

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100224\  
 Data File : VX043231.D  
 Acq On : 02 Oct 2024 15:08  
 Operator : JC/MD  
 Sample : P4221-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Oct 02 23:04:07 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100124W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 02 16:50:57 2024  
 Response via : Initial Calibration

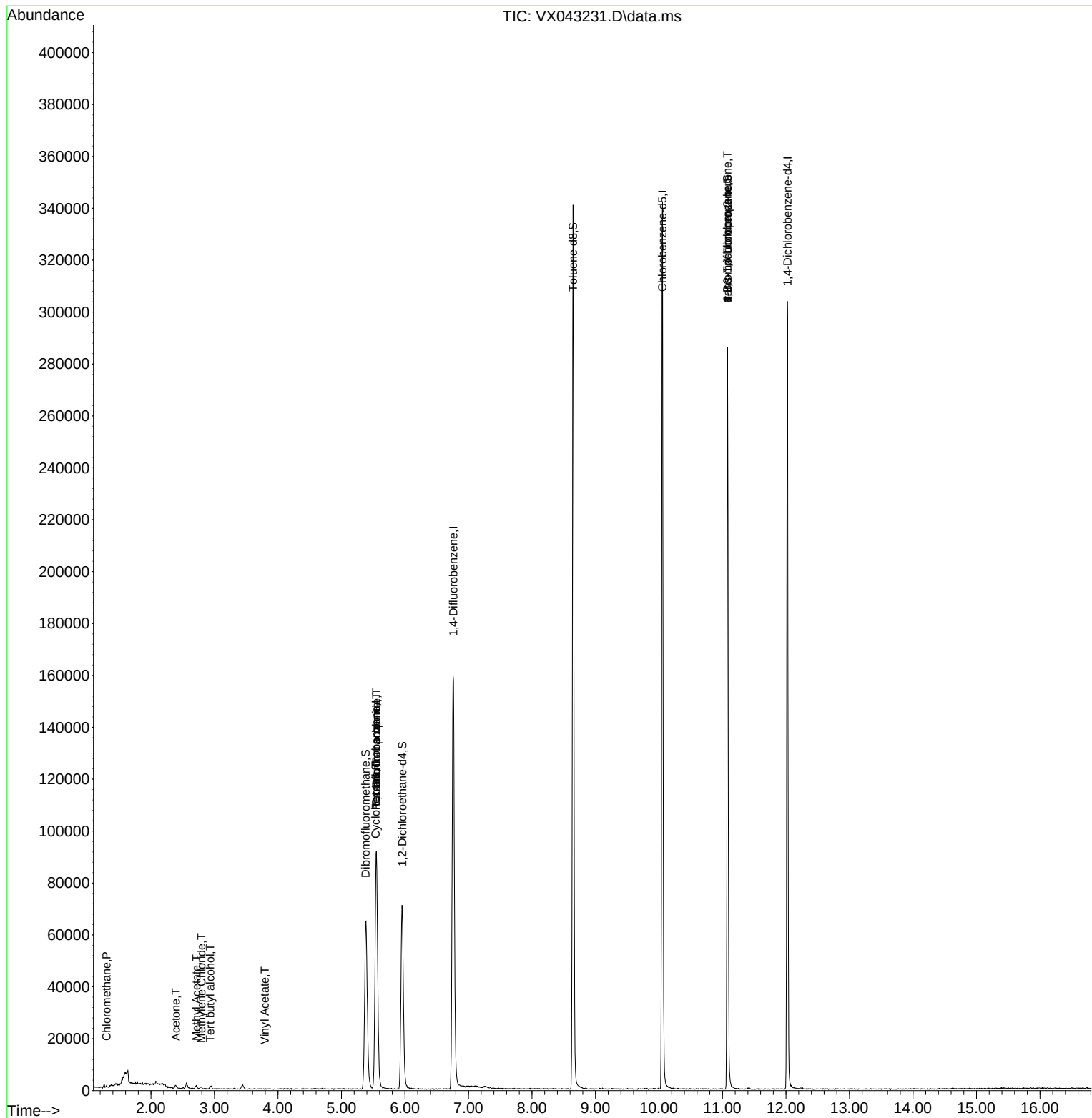
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.544  | 168   | 83138    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 167613   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 154866   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 62244    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 73276    | 53.968   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | = 107.940% |          |
| 35) Dibromofluoromethane      | 5.379  | 113   | 56963    | 49.279   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 98.560%  |          |
| 50) Toluene-d8                | 8.647  | 98    | 199953   | 49.916   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | = 99.840%  |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 75059    | 51.577   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | = 103.160% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 3) Chloromethane              | 1.301  | 50    | 353      | 0.354    | ug/l #     | 72       |
| 11) Tert butyl alcohol        | 2.934  | 59    | 538      | 2.082    | ug/l #     | 71       |
| 16) Acetone                   | 2.392  | 43    | 1104     | 1.947    | ug/l #     | 87       |
| 18) Methyl Acetate            | 2.715  | 43    | 1801     | 1.266    | ug/l #     | 87       |
| 20) Methylene Chloride        | 2.794  | 84    | 312      | 0.298    | ug/l #     | 71       |
| 23) Vinyl Acetate             | 3.794  | 43    | 45       | 6.352    | ug/l #     | 71       |
| 31) Cyclohexane               | 5.538  | 56    | 2029     | 1.385    | ug/l #     | 33       |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 7204     | 4.933    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 9203     | 5.324    | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 40823    | 29.568   | ug/l #     | 34       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 40823    | 76.630   | ug/l #     | 8        |
| -----                         |        |       |          |          |            |          |

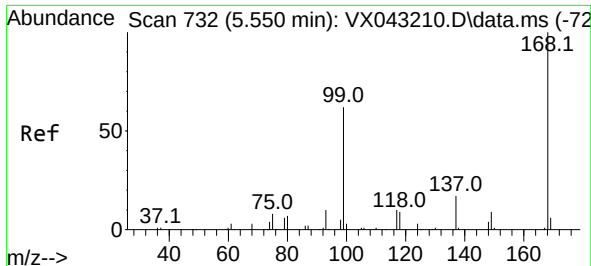
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100224\  
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Sample : P4221-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Oct 02 23:04:07 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100124W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 02 16:50:57 2024  
Response via : Initial Calibration

