

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072425\  
 Data File : VX047116.D  
 Acq On : 24 Jul 2025 13:47  
 Operator : JC/MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jul 25 01:23:11 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

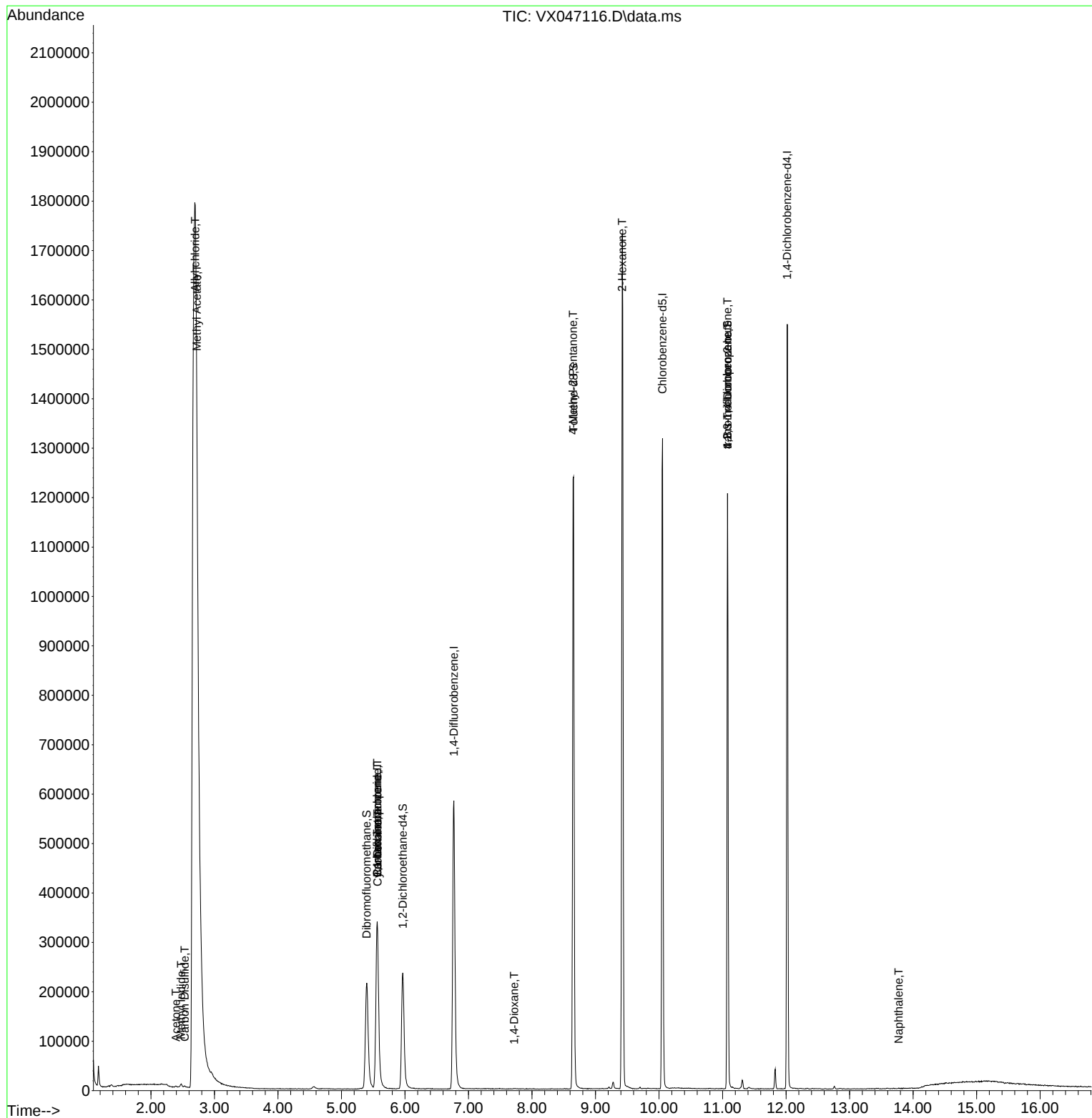
| Compound                      | R.T.   | QIon           | Response | Conc        | Units  | Dev(Min) |
|-------------------------------|--------|----------------|----------|-------------|--------|----------|
| -----                         |        |                |          |             |        |          |
| Internal Standards            |        |                |          |             |        |          |
| 1) Pentafluorobenzene         | 5.562  | 168            | 335221   | 50.000      | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114            | 619538   | 50.000      | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117            | 593461   | 50.000      | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152            | 297258   | 50.000      | ug/l   | 0.00     |
| System Monitoring Compounds   |        |                |          |             |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65             | 253457   | 60.697      | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 78 - 117 | Recovery | = 121.400%# |        |          |
| 35) Dibromofluoromethane      | 5.397  | 113            | 204650   | 53.500      | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 75 - 124 | Recovery | = 107.000%  |        |          |
| 50) Toluene-d8                | 8.653  | 98             | 769418   | 62.110      | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 92 - 112 | Recovery | = 124.220%# |        |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95             | 317448   | 59.464      | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 83 - 123 | Recovery | = 118.920%  |        |          |
| Target Compounds              |        |                |          |             |        |          |
|                               |        |                |          |             |        | Qvalue   |
| 10) Methyl Iodide             | 2.477  | 142            | 10579    | 2.440       | ug/l   | 92       |
| 11) Tert butyl alcohol        | 2.959  | 59             | 815      | Below Cal   | #      | 72       |
| 14) Allyl chloride            | 2.697  | 41             | 5916120  | 776.887     | ug/l # | 42       |
| 16) Acetone                   | 2.392  | 43             | 3305     | 1.976       | ug/l   | 95       |
| 17) Carbon Disulfide          | 2.532  | 76             | 3229     | 0.265       | ug/l # | 91       |
| 18) Methyl Acetate            | 2.721  | 43             | 1980     | 0.445       | ug/l # | 54       |
| 31) Cyclohexane               | 5.568  | 56             | 7217     | 0.925       | ug/l # | 14       |
| 36) 1,1-Dichloropropene       | 5.562  | 75             | 28975    | 4.444       | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.562  | 117            | 36904    | 5.303       | ug/l # | 16       |
| 49) 1,4-Dioxane               | 7.720  | 88             | 209      | 3.601       | ug/l # | 20       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43             | 4010     | 0.720       | ug/l # | 1        |
| 59) 2-Hexanone                | 9.421  | 43             | 3115     | 0.847       | ug/l # | 25       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75             | 168507   | 30.626      | ug/l # | 35       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75             | 168507   | 78.905      | ug/l # | 8        |
| 95) Naphthalene               | 13.774 | 128            | 4311     | 0.218       | ug/l # | 73       |
| -----                         |        |                |          |             |        |          |

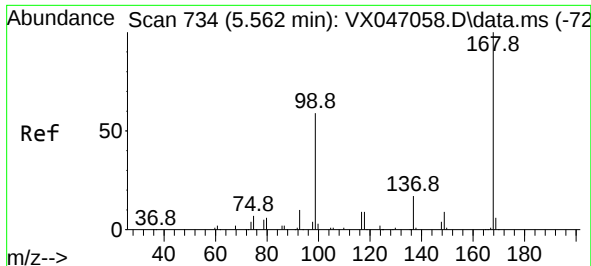
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072425\  
Data File : VX047116.D  
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Sample : IBLK  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Jul 25 01:23:11 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

