

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX012224\  
 Data File : VX039883.D  
 Acq On : 22 Jan 2024 15:00  
 Operator : JC/MD  
 Sample : P1186-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jan 23 00:17:34 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

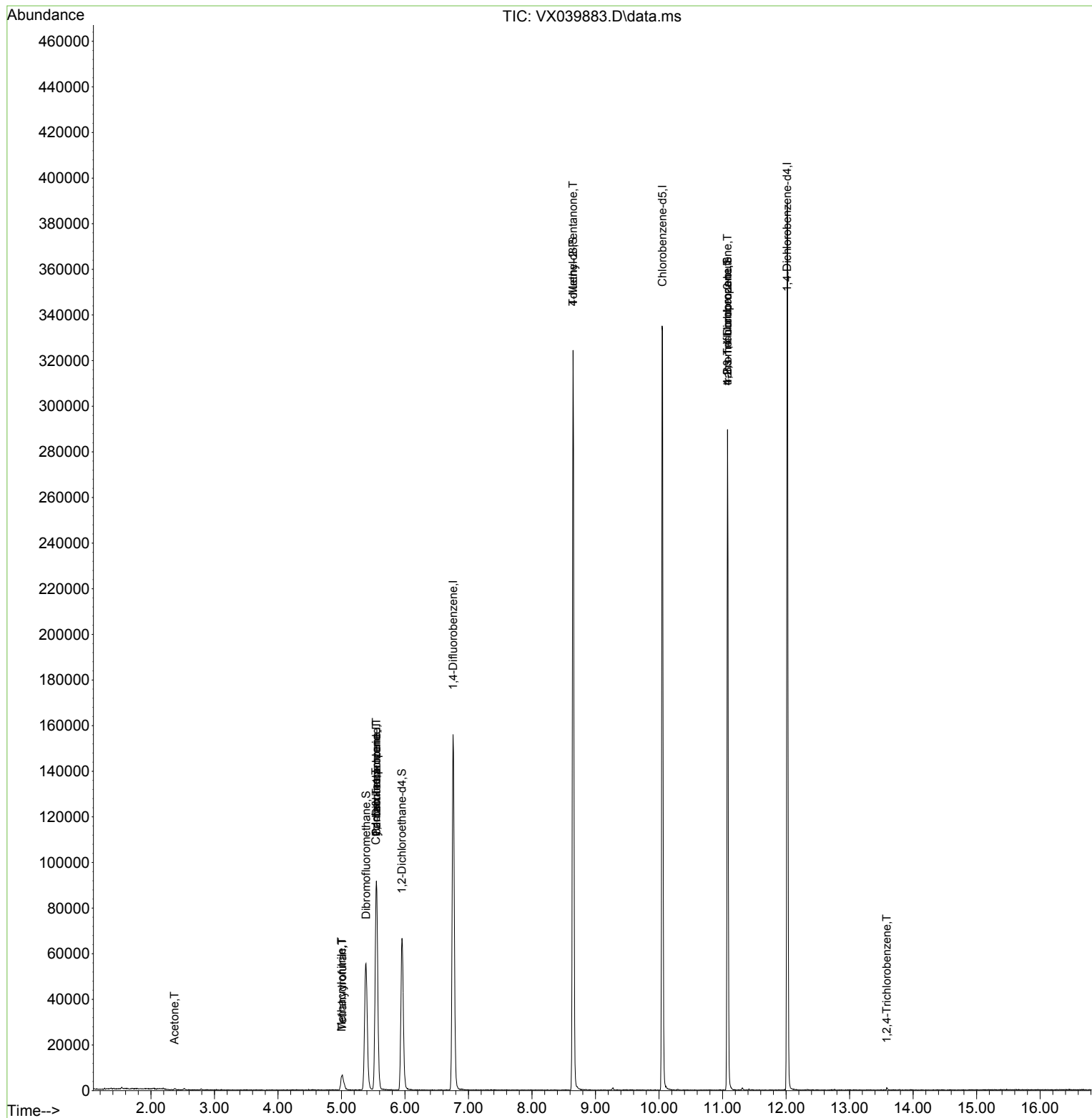
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 81562    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 150603   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 147156   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 74863    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 63966    | 46.818    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 93.640%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 49970    | 49.262    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 98.520%  |
| 50) Toluene-d8                | 8.647  | 98    | 188115   | 49.170    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 98.340%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 75839    | 50.692    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 101.380% |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 13) Acrolein                  | 2.191  | 56    | 21       | Below Cal | #      | 14       |
| 16) Acetone                   | 2.367  | 43    | 691      | 0.899     | ug/l   | 96       |
| 29) Tetrahydrofuran           | 5.013  | 42    | 6533     | 9.192     | ug/l   | 99       |
| 31) Cyclohexane               | 5.544  | 56    | 2429     | 1.347     | ug/l # | 50       |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 7521     | 4.763     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 8873     | 6.136     | ug/l # | 14       |
| 41) Methacrylonitrile         | 5.001  | 41    | 4023     | 3.906     | ug/l # | 53       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 916      | 0.430     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 42565    | 21.931    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 42565    | 63.666    | ug/l # | 5        |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180   | 341      | 0.222     | ug/l   | 89       |
| -----                         |        |       |          |           |        |          |

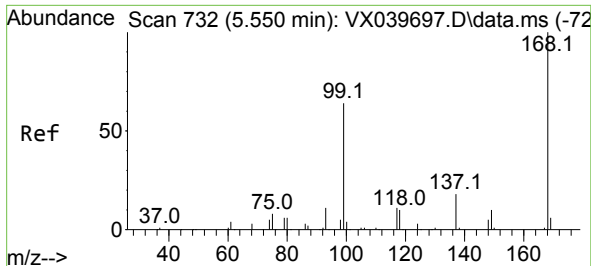
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX012224\  
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Sample : P1186-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Jan 23 00:17:34 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



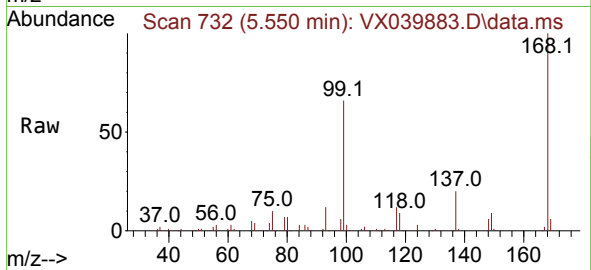


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX039883.D  
Acq: 22 Jan 2024 15:00

