

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072525\  
 Data File : VX047138.D  
 Acq On : 25 Jul 2025 13:25  
 Operator : JC/MD  
 Sample : Q2693-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-WATER-REF-4

Quant Time: Jul 26 00:29:32 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

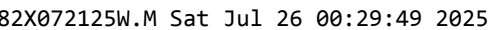
| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.568  | 168  | 450619   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.769  | 114  | 834470   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 801303   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 410899   | 50.000 | ug/l  | 0.00     |

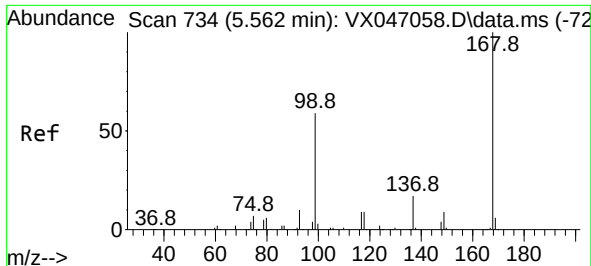
|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.964  | 65    | 309700   | 55.173   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 110.340% |
| 35) Dibromofluoromethane    | 5.404  | 113   | 253615   | 49.224   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 98.440%  |
| 50) Toluene-d8              | 8.653  | 98    | 916941   | 54.954   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 109.900% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 386739   | 53.784   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 107.560% |

| Target Compounds              |        |     |        |           | Qvalue |    |
|-------------------------------|--------|-----|--------|-----------|--------|----|
| 10) Methyl Iodide             | 2.483  | 142 | 2078   | 0.357     | ug/l # | 97 |
| 11) Tert butyl alcohol        | 2.959  | 59  | 309    | Below Cal | #      | 72 |
| 14) Allyl chloride            | 2.685  | 41  | 17274  | 1.687     | ug/l # | 32 |
| 16) Acetone                   | 2.398  | 43  | 4315   | 1.919     | ug/l # | 89 |
| 31) Cyclohexane               | 5.568  | 56  | 10284  | 0.980     | ug/l # | 1  |
| 36) 1,1-Dichloropropene       | 5.562  | 75  | 38543  | 4.389     | ug/l # | 49 |
| 38) Carbon Tetrachloride      | 5.568  | 117 | 49318  | 5.261     | ug/l # | 15 |
| 49) 1,4-Dioxane               | 7.415  | 88  | 20     | 0.256     | ug/l # | 1  |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75  | 201093 | 26.440    | ug/l # | 35 |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75  | 201093 | 68.121    | ug/l # | 8  |

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

Quant Time: Jul 26 00:29:32 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

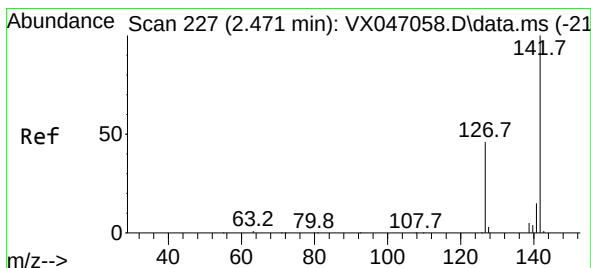
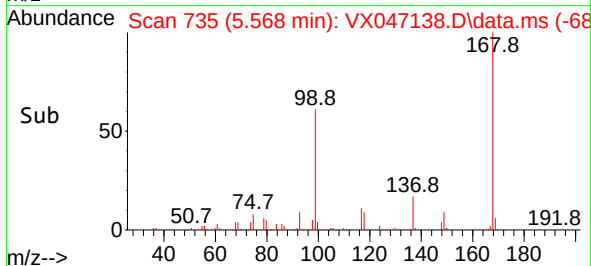
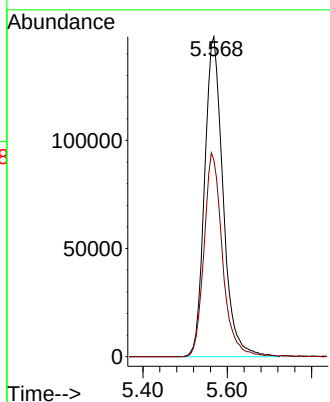
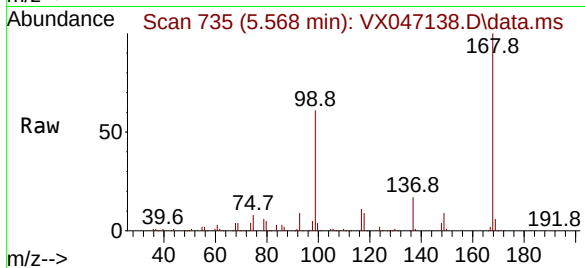




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.568 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX047138.D  
Acq: 25 Jul 2025 13:25

