

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092823\  
 Data File : VX037959.D  
 Acq On : 28 Sep 2023 18:54  
 Operator : JC/MD  
 Sample : 04667-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Sep 29 05:50:07 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

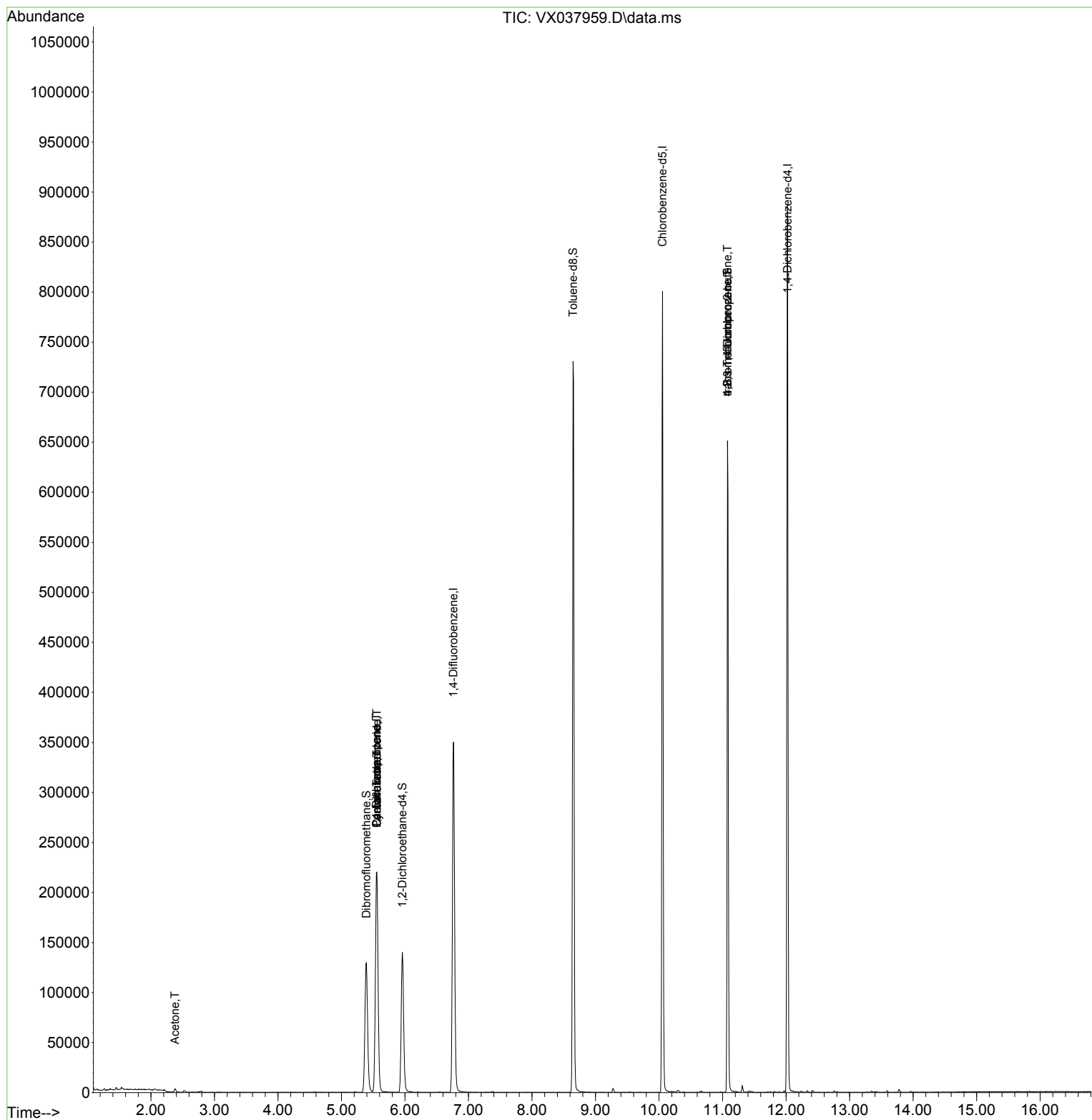
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 217719   | 50.000   | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 370803   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 362928   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 189506   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 134546   | 47.036   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 94.080%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 115744   | 46.651   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 93.300%  |
| 50) Toluene-d8                | 8.646  | 98    | 452767   | 49.114   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 98.220%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 171728   | 51.264   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 102.520% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Acetone                   | 2.379  | 43    | 3566     | 2.591    | ug/l   | 98       |
| 31) Cyclohexane               | 5.556  | 56    | 4349     | 1.185    | ug/l   | # 4      |
| 36) 1,1-Dichloropropene       | 5.549  | 75    | 16389    | 4.795    | ug/l   | # 50     |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 22027    | 6.160    | ug/l   | # 16     |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 87366    | 19.933   | ug/l   | # 39     |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 87366    | 63.851   | ug/l   | # 5      |
| -----                         |        |       |          |          |        |          |

