

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011524\  
 Data File : VX039753.D  
 Acq On : 15 Jan 2024 14:26  
 Operator : JC/MD  
 Sample : P1145-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jan 16 01:40:50 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

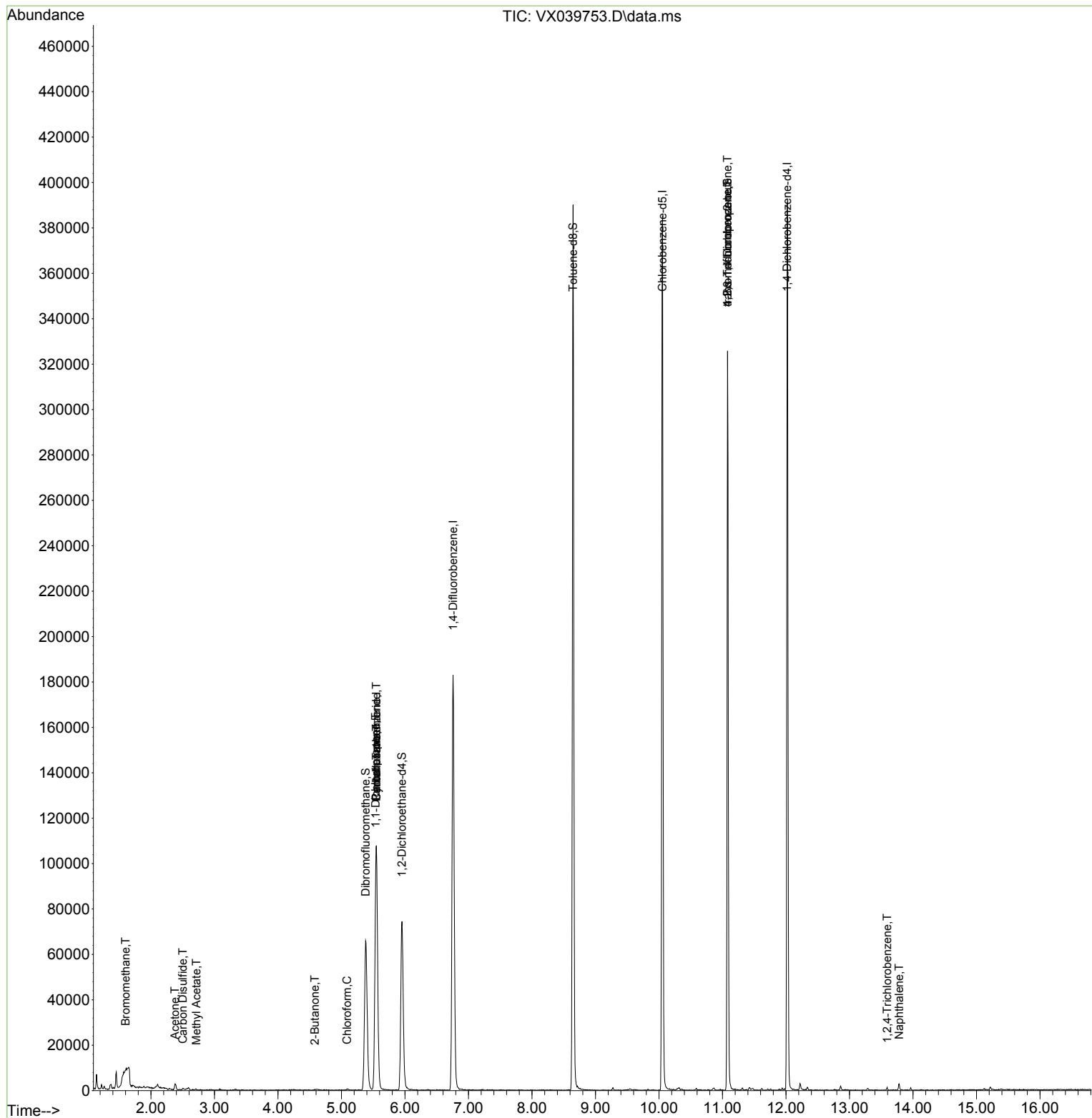
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 99826    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 181295   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 174580   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 75970    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 73054    | 43.687    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 87.380%  |
| 35) Dibromofluoromethane      | 5.379  | 113   | 57794    | 47.329    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 94.660%  |
| 50) Toluene-d8                | 8.647  | 98    | 223320   | 48.490    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 96.980%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 85819    | 47.652    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 95.300%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 1.599  | 94    | 463      | 0.583     | ug/l # | 79       |
| 13) Acrolein                  | 2.246  | 56    | 150      | Below Cal | #      | 70       |
| 16) Acetone                   | 2.380  | 43    | 2675     | 2.844     | ug/l # | 83       |
| 17) Carbon Disulfide          | 2.502  | 76    | 872      | 0.253     | ug/l # | 76       |
| 18) Methyl Acetate            | 2.715  | 43    | 408      | 0.207     | ug/l   | 91       |
| 25) 2-Butanone                | 4.581  | 43    | 272      | 0.201     | ug/l # | 51       |
| 30) Chloroform                | 5.087  | 83    | 590      | 0.241     | ug/l   | 94       |
| 31) Cyclohexane               | 5.550  | 56    | 2785     | 1.262     | ug/l # | 26       |
| 36) 1,1-Dichloropropene       | 5.538  | 75    | 8518     | 4.482     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 11001    | 6.319     | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 46443    | 23.580    | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 46443    | 67.899    | ug/l # | 5        |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180   | 388      | 0.249     | ug/l # | 64       |
| 95) Naphthalene               | 13.780 | 128   | 2268     | 0.395     | ug/l   | 97       |
| -----                         |        |       |          |           |        |          |

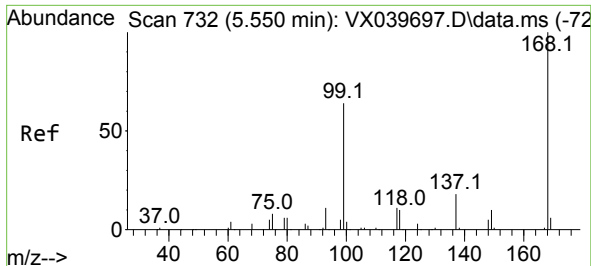
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011524\  
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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Jan 16 01:40:50 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



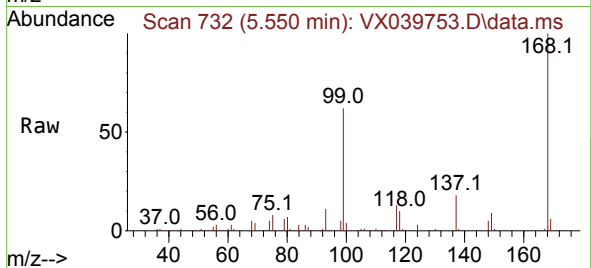


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX039753.D  
Acq: 15 Jan 2024 14:26