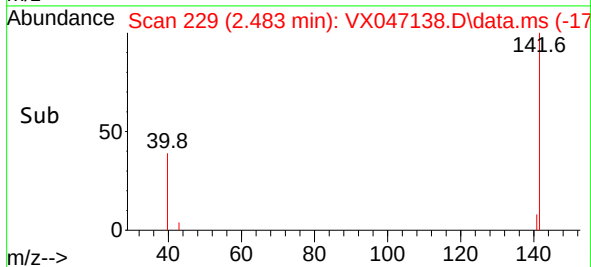
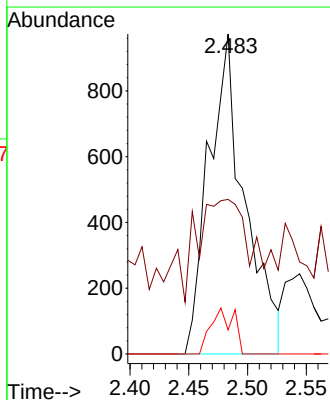
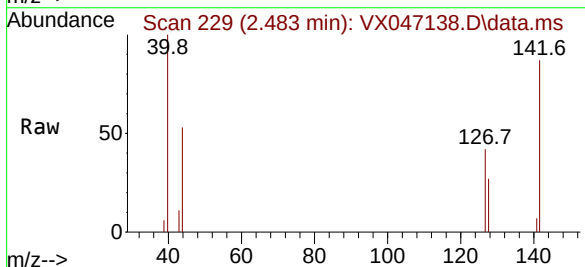
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

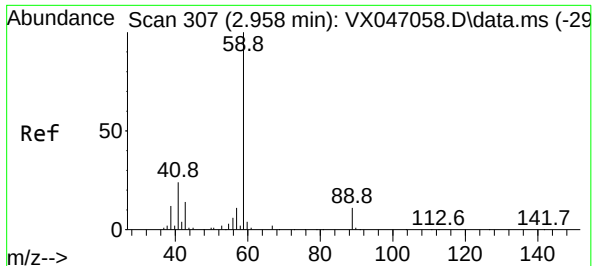
Tgt Ion:168 Resp: 450619  
Ion Ratio Lower Upper  
168 100  
99 61.5 48.0 72.0



#10  
Methyl Iodide  
Concen: 0.357 ug/l  
RT: 2.483 min Scan# 229  
Delta R.T. 0.013 min  
Lab File: VX047138.D  
Acq: 25 Jul 2025 13:25

Tgt Ion:142 Resp: 2078  
Ion Ratio Lower Upper  
142 100  
127 45.4 36.6 54.8  
141 9.0 10.9 16.3#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.959 min Scan# 307

Delta R.T. 0.001 min

Lab File: VX047138.D

Acq: 25 Jul 2025 13:25

Instrument :

MSVOA\_X

ClientSampleId :

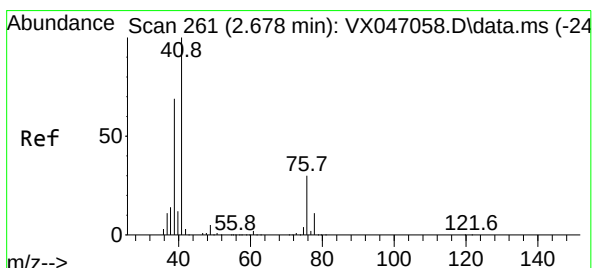
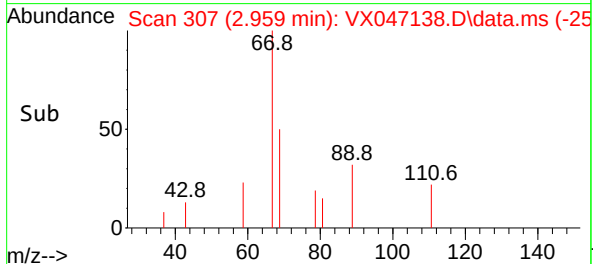
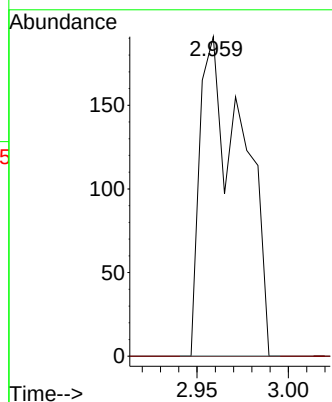
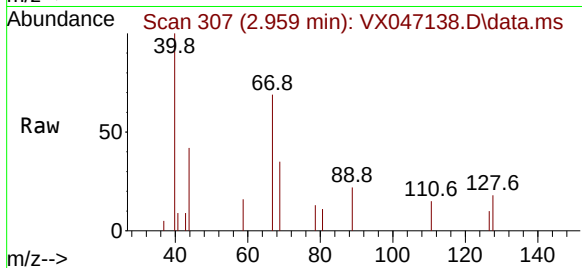
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 59 Resp: 309

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#14

Allyl chloride

Concen: 1.687 ug/l

RT: 2.685 min Scan# 262

Delta R.T. 0.007 min

Lab File: VX047138.D

Acq: 25 Jul 2025 13:25

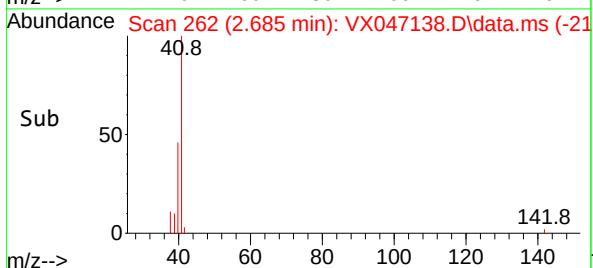
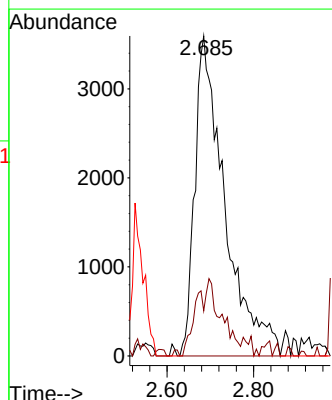
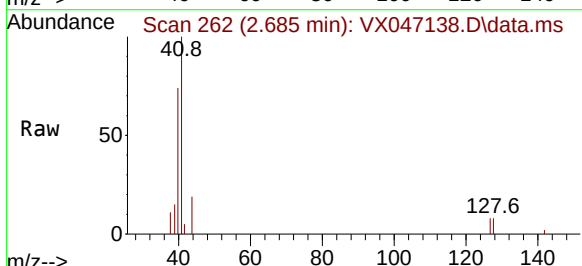
Tgt Ion: 41 Resp: 17274

