

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011224\  
 Data File : VX039733.D  
 Acq On : 12 Jan 2024 13:44  
 Operator : JC/MD  
 Sample : P1129-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jan 12 22:38:01 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 11 03:51:26 2024  
 Response via : Initial Calibration

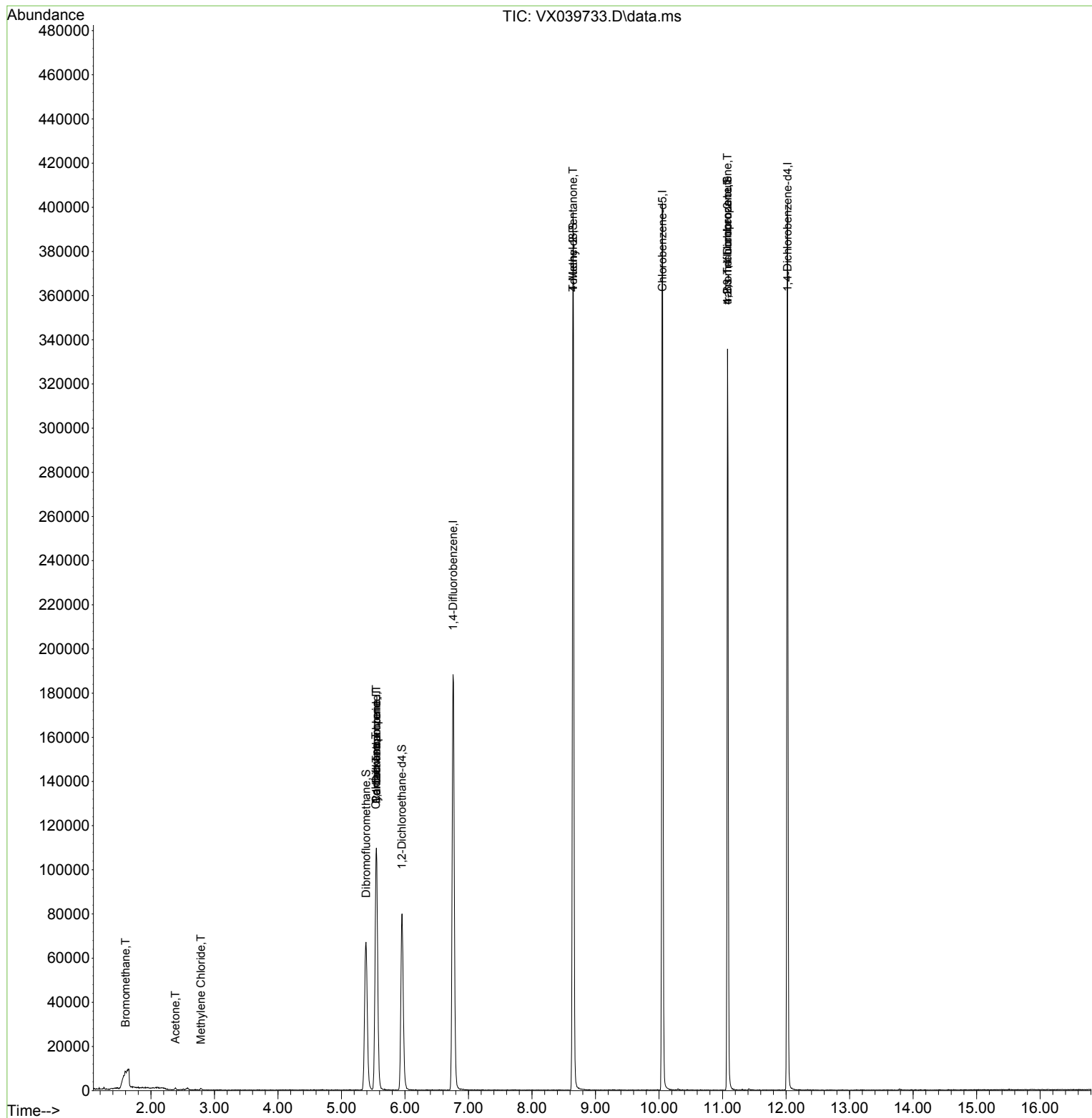
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 100000   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 188792   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 184329   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 80442    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 75576    | 45.116    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 90.240%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 60078    | 47.246    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 94.500%  |
| 50) Toluene-d8                | 8.647  | 98    | 231376   | 48.245    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 96.480%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 91078    | 48.564    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 97.120%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 1.599  | 94    | 271      | 0.341     | ug/l # | 58       |
| 13) Acrolein                  | 2.221  | 56    | 20       | Below Cal | #      | 14       |
| 16) Acetone                   | 2.386  | 43    | 828      | 0.879     | ug/l # | 89       |
| 20) Methylene Chloride        | 2.788  | 84    | 363      | 0.255     | ug/l # | 36       |
| 31) Cyclohexane               | 5.544  | 56    | 2404     | 1.087     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 9091     | 4.593     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 10154    | 5.601     | ug/l # | 14       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 1166     | 0.437     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 48112    | 23.069    | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 48112    | 66.594    | ug/l # | 5        |
| -----                         |        |       |          |           |        |          |

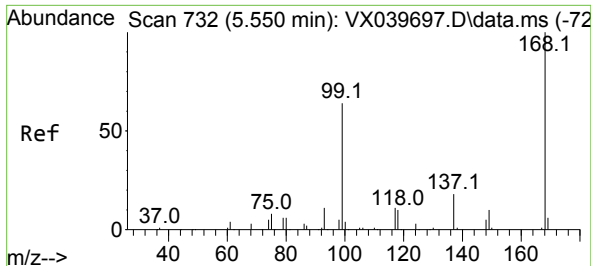
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011224\  
Data File : VX039733.D  
Acq On : 12 Jan 2024 13:44  
Operator : JC/MD  
Sample : P1129-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

