

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091823\  
 Data File : VX037774.D  
 Acq On : 18 Sep 2023 14:07  
 Operator : JC/MD  
 Sample : 04437-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Sep 18 17:56:50 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091523W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 16 04:55:44 2023  
 Response via : Initial Calibration

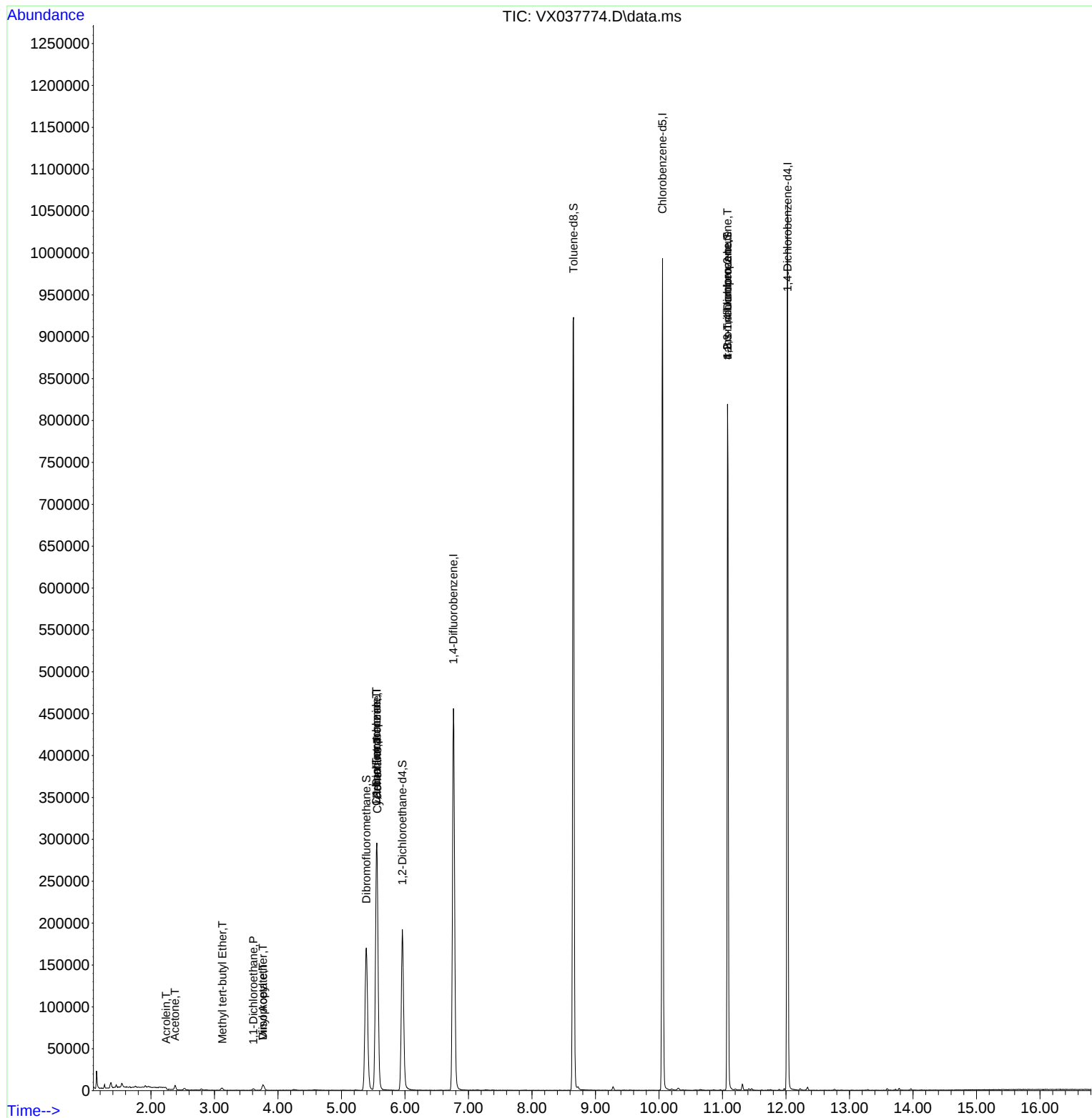
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 291412   | 50.000   | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 482588   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 449374   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 222577   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 175902   | 45.943   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 91.880%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 150394   | 46.576   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 93.160%  |
| 50) Toluene-d8                | 8.653  | 98    | 571640   | 47.645   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 95.300%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 213732   | 49.024   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 98.040%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 13) Acrolein                  | 2.239  | 56    | 285      | 0.351    | ug/l # | 46       |
| 16) Acetone                   | 2.380  | 43    | 6248     | 3.392    | ug/l # | 88       |
| 19) Methyl tert-butyl Ether   | 3.123  | 73    | 2825     | 0.270    | ug/l # | 78       |
| 22) Diisopropyl ether         | 3.764  | 45    | 6714     | 0.681    | ug/l # | 72       |
| 23) Vinyl Acetate             | 3.764  | 43    | 3967     | 0.547    | ug/l # | 73       |
| 24) 1,1-Dichloroethane        | 3.611  | 63    | 2099     | 0.355    | ug/l # | 88       |
| 31) Cyclohexane               | 5.562  | 56    | 5712     | 1.162    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 21538    | 4.842    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 28597    | 6.144    | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 107287   | 20.841   | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 107287   | 66.760   | ug/l # | 5        |
| -----                         |        |       |          |          |        |          |

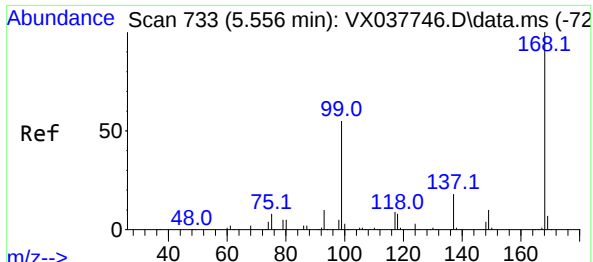
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091823\  
Data File : VX037774.D  
Acq On : 18 Sep 2023 14:07  
Operator : JC/MD  
Sample : 04437-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

