

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111623\  
 Data File : VX038858.D  
 Acq On : 16 Nov 2023 23:13  
 Operator : JC/MD  
 Sample : 05403-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 17 03:22:13 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

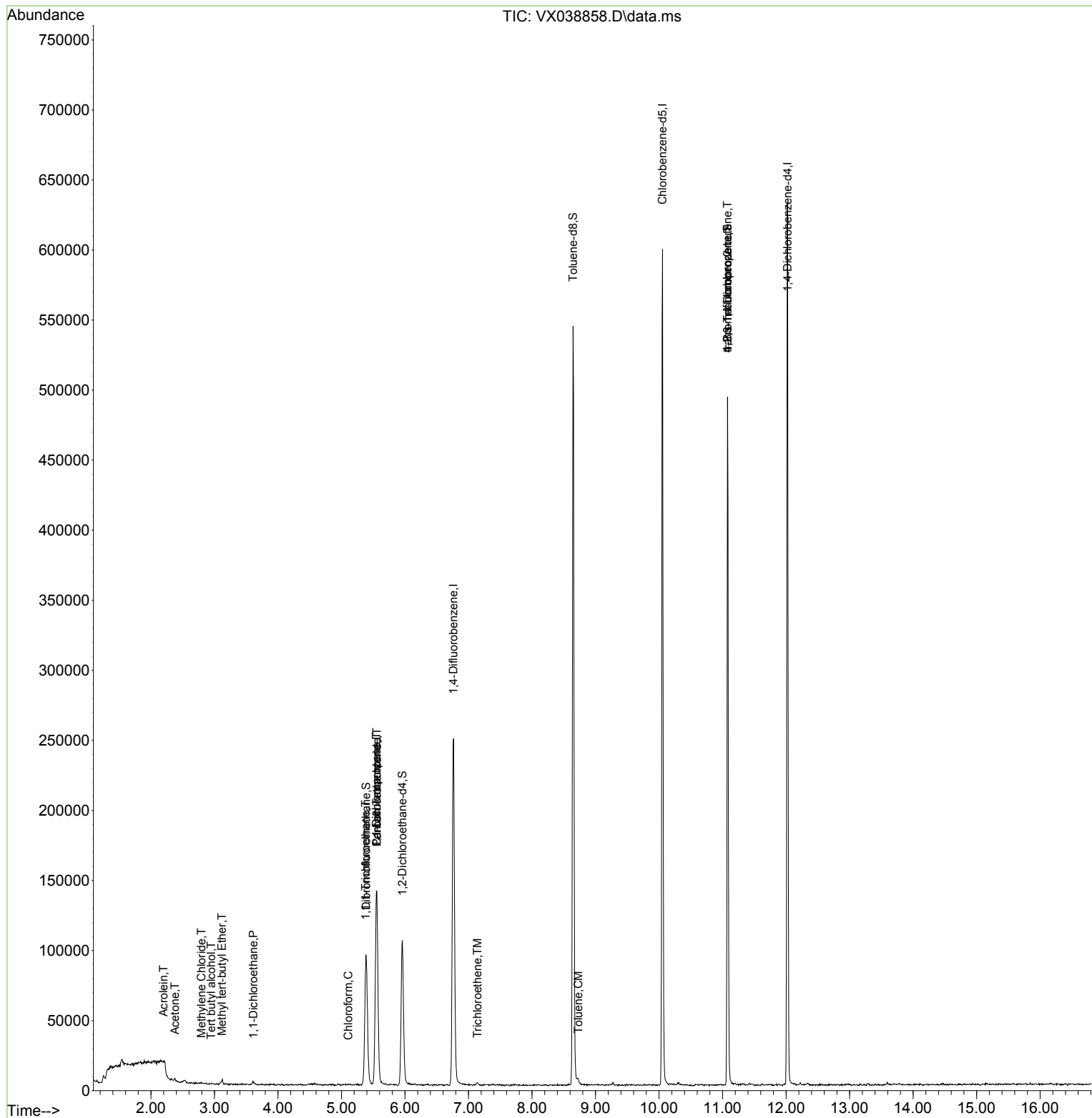
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 126891   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 255183   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 261509   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 131142   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 94253    | 46.097   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 92.200%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 82271    | 44.640   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 89.280%  |
| 50) Toluene-d8                | 8.647  | 98    | 329600   | 46.743   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 93.480%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 138593   | 49.099   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 98.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol        | 2.947  | 59    | 410      | 0.721    | ug/l # | 5        |
| 13) Acrolein                  | 2.197  | 56    | 797      | 2.649    | ug/l # | 1        |
| 16) Acetone                   | 2.380  | 43    | 1673     | 1.537    | ug/l # | 79       |
| 19) Methyl tert-butyl Ether   | 3.117  | 73    | 2824     | 0.508    | ug/l   | 95       |
| 20) Methylene Chloride        | 2.794  | 84    | 680      | 0.347    | ug/l # | 51       |
| 24) 1,1-Dichloroethane        | 3.611  | 63    | 1935     | 0.596    | ug/l # | 69       |
| 30) Chloroform                | 5.105  | 83    | 1281     | 0.404    | ug/l   | 89       |
| 32) 1,1,1-Trichloroethane     | 5.379  | 97    | 1252     | 0.456    | ug/l # | 39       |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 11487    | 4.349    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 14036    | 5.749    | ug/l # | 15       |
| 44) Trichloroethene           | 7.141  | 130   | 612      | 0.322    | ug/l   | 71       |
| 52) Toluene                   | 8.726  | 92    | 1298     | 0.268    | ug/l   | 80       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 70777    | 21.631   | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 70777    | 47.980   | ug/l # | 5        |
| -----                         |        |       |          |          |        |          |

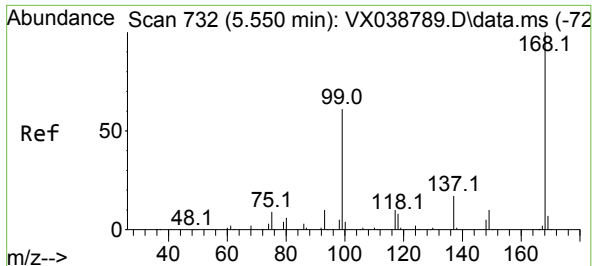
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111623\  
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ClientSampleId :

Quant Time: Nov 17 03:22:13 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