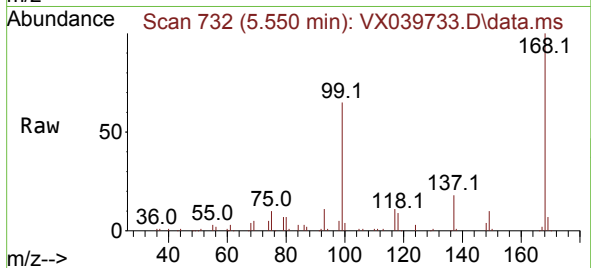
Quant Time: Jan 12 22:38:01 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 11 03:51:26 2024  
Response via : Initial Calibration



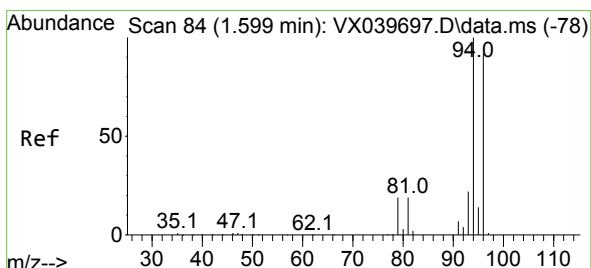
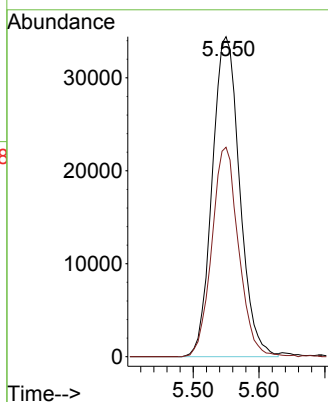
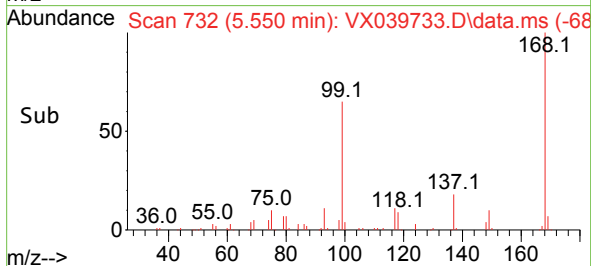


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX039733.D  
Acq: 12 Jan 2024 13:44

Instrument :  
MSVOA\_X  
ClientSampleId :

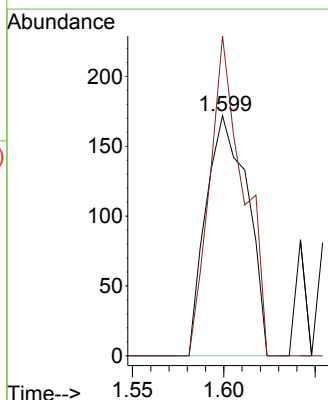
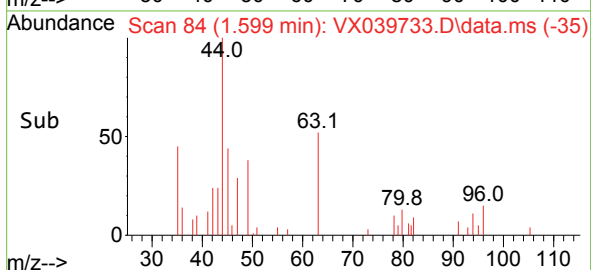
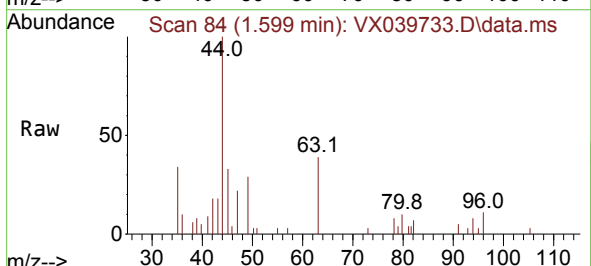


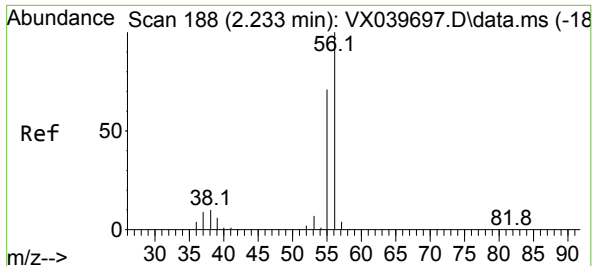
Tgt Ion:168 Resp: 100000  
Ion Ratio Lower Upper  
168 100  
99 65.5 56.6 85.0



#5  
Bromomethane  
Concen: 0.341 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.000 min  
Lab File: VX039733.D  
Acq: 12 Jan 2024 13:44

Tgt Ion: 94 Resp: 271  
Ion Ratio Lower Upper  
94 100  
96 133.1 74.6 111.8#





#13

Acrolein

Concen: Below Cal

RT: 2.221 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX039733.D

Acq: 12 Jan 2024 13:44

Instrument :