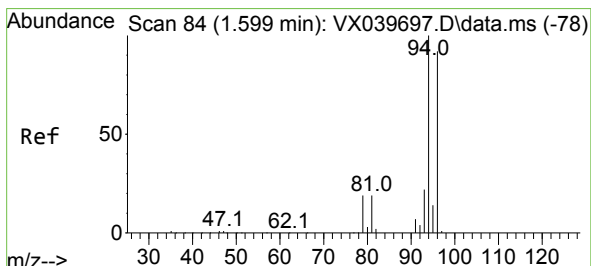
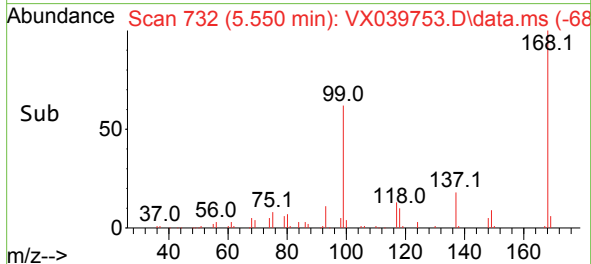
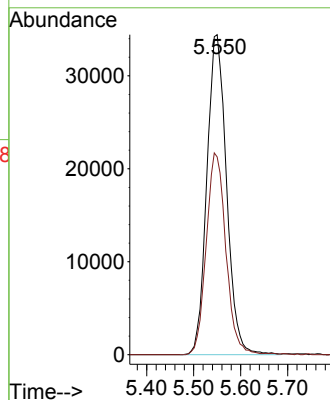
Instrument :

MSVOA\_X

ClientSampleId :

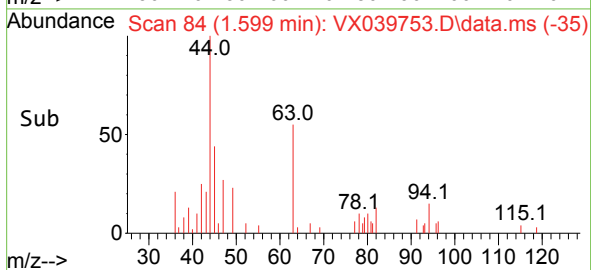
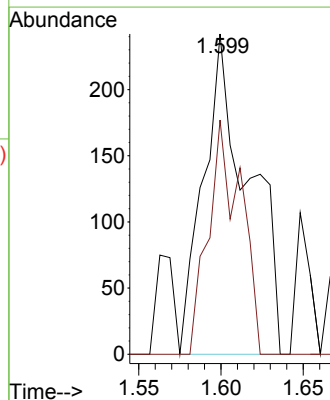
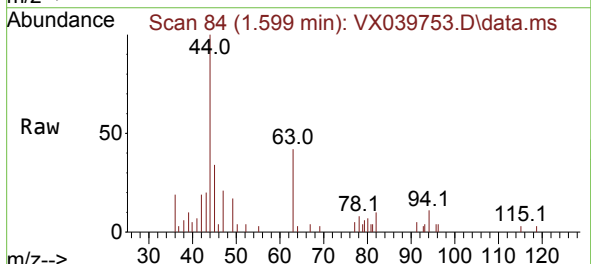


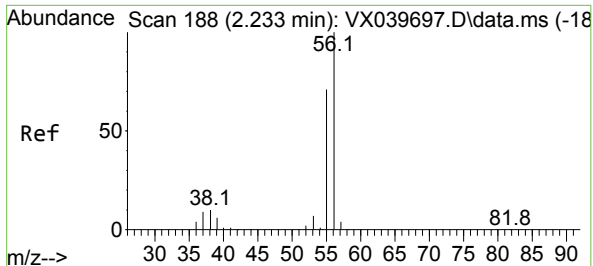
Tgt Ion:168 Resp: 99826  
Ion Ratio Lower Upper  
168 100  
99 61.8 56.6 85.0



#5  
Bromomethane  
Concen: 0.583 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.000 min  
Lab File: VX039753.D  
Acq: 15 Jan 2024 14:26

Tgt Ion: 94 Resp: 463  
Ion Ratio Lower Upper  
94 100  
96 73.1 74.6 111.8#

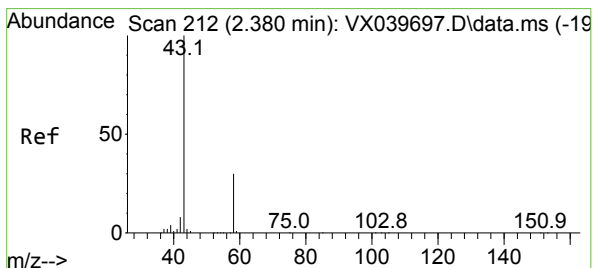
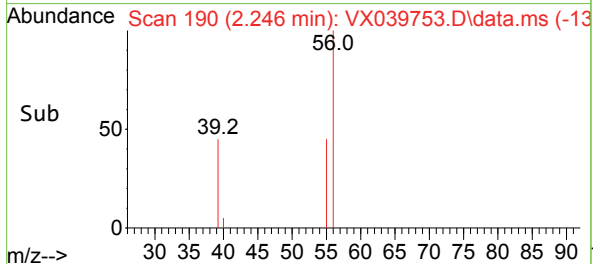
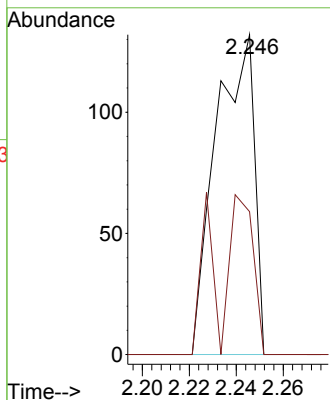
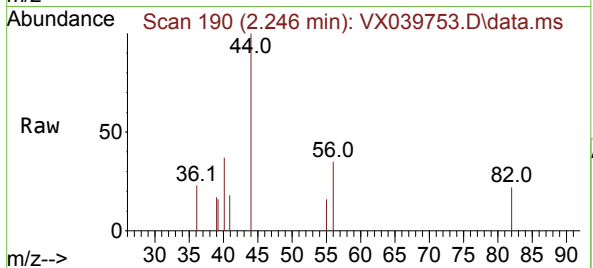




#13  
Acrolein  
Concen: Below Cal  
RT: 2.246 min Scan# 190  
Delta R.T. 0.013 min  
Lab File: VX039753.D  
Acq: 15 Jan 2024 14:26

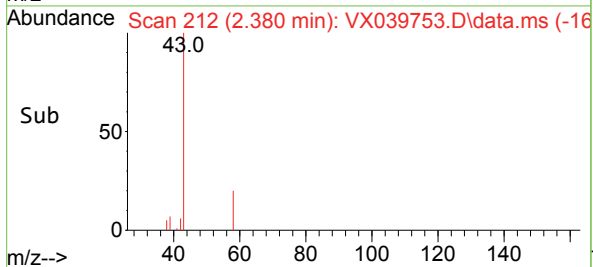
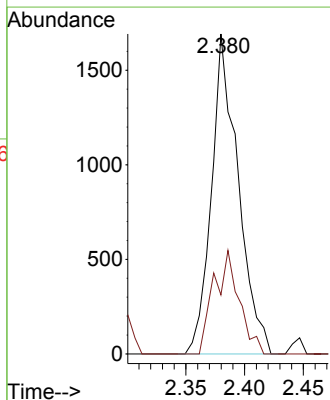
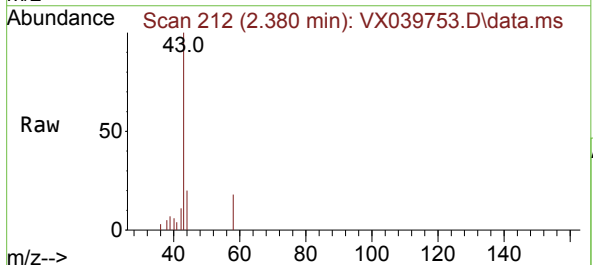
Instrument :  
MSVOA\_X  
ClientSampleId :

