

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082225\  
 Data File : VX047504.D  
 Acq On : 22 Aug 2025 17:27  
 Operator : JC/MD  
 Sample : Q2939-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-WATER-REF-5

Quant Time: Aug 25 01:31:24 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 18 04:18:28 2025  
 Response via : Initial Calibration

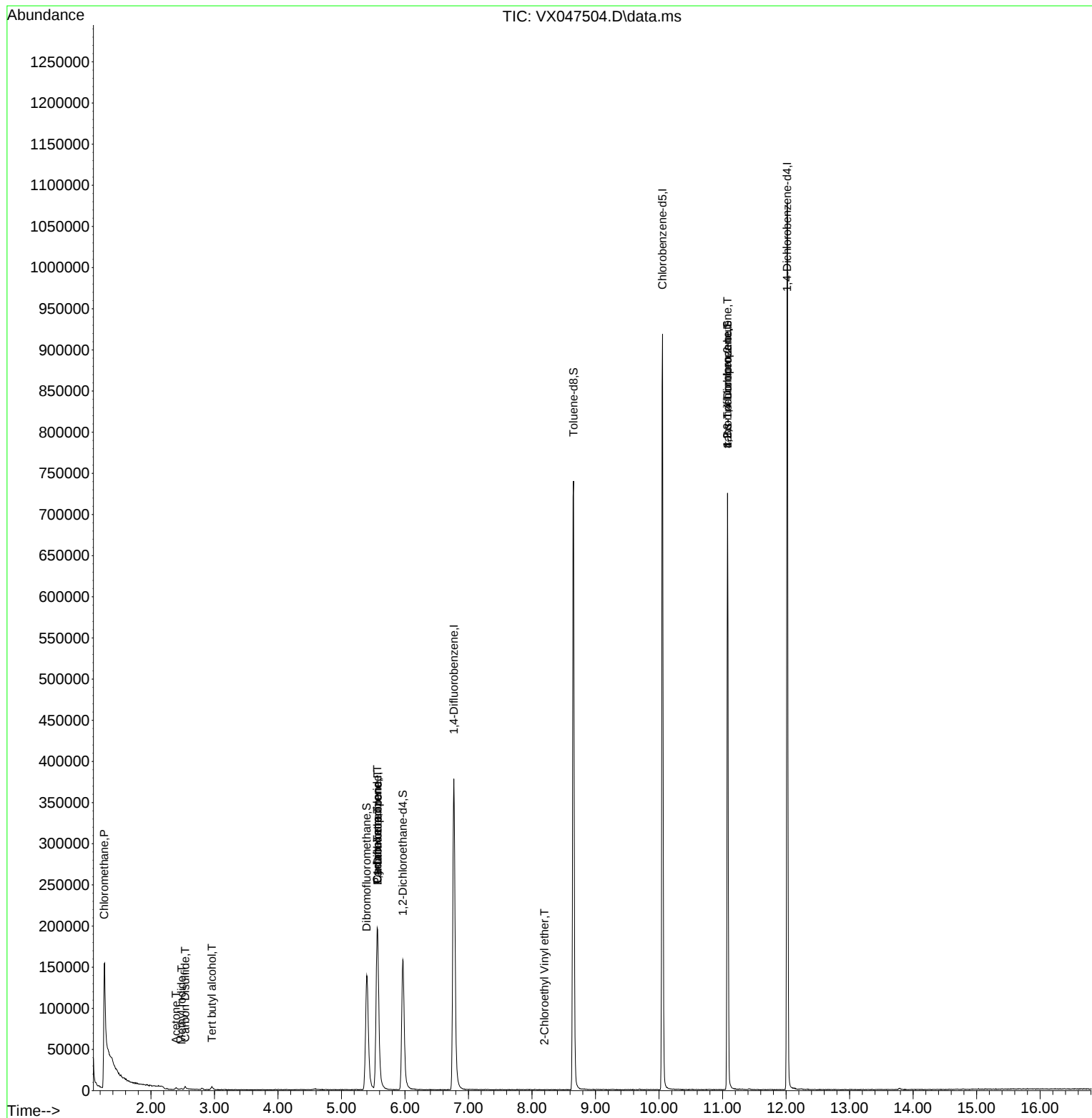
| Compound                      | R.T.   | QIon           | Response | Conc        | Units  | Dev(Min) |
|-------------------------------|--------|----------------|----------|-------------|--------|----------|
| -----                         |        |                |          |             |        |          |
| Internal Standards            |        |                |          |             |        |          |
| 1) Pentafluorobenzene         | 5.568  | 168            | 198256   | 50.000      | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114            | 407439   | 50.000      | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117            | 411354   | 50.000      | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152            | 212020   | 50.000      | ug/l   | 0.00     |
| System Monitoring Compounds   |        |                |          |             |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65             | 167928   | 60.522      | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 78 - 117 | Recovery | = 121.040%# |        |          |
| 35) Dibromofluoromethane      | 5.397  | 113            | 135008   | 51.056      | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 75 - 124 | Recovery | = 102.120%  |        |          |
| 50) Toluene-d8                | 8.653  | 98             | 459218   | 48.587      | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 92 - 112 | Recovery | = 97.180%   |        |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95             | 194404   | 55.739      | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 83 - 123 | Recovery | = 111.480%  |        |          |
| Target Compounds              |        |                |          |             |        |          |
|                               |        |                |          |             | Qvalue |          |
| 3) Chloromethane              | 1.264  | 50             | 4719     | 2.076       | ug/l # | 41       |
| 10) Methyl Iodide             | 2.483  | 142            | 1276     | 0.304       | ug/l # | 75       |
| 11) Tert butyl alcohol        | 2.959  | 59             | 1917     | 7.942       | ug/l # | 72       |
| 16) Acetone                   | 2.392  | 43             | 2986     | 2.863       | ug/l # | 79       |
| 17) Carbon Disulfide          | 2.538  | 76             | 2169     | 0.288       | ug/l   | 98       |
| 31) Cyclohexane               | 5.562  | 56             | 4581     | 1.026       | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.568  | 75             | 16499    | 3.953       | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.562  | 117            | 20656    | 4.528       | ug/l # | 17       |
| 58) 2-Chloroethyl Vinyl ether | 8.196  | 63             | 20       | 8.365       | ug/l # | 46       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75             | 101673   | 26.146      | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75             | 101673   | 103.639     | ug/l # | 7        |
| -----                         |        |                |          |             |        |          |

