

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042823\  
 Data File : VX035381.D  
 Acq On : 28 Apr 2023 11:21  
 Operator : JC/MD  
 Sample : VX0428WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0428WBL01

Quant Time: Apr 28 15:40:32 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042523W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 16:31:40 2023  
 Response via : Initial Calibration

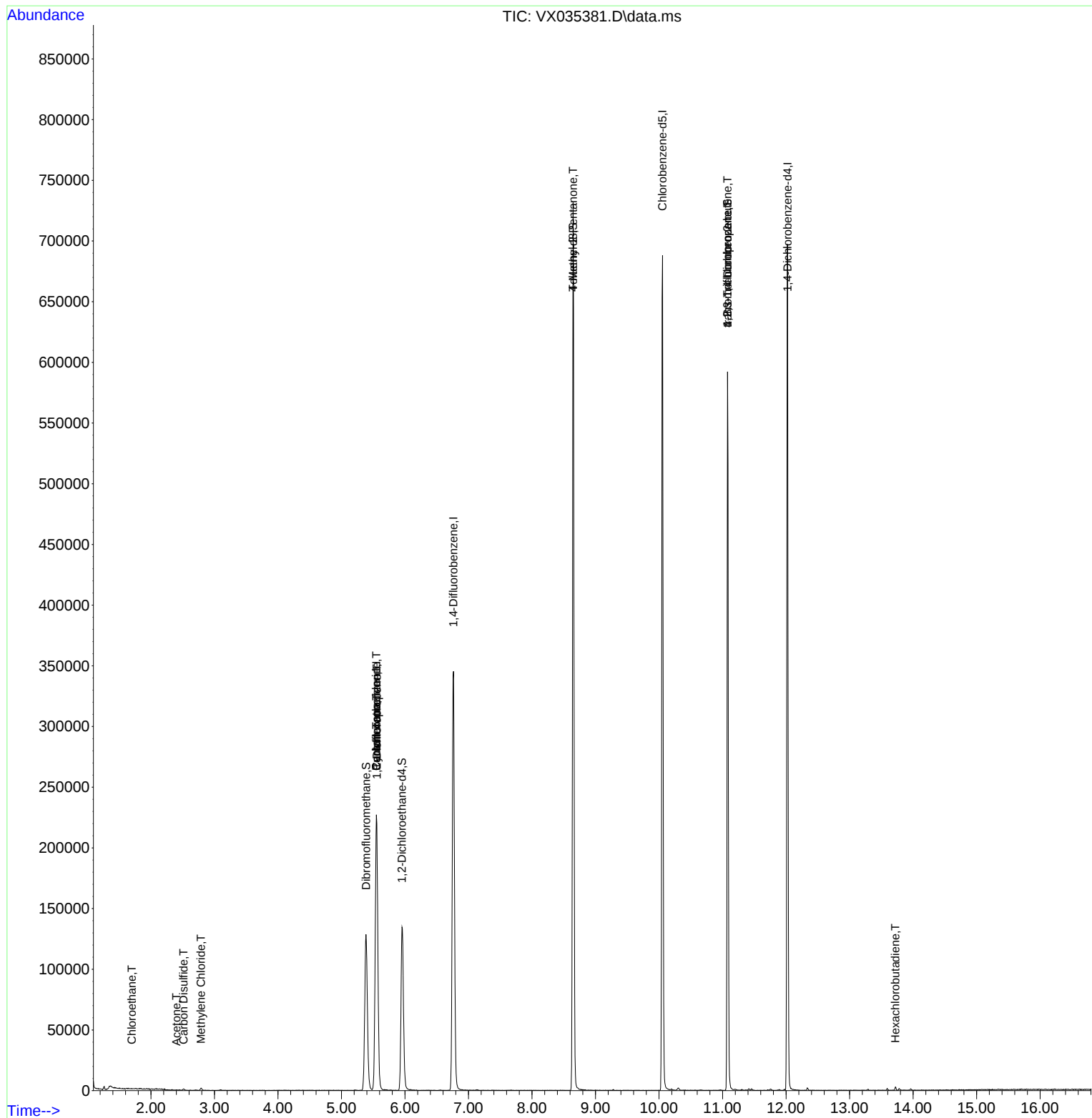
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 223220              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 366670              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 331319              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 156787              | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 134846              | 50.072 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 100.140% |        |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 114638              | 50.939 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 101.880% |        |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 430119              | 50.664 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 101.320% |        |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 164507              | 51.510 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 103.020% |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      | Qvalue              |        |        |          |
| 6) Chloroethane               | 1.697          | 64   | 265                 | 0.210  | ug/l # | 42       |
| 16) Acetone                   | 2.398          | 43   | 245                 | 0.209  | ug/l # | 44       |
| 17) Carbon Disulfide          | 2.514          | 76   | 1434                | 0.276  | ug/l   | 98       |
| 20) Methylene Chloride        | 2.788          | 84   | 744                 | 0.277  | ug/l # | 85       |
| 31) Cyclohexane               | 5.550          | 56   | 4313                | 1.129  | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.556          | 75   | 16145               | 4.594  | ug/l # | 52       |
| 38) Carbon Tetrachloride      | 5.550          | 117  | 22605               | 6.776  | ug/l # | 17       |
| 51) 4-Methyl-2-Pentanone      | 8.647          | 43   | 1724                | 0.520  | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 80766               | 25.824 | ug/l # | 34       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 80766               | 83.639 | ug/l # | 8        |
| 94) Hexachlorobutadiene       | 13.719         | 225  | 637                 | 0.426  | ug/l   | 84       |
| -----                         |                |      |                     |        |        |          |

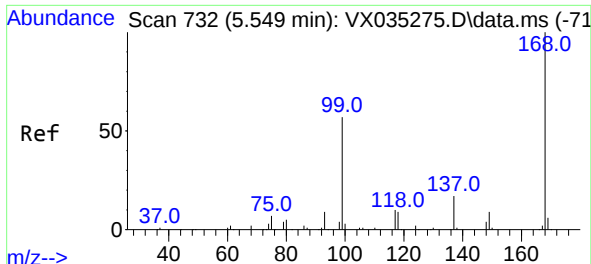
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042823\  
Data File : VX035381.D  
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Sample : VX0428WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0428WBL01

Quant Time: Apr 28 15:40:32 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042523W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 25 16:31:40 2023  
Response via : Initial Calibration