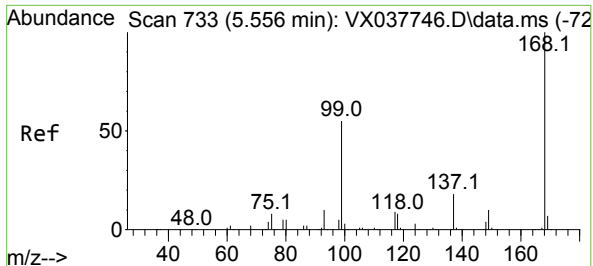
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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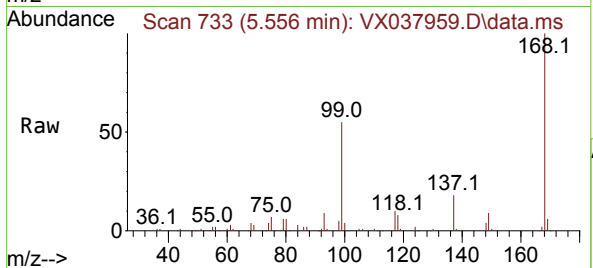
Quant Time: Sep 29 05:50:07 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091523W.M  
Quant Title : SW846 8260  
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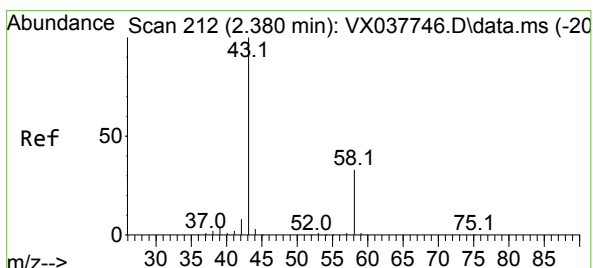
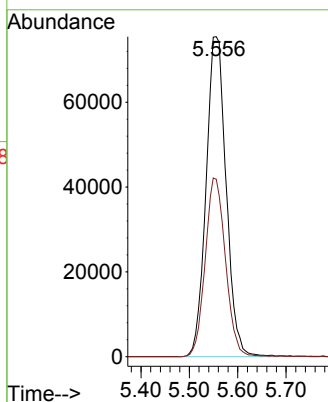
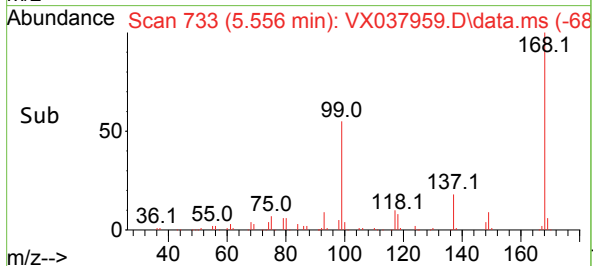


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX037959.D  
Acq: 28 Sep 2023 18:54

Instrument :  
MSVOA\_X  
ClientSampleId :

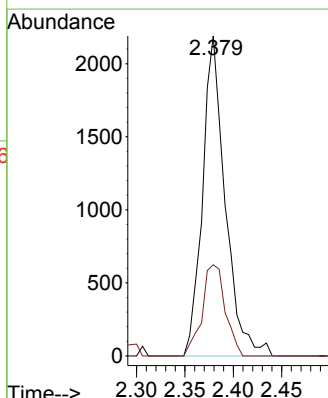
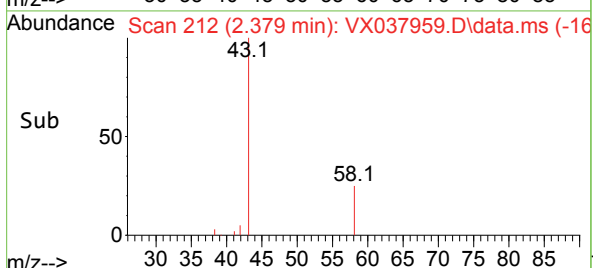
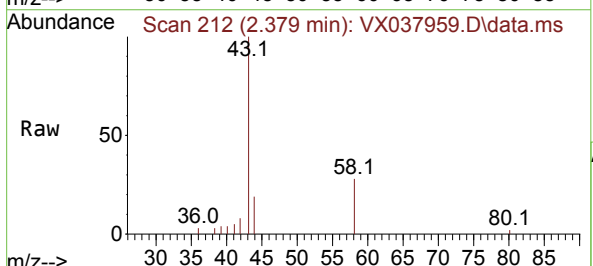