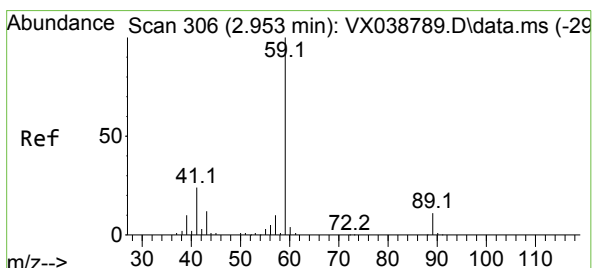
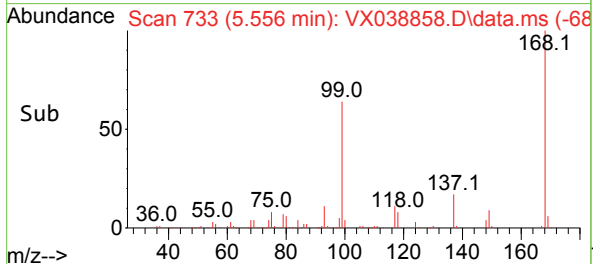
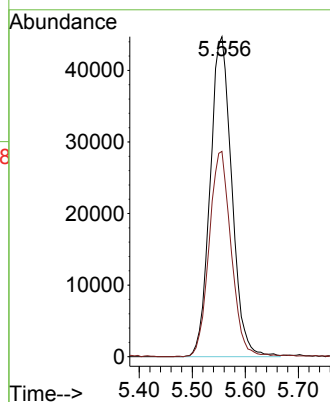
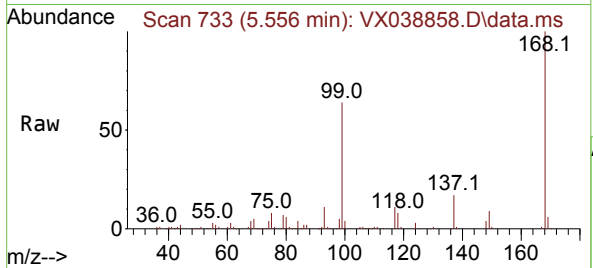




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX038858.D  
Acq: 16 Nov 2023 23:13

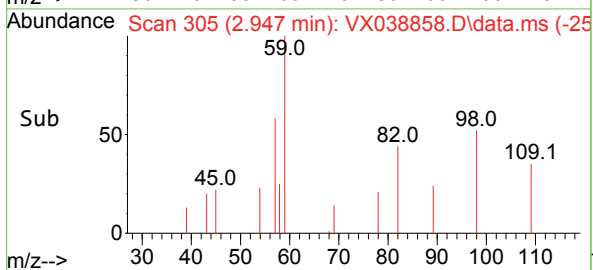
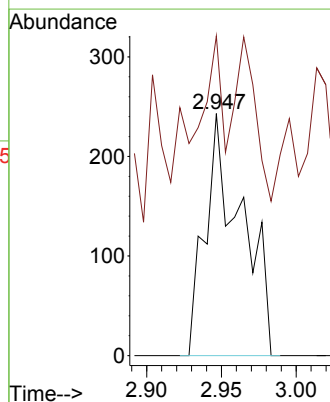
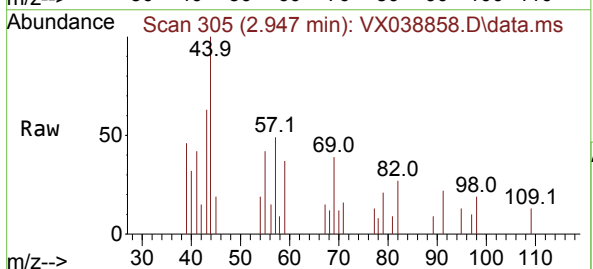
Instrument :  
MSVOA\_X  
ClientSampleId :

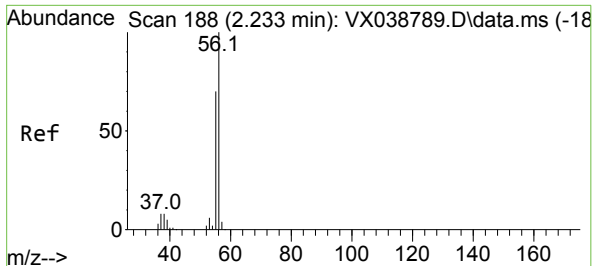
Tgt Ion:168 Resp: 126891  
Ion Ratio Lower Upper  
168 100  
99 64.0 56.6 85.0



#11  
Tert butyl alcohol  
Concen: 0.721 ug/l  
RT: 2.947 min Scan# 305  
Delta R.T. -0.006 min  
Lab File: VX038858.D  
Acq: 16 Nov 2023 23:13

Tgt Ion: 59 Resp: 410  
Ion Ratio Lower Upper  
59 100  
57 40.7 6.0 9.0#

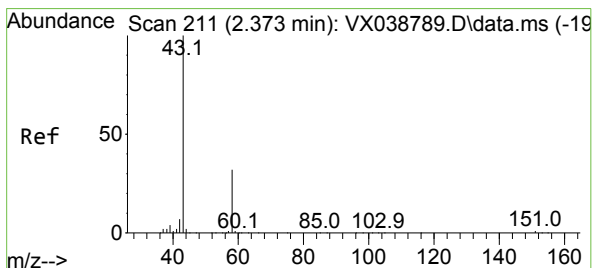
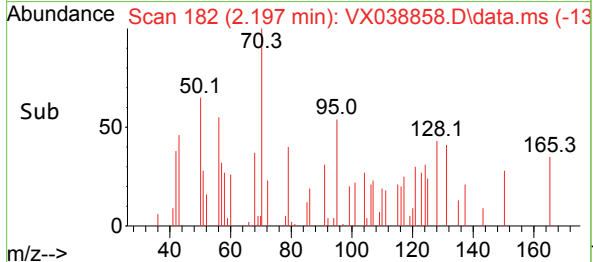
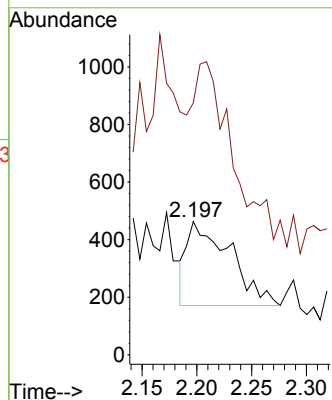
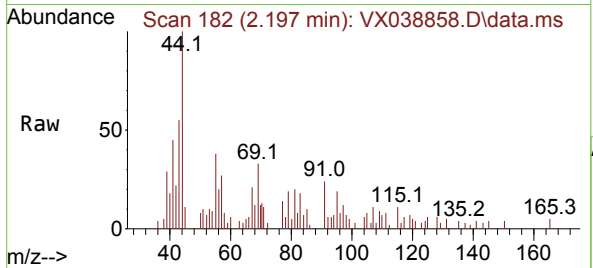




#13  
Acrolein  
Concen: 2.649 ug/l  
RT: 2.197 min Scan# 11  
Delta R.T. -0.037 min  
Lab File: VX038858.D  
Acq: 16 Nov 2023 23:13

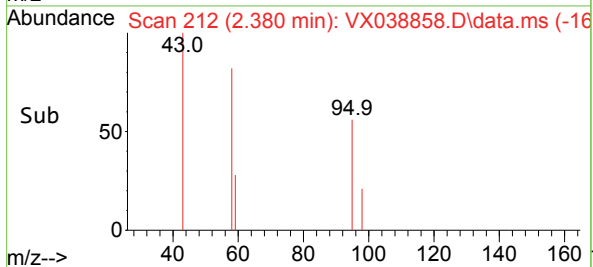
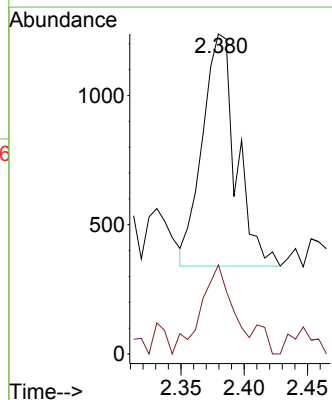
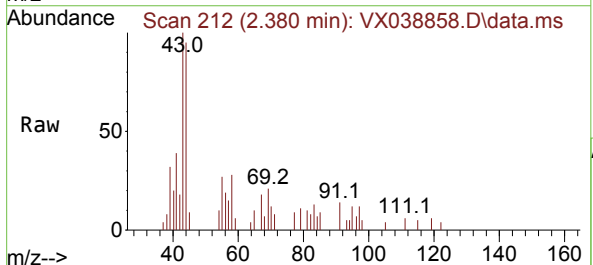
Instrument :  
MSVOA\_X  
ClientSampleId :

