

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112023\  
 Data File : VX038959.D  
 Acq On : 20 Nov 2023 15:28  
 Operator : JC/MD  
 Sample : 05431-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 21 00:21:21 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 16 22:59:22 2023  
 Response via : Initial Calibration

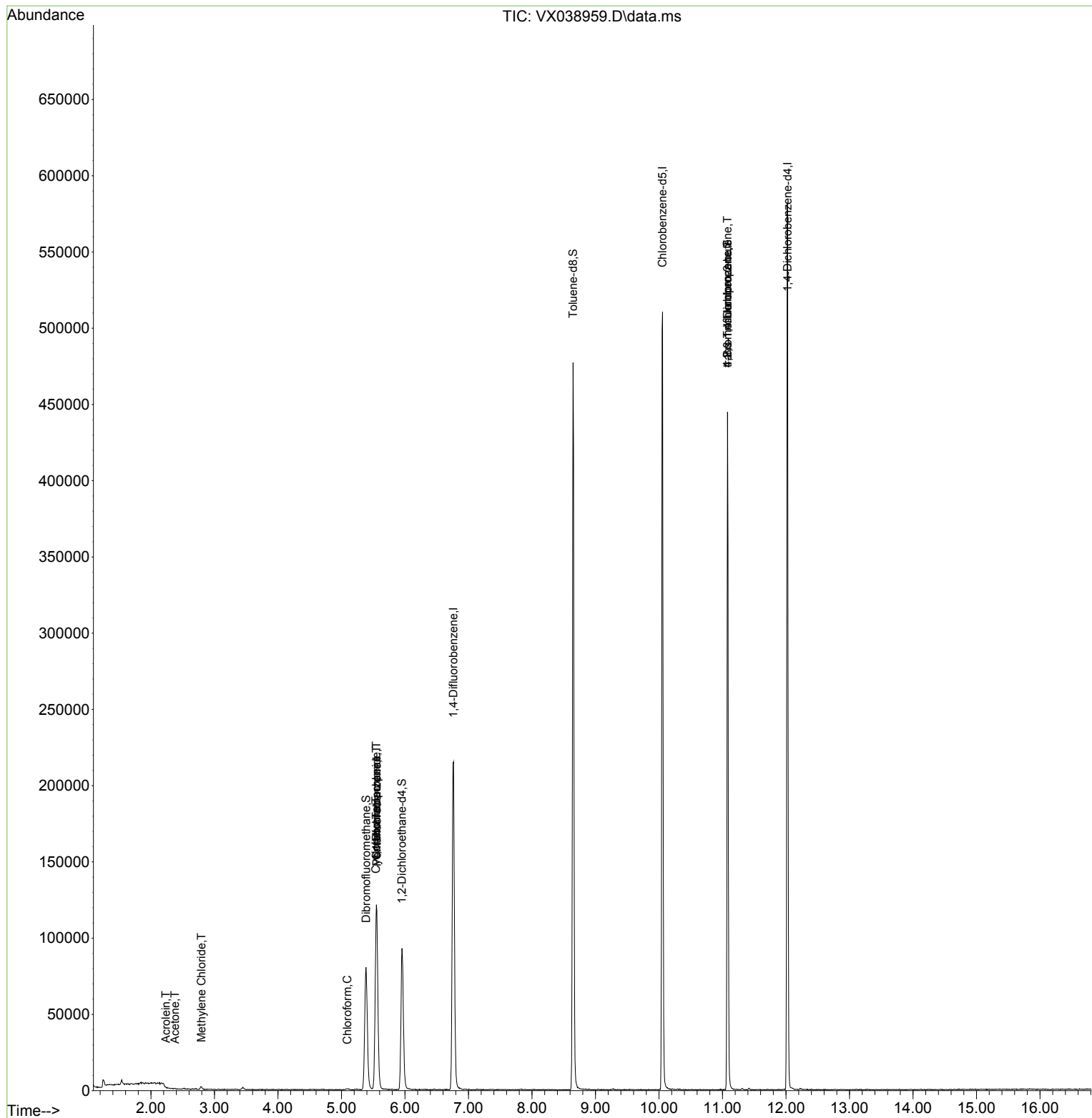
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 108760   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 220594   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 230409   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 114513   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 87460    | 49.906   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 99.820%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 70931    | 44.522   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 89.040%  |
| 50) Toluene-d8                | 8.647  | 98    | 282543   | 46.352   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 92.700%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 120728   | 49.476   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 98.960%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 13) Acrolein                  | 2.233  | 56    | 181      | 0.702    | ug/l # | 14       |
| 16) Acetone                   | 2.380  | 43    | 478      | 0.512    | ug/l # | 71       |
| 20) Methylene Chloride        | 2.794  | 84    | 967      | 0.575    | ug/l # | 74       |
| 30) Chloroform                | 5.093  | 83    | 894      | 0.329    | ug/l   | 91       |
| 31) Cyclohexane               | 5.544  | 56    | 2993     | 1.196    | ug/l # | 29       |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 10259    | 4.493    | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 12310    | 5.833    | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 64273    | 22.496   | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 64273    | 49.899   | ug/l # | 5        |
| -----                         |        |       |          |          |        |          |

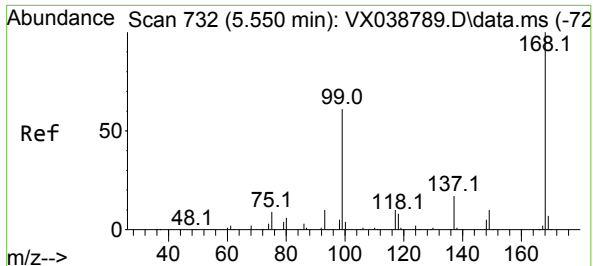
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112023\  
Data File : VX038959.D  
Acq On : 20 Nov 2023 15:28  
Operator : JC/MD  
Sample : 05431-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