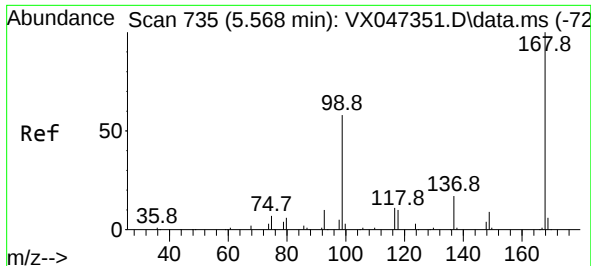
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082225\  
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ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

Quant Time: Aug 25 01:31:24 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 18 04:18:28 2025  
Response via : Initial Calibration

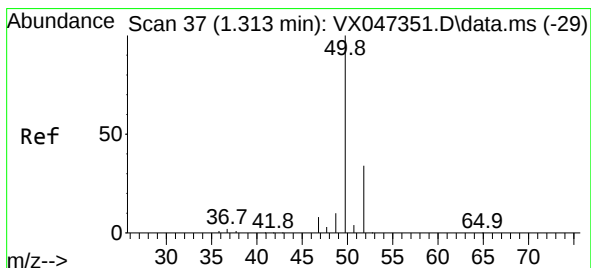
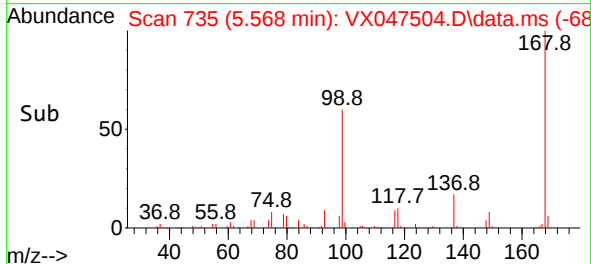
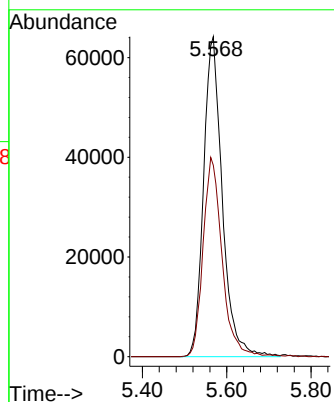
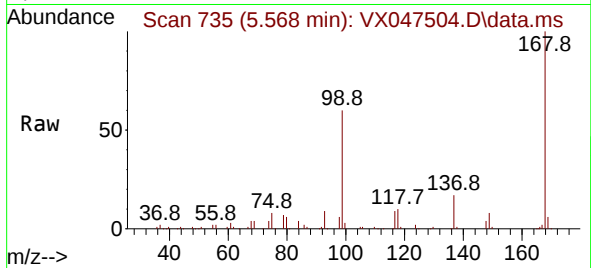




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.568 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VX047504.D  
Acq: 22 Aug 2025 17:27

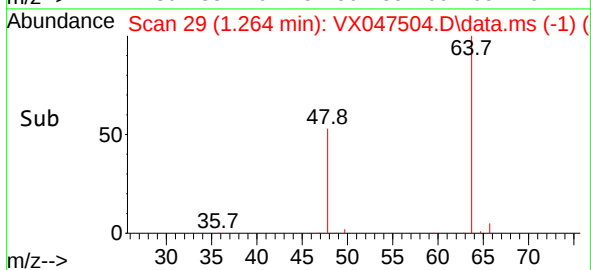
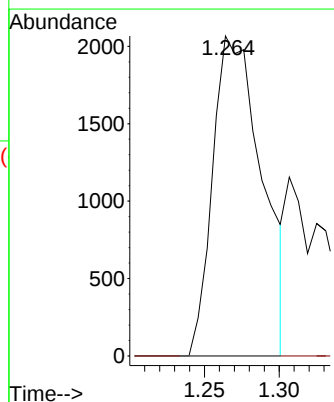
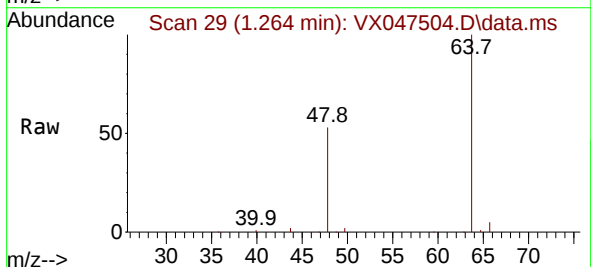
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

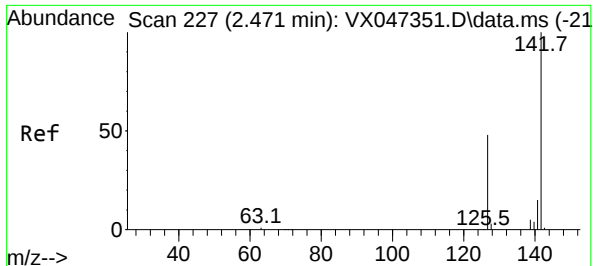
Tgt Ion:168 Resp: 198256  
Ion Ratio Lower Upper  
168 100  
99 59.8 47.9 71.9



#3  
Chloromethane  
Concen: 2.076 ug/l  
RT: 1.264 min Scan# 29  
Delta R.T. -0.049 min  
Lab File: VX047504.D  
Acq: 22 Aug 2025 17:27

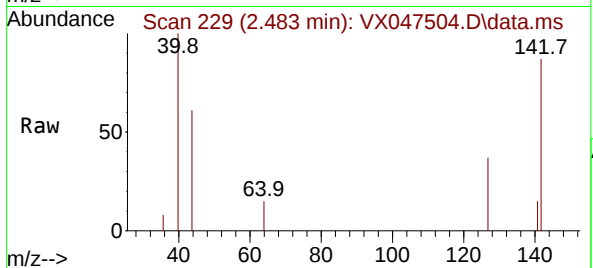
Tgt Ion: 50 Resp: 4719  
Ion Ratio Lower Upper  
50 100  
52 0.0 27.0 40.4#



