

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092523\  
 Data File : VX037893.D  
 Acq On : 25 Sep 2023 13:43  
 Operator : JC/MD  
 Sample : 04590-03 20X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SAMPLE-1

Quant Time: Sep 26 06:57:49 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

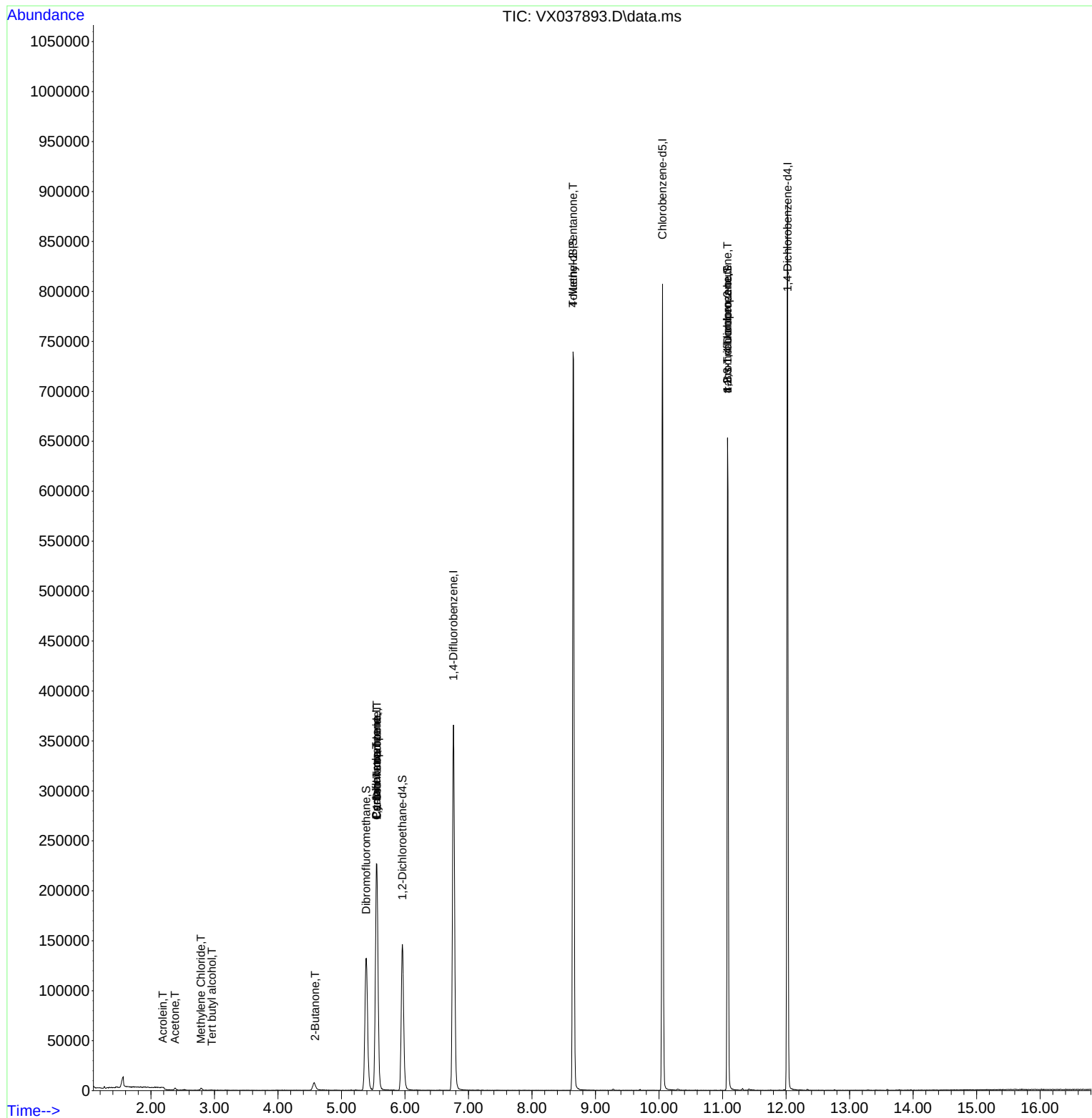
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 223535   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 383987   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 365450   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 190808   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 140873   | 47.966   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 95.940%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 118312   | 46.049   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 92.100%  |
| 50) Toluene-d8                | 8.647  | 98    | 461224   | 48.314   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 96.620%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 170043   | 49.018   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 98.040%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol        | 2.959  | 59    | 127      | 0.201    | ug/l # | 78       |
| 13) Acrolein                  | 2.184  | 56    | 128      | 0.206    | ug/l # | 68       |
| 16) Acetone                   | 2.380  | 43    | 2185     | 1.547    | ug/l   | 92       |
| 20) Methylene Chloride        | 2.788  | 84    | 1033     | 0.370    | ug/l # | 75       |
| 25) 2-Butanone                | 4.586  | 43    | 624      | 0.313    | ug/l # | 51       |
| 31) Cyclohexane               | 5.550  | 56    | 4701     | 1.247    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 17140    | 4.843    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 22756    | 6.145    | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 1837     | 0.465    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 87646    | 19.860   | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 87646    | 63.619   | ug/l # | 5        |
| -----                         |        |       |          |          |        |          |

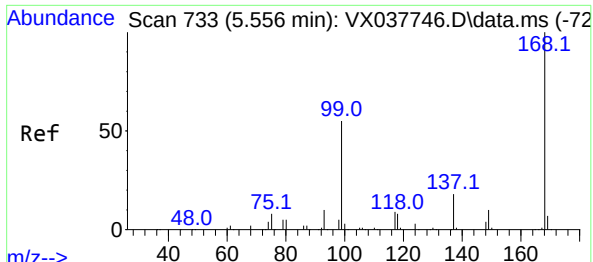
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092523\  
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Instrument :  
MSVOA\_X  
ClientSampleId :  
SAMPLE-1

Quant Time: Sep 26 06:57:49 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