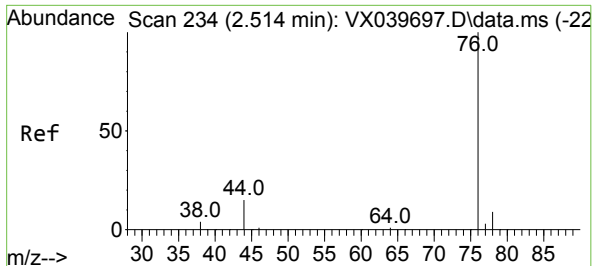
Tgt Ion: 56 Resp: 150  
Ion Ratio Lower Upper  
56 100  
55 46.7 57.1 85.7#



#16  
Acetone  
Concen: 2.844 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. 0.000 min  
Lab File: VX039753.D  
Acq: 15 Jan 2024 14:26

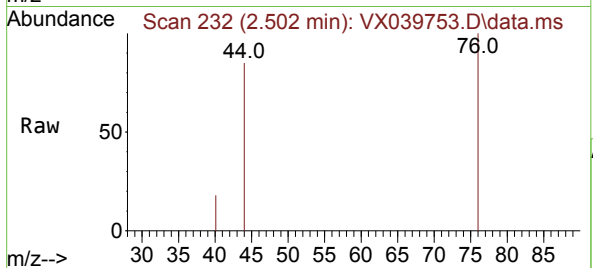
Tgt Ion: 43 Resp: 2675  
Ion Ratio Lower Upper  
43 100  
58 18.4 21.9 32.9#



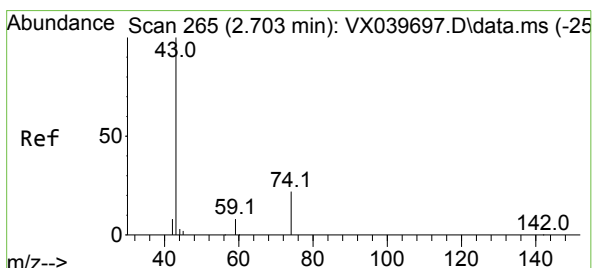
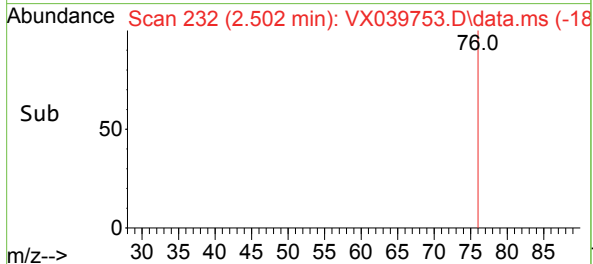
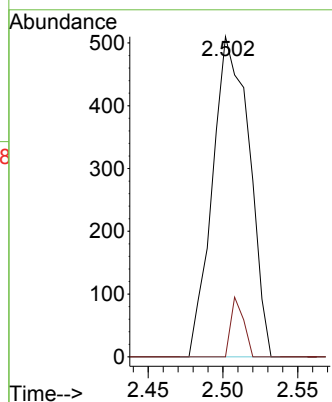


#17  
Carbon Disulfide  
Concen: 0.253 ug/l  
RT: 2.502 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: VX039753.D  
Acq: 15 Jan 2024 14:26

Instrument :  
MSVOA\_X  
ClientSampleId :

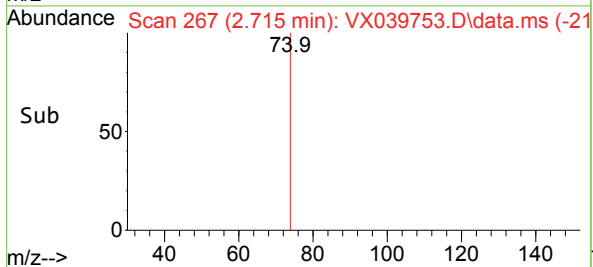
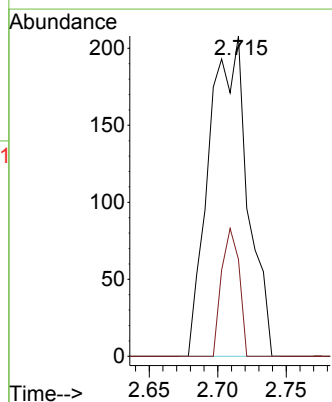
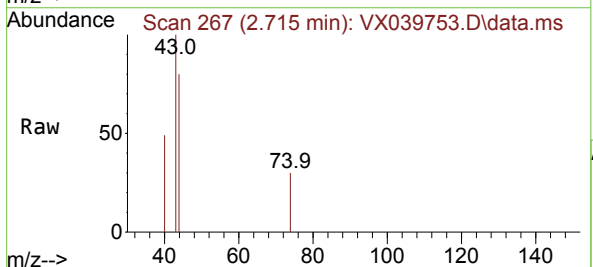


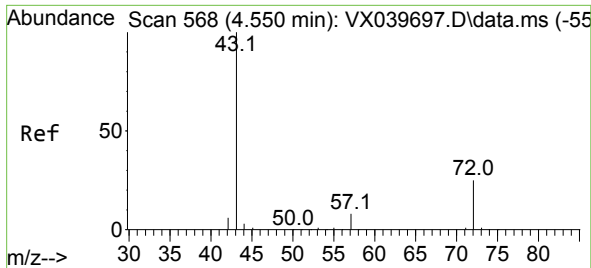
Tgt Ion: 76 Resp: 872  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.0 10.6#



#18  
Methyl Acetate  
Concen: 0.207 ug/l  
RT: 2.715 min Scan# 267  
Delta R.T. 0.012 min  
Lab File: VX039753.D  
Acq: 15 Jan 2024 14:26

