

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022725\  
 Data File : VX045063.D  
 Acq On : 27 Feb 2025 15:19  
 Operator : JC/MD  
 Sample : Q1403-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Storage-Blank-WATER-REF-5

Quant Time: Feb 28 00:43:55 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

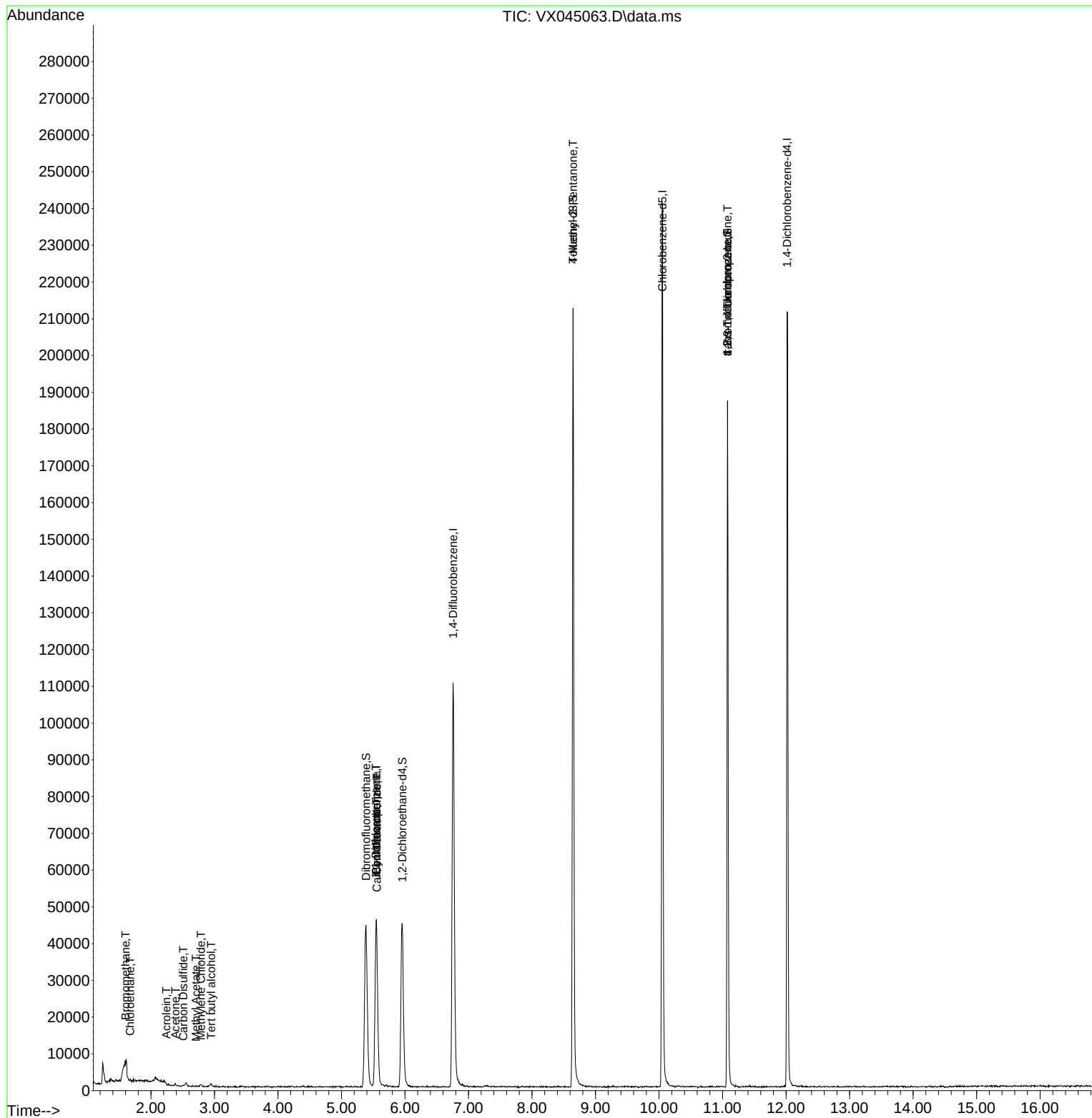
| Compound                      | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------------|----------|
| -----                         |        |       |          |          |             |          |
| Internal Standards            |        |       |          |          |             |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 42372    | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 113910   | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 112715   | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 43071    | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds   |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 43197    | 69.645   | ug/l        | 0.01     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | = 139.280%# |          |
| 35) Dibromofluoromethane      | 5.385  | 113   | 39978    | 53.980   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 107.960%  |          |
| 50) Toluene-d8                | 8.647  | 98    | 124872   | 44.589   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | = 89.180%   |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 49510    | 52.441   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | = 104.880%  |          |
| Target Compounds              |        |       |          |          |             |          |
|                               |        |       |          |          | Qvalue      |          |
| 5) Bromomethane               | 1.599  | 94    | 127      | 0.606    | ug/l #      | 5        |
| 6) Chloroethane               | 1.672  | 64    | 162      | 1.818    | ug/l #      | 42       |
| 11) Tert butyl alcohol        | 2.947  | 59    | 483      | 4.198    | ug/l #      | 73       |
| 13) Acrolein                  | 2.239  | 56    | 25       | 0.211    | ug/l #      | 15       |
| 16) Acetone                   | 2.386  | 43    | 564      | 2.262    | ug/l        | 95       |
| 17) Carbon Disulfide          | 2.508  | 76    | 466      | 0.311    | ug/l #      | 76       |
| 18) Methyl Acetate            | 2.709  | 43    | 224      | 0.285    | ug/l #      | 52       |
| 20) Methylene Chloride        | 2.788  | 84    | 231      | 0.378    | ug/l #      | 73       |
| 31) Cyclohexane               | 5.550  | 56    | 1079     | 1.120    | ug/l #      | 11       |
| 36) 1,1-Dichloropropene       | 5.544  | 75    | 3845     | 3.599    | ug/l #      | 49       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 4574     | 4.368    | ug/l #      | 15       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 643      | 0.551    | ug/l #      | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 26226    | 27.463   | ug/l #      | 34       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 26226    | 70.646   | ug/l #      | 11       |
| -----                         |        |       |          |          |             |          |

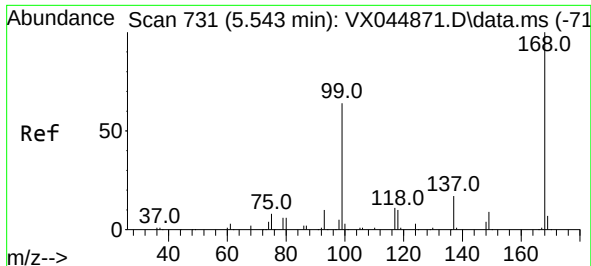
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022725\  
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Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
Storage-Blank-WATER-REF-5

Quant Time: Feb 28 00:43:55 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration

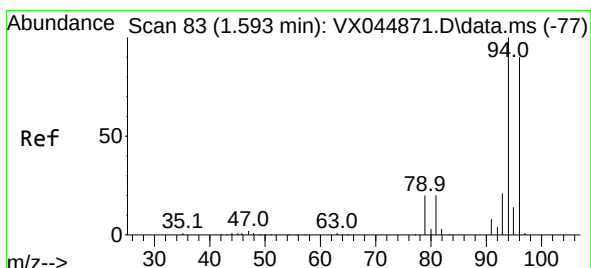
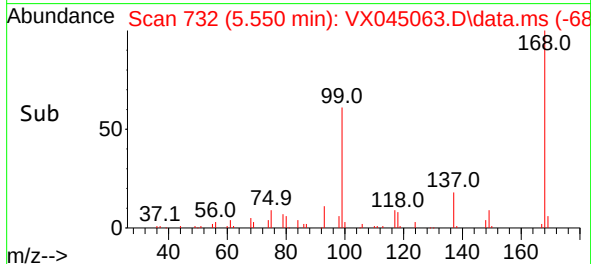
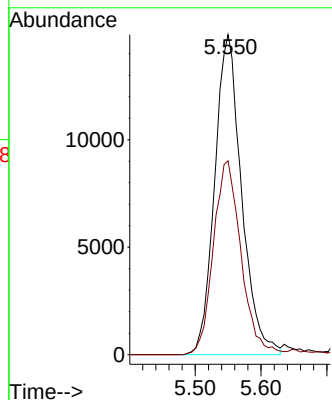
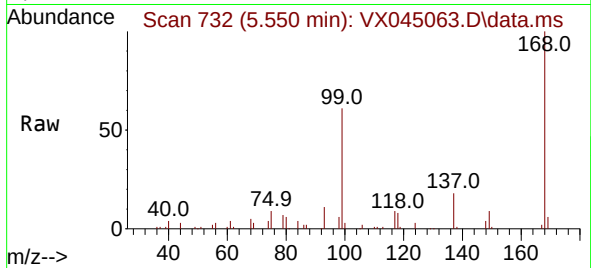




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.007 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

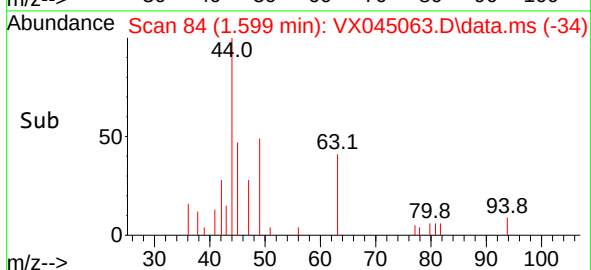
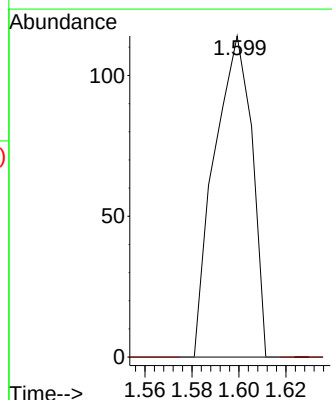
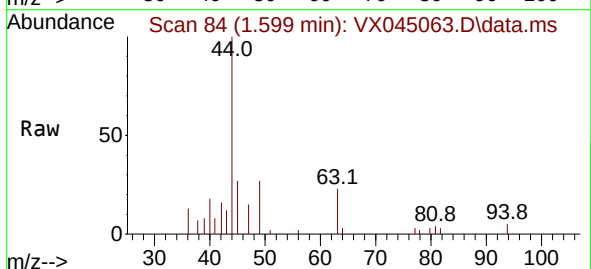
Instrument :  
MSVOA\_X  
ClientSampleId :  
Storage-Blank-WATER-REF-5

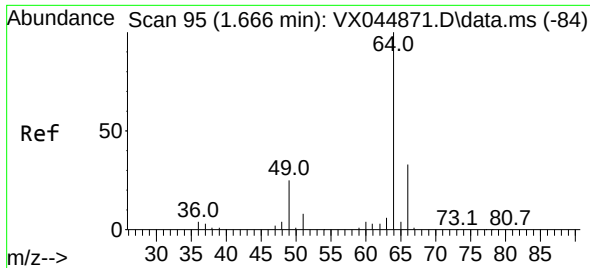
Tgt Ion:168 Resp: 42372  
Ion Ratio Lower Upper  
168 100  
99 60.6 51.2 76.8



#5  
Bromomethane  
Concen: 0.606 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.006 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

Tgt Ion: 94 Resp: 127  
Ion Ratio Lower Upper  
94 100  
96 0.0 71.6 107.4#

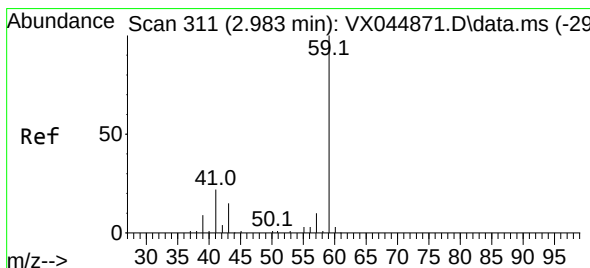
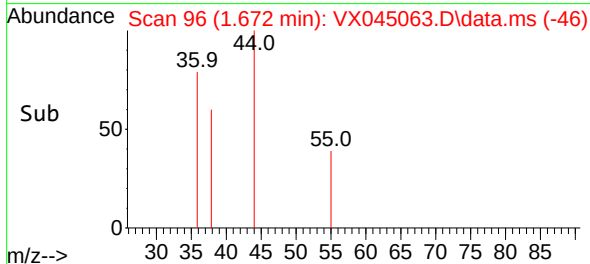
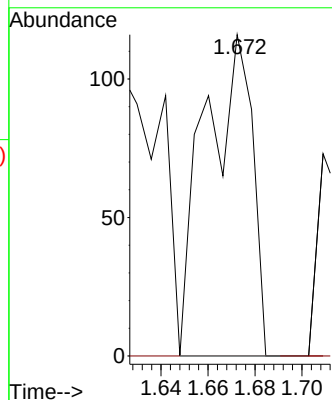
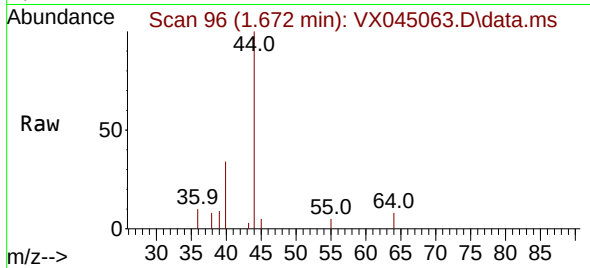




#6  
Chloroethane  
Concen: 1.818 ug/l  
RT: 1.672 min Scan# 90  
Delta R.T. 0.006 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