MSVOA\_X

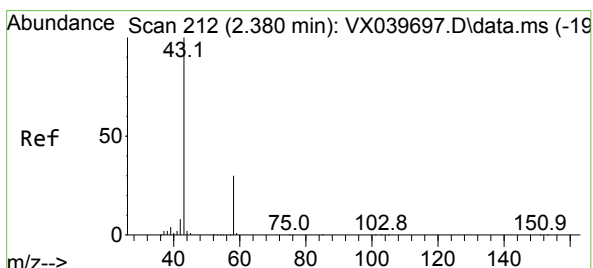
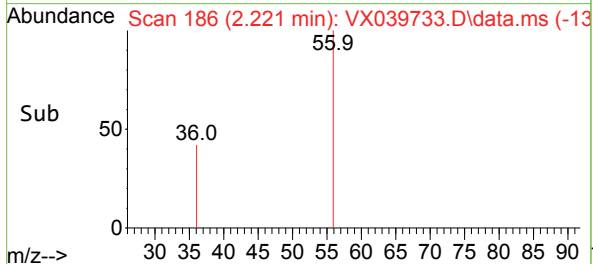
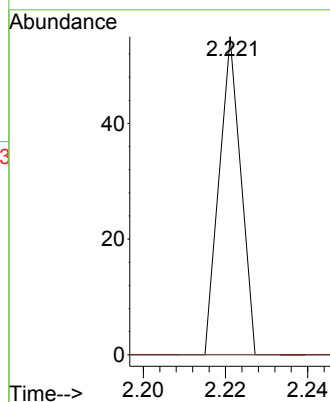
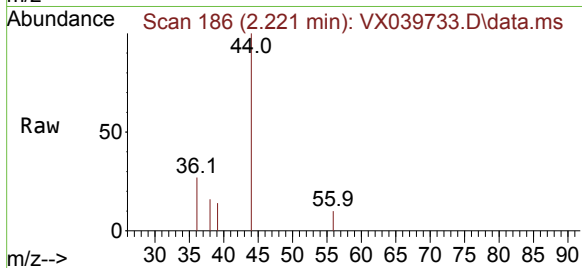
ClientSampleId :

Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



#16

Acetone

Concen: 0.879 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX039733.D

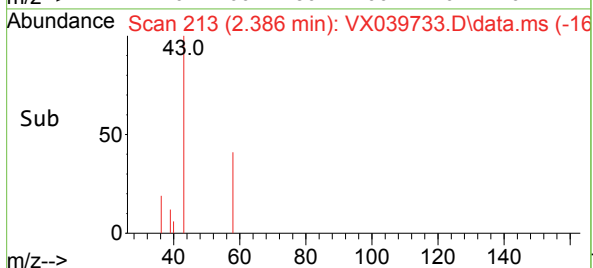
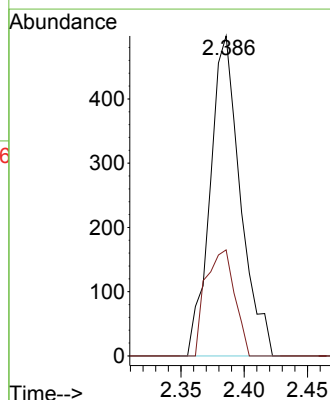
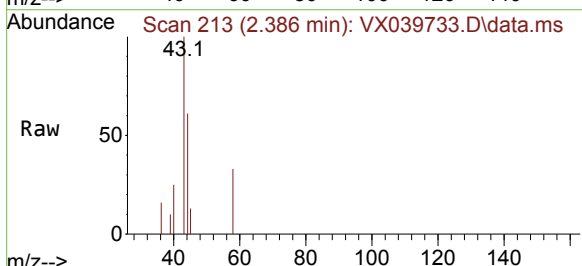
Acq: 12 Jan 2024 13:44

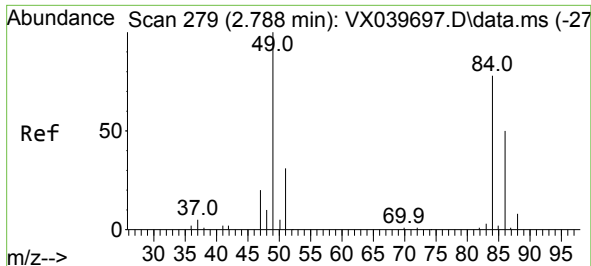
Tgt Ion: 43 Resp: 828

Ion Ratio Lower Upper

43 100

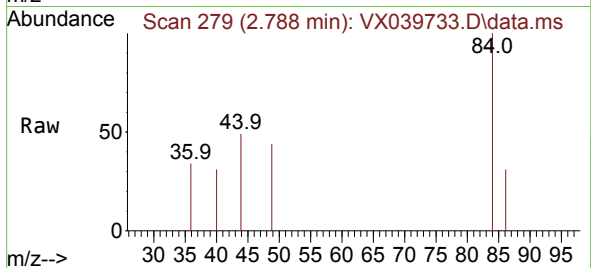
58 33.1 21.9 32.9#





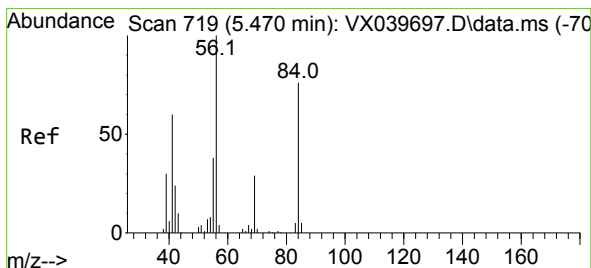
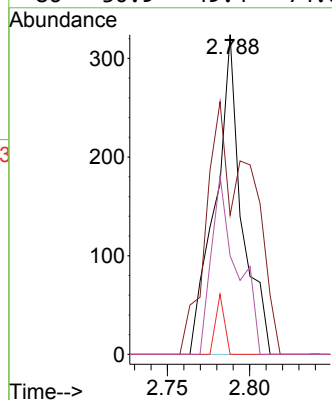
#20  
Methylene Chloride  
Concen: 0.255 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX039733.D  
Acq: 12 Jan 2024 13:44

Instrument :  
MSVOA\_X  
ClientSampleId :



