 102.0#

85 0.0 45.2 67.8#

99 173.6 49.9 74.9#



#56

Ethyl methacrylate

Concen: 1.546 ug/l

RT: 9.214 min Scan# 1333

Delta R.T. 0.098 min

Lab File: VX047124.D

Acq: 24 Jul 2025 16:37

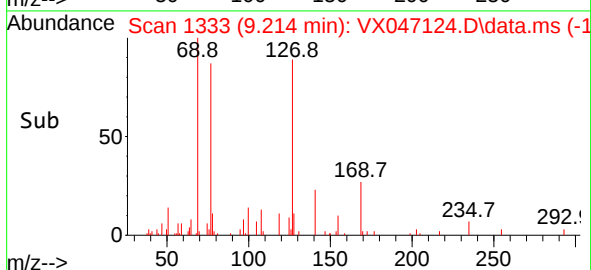
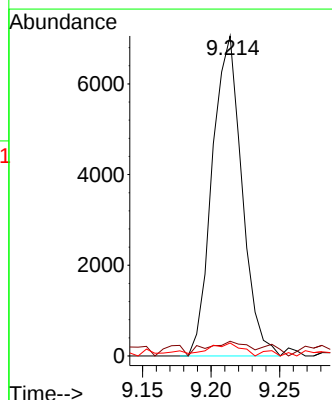
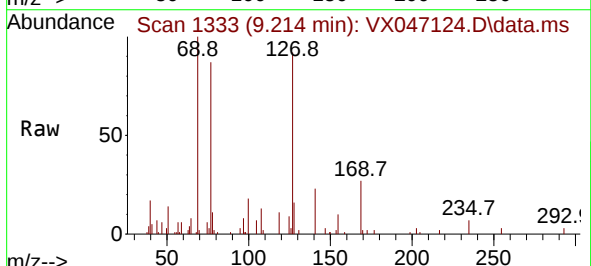
Tgt Ion: 69 Resp: 10621

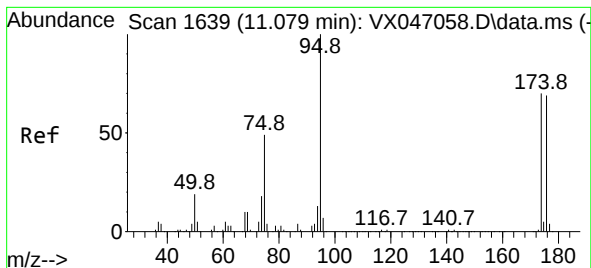
Ion Ratio Lower Upper

69 100

41 6.3 56.1 84.1#

39 4.3 31.1 46.7#

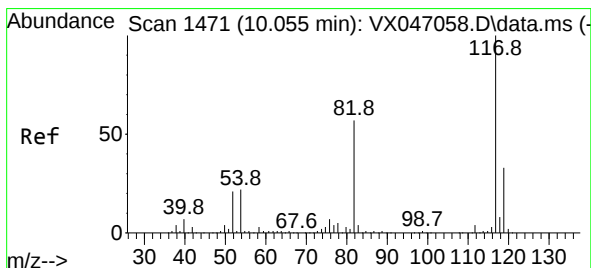
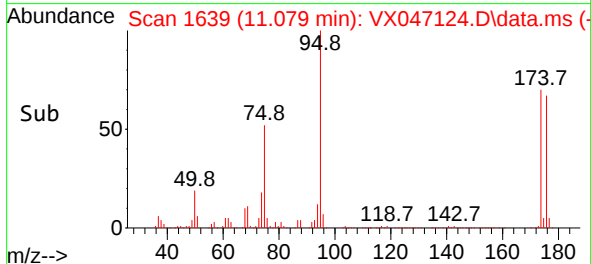
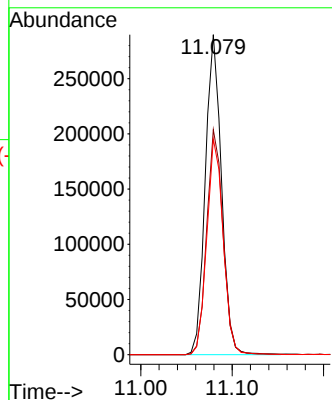
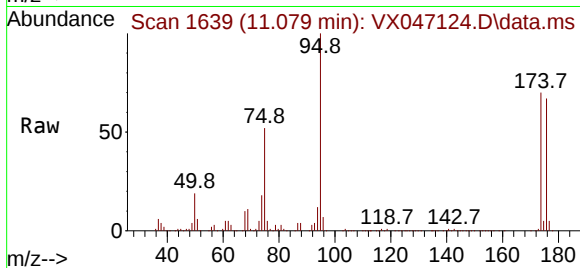