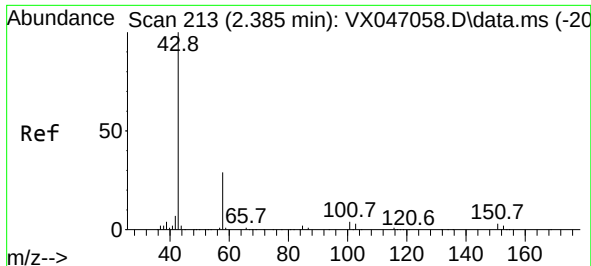
Ion Ratio Lower Upper

41 100

39 7.5 52.6 78.8#

76 0.0 25.7 38.5#

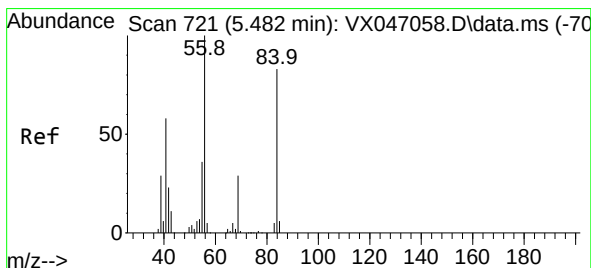
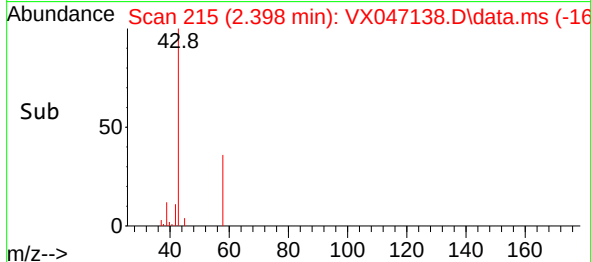
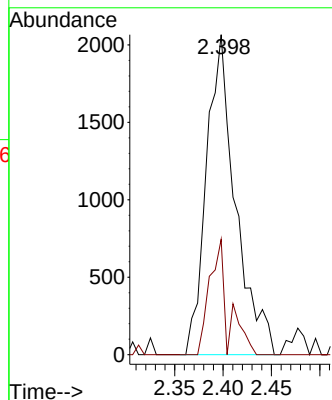
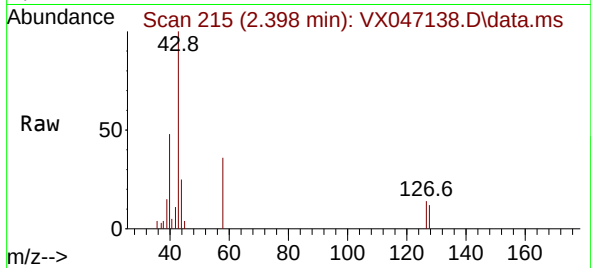




#16  
Acetone  
Concen: 1.919 ug/l  
RT: 2.398 min Scan# 213  
Delta R.T. 0.013 min  
Lab File: VX047138.D  
Acq: 25 Jul 2025 13:25

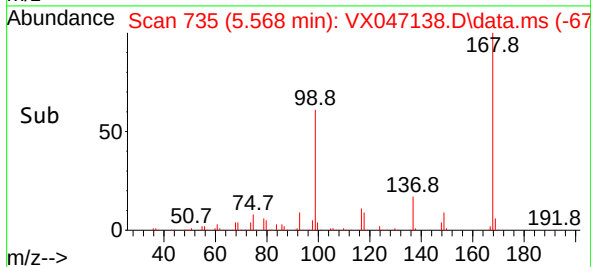
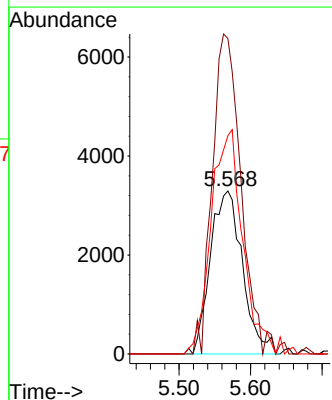
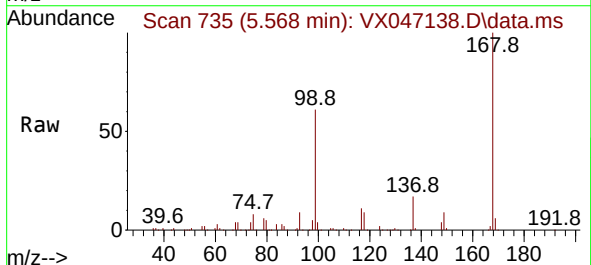
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

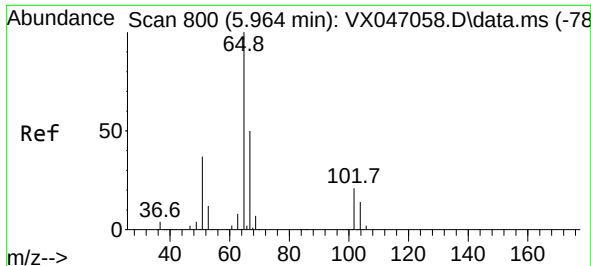
Tgt Ion: 43 Resp: 4315  
Ion Ratio Lower Upper  
43 100  
58 36.1 24.0 36.0#



