

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030521\  
 Data File : VX021000.D  
 Acq On : 03 Mar 2021 16:06  
 Operator : JC/MD  
 Sample : M1505-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Mar 04 01:05:01 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022421W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 24 13:50:55 2021  
 Response via : Initial Calibration

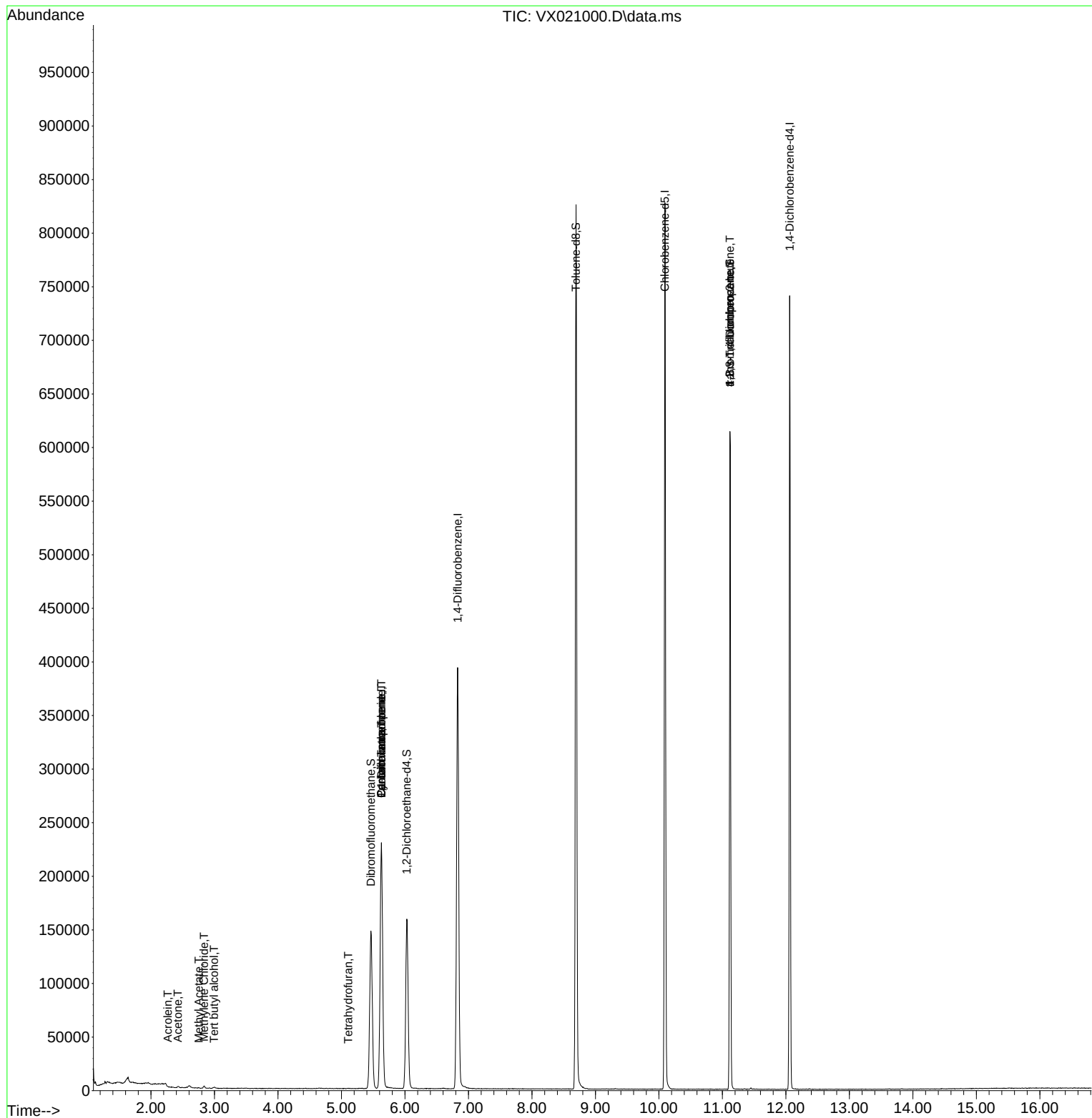
| Compound                      | R.T.           | QIon | Response           | Conc         | Units | Dev(Min) |
|-------------------------------|----------------|------|--------------------|--------------|-------|----------|
| -----                         |                |      |                    |              |       |          |
| Internal Standards            |                |      |                    |              |       |          |
| 1) Pentafluorobenzene         | 5.629          | 168  | 217853             | 50.00        | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.829          | 114  | 414140             | 50.00        | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 10.094         | 117  | 373958             | 50.00        | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.059         | 152  | 153431             | 50.00        | ug/l  | 0.00     |
|                               |                |      |                    |              |       |          |
| System Monitoring Compounds   |                |      |                    |              |       |          |
| 33) 1,2-Dichloroethane-d4     | 6.029          | 65   | 150984             | 51.31        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = 102.62% |              |       |          |
| 35) Dibromofluoromethane      | 5.464          | 113  | 131594             | 52.30        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = 104.60% |              |       |          |
| 50) Toluene-d8                | 8.694          | 98   | 502701             | 51.24        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = 102.48% |              |       |          |
| 62) 4-Bromofluorobenzene      | 11.118         | 95   | 173223             | 47.75        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = 95.50%  |              |       |          |
|                               |                |      |                    |              |       |          |
| Target Compounds              |                |      |                    |              |       |          |
| 5) Bromomethane               | 1.640          | 94   | 424                | Below Cal    |       | 95       |
| 11) Tert butyl alcohol        | 2.993          | 59   | 748                | 1.14 ug/l #  |       | 73       |
| 13) Acrolein                  | 2.264          | 56   | 108                | 0.27 ug/l #  |       | 14       |
| 16) Acetone                   | 2.423          | 43   | 1125               | 0.93 ug/l    |       | 92       |
| 18) Methyl Acetate            | 2.752          | 43   | 644                | 0.22 ug/l #  |       | 61       |
| 20) Methylene Chloride        | 2.835          | 84   | 883                | 0.30 ug/l    |       | 88       |
| 29) Tetrahydrofuran           | 5.105          | 42   | 272                | 0.23 ug/l #  |       | 27       |
| 31) Cyclohexane               | 5.629          | 56   | 4402               | 1.03 ug/l #  |       | 1        |
| 36) 1,1-Dichloropropene       | 5.629          | 75   | 17062              | 4.33 ug/l #  |       | 48       |
| 38) Carbon Tetrachloride      | 5.629          | 117  | 21301              | 5.59 ug/l #  |       | 16       |
| 76) 1,2,3-Trichloropropane    | 11.118         | 75   | 82419              | 24.97 ug/l # |       | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.118         | 75   | 82419              | 55.28 ug/l # |       | 12       |
| -----                         |                |      |                    |              |       |          |