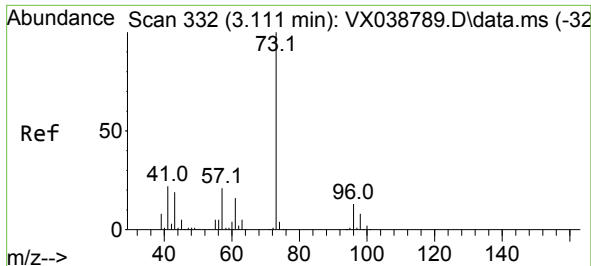
Tgt Ion: 56 Resp: 797  
Ion Ratio Lower Upper  
56 100  
55 204.4 57.1 85.7#



#16  
Acetone  
Concen: 1.537 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. 0.006 min  
Lab File: VX038858.D  
Acq: 16 Nov 2023 23:13

Tgt Ion: 43 Resp: 1673  
Ion Ratio Lower Upper  
43 100  
58 38.4 21.9 32.9#

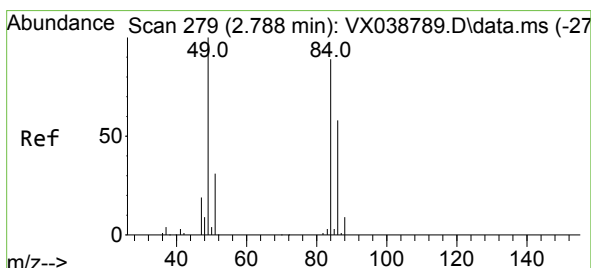
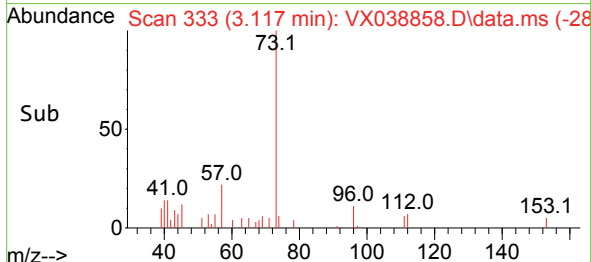
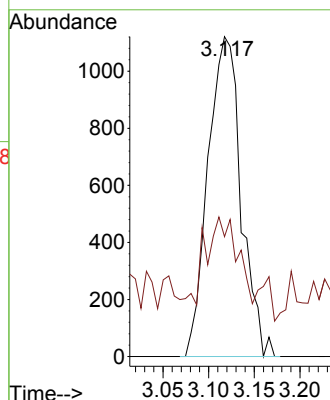
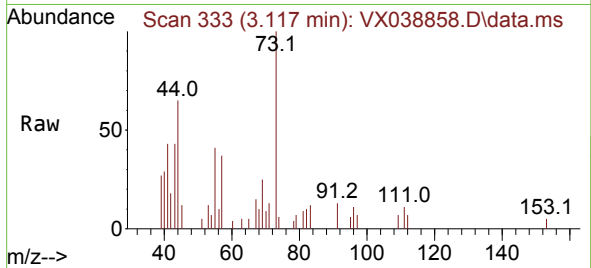




#19  
Methyl tert-butyl Ether  
Concen: 0.508 ug/l  
RT: 3.117 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VX038858.D  
Acq: 16 Nov 2023 23:13

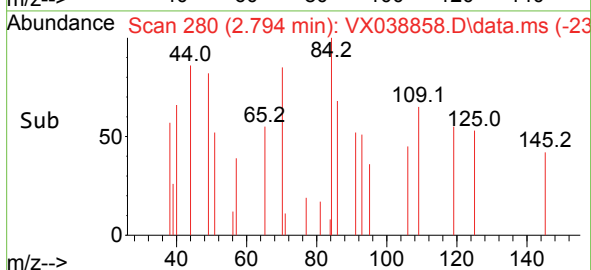
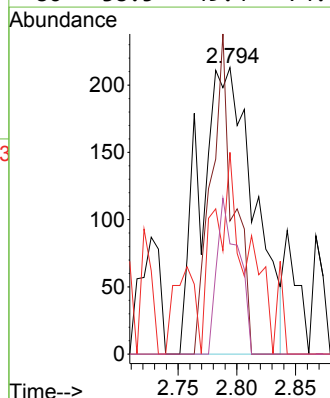
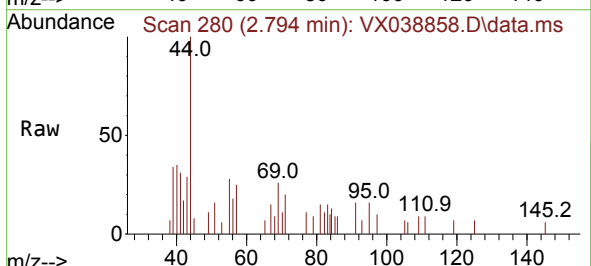
Instrument :  
MSVOA\_X  
ClientSampleId :

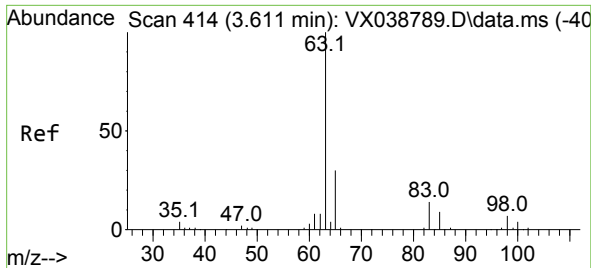
Tgt Ion: 73 Resp: 2824  
Ion Ratio Lower Upper  
73 100  
57 23.8 17.3 25.9



#20  
Methylene Chloride  
Concen: 0.347 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX038858.D  
Acq: 16 Nov 2023 23:13

Tgt Ion: 84 Resp: 680  
Ion Ratio Lower Upper  
84 100  
49 46.5 103.6 155.4#  
51 46.5 33.8 50.6  
86 38.5 49.4 74.0#