Tgt Ion: 43 Resp: 408  
Ion Ratio Lower Upper  
43 100  
74 18.1 17.8 26.8

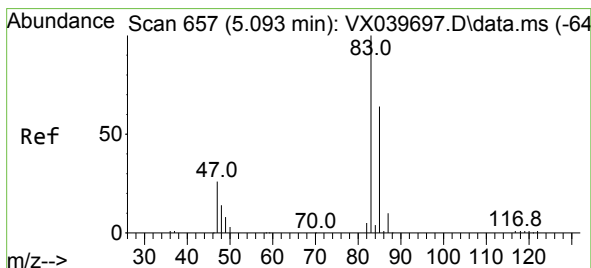
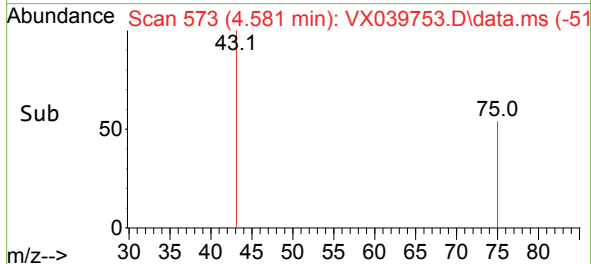
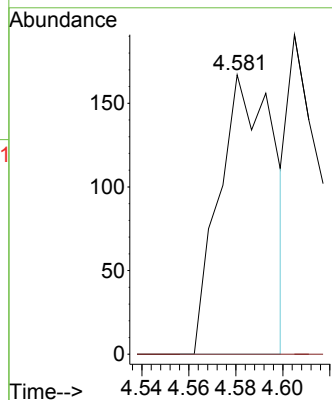
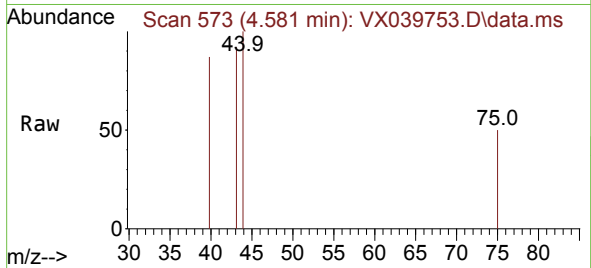




#25  
2-Butanone  
Concen: 0.201 ug/l  
RT: 4.581 min Scan# 51  
Delta R.T. 0.031 min  
Lab File: VX039753.D  
Acq: 15 Jan 2024 14:26

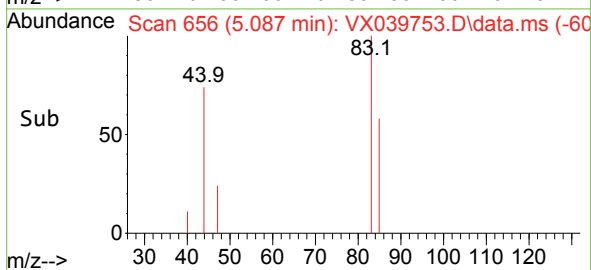
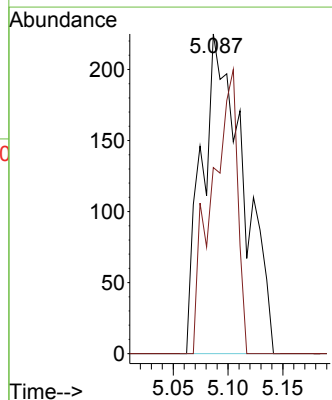
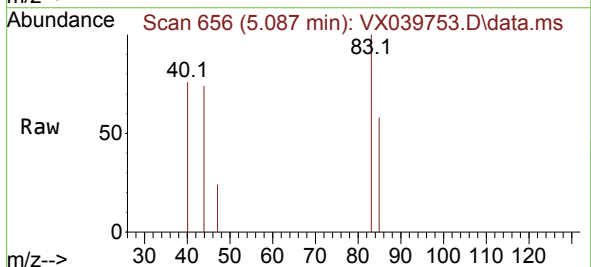
Instrument :  
MSVOA\_X  
ClientSampleId :

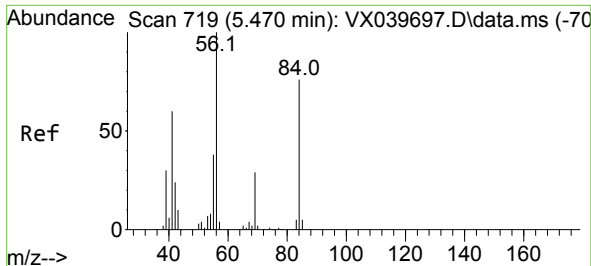
Tgt Ion: 43 Resp: 272  
Ion Ratio Lower Upper  
43 100  
72 0.0 19.4 29.2#



#30  
Chloroform  
Concen: 0.241 ug/l  
RT: 5.087 min Scan# 656  
Delta R.T. -0.006 min  
Lab File: VX039753.D  
Acq: 15 Jan 2024 14:26

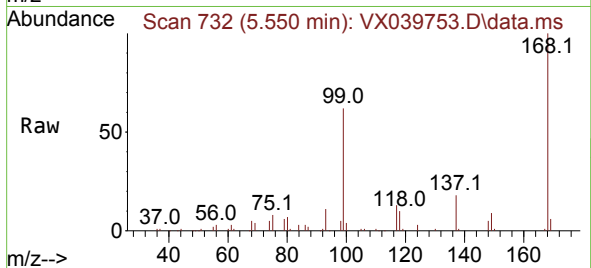
Tgt Ion: 83 Resp: 590  
Ion Ratio Lower Upper  
83 100  
85 58.2 50.3 75.5



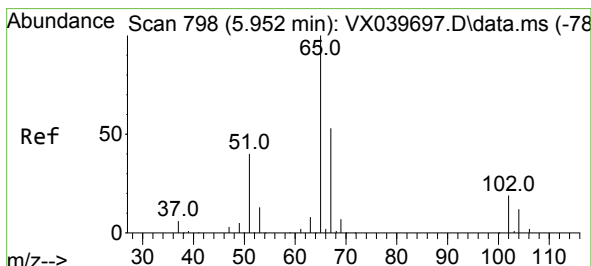
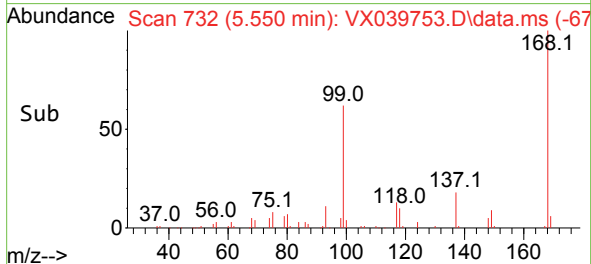
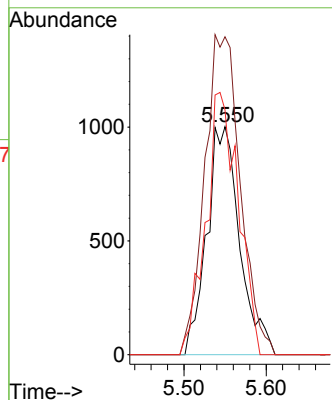


#31  
Cyclohexane  
Concen: 1.262 ug/l  
RT: 5.550 min Scan# 719  
Delta R.T. 0.079 min  
Lab File: VX039753.D  
Acq: 15 Jan 2024 14:26

Instrument :  
MSVOA\_X  
ClientSampleId :