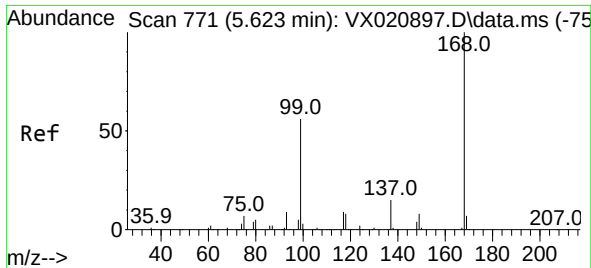
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030521\  
Data File : VX021000.D  
Acq On : 03 Mar 2021 16:06  
Operator : JC/MD  
Sample : M1505-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Mar 04 01:05:01 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022421W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 24 13:50:55 2021  
Response via : Initial Calibration

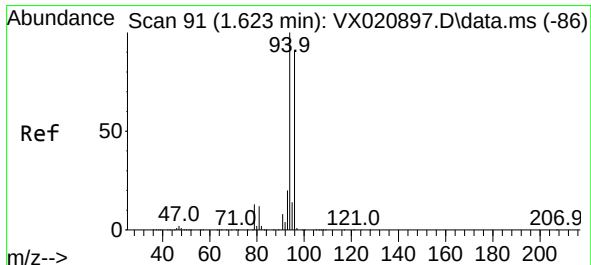
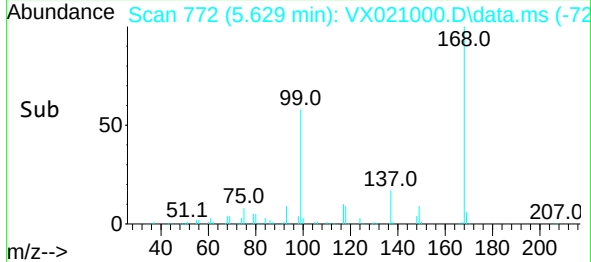
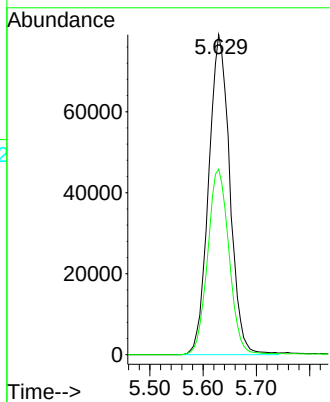
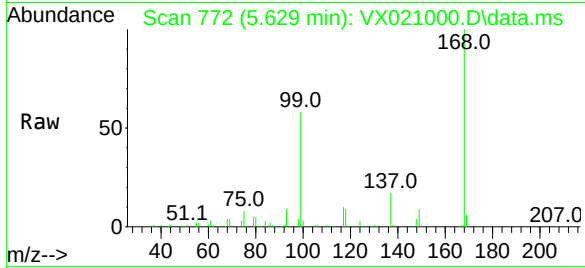




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. 0.006 min  
Lab File: VX021000.D  
Acq: 03 Mar 2021 16:06

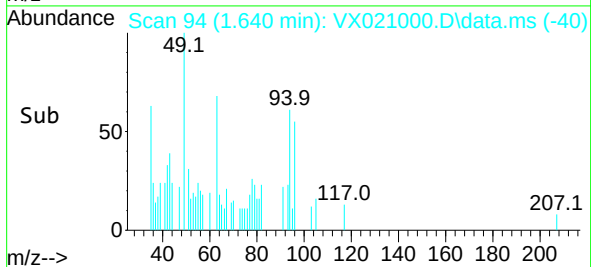
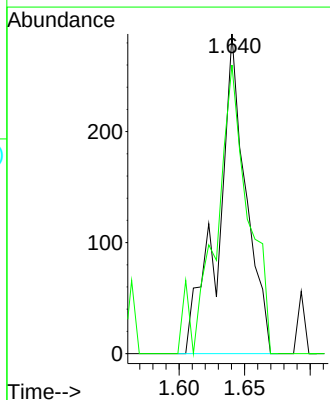
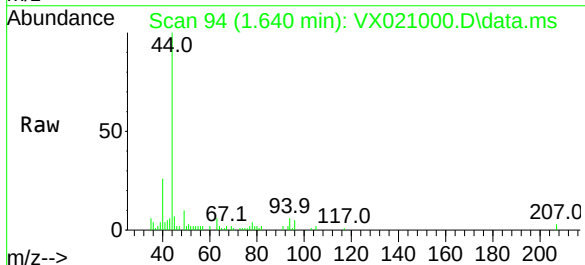
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

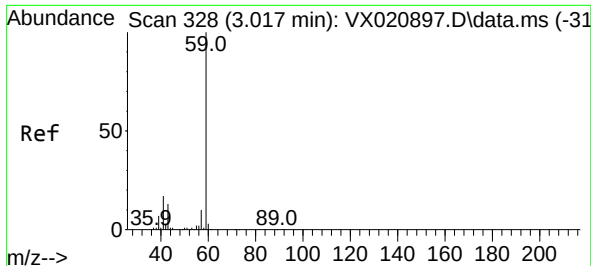
Tgt Ion:168 Resp: 217853  
Ion Ratio Lower Upper  
168 100  
99 57.9 45.8 68.6



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.640 min Scan# 94  
Delta R.T. 0.017 min  
Lab File: VX021000.D  
Acq: 03 Mar 2021 16:06

Tgt Ion: 94 Resp: 424  
Ion Ratio Lower Upper  
94 100  
96 90.3 76.4 114.6

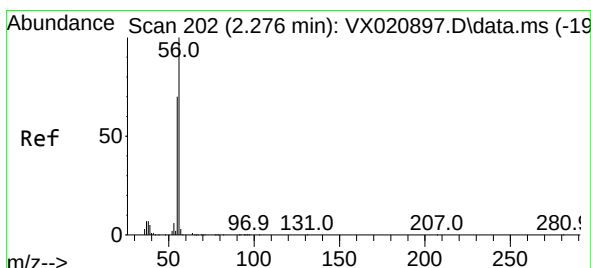
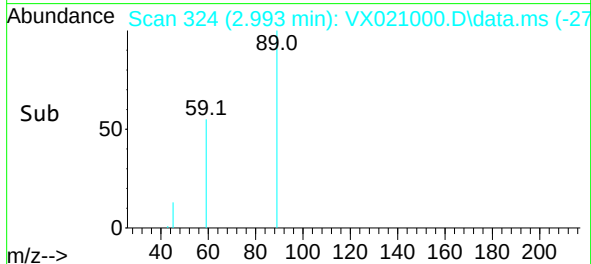
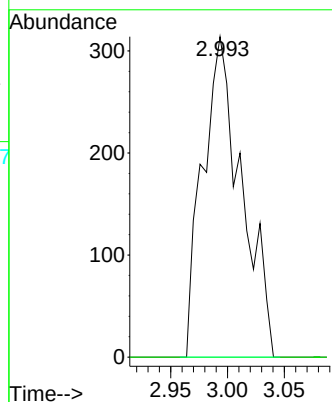
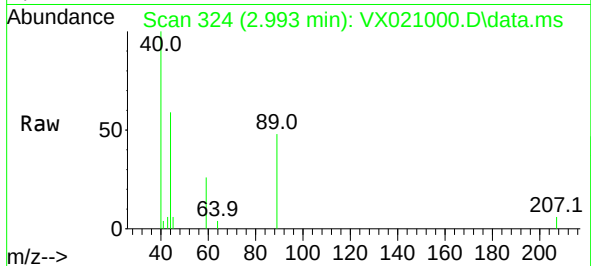