Tgt Ion: 84 Resp: 363

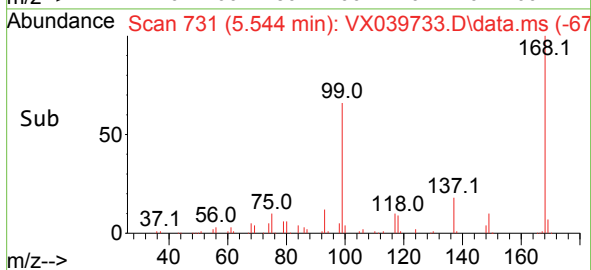
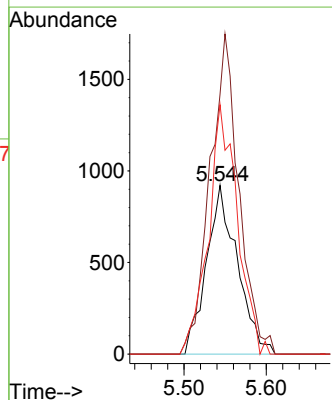
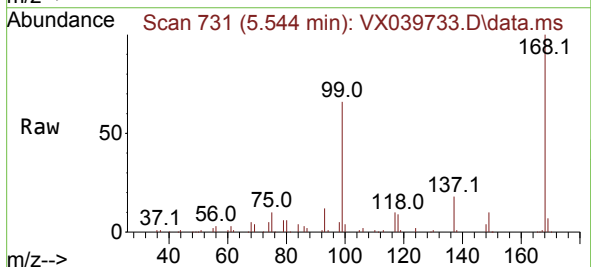
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 43.5  | 103.6 | 155.4# |
| 51  | 0.0   | 33.8  | 50.6#  |
| 86  | 30.9  | 49.4  | 74.0#  |

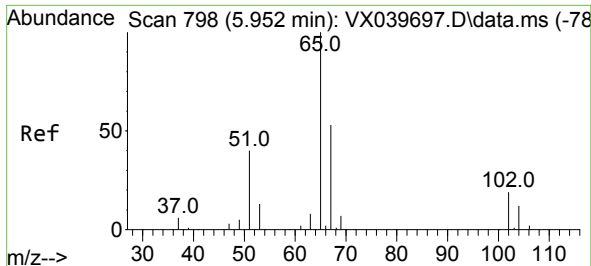


#31  
Cyclohexane  
Concen: 1.087 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. 0.073 min  
Lab File: VX039733.D  
Acq: 12 Jan 2024 13:44

Tgt Ion: 56 Resp: 2404

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 154.1 | 23.4  | 35.2# |
| 84  | 147.9 | 65.9  | 98.9# |

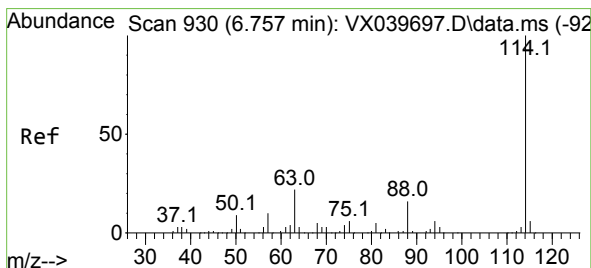
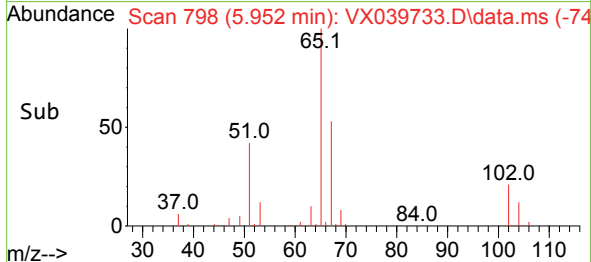
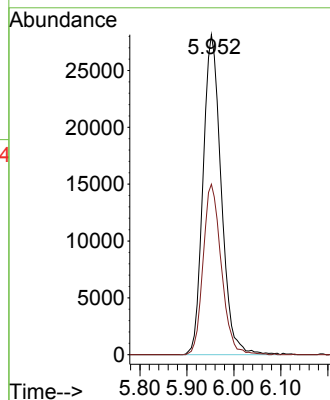
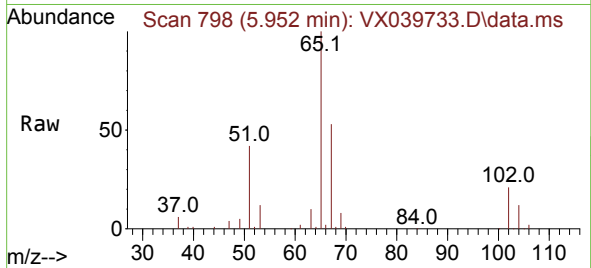




#33  
1,2-Dichloroethane-d4  
Concen: 45.116 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.000 min  
Lab File: VX039733.D  
Acq: 12 Jan 2024 13:44

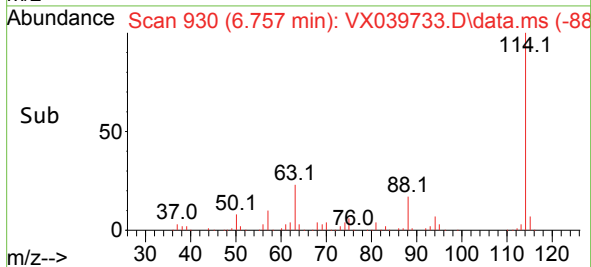
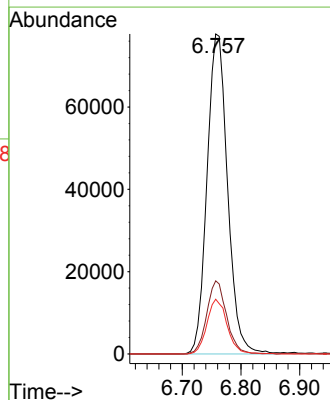
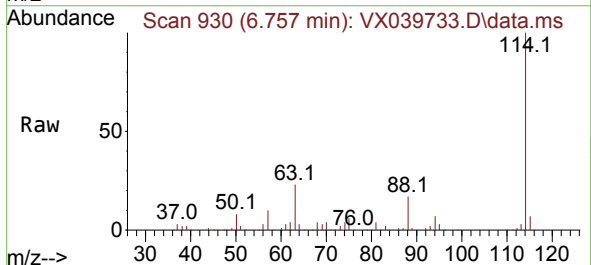
Instrument :  
MSVOA\_X  
ClientSampleId :