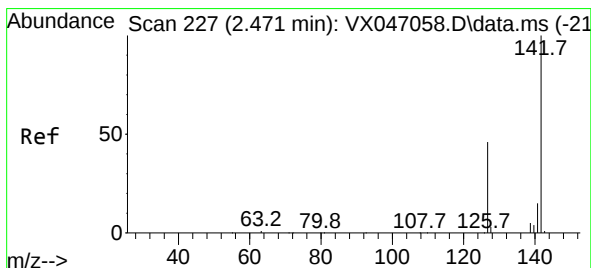
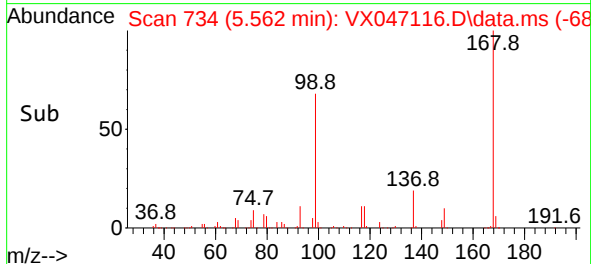
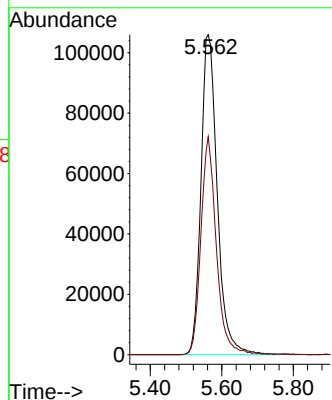
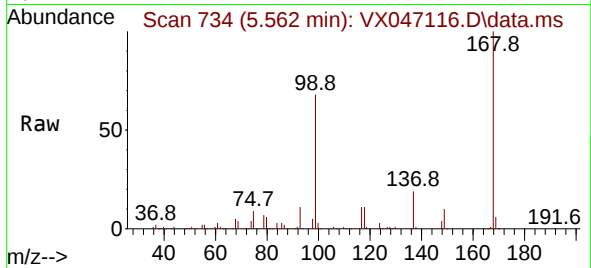




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX047116.D  
Acq: 24 Jul 2025 13:47

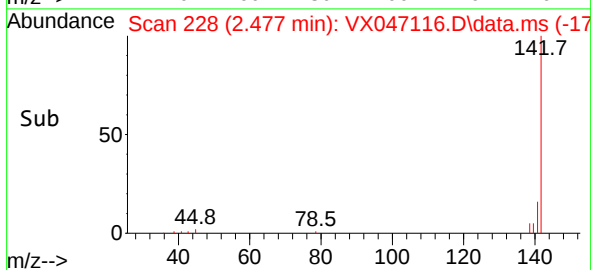
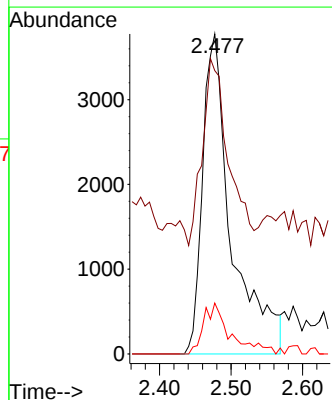
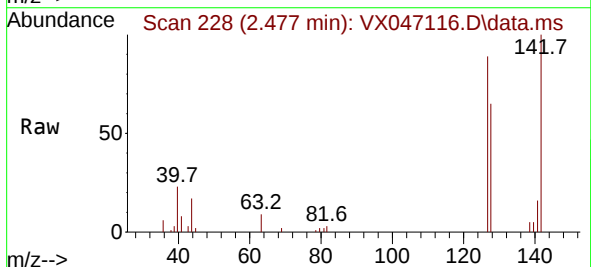
Instrument :  
MSVOA\_X  
ClientSampleId :

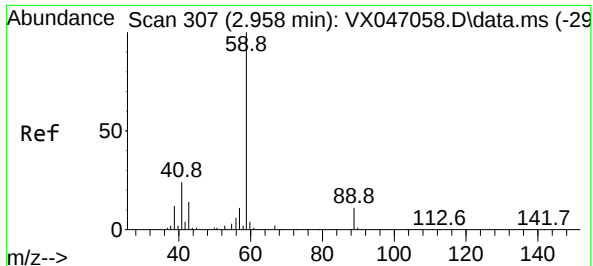
Tgt Ion:168 Resp: 335221  
Ion Ratio Lower Upper  
168 100  
99 68.1 48.0 72.0



#10  
Methyl Iodide  
Concen: 2.440 ug/l  
RT: 2.477 min Scan# 228  
Delta R.T. 0.006 min  
Lab File: VX047116.D  
Acq: 24 Jul 2025 13:47

Tgt Ion:142 Resp: 10579  
Ion Ratio Lower Upper  
142 100  
127 52.3 36.6 54.8  
141 14.7 10.9 16.3

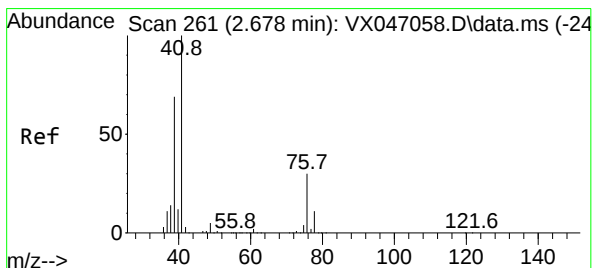
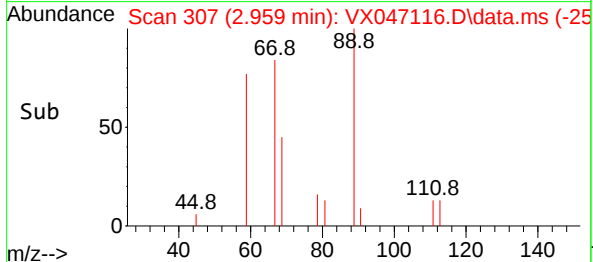
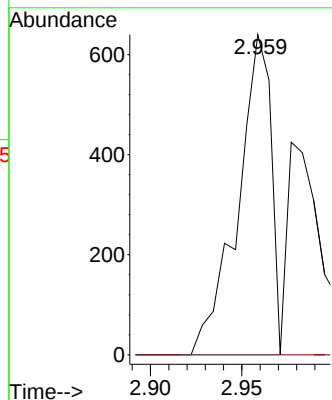
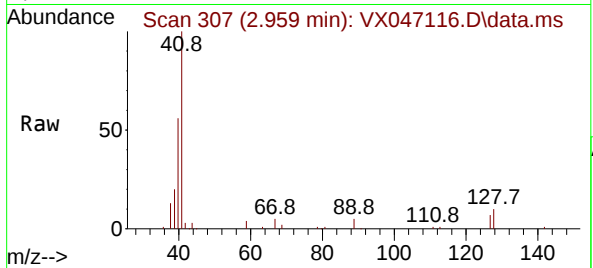




#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 2.959 min Scan# 30  
Delta R.T. 0.001 min  
Lab File: VX047116.D  
Acq: 24 Jul 2025 13:47