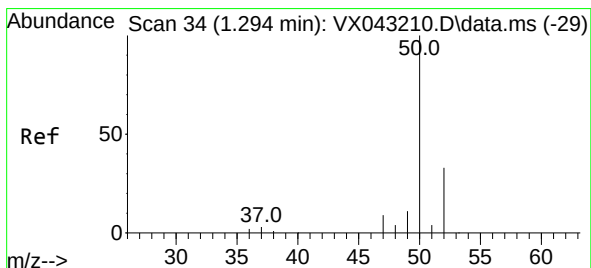
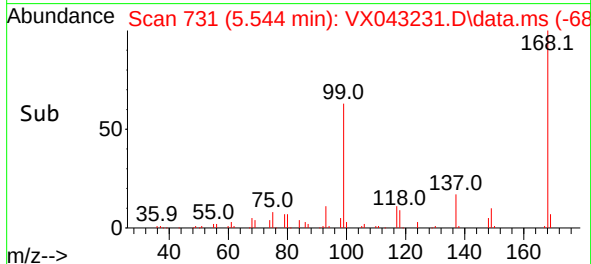
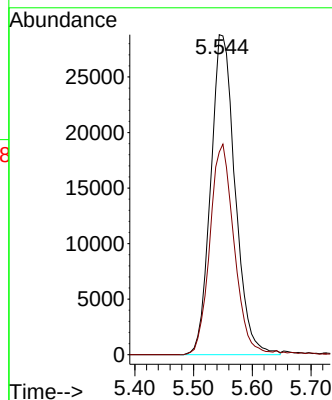
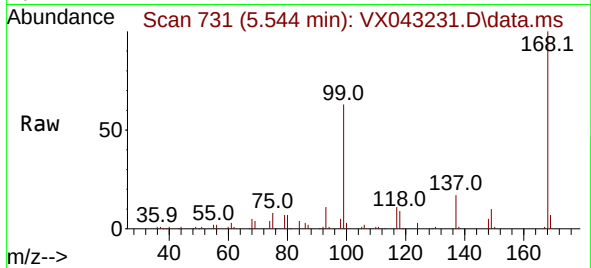




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX043231.D  
Acq: 02 Oct 2024 15:08

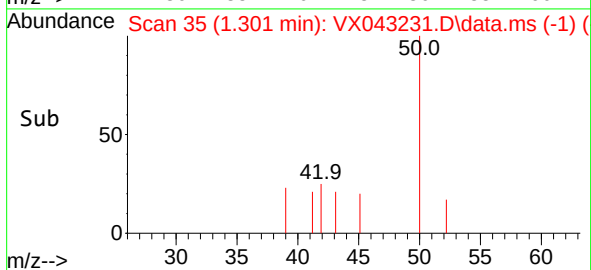
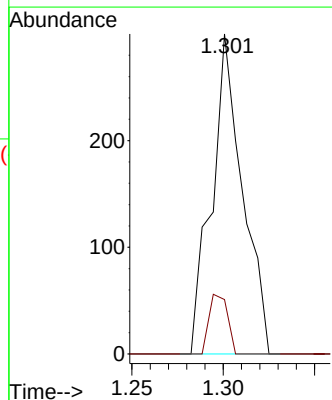
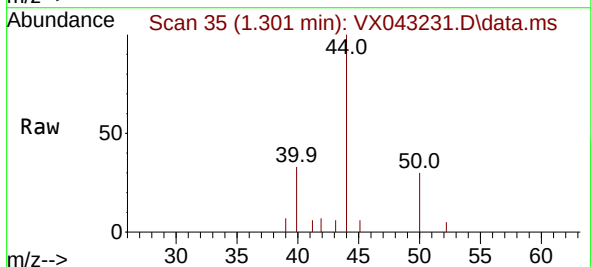
Instrument :  
MSVOA\_X  
ClientSampleId :  
Storage-Blank-WATER-REF-5

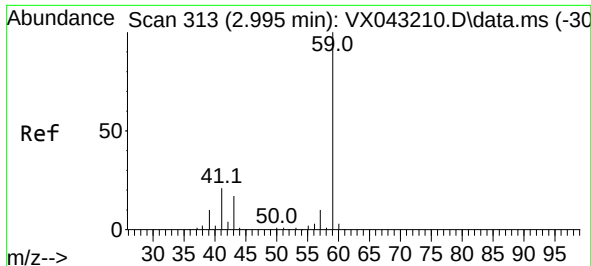
Tgt Ion:168 Resp: 83138  
Ion Ratio Lower Upper  
168 100  
99 63.3 49.7 74.5



#3  
Chloromethane  
Concen: 0.354 ug/l  
RT: 1.301 min Scan# 35  
Delta R.T. 0.006 min  
Lab File: VX043231.D  
Acq: 02 Oct 2024 15:08

Tgt Ion: 50 Resp: 353  
Ion Ratio Lower Upper  
50 100  
52 17.0 26.1 39.1#

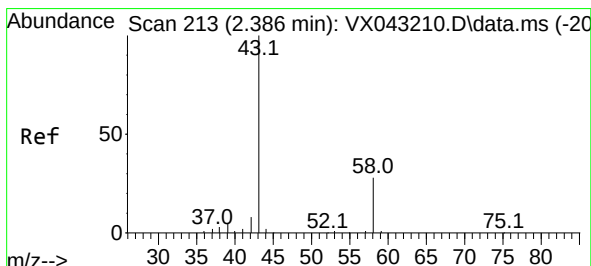
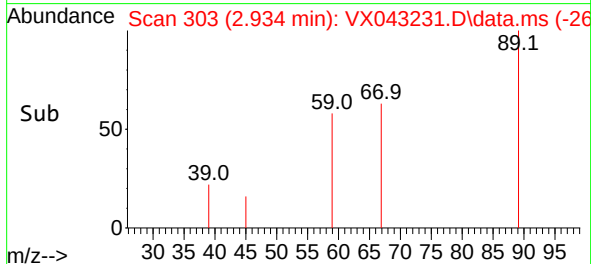
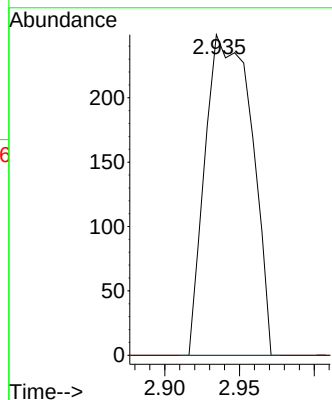
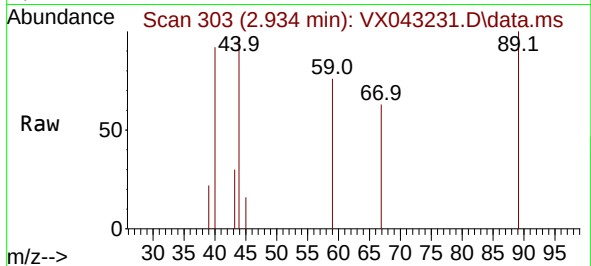