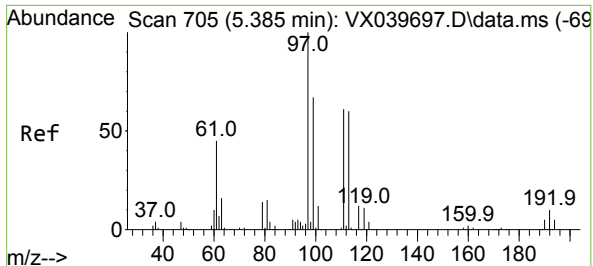
Tgt Ion: 65 Resp: 75576  
Ion Ratio Lower Upper  
65 100  
67 53.3 0.0 100.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. 0.000 min  
Lab File: VX039733.D  
Acq: 12 Jan 2024 13:44

Tgt Ion: 114 Resp: 188792  
Ion Ratio Lower Upper  
114 100  
63 22.9 0.0 45.0  
88 17.1 0.0 36.6





#35

Dibromofluoromethane

Concen: 47.246 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

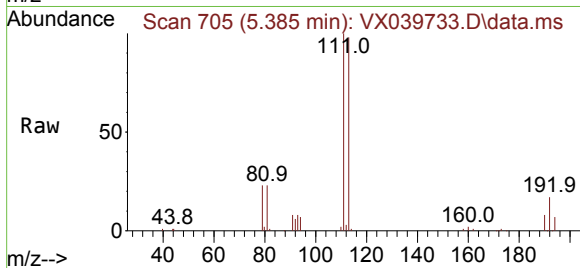
Lab File: VX039733.D

Acq: 12 Jan 2024 13:44

Instrument :

MSVOA\_X

ClientSampleId :



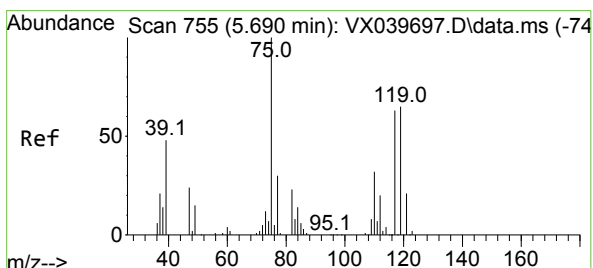
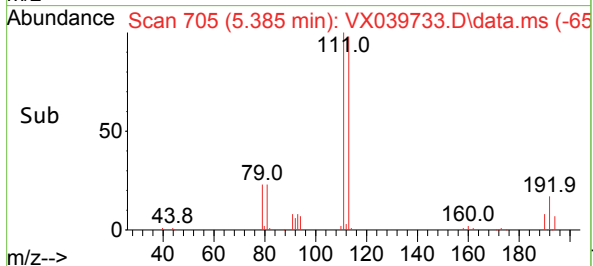
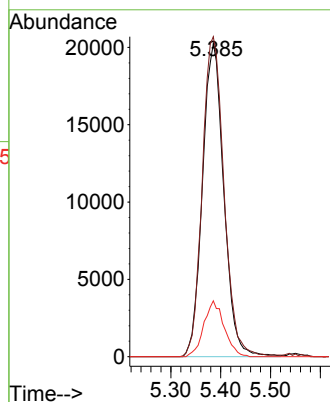
Tgt Ion:113 Resp: 60078

Ion Ratio Lower Upper

113 100

111 104.0 82.9 124.3

192 17.1 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.593 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX039733.D

Acq: 12 Jan 2024 13:44

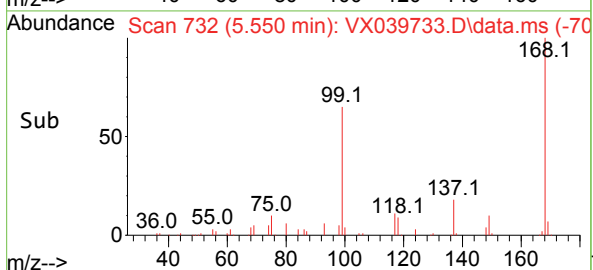
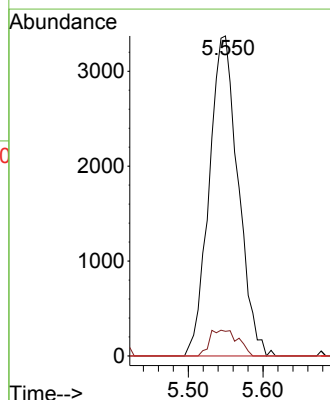
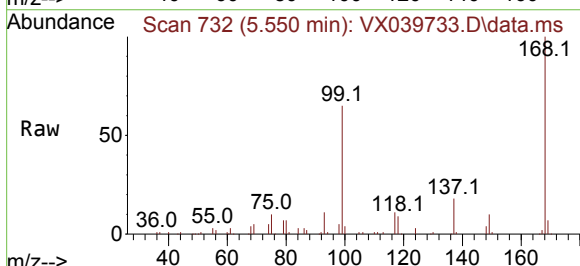
Tgt Ion: 75 Resp: 9091