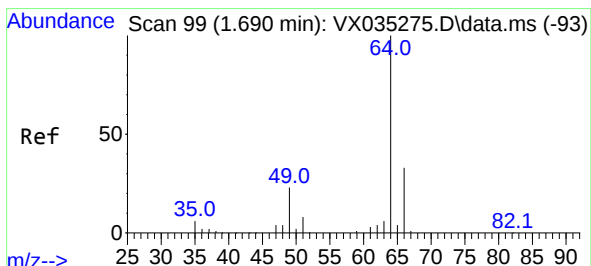
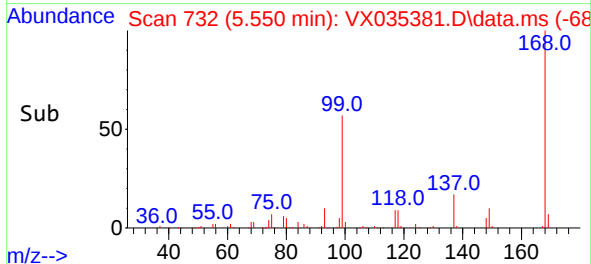
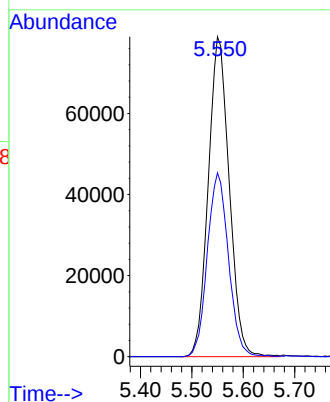
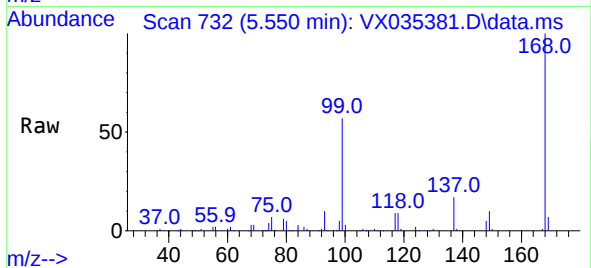




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: VX035381.D  
Acq: 28 Apr 2023 11:21

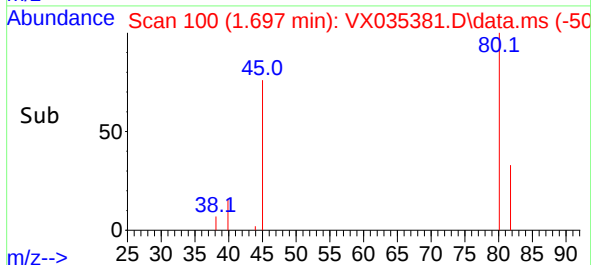
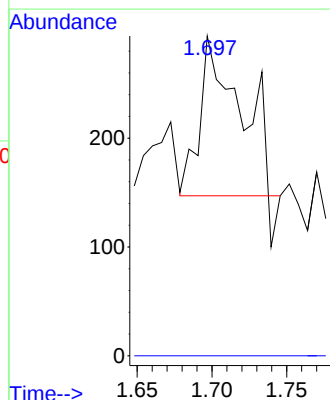
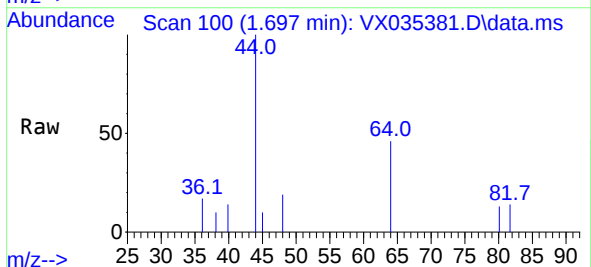
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0428WBL01

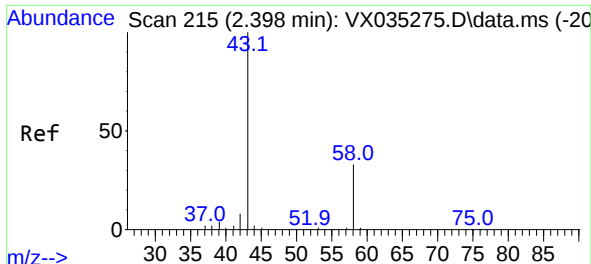
Tgt Ion:168 Resp: 223220  
Ion Ratio Lower Upper  
168 100  
99 57.4 45.7 68.5



#6  
Chloroethane  
Concen: 0.210 ug/l  
RT: 1.697 min Scan# 100  
Delta R.T. 0.007 min  
Lab File: VX035381.D  
Acq: 28 Apr 2023 11:21

Tgt Ion: 64 Resp: 265  
Ion Ratio Lower Upper  
64 100  
66 0.0 26.2 39.4#

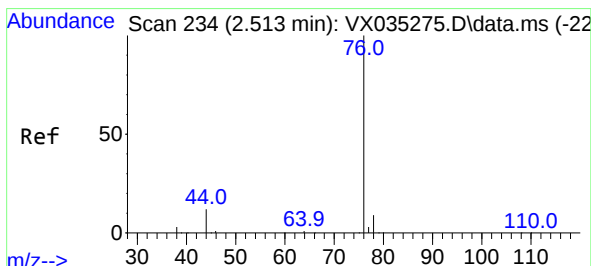
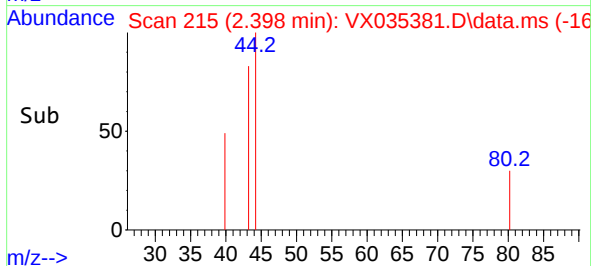
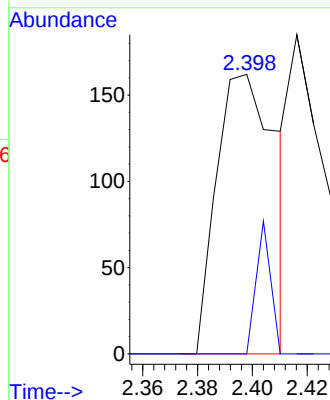
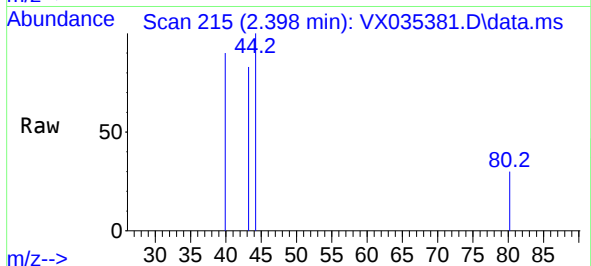