#11  
Tert butyl alcohol  
Concen: 1.14 ug/l  
RT: 2.993 min Scan# 324  
Delta R.T. -0.024 min  
Lab File: VX021000.D  
Acq: 03 Mar 2021 16:06

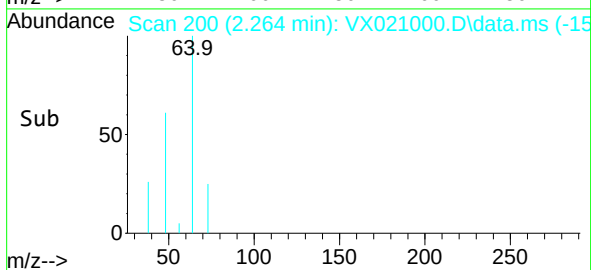
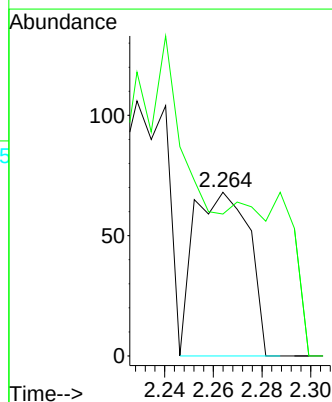
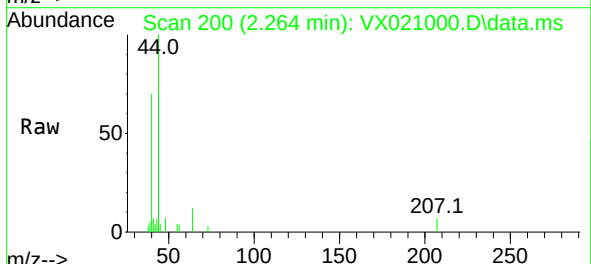
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

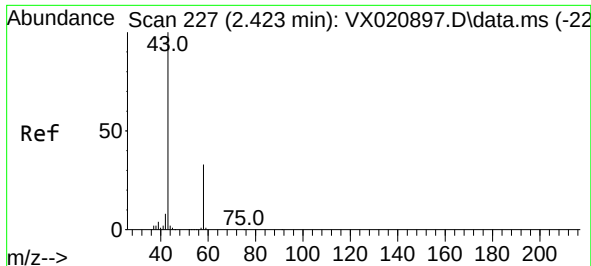
Tgt Ion: 59 Resp: 748  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#



#13  
Acrolein  
Concen: 0.27 ug/l  
RT: 2.264 min Scan# 200  
Delta R.T. -0.012 min  
Lab File: VX021000.D  
Acq: 03 Mar 2021 16:06

Tgt Ion: 56 Resp: 108  
Ion Ratio Lower Upper  
56 100  
55 0.0 56.4 84.6#

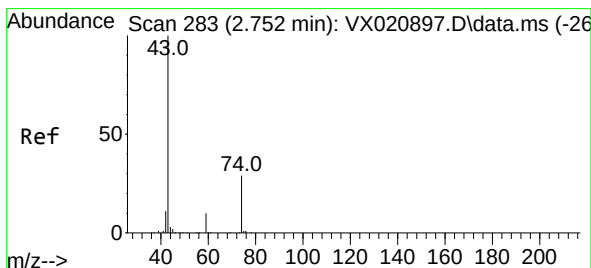
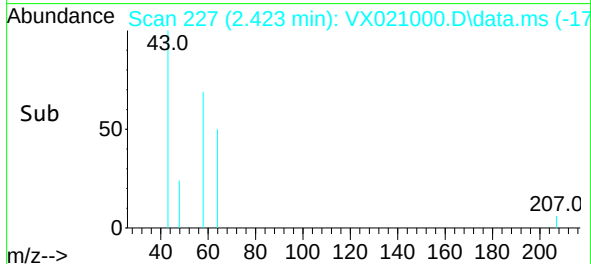
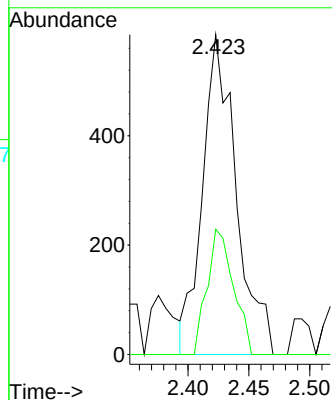
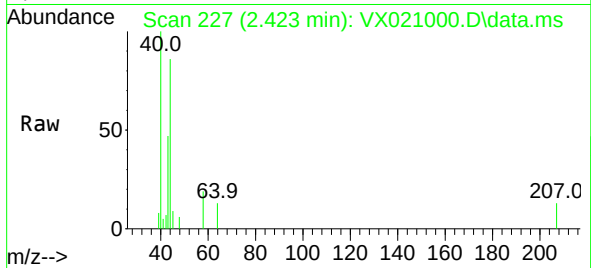




#16  
Acetone  
Concen: 0.93 ug/l  
RT: 2.423 min Scan# 227  
Delta R.T. 0.000 min  
Lab File: VX021000.D  
Acq: 03 Mar 2021 16:06