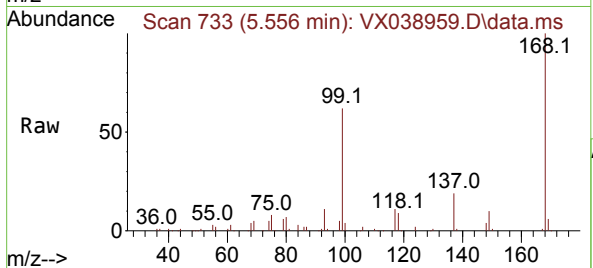
Quant Time: Nov 21 00:21:21 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 16 22:59:22 2023  
Response via : Initial Calibration



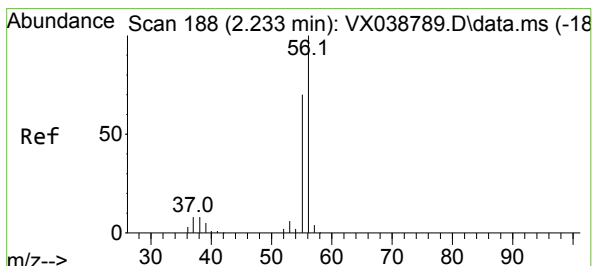
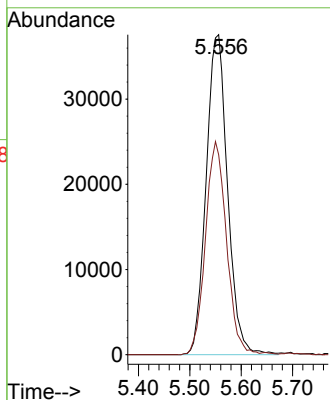
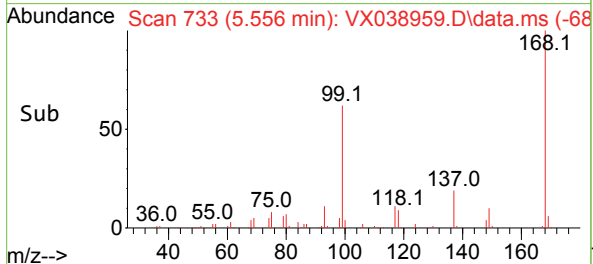


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX038959.D  
Acq: 20 Nov 2023 15:28

Instrument :  
MSVOA\_X  
ClientSampleId :

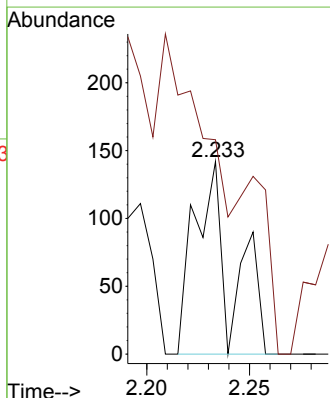
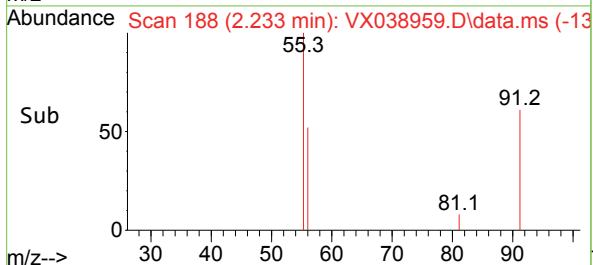
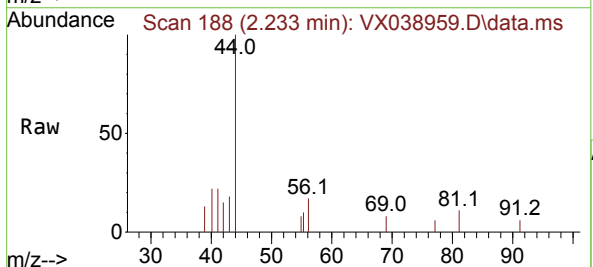


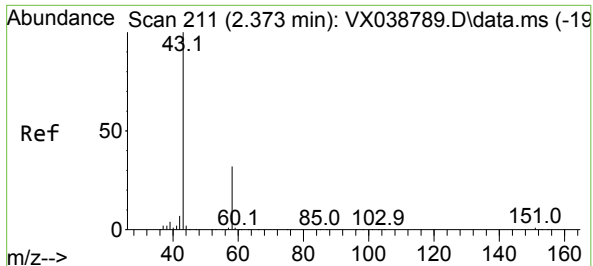
Tgt Ion:168 Resp: 108760  
Ion Ratio Lower Upper  
168 100  
99 62.4 56.6 85.0



#13  
Acrolein  
Concen: 0.702 ug/l  
RT: 2.233 min Scan# 188  
Delta R.T. 0.000 min  
Lab File: VX038959.D  
Acq: 20 Nov 2023 15:28

Tgt Ion: 56 Resp: 181  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.1 85.7#