#62  
4-Bromofluorobenzene  
Concen: 62.258 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX047124.D  
Acq: 24 Jul 2025 16:37

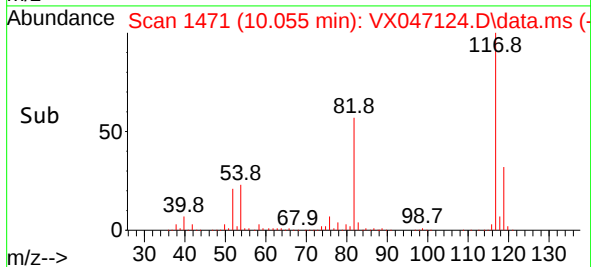
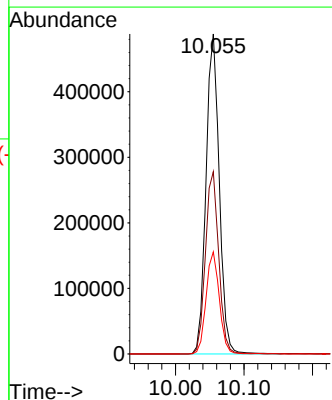
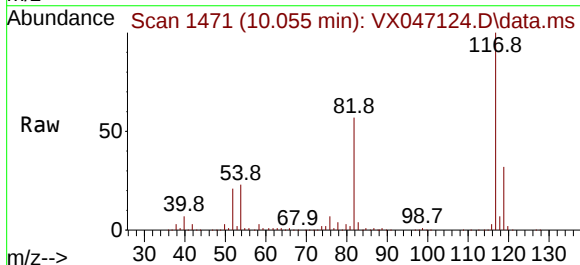
Instrument :  
MSVOA\_X  
ClientSampleId :

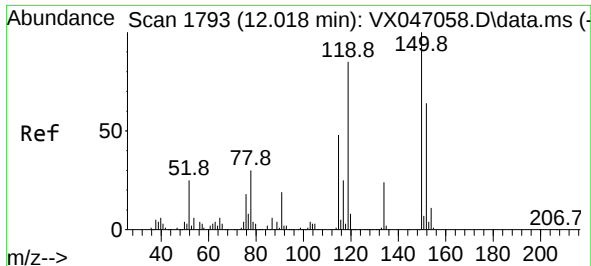
Tgt Ion: 95 Resp: 354390  
Ion Ratio Lower Upper  
95 100  
174 71.4 0.0 144.6  
176 68.5 0.0 139.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX047124.D  
Acq: 24 Jul 2025 16:37

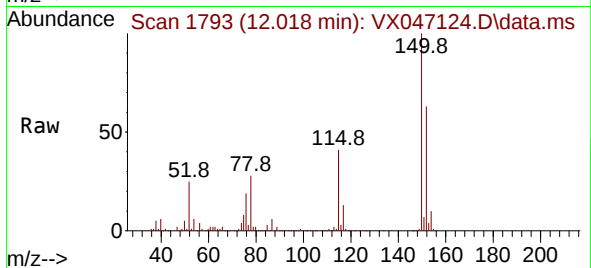
Tgt Ion: 117 Resp: 656103  
Ion Ratio Lower Upper  
117 100  
82 56.9 45.4 68.2  
119 31.9 26.1 39.1