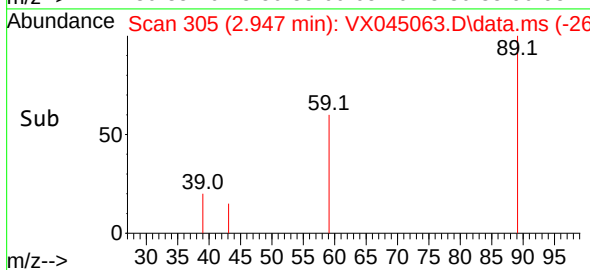
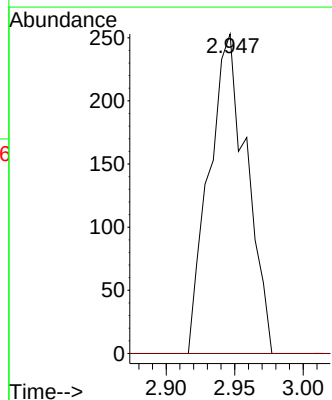
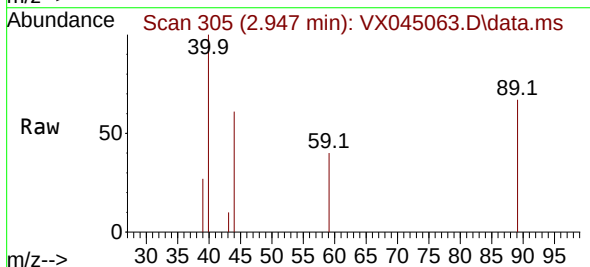
Instrument :  
MSVOA\_X  
ClientSampleId :  
Storage-Blank-WATER-REF-5

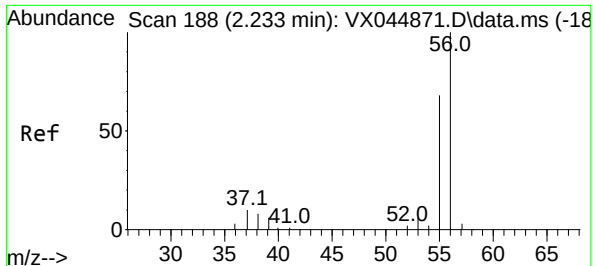
Tgt Ion: 64 Resp: 162  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.9 38.9#



#11  
Tert butyl alcohol  
Concen: 4.198 ug/l  
RT: 2.947 min Scan# 305  
Delta R.T. -0.036 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

Tgt Ion: 59 Resp: 483  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.1 12.1#

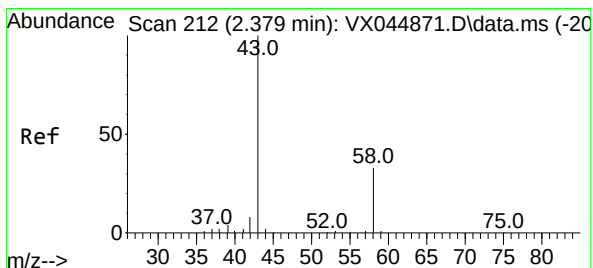
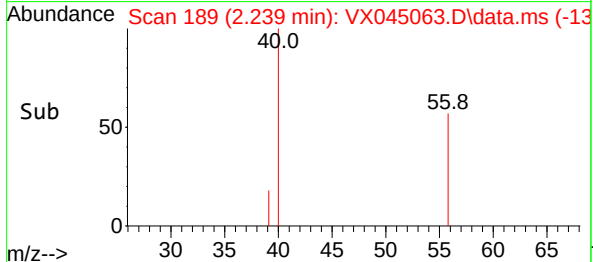
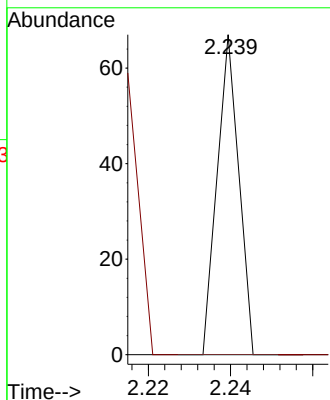
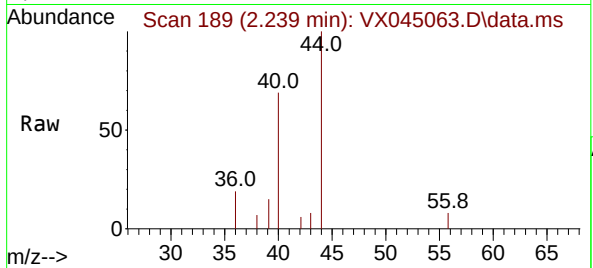




#13  
Acrolein  
Concen: 0.211 ug/l  
RT: 2.239 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

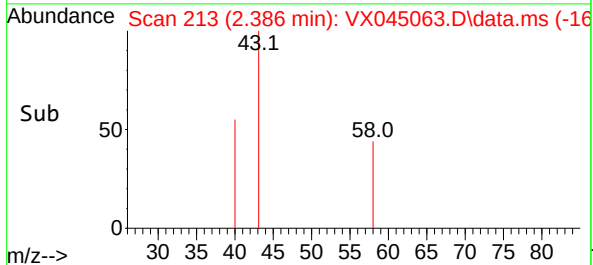
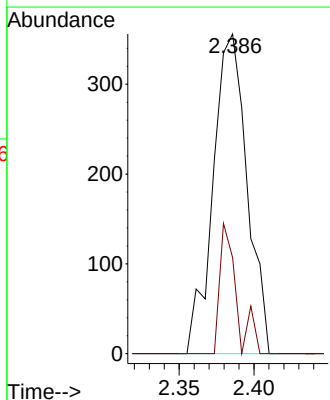
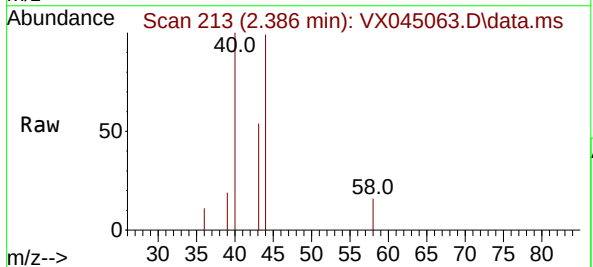
Instrument :  
MSVOA\_X  
ClientSampleId :  
Storage-Blank-WATER-REF-5

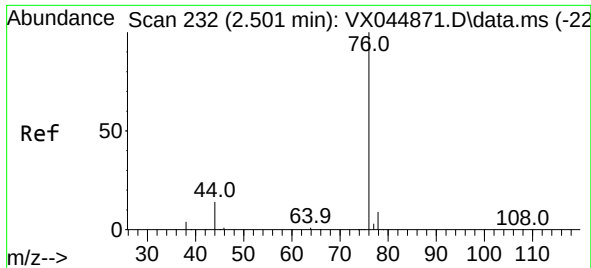
Tgt Ion: 56 Resp: 25  
Ion Ratio Lower Upper  
56 100  
55 0.0 55.7 83.5#



#16  
Acetone  
Concen: 2.262 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.006 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