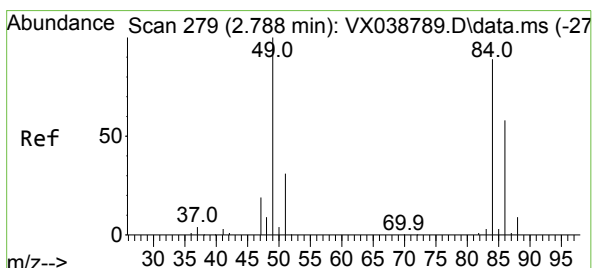
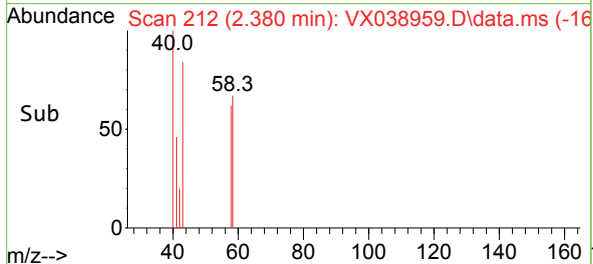
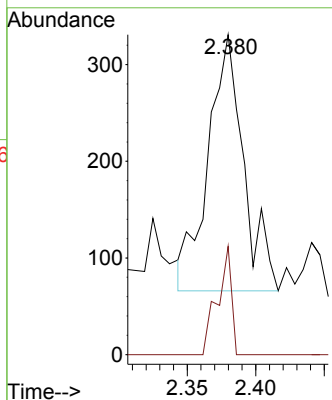
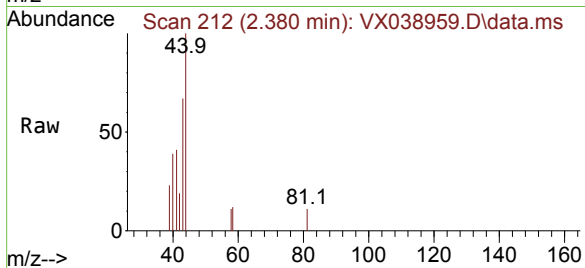




#16  
Acetone  
Concen: 0.512 ug/l  
RT: 2.380 min Scan# 211  
Delta R.T. 0.006 min  
Lab File: VX038959.D  
Acq: 20 Nov 2023 15:28

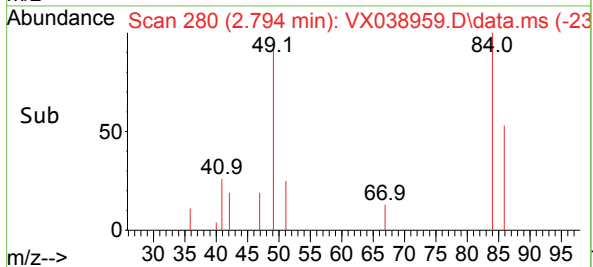
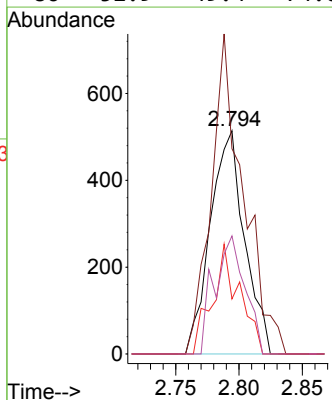
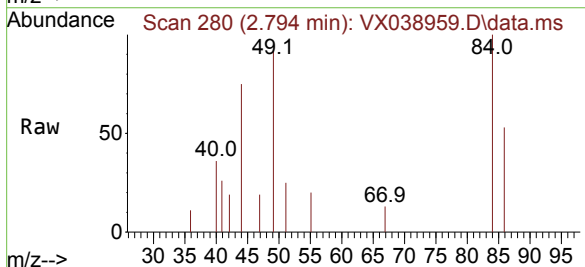
Instrument :  
MSVOA\_X  
ClientSampleId :

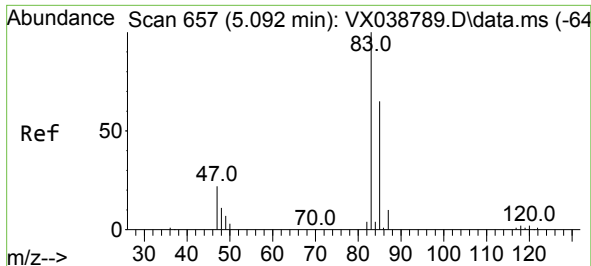
Tgt Ion: 43 Resp: 478  
Ion Ratio Lower Upper  
43 100  
58 42.3 21.9 32.9#



#20  
Methylene Chloride  
Concen: 0.575 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX038959.D  
Acq: 20 Nov 2023 15:28

Tgt Ion: 84 Resp: 967  
Ion Ratio Lower Upper  
84 100  
49 92.0 103.6 155.4#  
51 24.7 33.8 50.6#  
86 52.9 49.4 74.0

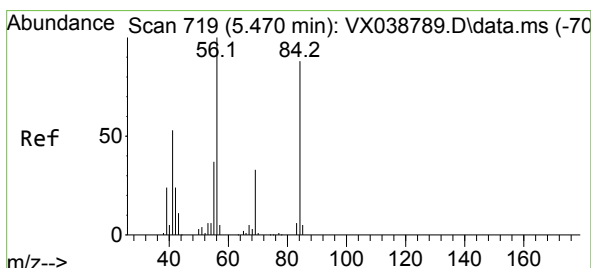
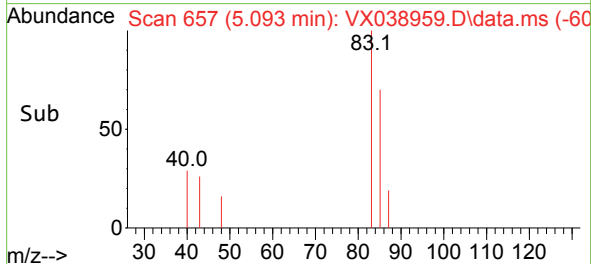
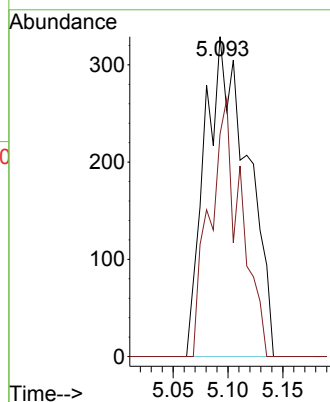
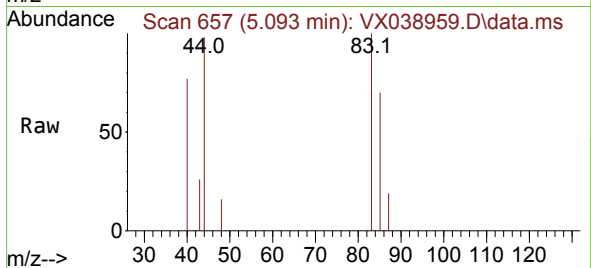