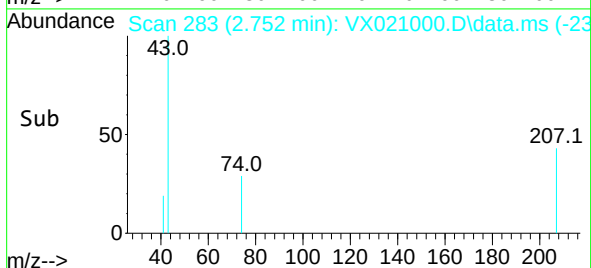
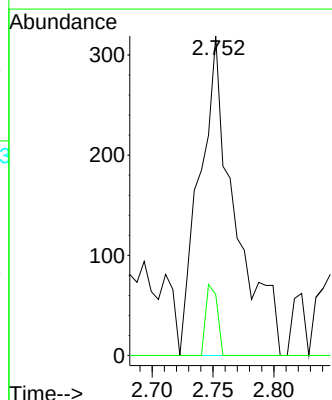
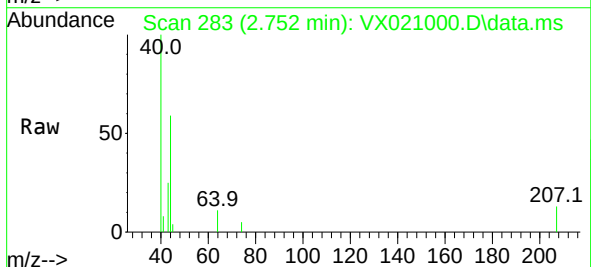
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

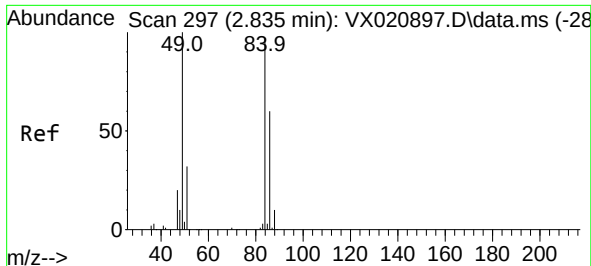
Tgt Ion: 43 Resp: 1125  
Ion Ratio Lower Upper  
43 100  
58 39.1 27.8 41.8



#18  
Methyl Acetate  
Concen: 0.22 ug/l  
RT: 2.752 min Scan# 283  
Delta R.T. 0.000 min  
Lab File: VX021000.D  
Acq: 03 Mar 2021 16:06

Tgt Ion: 43 Resp: 644  
Ion Ratio Lower Upper  
43 100  
74 7.3 21.9 32.9#



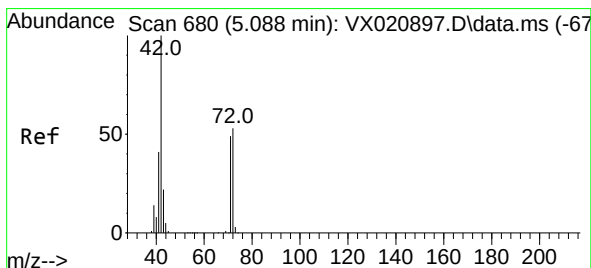
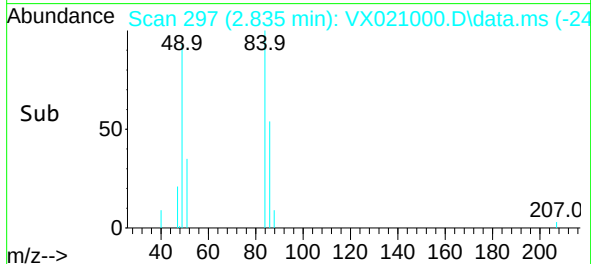
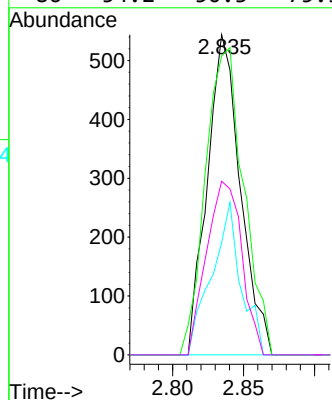
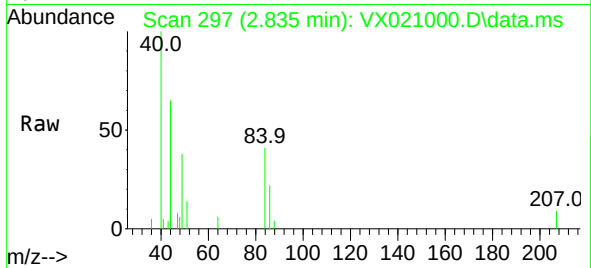


#20  
Methylene Chloride  
Concen: 0.30 ug/l  
RT: 2.835 min Scan# 297  
Delta R.T. 0.000 min  
Lab File: VX021000.D  
Acq: 03 Mar 2021 16:06

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

Tgt Ion: 84 Resp: 883

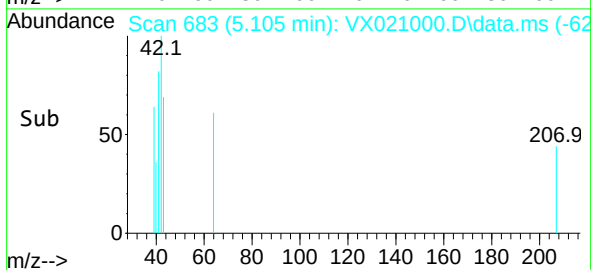
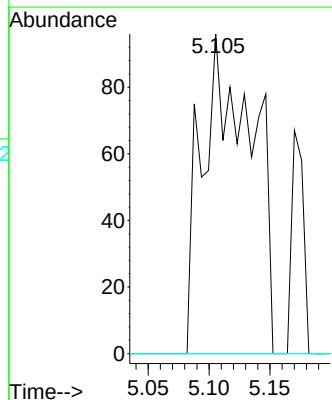
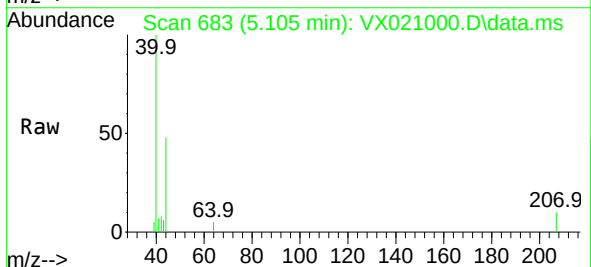
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 93.4  | 88.6  | 132.8 |
| 51  | 35.1  | 27.0  | 40.6  |
| 86  | 54.2  | 50.3  | 75.5  |

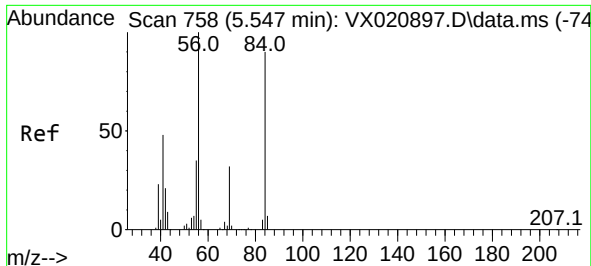


#29  
Tetrahydrofuran  
Concen: 0.23 ug/l  
RT: 5.105 min Scan# 683  
Delta R.T. 0.018 min  
Lab File: VX021000.D  
Acq: 03 Mar 2021 16:06