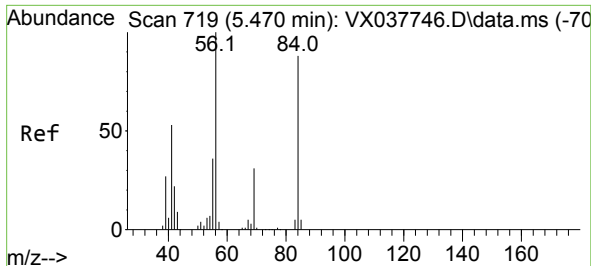
Tgt Ion:168 Resp: 217719  
Ion Ratio Lower Upper  
168 100  
99 55.5 56.6 85.0#



#16  
Acetone  
Concen: 2.591 ug/l  
RT: 2.379 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VX037959.D  
Acq: 28 Sep 2023 18:54

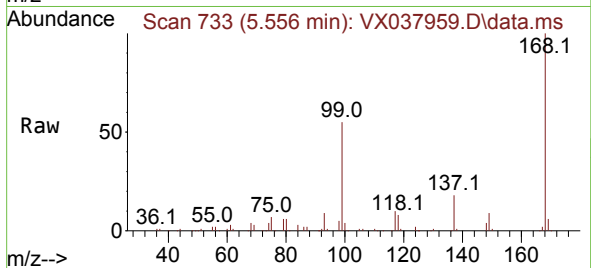
Tgt Ion: 43 Resp: 3566  
Ion Ratio Lower Upper  
43 100  
58 28.5 21.9 32.9



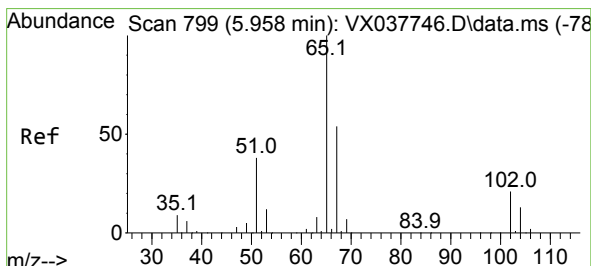
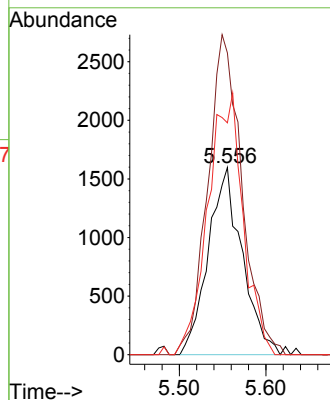
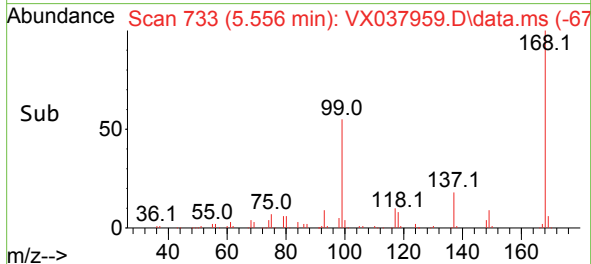


#31  
Cyclohexane  
Concen: 1.185 ug/l  
RT: 5.556 min Scan# 719  
Delta R.T. 0.085 min  
Lab File: VX037959.D  
Acq: 28 Sep 2023 18:54

Instrument :  
MSVOA\_X  
ClientSampleId :

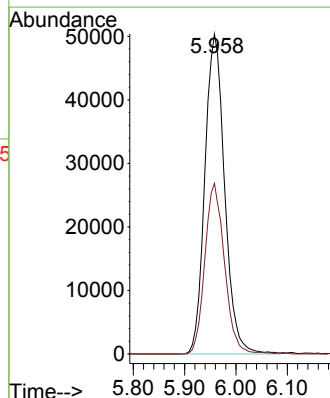
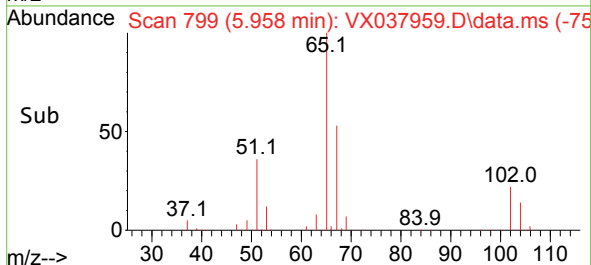
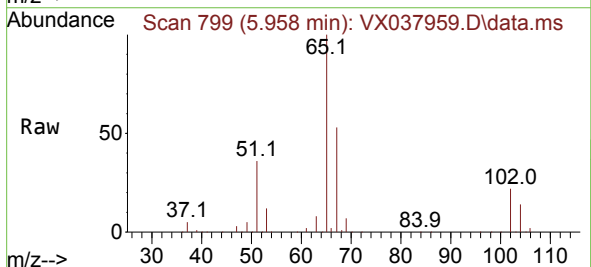