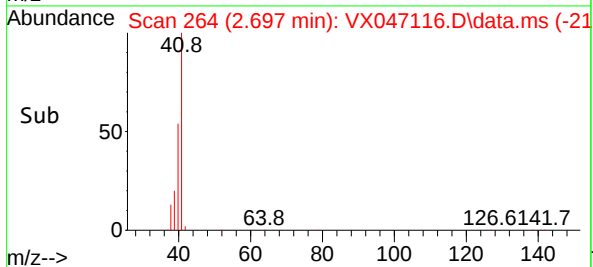
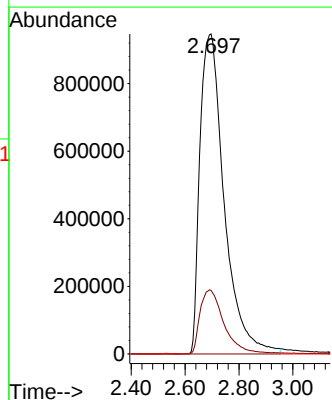
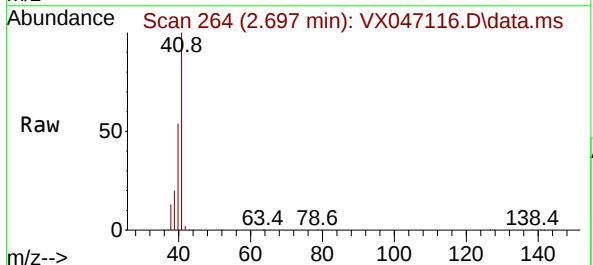
Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 59 Resp: 815  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.5 12.7#



#14  
Allyl chloride  
Concen: 776.887 ug/l  
RT: 2.697 min Scan# 264  
Delta R.T. 0.019 min  
Lab File: VX047116.D  
Acq: 24 Jul 2025 13:47

Tgt Ion: 41 Resp: 5916120  
Ion Ratio Lower Upper  
41 100  
39 19.7 52.6 78.8#  
76 0.0 25.7 38.5#

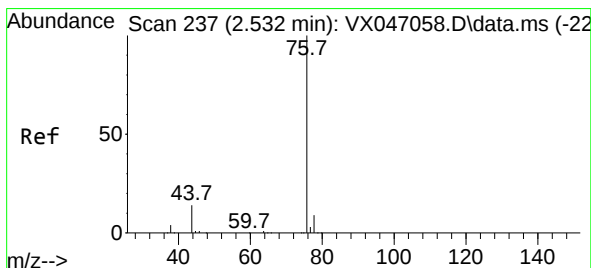
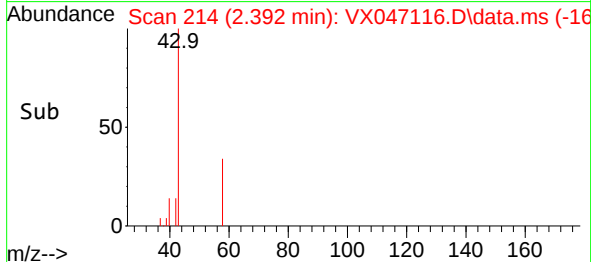
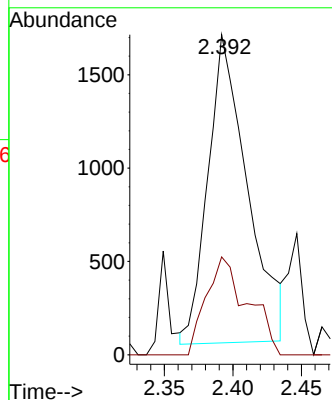
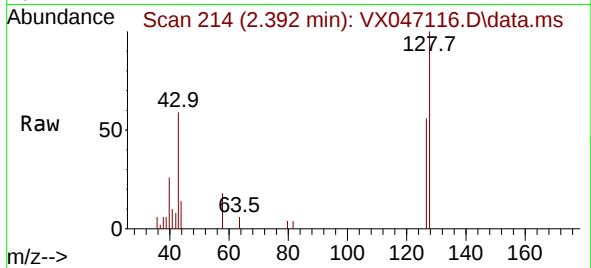




#16  
Acetone  
Concen: 1.976 ug/l  
RT: 2.392 min Scan# 213  
Delta R.T. 0.006 min  
Lab File: VX047116.D  
Acq: 24 Jul 2025 13:47

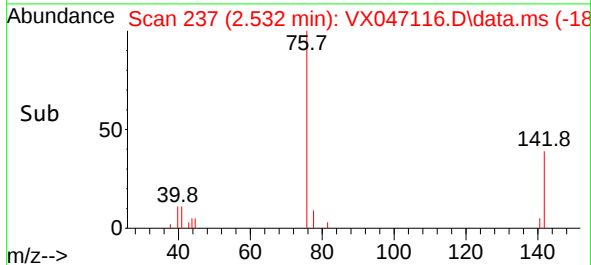
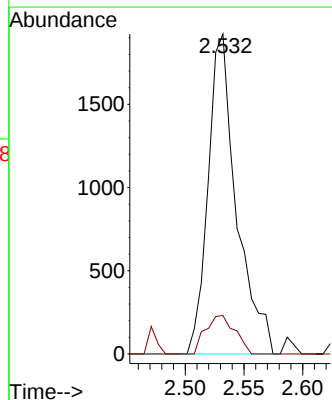
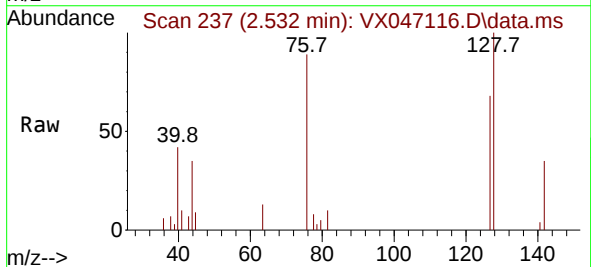
Instrument :  
MSVOA\_X  
ClientSampleId :

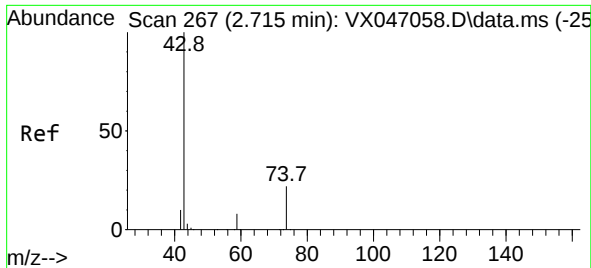
Tgt Ion: 43 Resp: 3305  
Ion Ratio Lower Upper  
43 100  
58 32.8 24.0 36.0



#17  
Carbon Disulfide  
Concen: 0.265 ug/l  
RT: 2.532 min Scan# 237  
Delta R.T. 0.000 min  
Lab File: VX047116.D  
Acq: 24 Jul 2025 13:47

Tgt Ion: 76 Resp: 3229  
Ion Ratio Lower Upper  
76 100  
78 12.0 7.0 10.4#

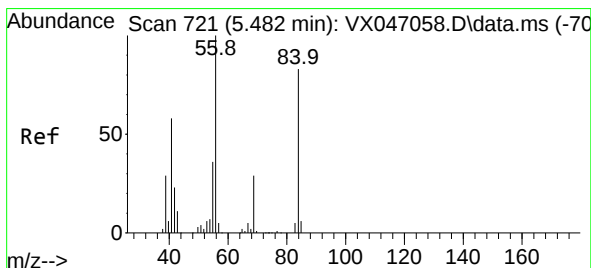
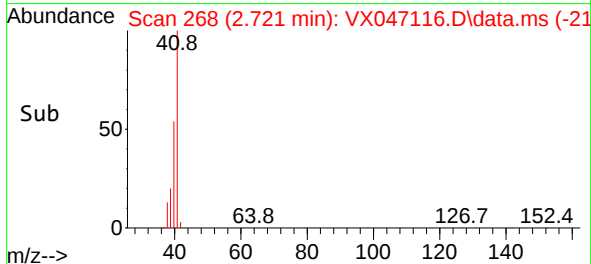
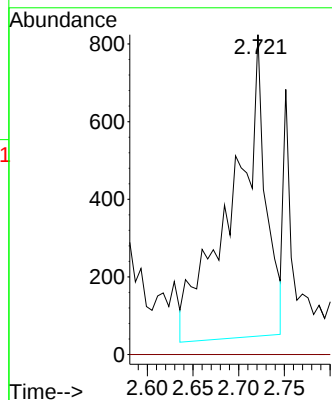
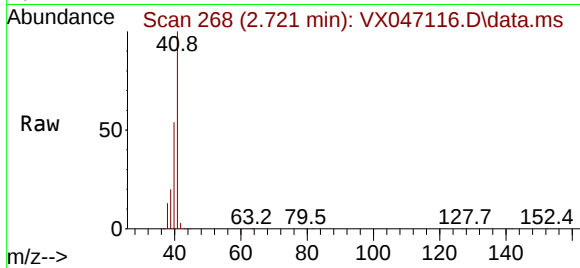