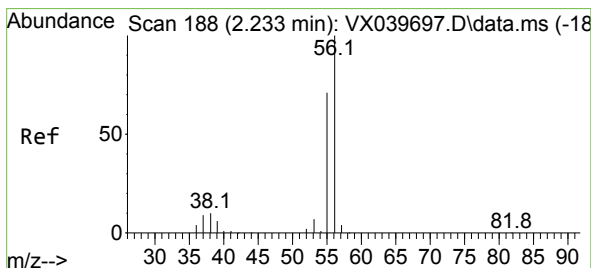
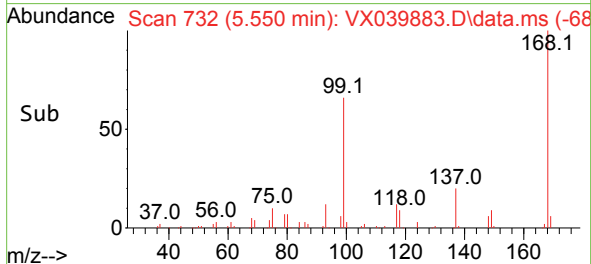
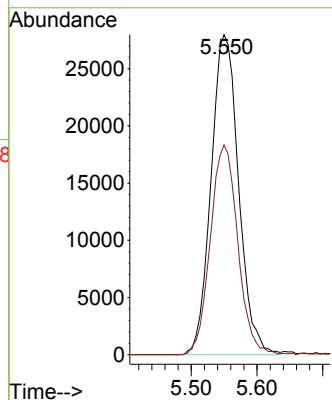
Instrument :

MSVOA\_X

ClientSampleId :

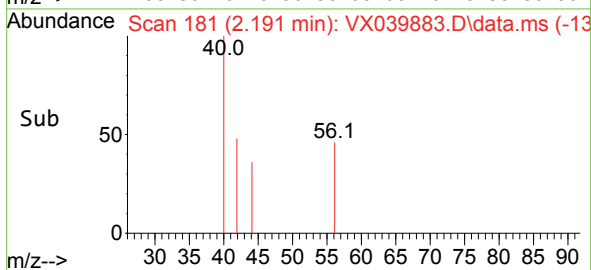
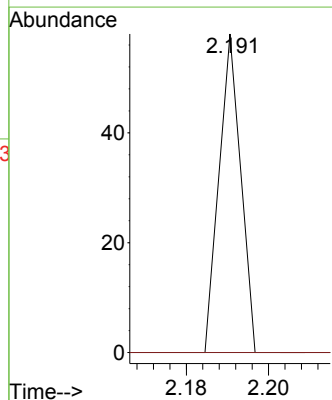
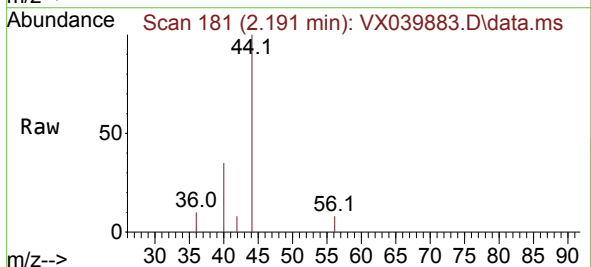


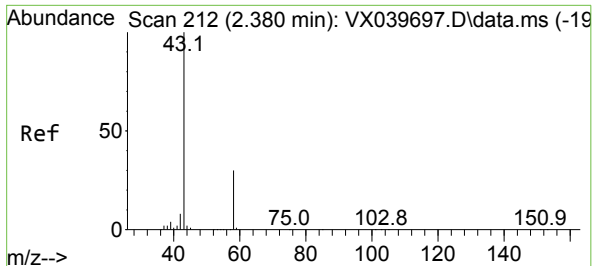
Tgt Ion:168 Resp: 81562  
Ion Ratio Lower Upper  
168 100  
99 65.6 56.6 85.0



#13  
Acrolein  
Concen: Below Cal  
RT: 2.191 min Scan# 181  
Delta R.T. -0.042 min  
Lab File: VX039883.D  
Acq: 22 Jan 2024 15:00

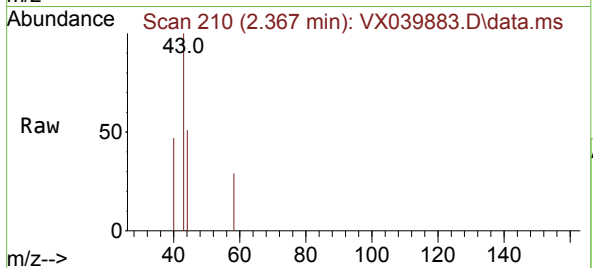
Tgt Ion: 56 Resp: 21  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.1 85.7#



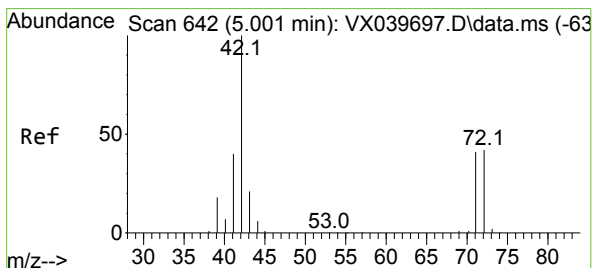
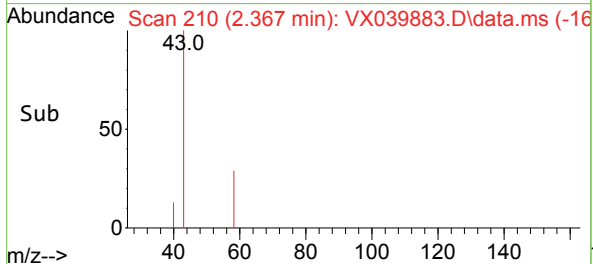
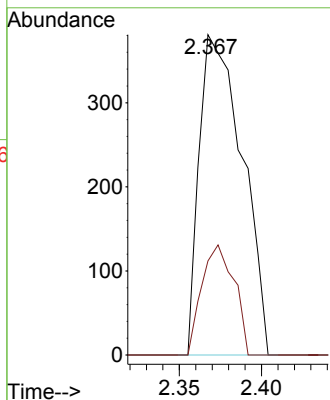