Tgt Ion: 43 Resp: 564  
Ion Ratio Lower Upper  
43 100  
58 30.1 26.5 39.7

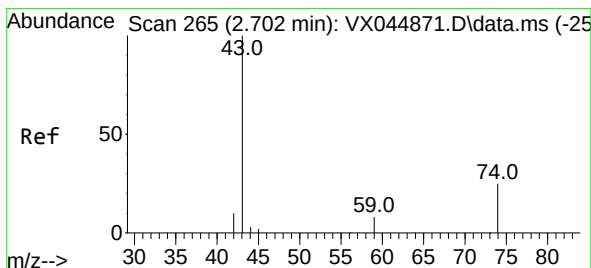
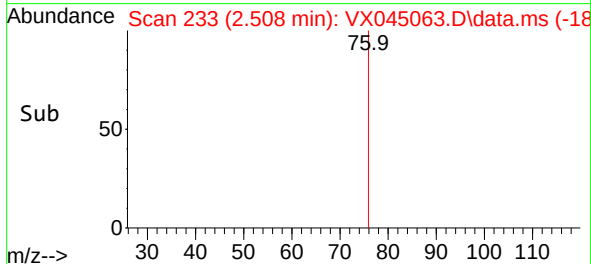
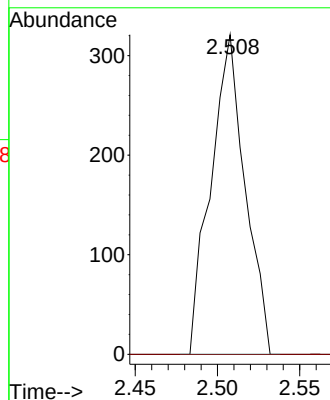
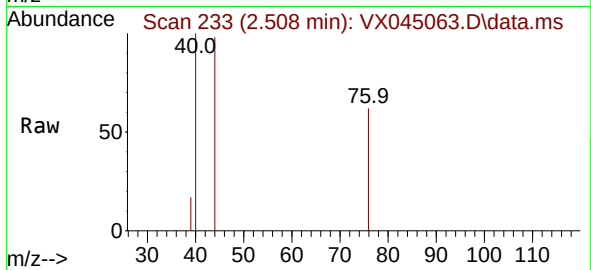




#17  
Carbon Disulfide  
Concen: 0.311 ug/l  
RT: 2.508 min Scan# 211  
Delta R.T. 0.006 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

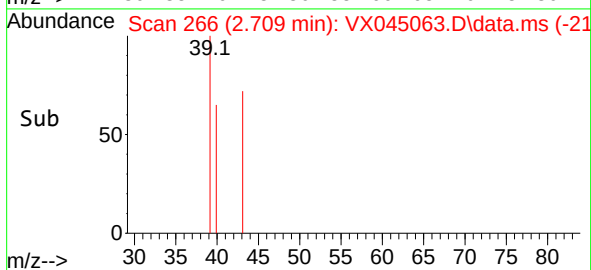
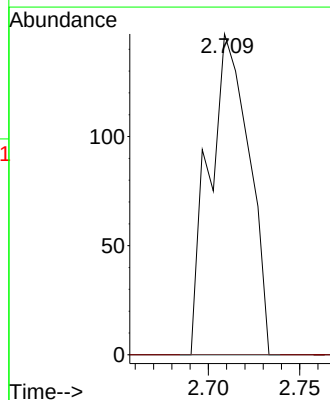
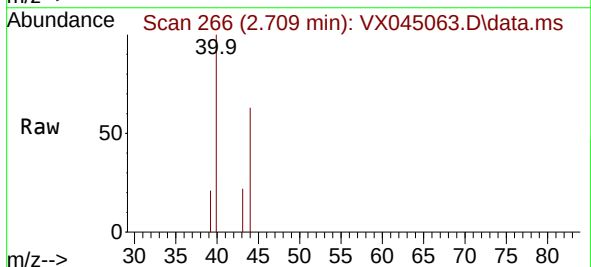
Instrument :  
MSVOA\_X  
ClientSampleId :  
Storage-Blank-WATER-REF-5

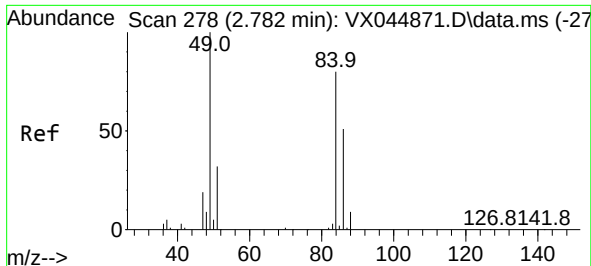
Tgt Ion: 76 Resp: 466  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.0 10.4#



#18  
Methyl Acetate  
Concen: 0.285 ug/l  
RT: 2.709 min Scan# 266  
Delta R.T. 0.006 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

Tgt Ion: 43 Resp: 224  
Ion Ratio Lower Upper  
43 100  
74 0.0 18.9 28.3#

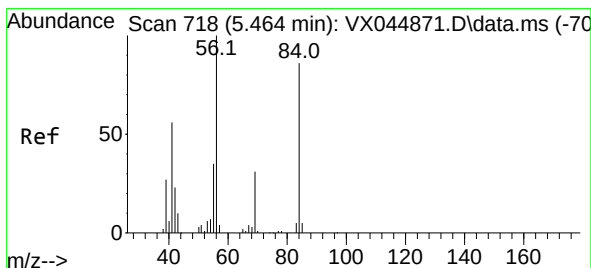
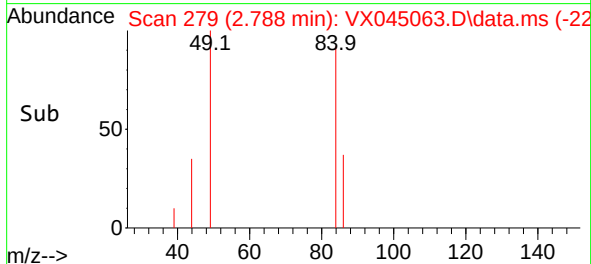
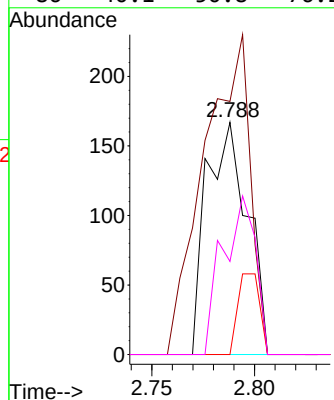
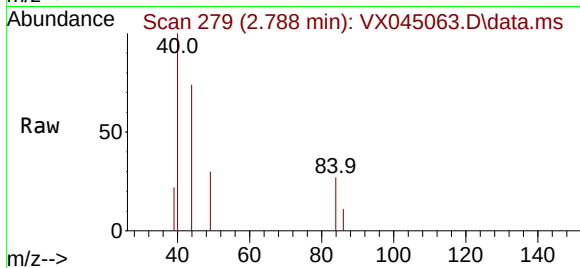




#20  
Methylene Chloride  
Concen: 0.378 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