Tgt Ion: 42 Resp: 272

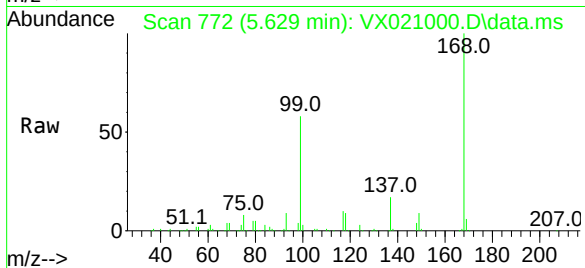
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 72  | 0.0   | 41.7  | 62.5# |
| 71  | 0.0   | 38.4  | 57.6# |



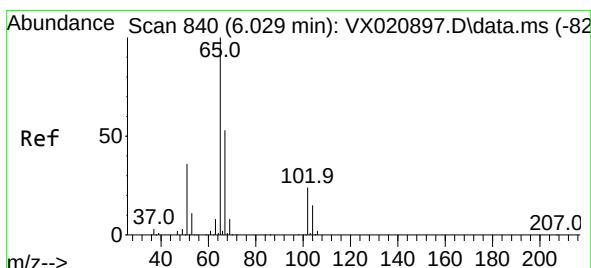
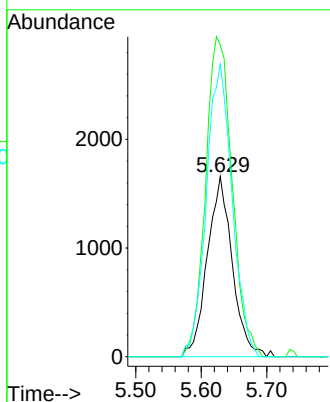
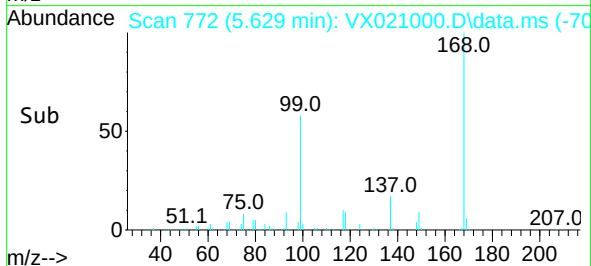


#31  
Cyclohexane  
Concen: 1.03 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. 0.082 min  
Lab File: VX021000.D  
Acq: 03 Mar 2021 16:06

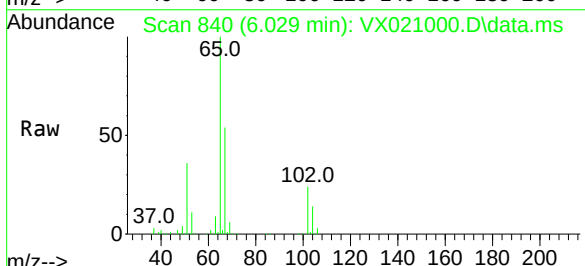
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4



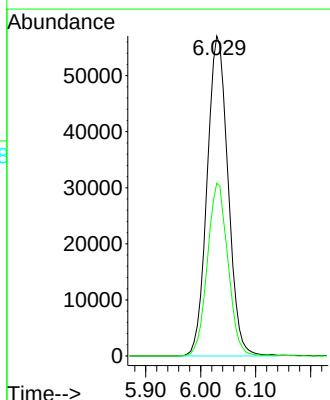
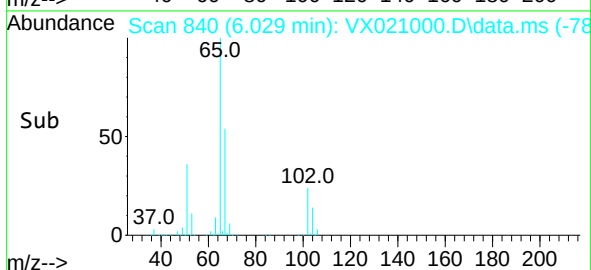
Tgt Ion: 56 Resp: 4402  
Ion Ratio Lower Upper  
56 100  
69 173.0 25.3 37.9#  
84 162.4 71.4 107.0#

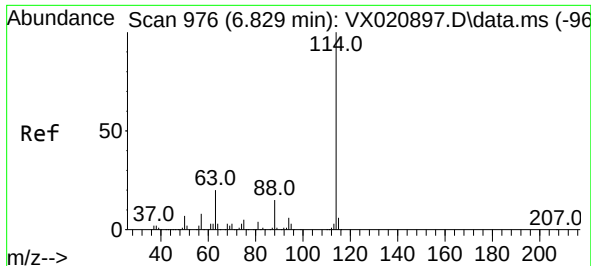


#33  
1,2-Dichloroethane-d4  
Concen: 51.31 ug/l  
RT: 6.029 min Scan# 840  
Delta R.T. 0.000 min  
Lab File: VX021000.D  
Acq: 03 Mar 2021 16:06



Tgt Ion: 65 Resp: 150984  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 105.4

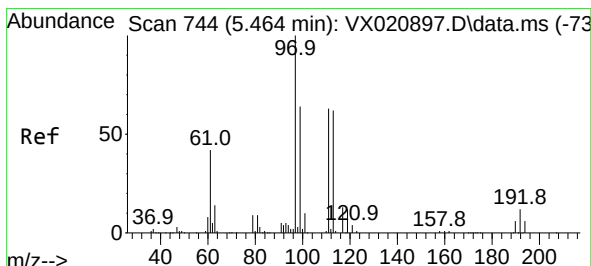
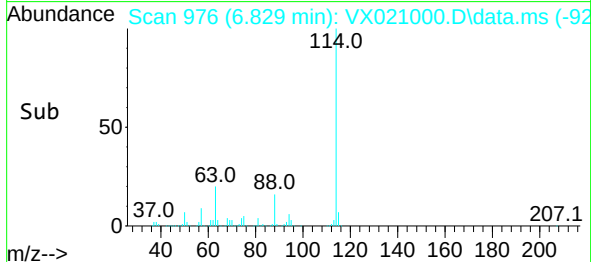
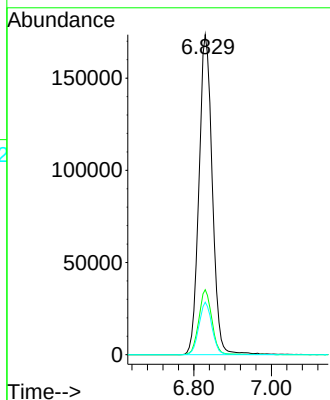
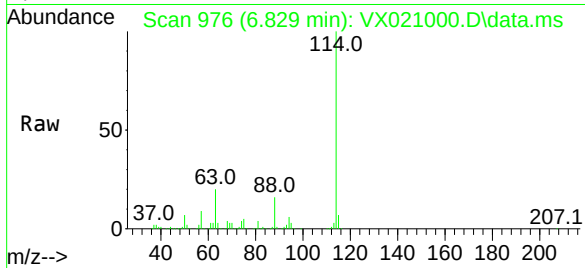