#16  
Acetone  
Concen: 0.899 ug/l  
RT: 2.367 min Scan# 212  
Delta R.T. -0.012 min  
Lab File: VX039883.D  
Acq: 22 Jan 2024 15:00

Instrument :  
MSVOA\_X  
ClientSampleId :

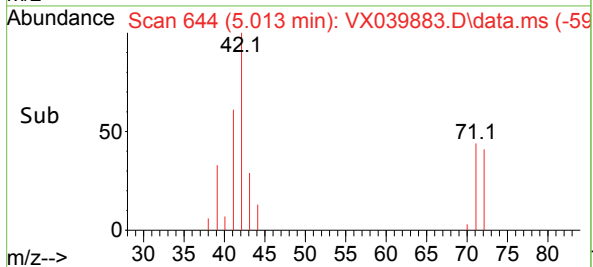
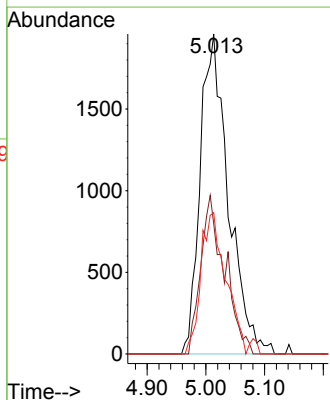
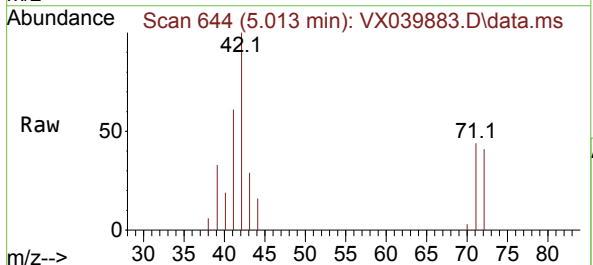


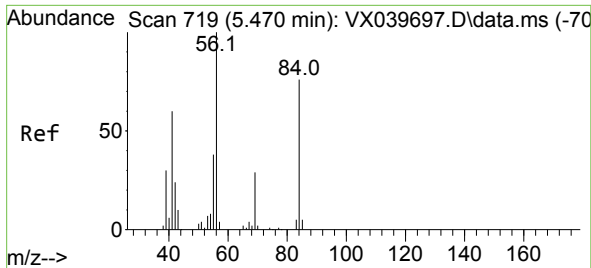
Tgt Ion: 43 Resp: 691  
Ion Ratio Lower Upper  
43 100  
58 29.4 21.9 32.9



#29  
Tetrahydrofuran  
Concen: 9.192 ug/l  
RT: 5.013 min Scan# 644  
Delta R.T. 0.012 min  
Lab File: VX039883.D  
Acq: 22 Jan 2024 15:00

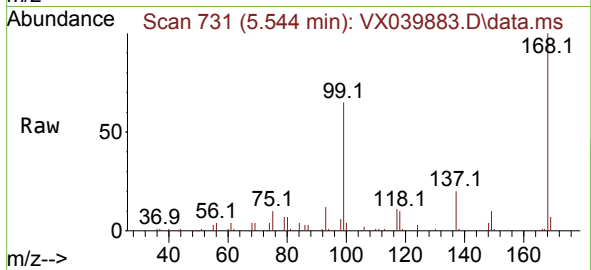
Tgt Ion: 42 Resp: 6533  
Ion Ratio Lower Upper  
42 100  
72 42.0 34.2 51.4  
71 39.2 32.2 48.2



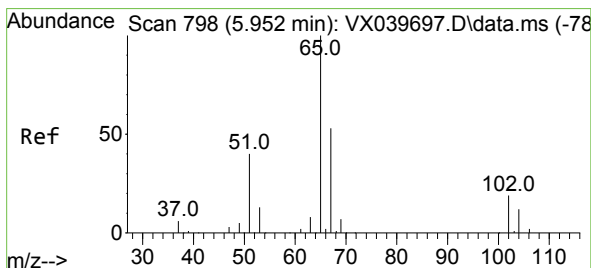
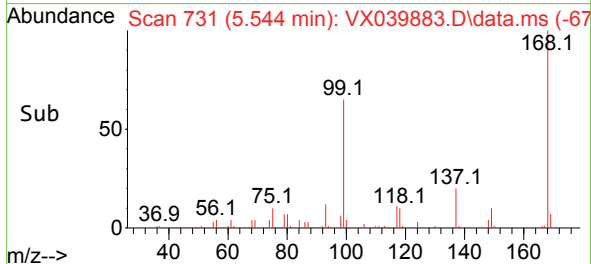
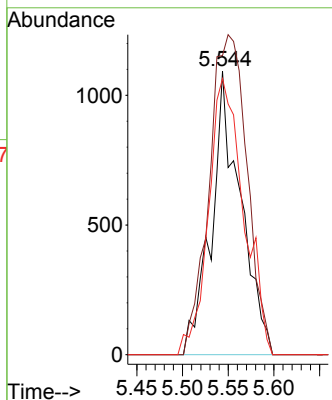


#31  
Cyclohexane  
Concen: 1.347 ug/l  
RT: 5.544 min Scan# 719  
Delta R.T. 0.073 min  
Lab File: VX039883.D  
Acq: 22 Jan 2024 15:00

Instrument :  
MSVOA\_X  
ClientSampleId :