#18  
Methyl Acetate  
Concen: 0.445 ug/l  
RT: 2.721 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX047116.D  
Acq: 24 Jul 2025 13:47

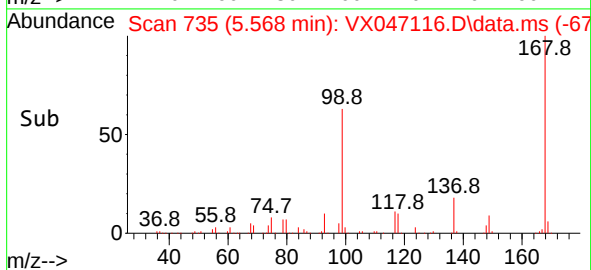
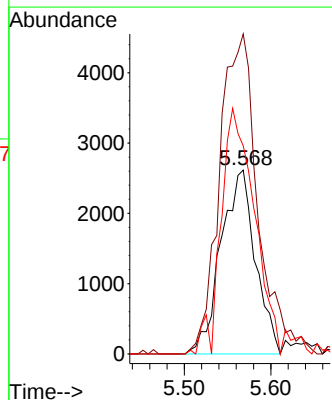
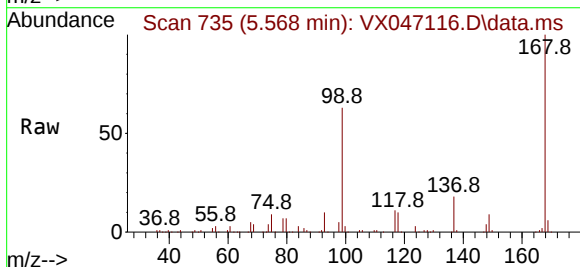
Instrument :  
MSVOA\_X  
ClientSampleId :

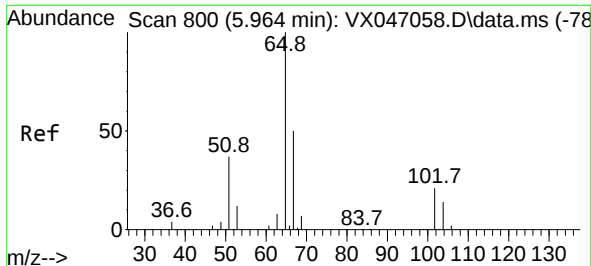
Tgt Ion: 43 Resp: 1980  
Ion Ratio Lower Upper  
43 100  
74 0.0 17.7 26.5#



#31  
Cyclohexane  
Concen: 0.925 ug/l  
RT: 5.568 min Scan# 735  
Delta R.T. 0.086 min  
Lab File: VX047116.D  
Acq: 24 Jul 2025 13:47

Tgt Ion: 56 Resp: 7217  
Ion Ratio Lower Upper  
56 100  
69 165.1 23.3 34.9#  
84 107.4 66.5 99.7#





#33

1,2-Dichloroethane-d4

Concen: 60.697 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047116.D

Acq: 24 Jul 2025 13:47

Instrument :

MSVOA\_X

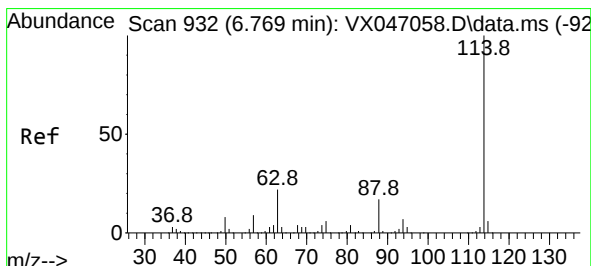
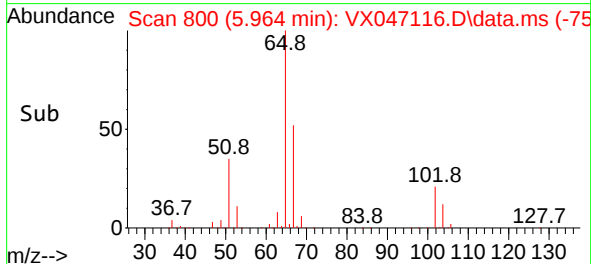
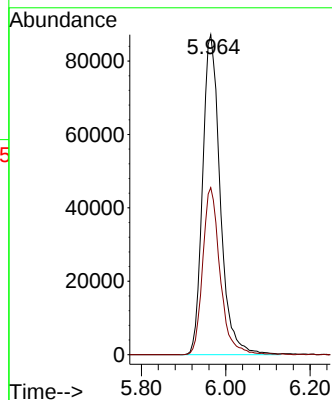
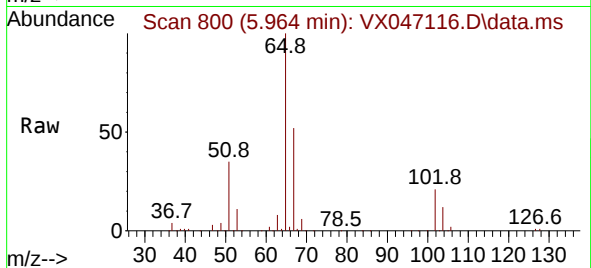
ClientSampleId :

Tgt Ion: 65 Resp: 253457

Ion Ratio Lower Upper

65 100

67 51.4 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: VX047116.D

Acq: 24 Jul 2025 13:47

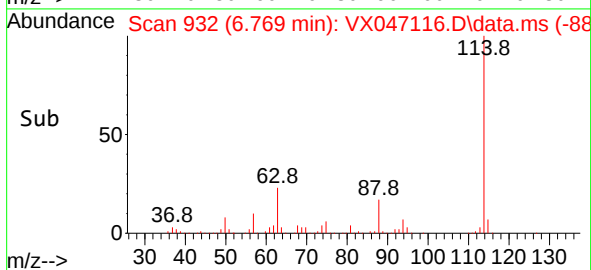
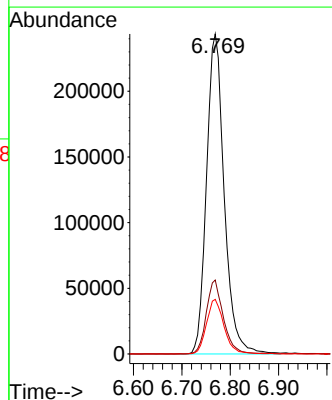
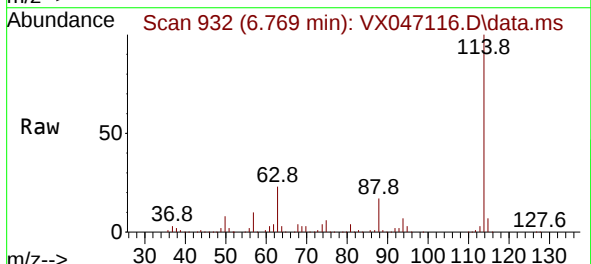
Tgt Ion: 114 Resp: 619538