#31  
Cyclohexane  
Concen: 0.980 ug/l  
RT: 5.568 min Scan# 735  
Delta R.T. 0.086 min  
Lab File: VX047138.D  
Acq: 25 Jul 2025 13:25

Tgt Ion: 56 Resp: 10284  
Ion Ratio Lower Upper  
56 100  
69 196.4 23.3 34.9#  
84 133.9 66.5 99.7#

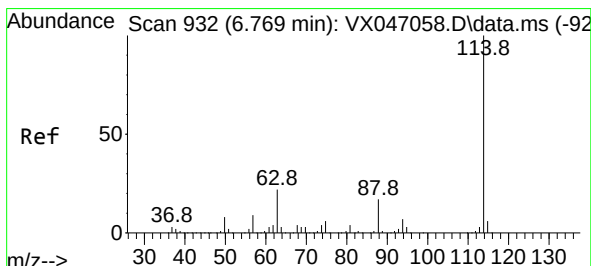
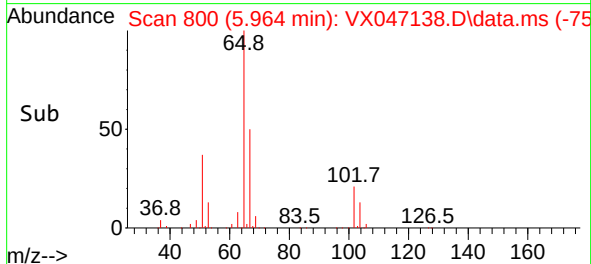
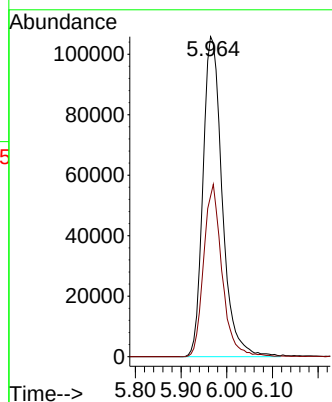
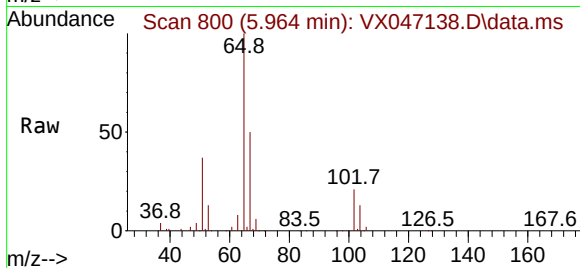




#33  
1,2-Dichloroethane-d4  
Concen: 55.173 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX047138.D  
Acq: 25 Jul 2025 13:25

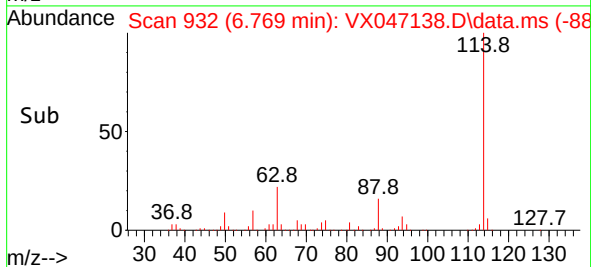
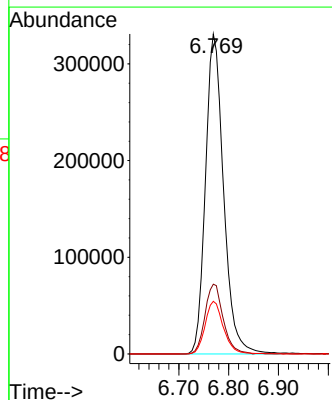
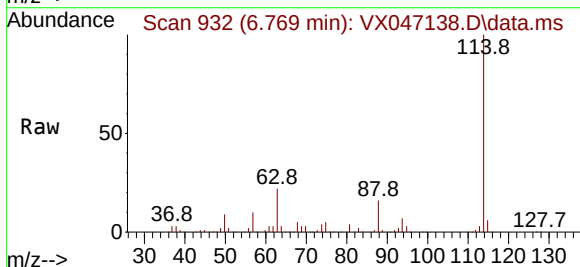
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

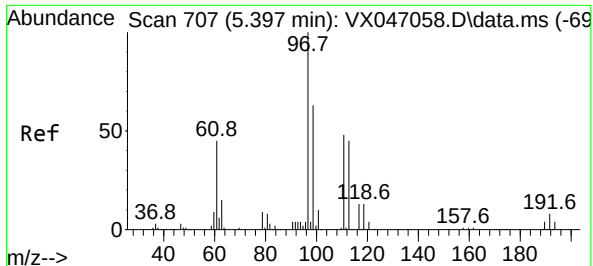
Tgt Ion: 65 Resp: 309700  
Ion Ratio Lower Upper  
65 100  
67 51.4 0.0 104.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX047138.D  
Acq: 25 Jul 2025 13:25

Tgt Ion: 114 Resp: 834470  
Ion Ratio Lower Upper  
114 100  
63 21.8 0.0 43.2  
88 16.5 0.0 33.8