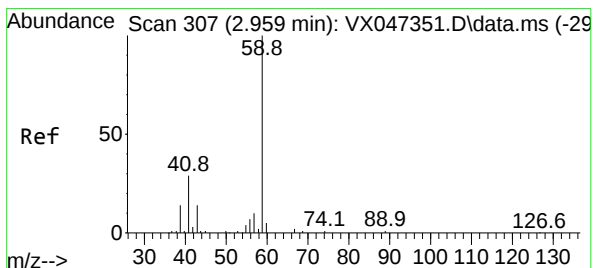
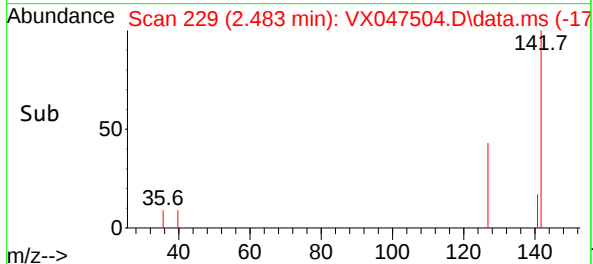
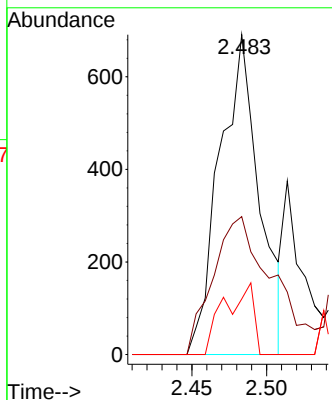


#10  
Methyl Iodide  
Concen: 0.304 ug/l  
RT: 2.483 min Scan# 211  
Delta R.T. 0.012 min  
Lab File: VX047504.D  
Acq: 22 Aug 2025 17:27

Instrument :  
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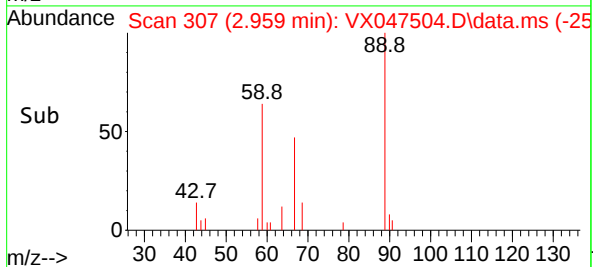
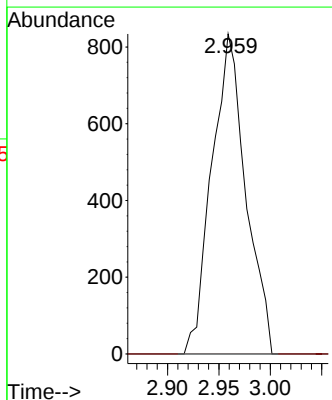
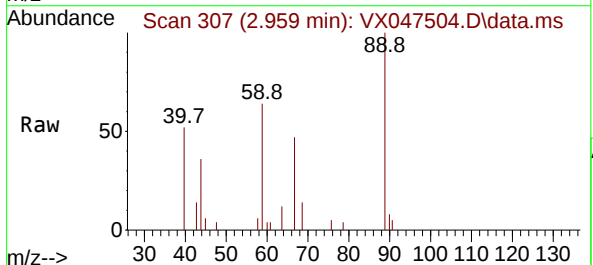


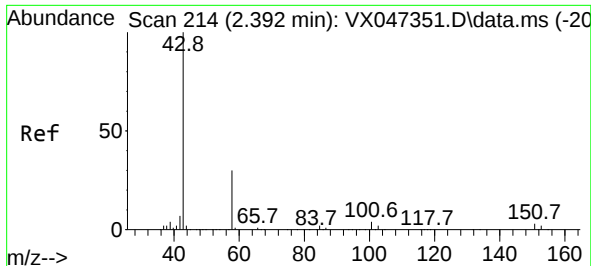
Tgt Ion:142 Resp: 1276  
Ion Ratio Lower Upper  
142 100  
127 65.0 36.1 54.1#  
141 16.5 11.1 16.7



#11  
Tert butyl alcohol  
Concen: 7.942 ug/l  
RT: 2.959 min Scan# 307  
Delta R.T. 0.000 min  
Lab File: VX047504.D  
Acq: 22 Aug 2025 17:27

Tgt Ion: 59 Resp: 1917  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#

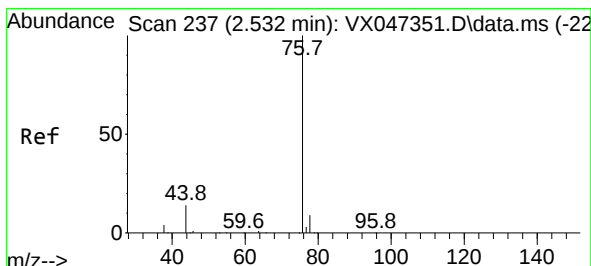
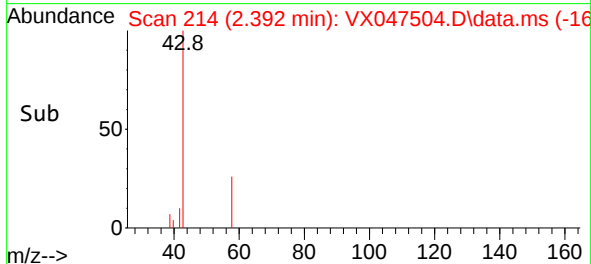
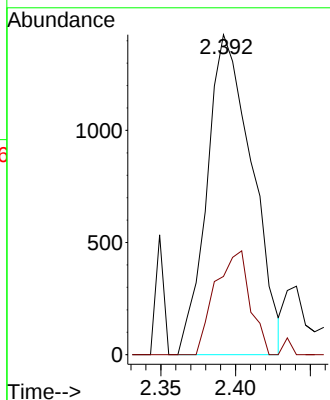
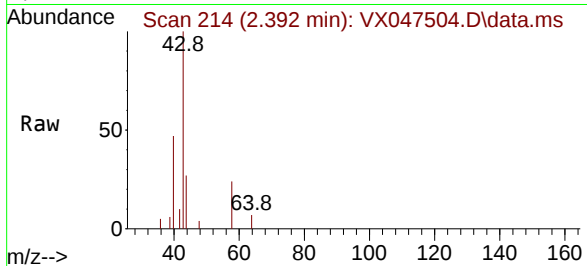




#16  
Acetone  
Concen: 2.863 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. 0.000 min  
Lab File: VX047504.D  
Acq: 22 Aug 2025 17:27