#30  
Chloroform  
Concen: 0.329 ug/l  
RT: 5.093 min Scan# 610  
Delta R.T. 0.000 min  
Lab File: VX038959.D  
Acq: 20 Nov 2023 15:28

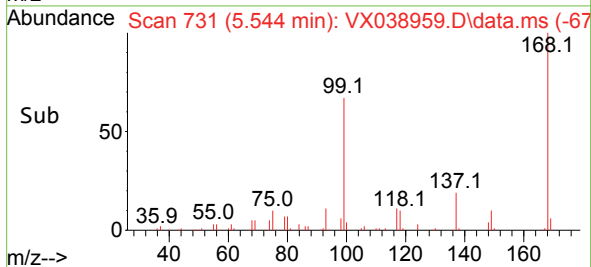
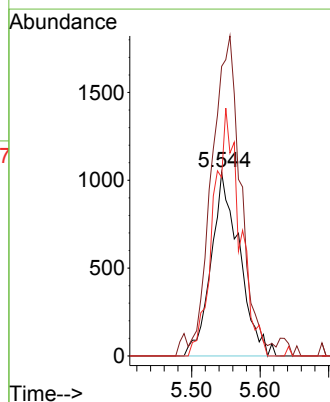
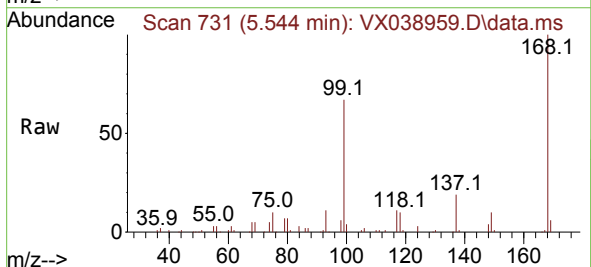
Instrument :  
MSVOA\_X  
ClientSampleId :

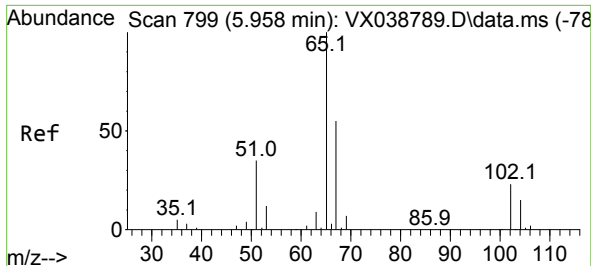
Tgt Ion: 83 Resp: 894  
Ion Ratio Lower Upper  
83 100  
85 69.6 50.3 75.5



#31  
Cyclohexane  
Concen: 1.196 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. 0.073 min  
Lab File: VX038959.D  
Acq: 20 Nov 2023 15:28

Tgt Ion: 56 Resp: 2993  
Ion Ratio Lower Upper  
56 100  
69 150.0 23.4 35.2#  
84 97.3 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 49.906 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX038959.D

Acq: 20 Nov 2023 15:28

Instrument :

MSVOA\_X

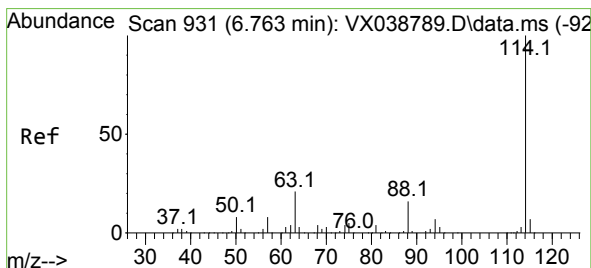
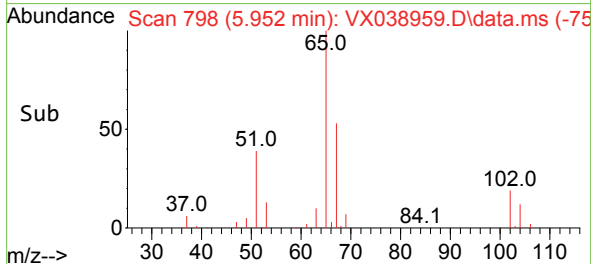
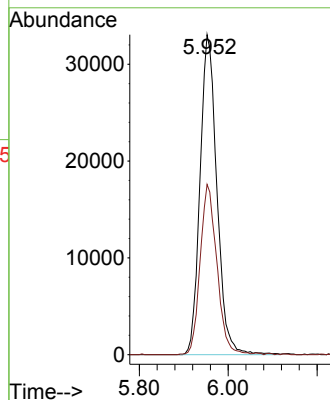
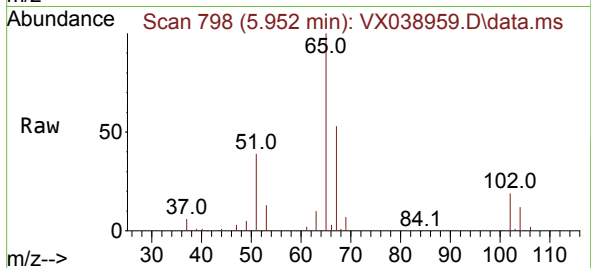
ClientSampleId :