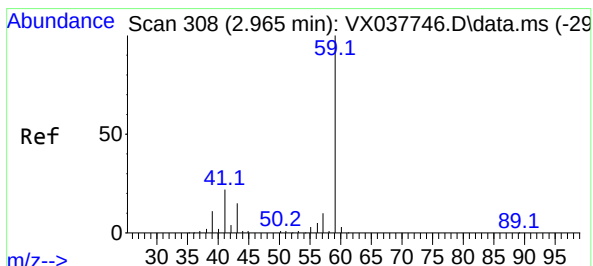
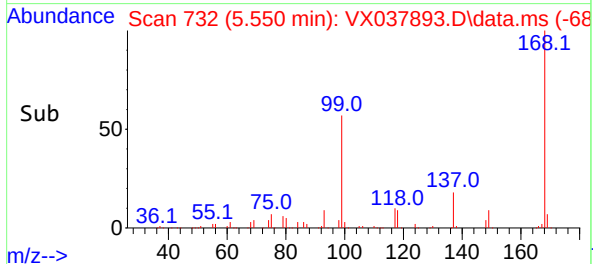
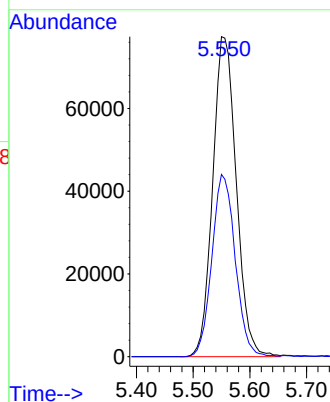
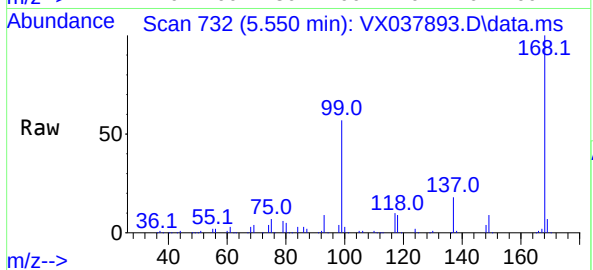




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX037893.D  
Acq: 25 Sep 2023 13:43

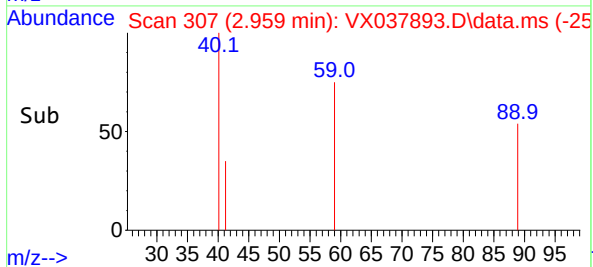
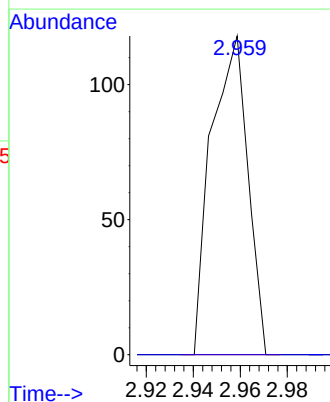
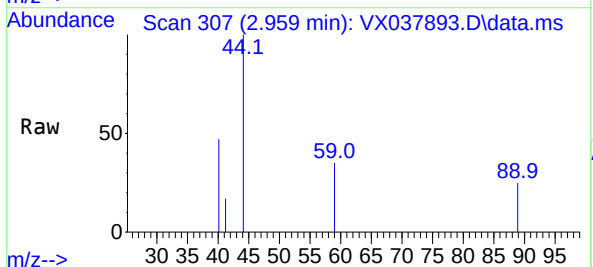
Instrument :  
MSVOA\_X  
ClientSampleId :  
SAMPLE-1

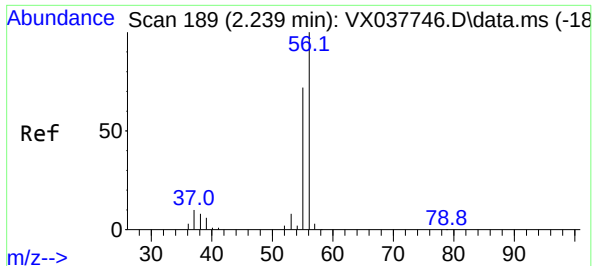
Tgt Ion:168 Resp: 223535  
Ion Ratio Lower Upper  
168 100  
99 57.0 56.6 85.0



#11  
Tert butyl alcohol  
Concen: 0.201 ug/l  
RT: 2.959 min Scan# 307  
Delta R.T. -0.006 min  
Lab File: VX037893.D  
Acq: 25 Sep 2023 13:43

Tgt Ion: 59 Resp: 127  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#

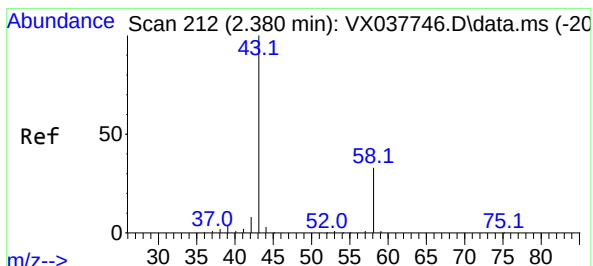
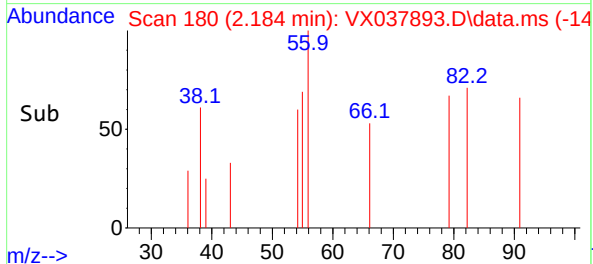
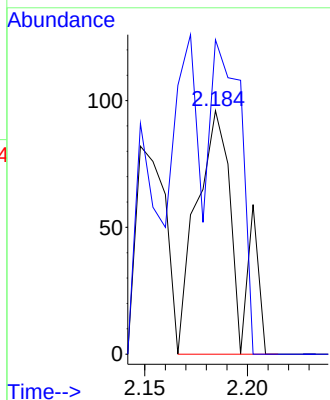
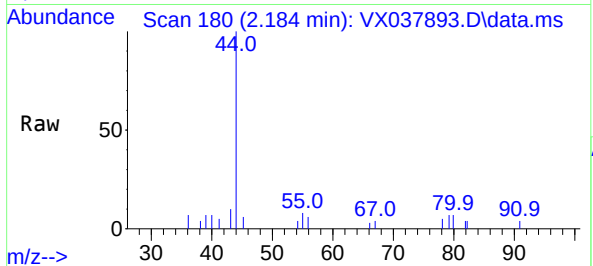