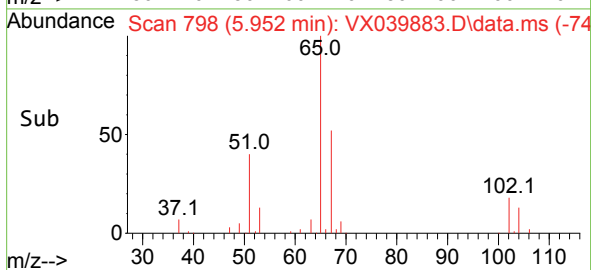
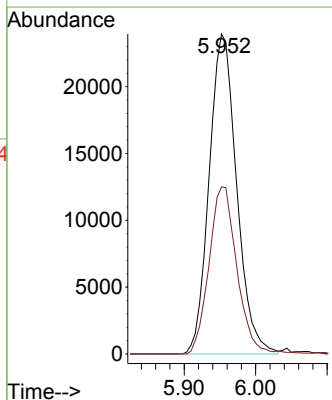
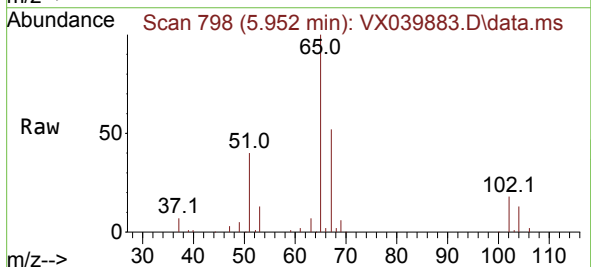


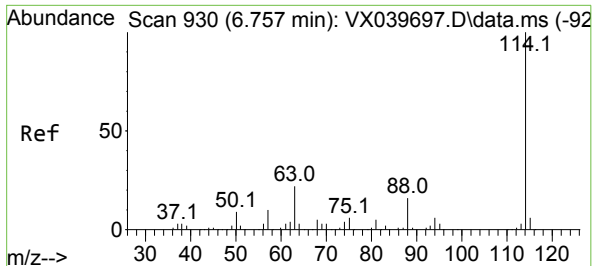
Tgt Ion: 56 Resp: 2429  
Ion Ratio Lower Upper  
56 100  
69 105.6 23.4 35.2#  
84 97.4 65.9 98.9



#33  
1,2-Dichloroethane-d4  
Concen: 46.818 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.000 min  
Lab File: VX039883.D  
Acq: 22 Jan 2024 15:00

Tgt Ion: 65 Resp: 63966  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 100.2

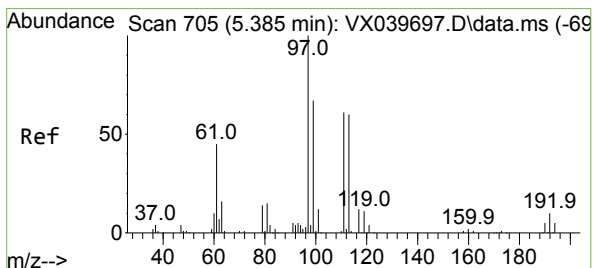
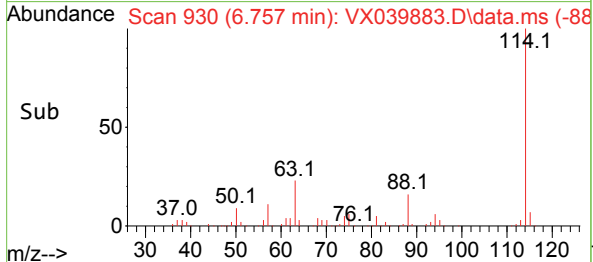
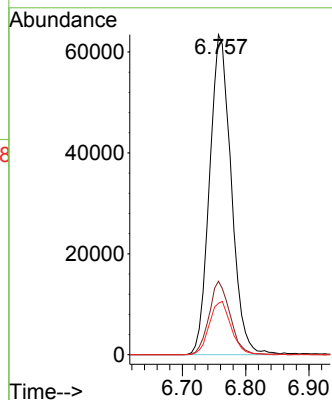
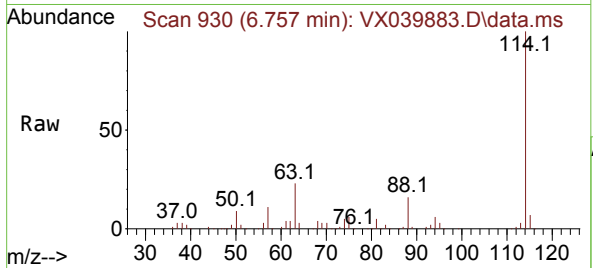




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX039883.D  
Acq: 22 Jan 2024 15:00

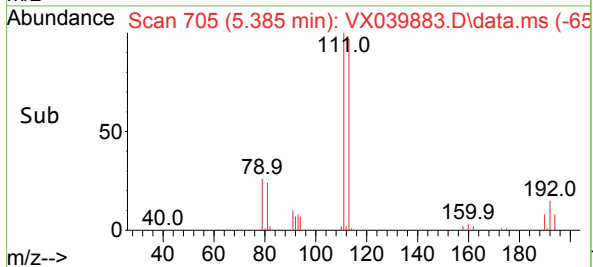
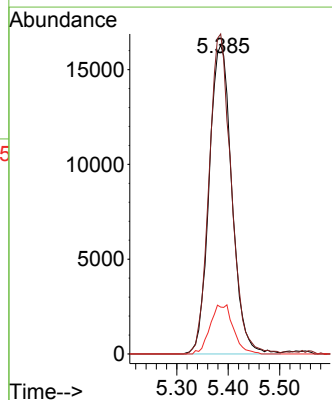
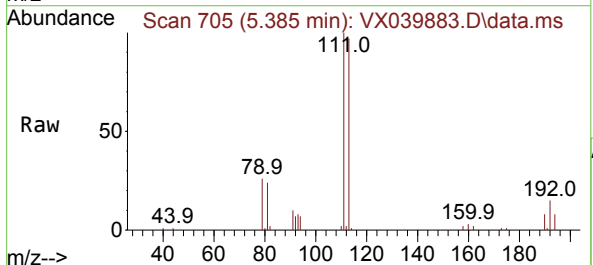
Instrument :  
MSVOA\_X  
ClientSampleId :

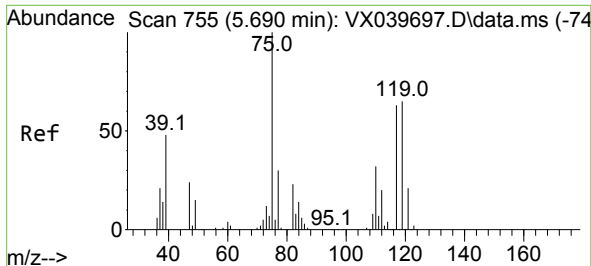
Tgt Ion:114 Resp: 150603  
Ion Ratio Lower Upper  
114 100  
63 22.9 0.0 45.0  
88 16.1 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 49.262 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX039883.D  
Acq: 22 Jan 2024 15:00