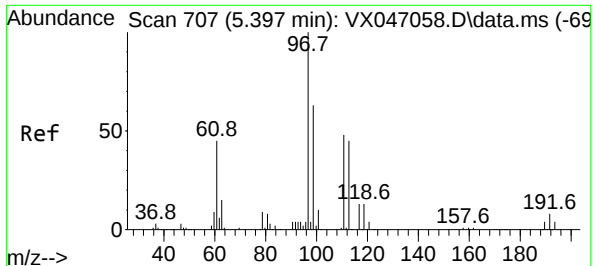
Ion Ratio Lower Upper

114 100

63 23.1 0.0 43.2

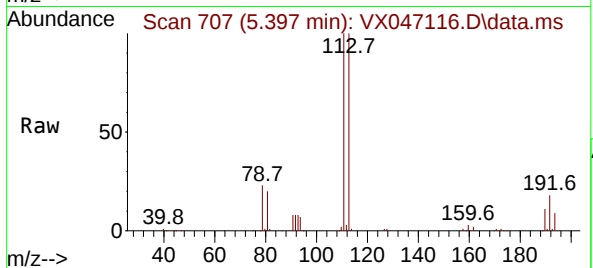
88 17.1 0.0 33.8



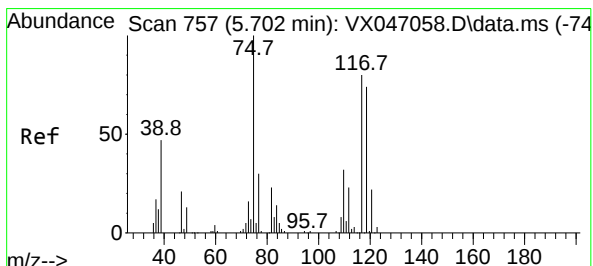
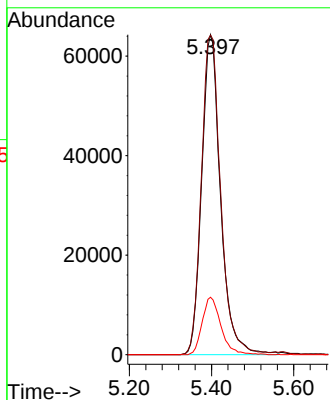
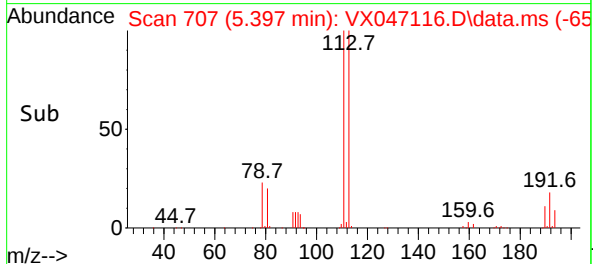


#35  
Dibromofluoromethane  
Concen: 53.500 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX047116.D  
Acq: 24 Jul 2025 13:47

Instrument :  
MSVOA\_X  
ClientSampleId :

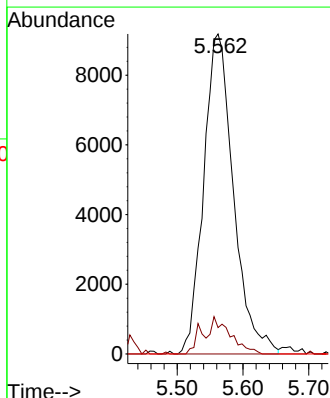
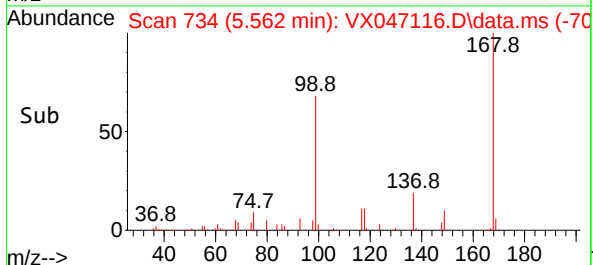
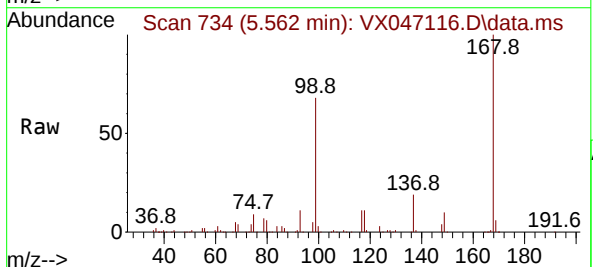


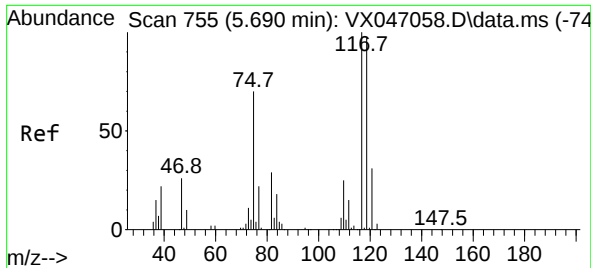
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Ion Ratio Lower Upper  
113 100  
111 102.7 82.6 124.0  
192 17.9 14.9 22.3



#36  
1,1-Dichloropropene  
Concen: 4.444 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.140 min  
Lab File: VX047116.D  
Acq: 24 Jul 2025 13:47

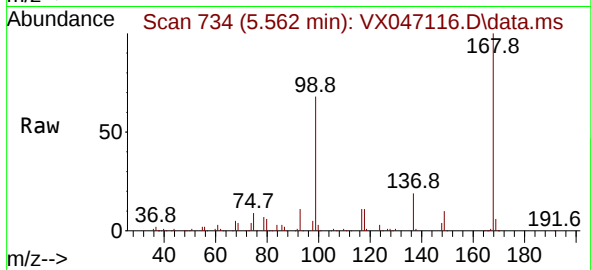
Tgt Ion: 75 Resp: 28975  
Ion Ratio Lower Upper  
75 100  
110 7.7 17.2 51.5#  
77 0.0 25.1 37.7#



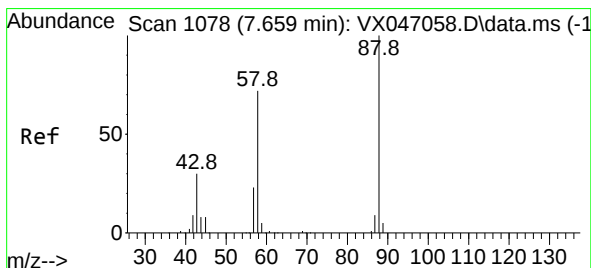
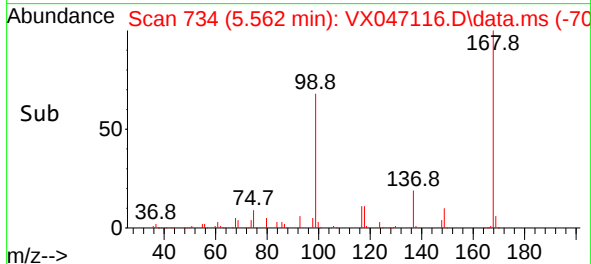
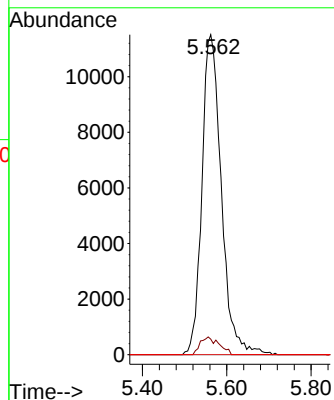