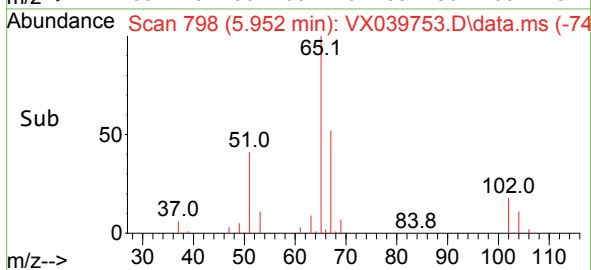
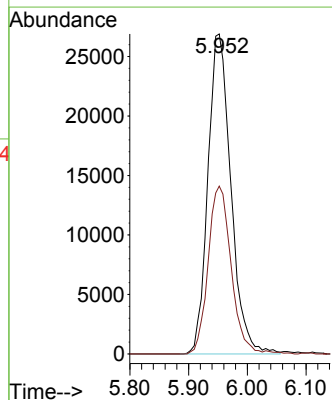
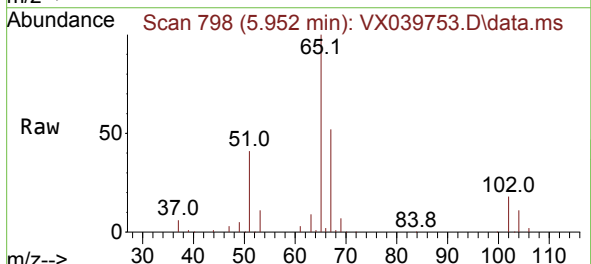


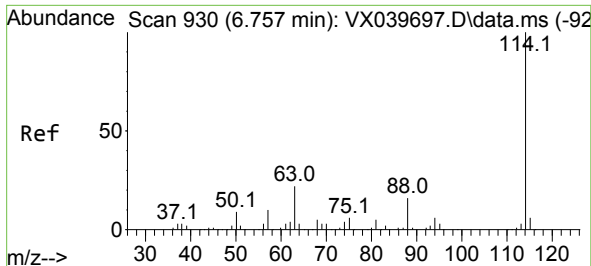
Tgt Ion: 56 Resp: 2785  
Ion Ratio Lower Upper  
56 100  
69 139.4 23.4 35.2#  
84 107.4 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 43.687 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.000 min  
Lab File: VX039753.D  
Acq: 15 Jan 2024 14:26

Tgt Ion: 65 Resp: 73054  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 100.2

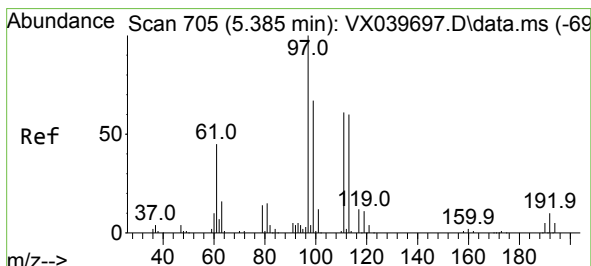
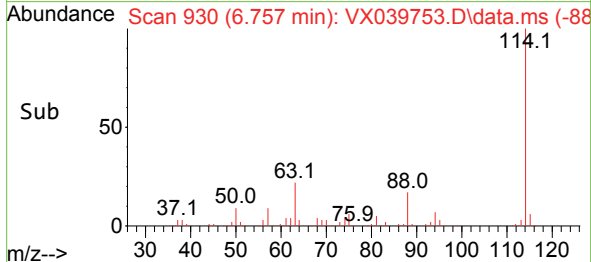
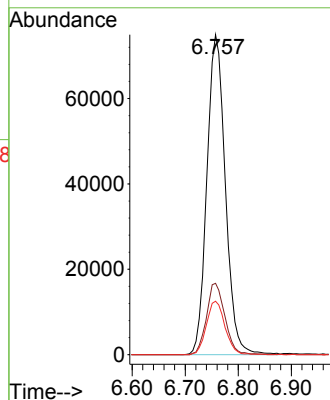
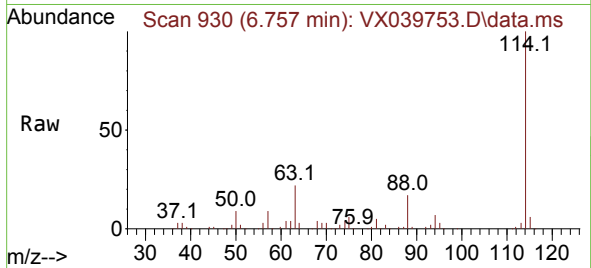




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX039753.D  
Acq: 15 Jan 2024 14:26

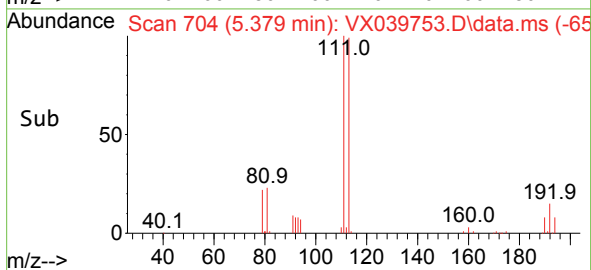
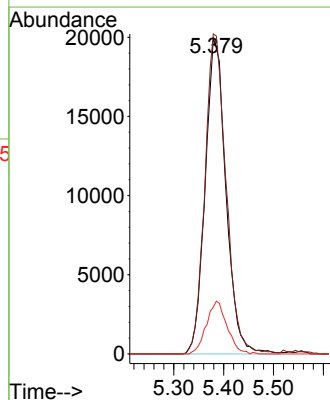
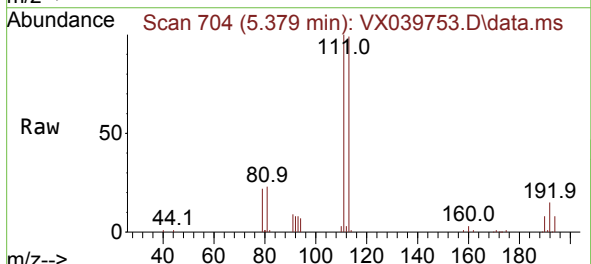
Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion:114 Resp: 181295  
Ion Ratio Lower Upper  
114 100  
63 22.3 0.0 45.0  
88 16.7 0.0 36.6

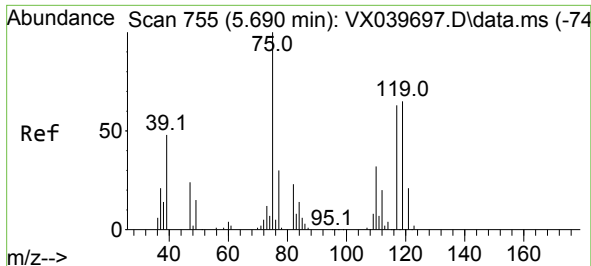


#35  
Dibromofluoromethane  
Concen: 47.329 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VX039753.D  
Acq: 15 Jan 2024 14:26

Tgt Ion:113 Resp: 57794  
Ion Ratio Lower Upper  
113 100  
111 103.3 82.9 124.3  
192 16.6 13.3 19.9