#11  
Tert butyl alcohol  
Concen: 2.082 ug/l  
RT: 2.934 min Scan# 30  
Delta R.T. -0.061 min  
Lab File: VX043231.D  
Acq: 02 Oct 2024 15:08

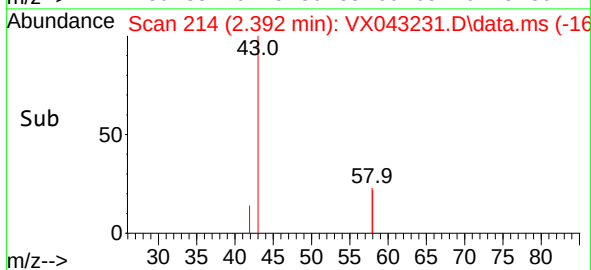
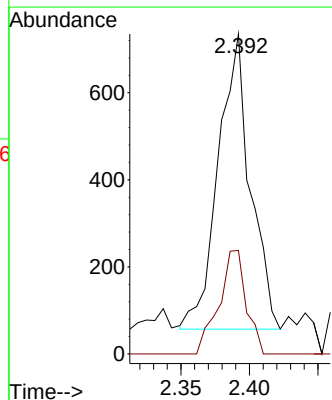
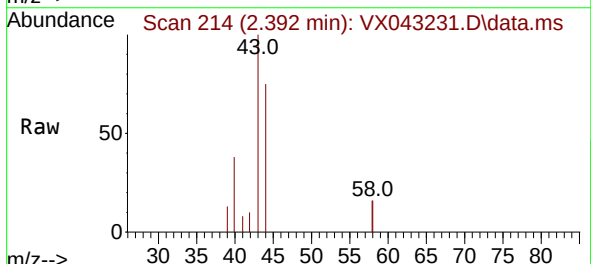
Instrument :  
MSVOA\_X  
ClientSampleId :  
Storage-Blank-WATER-REF-5

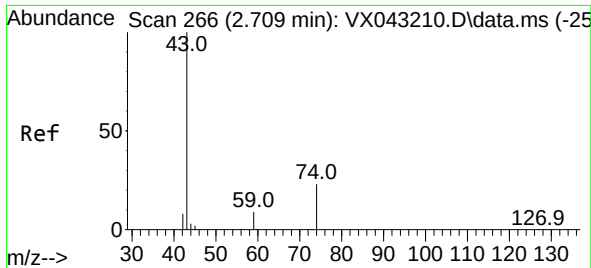
Tgt Ion: 59 Resp: 538  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.6 13.0#



#16  
Acetone  
Concen: 1.947 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. 0.006 min  
Lab File: VX043231.D  
Acq: 02 Oct 2024 15:08

Tgt Ion: 43 Resp: 1104  
Ion Ratio Lower Upper  
43 100  
58 35.1 22.6 33.8#





#18

Methyl Acetate

Concen: 1.266 ug/l

RT: 2.715 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX043231.D

Acq: 02 Oct 2024 15:08

Instrument :

MSVOA\_X

ClientSampleId :

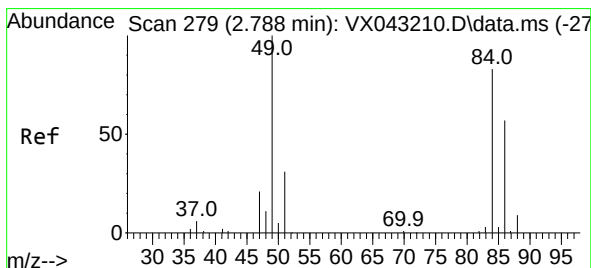
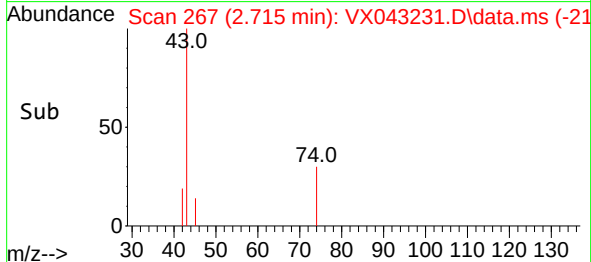
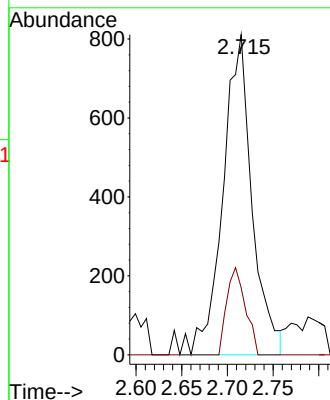
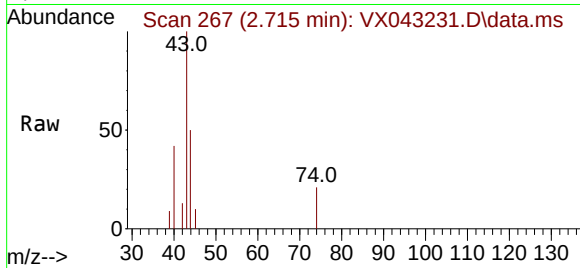
Storage-Blank-WATER-REF-5