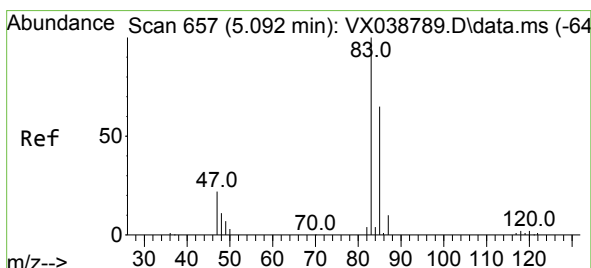
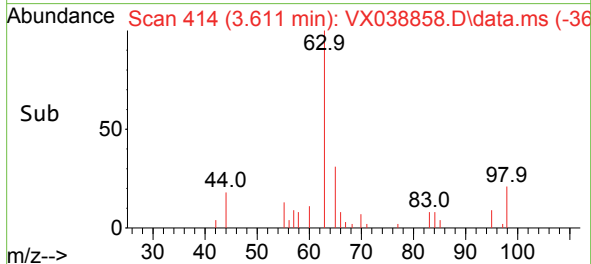
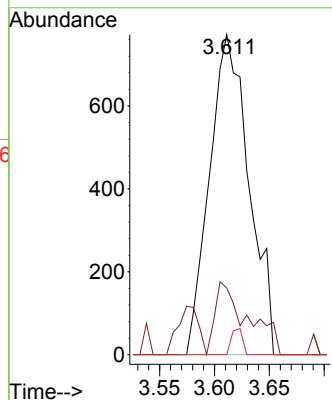
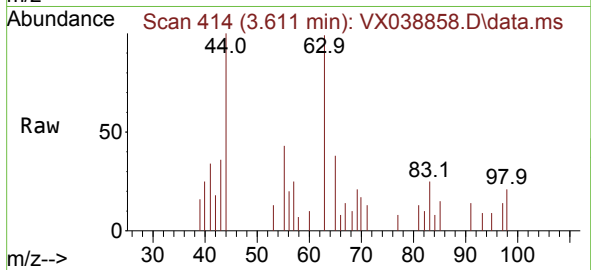




#24  
1,1-Dichloroethane  
Concen: 0.596 ug/l  
RT: 3.611 min Scan# 414  
Delta R.T. 0.000 min  
Lab File: VX038858.D  
Acq: 16 Nov 2023 23:13

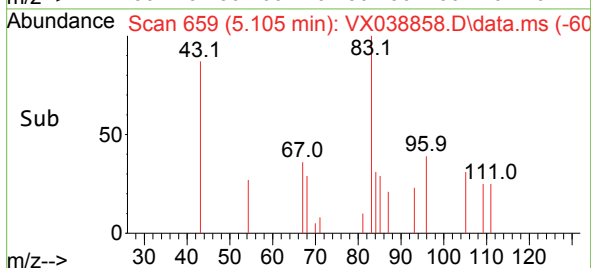
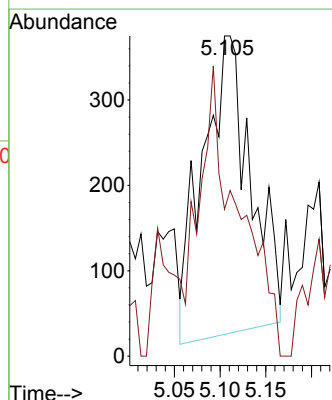
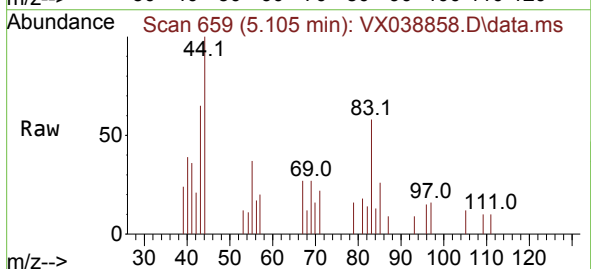
Instrument :  
MSVOA\_X  
ClientSampleId :

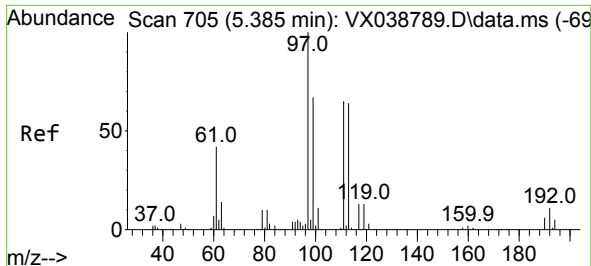
Tgt Ion: 63 Resp: 1935  
Ion Ratio Lower Upper  
63 100  
98 20.9 3.3 9.8#  
100 0.0 2.1 6.5#



#30  
Chloroform  
Concen: 0.404 ug/l  
RT: 5.105 min Scan# 659  
Delta R.T. 0.012 min  
Lab File: VX038858.D  
Acq: 16 Nov 2023 23:13

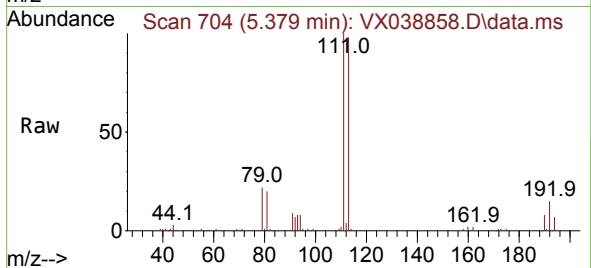
Tgt Ion: 83 Resp: 1281  
Ion Ratio Lower Upper  
83 100  
85 54.6 50.3 75.5



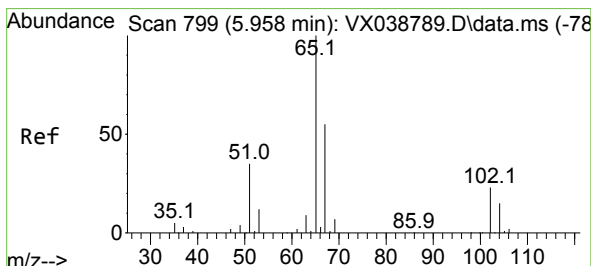
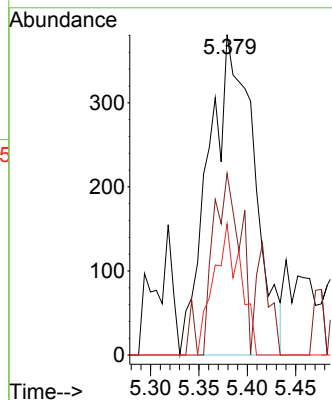
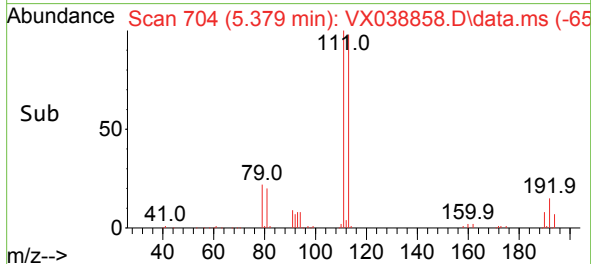


#32  
 1,1,1-Trichloroethane  
 Concen: 0.456 ug/l  
 RT: 5.379 min Scan# 705  
 Delta R.T. -0.006 min  
 Lab File: VX038858.D  
 Acq: 16 Nov 2023 23:13

Instrument :  
 MSVOA\_X  
 ClientSampleId :