#38  
Carbon Tetrachloride  
Concen: 5.303 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX047116.D  
Acq: 24 Jul 2025 13:47

Instrument :  
MSVOA\_X  
ClientSampleId :

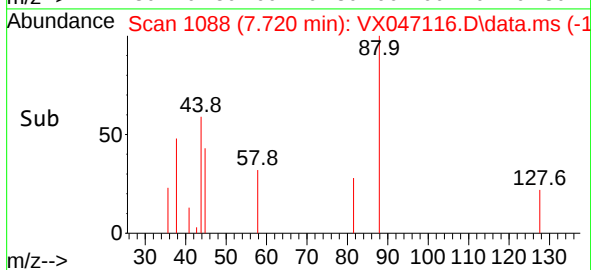
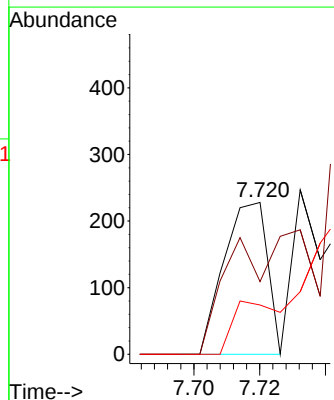
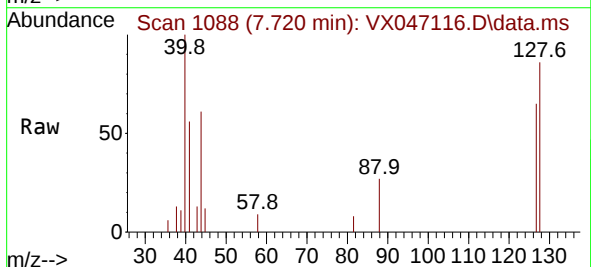


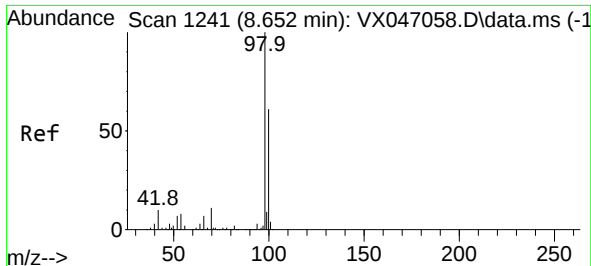
Tgt Ion:117 Resp: 36904  
Ion Ratio Lower Upper  
117 100  
119 4.8 76.6 115.0#  
121 0.0 24.4 36.6#



#49  
1,4-Dioxane  
Concen: 3.601 ug/l  
RT: 7.720 min Scan# 1088  
Delta R.T. 0.061 min  
Lab File: VX047116.D  
Acq: 24 Jul 2025 13:47

Tgt Ion: 88 Resp: 209  
Ion Ratio Lower Upper  
88 100  
43 0.0 33.6 50.4#  
58 0.0 58.8 88.2#

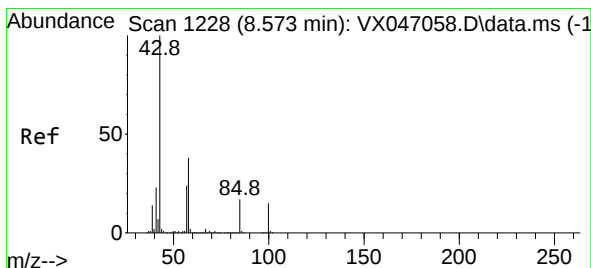
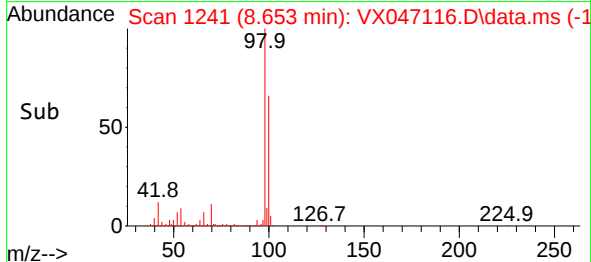
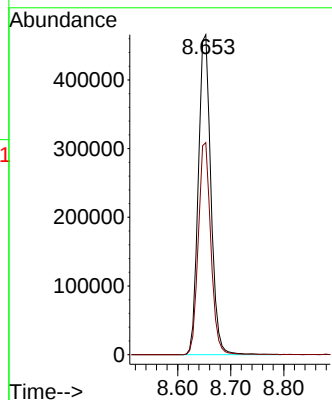
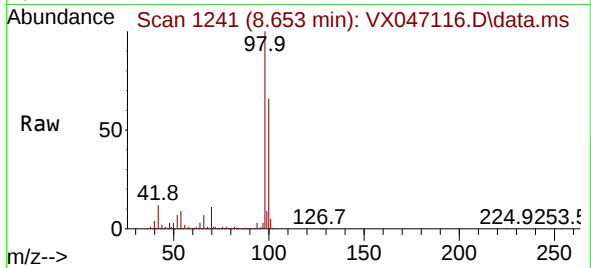




#50  
Toluene-d8  
Concen: 62.110 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX047116.D  
Acq: 24 Jul 2025 13:47

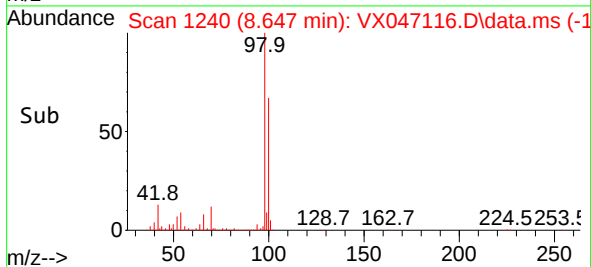
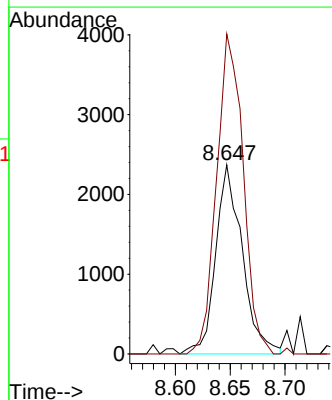
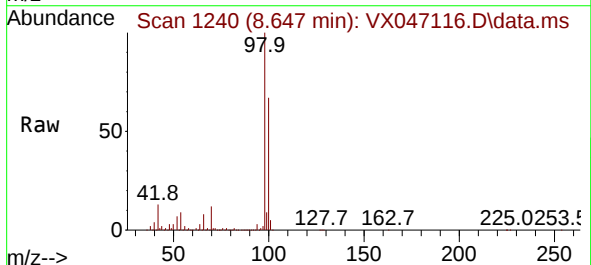
Instrument :  
MSVOA\_X  
ClientSampleId :

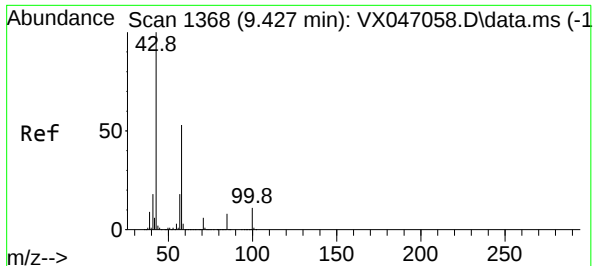
Tgt Ion: 98 Resp: 769418  
Ion Ratio Lower Upper  
98 100  
100 66.1 53.3 79.9



#51  
4-Methyl-2-Pentanone  
Concen: 0.720 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.074 min  
Lab File: VX047116.D  
Acq: 24 Jul 2025 13:47