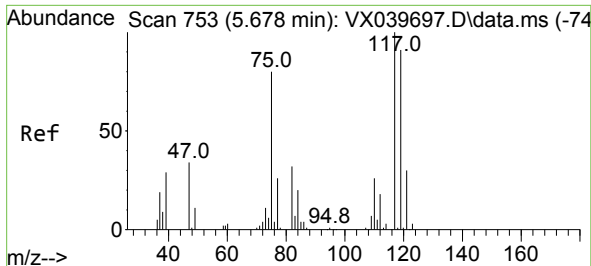
Ion Ratio Lower Upper

75 100

110 7.9 17.0 50.9#

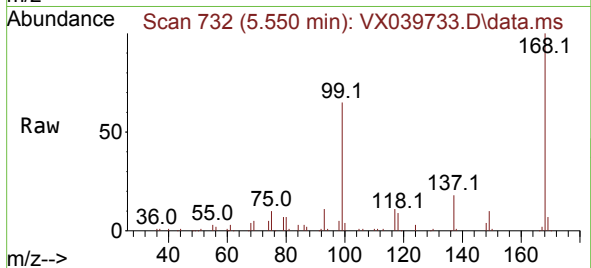
77 0.0 24.7 37.1#



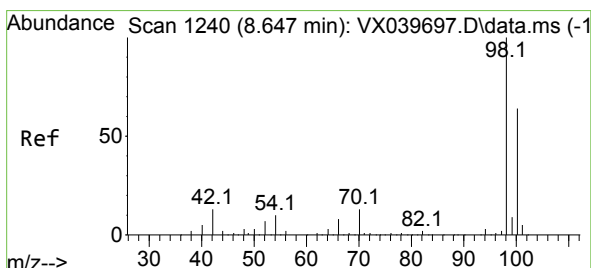
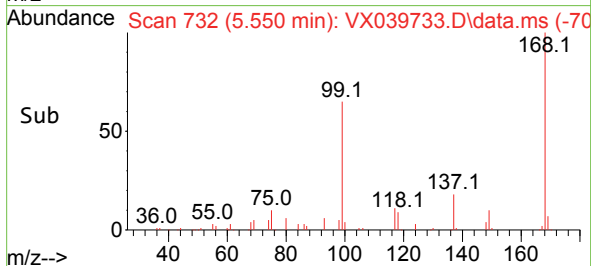
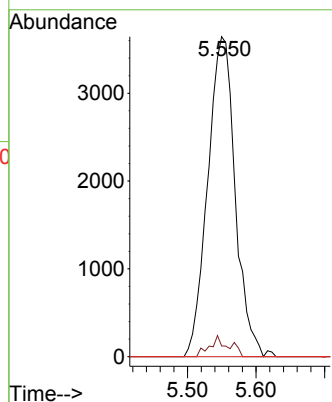


#38  
Carbon Tetrachloride  
Concen: 5.601 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX039733.D  
Acq: 12 Jan 2024 13:44

Instrument :  
MSVOA\_X  
ClientSampleId :

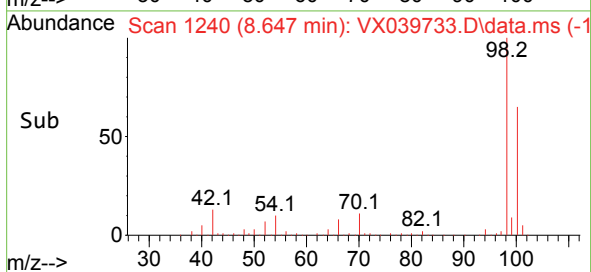
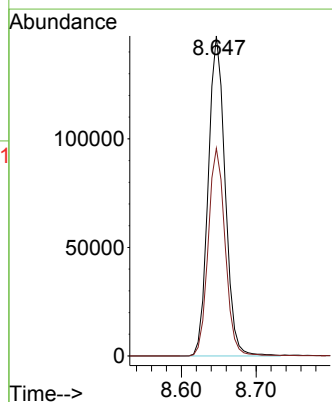
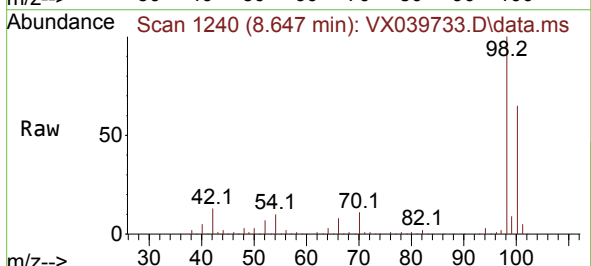


Tgt Ion:117 Resp: 10154  
Ion Ratio Lower Upper  
117 100  
119 3.4 78.2 117.2#  
121 0.0 24.4 36.6#

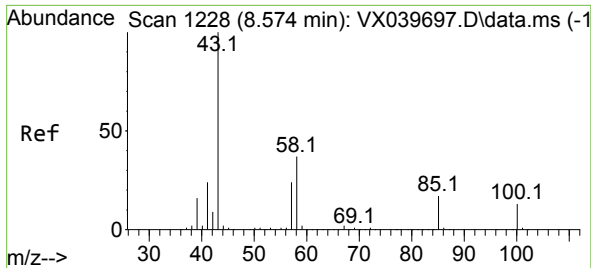


#50  
Toluene-d8  
Concen: 48.245 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX039733.D  
Acq: 12 Jan 2024 13:44

Tgt Ion: 98 Resp: 231376  
Ion Ratio Lower Upper  
98 100  
100 65.1 53.1 79.7







#51

4-Methyl-2-Pentanone

Concen: 0.437 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX039733.D

Acq: 12 Jan 2024 13:44

Instrument :