Tgt Ion:113 Resp: 49970  
Ion Ratio Lower Upper  
113 100  
111 101.4 82.9 124.3  
192 16.2 13.3 19.9

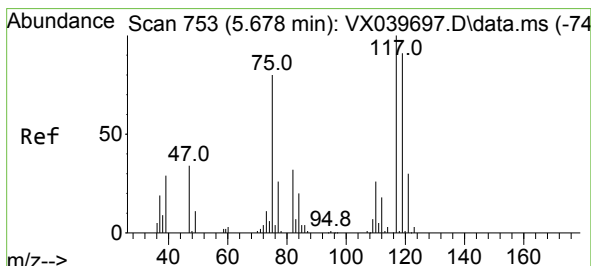
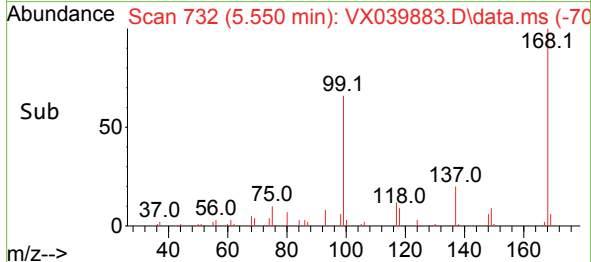
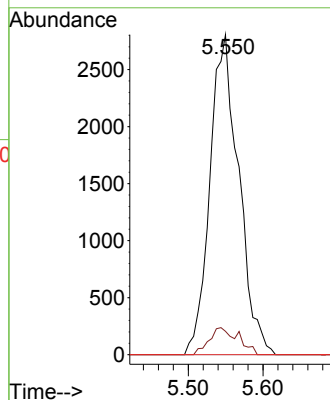
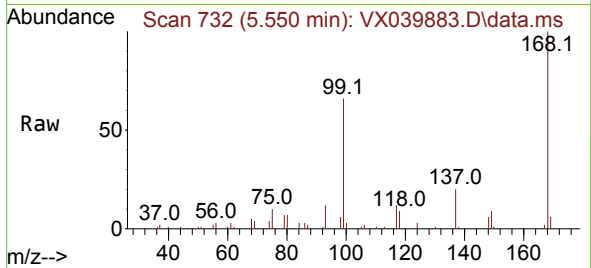




#36  
1,1-Dichloropropene  
Concen: 4.763 ug/l  
RT: 5.550 min Scan# 712  
Delta R.T. -0.140 min  
Lab File: VX039883.D  
Acq: 22 Jan 2024 15:00

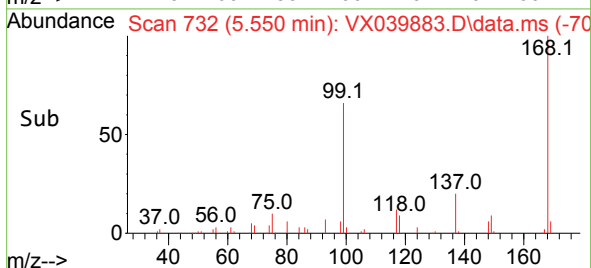
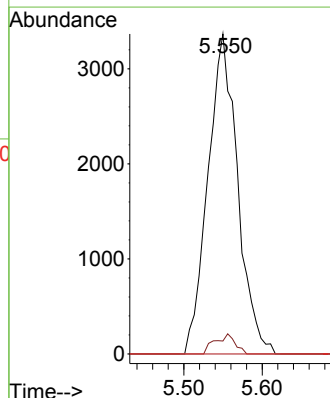
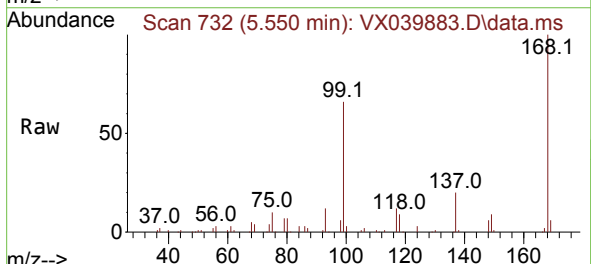
Instrument :  
MSVOA\_X  
ClientSampleId :

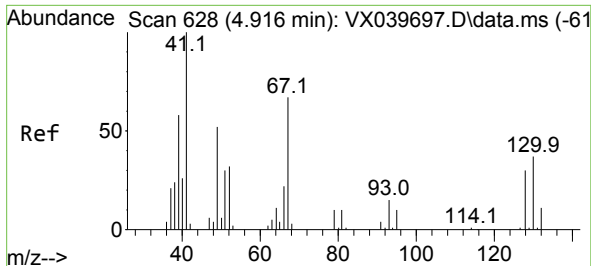
Tgt Ion: 75 Resp: 7521  
Ion Ratio Lower Upper  
75 100  
110 8.5 17.0 50.9#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 6.136 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.128 min  
Lab File: VX039883.D  
Acq: 22 Jan 2024 15:00

Tgt Ion: 117 Resp: 8873  
Ion Ratio Lower Upper  
117 100  
119 4.0 78.2 117.2#  
121 0.0 24.4 36.6#

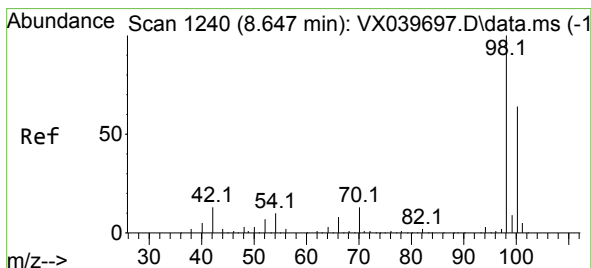
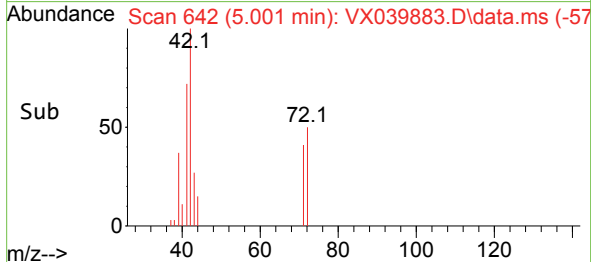
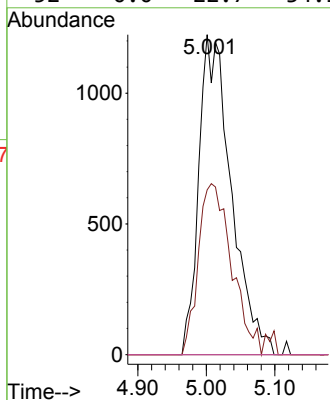
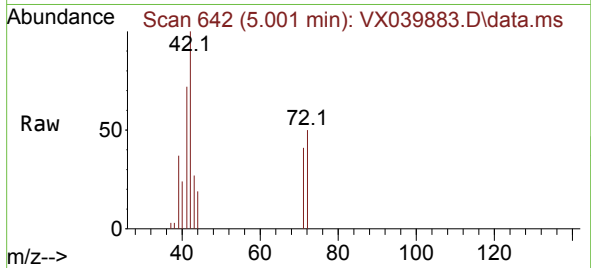