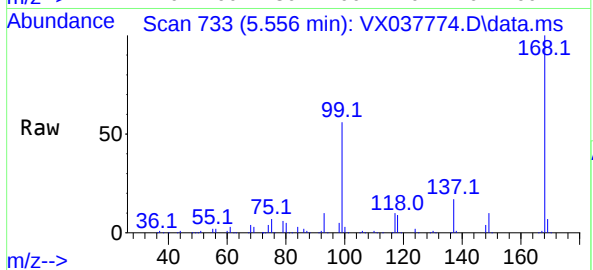
Quant Time: Sep 18 17:56:50 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091523W.M  
Quant Title : SW846 8260  
QLast Update : Sat Sep 16 04:55:44 2023  
Response via : Initial Calibration



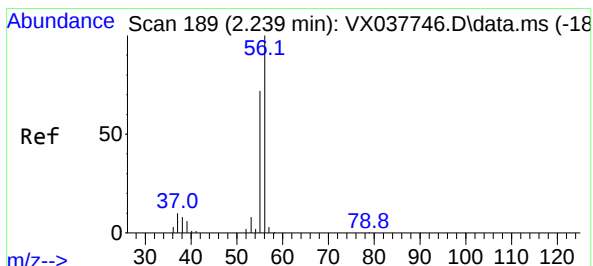
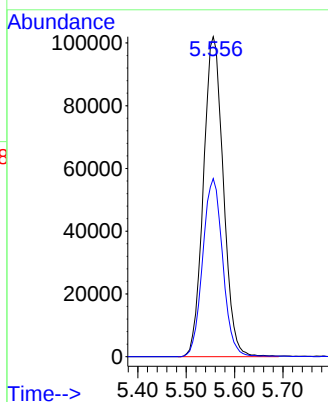
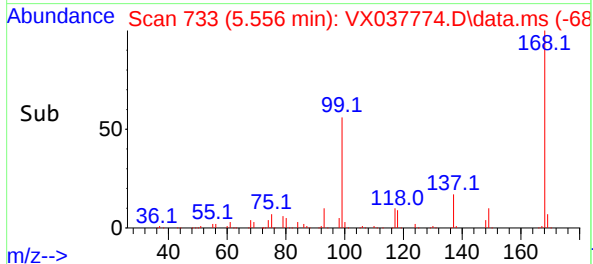


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX037774.D  
Acq: 18 Sep 2023 14:07

Instrument :  
MSVOA\_X  
ClientSampleId :

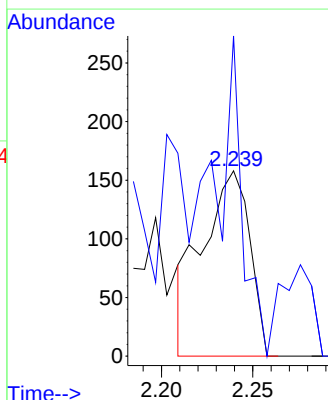
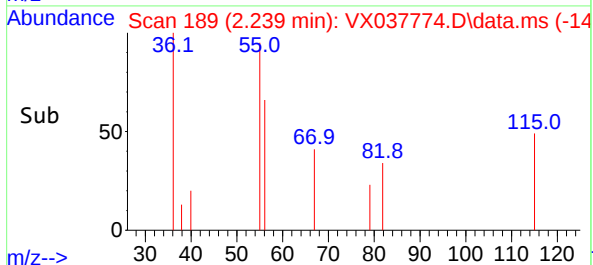
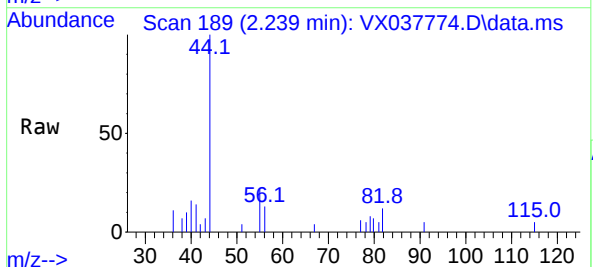


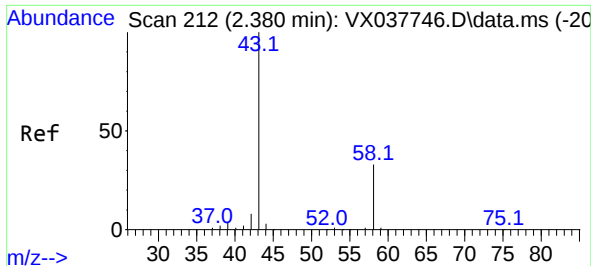
Tgt Ion:168 Resp: 291412  
Ion Ratio Lower Upper  
168 100  
99 55.7 56.6 85.0#



#13  
Acrolein  
Concen: 0.351 ug/l  
RT: 2.239 min Scan# 189  
Delta R.T. 0.000 min  
Lab File: VX037774.D  
Acq: 18 Sep 2023 14:07

Tgt Ion: 56 Resp: 285  
Ion Ratio Lower Upper  
56 100  
55 26.3 57.1 85.7#

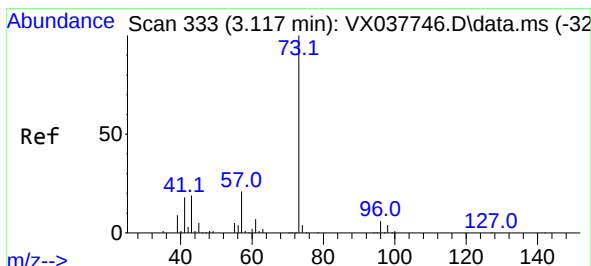
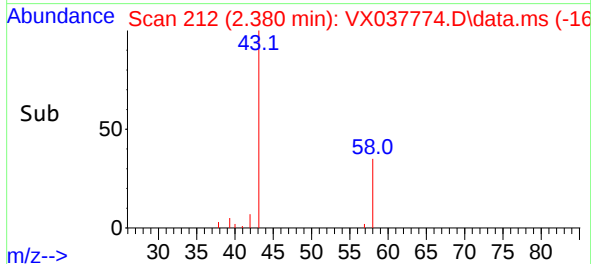
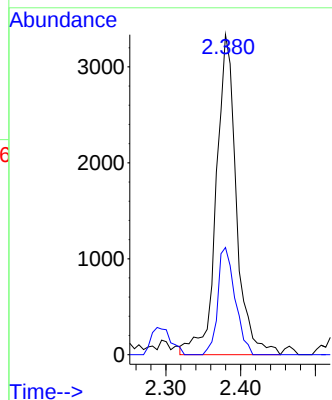
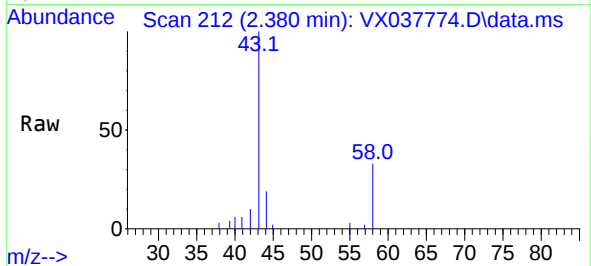