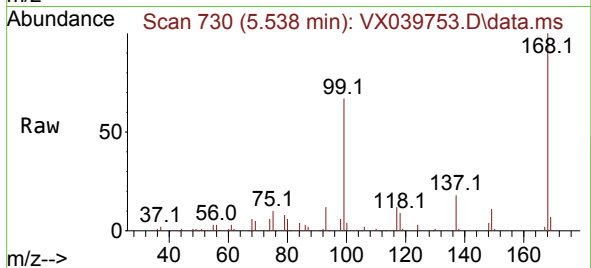




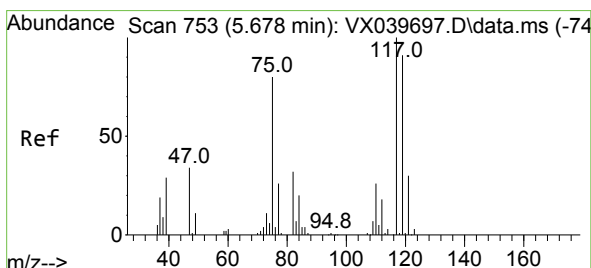
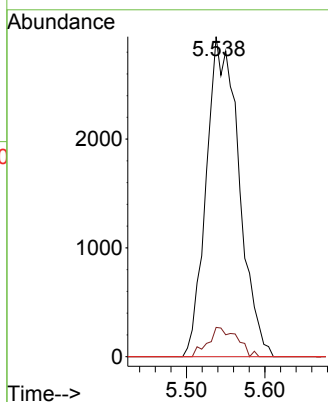
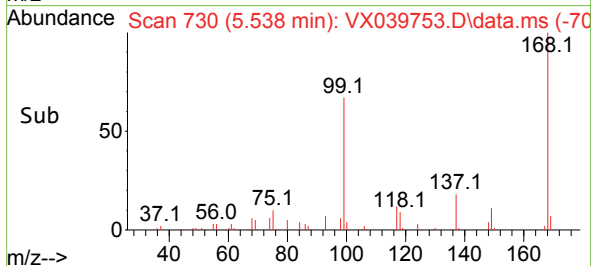


#36  
1,1-Dichloropropene  
Concen: 4.482 ug/l  
RT: 5.538 min Scan# 710  
Delta R.T. -0.152 min  
Lab File: VX039753.D  
Acq: 15 Jan 2024 14:26

Instrument :  
MSVOA\_X  
ClientSampleId :

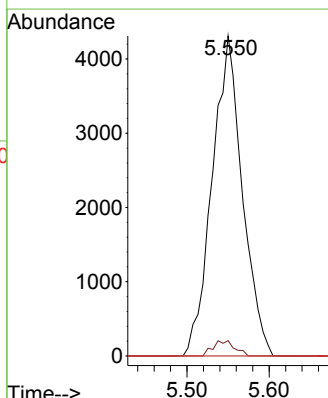
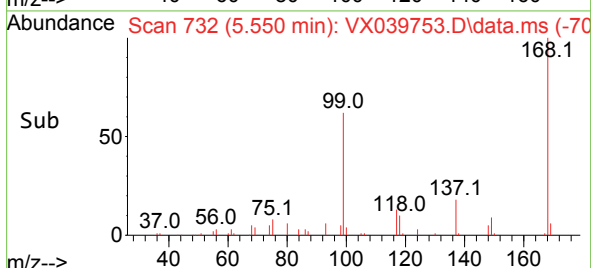
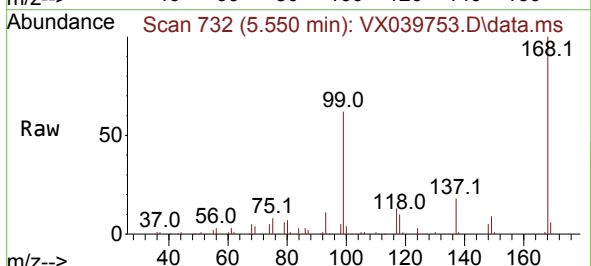


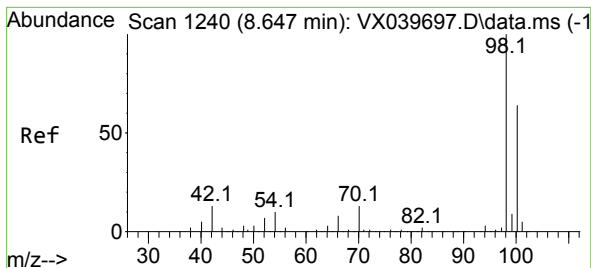
Tgt Ion: 75 Resp: 8518  
Ion Ratio Lower Upper  
75 100  
110 8.1 17.0 50.9#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 6.319 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.128 min  
Lab File: VX039753.D  
Acq: 15 Jan 2024 14:26

Tgt Ion: 117 Resp: 11001  
Ion Ratio Lower Upper  
117 100  
119 4.8 78.2 117.2#  
121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 48.490 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX039753.D

Acq: 15 Jan 2024 14:26

Instrument :

MSVOA\_X

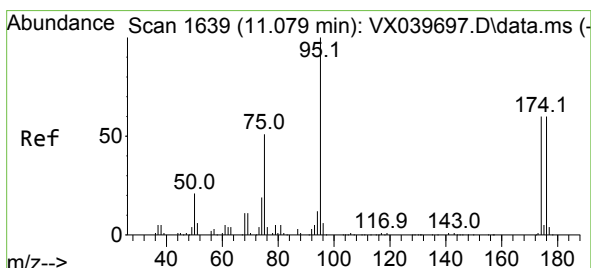
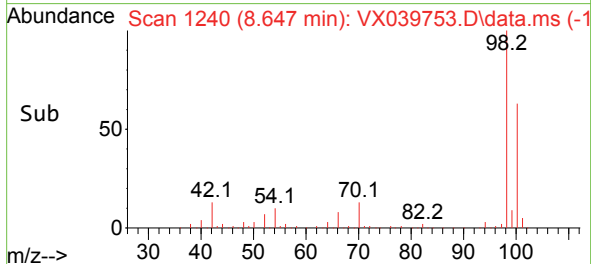
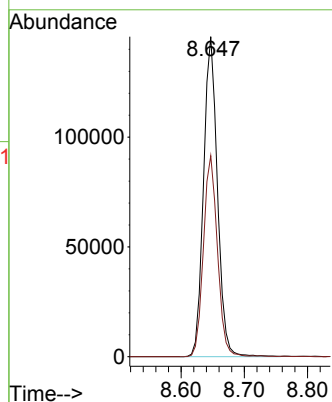
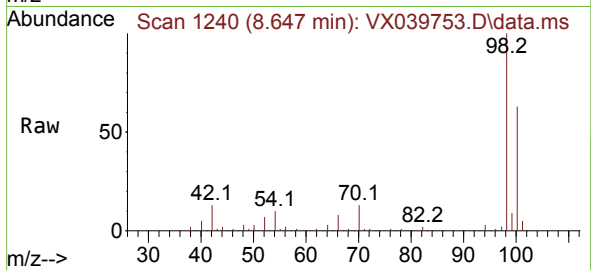
ClientSampleId :

Tgt Ion: 98 Resp: 223320

Ion Ratio Lower Upper

98 100

100 63.2 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 47.652 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX039753.D