#13  
Acrolein  
Concen: 0.206 ug/l  
RT: 2.184 min Scan# 11  
Delta R.T. -0.055 min  
Lab File: VX037893.D  
Acq: 25 Sep 2023 13:43

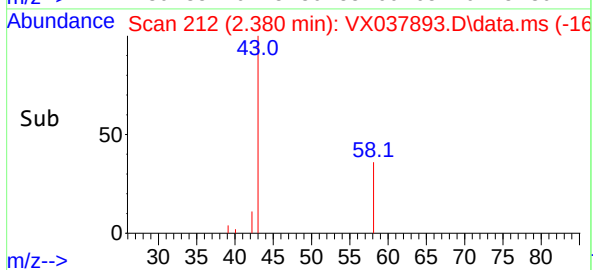
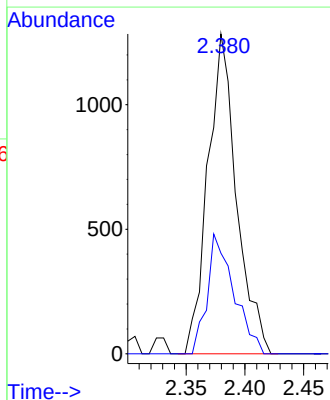
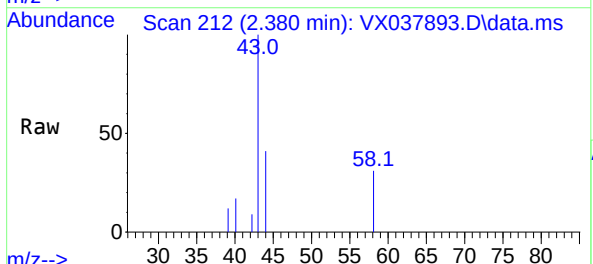
Instrument :  
MSVOA\_X  
ClientSampleId :  
SAMPLE-1

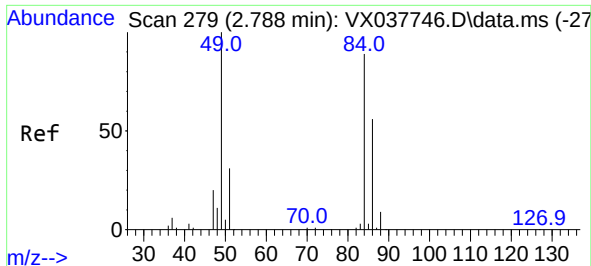
Tgt Ion: 56 Resp: 128  
Ion Ratio Lower Upper  
56 100  
55 97.7 57.1 85.7#



#16  
Acetone  
Concen: 1.547 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VX037893.D  
Acq: 25 Sep 2023 13:43

Tgt Ion: 43 Resp: 2185  
Ion Ratio Lower Upper  
43 100  
58 31.5 21.9 32.9



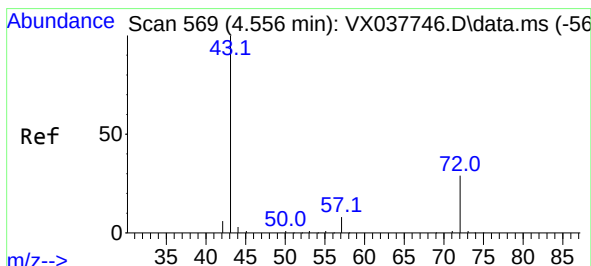
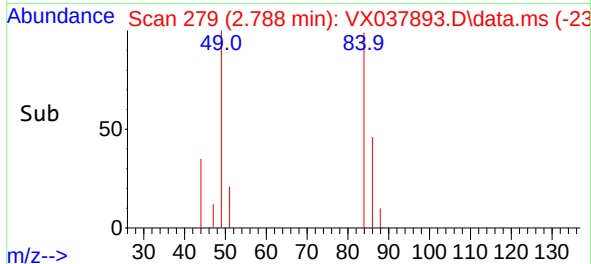
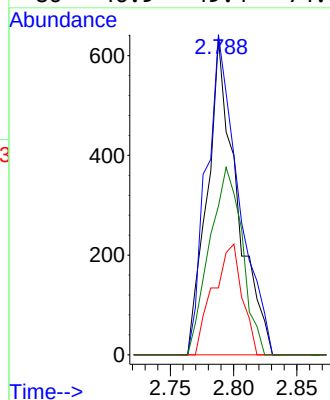
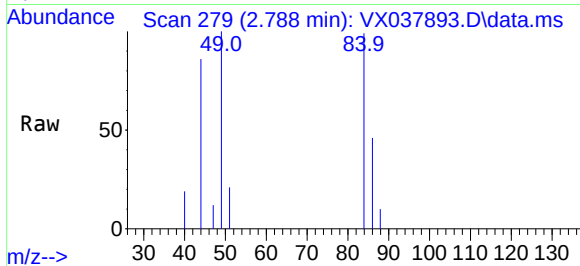


#20  
Methylene Chloride  
Concen: 0.370 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX037893.D  
Acq: 25 Sep 2023 13:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
SAMPLE-1