Tgt Ion: 65 Resp: 87460

Ion Ratio Lower Upper

65 100

67 52.7 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX038959.D

Acq: 20 Nov 2023 15:28

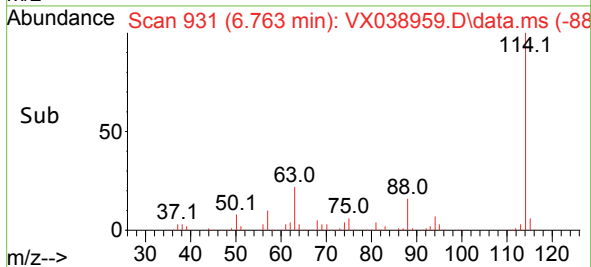
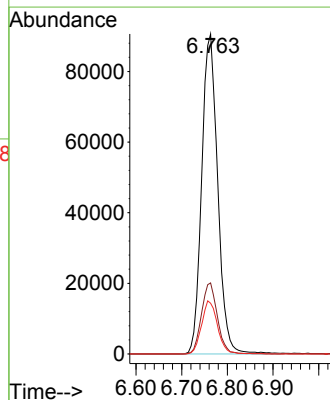
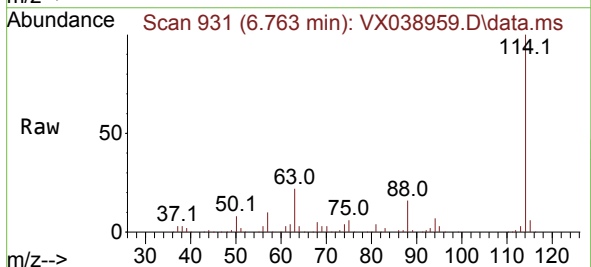
Tgt Ion:114 Resp: 220594

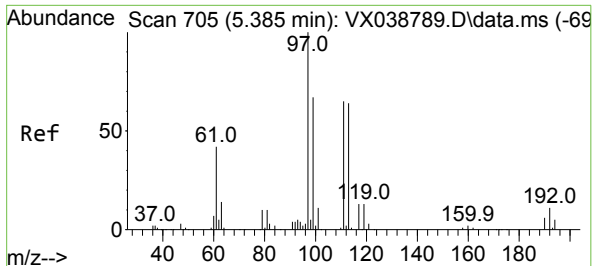
Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.0

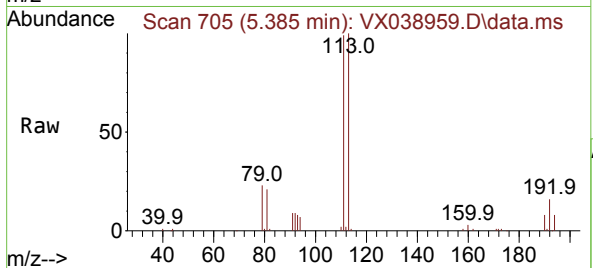
88 15.9 0.0 36.6



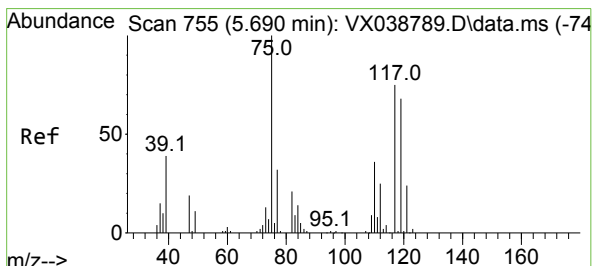
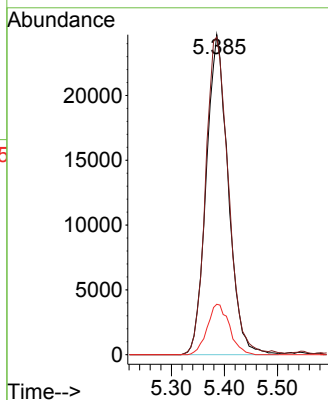
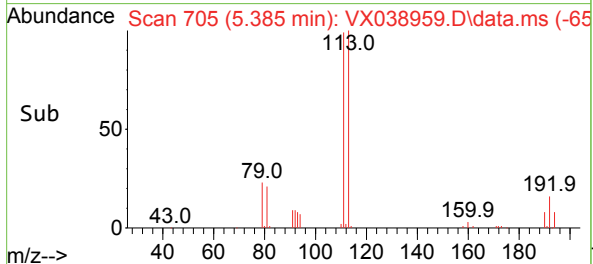


#35  
Dibromofluoromethane  
Concen: 44.522 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX038959.D  
Acq: 20 Nov 2023 15:28

Instrument :  
MSVOA\_X  
ClientSampleId :