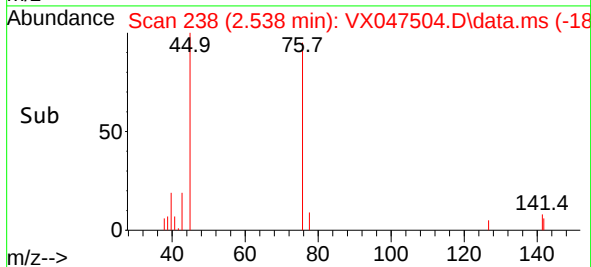
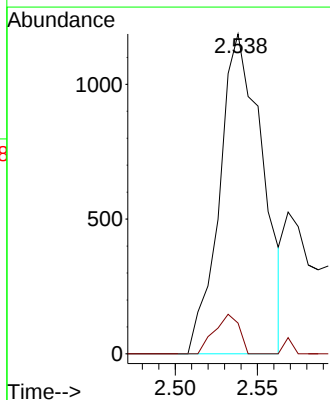
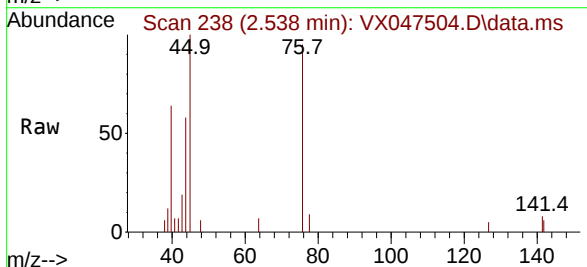
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

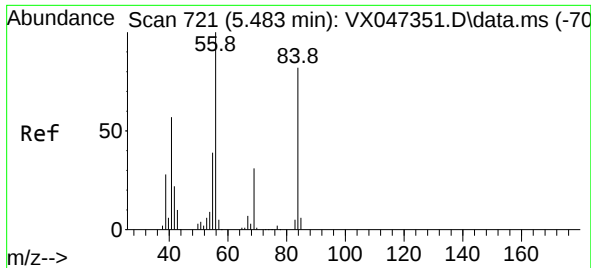
Tgt Ion: 43 Resp: 2986  
Ion Ratio Lower Upper  
43 100  
58 19.3 24.8 37.2#



#17  
Carbon Disulfide  
Concen: 0.288 ug/l  
RT: 2.538 min Scan# 238  
Delta R.T. 0.006 min  
Lab File: VX047504.D  
Acq: 22 Aug 2025 17:27

Tgt Ion: 76 Resp: 2169  
Ion Ratio Lower Upper  
76 100  
78 9.6 7.2 10.8

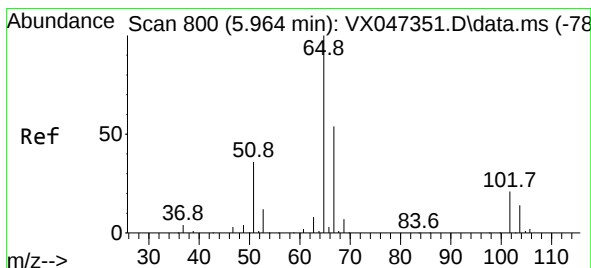
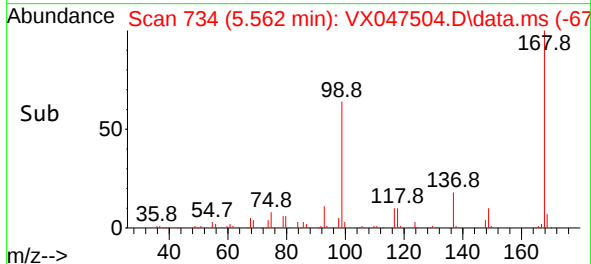
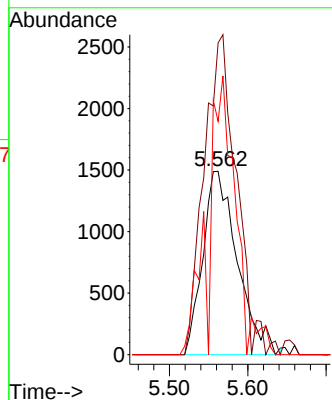
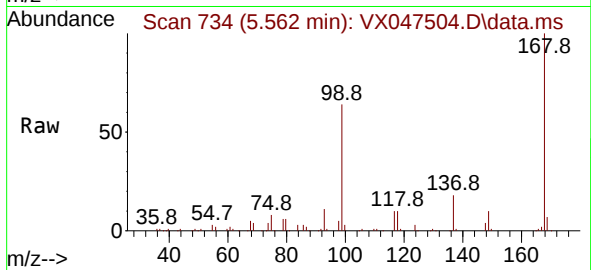




#31  
Cyclohexane  
Concen: 1.026 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. 0.079 min  
Lab File: VX047504.D  
Acq: 22 Aug 2025 17:27

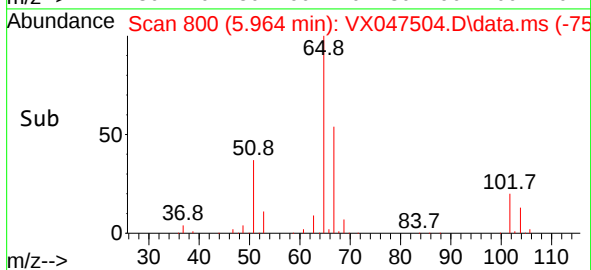
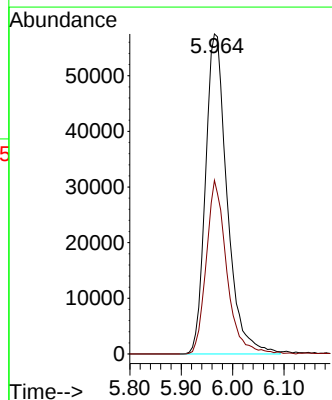
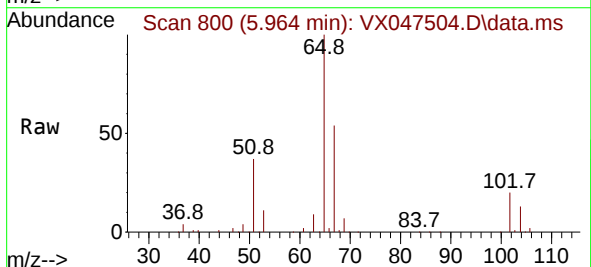
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