#16  
Acetone  
Concen: 3.392 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. 0.000 min  
Lab File: VX037774.D  
Acq: 18 Sep 2023 14:07

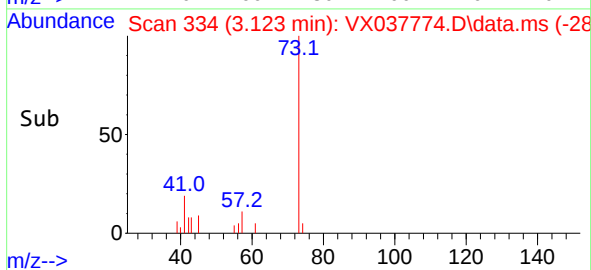
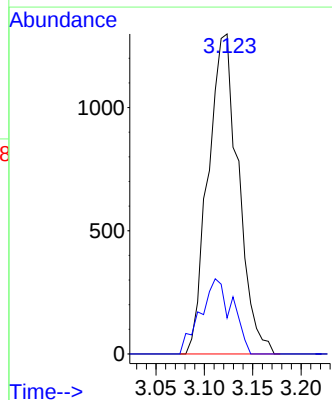
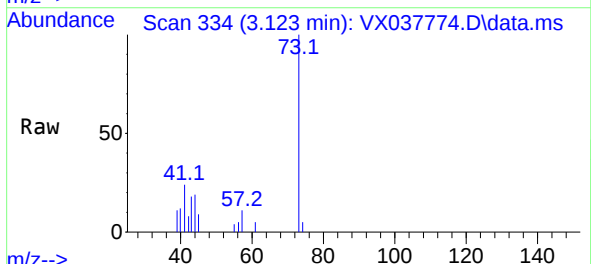
Instrument :  
MSVOA\_X  
ClientSampleId :

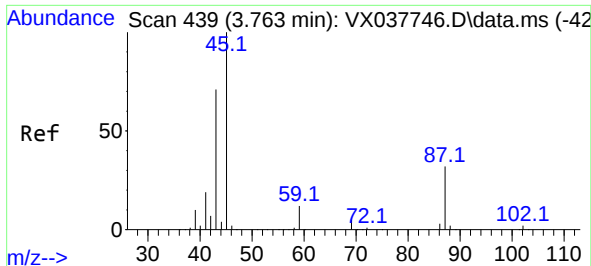
Tgt Ion: 43 Resp: 6248  
Ion Ratio Lower Upper  
43 100  
58 33.5 21.9 32.9#



#19  
Methyl tert-butyl Ether  
Concen: 0.270 ug/l  
RT: 3.123 min Scan# 334  
Delta R.T. 0.000 min  
Lab File: VX037774.D  
Acq: 18 Sep 2023 14:07

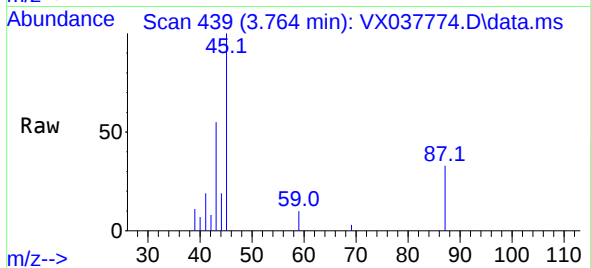
Tgt Ion: 73 Resp: 2825  
Ion Ratio Lower Upper  
73 100  
57 11.2 17.3 25.9#



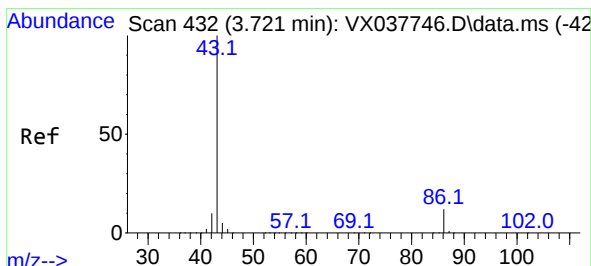
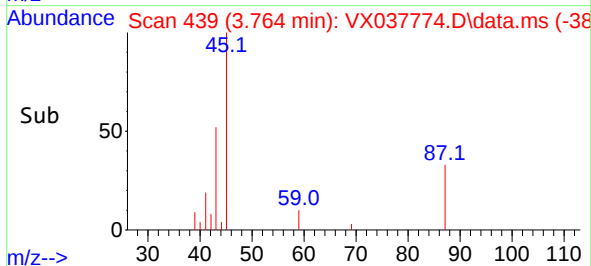
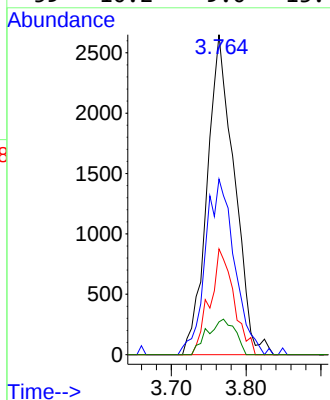


#22  
Diisopropyl ether  
Concen: 0.681 ug/l  
RT: 3.764 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VX037774.D  
Acq: 18 Sep 2023 14:07

Instrument :  
MSVOA\_X  
ClientSampleId :