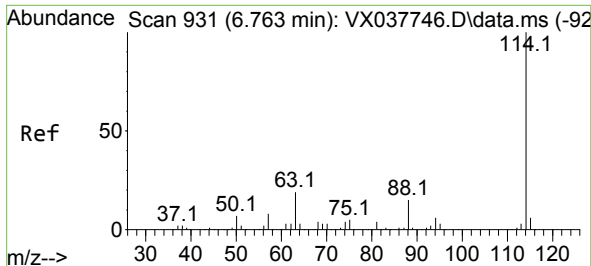
Tgt Ion: 56 Resp: 4349  
Ion Ratio Lower Upper  
56 100  
69 156.4 23.4 35.2#  
84 123.9 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 47.036 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VX037959.D  
Acq: 28 Sep 2023 18:54

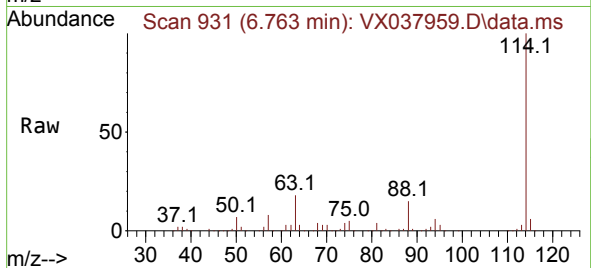
Tgt Ion: 65 Resp: 134546  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 100.2



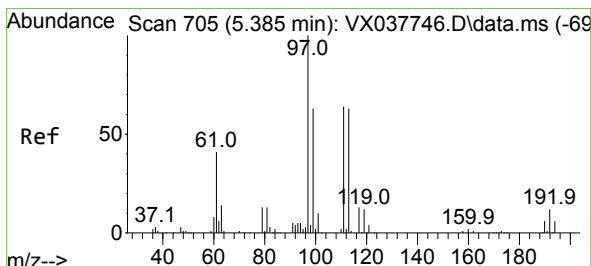
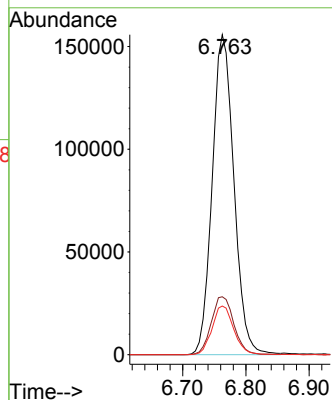
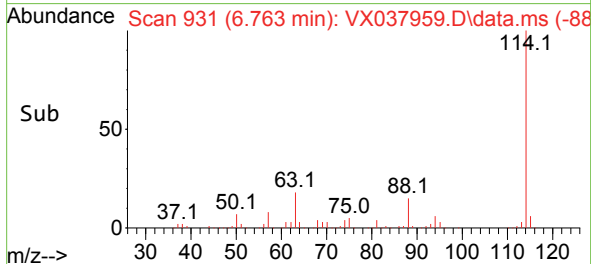


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX037959.D  
Acq: 28 Sep 2023 18:54

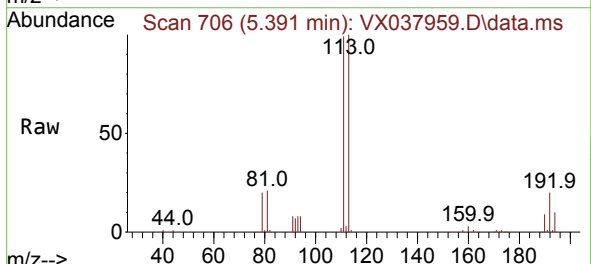
Instrument :  
MSVOA\_X  
ClientSampleId :