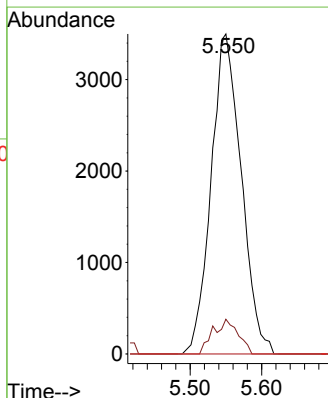
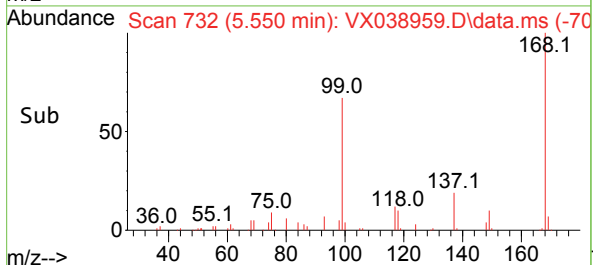
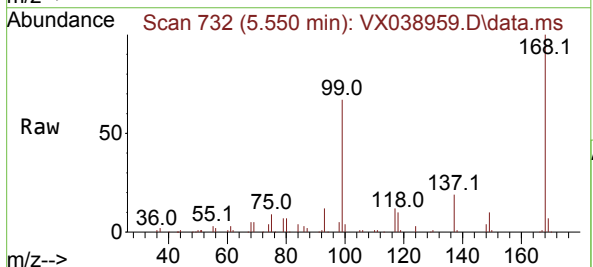


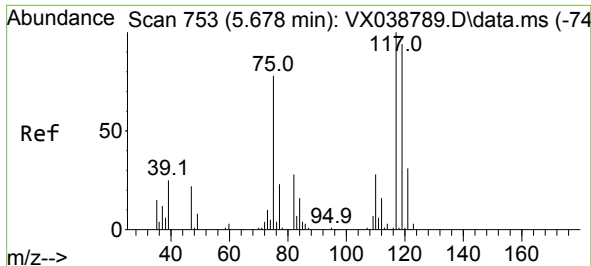
Tgt Ion:113 Resp: 70931  
Ion Ratio Lower Upper  
113 100  
111 103.1 82.9 124.3  
192 15.9 13.3 19.9



#36  
1,1-Dichloropropene  
Concen: 4.493 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.140 min  
Lab File: VX038959.D  
Acq: 20 Nov 2023 15:28

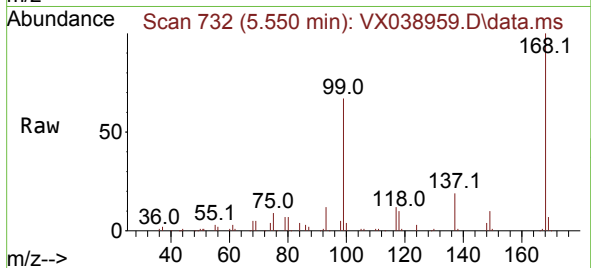
Tgt Ion: 75 Resp: 10259  
Ion Ratio Lower Upper  
75 100  
110 8.9 17.0 50.9#  
77 0.0 24.7 37.1#



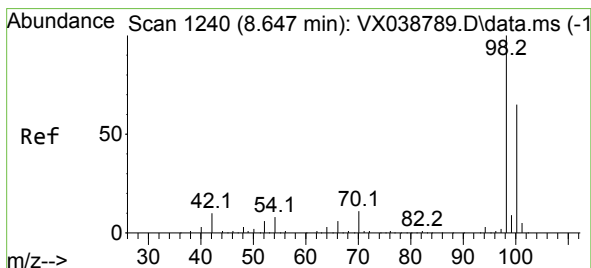
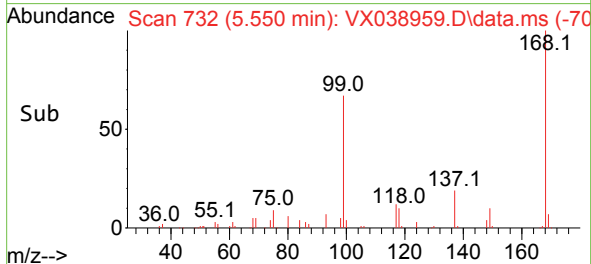
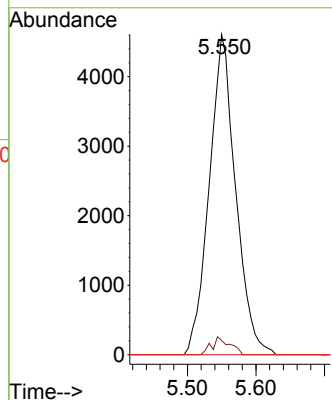


#38  
Carbon Tetrachloride  
Concen: 5.833 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX038959.D  
Acq: 20 Nov 2023 15:28

Instrument :  
MSVOA\_X  
ClientSampleId :

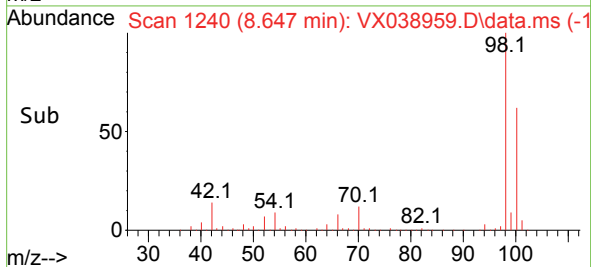
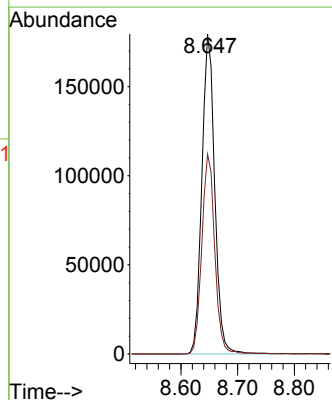
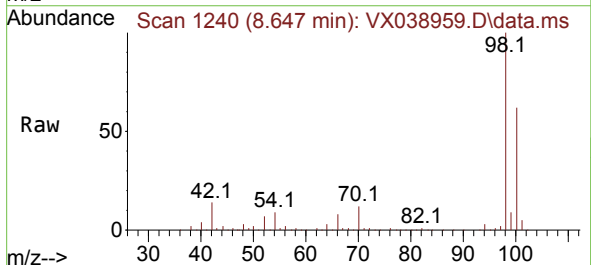