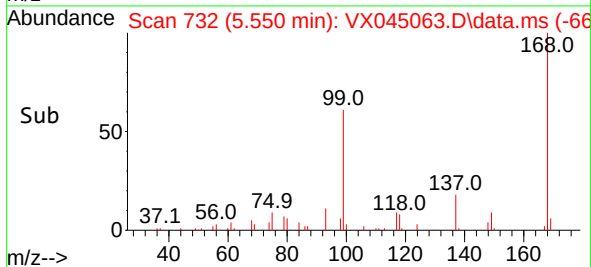
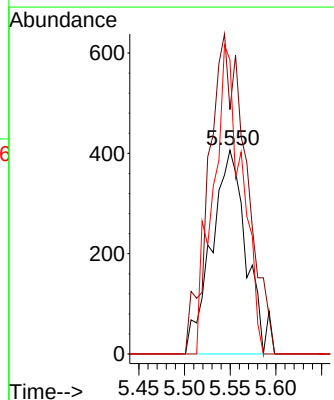
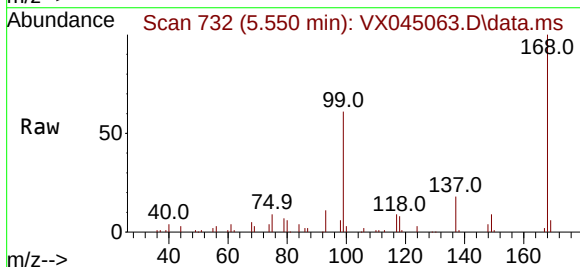
Instrument :  
MSVOA\_X  
ClientSampleId :  
Storage-Blank-WATER-REF-5

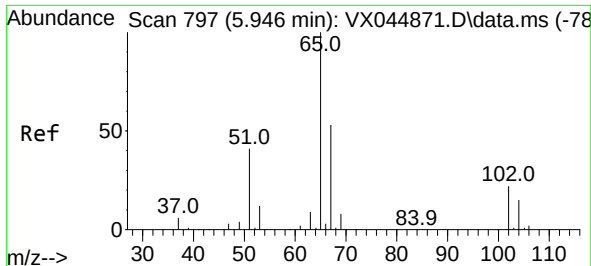
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|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 231   |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 109.0 | 100.1 | 150.1 |
| 51       | 0.0   | 31.7  | 47.5# |
| 86       | 40.1  | 50.8  | 76.2# |



#31  
Cyclohexane  
Concen: 1.120 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.086 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 1079   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 120.0 | 24.4  | 36.6#  |
| 84       | 144.3 | 69.0  | 103.6# |





#33

1,2-Dichloroethane-d4

Concen: 69.645 ug/l

RT: 5.958 min Scan# 797

Delta R.T. 0.013 min

Lab File: VX045063.D

Acq: 27 Feb 2025 15:19

Instrument :

MSVOA\_X

ClientSampleId :

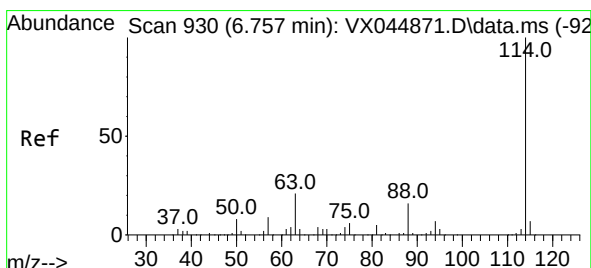
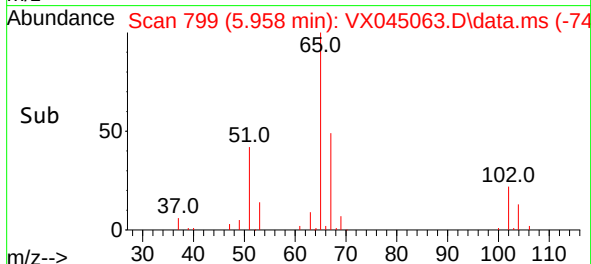
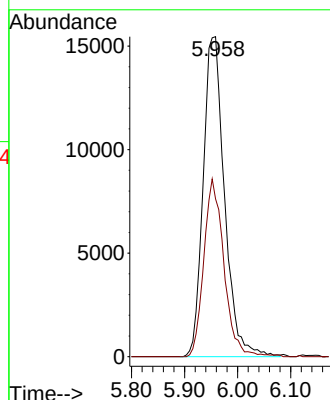
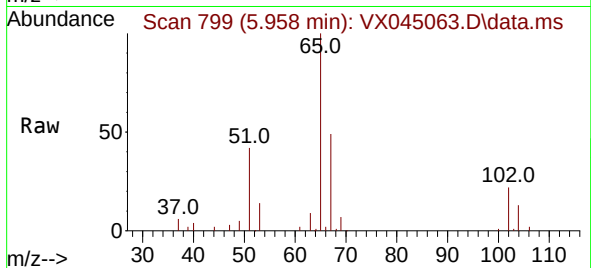
Storage-Blank-WATER-REF-5

Tgt Ion: 65 Resp: 43197

Ion Ratio Lower Upper

65 100

67 52.2 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX045063.D

Acq: 27 Feb 2025 15:19

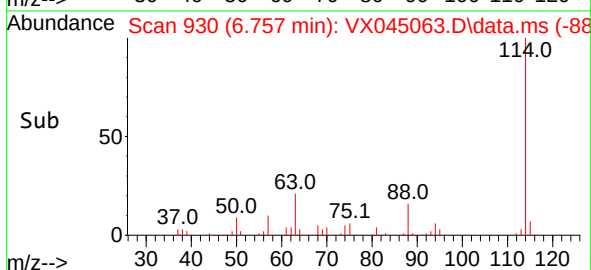
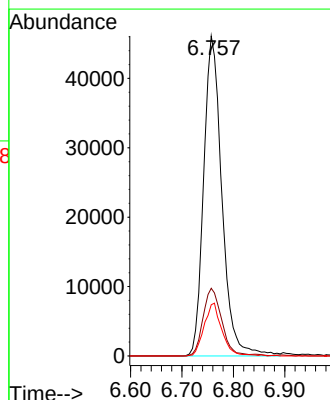
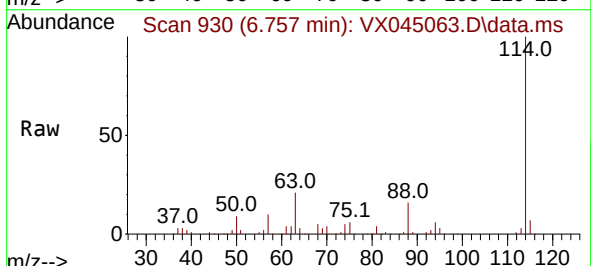
Tgt Ion: 114 Resp: 113910