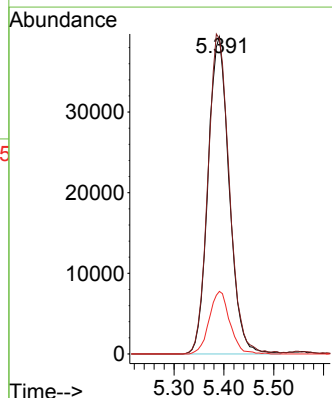
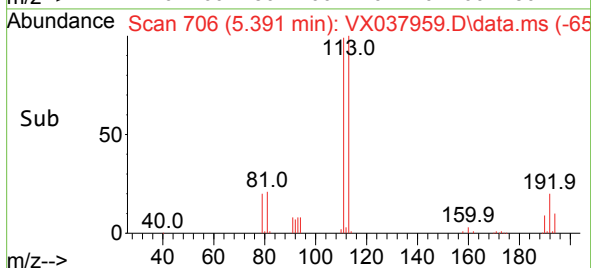
Tgt Ion:114 Resp: 370803  
Ion Ratio Lower Upper  
114 100  
63 18.1 0.0 45.0  
88 15.2 0.0 36.6

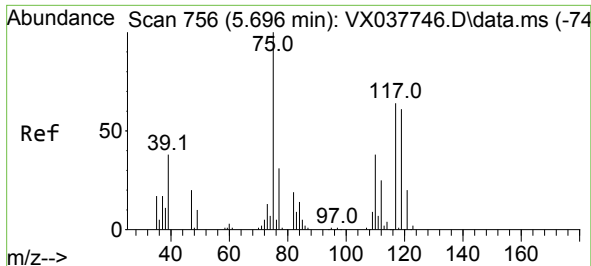


#35  
Dibromofluoromethane  
Concen: 46.651 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VX037959.D  
Acq: 28 Sep 2023 18:54



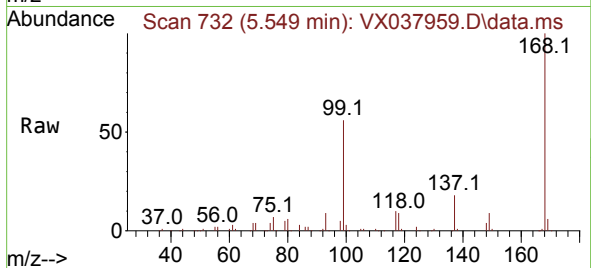
Tgt Ion:113 Resp: 115744  
Ion Ratio Lower Upper  
113 100  
111 102.3 82.9 124.3  
192 19.2 13.3 19.9



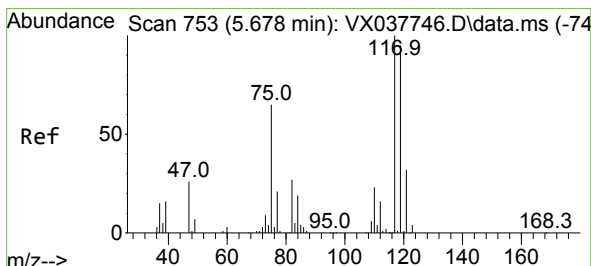
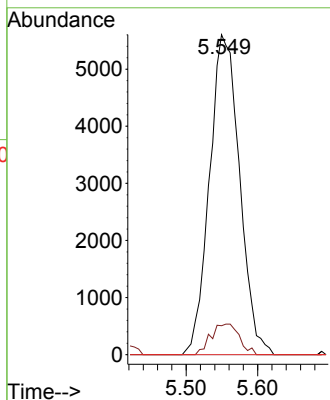
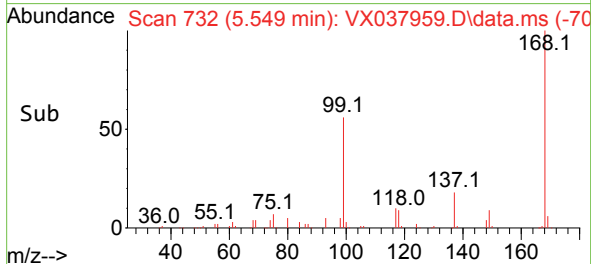


#36  
1,1-Dichloropropene  
Concen: 4.795 ug/l  
RT: 5.549 min Scan# 711  
Delta R.T. -0.147 min  
Lab File: VX037959.D  
Acq: 28 Sep 2023 18:54

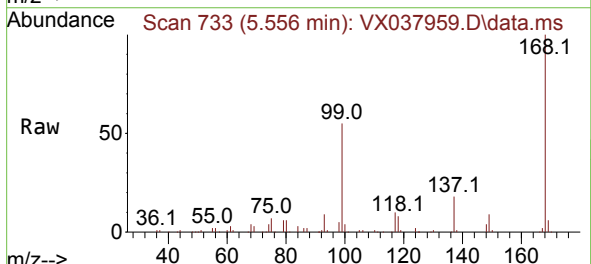
Instrument :  
MSVOA\_X  
ClientSampleId :