#41  
Methacrylonitrile  
Concen: 3.906 ug/l  
RT: 5.001 min Scan# 642  
Delta R.T. 0.085 min  
Lab File: VX039883.D  
Acq: 22 Jan 2024 15:00

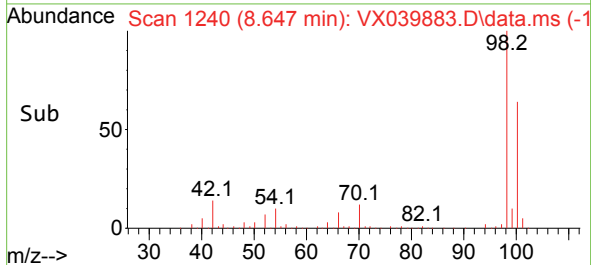
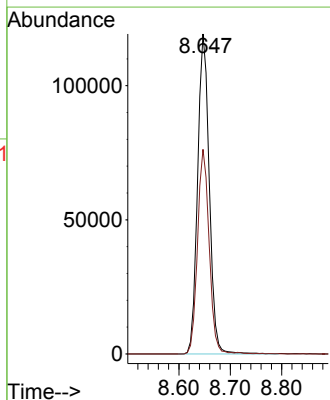
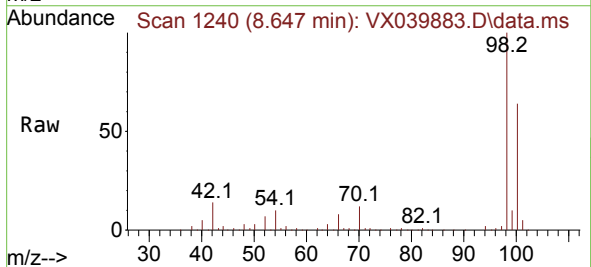
Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 41 Resp: 4023  
Ion Ratio Lower Upper  
41 100  
39 54.9 45.2 67.8  
67 0.0 52.6 78.8#  
52 0.0 22.7 34.1#

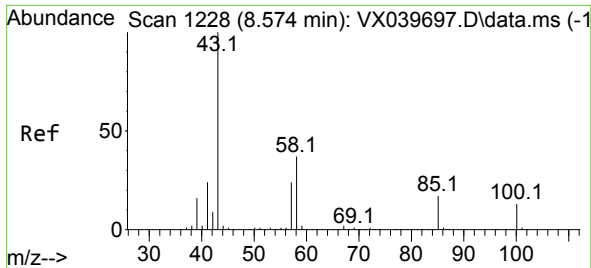


#50  
Toluene-d8  
Concen: 49.170 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX039883.D  
Acq: 22 Jan 2024 15:00

Tgt Ion: 98 Resp: 188115  
Ion Ratio Lower Upper  
98 100  
100 63.4 53.1 79.7



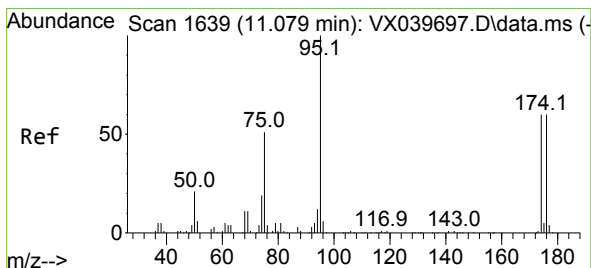
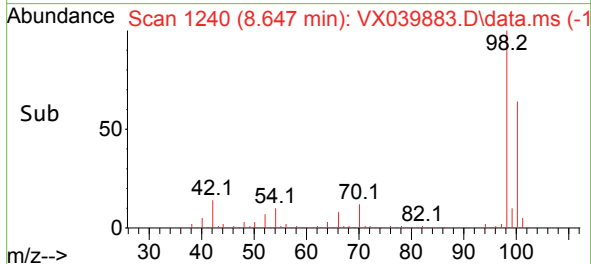
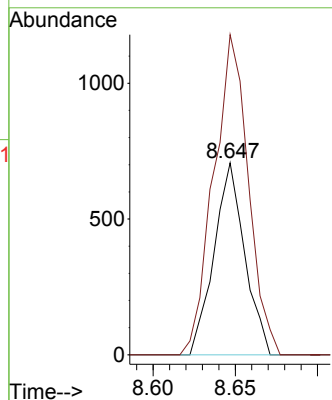
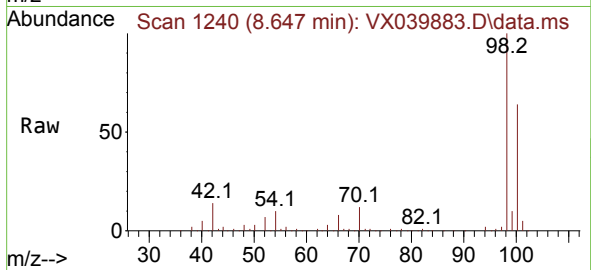




#51  
4-Methyl-2-Pentanone  
Concen: 0.430 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.073 min  
Lab File: VX039883.D  
Acq: 22 Jan 2024 15:00