Tgt Ion: 43 Resp: 1801

Ion Ratio Lower Upper

43 100

74 17.4 19.1 28.7#



#20

Methylene Chloride

Concen: 0.298 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX043231.D

Acq: 02 Oct 2024 15:08

Tgt Ion: 84 Resp: 312

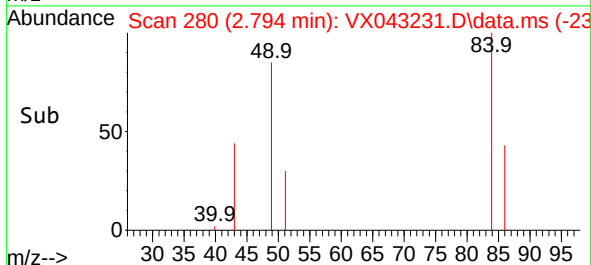
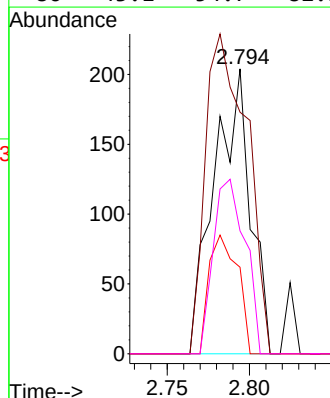
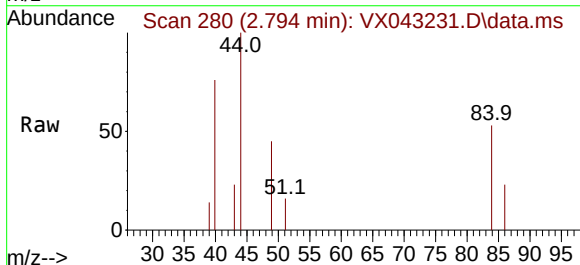
Ion Ratio Lower Upper

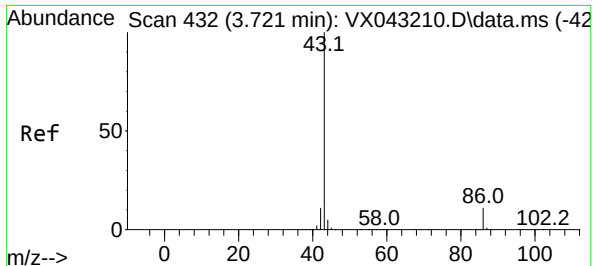
84 100

49 84.8 96.7 145.1#

51 30.4 30.4 45.6#

86 43.1 54.7 82.1#

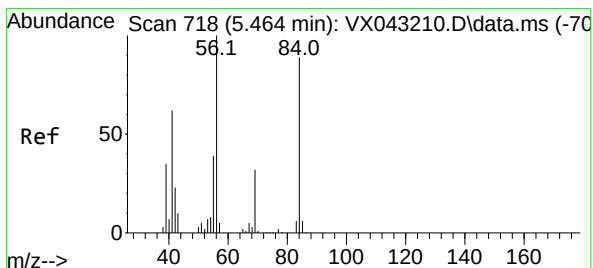
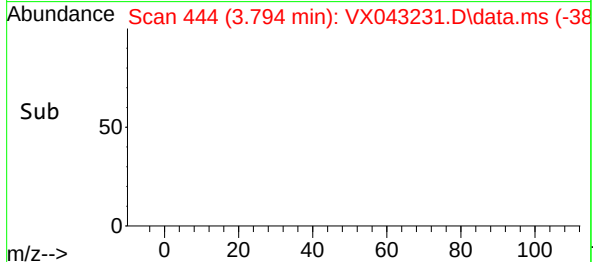
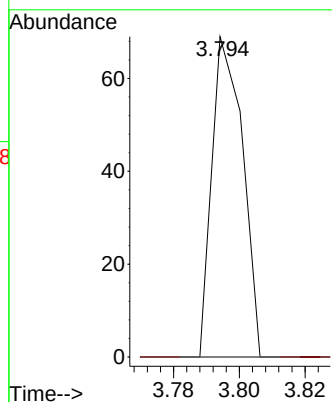
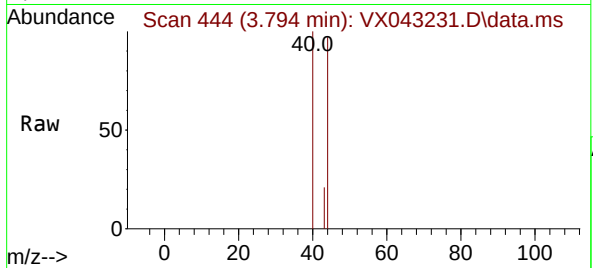




#23  
 Vinyl Acetate  
 Concen: 6.352 ug/l  
 RT: 3.794 min Scan# 44  
 Delta R.T. 0.073 min  
 Lab File: VX043231.D  
 Acq: 02 Oct 2024 15:08

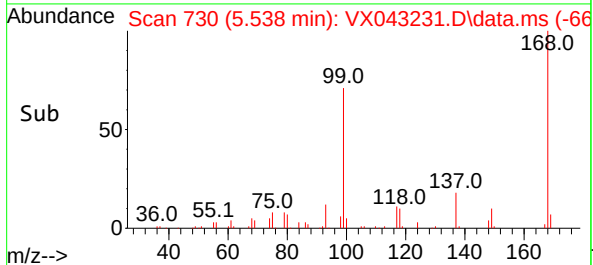
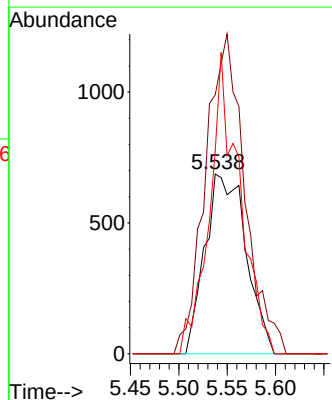
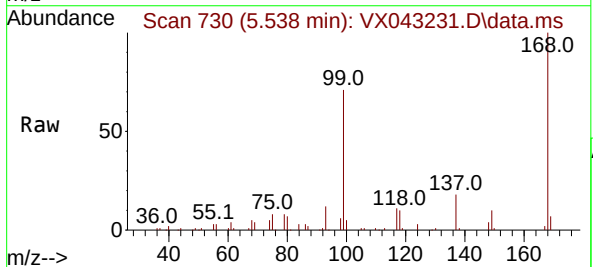
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Storage-Blank-WATER-REF-5