Tgt Ion:117 Resp: 12310  
Ion Ratio Lower Upper  
117 100  
119 4.5 78.2 117.2#  
121 0.0 24.4 36.6#

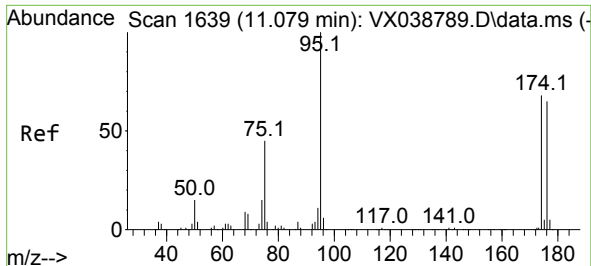


#50  
Toluene-d8  
Concen: 46.352 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX038959.D  
Acq: 20 Nov 2023 15:28

Tgt Ion: 98 Resp: 282543  
Ion Ratio Lower Upper  
98 100  
100 62.9 53.1 79.7



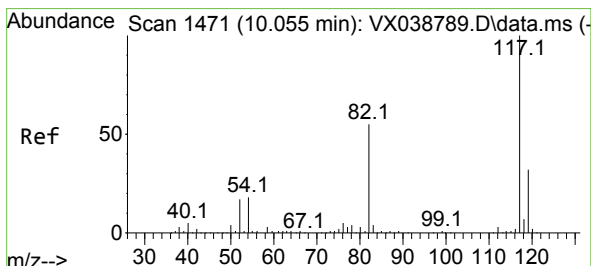
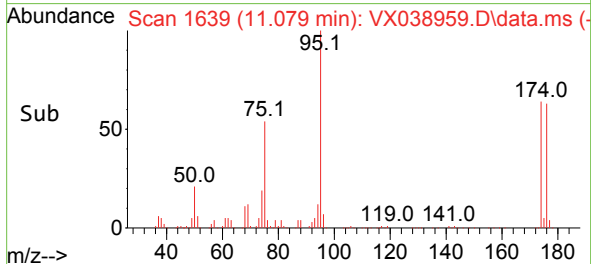
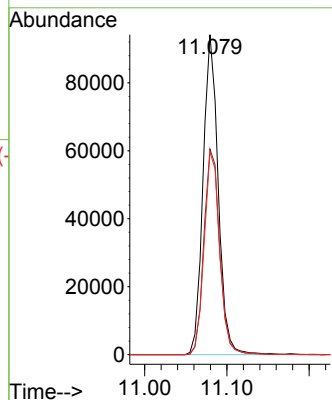
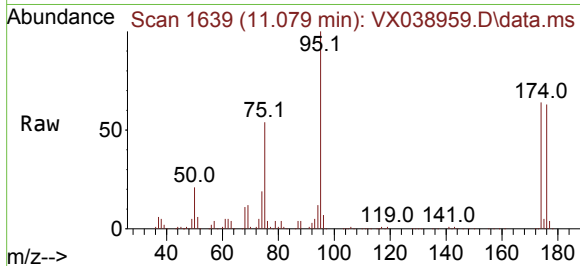




#62  
4-Bromofluorobenzene  
Concen: 49.476 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX038959.D  
Acq: 20 Nov 2023 15:28

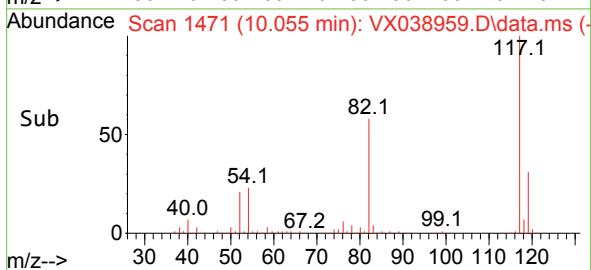
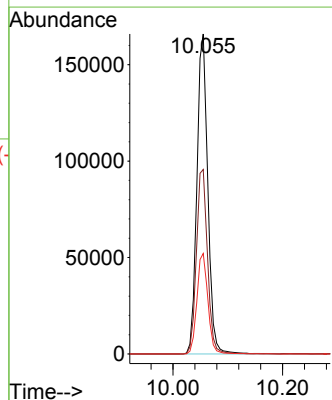
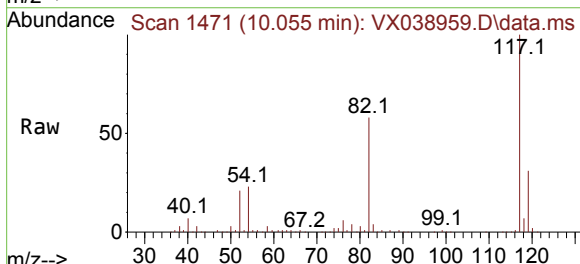
Instrument :  
MSVOA\_X  
ClientSampleId :

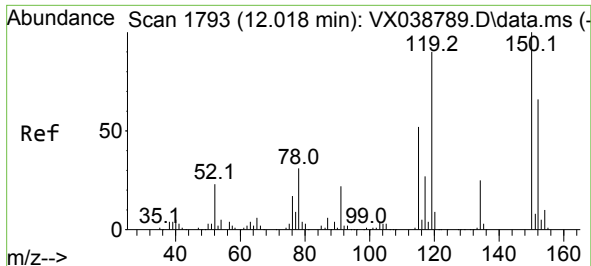
Tgt Ion: 95 Resp: 120728  
Ion Ratio Lower Upper  
95 100  
174 67.0 0.0 135.6  
176 64.6 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX038959.D  
Acq: 20 Nov 2023 15:28