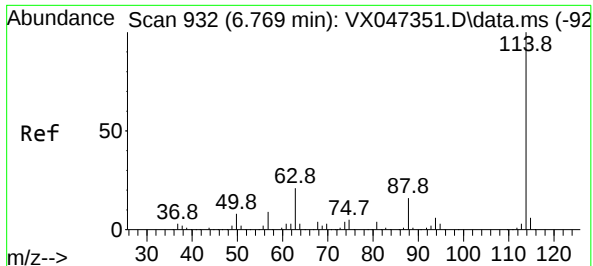
Tgt Ion: 56 Resp: 4581  
Ion Ratio Lower Upper  
56 100  
69 170.1 24.3 36.5#  
84 127.2 65.3 97.9#



#33  
1,2-Dichloroethane-d4  
Concen: 60.522 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX047504.D  
Acq: 22 Aug 2025 17:27

Tgt Ion: 65 Resp: 167928  
Ion Ratio Lower Upper  
65 100  
67 51.4 0.0 106.0

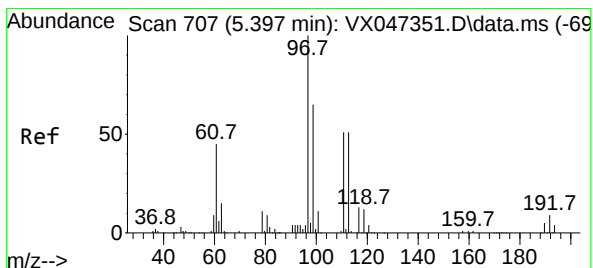
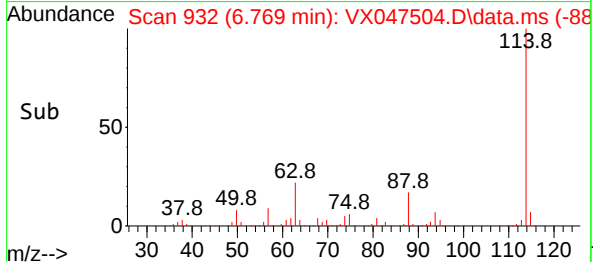
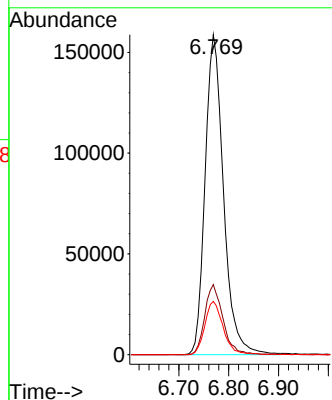
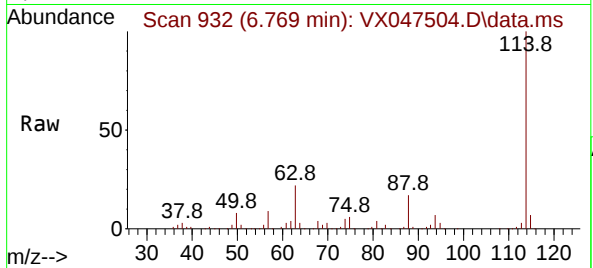




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VX047504.D  
Acq: 22 Aug 2025 17:27

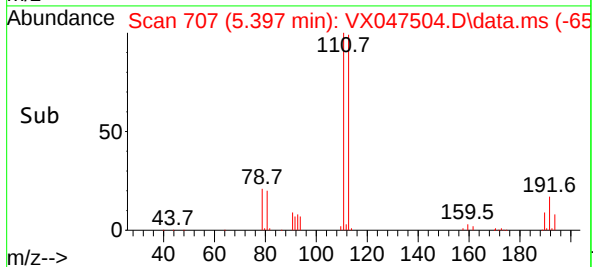
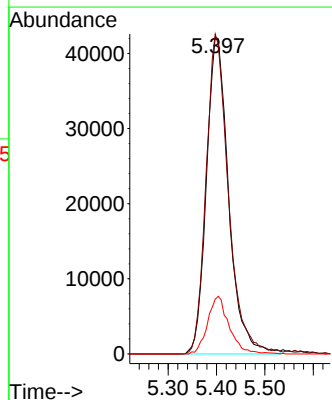
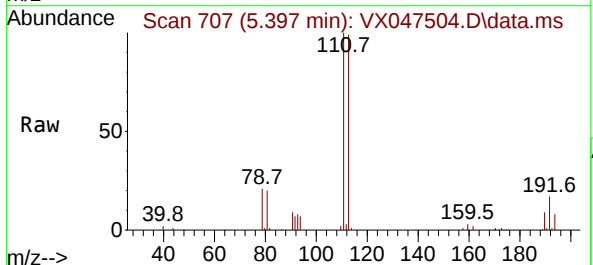
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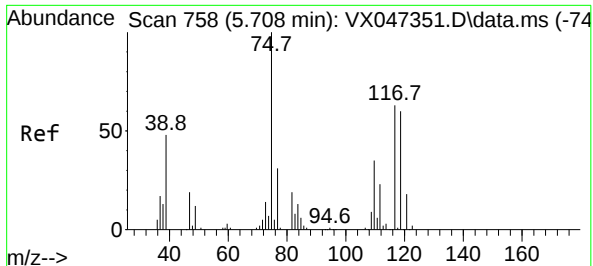
Tgt Ion:114 Resp: 407439  
Ion Ratio Lower Upper  
114 100  
63 21.9 0.0 42.4  
88 16.7 0.0 33.0



#35  
Dibromofluoromethane  
Concen: 51.056 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX047504.D  
Acq: 22 Aug 2025 17:27

Tgt Ion:113 Resp: 135008  
Ion Ratio Lower Upper  
113 100  
111 101.0 81.4 122.2  
192 17.4 14.1 21.1