#35

Dibromofluoromethane

Concen: 49.224 ug/l

RT: 5.404 min Scan# 707

Delta R.T. 0.007 min

Lab File: VX047138.D

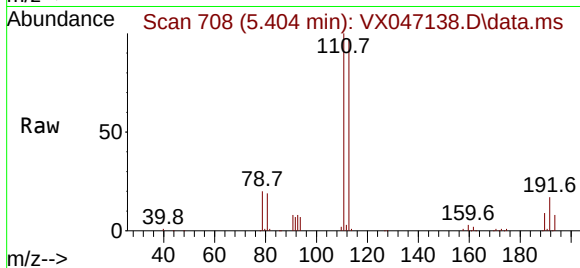
Acq: 25 Jul 2025 13:25

Instrument :

MSVOA\_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4



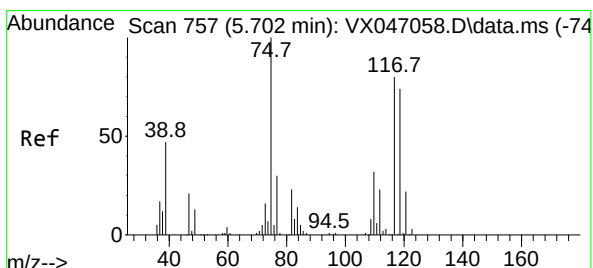
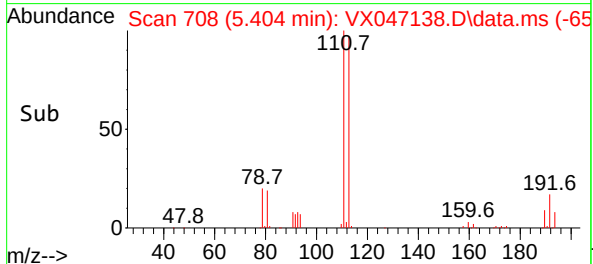
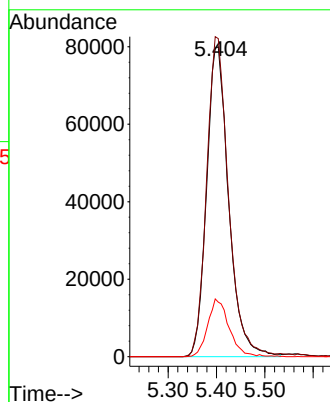
Tgt Ion:113 Resp: 253615

Ion Ratio Lower Upper

113 100

111 102.5 82.6 124.0

192 18.0 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.389 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX047138.D

Acq: 25 Jul 2025 13:25

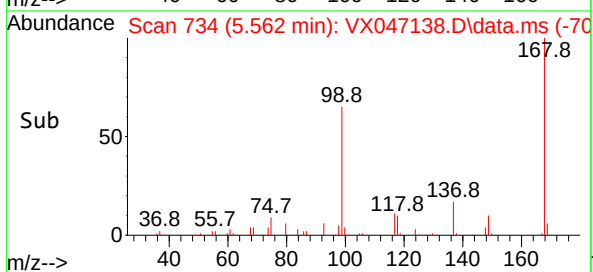
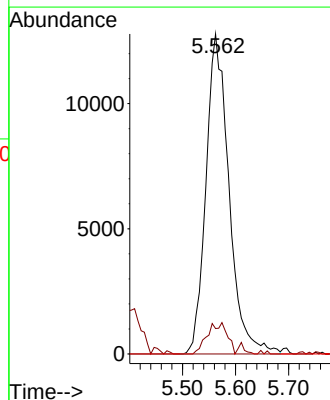
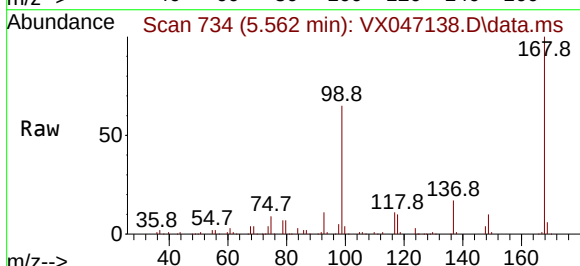
Tgt Ion: 75 Resp: 38543