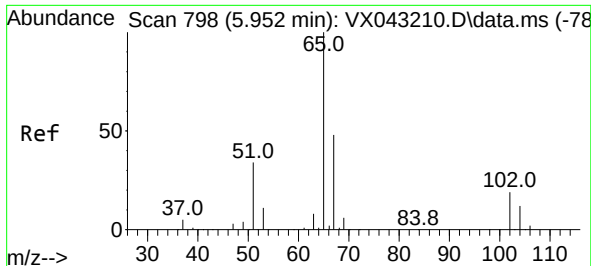
Tgt Ion: 43 Resp: 45  
 Ion Ratio Lower Upper  
 43 100  
 86 0.0 8.8 13.2#



#31  
 Cyclohexane  
 Concen: 1.385 ug/l  
 RT: 5.538 min Scan# 730  
 Delta R.T. 0.073 min  
 Lab File: VX043231.D  
 Acq: 02 Oct 2024 15:08

Tgt Ion: 56 Resp: 2029  
 Ion Ratio Lower Upper  
 56 100  
 69 133.5 25.8 38.6#  
 84 112.8 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 53.968 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX043231.D

Acq: 02 Oct 2024 15:08

Instrument :

MSVOA\_X

ClientSampleId :

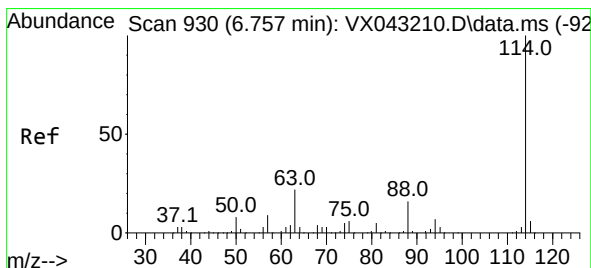
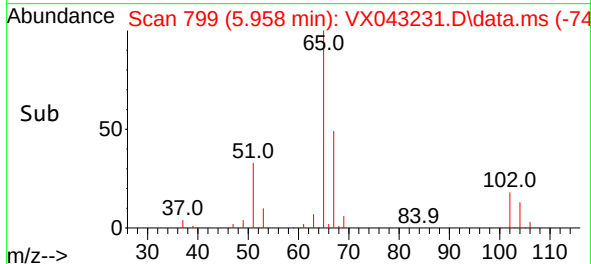
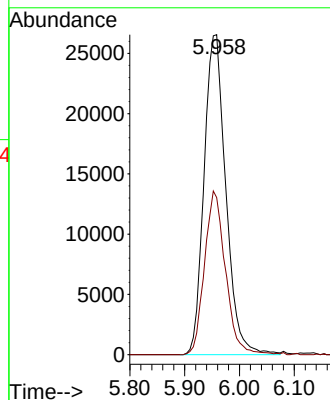
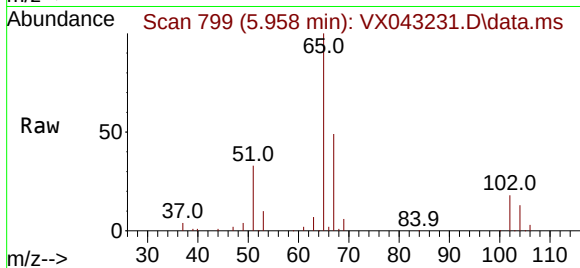
Storage-Blank-WATER-REF-5

Tgt Ion: 65 Resp: 73276

Ion Ratio Lower Upper

65 100

67 49.1 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX043231.D

Acq: 02 Oct 2024 15:08

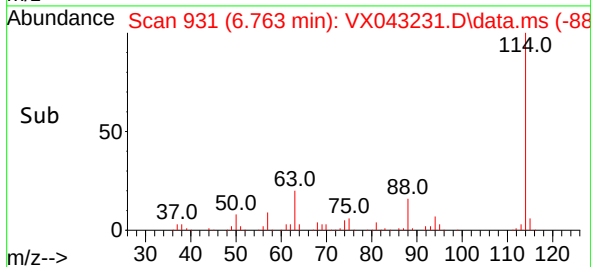
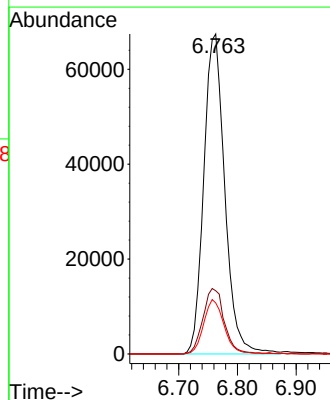
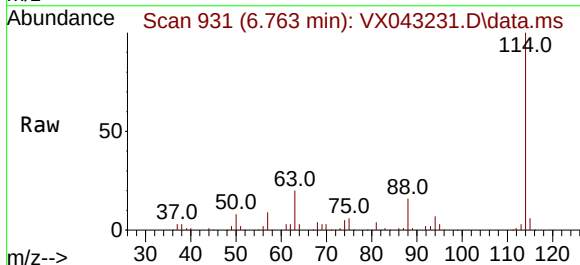
Tgt Ion: 114 Resp: 167613

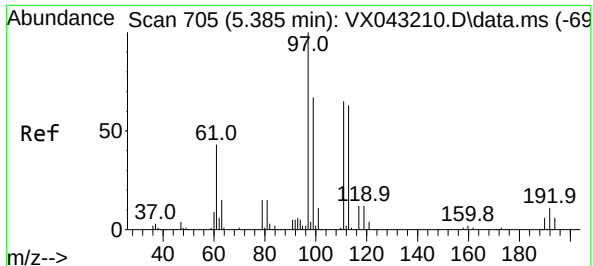
Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.0