Tgt Ion: 43 Resp: 4010  
Ion Ratio Lower Upper  
43 100  
58 168.5 30.6 45.8#





#59

2-Hexanone

Concen: 0.847 ug/l

RT: 9.421 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX047116.D

Acq: 24 Jul 2025 13:47

Instrument :

MSVOA\_X

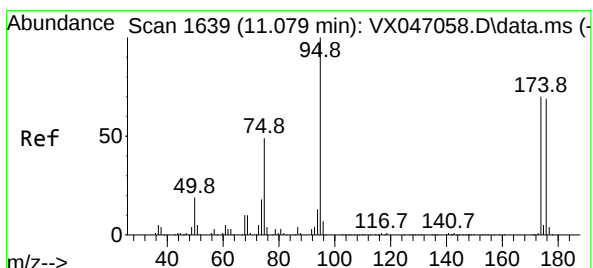
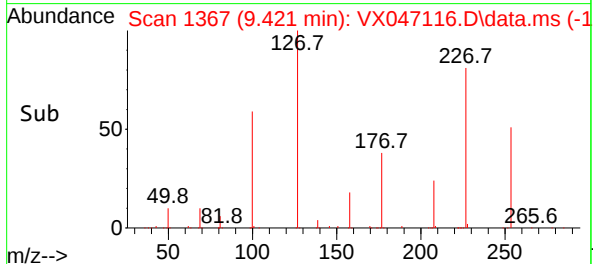
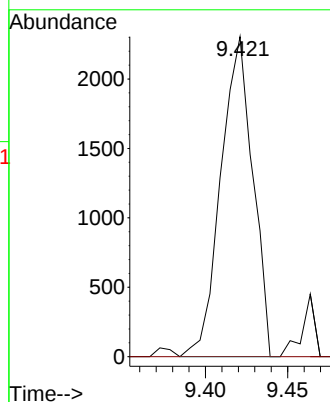
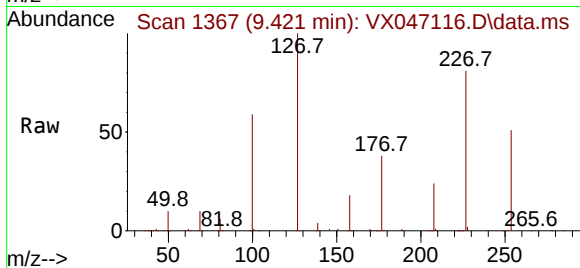
ClientSampleId :

Tgt Ion: 43 Resp: 3115

Ion Ratio Lower Upper

43 100

58 0.0 26.5 79.5#



#62

4-Bromofluorobenzene

Concen: 59.464 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX047116.D

Acq: 24 Jul 2025 13:47

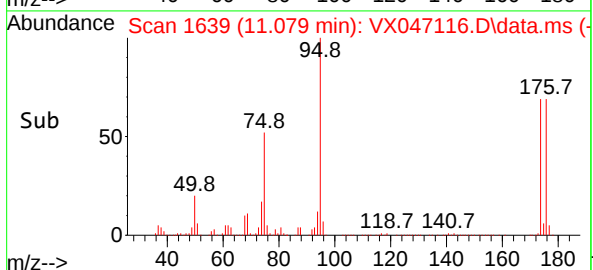
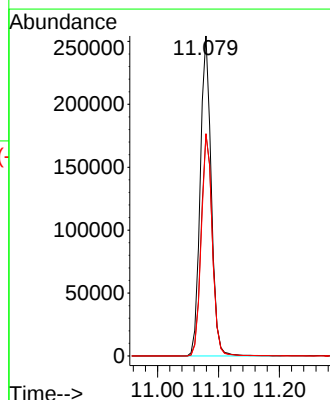
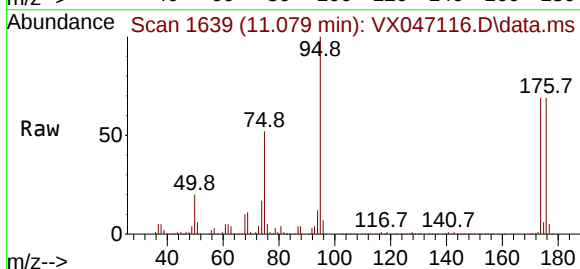
Tgt Ion: 95 Resp: 317448

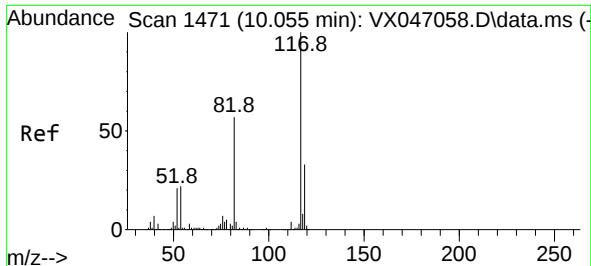
Ion Ratio Lower Upper

95 100

174 71.1 0.0 144.6

176 69.5 0.0 139.6

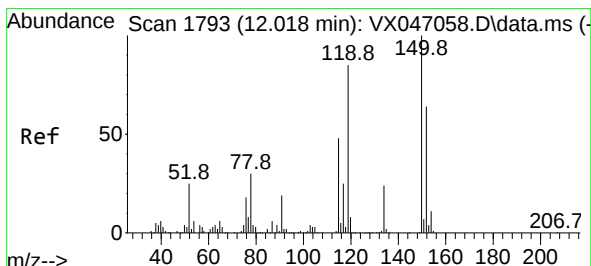
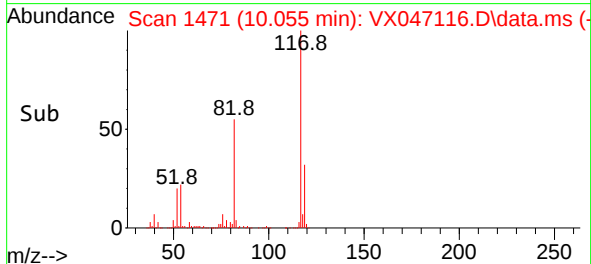
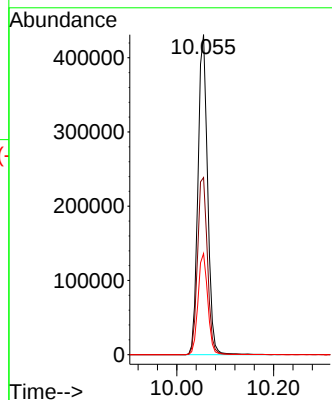
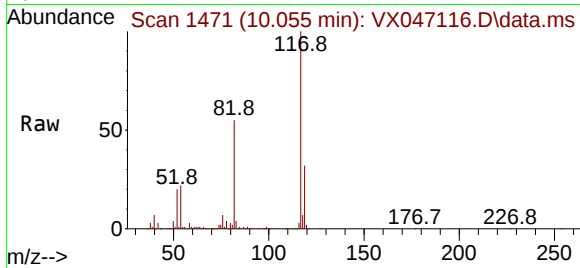




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX047116.D  
Acq: 24 Jul 2025 13:47