Tgt Ion: 84 Resp: 1033

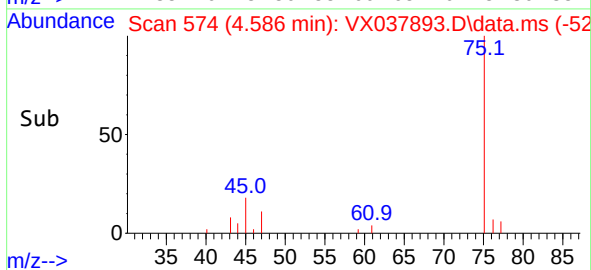
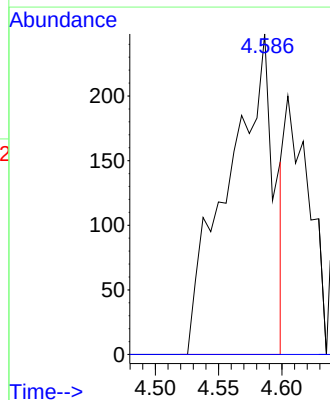
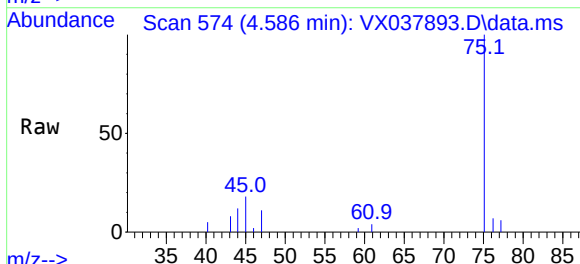
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 101.1 | 103.6 | 155.4# |
| 51  | 21.1  | 33.8  | 50.6#  |
| 86  | 46.9  | 49.4  | 74.0#  |

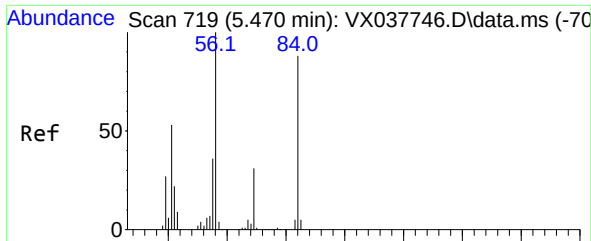


#25  
2-Butanone  
Concen: 0.313 ug/l  
RT: 4.586 min Scan# 574  
Delta R.T. 0.018 min  
Lab File: VX037893.D  
Acq: 25 Sep 2023 13:43

Tgt Ion: 43 Resp: 624

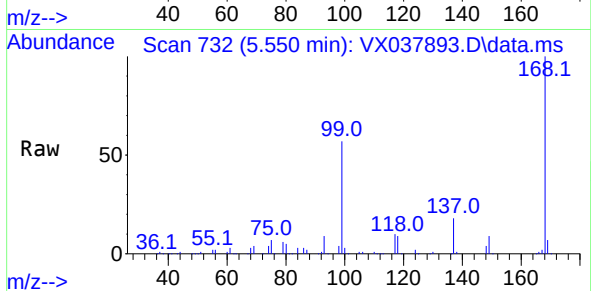
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 0.0   | 19.4  | 29.2# |



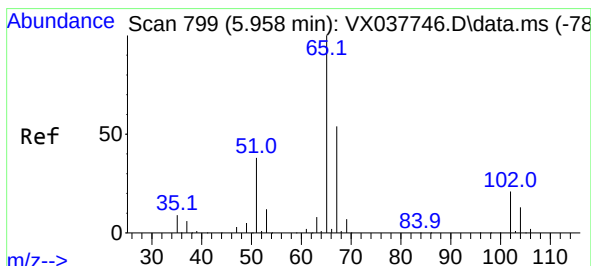
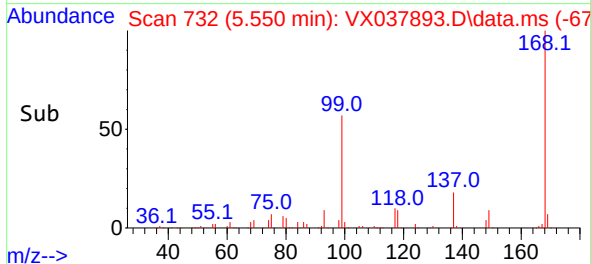
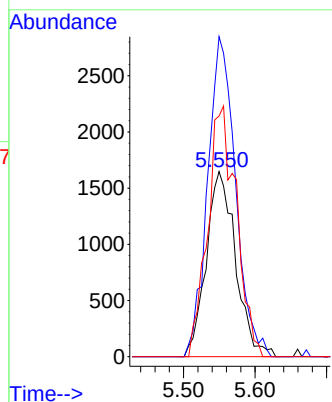


#31  
Cyclohexane  
Concen: 1.247 ug/l  
RT: 5.550 min Scan# 719  
Delta R.T. 0.079 min  
Lab File: VX037893.D  
Acq: 25 Sep 2023 13:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
SAMPLE-1

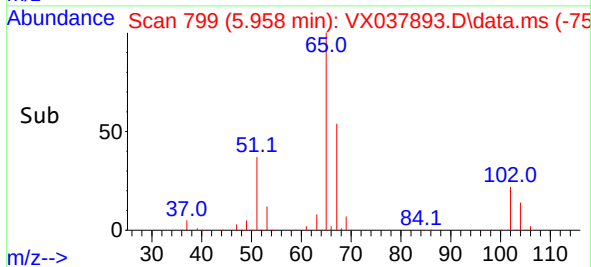
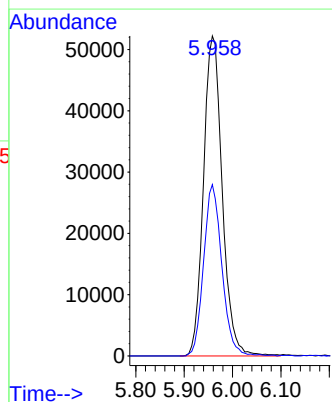
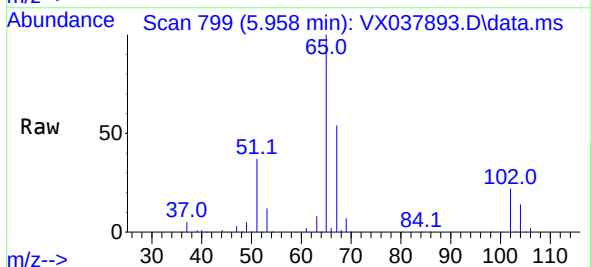