88 15.9 0.0 33.0

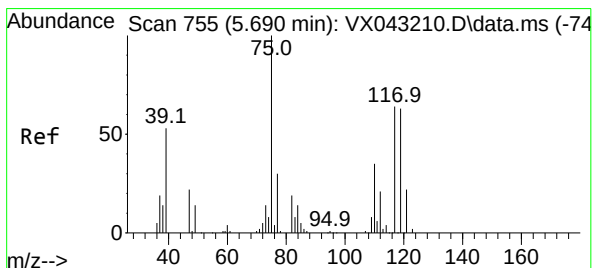
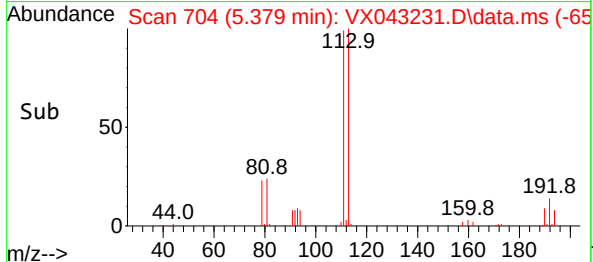
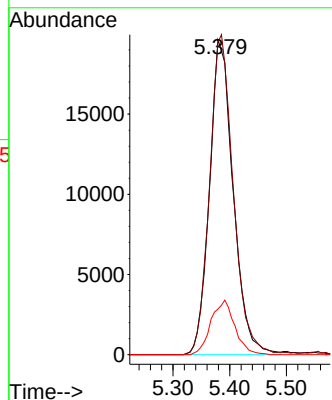
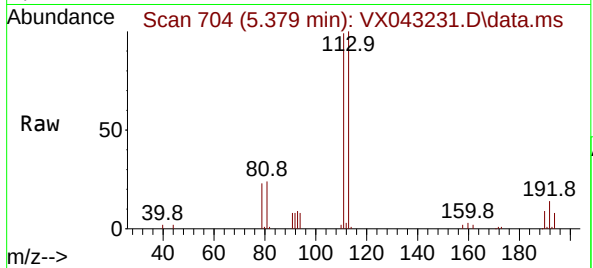




#35  
Dibromofluoromethane  
Concen: 49.279 ug/l  
RT: 5.379 min Scan# 705  
Delta R.T. -0.006 min  
Lab File: VX043231.D  
Acq: 02 Oct 2024 15:08

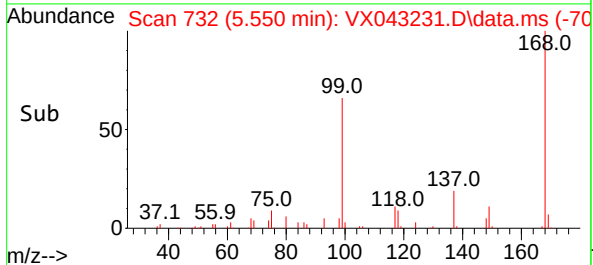
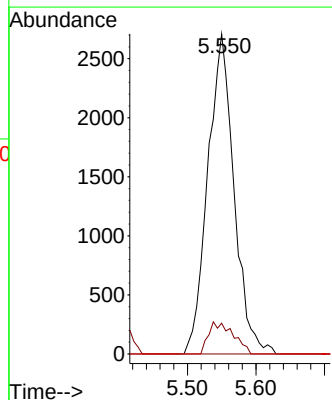
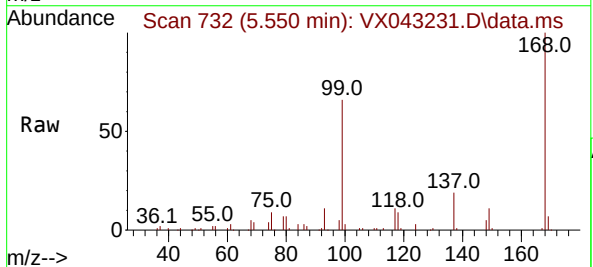
Instrument :  
MSVOA\_X  
ClientSampleId :  
Storage-Blank-WATER-REF-5

Tgt Ion:113 Resp: 56963  
Ion Ratio Lower Upper  
113 100  
111 101.5 83.4 125.0  
192 17.4 14.1 21.1

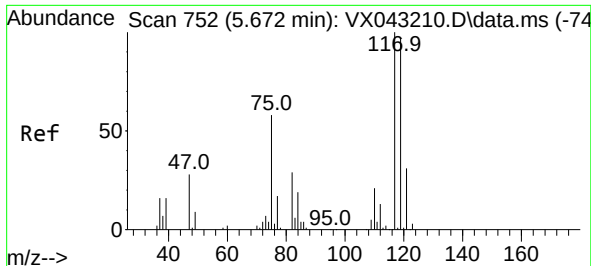


#36  
1,1-Dichloropropene  
Concen: 4.933 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.140 min  
Lab File: VX043231.D  
Acq: 02 Oct 2024 15:08

Tgt Ion: 75 Resp: 7204  
Ion Ratio Lower Upper  
75 100  
110 9.4 17.8 53.3#  
77 0.0 24.9 37.3#



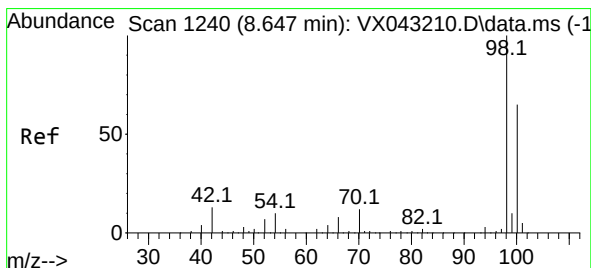
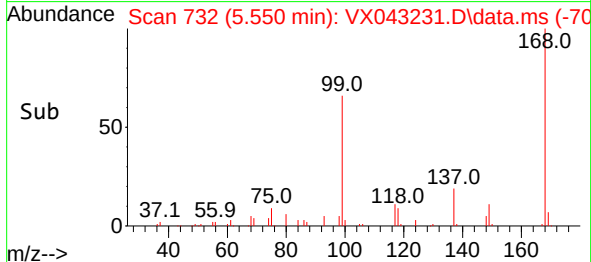
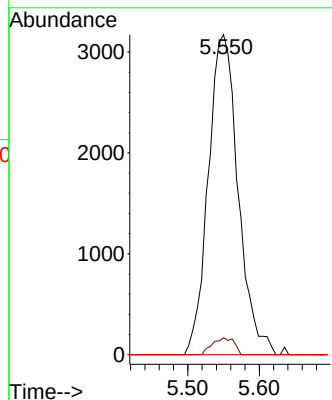
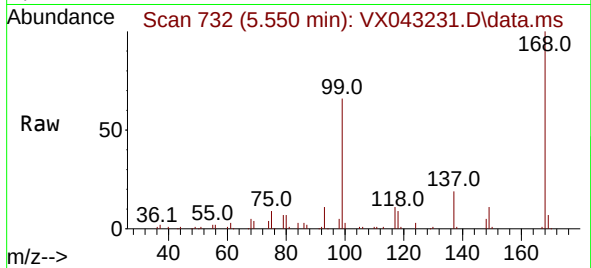