#16  
Acetone  
Concen: 0.209 ug/l  
RT: 2.398 min Scan# 215  
Delta R.T. -0.000 min  
Lab File: VX035381.D  
Acq: 28 Apr 2023 11:21

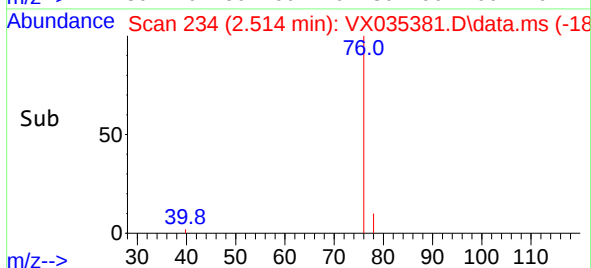
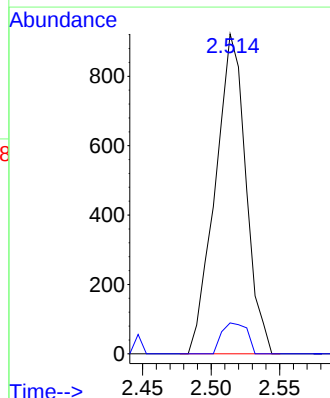
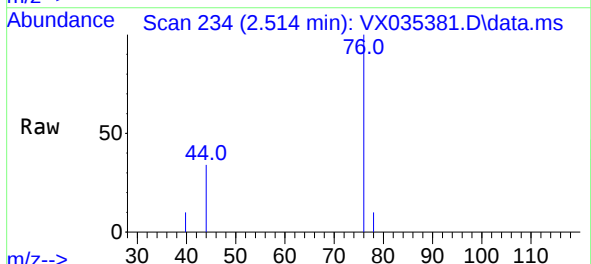
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0428WBL01

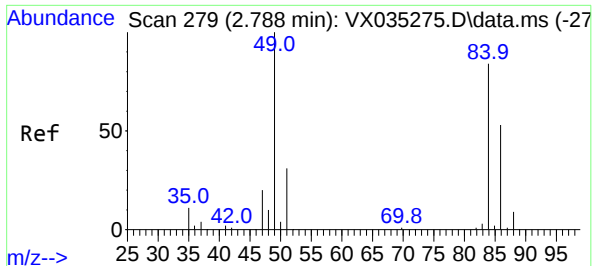
Tgt Ion: 43 Resp: 245  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.7 37.1#



#17  
Carbon Disulfide  
Concen: 0.276 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. 0.001 min  
Lab File: VX035381.D  
Acq: 28 Apr 2023 11:21

Tgt Ion: 76 Resp: 1434  
Ion Ratio Lower Upper  
76 100  
78 9.7 7.2 10.8

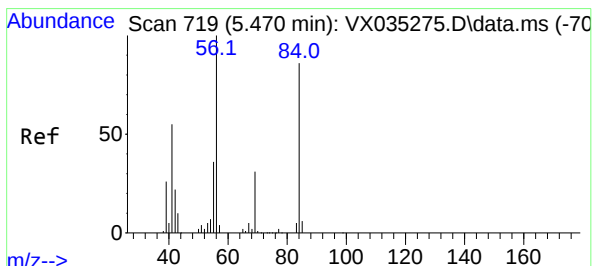
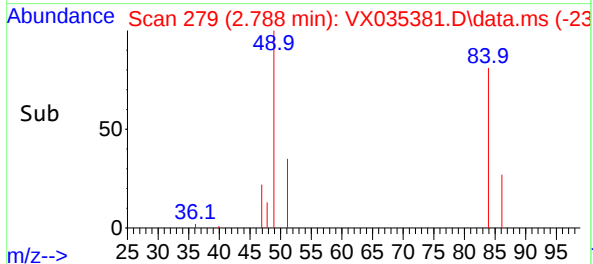
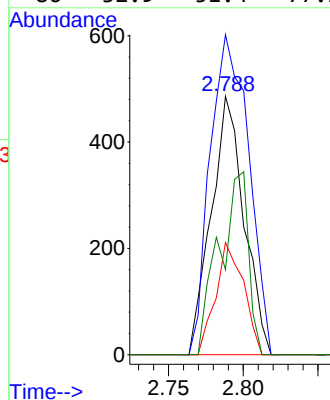
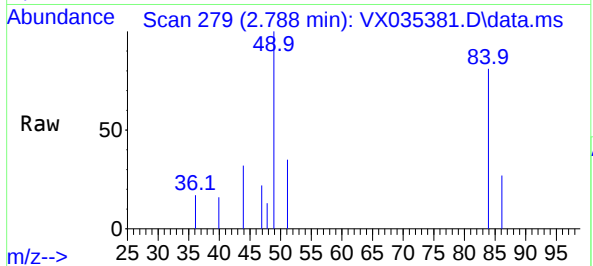




#20  
Methylene Chloride  
Concen: 0.277 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX035381.D  
Acq: 28 Apr 2023 11:21