Ion Ratio Lower Upper

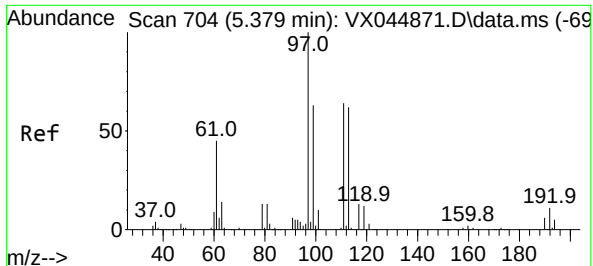
114 100

63 21.2 0.0 42.4

88 16.0 0.0 31.4



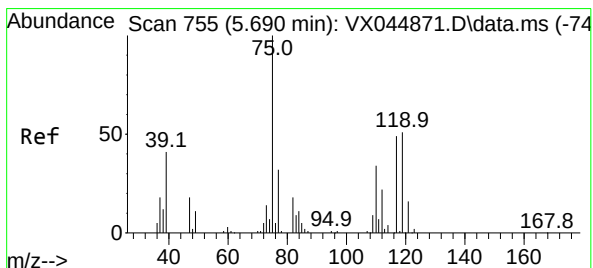
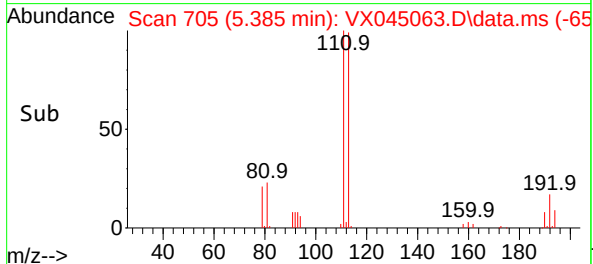
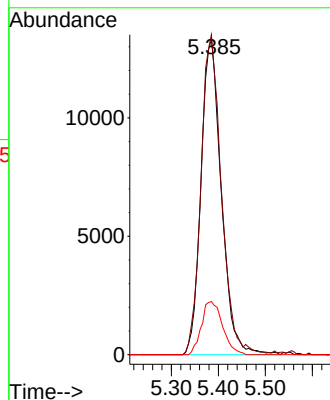
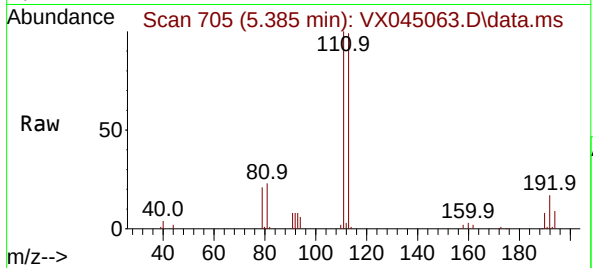




#35  
Dibromofluoromethane  
Concen: 53.980 ug/l  
RT: 5.385 min Scan# 704  
Delta R.T. 0.006 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

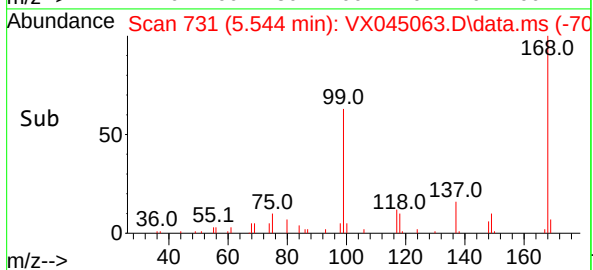
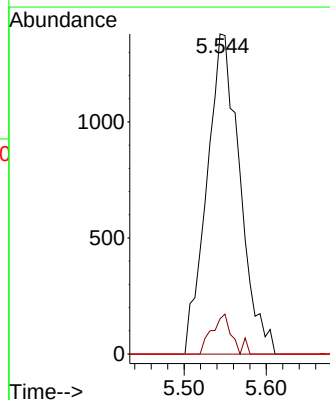
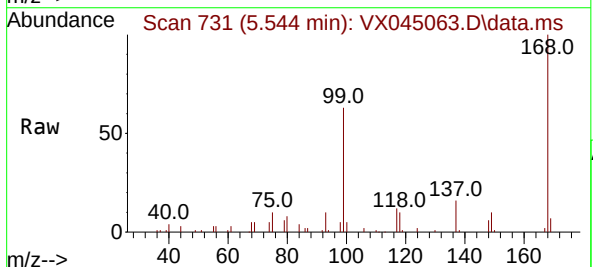
Instrument :  
MSVOA\_X  
ClientSampleId :  
Storage-Blank-WATER-REF-5

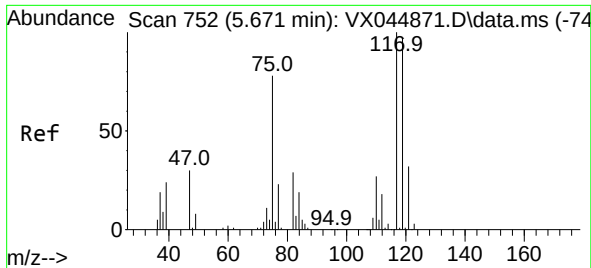
Tgt Ion:113 Resp: 39978  
Ion Ratio Lower Upper  
113 100  
111 101.9 83.5 125.3  
192 17.5 14.4 21.6



#36  
1,1-Dichloropropene  
Concen: 3.599 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.146 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

Tgt Ion: 75 Resp: 3845  
Ion Ratio Lower Upper  
75 100  
110 7.7 17.2 51.6#  
77 0.0 24.6 37.0#

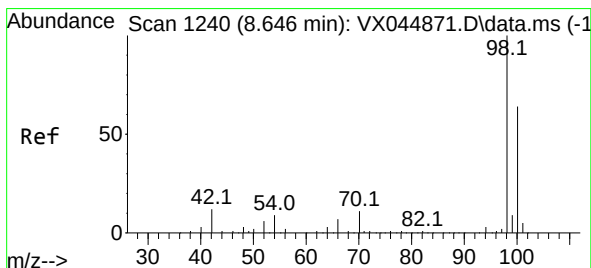
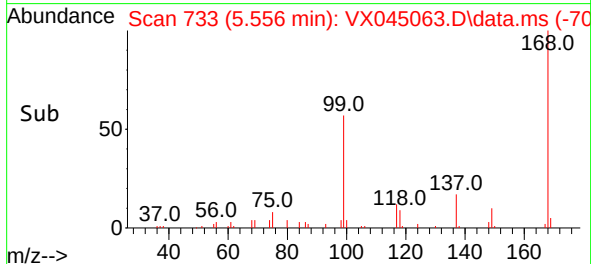
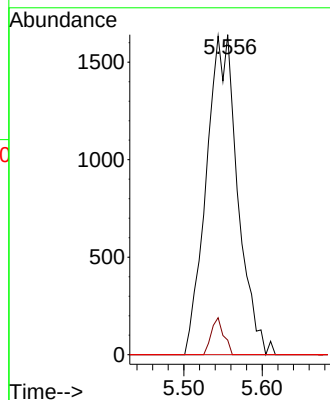
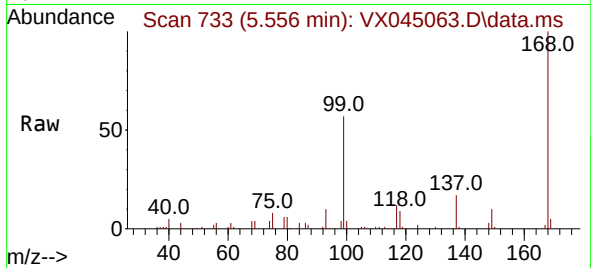




#38  
Carbon Tetrachloride  
Concen: 4.368 ug/l  
RT: 5.556 min Scan# 711  
Delta R.T. -0.116 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