#38  
Carbon Tetrachloride  
Concen: 5.324 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX043231.D  
Acq: 02 Oct 2024 15:08

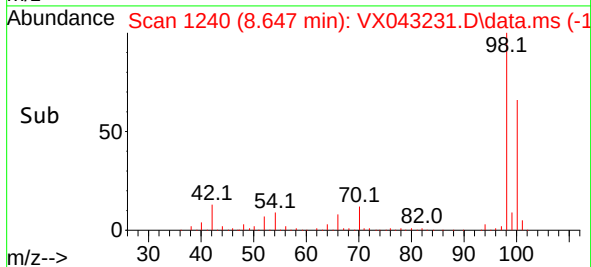
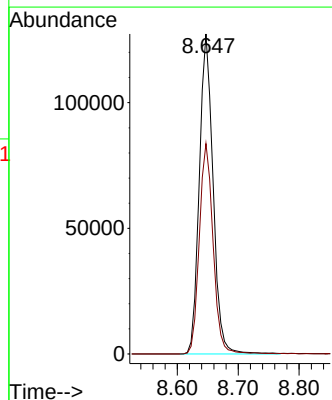
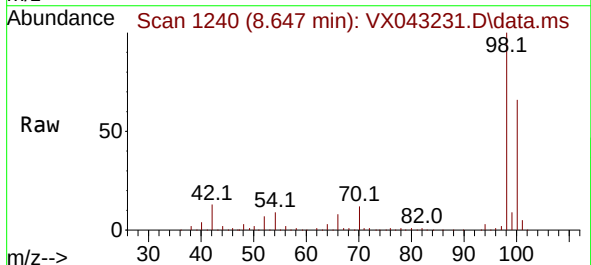
Instrument :  
MSVOA\_X  
ClientSampleId :  
Storage-Blank-WATER-REF-5

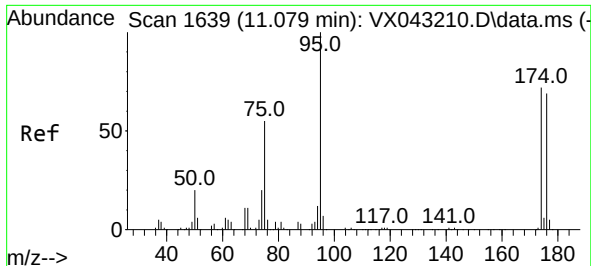
Tgt Ion:117 Resp: 9203  
Ion Ratio Lower Upper  
117 100  
119 5.3 77.7 116.5#  
121 0.0 24.3 36.5#



#50  
Toluene-d8  
Concen: 49.916 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX043231.D  
Acq: 02 Oct 2024 15:08

Tgt Ion: 98 Resp: 199953  
Ion Ratio Lower Upper  
98 100  
100 66.0 52.4 78.6

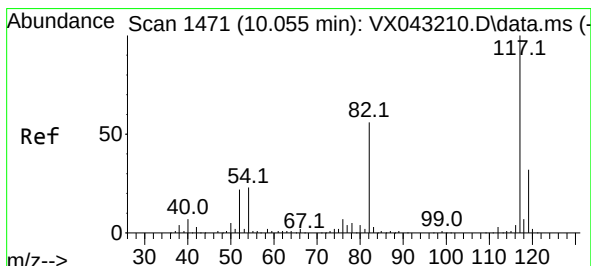
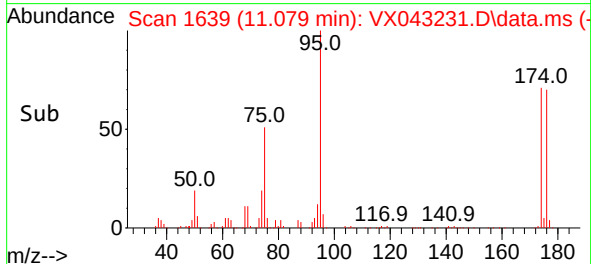
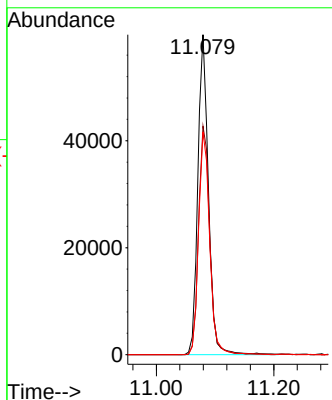
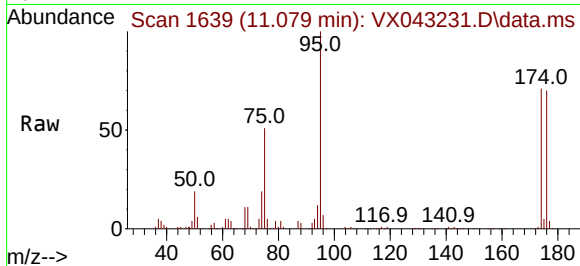




#62  
4-Bromofluorobenzene  
Concen: 51.577 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX043231.D  
Acq: 02 Oct 2024 15:08

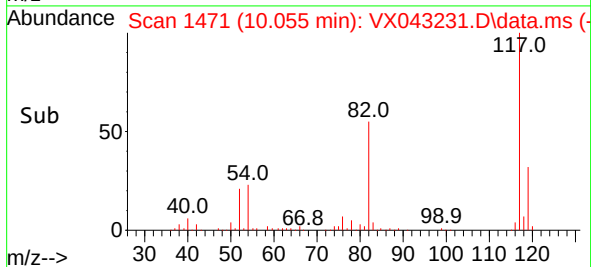
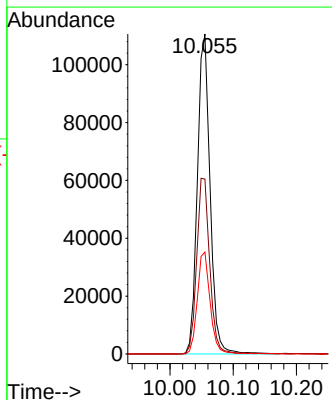
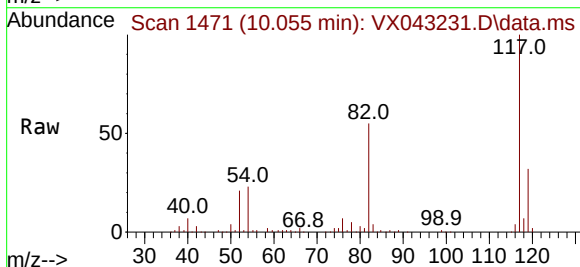
Instrument :  
MSVOA\_X  
ClientSampleId :  
Storage-Blank-WATER-REF-5