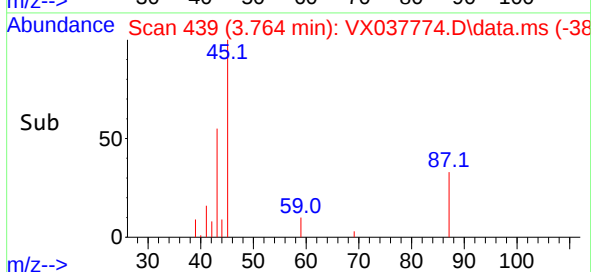
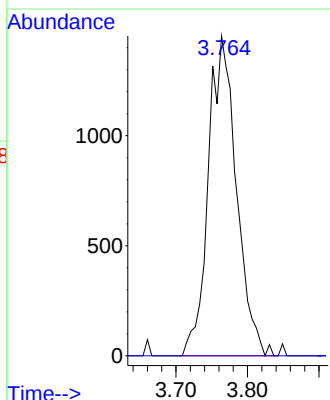
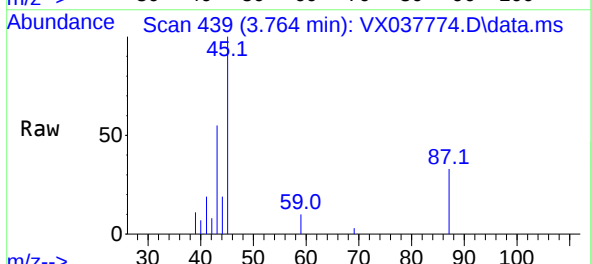


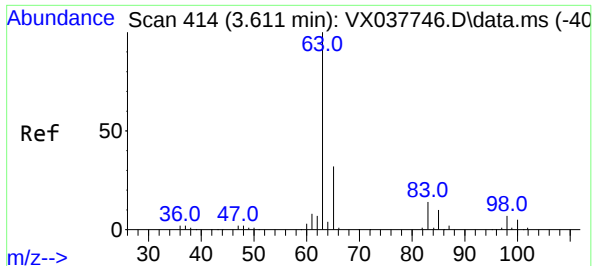
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 6714   |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 54.8  | 69.7  | 104.5# |
| 87       | 33.1  | 20.8  | 31.2#  |
| 59       | 10.2  | 9.0   | 13.4   |



#23  
Vinyl Acetate  
Concen: 0.547 ug/l  
RT: 3.764 min Scan# 439  
Delta R.T. 0.037 min  
Lab File: VX037774.D  
Acq: 18 Sep 2023 14:07

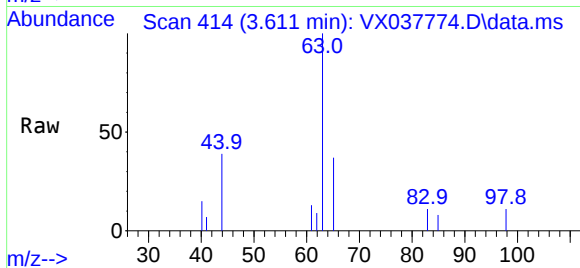
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 3967  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 0.0   | 7.8   | 11.8# |



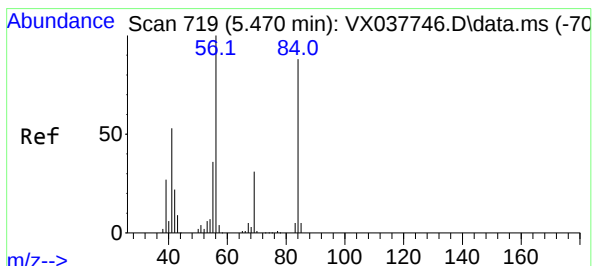
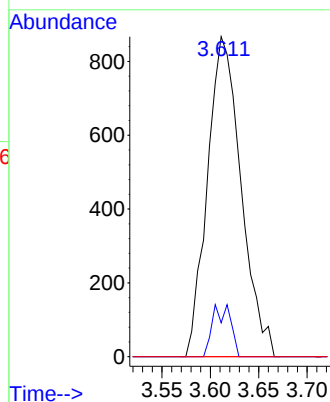
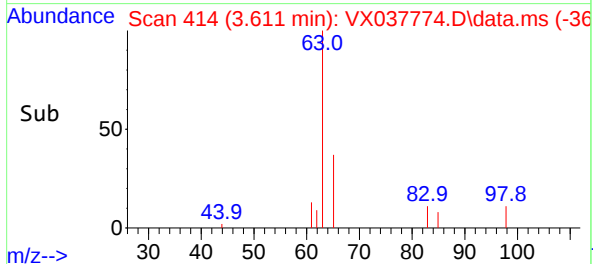


#24  
1,1-Dichloroethane  
Concen: 0.355 ug/l  
RT: 3.611 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VX037774.D  
Acq: 18 Sep 2023 14:07

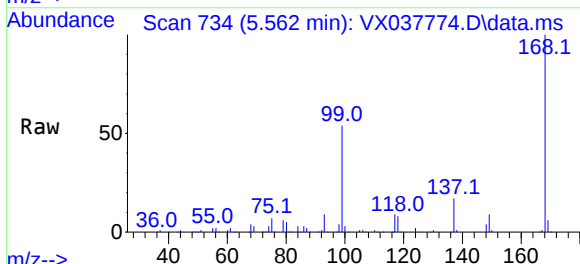
Instrument :  
MSVOA\_X  
ClientSampleId :



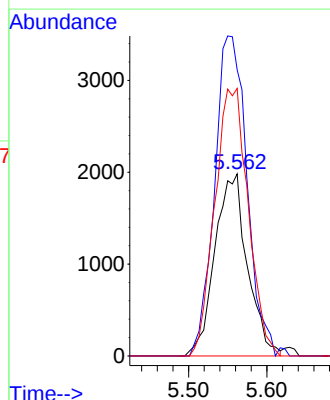
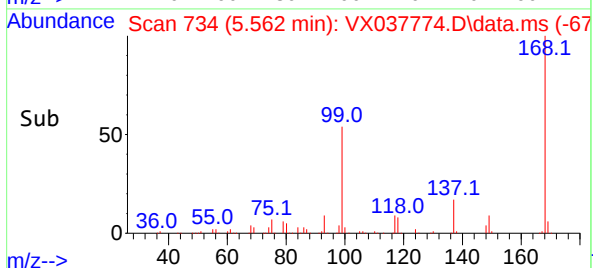
Tgt Ion: 63 Resp: 2099  
Ion Ratio Lower Upper  
63 100  
98 10.6 3.3 9.8#  
100 0.0 2.1 6.5#