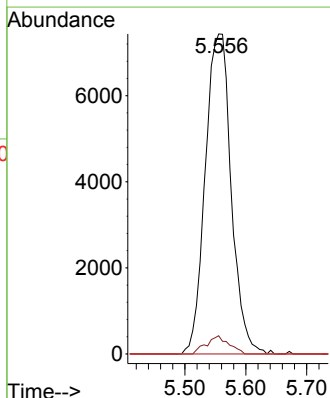
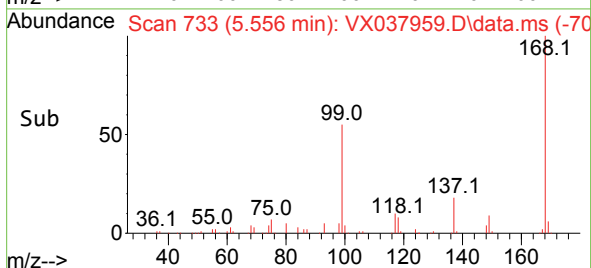
Tgt Ion: 75 Resp: 16389  
Ion Ratio Lower Upper  
75 100  
110 9.1 17.0 50.9#  
77 0.0 24.7 37.1#

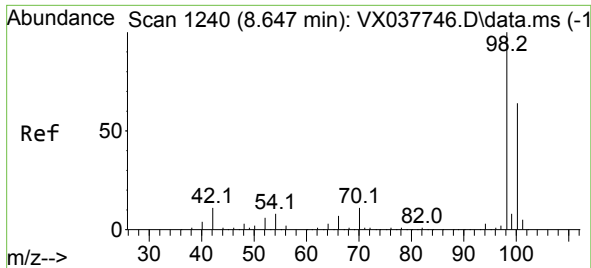


#38  
Carbon Tetrachloride  
Concen: 6.160 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.122 min  
Lab File: VX037959.D  
Acq: 28 Sep 2023 18:54



Tgt Ion: 117 Resp: 22027  
Ion Ratio Lower Upper  
117 100  
119 5.7 78.2 117.2#  
121 0.0 24.4 36.6#

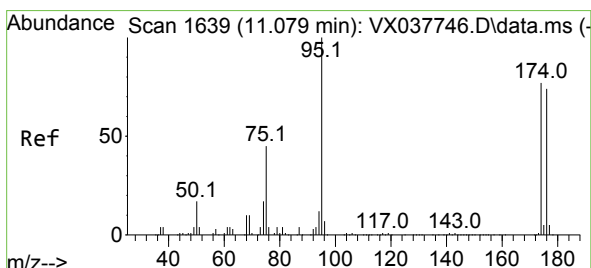
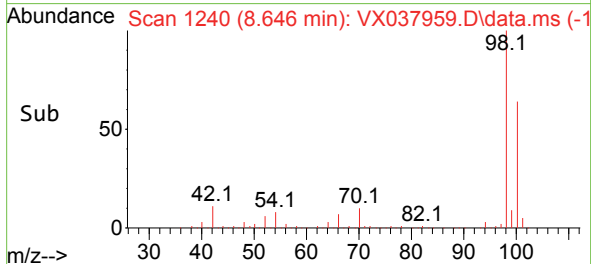
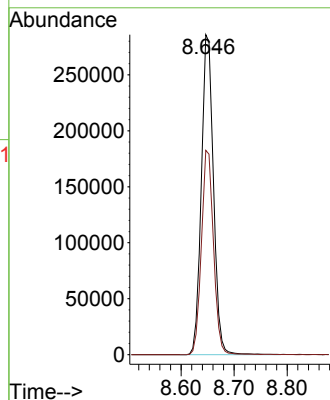
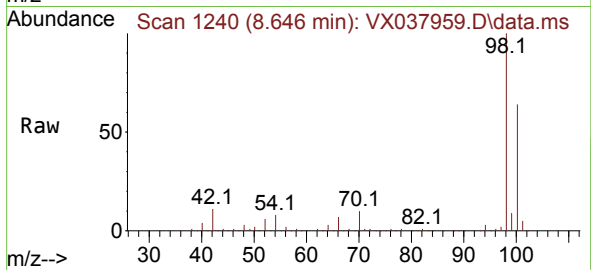




#50  
Toluene-d8  
Concen: 49.114 ug/l  
RT: 8.646 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX037959.D  
Acq: 28 Sep 2023 18:54