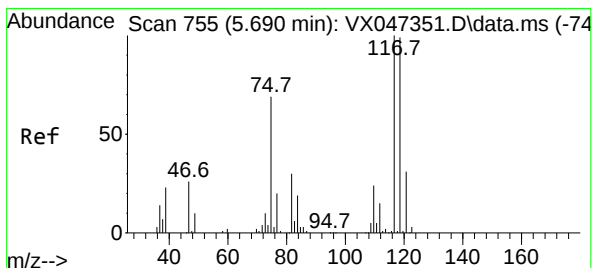
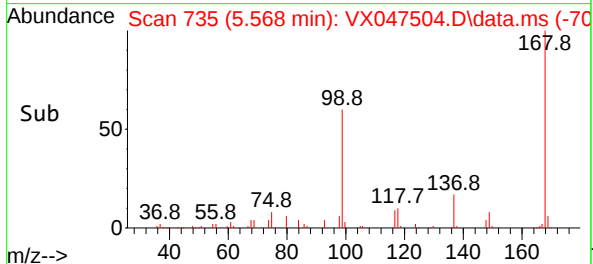
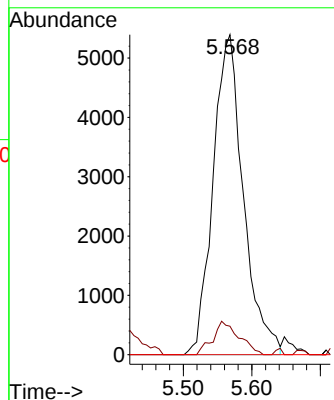
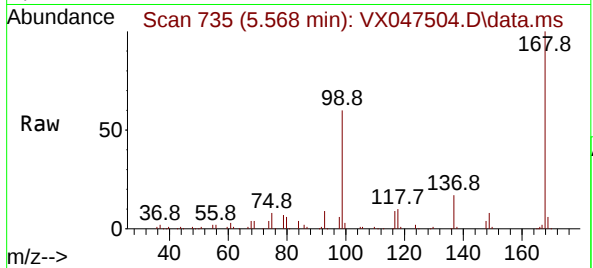




#36  
1,1-Dichloropropene  
Concen: 3.953 ug/l  
RT: 5.568 min Scan# 714  
Delta R.T. -0.140 min  
Lab File: VX047504.D  
Acq: 22 Aug 2025 17:27

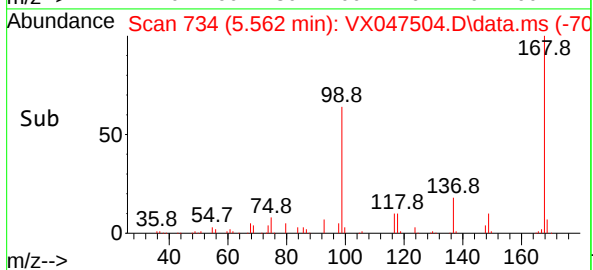
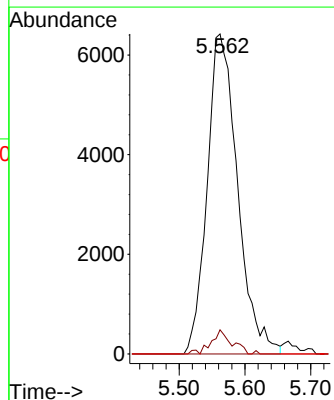
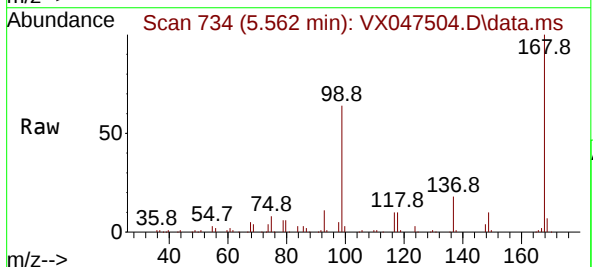
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MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

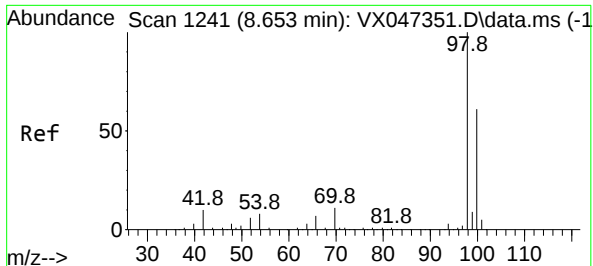
Tgt Ion: 75 Resp: 16499  
Ion Ratio Lower Upper  
75 100  
110 9.1 17.4 52.2#  
77 0.0 24.4 36.6#



#38  
Carbon Tetrachloride  
Concen: 4.528 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.128 min  
Lab File: VX047504.D  
Acq: 22 Aug 2025 17:27

Tgt Ion: 117 Resp: 20656  
Ion Ratio Lower Upper  
117 100  
119 7.5 78.5 117.7#  
121 0.0 24.7 37.1#

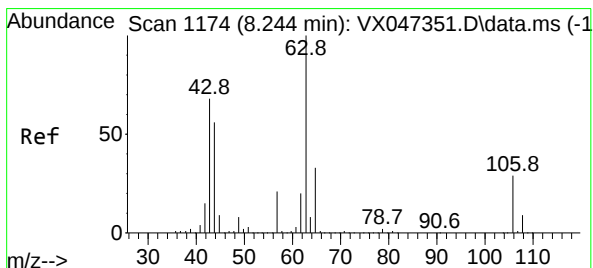
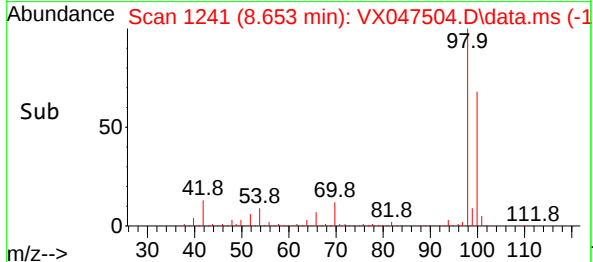
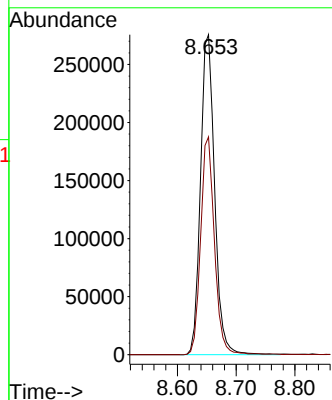
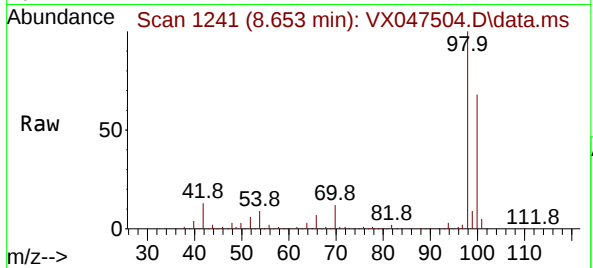