Tgt Ion: 117 Resp: 230409  
Ion Ratio Lower Upper  
117 100  
82 57.7 46.2 69.4  
119 31.4 25.5 38.3

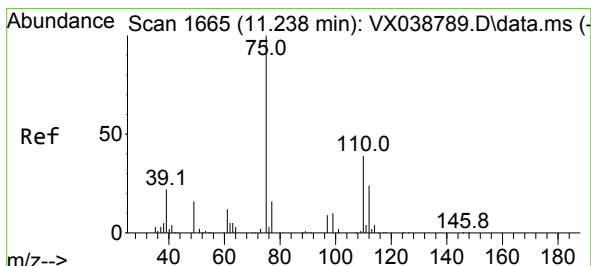
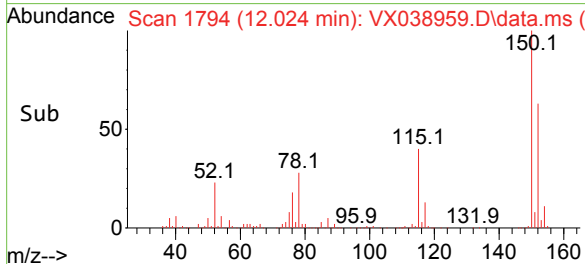
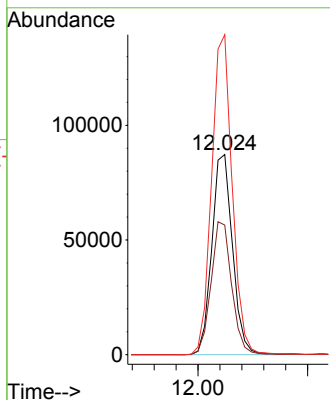
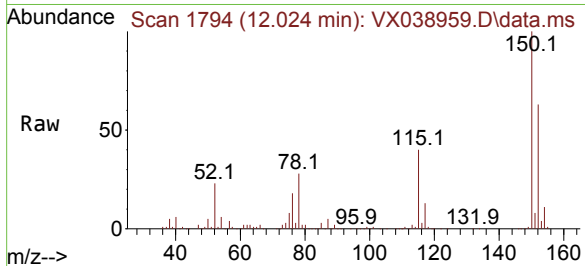




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VX038959.D  
 Acq: 20 Nov 2023 15:28

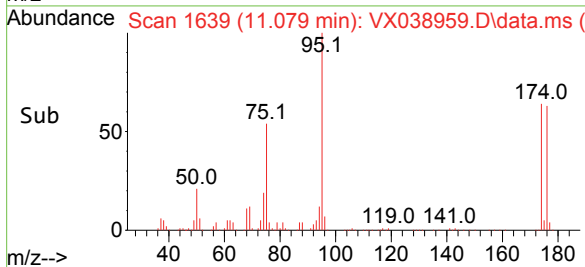
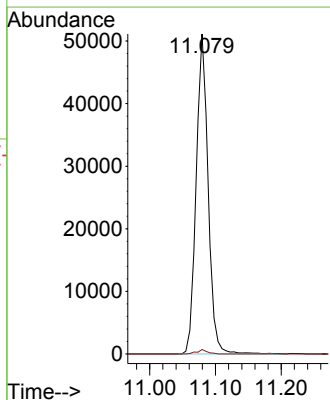
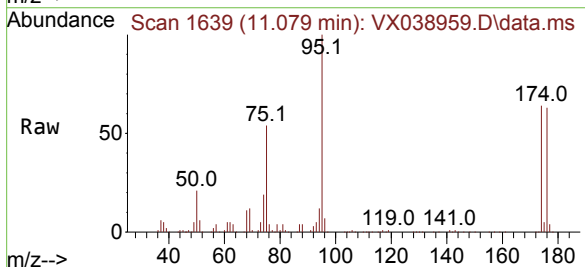
Instrument :  
 MSVOA\_X  
 ClientSampleId :

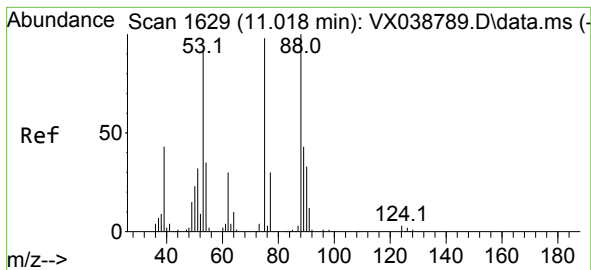
Tgt Ion:152 Resp: 114513  
 Ion Ratio Lower Upper  
 152 100  
 115 66.1 43.3 129.9  
 150 159.0 0.0 345.0



#76  
 1,2,3-Trichloropropane  
 Concen: 22.496 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.158 min  
 Lab File: VX038959.D  
 Acq: 20 Nov 2023 15:28

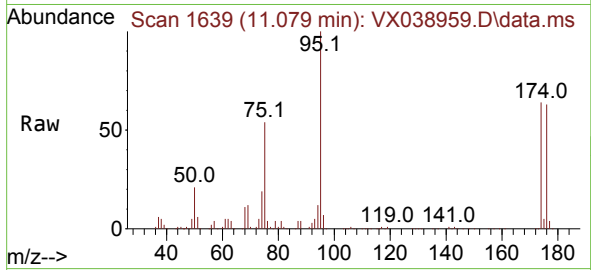
Tgt Ion: 75 Resp: 64273  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 19.1 57.5#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 49.899 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX038959.D  
Acq: 20 Nov 2023 15:28

Instrument :  
MSVOA\_X  
ClientSampleId :



Tgt Ion: 75 Resp: 64273  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#