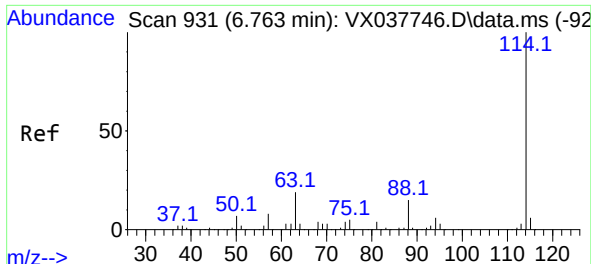
Tgt Ion: 56 Resp: 4701  
Ion Ratio Lower Upper  
56 100  
69 172.8 23.4 35.2#  
84 130.0 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 47.966 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX037893.D  
Acq: 25 Sep 2023 13:43

Tgt Ion: 65 Resp: 140873  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 100.2

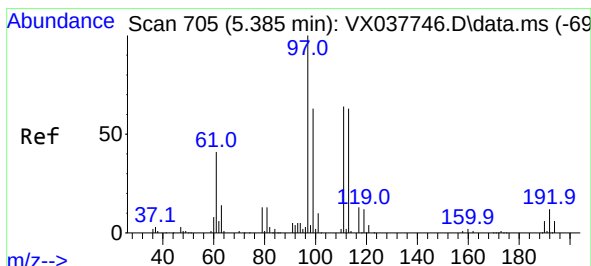
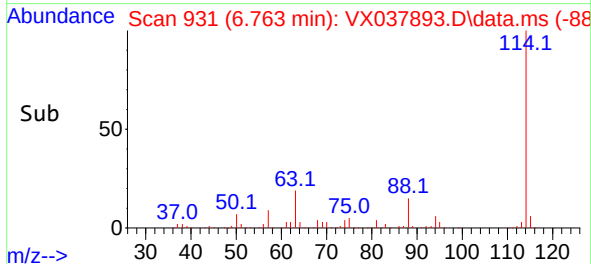
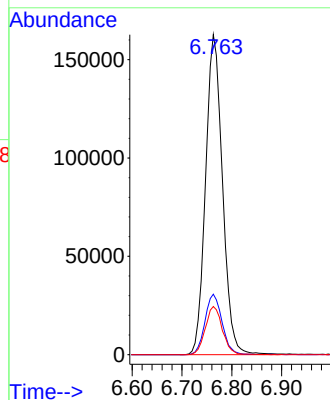
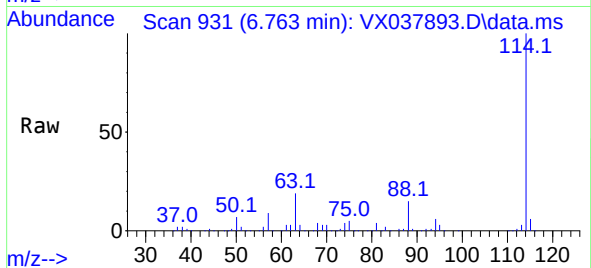




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX037893.D  
Acq: 25 Sep 2023 13:43

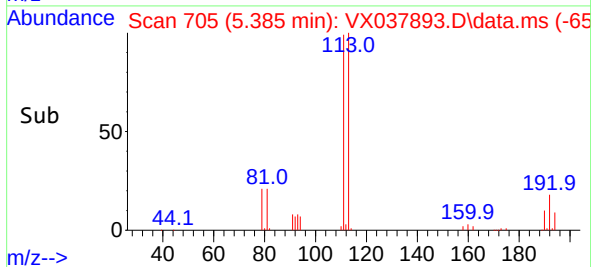
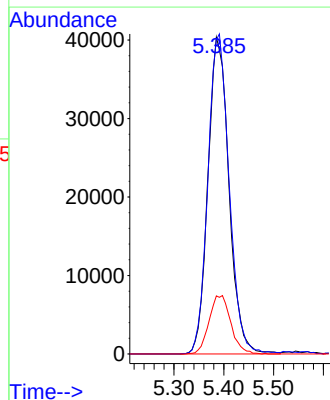
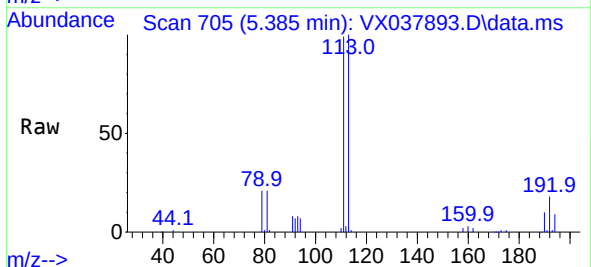
Instrument :  
MSVOA\_X  
ClientSampleId :  
SAMPLE-1

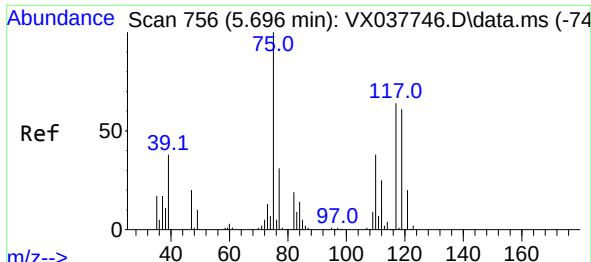
Tgt Ion:114 Resp: 383987  
Ion Ratio Lower Upper  
114 100  
63 18.9 0.0 45.0  
88 15.1 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 46.049 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX037893.D  
Acq: 25 Sep 2023 13:43

Tgt Ion:113 Resp: 118312  
Ion Ratio Lower Upper  
113 100  
111 102.1 82.9 124.3  
192 19.1 13.3 19.9