MSVOA\_X

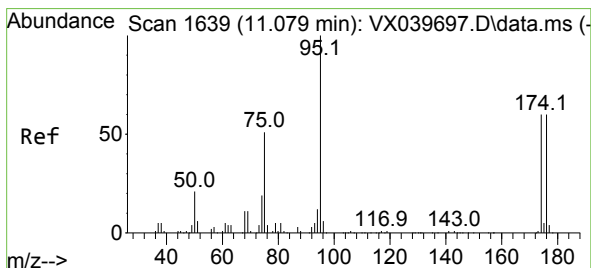
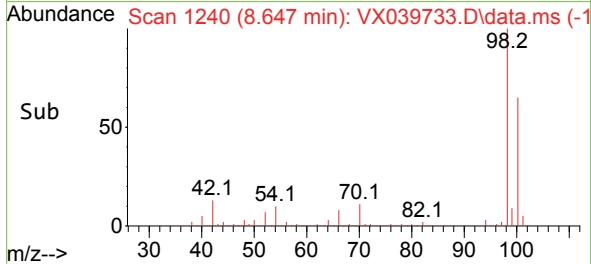
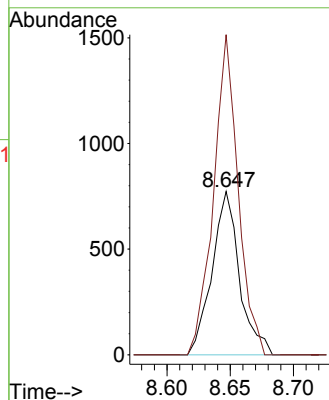
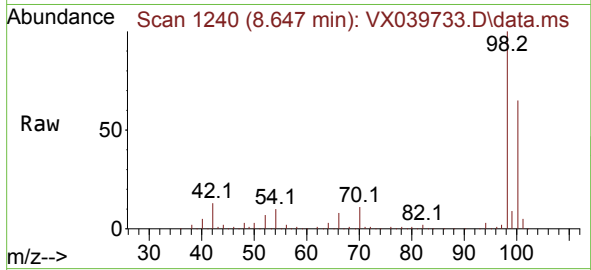
ClientSampleId :

Tgt Ion: 43 Resp: 1166

Ion Ratio Lower Upper

43 100

58 175.7 30.4 45.6#



#62

4-Bromofluorobenzene

Concen: 48.564 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX039733.D

Acq: 12 Jan 2024 13:44

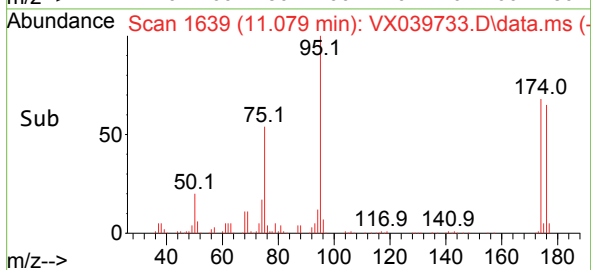
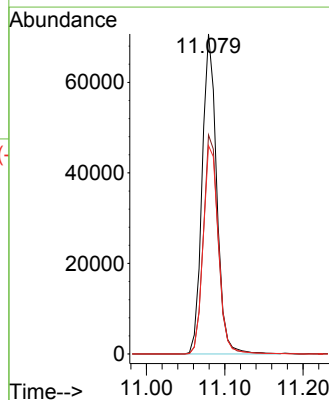
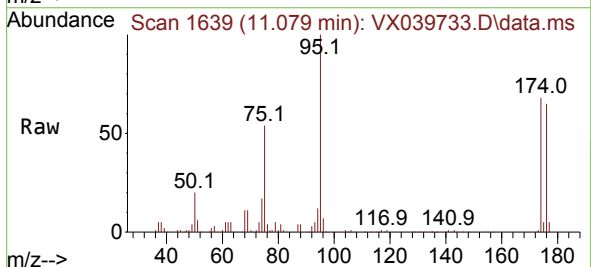
Tgt Ion: 95 Resp: 91078

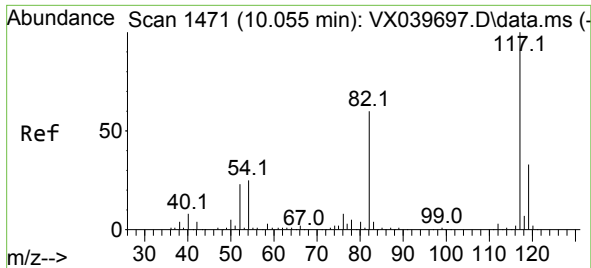
Ion Ratio Lower Upper

95 100

174 69.7 0.0 135.6

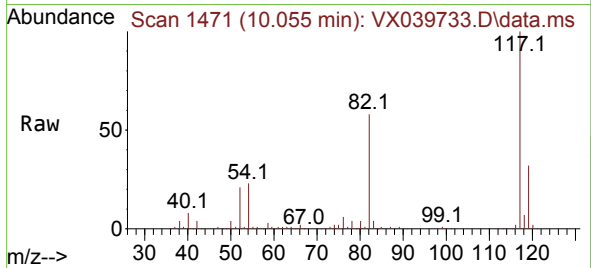
176 68.4 0.0 131.0



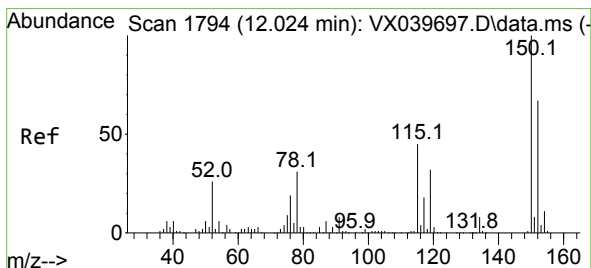
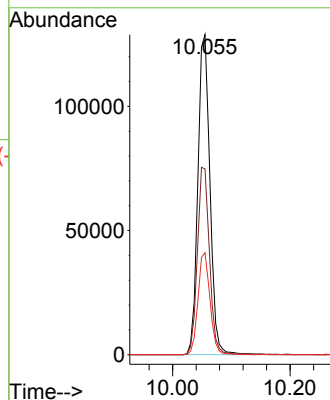
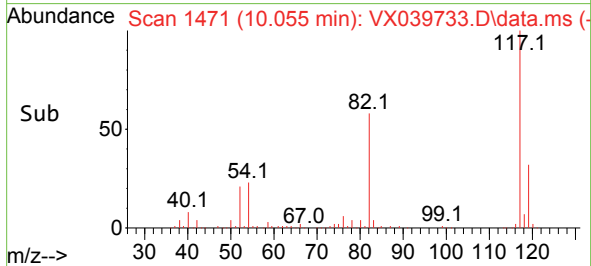