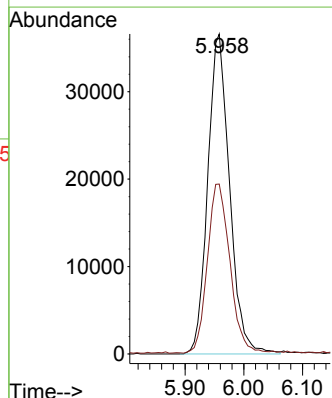
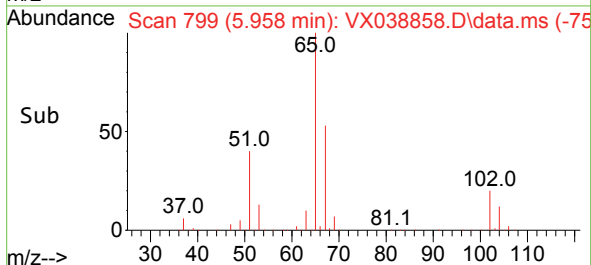
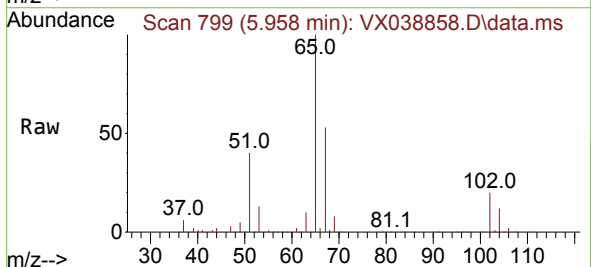


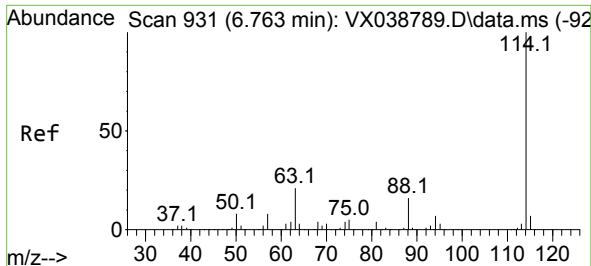
Tgt Ion: 97 Resp: 1252  
 Ion Ratio Lower Upper  
 97 100  
 99 0.0 51.1 76.7#  
 61 24.1 36.4 54.6#



#33  
 1,2-Dichloroethane-d4  
 Concen: 46.097 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. 0.000 min  
 Lab File: VX038858.D  
 Acq: 16 Nov 2023 23:13

Tgt Ion: 65 Resp: 94253  
 Ion Ratio Lower Upper  
 65 100  
 67 54.4 0.0 100.2

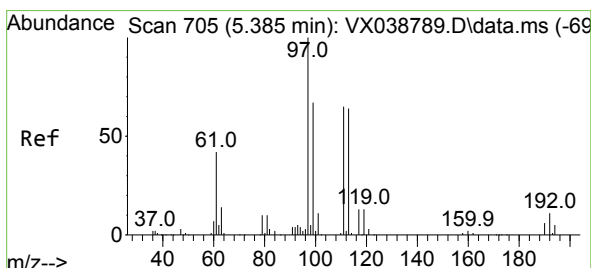
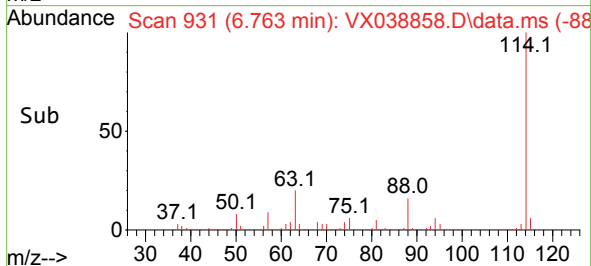
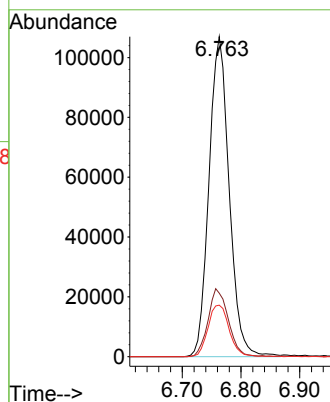
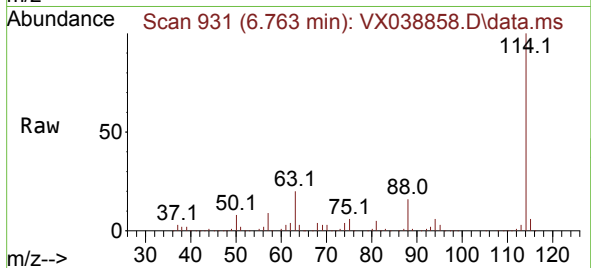




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VX038858.D  
Acq: 16 Nov 2023 23:13

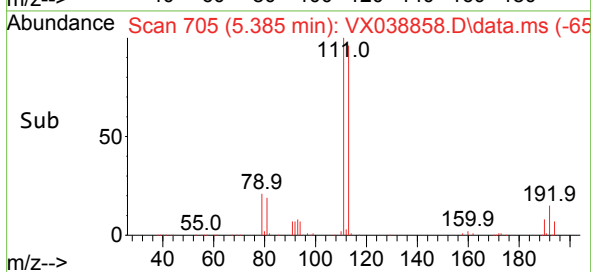
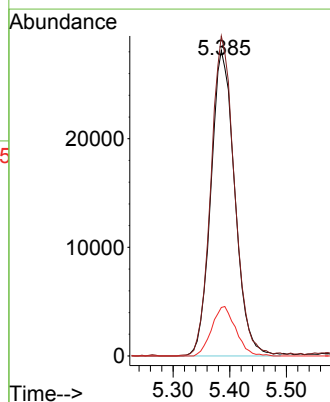
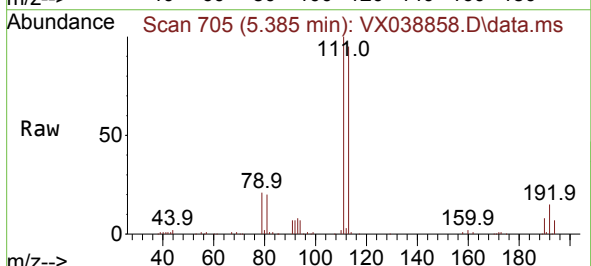
Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion:114 Resp: 255183  
Ion Ratio Lower Upper  
114 100  
63 19.9 0.0 45.0  
88 16.1 0.0 36.6

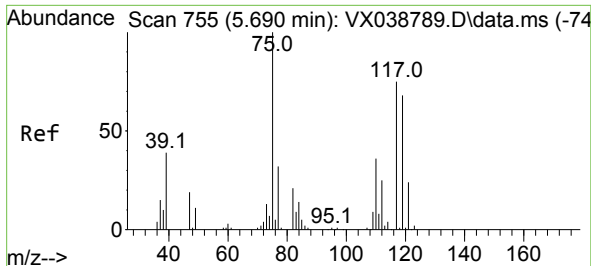


#35  
Dibromofluoromethane  
Concen: 44.640 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX038858.D  
Acq: 16 Nov 2023 23:13

Tgt Ion:113 Resp: 82271  
Ion Ratio Lower Upper  
113 100  
111 103.5 82.9 124.3  
192 16.3 13.3 19.9