Acq: 15 Jan 2024 14:26

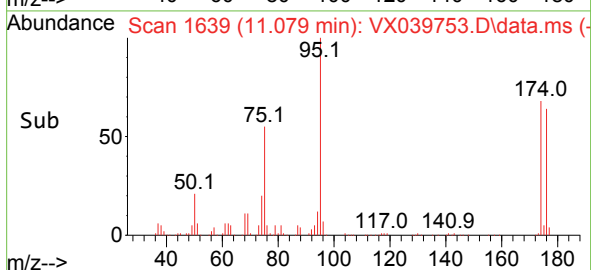
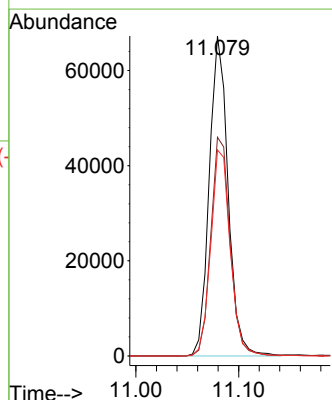
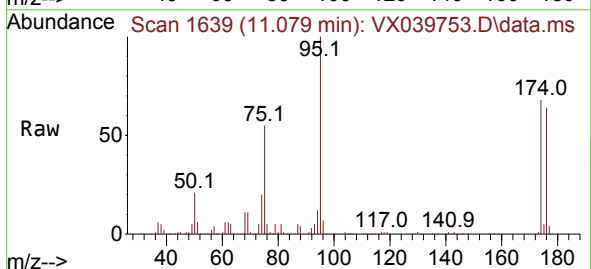
Tgt Ion: 95 Resp: 85819

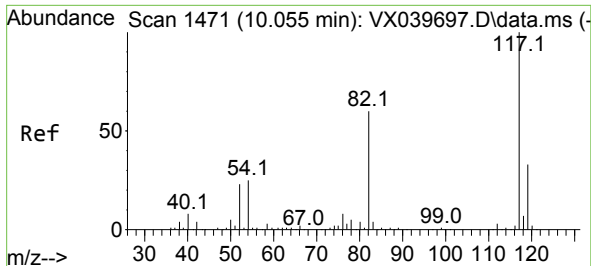
Ion Ratio Lower Upper

95 100

174 70.2 0.0 135.6

176 67.0 0.0 131.0

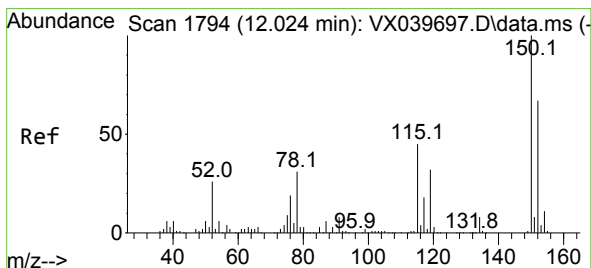
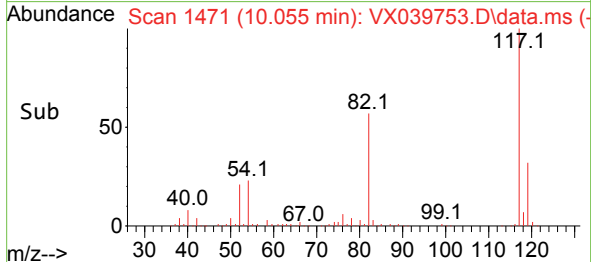
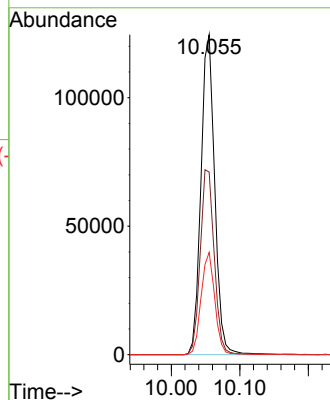
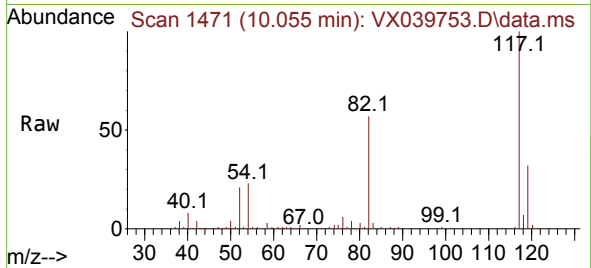




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX039753.D  
Acq: 15 Jan 2024 14:26

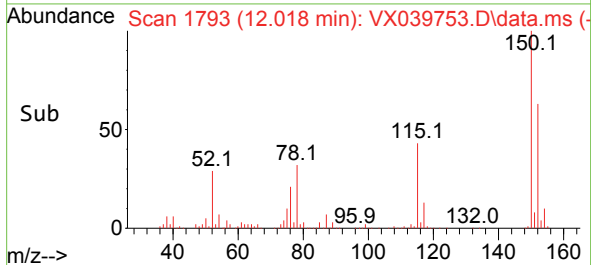
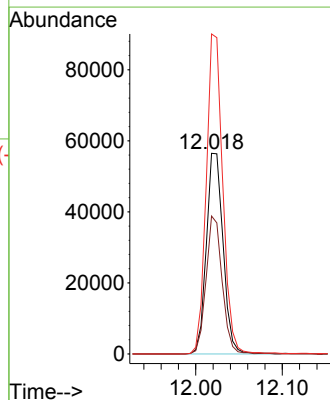
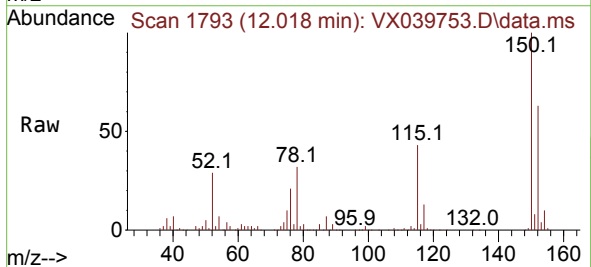
Instrument :  
MSVOA\_X  
ClientSampleId :

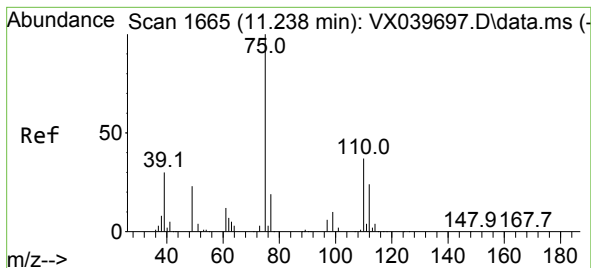
Tgt Ion:117 Resp: 174580  
Ion Ratio Lower Upper  
117 100  
82 57.1 46.2 69.4  
119 32.0 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.006 min  
Lab File: VX039753.D  
Acq: 15 Jan 2024 14:26

Tgt Ion:152 Resp: 75970  
Ion Ratio Lower Upper  
152 100  
115 66.0 43.3 129.9  
150 157.3 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 23.580 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039753.D

Acq: 15 Jan 2024 14:26

Instrument :