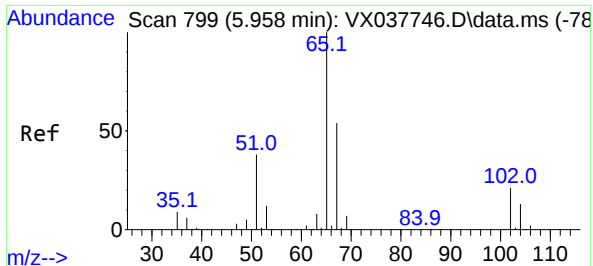


#31  
Cyclohexane  
Concen: 1.162 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.092 min  
Lab File: VX037774.D  
Acq: 18 Sep 2023 14:07



Tgt Ion: 56 Resp: 5712  
Ion Ratio Lower Upper  
56 100  
69 157.2 23.4 35.2#  
84 146.9 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.943 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX037774.D

Acq: 18 Sep 2023 14:07

Instrument :

MSVOA\_X

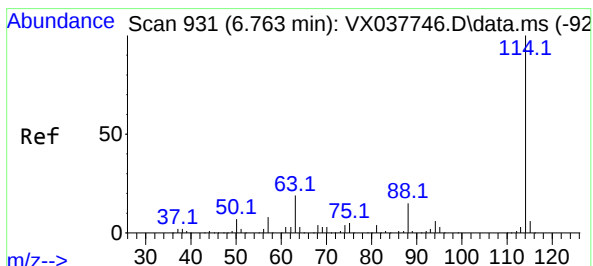
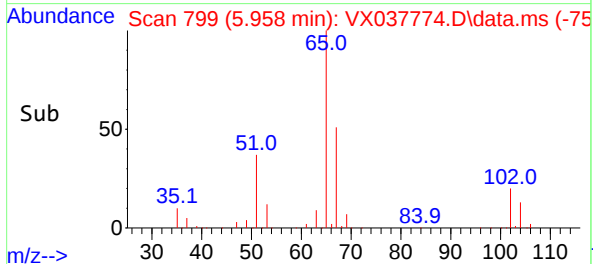
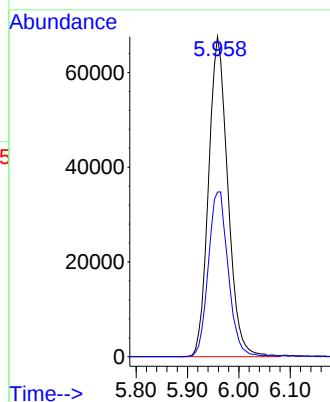
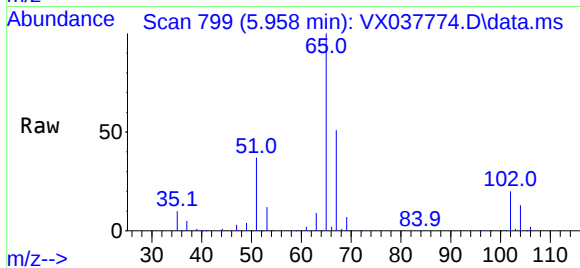
ClientSampleId :

Tgt Ion: 65 Resp: 175902

Ion Ratio Lower Upper

65 100

67 53.2 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: VX037774.D

Acq: 18 Sep 2023 14:07

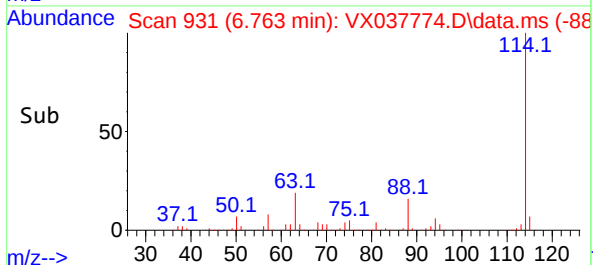
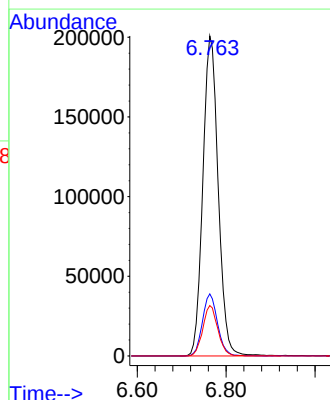
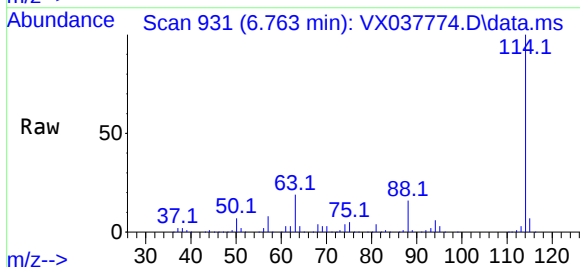
Tgt Ion: 114 Resp: 482588