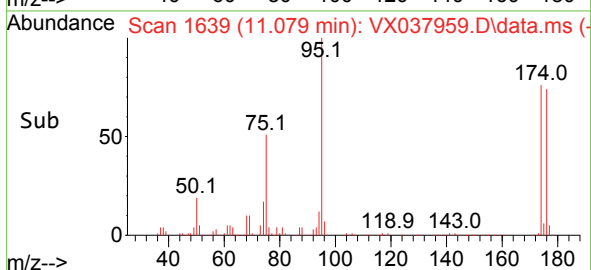
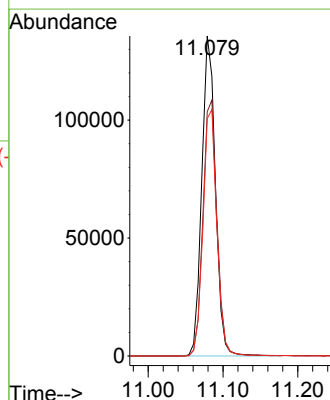
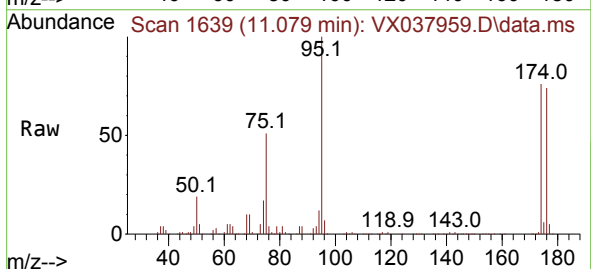
Instrument :  
MSVOA\_X  
ClientSampleId :

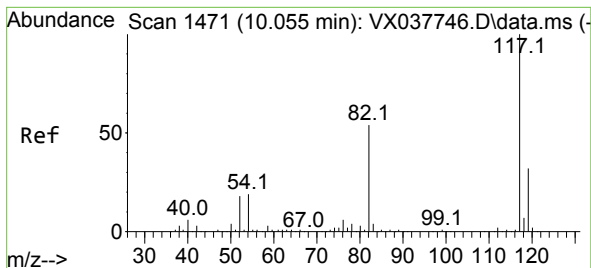
Tgt Ion: 98 Resp: 452767  
Ion Ratio Lower Upper  
98 100  
100 63.7 53.1 79.7



#62  
4-Bromofluorobenzene  
Concen: 51.264 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX037959.D  
Acq: 28 Sep 2023 18:54

Tgt Ion: 95 Resp: 171728  
Ion Ratio Lower Upper  
95 100  
174 82.4 0.0 135.6  
176 78.7 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: VX037959.D

Acq: 28 Sep 2023 18:54

Instrument :

MSVOA\_X

ClientSampleId :

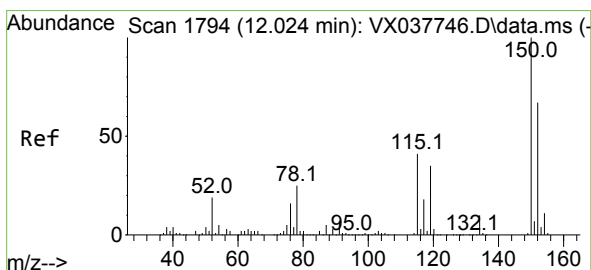
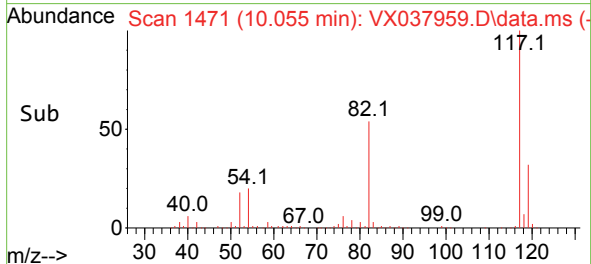
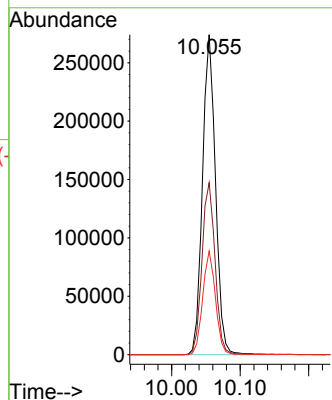
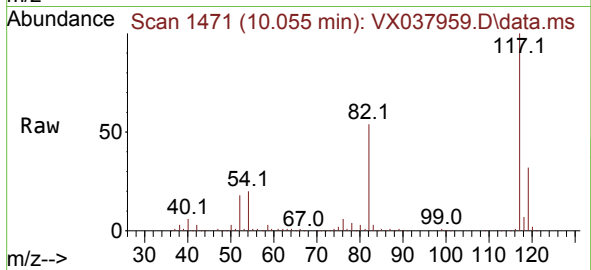
Tgt Ion:117 Resp: 362928