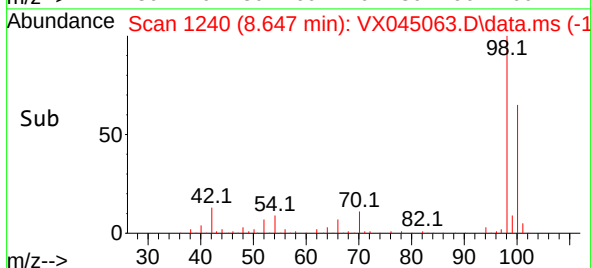
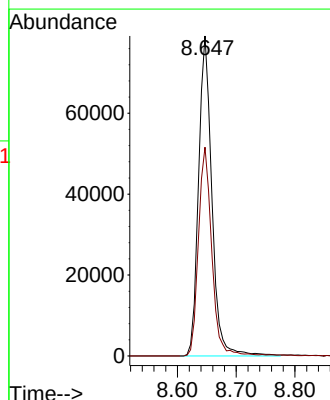
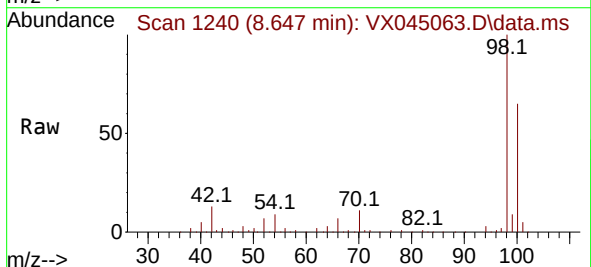
Instrument :  
MSVOA\_X  
ClientSampleId :  
Storage-Blank-WATER-REF-5

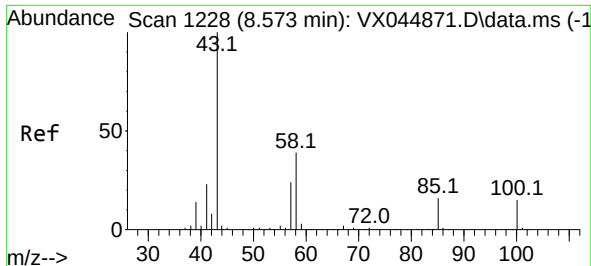
Tgt Ion:117 Resp: 4574  
Ion Ratio Lower Upper  
117 100  
119 4.6 77.5 116.3#  
121 0.0 25.6 38.4#



#50  
Toluene-d8  
Concen: 44.589 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

Tgt Ion: 98 Resp: 124872  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.7 79.1

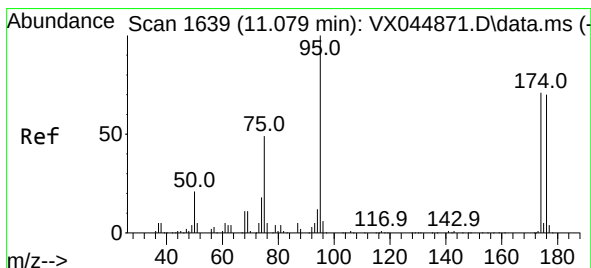
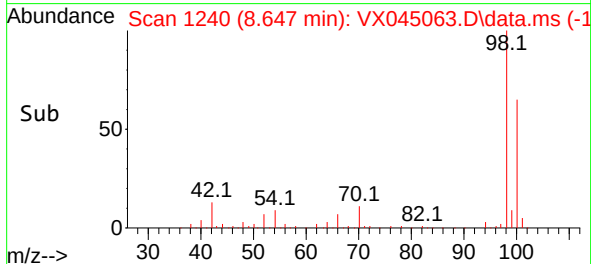
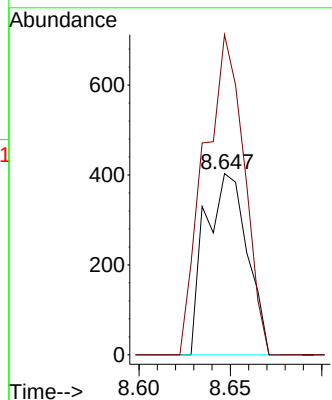
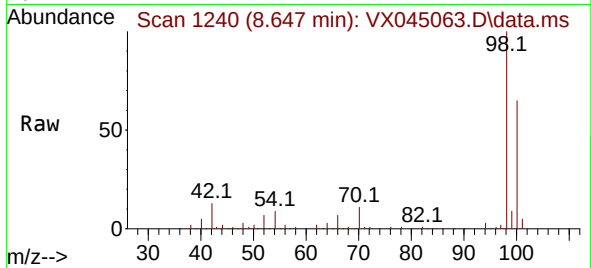




#51  
4-Methyl-2-Pentanone  
Concen: 0.551 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.073 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

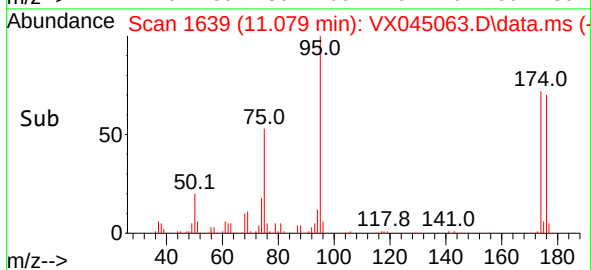
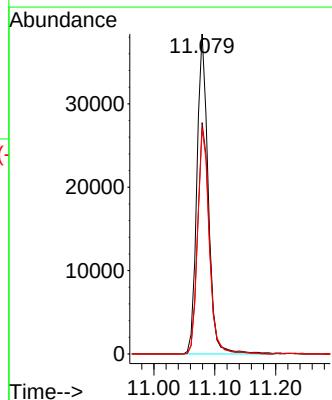
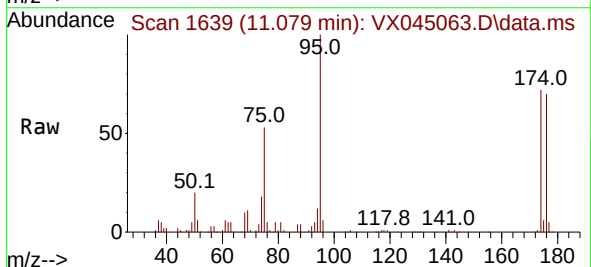
Instrument :  
MSVOA\_X  
ClientSampleId :  
Storage-Blank-WATER-REF-5

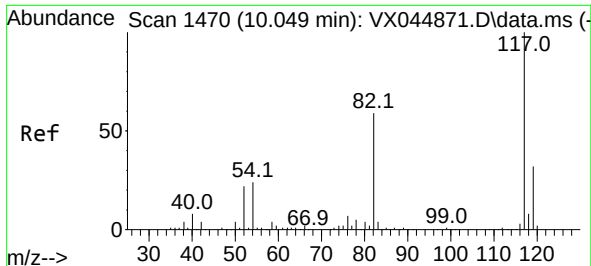
Tgt Ion: 43 Resp: 643  
Ion Ratio Lower Upper  
43 100  
58 168.4 30.8 46.2#



#62  
4-Bromofluorobenzene  
Concen: 52.441 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

Tgt Ion: 95 Resp: 49510  
Ion Ratio Lower Upper  
95 100  
174 73.6 0.0 142.6  
176 71.8 0.0 141.6