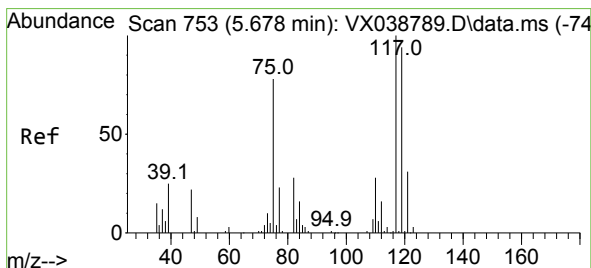
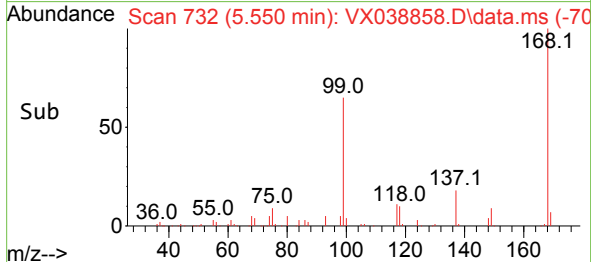
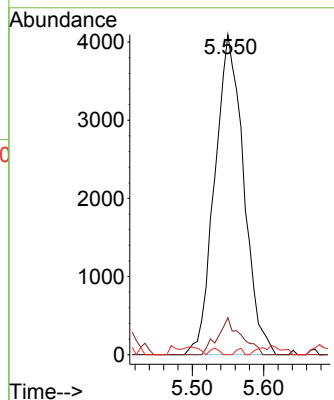
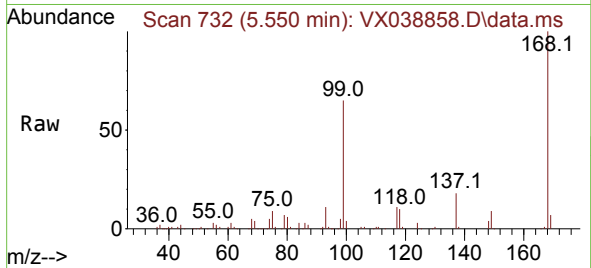




#36  
 1,1-Dichloropropene  
 Concen: 4.349 ug/l  
 RT: 5.550 min Scan# 714  
 Delta R.T. -0.140 min  
 Lab File: VX038858.D  
 Acq: 16 Nov 2023 23:13

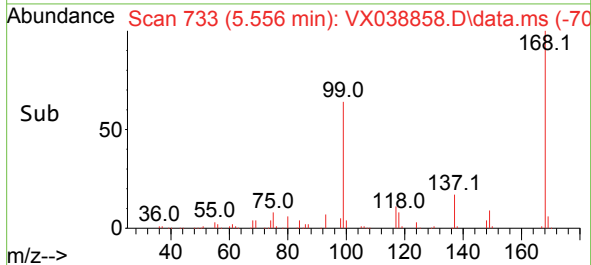
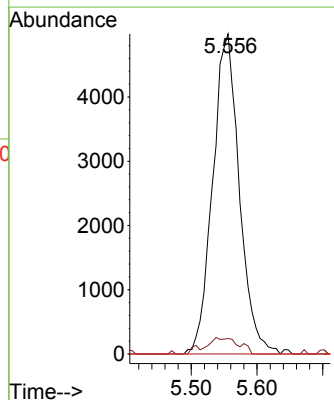
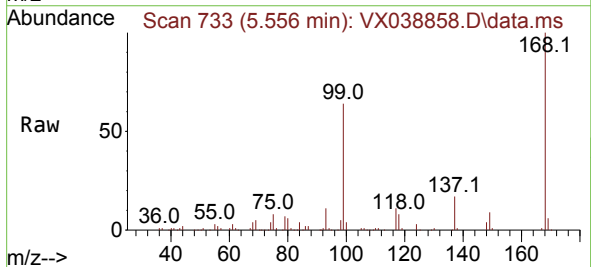
Instrument :  
 MSVOA\_X  
 ClientSampleId :

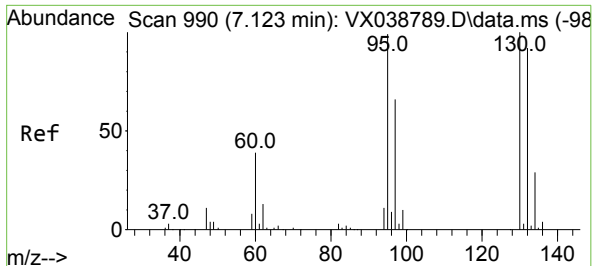
Tgt Ion: 75 Resp: 11487  
 Ion Ratio Lower Upper  
 75 100  
 110 9.3 17.0 50.9#  
 77 0.4 24.7 37.1#



#38  
 Carbon Tetrachloride  
 Concen: 5.749 ug/l  
 RT: 5.556 min Scan# 733  
 Delta R.T. -0.122 min  
 Lab File: VX038858.D  
 Acq: 16 Nov 2023 23:13

Tgt Ion: 117 Resp: 14036  
 Ion Ratio Lower Upper  
 117 100  
 119 4.8 78.2 117.2#  
 121 0.0 24.4 36.6#

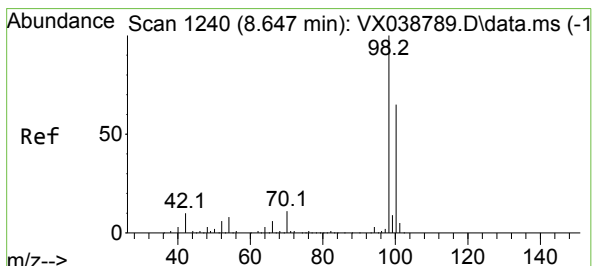
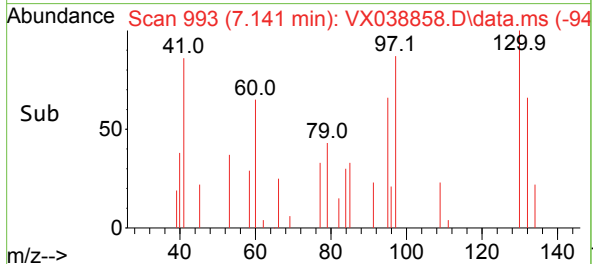
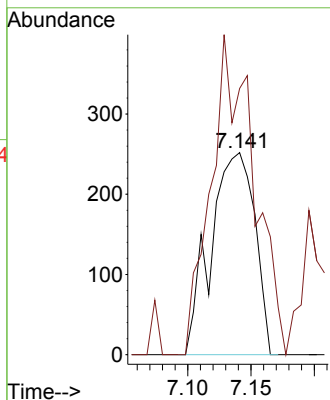
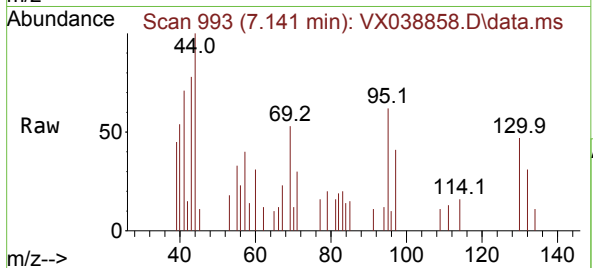




#44  
Trichloroethene  
Concen: 0.322 ug/l  
RT: 7.141 min Scan# 990  
Delta R.T. 0.018 min  
Lab File: VX038858.D  
Acq: 16 Nov 2023 23:13