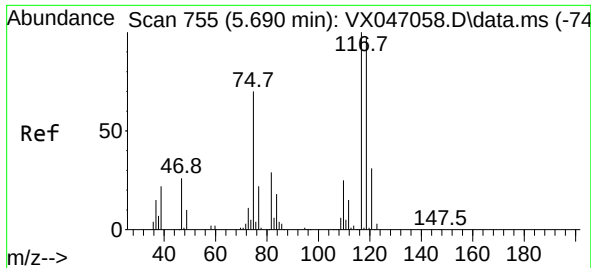
Ion Ratio Lower Upper

75 100

110 8.5 17.2 51.5#

77 0.0 25.1 37.7#

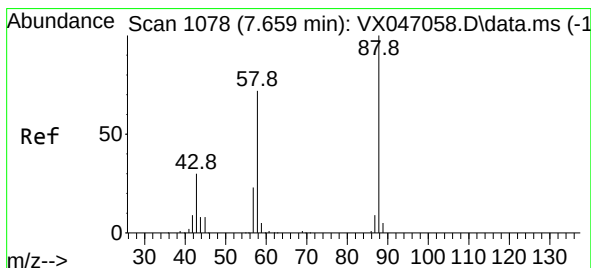
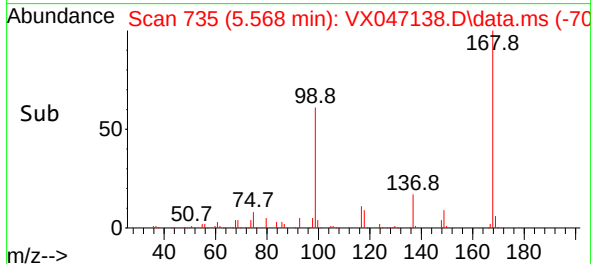
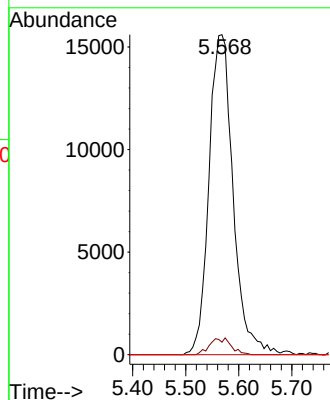
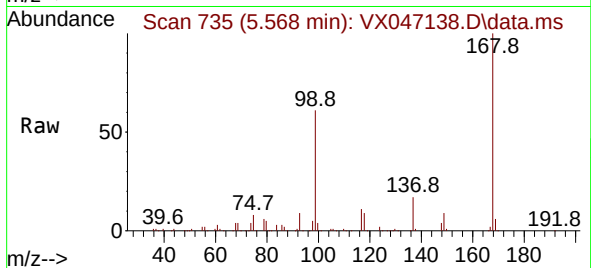




#38  
Carbon Tetrachloride  
Concen: 5.261 ug/l  
RT: 5.568 min Scan# 71  
Delta R.T. -0.121 min  
Lab File: VX047138.D  
Acq: 25 Jul 2025 13:25

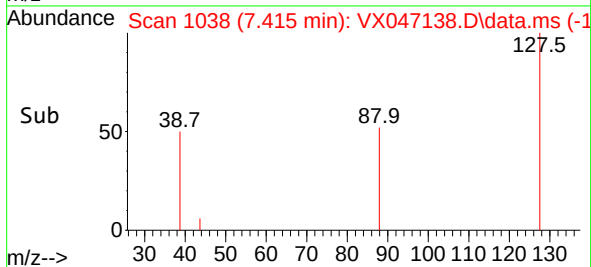
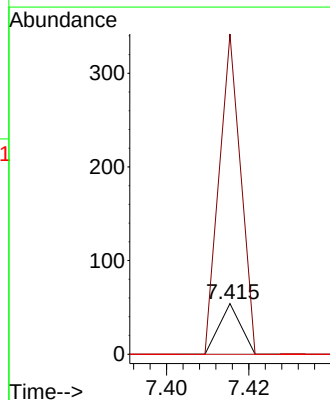
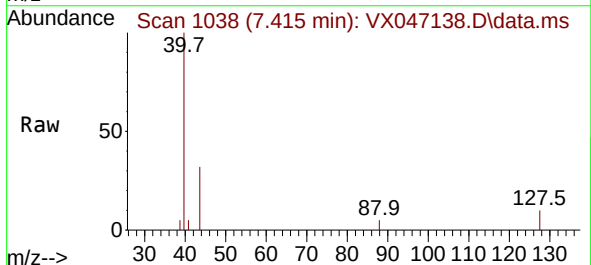
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

Tgt Ion:117 Resp: 49318  
Ion Ratio Lower Upper  
117 100  
119 3.9 76.6 115.0#  
121 0.0 24.4 36.6#

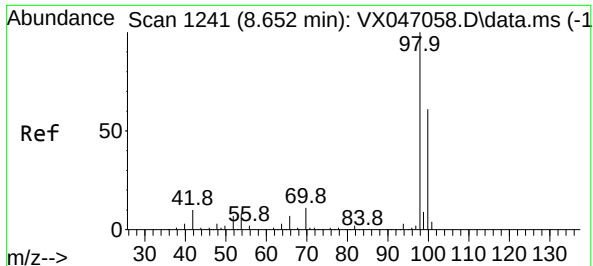


#49  
1,4-Dioxane  
Concen: 0.256 ug/l  
RT: 7.415 min Scan# 1038  
Delta R.T. -0.243 min  
Lab File: VX047138.D  
Acq: 25 Jul 2025 13:25

Tgt Ion: 88 Resp: 20  
Ion Ratio Lower Upper  
88 100  
43 625.0 33.6 50.4#  
58 0.0 58.8 88.2#



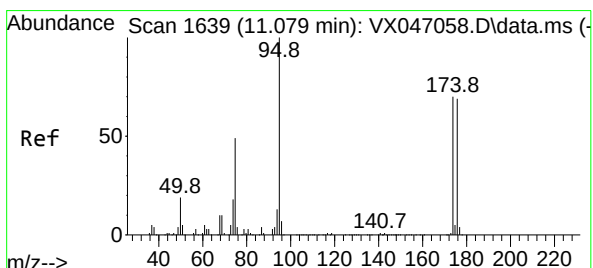
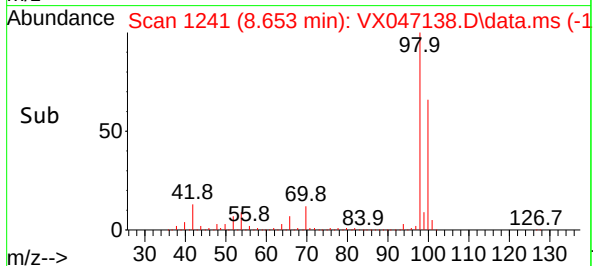
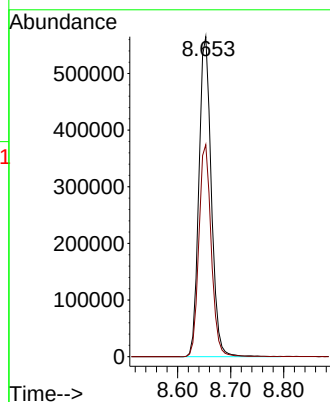
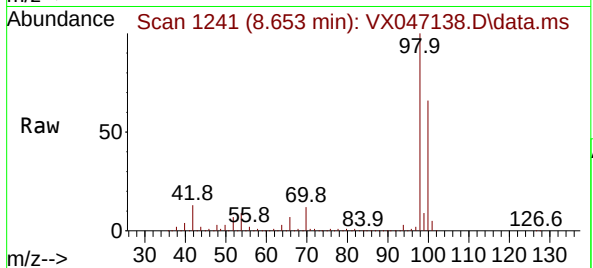