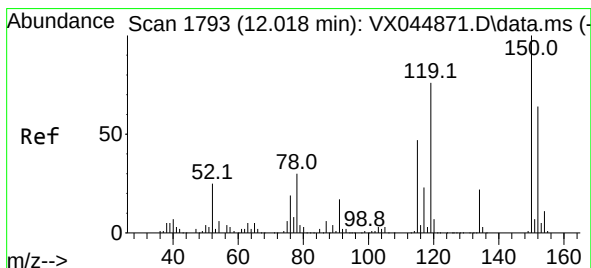
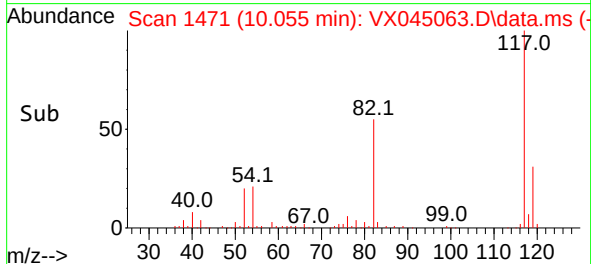
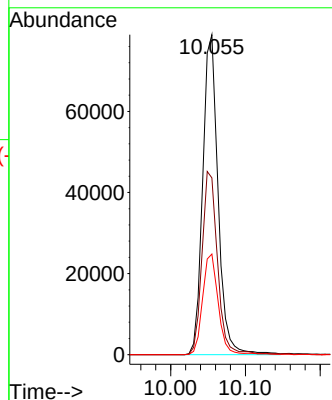
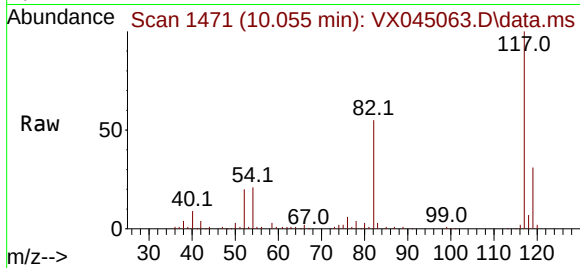




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1470  
Delta R.T. 0.006 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

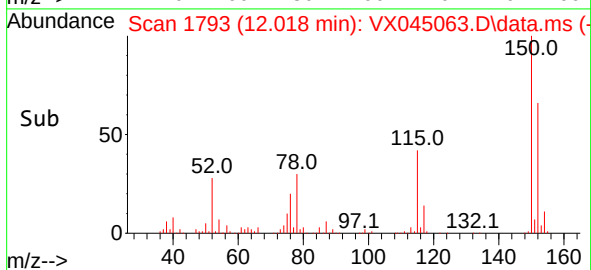
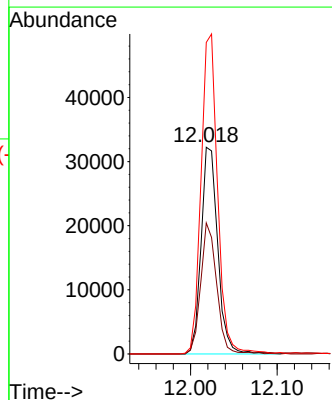
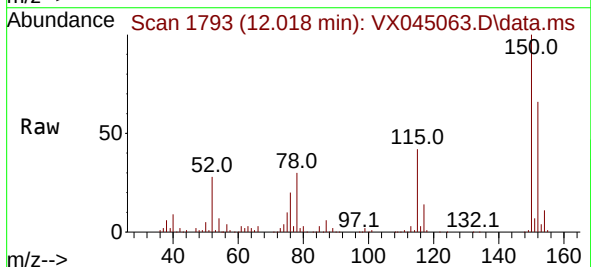
Instrument :  
MSVOA\_X  
ClientSampleId :  
Storage-Blank-WATER-REF-5

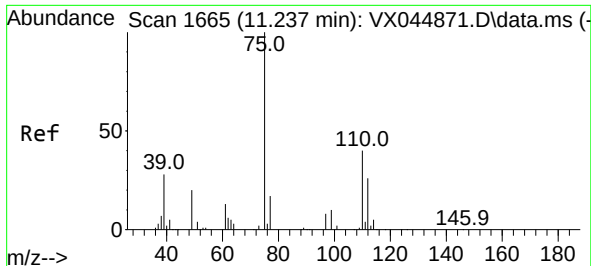
Tgt Ion:117 Resp: 112715  
Ion Ratio Lower Upper  
117 100  
82 55.3 47.5 71.3  
119 31.5 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

Tgt Ion:152 Resp: 43071  
Ion Ratio Lower Upper  
152 100  
115 60.8 43.4 130.1  
150 154.0 0.0 350.4

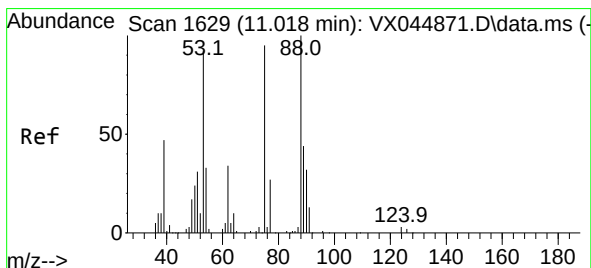
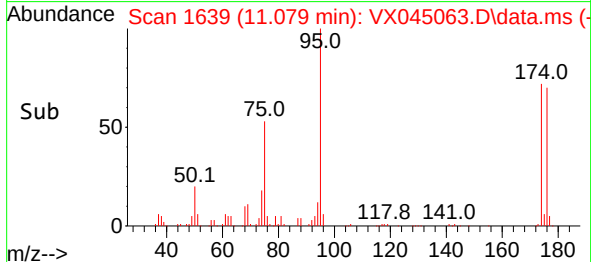
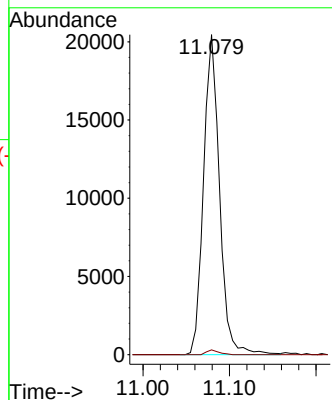
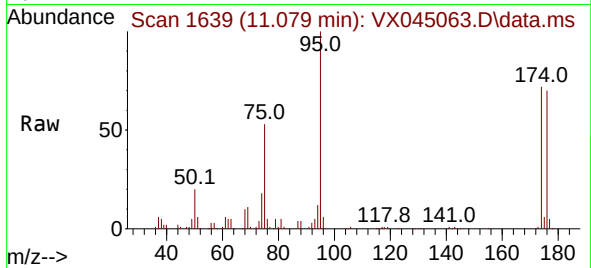




#76  
1,2,3-Trichloropropane  
Concen: 27.463 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
Storage-Blank-WATER-REF-5

Tgt Ion: 75 Resp: 26226  
Ion Ratio Lower Upper  
75 100  
77 1.1 21.9 65.7#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 70.646 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

Tgt Ion: 75 Resp: 26226  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.0 36.6 54.8#