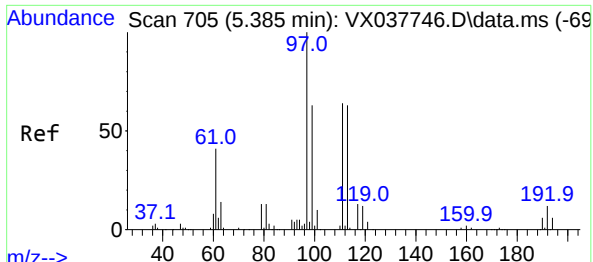
Ion Ratio Lower Upper

114 100

63 19.4 0.0 45.0

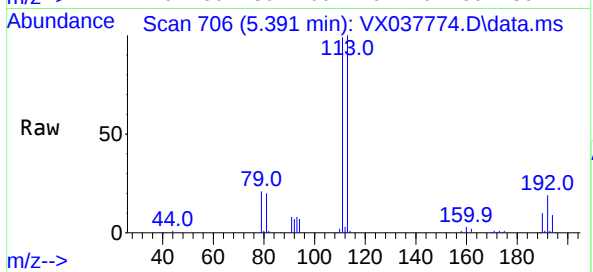
88 15.8 0.0 36.6



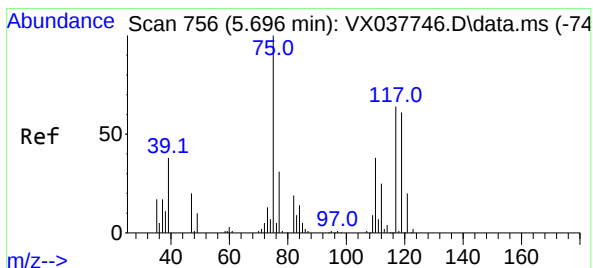
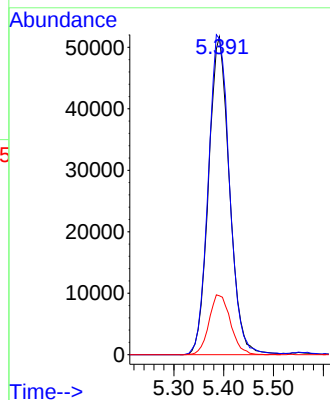
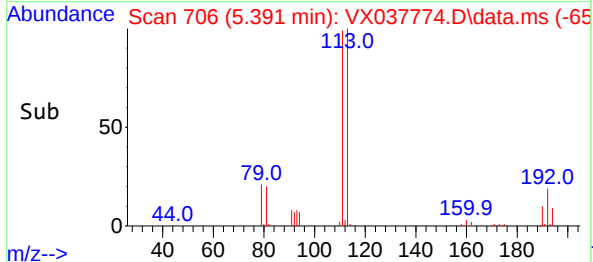


#35  
Dibromofluoromethane  
Concen: 46.576 ug/l  
RT: 5.391 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX037774.D  
Acq: 18 Sep 2023 14:07

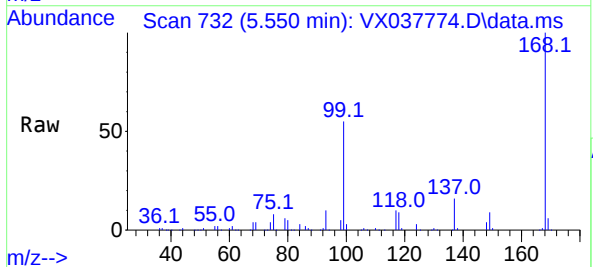
Instrument :  
MSVOA\_X  
ClientSampleId :



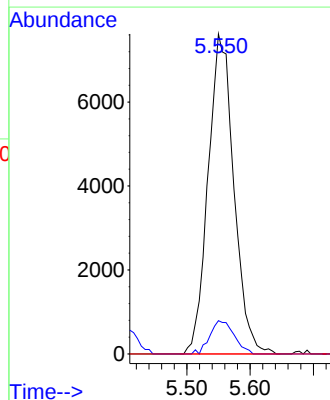
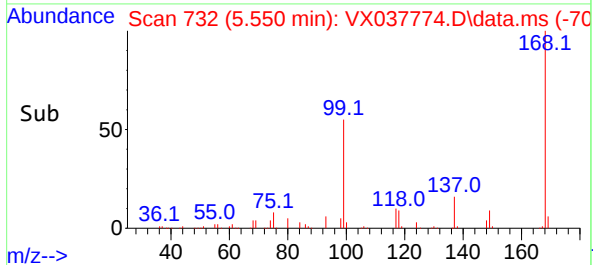
Tgt Ion:113 Resp: 150394  
Ion Ratio Lower Upper  
113 100  
111 102.5 82.9 124.3  
192 19.3 13.3 19.9

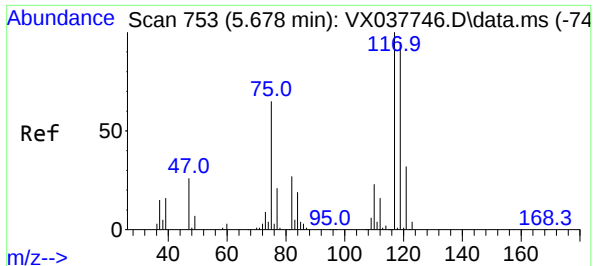


#36  
1,1-Dichloropropene  
Concen: 4.842 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.146 min  
Lab File: VX037774.D  
Acq: 18 Sep 2023 14:07



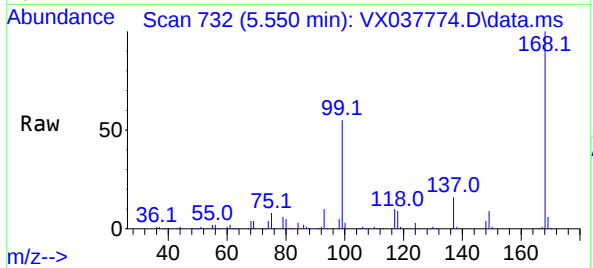
Tgt Ion: 75 Resp: 21538  
Ion Ratio Lower Upper  
75 100  
110 9.8 17.0 50.9#  
77 0.0 24.7 37.1#



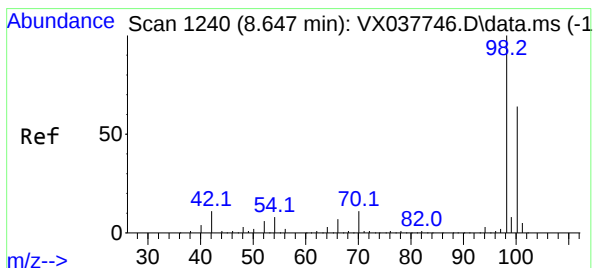
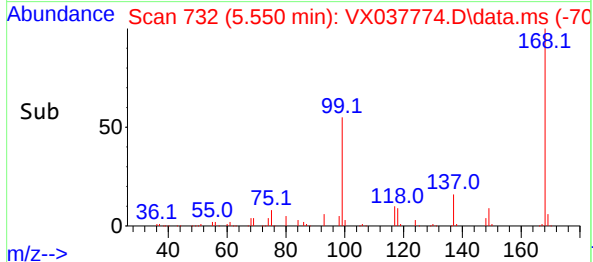
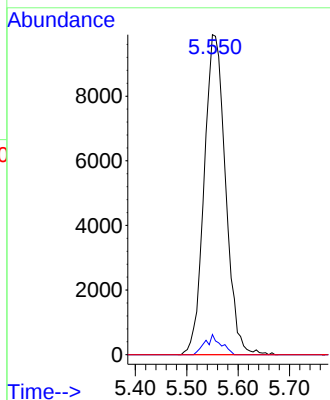


#38  
Carbon Tetrachloride  
Concen: 6.144 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX037774.D  
Acq: 18 Sep 2023 14:07

Instrument :  
MSVOA\_X  
ClientSampleId :