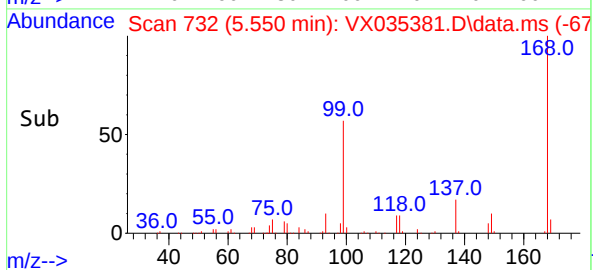
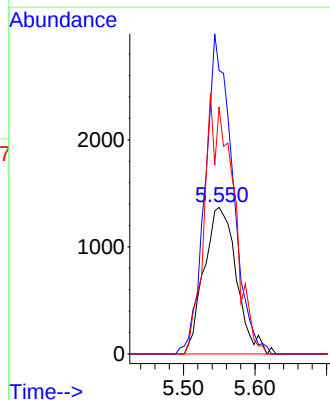
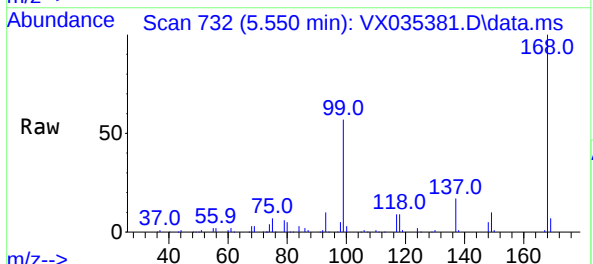
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0428WBL01

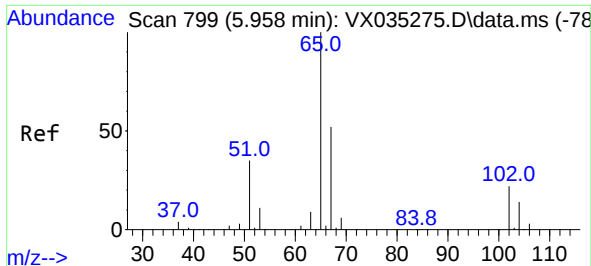
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 744   |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 123.9 | 103.8 | 155.8 |
| 51       | 43.4  | 31.8  | 47.8  |
| 86       | 32.9  | 51.4  | 77.2# |



#31  
Cyclohexane  
Concen: 1.129 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.080 min  
Lab File: VX035381.D  
Acq: 28 Apr 2023 11:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 4313   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 193.4 | 23.7  | 35.5#  |
| 84       | 168.4 | 68.5  | 102.7# |

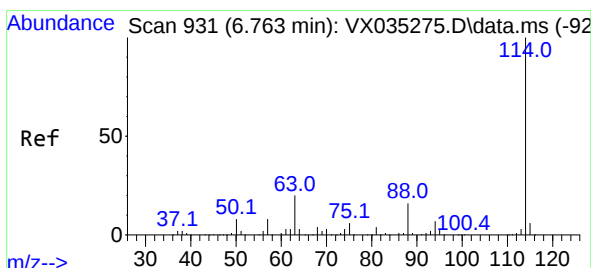
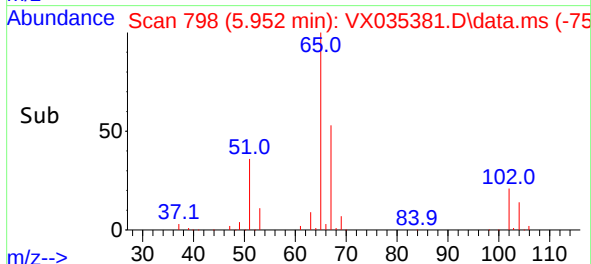
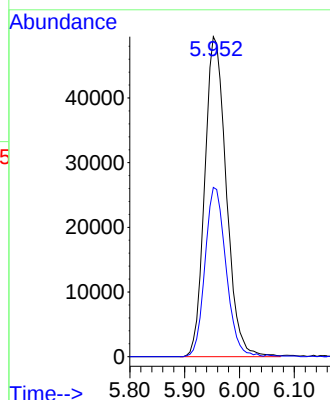
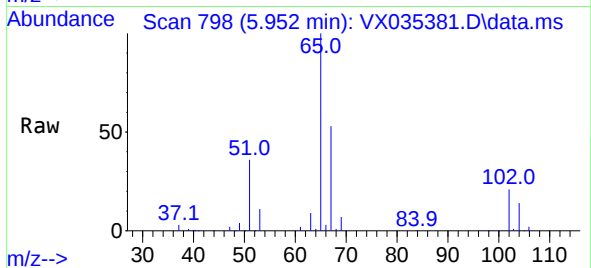




#33  
1,2-Dichloroethane-d4  
Concen: 50.072 ug/l  
RT: 5.952 min Scan# 799  
Delta R.T. -0.006 min  
Lab File: VX035381.D  
Acq: 28 Apr 2023 11:21

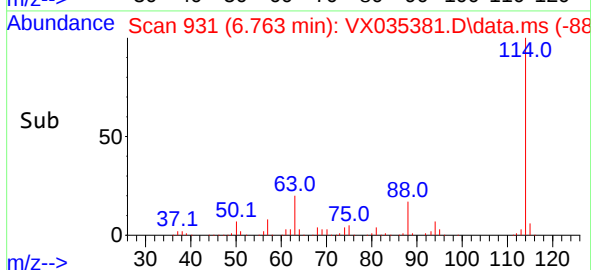
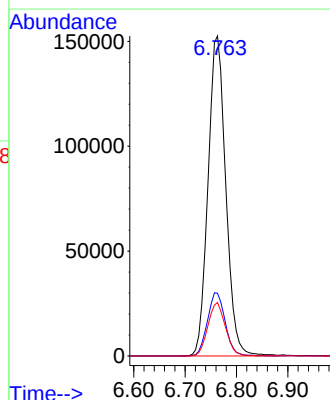
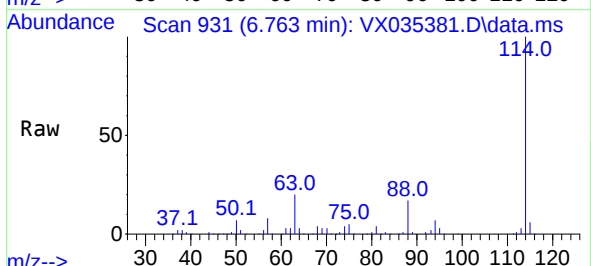
Instrument :  
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ClientSampleId :  
VX0428WBL01

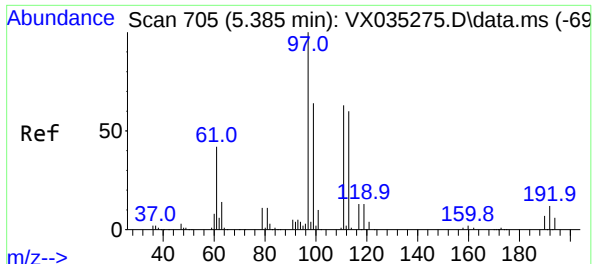
Tgt Ion: 65 Resp: 134846  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 104.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 931  
Delta R.T. 0.000 min  
Lab File: VX035381.D  
Acq: 28 Apr 2023 11:21