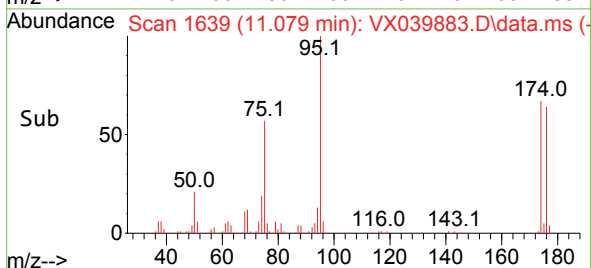
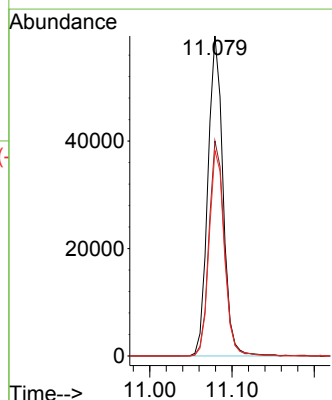
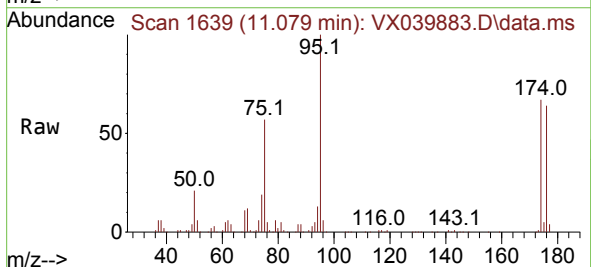
Instrument :  
MSVOA\_X  
ClientSampleId :

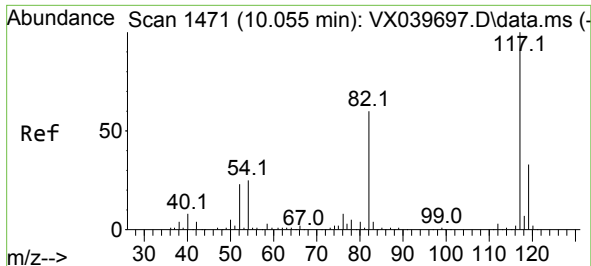
Tgt Ion: 43 Resp: 916  
Ion Ratio Lower Upper  
43 100  
58 188.5 30.4 45.6#



#62  
4-Bromofluorobenzene  
Concen: 50.692 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX039883.D  
Acq: 22 Jan 2024 15:00

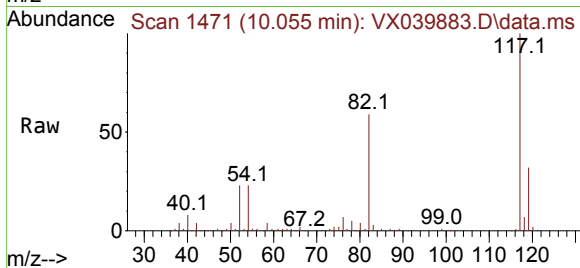
Tgt Ion: 95 Resp: 75839  
Ion Ratio Lower Upper  
95 100  
174 68.6 0.0 135.6  
176 64.9 0.0 131.0



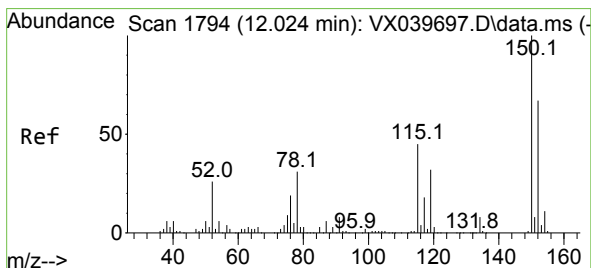
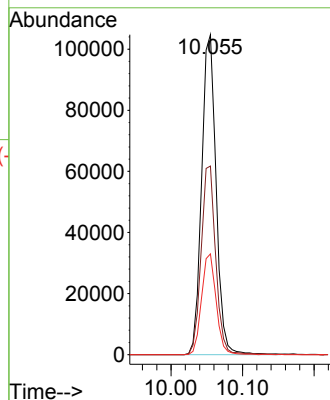
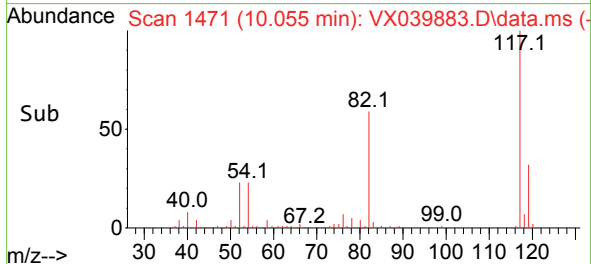


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX039883.D  
Acq: 22 Jan 2024 15:00

Instrument :  
MSVOA\_X  
ClientSampleId :

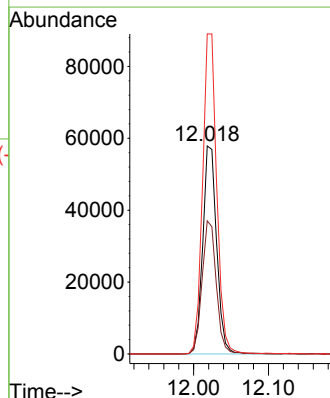
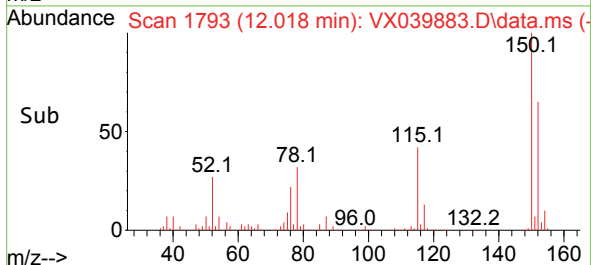
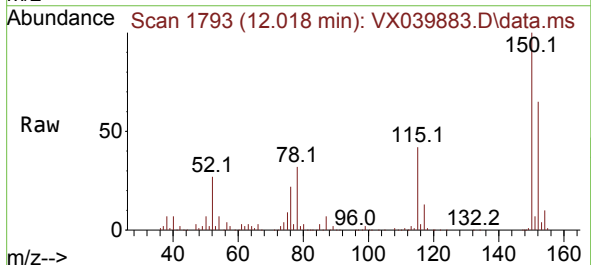