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.829 min Scan# 976  
Delta R.T. 0.000 min  
Lab File: VX021000.D  
Acq: 03 Mar 2021 16:06

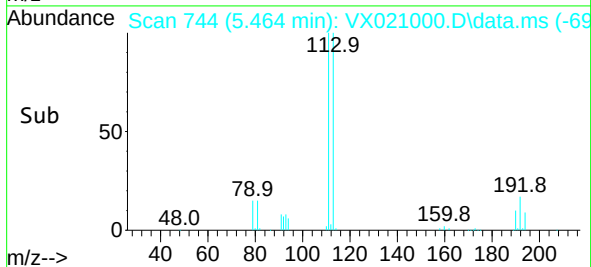
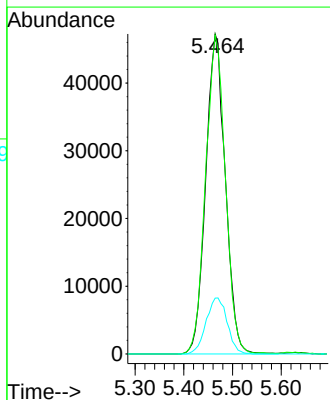
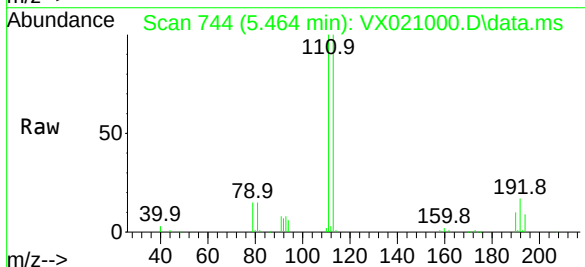
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

Tgt Ion:114 Resp: 414140  
Ion Ratio Lower Upper  
114 100  
63 20.3 0.0 40.8  
88 16.4 0.0 32.8

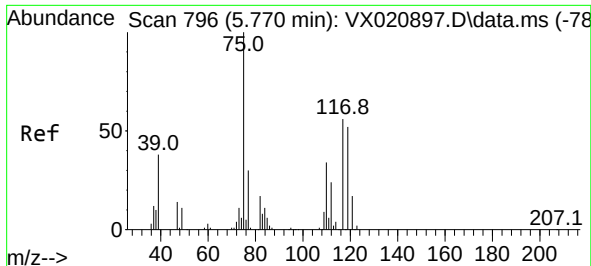


#35  
Dibromofluoromethane  
Concen: 52.30 ug/l  
RT: 5.464 min Scan# 744  
Delta R.T. 0.000 min  
Lab File: VX021000.D  
Acq: 03 Mar 2021 16:06

Tgt Ion:113 Resp: 131594  
Ion Ratio Lower Upper  
113 100  
111 100.6 81.9 122.9  
192 18.9 16.7 25.1

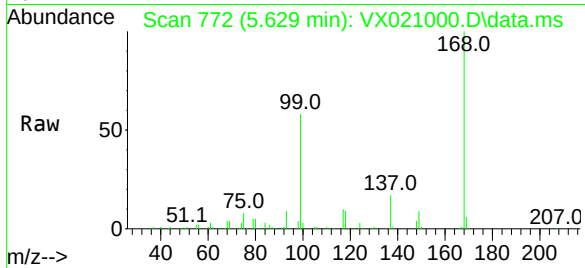




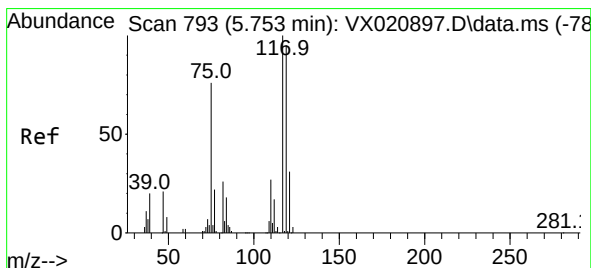
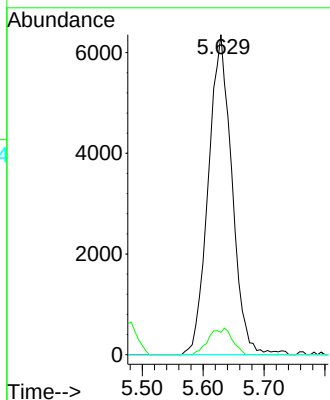
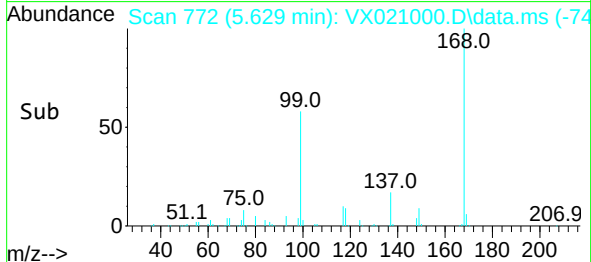


#36  
1,1-Dichloropropene  
Concen: 4.33 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. -0.141 min  
Lab File: VX021000.D  
Acq: 03 Mar 2021 16:06

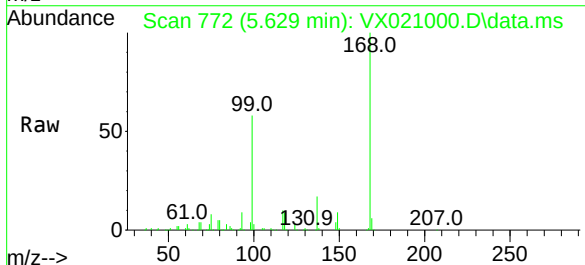
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4



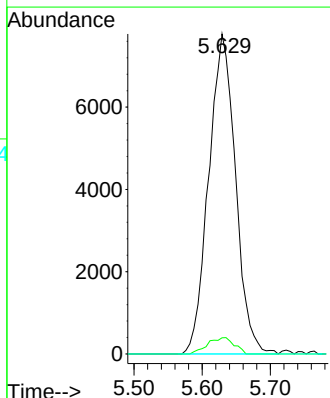
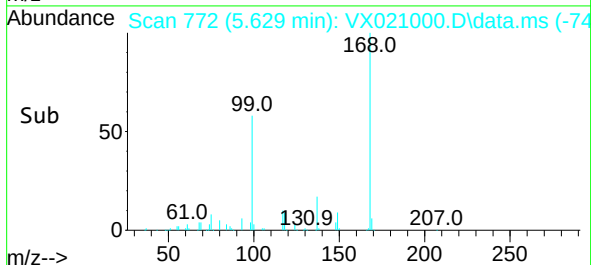
Tgt Ion: 75 Resp: 17062  
Ion Ratio Lower Upper  
75 100  
110 8.3 18.1 54.4#  
77 0.0 25.3 37.9#