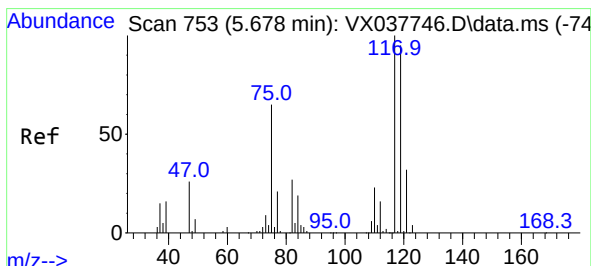
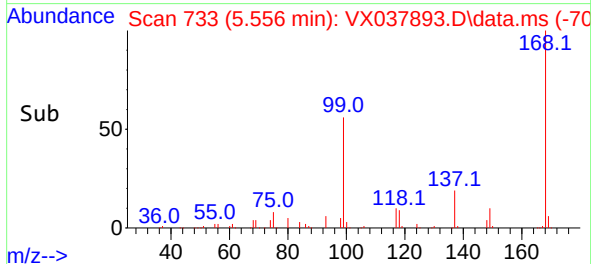
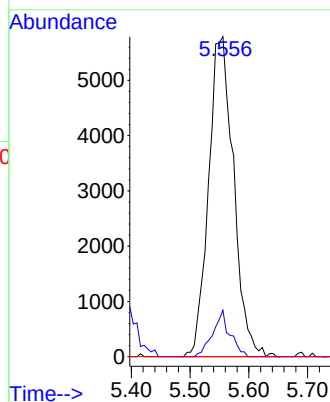
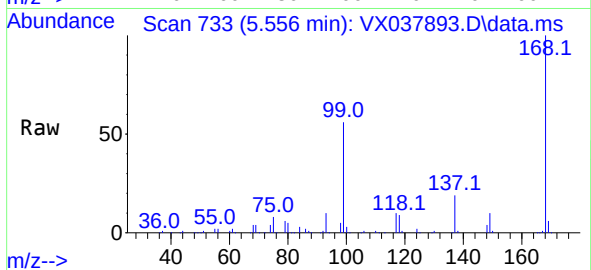




#36  
1,1-Dichloropropene  
Concen: 4.843 ug/l  
RT: 5.556 min Scan# 713  
Delta R.T. -0.140 min  
Lab File: VX037893.D  
Acq: 25 Sep 2023 13:43

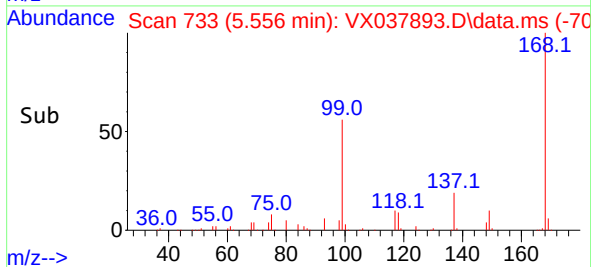
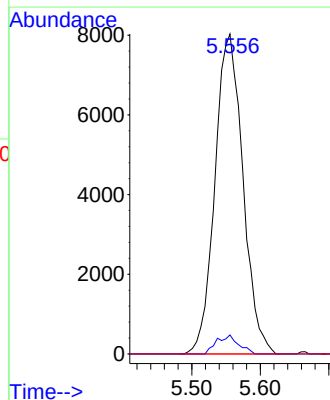
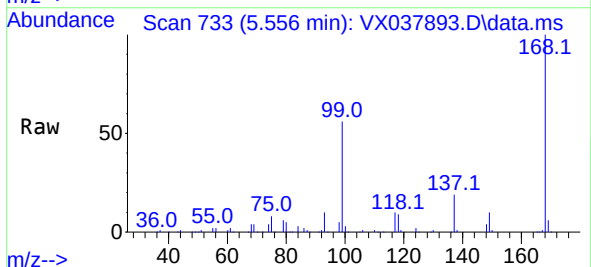
Instrument :  
MSVOA\_X  
ClientSampleId :  
SAMPLE-1

Tgt Ion: 75 Resp: 17140  
Ion Ratio Lower Upper  
75 100  
110 9.9 17.0 50.9#  
77 0.0 24.7 37.1#

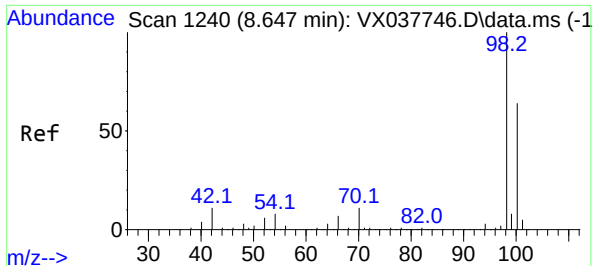


#38  
Carbon Tetrachloride  
Concen: 6.145 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.122 min  
Lab File: VX037893.D  
Acq: 25 Sep 2023 13:43

Tgt Ion: 117 Resp: 22756  
Ion Ratio Lower Upper  
117 100  
119 5.9 78.2 117.2#  
121 0.0 24.4 36.6#







#50

Toluene-d8

Concen: 48.314 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX037893.D

Acq: 25 Sep 2023 13:43

Instrument :

MSVOA\_X

ClientSampleId :

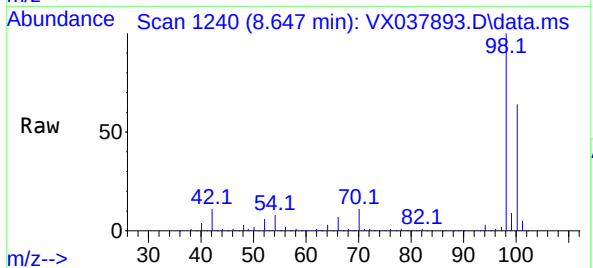
SAMPLE-1

Tgt Ion: 98 Resp: 461224

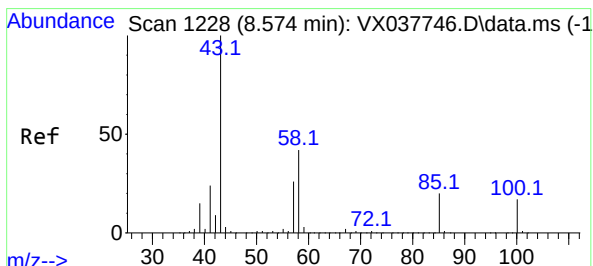
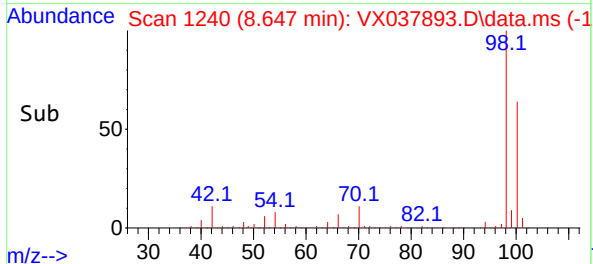
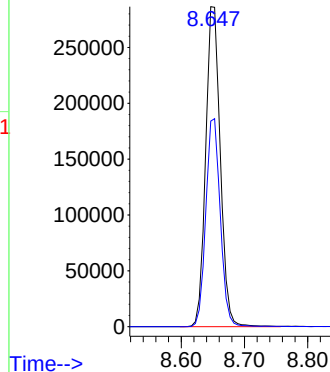
Ion Ratio Lower Upper