Tgt Ion: 114 Resp: 366670  
Ion Ratio Lower Upper  
114 100  
63 19.6 0.0 42.2  
88 16.7 0.0 33.2

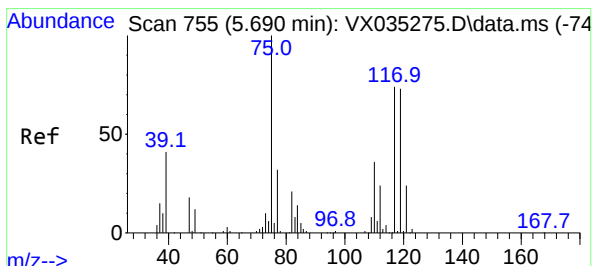
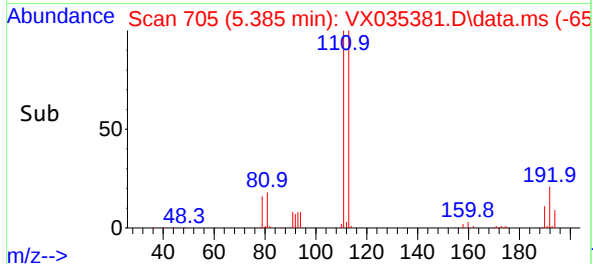
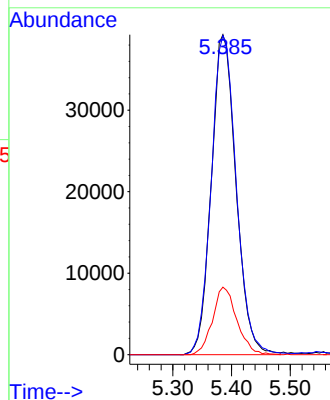
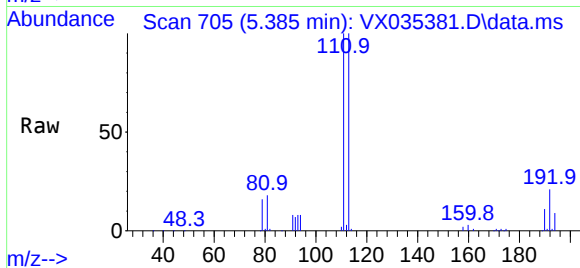




#35  
Dibromofluoromethane  
Concen: 50.939 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX035381.D  
Acq: 28 Apr 2023 11:21

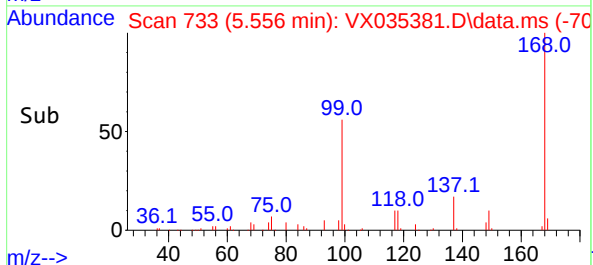
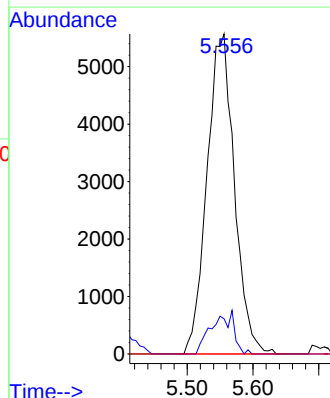
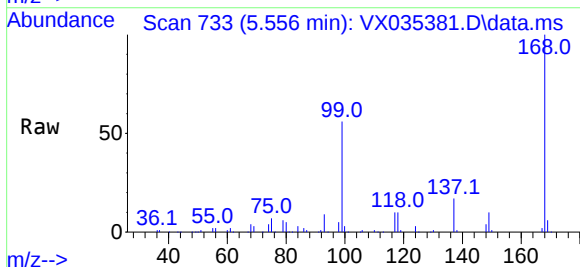
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0428WBL01

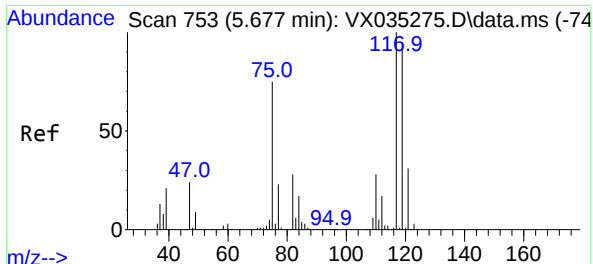
Tgt Ion:113 Resp: 114638  
Ion Ratio Lower Upper  
113 100  
111 101.6 83.7 125.5  
192 20.7 15.4 23.2



#36  
1,1-Dichloropropene  
Concen: 4.594 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.134 min  
Lab File: VX035381.D  
Acq: 28 Apr 2023 11:21

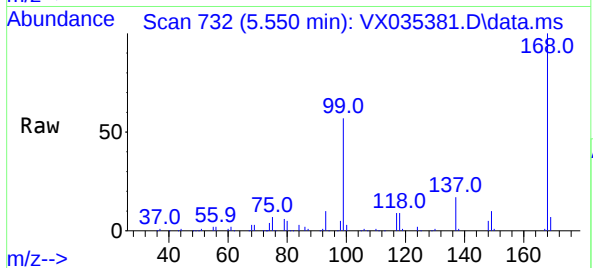
Tgt Ion: 75 Resp: 16145  
Ion Ratio Lower Upper  
75 100  
110 10.9 17.5 52.5#  
77 0.0 24.3 36.5#