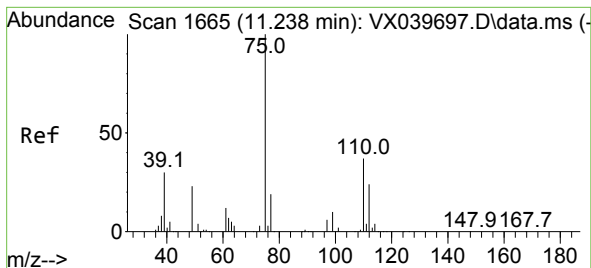
Tgt Ion:117 Resp: 147156  
Ion Ratio Lower Upper  
117 100  
82 58.9 46.2 69.4  
119 31.5 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.006 min  
Lab File: VX039883.D  
Acq: 22 Jan 2024 15:00

Tgt Ion:152 Resp: 74863  
Ion Ratio Lower Upper  
152 100  
115 65.2 43.3 129.9  
150 156.0 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 21.931 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX039883.D

Acq: 22 Jan 2024 15:00

Instrument :

MSVOA\_X

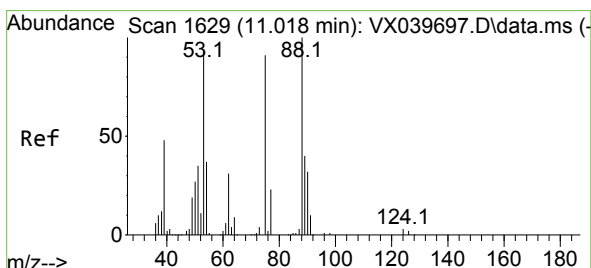
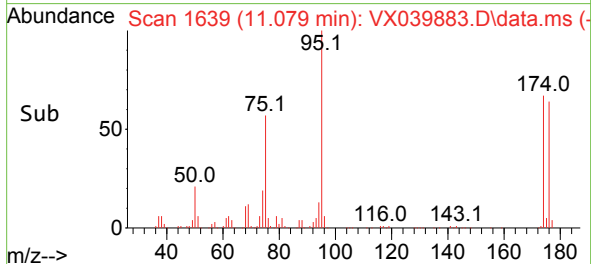
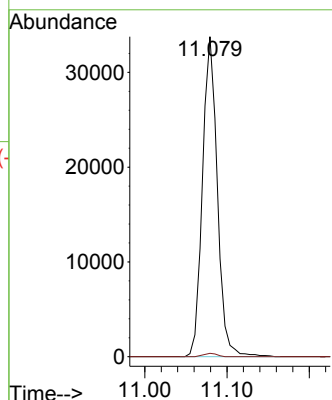
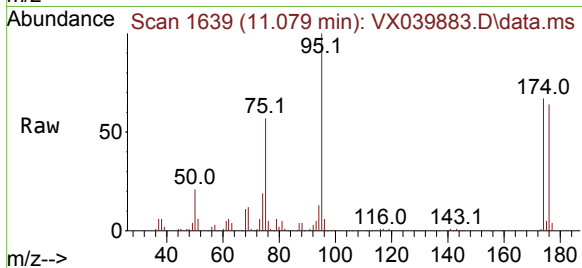
ClientSampleId :

Tgt Ion: 75 Resp: 42565

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.666 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039883.D

Acq: 22 Jan 2024 15:00

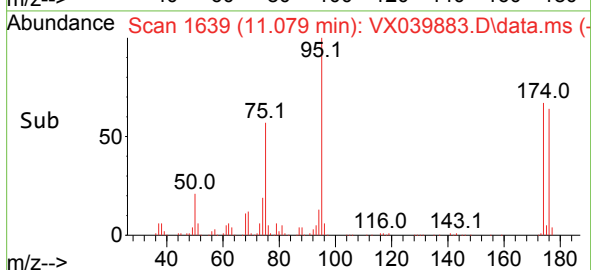
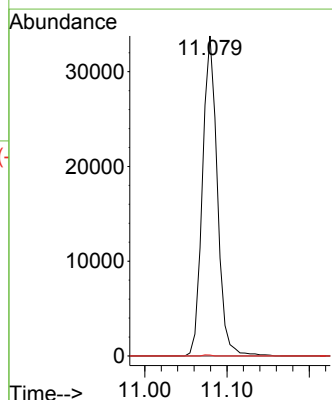
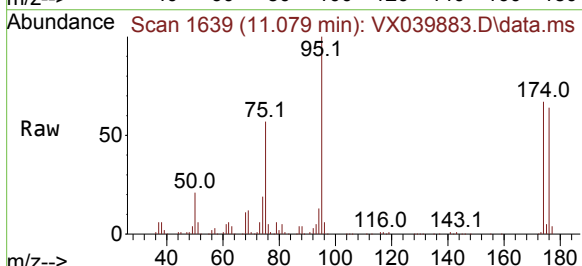
Tgt Ion: 75 Resp: 42565

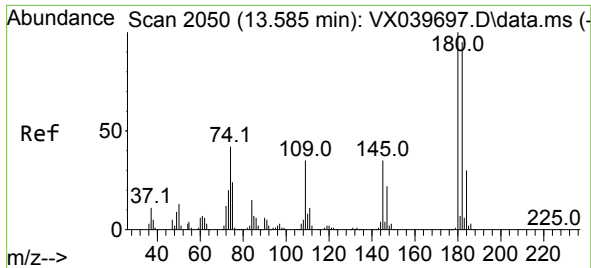
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.2 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.222 ug/l

RT: 13.585 min Scan# 20

Delta R.T. 0.000 min

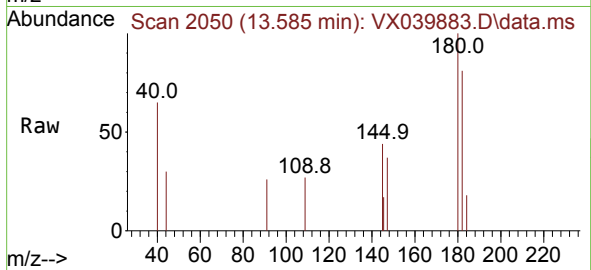
Lab File: VX039883.D

Acq: 22 Jan 2024 15:00

Instrument :

MSVOA\_X

ClientSampleId :



Tgt Ion:180 Resp: 341

Ion Ratio Lower Upper

180 100

182 105.3 48.3 144.8

145 27.3 18.0 54.0