#50  
Toluene-d8  
Concen: 48.587 ug/l  
RT: 8.653 min Scan# 1166  
Delta R.T. 0.000 min  
Lab File: VX047504.D  
Acq: 22 Aug 2025 17:27

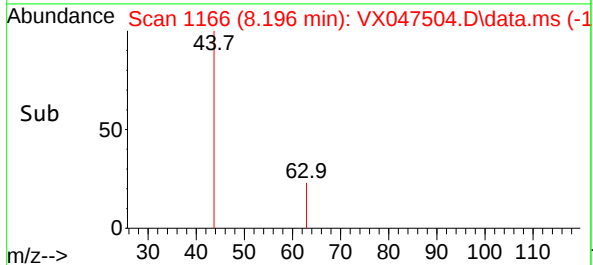
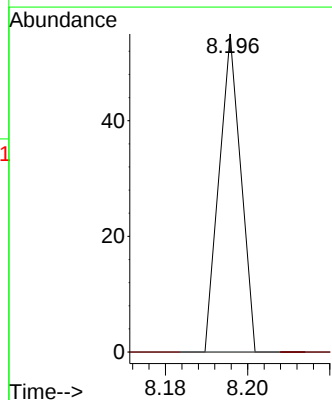
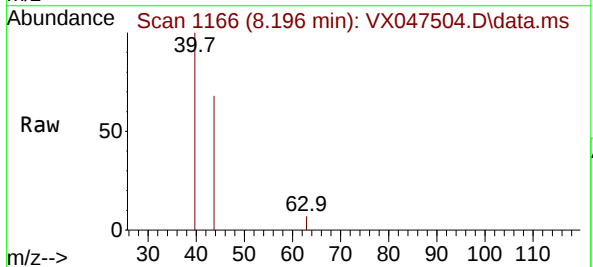
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

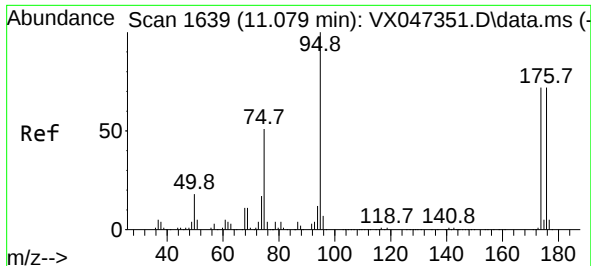
Tgt Ion: 98 Resp: 459218  
Ion Ratio Lower Upper  
98 100  
100 66.4 53.9 80.9



#58  
2-Chloroethyl Vinyl ether  
Concen: 8.365 ug/l  
RT: 8.196 min Scan# 1166  
Delta R.T. -0.049 min  
Lab File: VX047504.D  
Acq: 22 Aug 2025 17:27

Tgt Ion: 63 Resp: 20  
Ion Ratio Lower Upper  
63 100  
106 0.0 22.8 34.2#

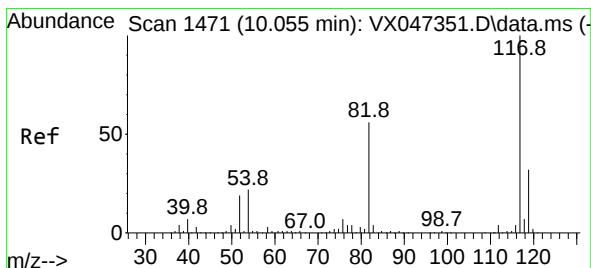
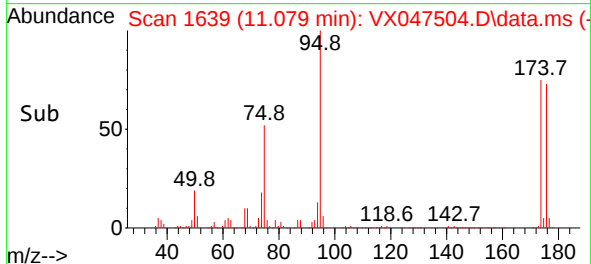
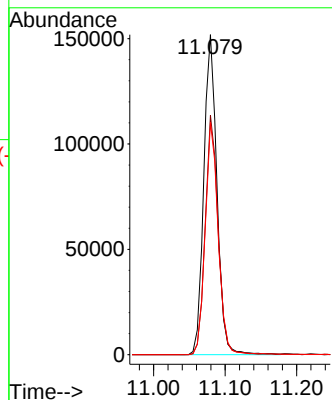
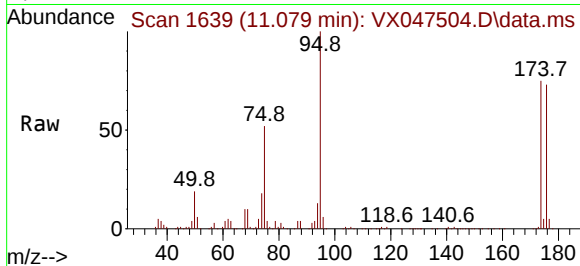




#62  
4-Bromofluorobenzene  
Concen: 55.739 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX047504.D  
Acq: 22 Aug 2025 17:27

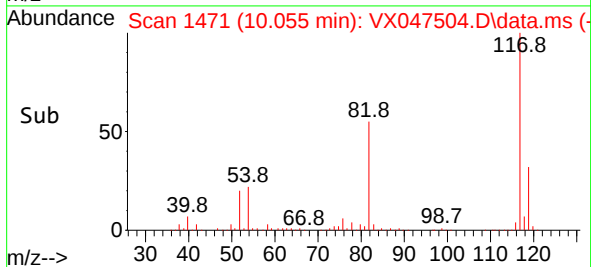
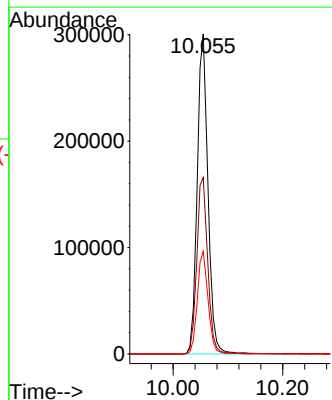
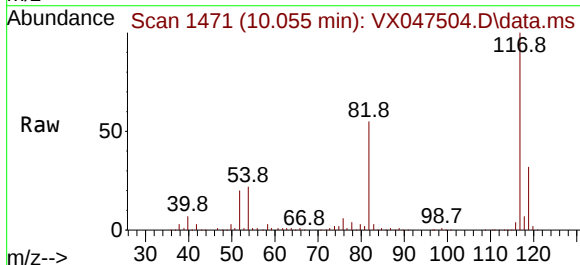
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