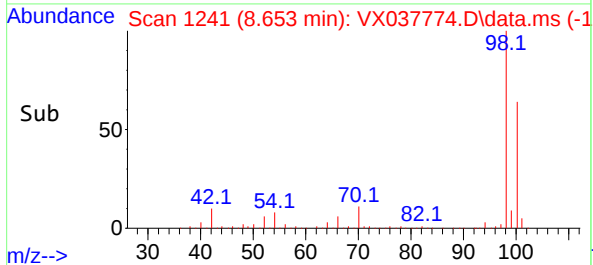
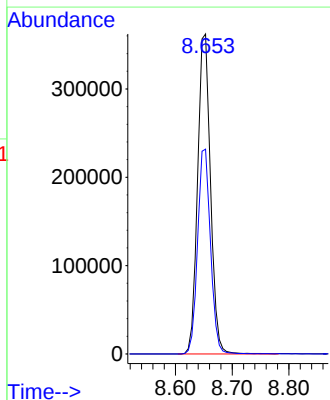
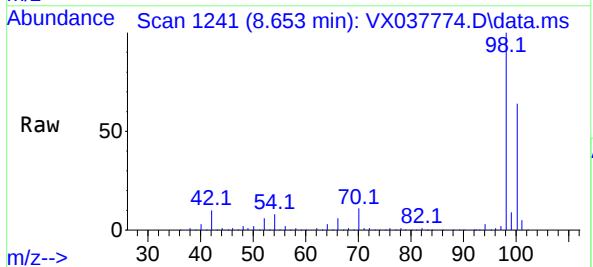


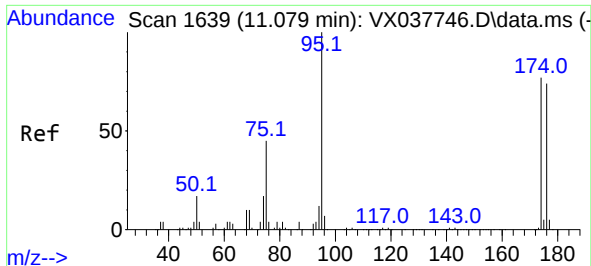
Tgt Ion:117 Resp: 28597  
Ion Ratio Lower Upper  
117 100  
119 6.3 78.2 117.2#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 47.645 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.006 min  
Lab File: VX037774.D  
Acq: 18 Sep 2023 14:07

Tgt Ion: 98 Resp: 571640  
Ion Ratio Lower Upper  
98 100  
100 64.0 53.1 79.7

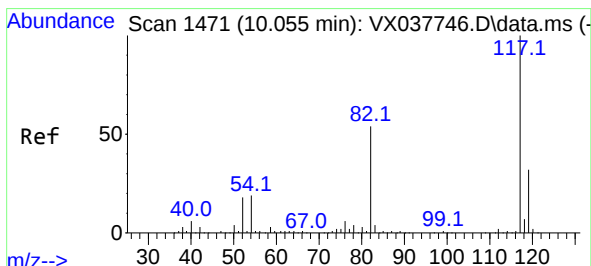
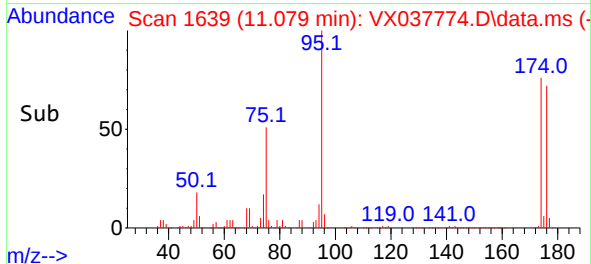
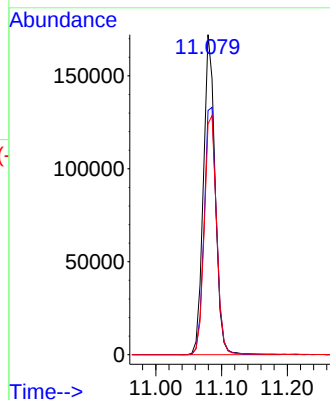
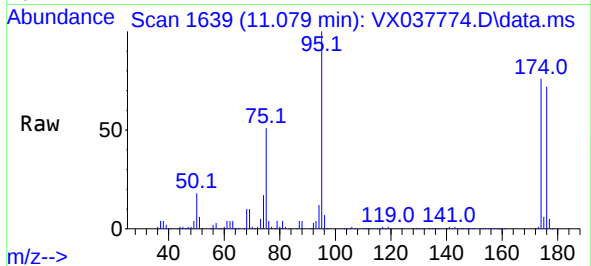




#62  
4-Bromofluorobenzene  
Concen: 49.024 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX037774.D  
Acq: 18 Sep 2023 14:07

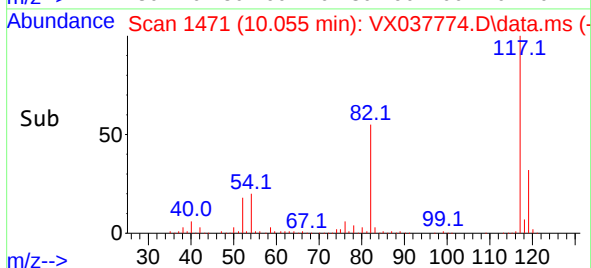
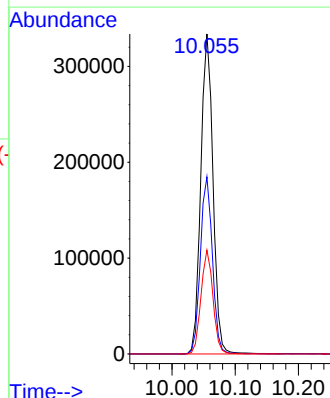
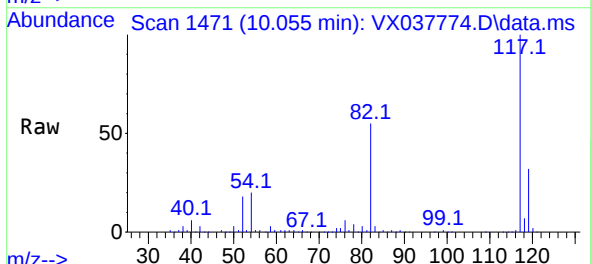
Instrument :  
MSVOA\_X  
ClientSampleId :