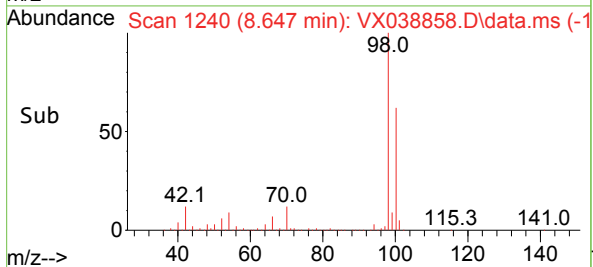
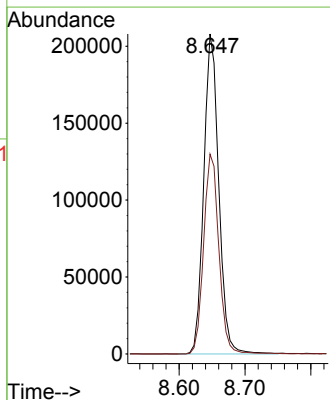
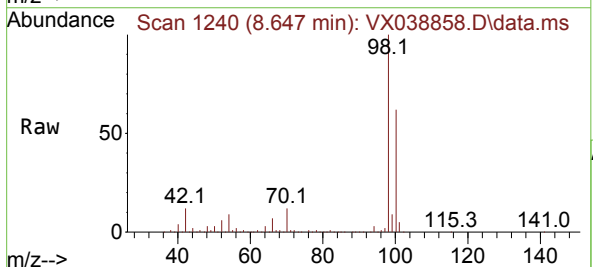
Instrument :  
MSVOA\_X  
ClientSampleId :

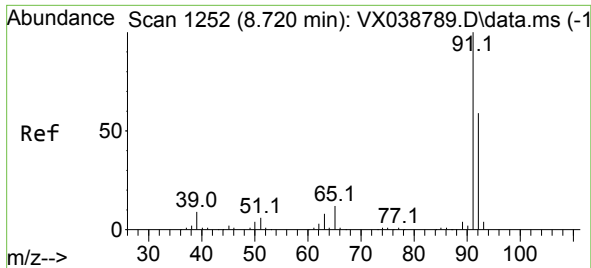
Tgt Ion:130 Resp: 612  
Ion Ratio Lower Upper  
130 100  
95 131.7 0.0 204.4



#50  
Toluene-d8  
Concen: 46.743 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX038858.D  
Acq: 16 Nov 2023 23:13

Tgt Ion: 98 Resp: 329600  
Ion Ratio Lower Upper  
98 100  
100 63.6 53.1 79.7

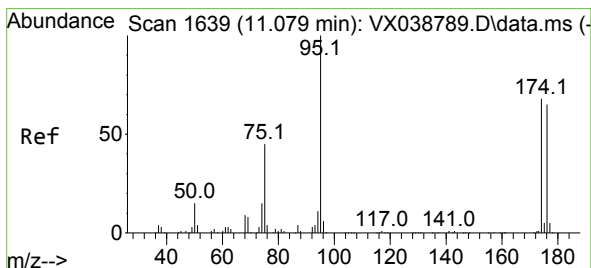
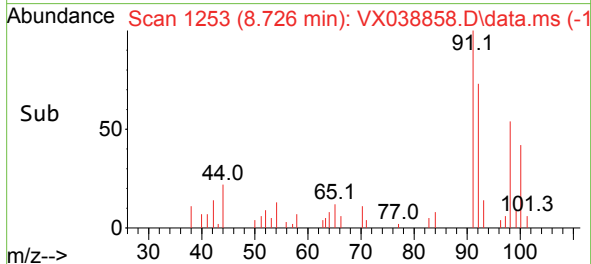
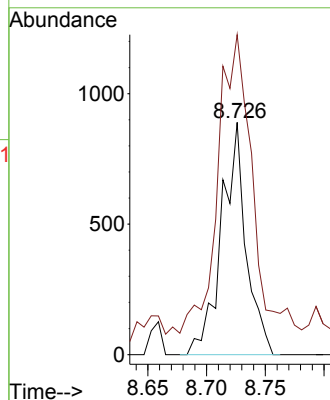
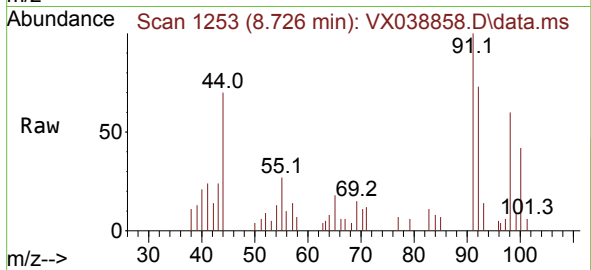




#52  
Toluene  
Concen: 0.268 ug/l  
RT: 8.726 min Scan# 1253  
Delta R.T. 0.006 min  
Lab File: VX038858.D  
Acq: 16 Nov 2023 23:13

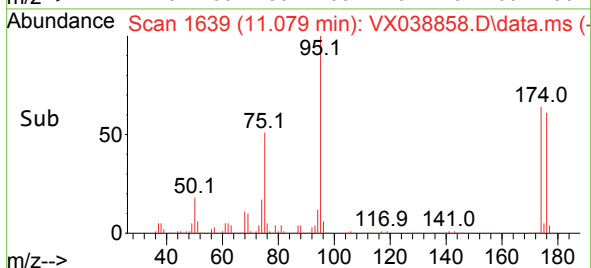
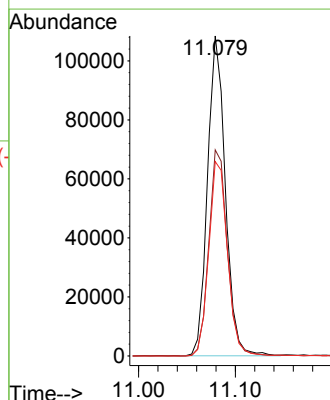
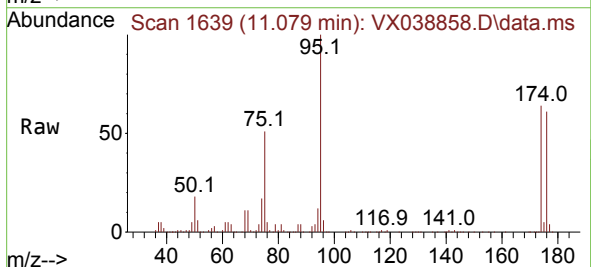
Instrument :  
MSVOA\_X  
ClientSampleId :

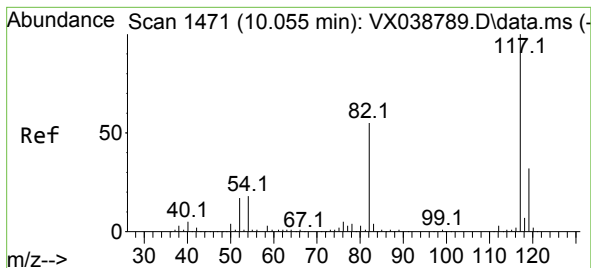
Tgt Ion: 92 Resp: 1298  
Ion Ratio Lower Upper  
92 100  
91 194.6 134.2 201.2



#62  
4-Bromofluorobenzene  
Concen: 49.099 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX038858.D  
Acq: 16 Nov 2023 23:13

Tgt Ion: 95 Resp: 138593  
Ion Ratio Lower Upper  
95 100  
174 67.1 0.0 135.6  
176 63.9 0.0 131.0