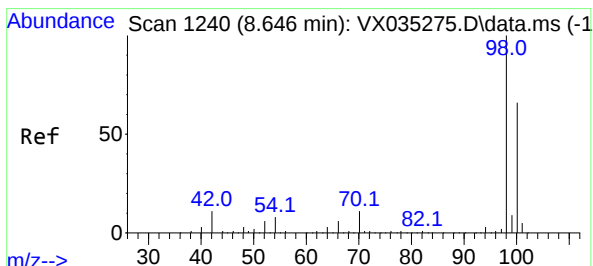
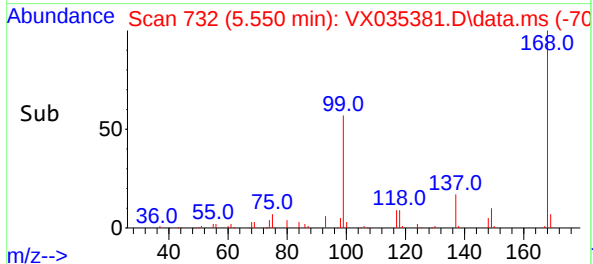
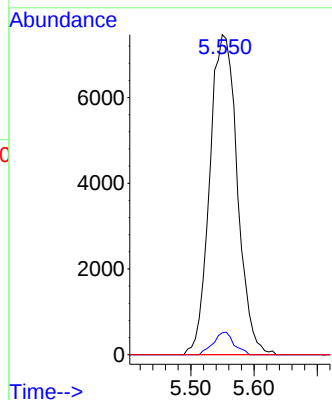


#38  
Carbon Tetrachloride  
Concen: 6.776 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.127 min  
Lab File: VX035381.D  
Acq: 28 Apr 2023 11:21

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0428WBL01

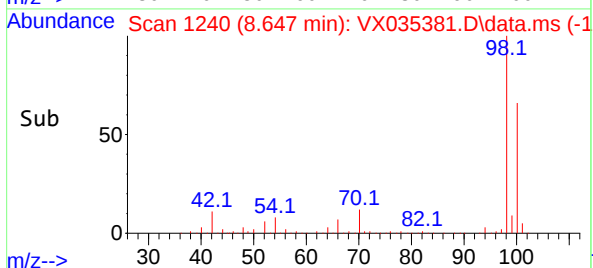
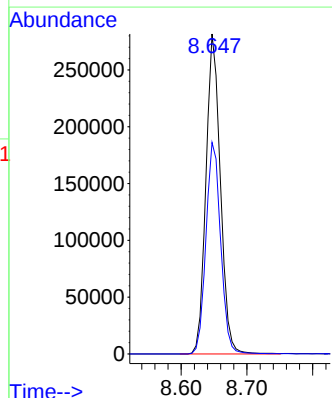
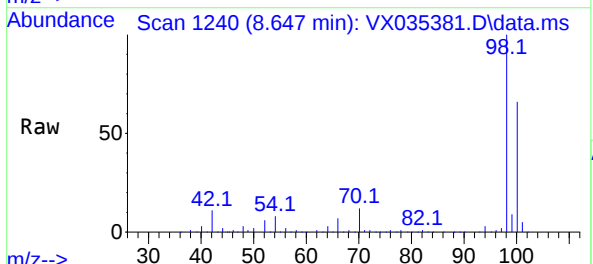


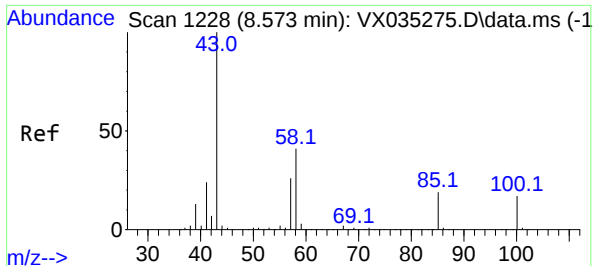
Tgt Ion:117 Resp: 22605  
Ion Ratio Lower Upper  
117 100  
119 6.8 76.6 114.8#  
121 0.0 23.8 35.6#



#50  
Toluene-d8  
Concen: 50.664 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.001 min  
Lab File: VX035381.D  
Acq: 28 Apr 2023 11:21

Tgt Ion: 98 Resp: 430119  
Ion Ratio Lower Upper  
98 100  
100 67.3 52.5 78.7

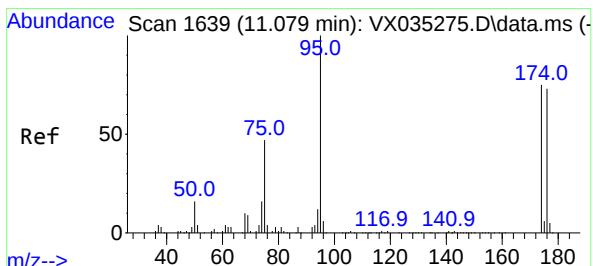
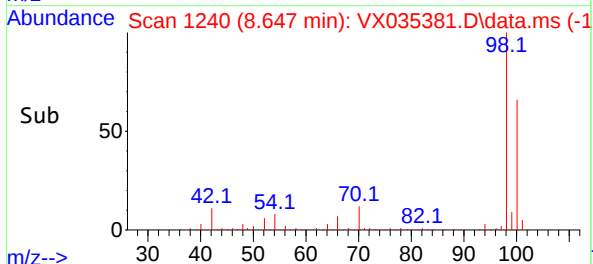
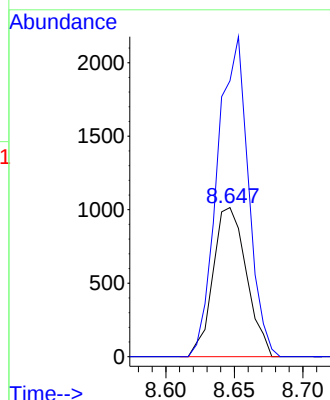
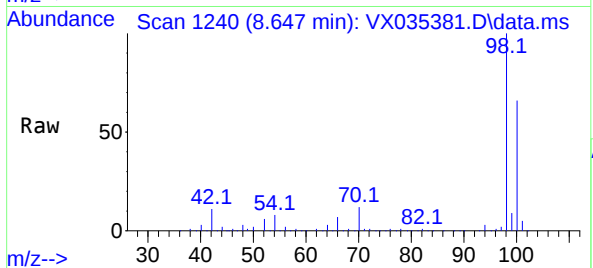




#51  
4-Methyl-2-Pentanone  
Concen: 0.520 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.074 min  
Lab File: VX035381.D  
Acq: 28 Apr 2023 11:21