MSVOA\_X

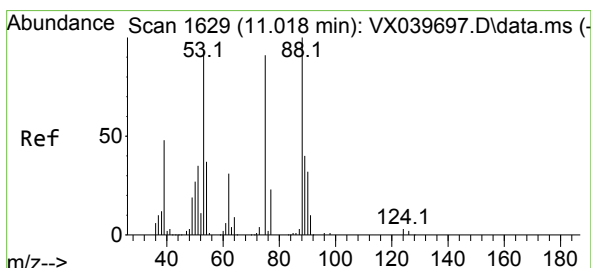
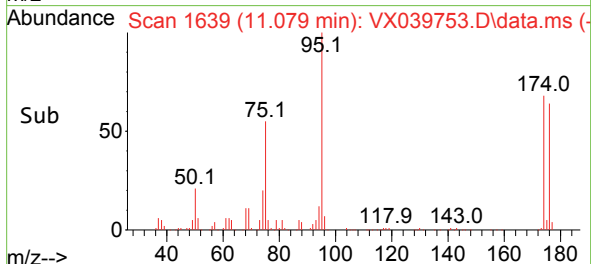
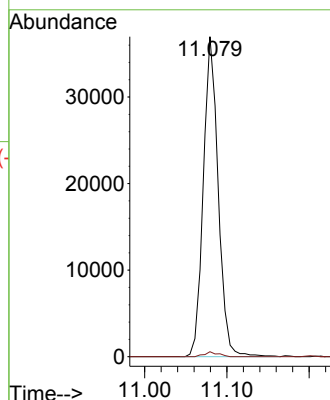
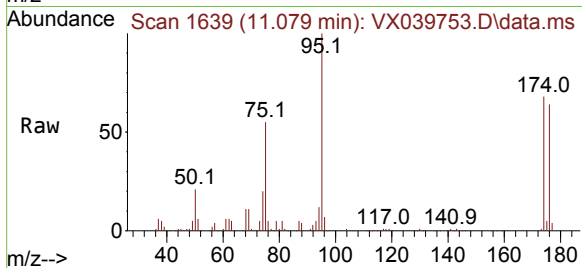
ClientSampleId :

Tgt Ion: 75 Resp: 46443

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.899 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039753.D

Acq: 15 Jan 2024 14:26

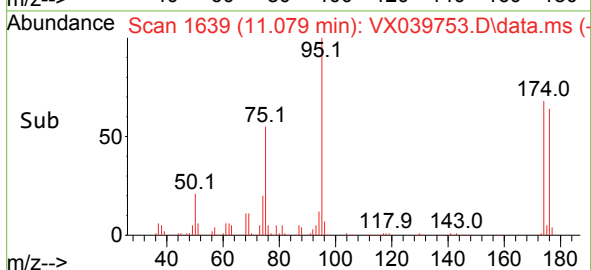
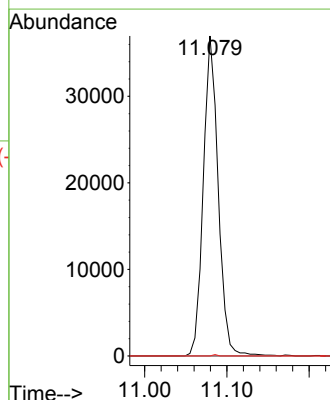
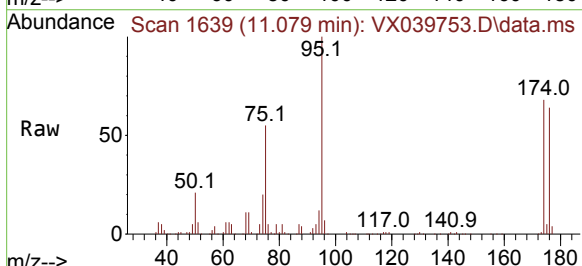
Tgt Ion: 75 Resp: 46443

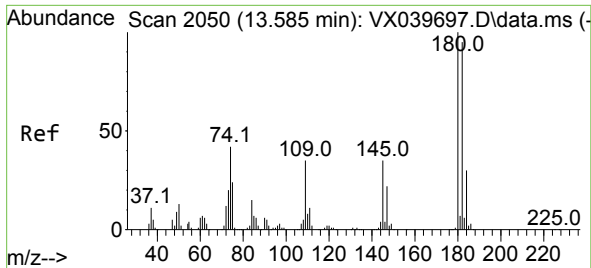
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.1 36.9 55.3#

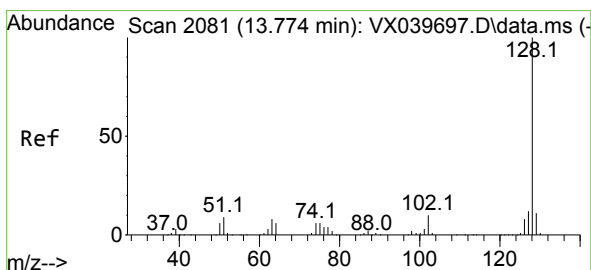
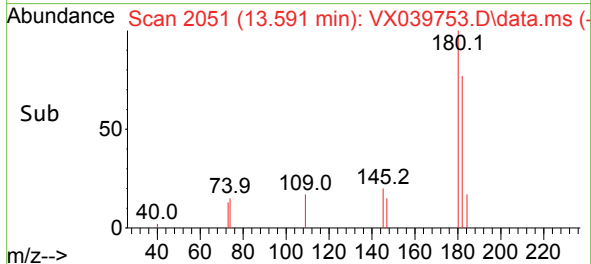
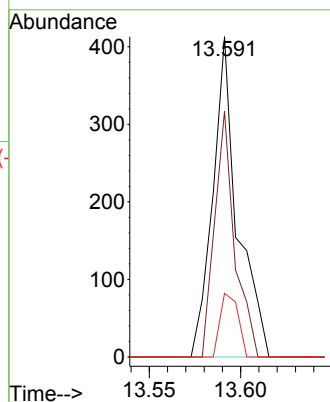
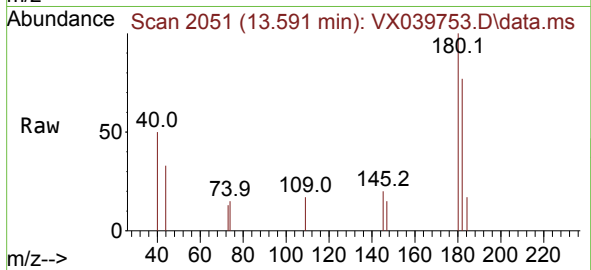




#93  
1,2,4-Trichlorobenzene  
Concen: 0.249 ug/l  
RT: 13.591 min Scan# 2050  
Delta R.T. 0.006 min  
Lab File: VX039753.D  
Acq: 15 Jan 2024 14:26

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion:180 Resp: 388  
Ion Ratio Lower Upper  
180 100  
182 61.9 48.3 144.8  
145 14.4 18.0 54.0#



#95  
Naphthalene  
Concen: 0.395 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.006 min  
Lab File: VX039753.D  
Acq: 15 Jan 2024 14:26

Tgt Ion:128 Resp: 2268  
Ion Ratio Lower Upper  
128 100  
127 11.3 10.3 15.5  
129 10.5 8.8 13.2