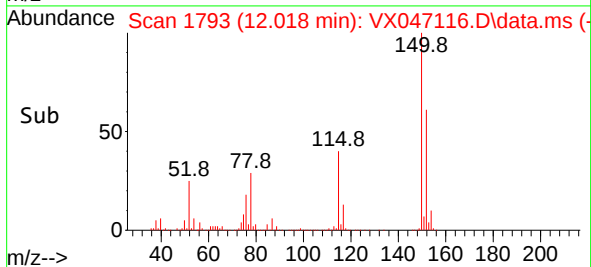
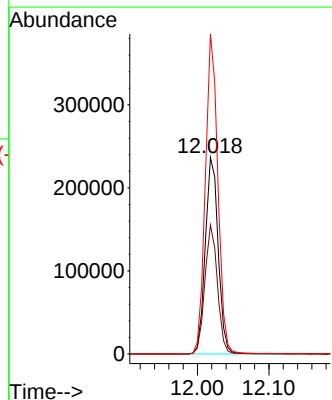
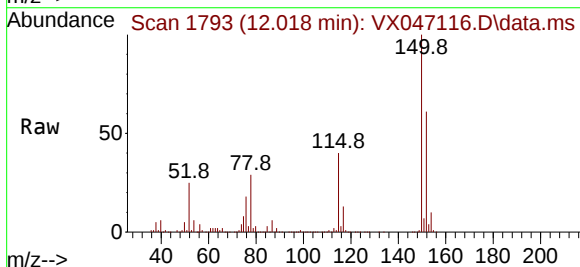
Instrument :  
MSVOA\_X  
ClientSampleId :

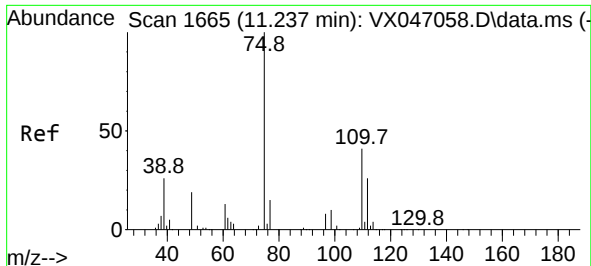
Tgt Ion:117 Resp: 593461  
Ion Ratio Lower Upper  
117 100  
82 55.3 45.4 68.2  
119 31.6 26.1 39.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VX047116.D  
Acq: 24 Jul 2025 13:47

Tgt Ion:152 Resp: 297258  
Ion Ratio Lower Upper  
152 100  
115 63.9 45.6 136.7  
150 158.2 0.0 354.6

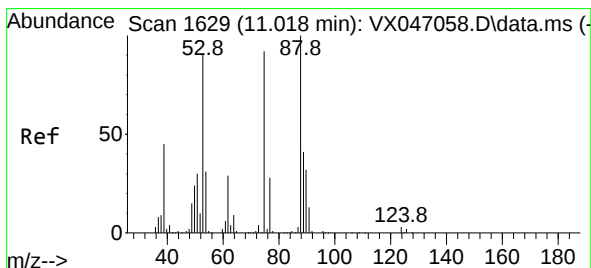
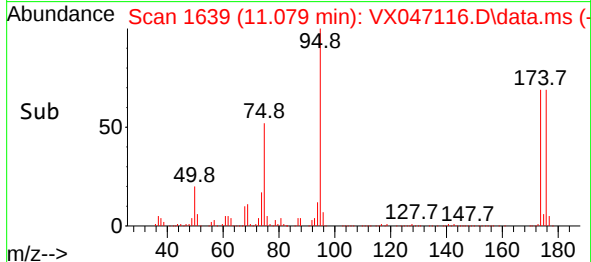
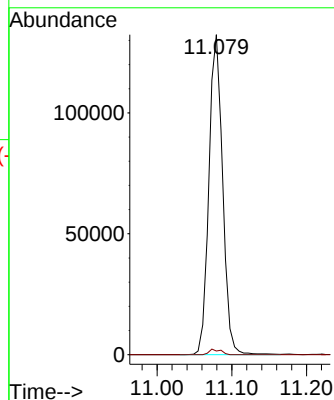
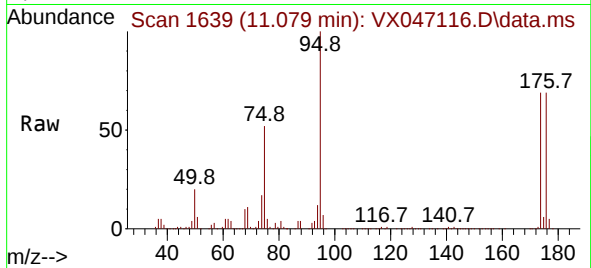




#76  
1,2,3-Trichloropropane  
Concen: 30.626 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX047116.D  
Acq: 24 Jul 2025 13:47

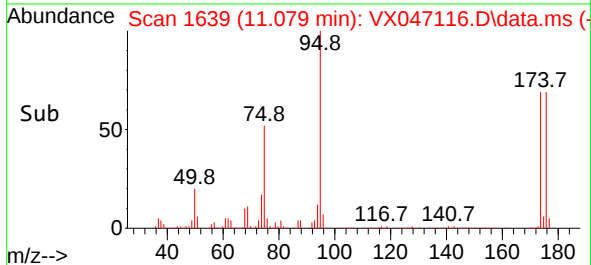
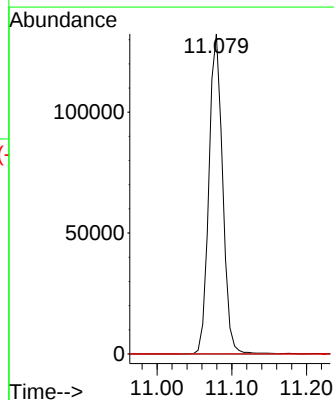
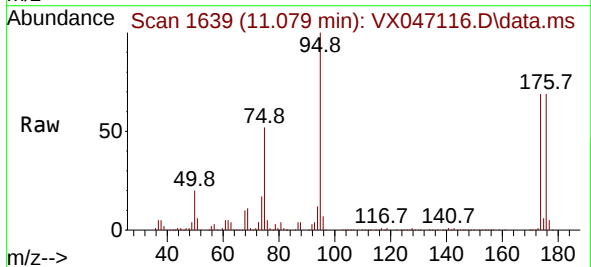
Instrument :  
MSVOA\_X  
ClientSampleId :

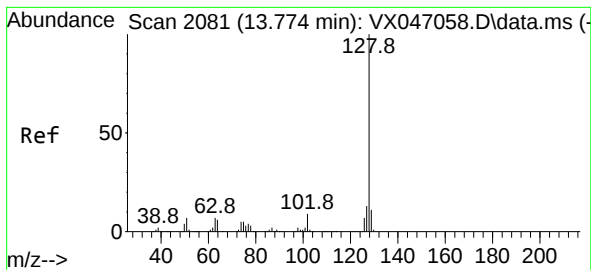
Tgt Ion: 75 Resp: 168507  
Ion Ratio Lower Upper  
75 100  
77 1.5 21.6 65.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 78.905 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX047116.D  
Acq: 24 Jul 2025 13:47

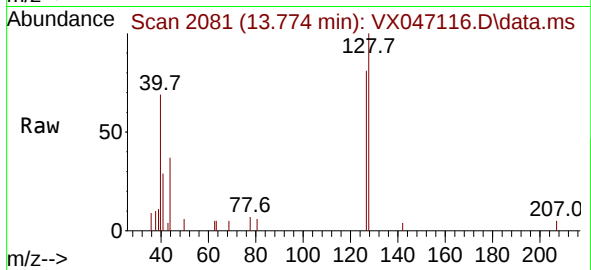
Tgt Ion: 75 Resp: 168507  
Ion Ratio Lower Upper  
75 100  
53 0.0 84.2 126.4#  
89 0.0 36.0 54.0#





#95  
Naphthalene  
Concen: 0.218 ug/l  
RT: 13.774 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VX047116.D  
Acq: 24 Jul 2025 13:47

Instrument :  
MSVOA\_X  
ClientSampleId :



Tgt Ion:128 Resp: 4311  
Ion Ratio Lower Upper  
128 100  
127 23.0 10.1 15.1#  
129 0.0 8.6 13.0#