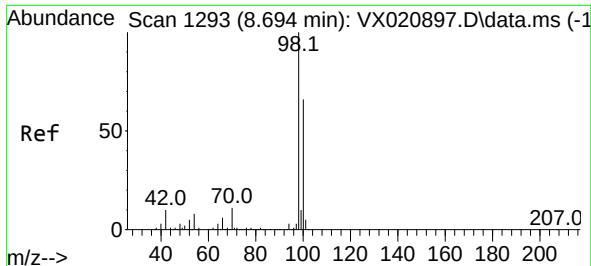


#38  
Carbon Tetrachloride  
Concen: 5.59 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. -0.124 min  
Lab File: VX021000.D  
Acq: 03 Mar 2021 16:06



Tgt Ion: 117 Resp: 21301  
Ion Ratio Lower Upper  
117 100  
119 5.1 76.2 114.2#  
121 0.0 24.8 37.2#

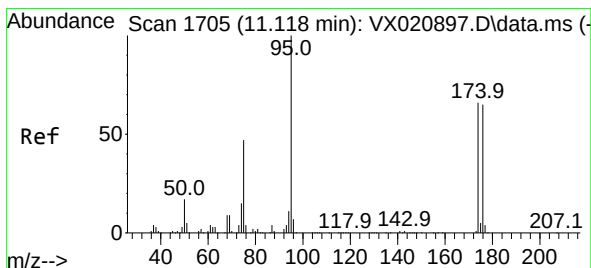
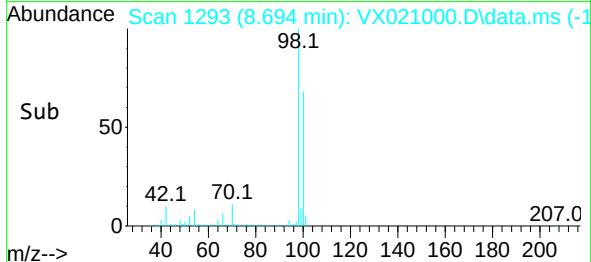
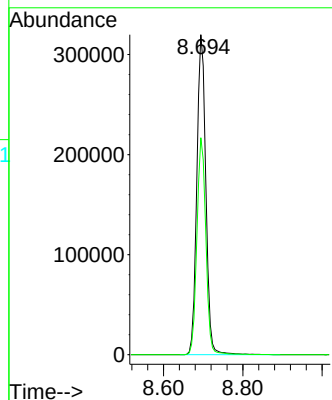
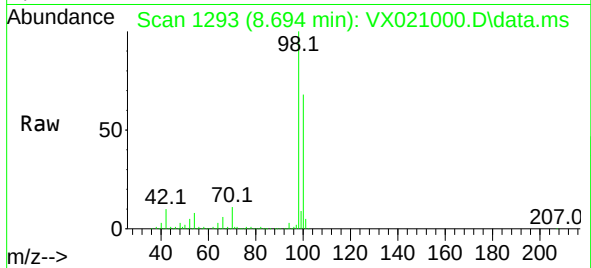




#50  
Toluene-d8  
Concen: 51.24 ug/l  
RT: 8.694 min Scan# 1293  
Delta R.T. 0.000 min  
Lab File: VX021000.D  
Acq: 03 Mar 2021 16:06

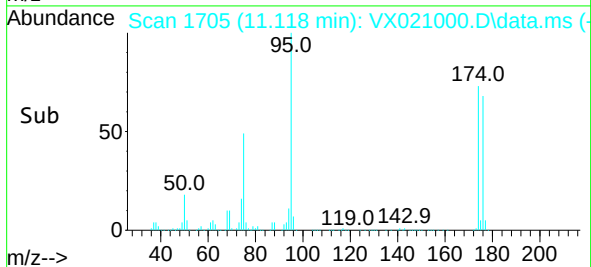
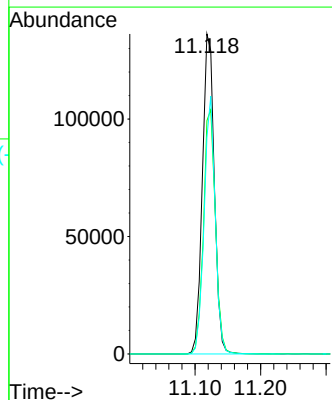
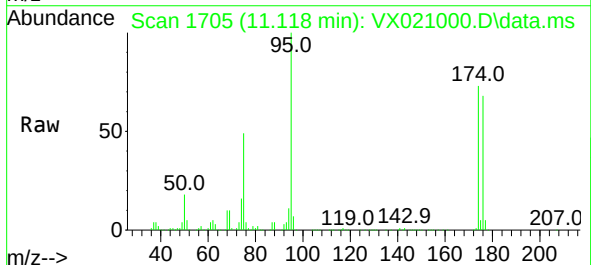
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

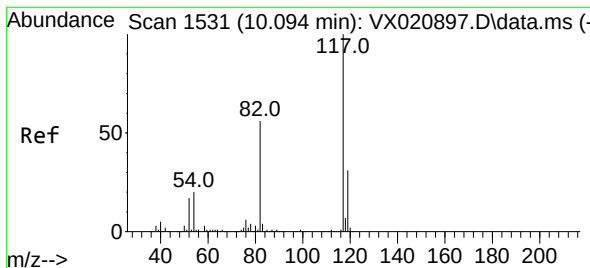
Tgt Ion: 98 Resp: 502701  
Ion Ratio Lower Upper  
98 100  
100 67.3 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 47.75 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. 0.000 min  
Lab File: VX021000.D  
Acq: 03 Mar 2021 16:06

Tgt Ion: 95 Resp: 173223  
Ion Ratio Lower Upper  
95 100  
174 76.5 0.0 154.6  
176 74.8 0.0 155.8