98 100

100 64.2 53.1 79.7



Abundance



#51

4-Methyl-2-Pentanone

Concen: 0.465 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX037893.D

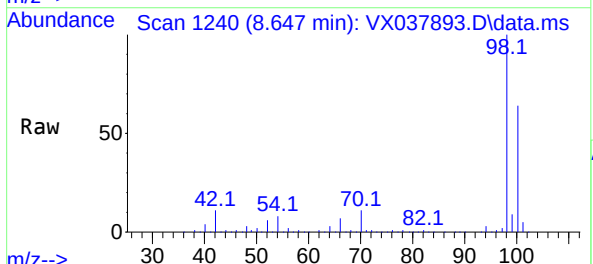
Acq: 25 Sep 2023 13:43

Tgt Ion: 43 Resp: 1837

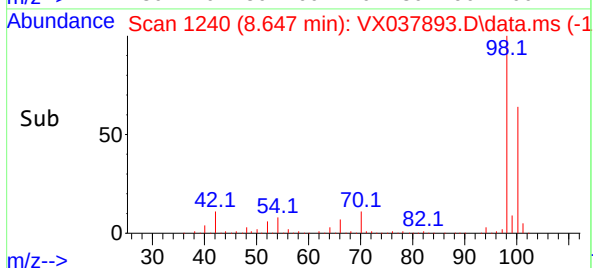
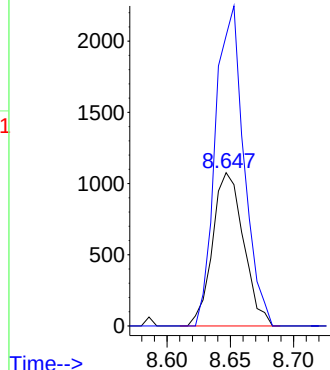
Ion Ratio Lower Upper

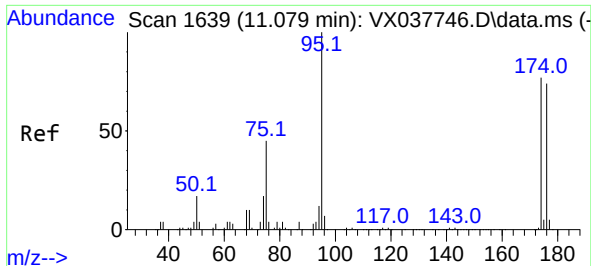
43 100

58 191.7 30.4 45.6#



Abundance

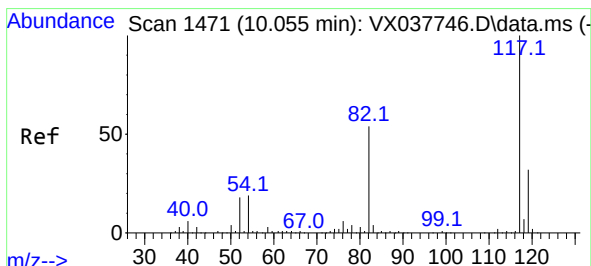
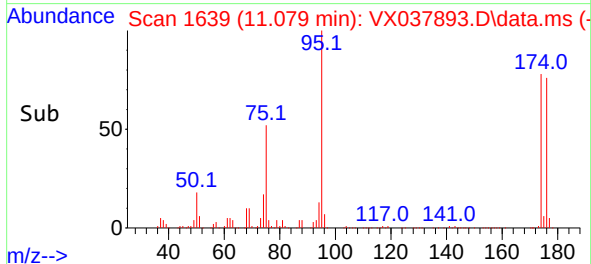
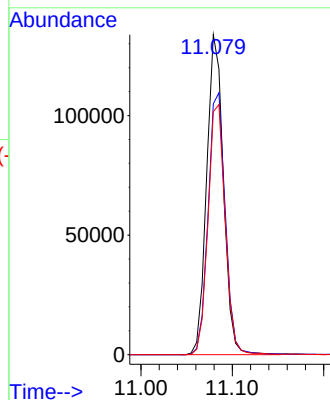
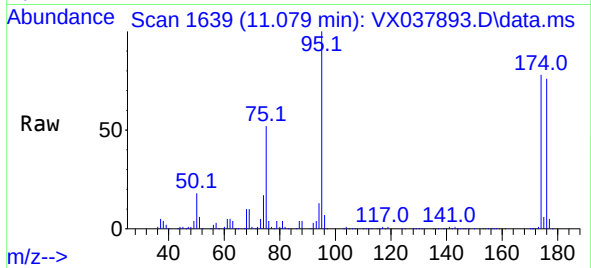




#62  
4-Bromofluorobenzene  
Concen: 49.018 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX037893.D  
Acq: 25 Sep 2023 13:43

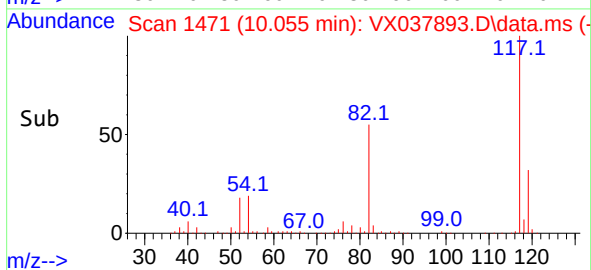
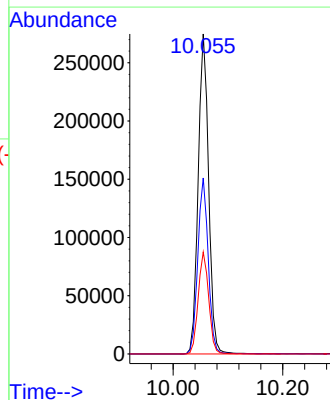
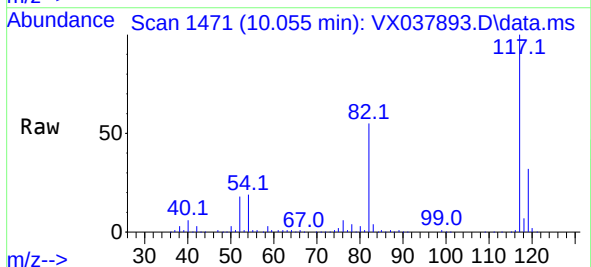
Instrument :  
MSVOA\_X  
ClientSampleId :  
SAMPLE-1