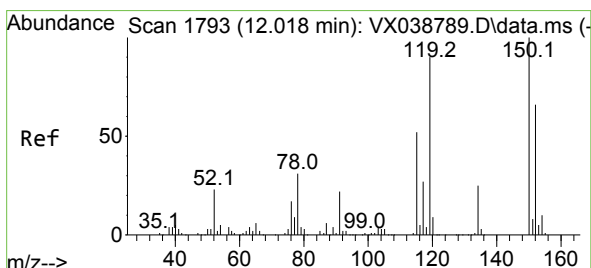
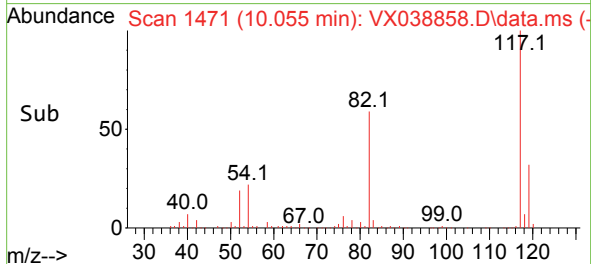
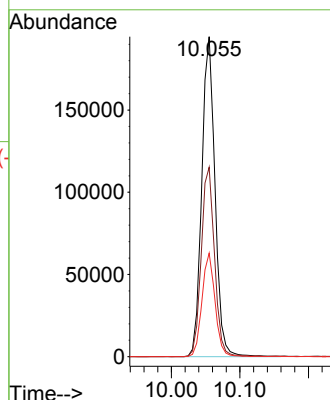
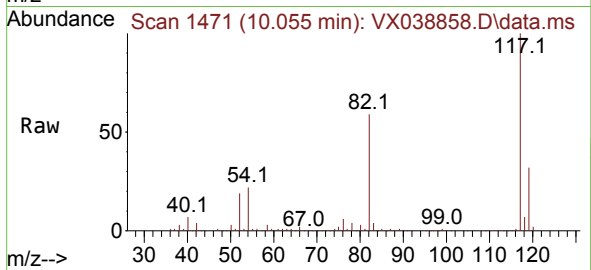




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX038858.D  
Acq: 16 Nov 2023 23:13

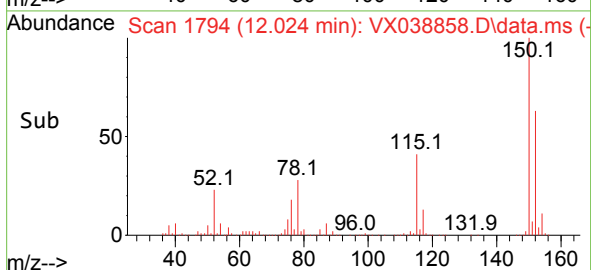
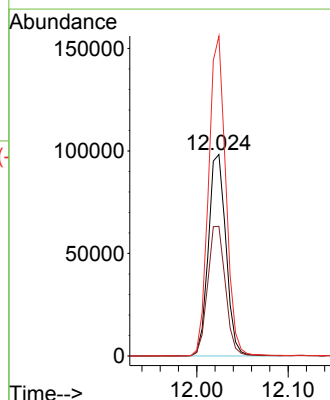
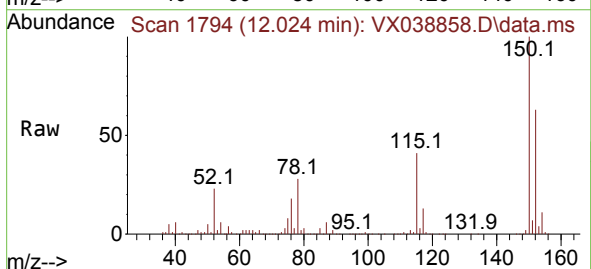
Instrument :  
MSVOA\_X  
ClientSampleId :

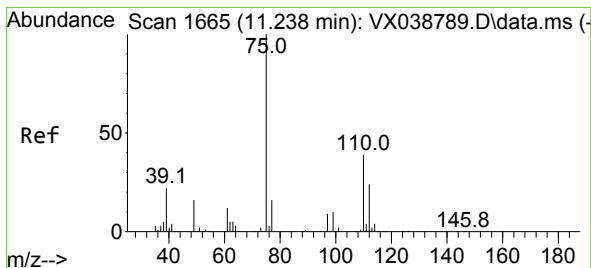
Tgt Ion:117 Resp: 261509  
Ion Ratio Lower Upper  
117 100  
82 59.1 46.2 69.4  
119 32.4 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.006 min  
Lab File: VX038858.D  
Acq: 16 Nov 2023 23:13

Tgt Ion:152 Resp: 131142  
Ion Ratio Lower Upper  
152 100  
115 65.3 43.3 129.9  
150 155.5 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 21.631 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038858.D

Acq: 16 Nov 2023 23:13

Instrument :

MSVOA\_X

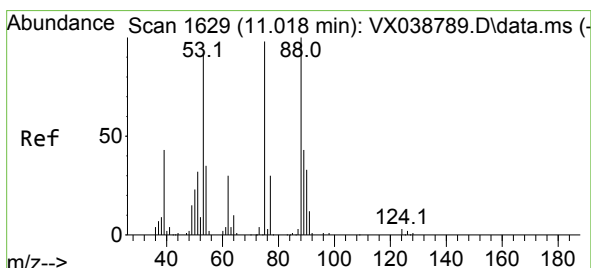
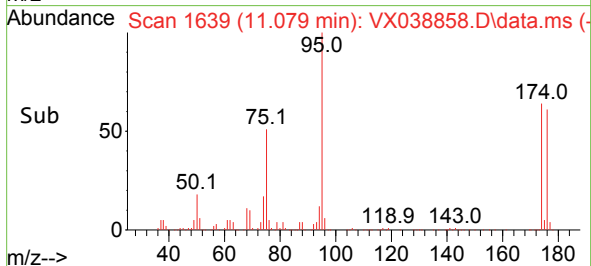
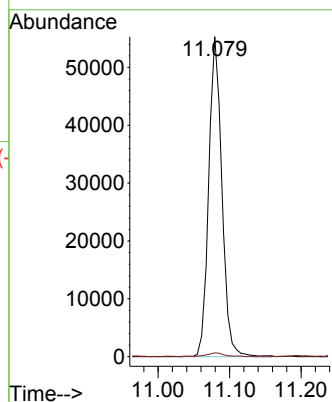
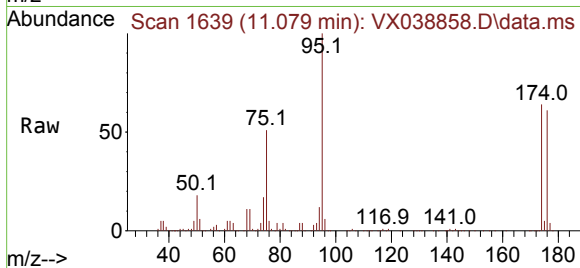
ClientSampleId :

Tgt Ion: 75 Resp: 70777

Ion Ratio Lower Upper

75 100

77 1.7 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 47.980 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038858.D

Acq: 16 Nov 2023 23:13

Tgt Ion: 75 Resp: 70777

Ion Ratio Lower Upper

75 100

53 0.2 90.5 135.7#

89 0.2 36.9 55.3#