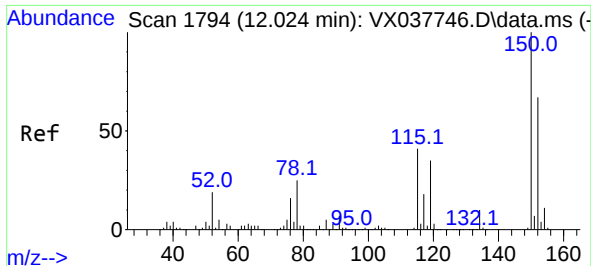
Tgt Ion: 95 Resp: 213732  
Ion Ratio Lower Upper  
95 100  
174 81.3 0.0 135.6  
176 78.3 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX037774.D  
Acq: 18 Sep 2023 14:07

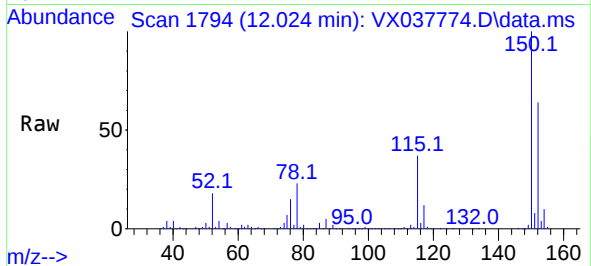
Tgt Ion: 117 Resp: 449374  
Ion Ratio Lower Upper  
117 100  
82 55.3 46.2 69.4  
119 32.5 25.5 38.3



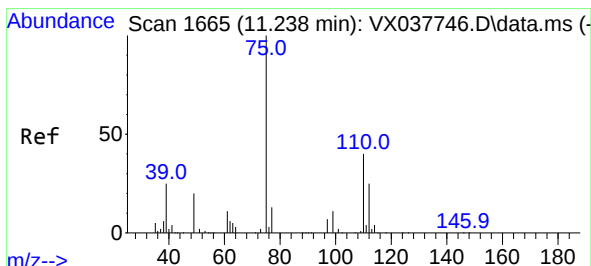
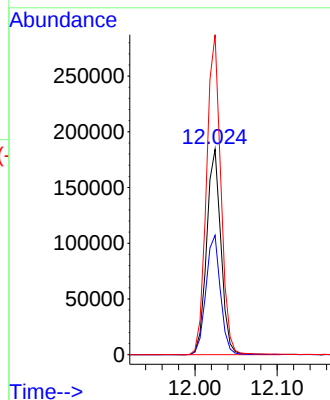
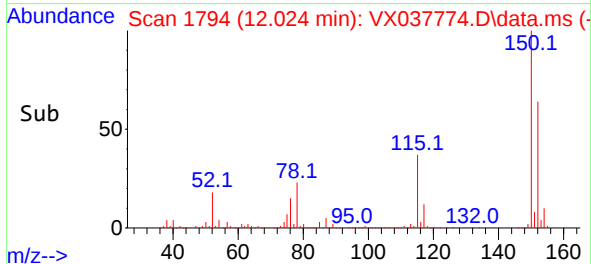


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX037774.D  
Acq: 18 Sep 2023 14:07

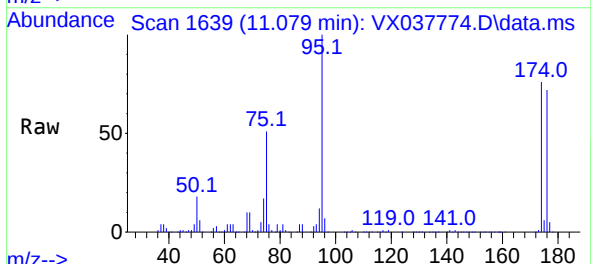
Instrument :  
MSVOA\_X  
ClientSampleId :



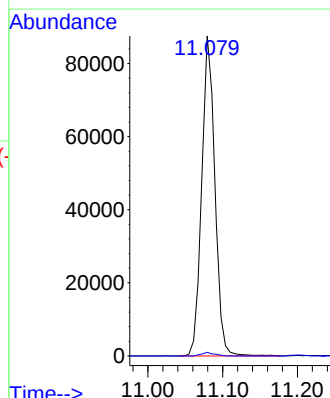
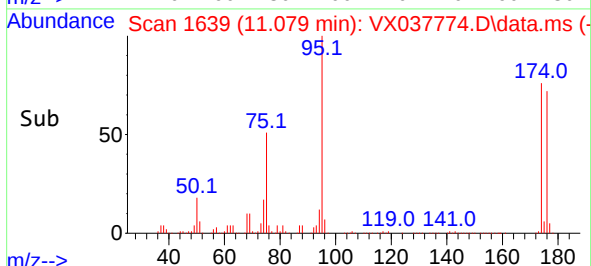
Tgt Ion:152 Resp: 222577  
Ion Ratio Lower Upper  
152 100  
115 59.2 43.3 129.9  
150 156.8 0.0 345.0

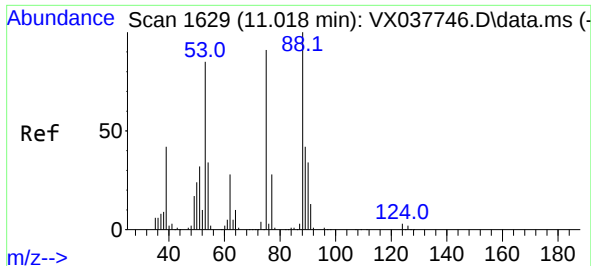


#76  
1,2,3-Trichloropropane  
Concen: 20.841 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX037774.D  
Acq: 18 Sep 2023 14:07



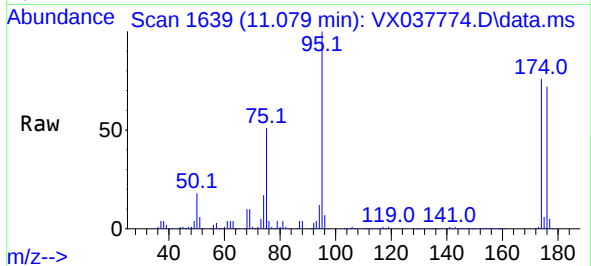
Tgt Ion: 75 Resp: 107287  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 66.760 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX037774.D  
 Acq: 18 Sep 2023 14:07

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 107287  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.0 36.9 55.3#