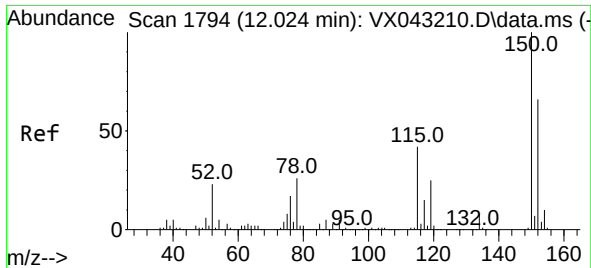
Tgt Ion: 95 Resp: 75059  
Ion Ratio Lower Upper  
95 100  
174 75.6 0.0 145.0  
176 72.9 0.0 143.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX043231.D  
Acq: 02 Oct 2024 15:08

Tgt Ion: 117 Resp: 154866  
Ion Ratio Lower Upper  
117 100  
82 54.7 45.0 67.6  
119 31.9 25.3 37.9

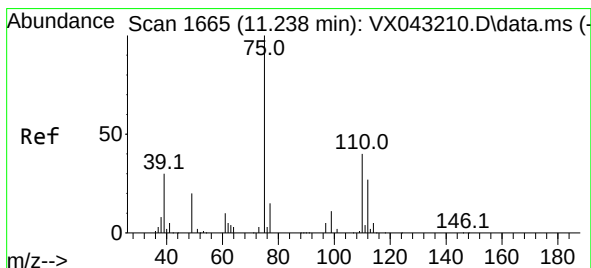
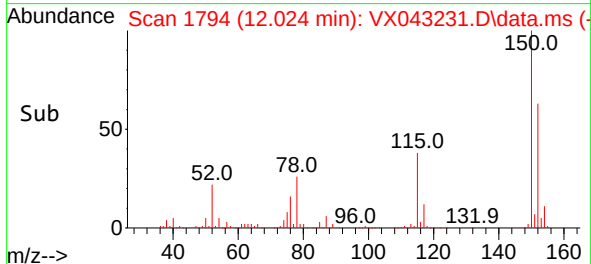
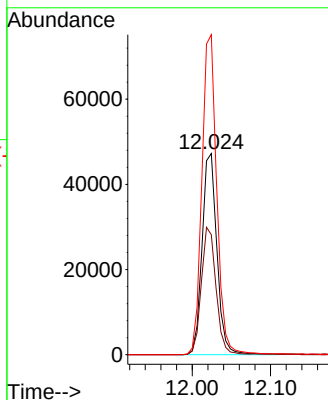
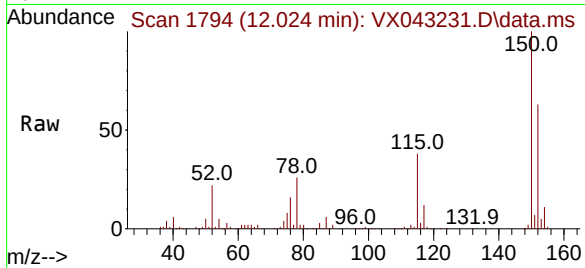




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX043231.D  
 Acq: 02 Oct 2024 15:08

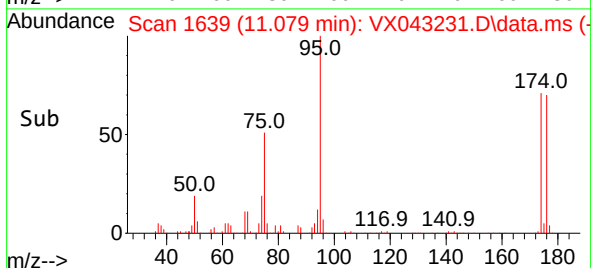
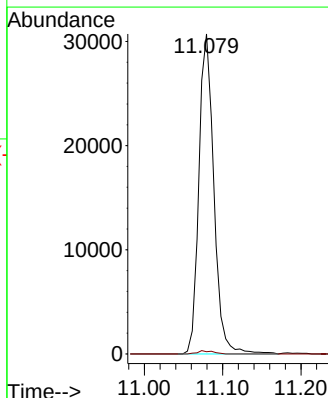
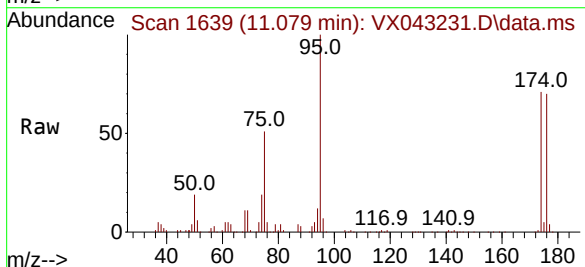
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Storage-Blank-WATER-REF-5

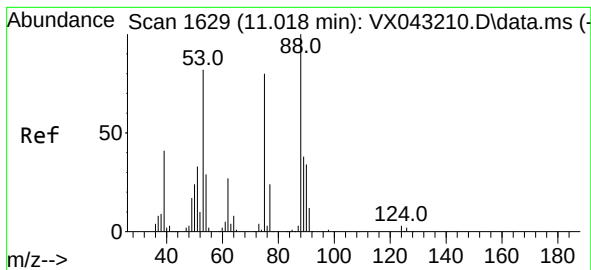
Tgt Ion:152 Resp: 62244  
 Ion Ratio Lower Upper  
 152 100  
 115 63.2 44.1 132.3  
 150 159.1 0.0 347.4



#76  
 1,2,3-Trichloropropane  
 Concen: 29.568 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.158 min  
 Lab File: VX043231.D  
 Acq: 02 Oct 2024 15:08

Tgt Ion: 75 Resp: 40823  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 22.0 66.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 76.630 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX043231.D  
 Acq: 02 Oct 2024 15:08

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

Tgt Ion: 75 Resp: 40823  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 83.9 125.9#  
 89 0.0 38.6 58.0#