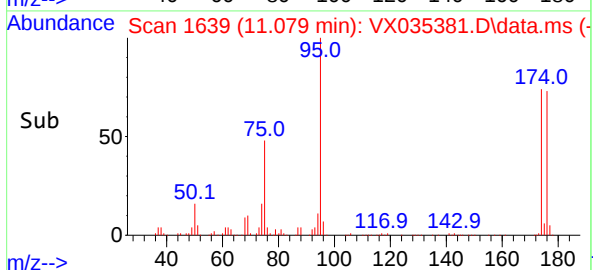
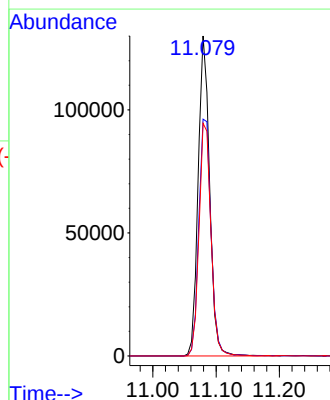
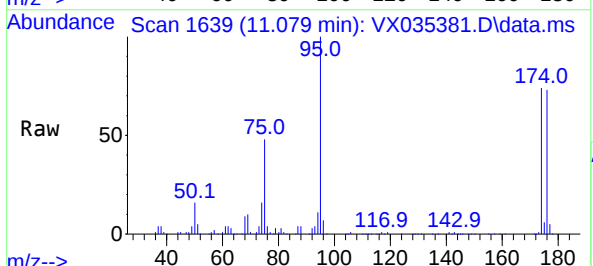
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0428WBL01

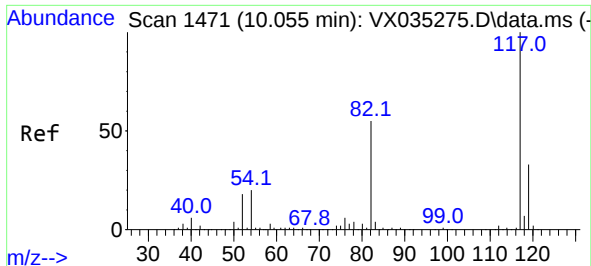
Tgt Ion: 43 Resp: 1724  
Ion Ratio Lower Upper  
43 100  
58 198.8 30.6 46.0#



#62  
4-Bromofluorobenzene  
Concen: 51.510 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX035381.D  
Acq: 28 Apr 2023 11:21

Tgt Ion: 95 Resp: 164507  
Ion Ratio Lower Upper  
95 100  
174 79.0 0.0 147.4  
176 75.7 0.0 140.6

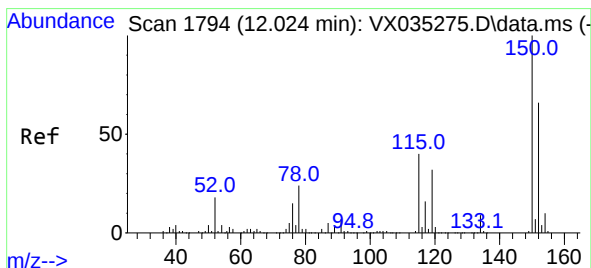
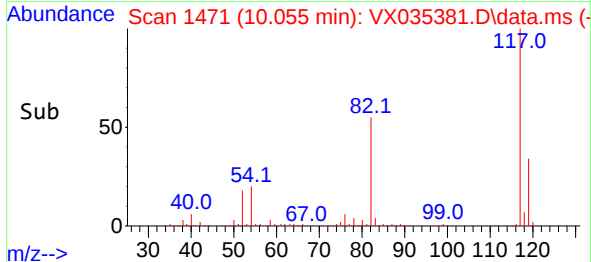
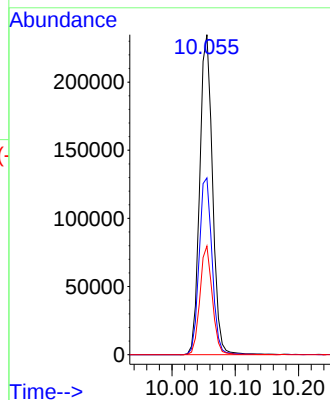
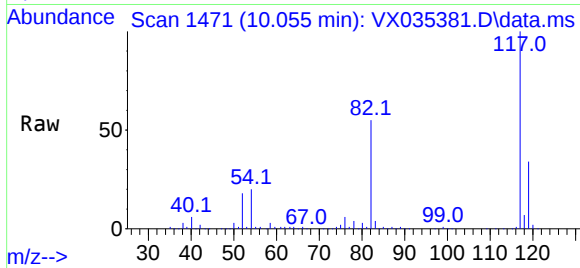




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX035381.D  
Acq: 28 Apr 2023 11:21

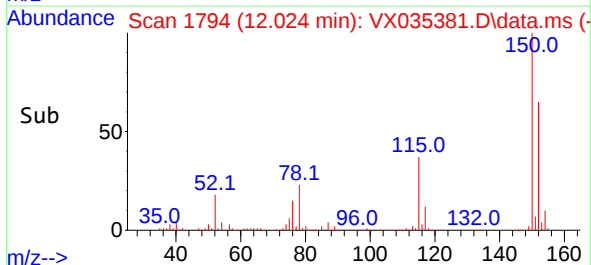
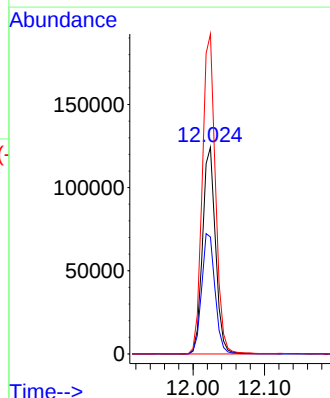
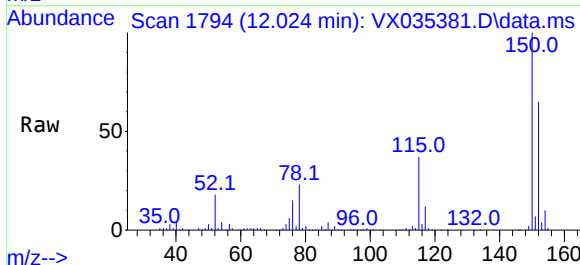
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0428WBL01