#50  
Toluene-d8  
Concen: 54.954 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VX047138.D  
Acq: 25 Jul 2025 13:25

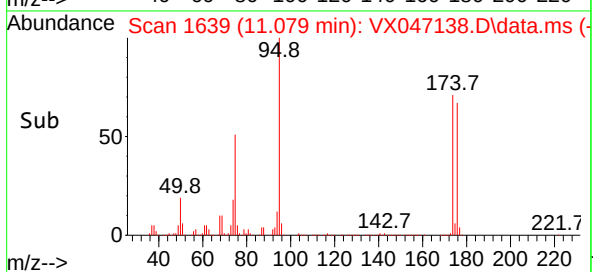
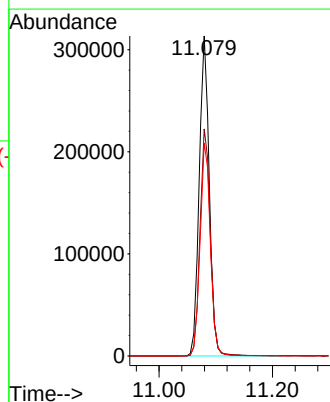
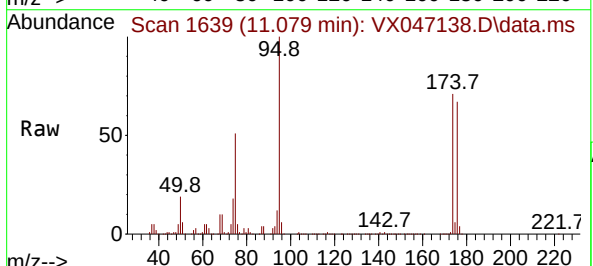
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

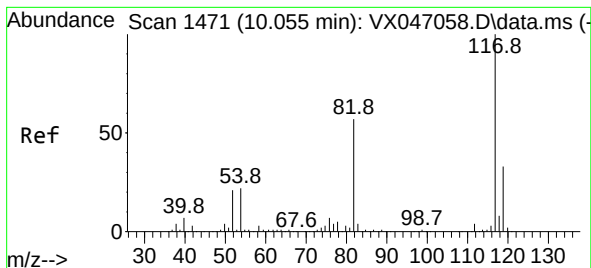
Tgt Ion: 98 Resp: 916941  
Ion Ratio Lower Upper  
98 100  
100 66.3 53.3 79.9



#62  
4-Bromofluorobenzene  
Concen: 53.784 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX047138.D  
Acq: 25 Jul 2025 13:25

Tgt Ion: 95 Resp: 386739  
Ion Ratio Lower Upper  
95 100  
174 72.5 0.0 144.6  
176 67.8 0.0 139.6

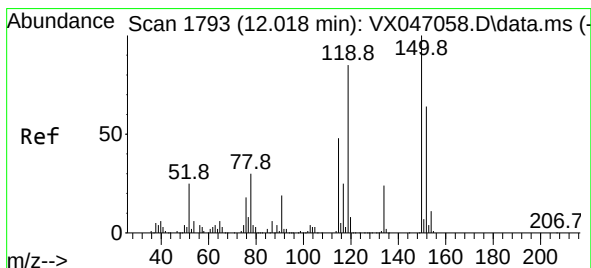
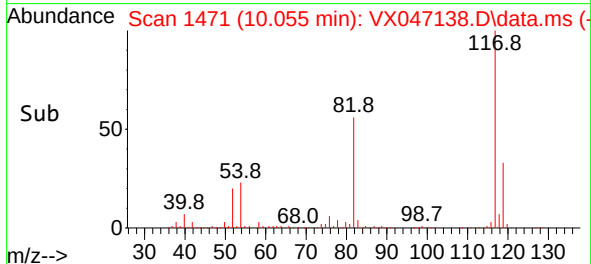
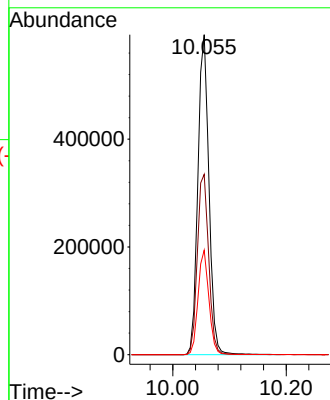
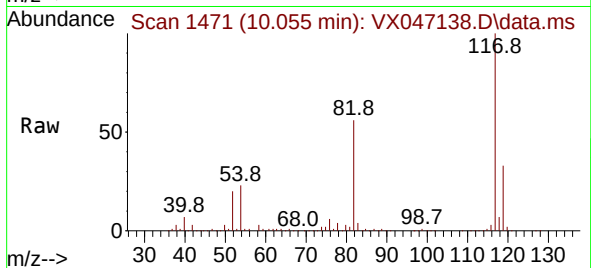