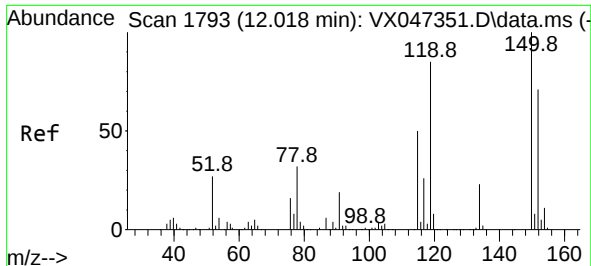
Tgt Ion: 95 Resp: 194404  
Ion Ratio Lower Upper  
95 100  
174 73.2 0.0 148.0  
176 72.1 0.0 145.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX047504.D  
Acq: 22 Aug 2025 17:27

Tgt Ion: 117 Resp: 411354  
Ion Ratio Lower Upper  
117 100  
82 55.2 45.0 67.4  
119 32.1 25.8 38.8

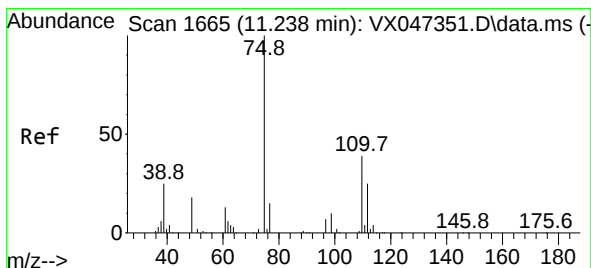
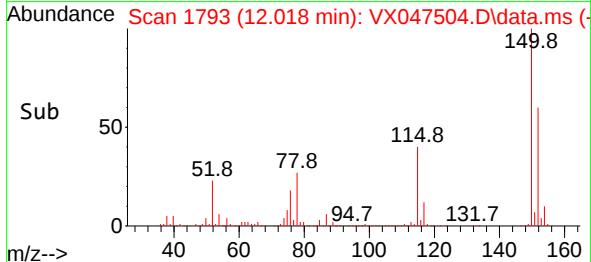
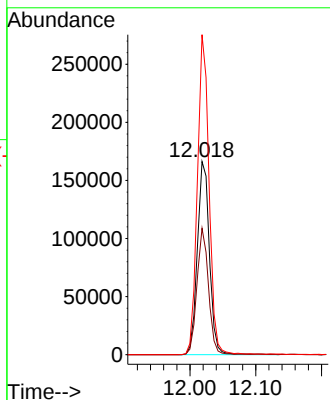
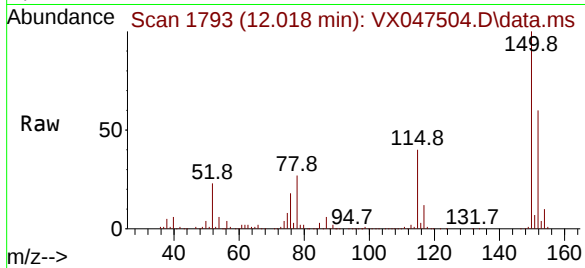




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.018 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX047504.D  
 Acq: 22 Aug 2025 17:27

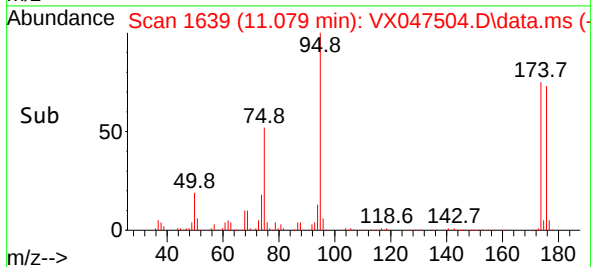
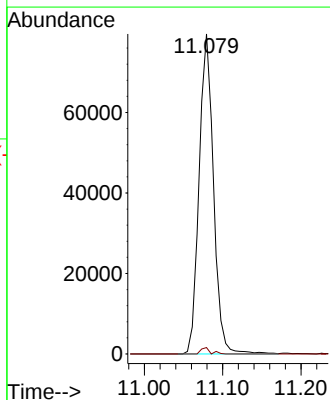
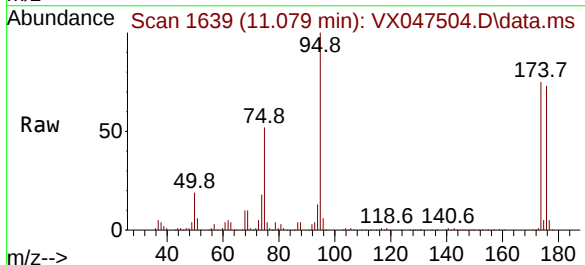
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-WATER-REF-5

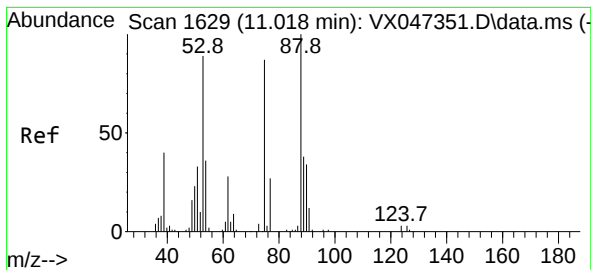
Tgt Ion:152 Resp: 212020  
 Ion Ratio Lower Upper  
 152 100  
 115 62.4 44.6 133.8  
 150 159.7 0.0 349.8



#76  
 1,2,3-Trichloropropane  
 Concen: 26.146 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.158 min  
 Lab File: VX047504.D  
 Acq: 22 Aug 2025 17:27

Tgt Ion: 75 Resp: 101673  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 19.4 58.2#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 103.639 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX047504.D  
 Acq: 22 Aug 2025 17:27

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-WATER-REF-5

Tgt Ion: 75 Resp: 101673  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 85.2 127.8#  
 89 0.0 36.7 55.1#