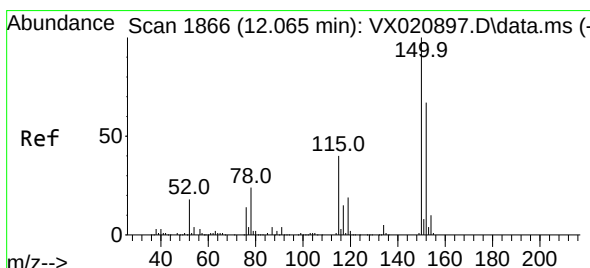
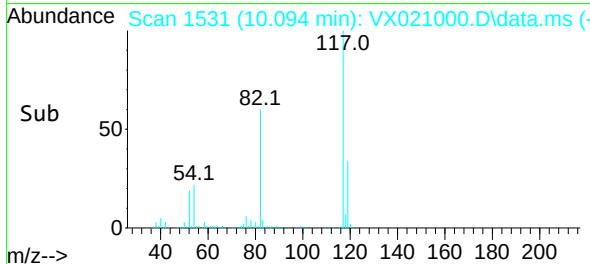
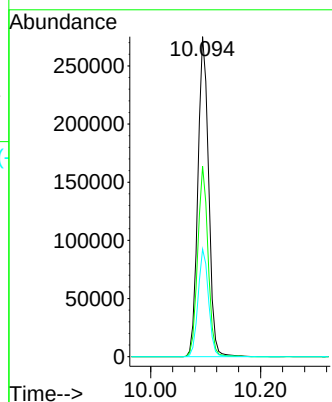
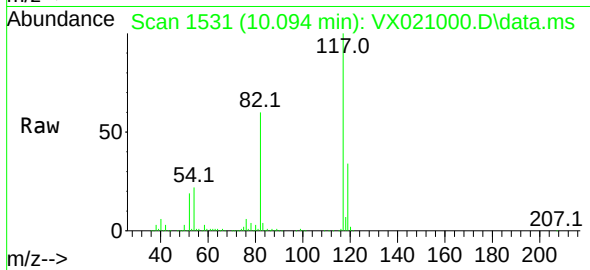




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: VX021000.D  
Acq: 03 Mar 2021 16:06

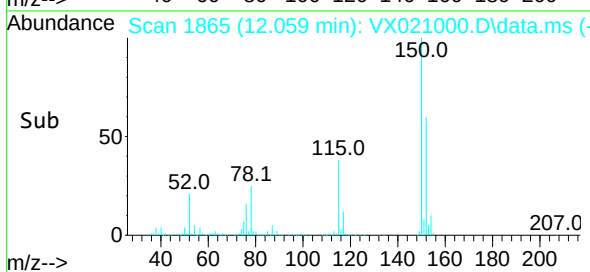
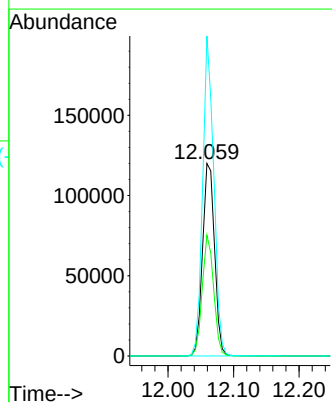
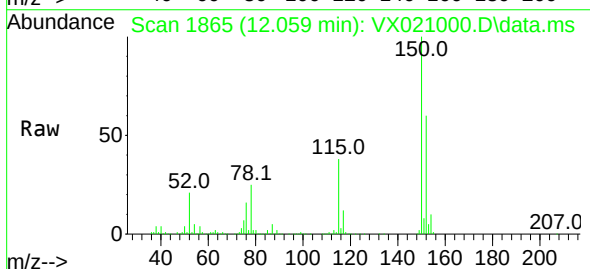
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

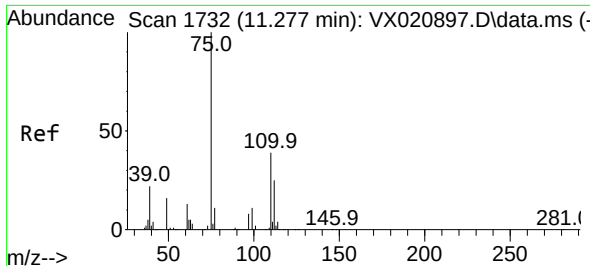
Tgt Ion:117 Resp: 373958  
Ion Ratio Lower Upper  
117 100  
82 59.5 47.4 71.2  
119 33.6 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.059 min Scan# 1865  
Delta R.T. -0.006 min  
Lab File: VX021000.D  
Acq: 03 Mar 2021 16:06

Tgt Ion:152 Resp: 153431  
Ion Ratio Lower Upper  
152 100  
115 59.9 41.1 123.3  
150 153.7 0.0 349.0

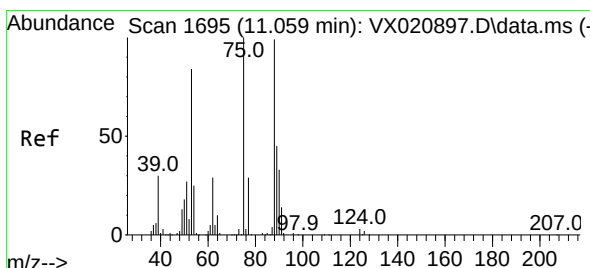
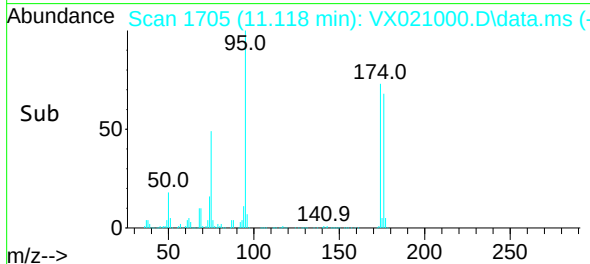
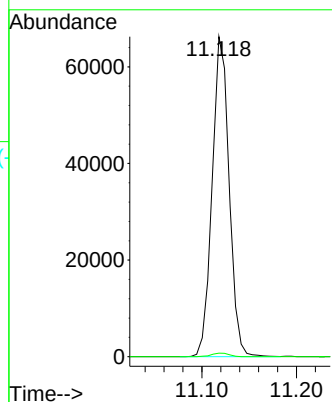
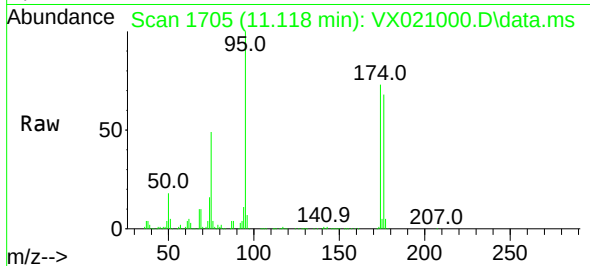




#76  
1,2,3-Trichloropropane  
Concen: 24.97 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.159 min  
Lab File: VX021000.D  
Acq: 03 Mar 2021 16:06

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

Tgt Ion: 75 Resp: 82419  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 55.28 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. 0.059 min  
Lab File: VX021000.D  
Acq: 03 Mar 2021 16:06

Tgt Ion: 75 Resp: 82419  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#