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX047138.D  
Acq: 25 Jul 2025 13:25

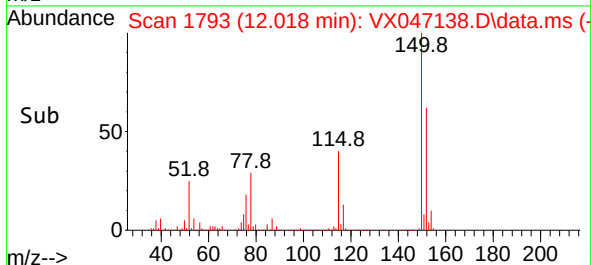
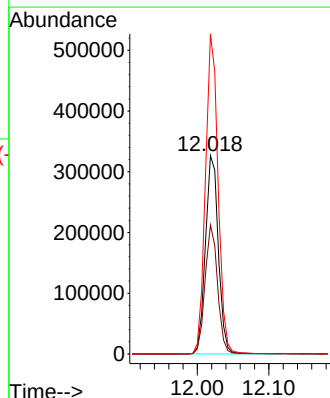
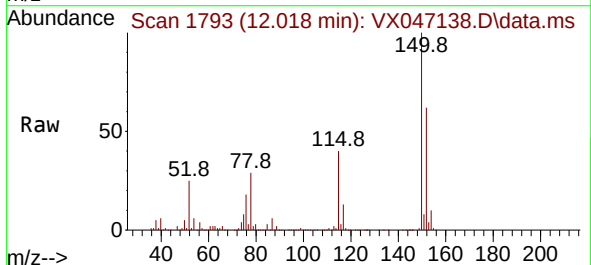
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

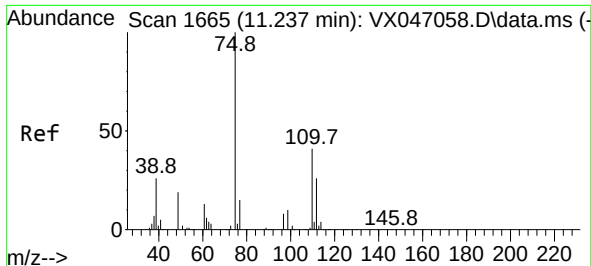
Tgt Ion:117 Resp: 801303  
Ion Ratio Lower Upper  
117 100  
82 56.3 45.4 68.2  
119 32.6 26.1 39.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. 0.001 min  
Lab File: VX047138.D  
Acq: 25 Jul 2025 13:25

Tgt Ion:152 Resp: 410899  
Ion Ratio Lower Upper  
152 100  
115 62.9 45.6 136.7  
150 157.9 0.0 354.6

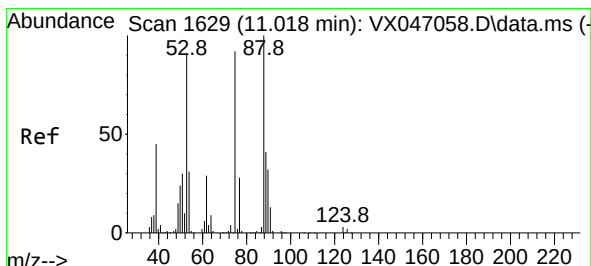
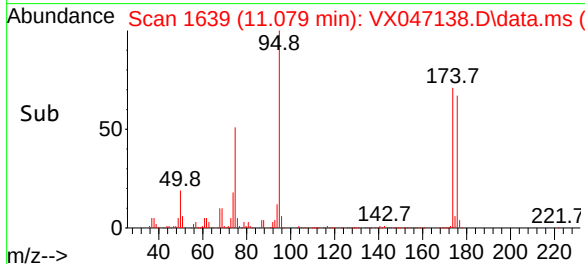
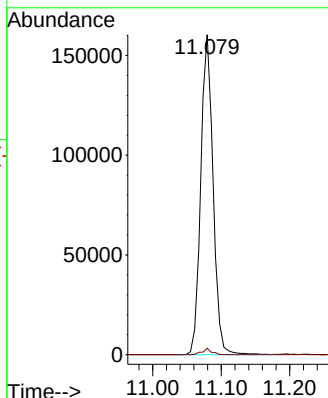
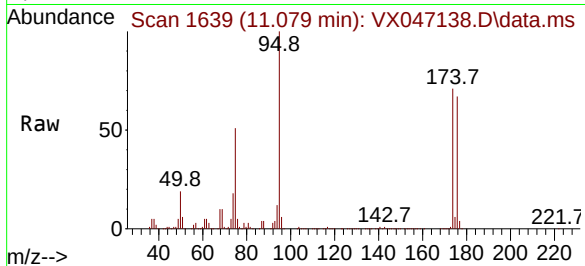




#76  
1,2,3-Trichloropropane  
Concen: 26.440 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX047138.D  
Acq: 25 Jul 2025 13:25

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 75 Resp: 201093  
Ion Ratio Lower Upper  
75 100  
77 1.5 21.6 65.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 68.121 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX047138.D  
Acq: 25 Jul 2025 13:25

Tgt Ion: 75 Resp: 201093  
Ion Ratio Lower Upper  
75 100  
53 0.0 84.2 126.4#  
89 0.0 36.0 54.0#