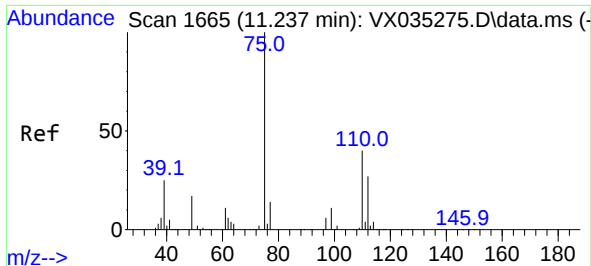
Tgt Ion:117 Resp: 331319  
Ion Ratio Lower Upper  
117 100  
82 55.3 45.0 67.4  
119 34.0 26.0 39.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX035381.D  
Acq: 28 Apr 2023 11:21

Tgt Ion:152 Resp: 156787  
Ion Ratio Lower Upper  
152 100  
115 59.9 45.0 135.0  
150 156.7 0.0 352.4

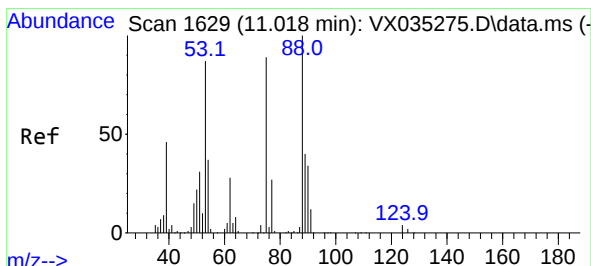
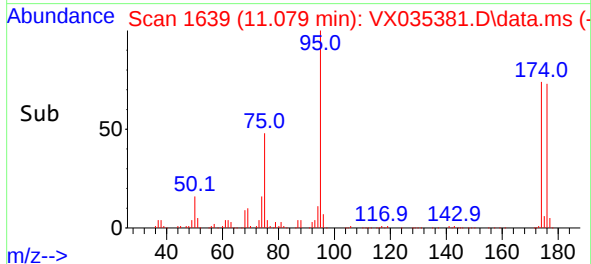
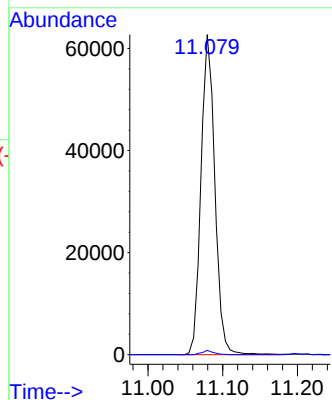
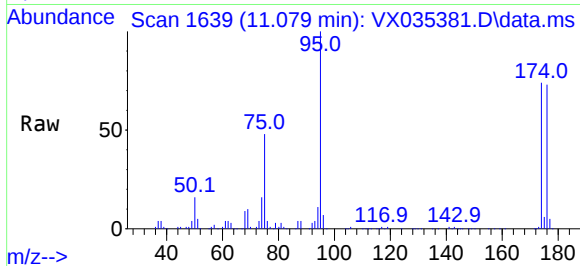




#76  
1,2,3-Trichloropropane  
Concen: 25.824 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX035381.D  
Acq: 28 Apr 2023 11:21

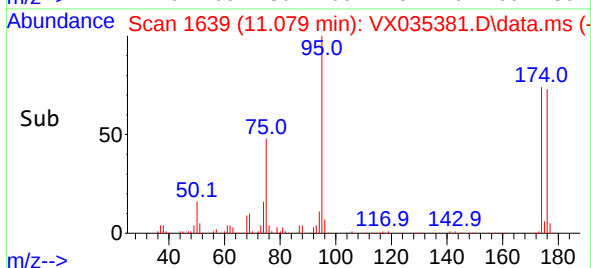
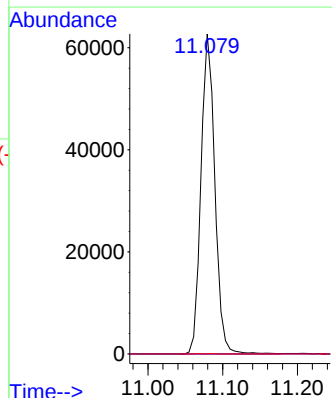
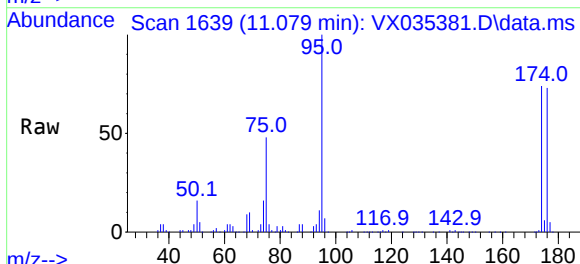
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0428WBL01

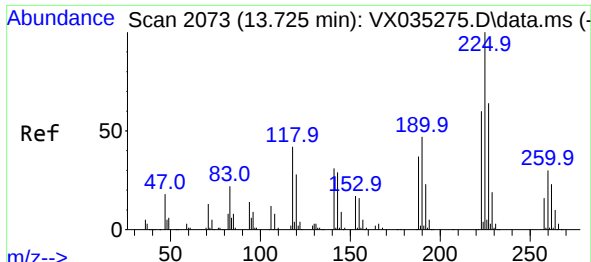
Tgt Ion: 75 Resp: 80766  
Ion Ratio Lower Upper  
75 100  
77 1.1 21.6 64.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 83.639 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX035381.D  
Acq: 28 Apr 2023 11:21

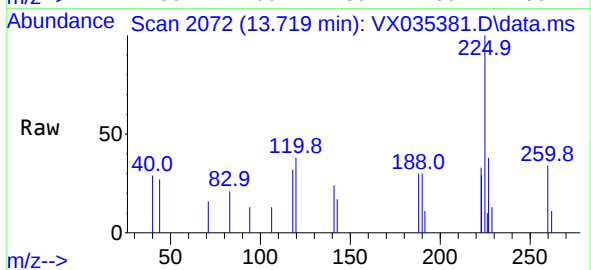
Tgt Ion: 75 Resp: 80766  
Ion Ratio Lower Upper  
75 100  
53 0.0 82.6 124.0#  
89 0.0 36.9 55.3#





#94  
 Hexachlorobutadiene  
 Concen: 0.426 ug/l  
 RT: 13.719 min Scan# 20  
 Delta R.T. -0.006 min  
 Lab File: VX035381.D  
 Acq: 28 Apr 2023 11:21

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0428WBL01



Tgt Ion: 225 Resp: 637

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 225 | 100   |       |       |
| 223 | 54.5  | 32.1  | 96.5  |
| 227 | 48.8  | 31.8  | 95.4  |