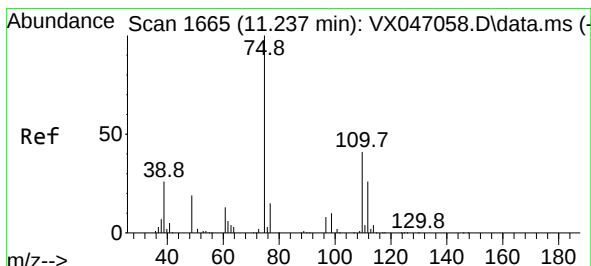
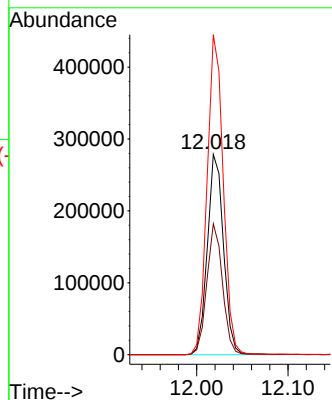
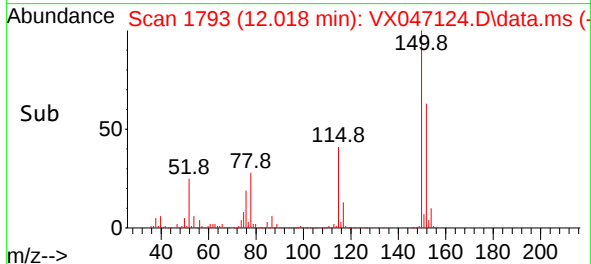


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX047124.D  
Acq: 24 Jul 2025 16:37

Instrument :  
MSVOA\_X  
ClientSampleId :

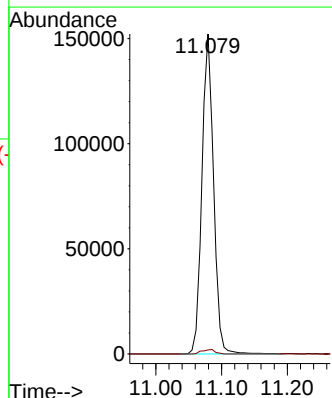
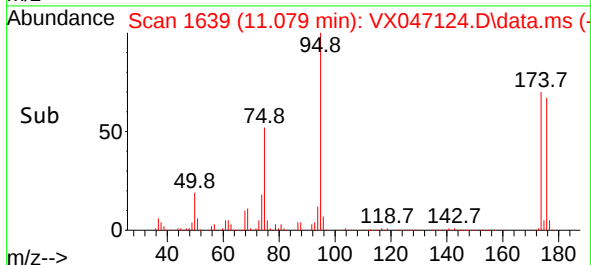
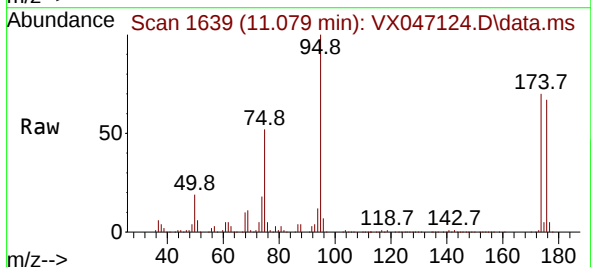


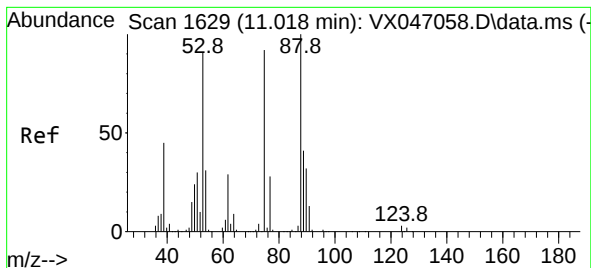
Tgt Ion:152 Resp: 342547  
Ion Ratio Lower Upper  
152 100  
115 63.5 45.6 136.7  
150 158.5 0.0 354.6



#76  
1,2,3-Trichloropropane  
Concen: 29.529 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX047124.D  
Acq: 24 Jul 2025 16:37

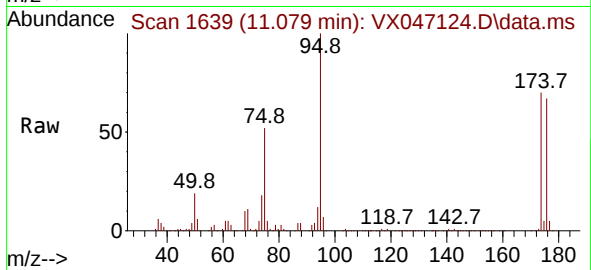
Tgt Ion: 75 Resp: 187223  
Ion Ratio Lower Upper  
75 100  
77 1.6 21.6 65.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 76.078 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX047124.D  
 Acq: 24 Jul 2025 16:37

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 187223  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 84.2 126.4#  
 89 0.0 36.0 54.0#