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX039733.D  
Acq: 12 Jan 2024 13:44

Instrument :  
MSVOA\_X  
ClientSampleId :

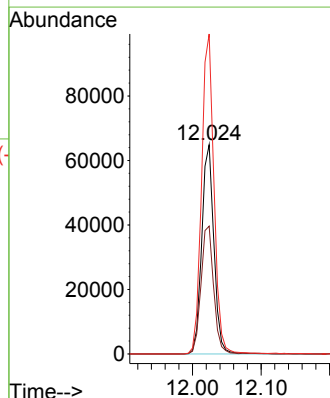
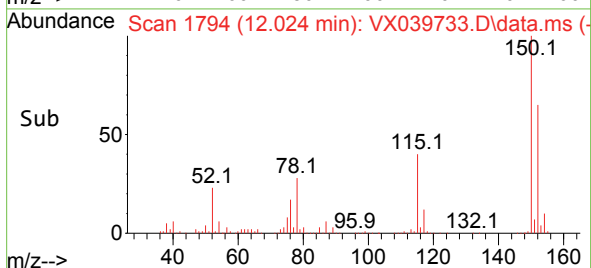
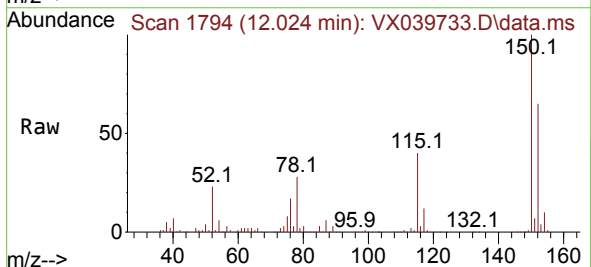


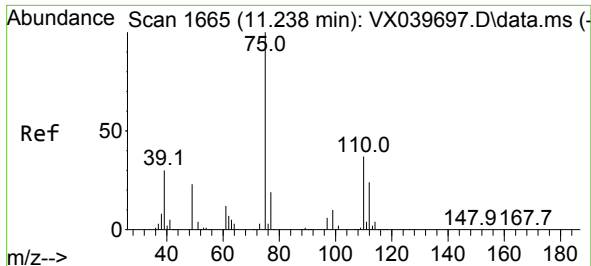
Tgt Ion:117 Resp: 184329  
Ion Ratio Lower Upper  
117 100  
82 58.1 46.2 69.4  
119 31.8 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX039733.D  
Acq: 12 Jan 2024 13:44

Tgt Ion:152 Resp: 80442  
Ion Ratio Lower Upper  
152 100  
115 63.8 43.3 129.9  
150 155.6 0.0 345.0

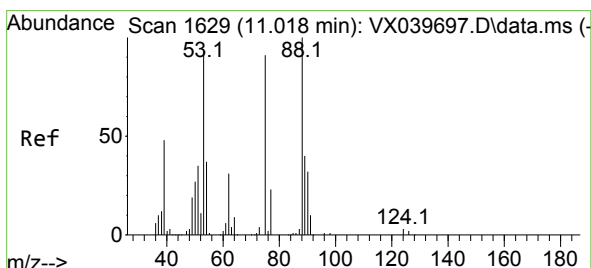
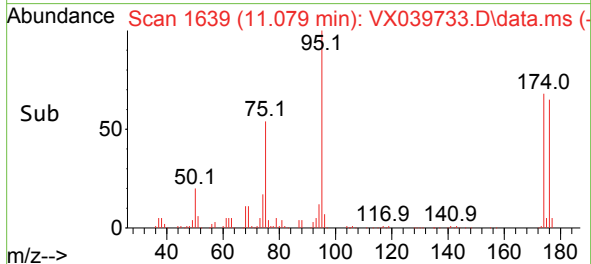
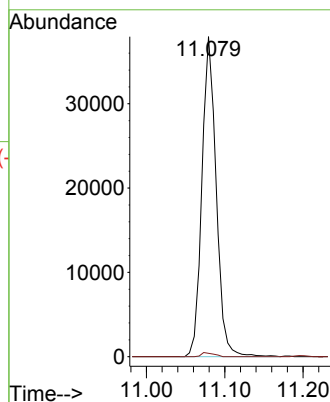
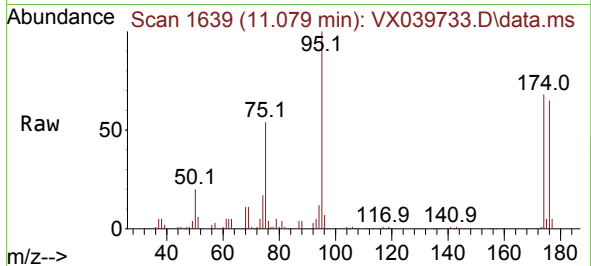




#76  
1,2,3-Trichloropropane  
Concen: 23.069 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX039733.D  
Acq: 12 Jan 2024 13:44

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 75 Resp: 48112  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 66.594 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX039733.D  
Acq: 12 Jan 2024 13:44

Tgt Ion: 75 Resp: 48112  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#