Ion Ratio Lower Upper

117 100

82 53.8 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. -0.000 min

Lab File: VX037959.D

Acq: 28 Sep 2023 18:54

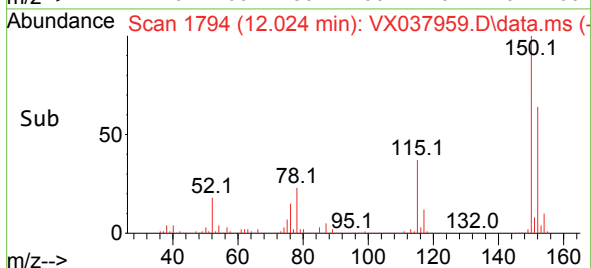
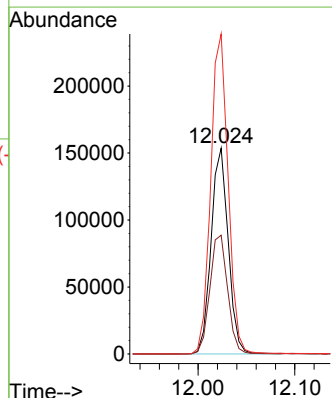
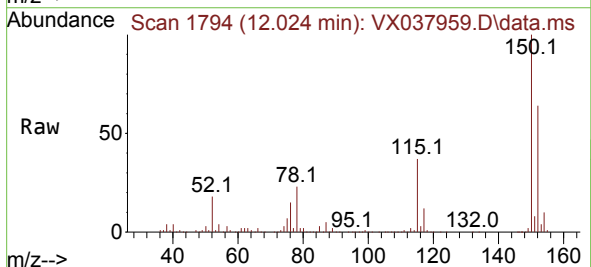
Tgt Ion:152 Resp: 189506

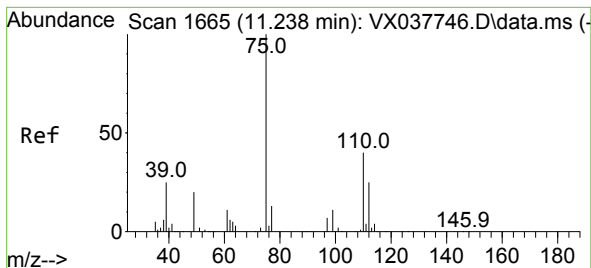
Ion Ratio Lower Upper

152 100

115 60.0 43.3 129.9

150 158.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 19.933 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037959.D

Acq: 28 Sep 2023 18:54

Instrument :

MSVOA\_X

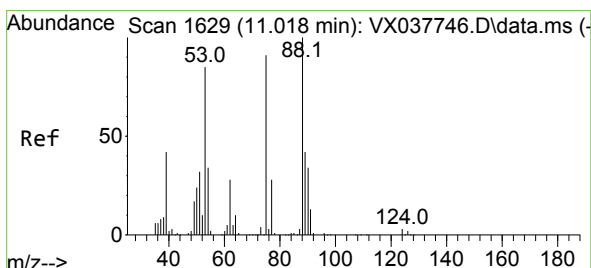
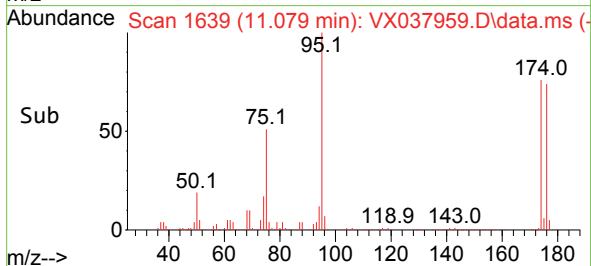
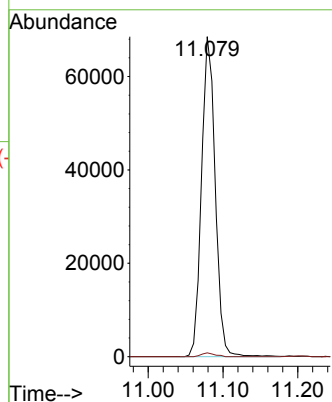
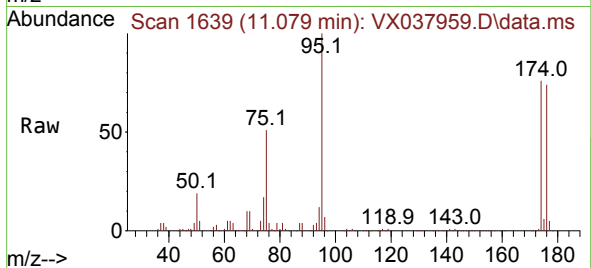
ClientSampleId :

Tgt Ion: 75 Resp: 87366

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.851 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037959.D

Acq: 28 Sep 2023 18:54

Tgt Ion: 75 Resp: 87366

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