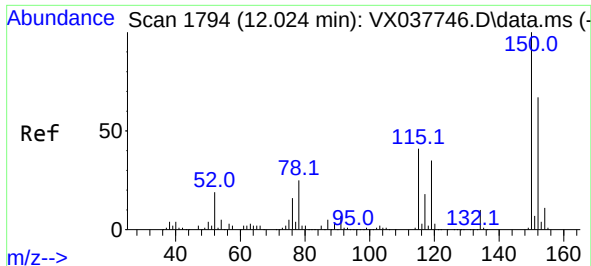
Tgt Ion: 95 Resp: 170043  
Ion Ratio Lower Upper  
95 100  
174 84.0 0.0 135.6  
176 80.0 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX037893.D  
Acq: 25 Sep 2023 13:43

Tgt Ion: 117 Resp: 365450  
Ion Ratio Lower Upper  
117 100  
82 55.0 46.2 69.4  
119 31.8 25.5 38.3

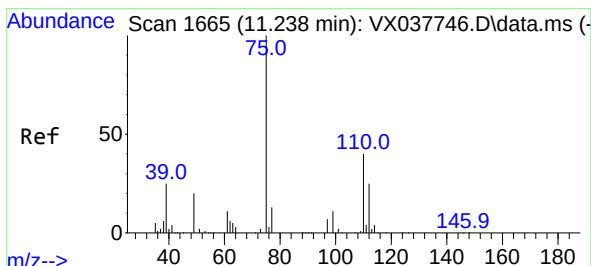
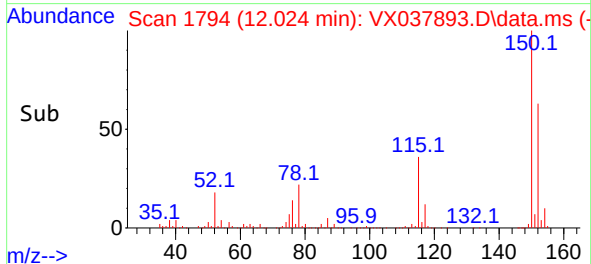
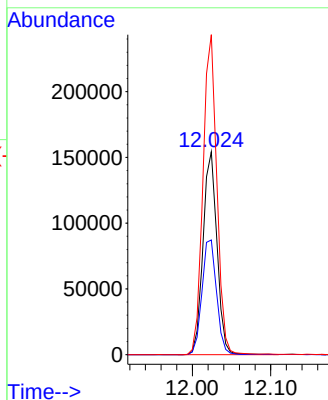
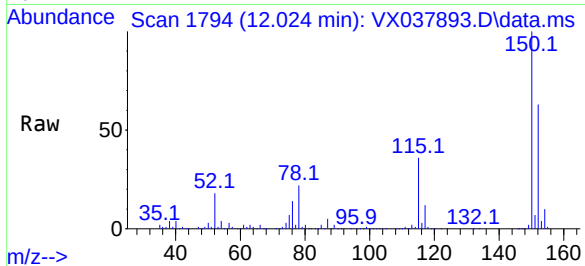




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX037893.D  
Acq: 25 Sep 2023 13:43

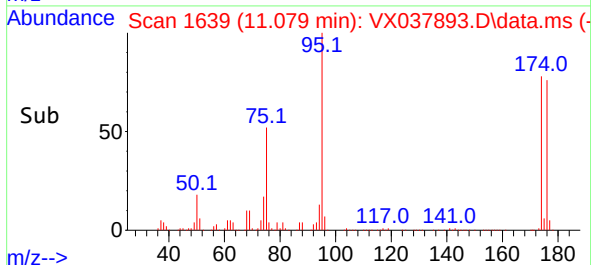
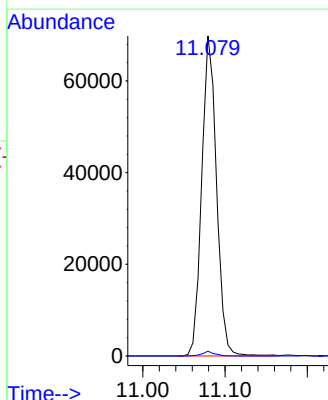
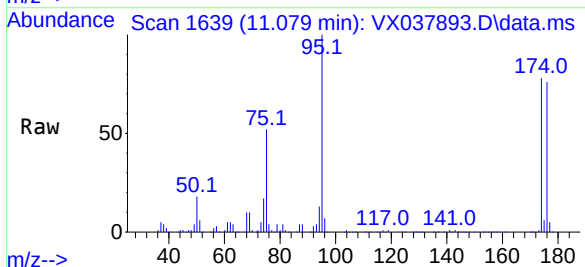
Instrument :  
MSVOA\_X  
ClientSampleId :  
SAMPLE-1

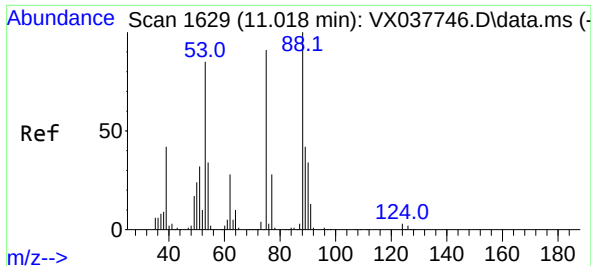
Tgt Ion:152 Resp: 190808  
Ion Ratio Lower Upper  
152 100  
115 59.3 43.3 129.9  
150 156.5 0.0 345.0



#76  
1,2,3-Trichloropropane  
Concen: 19.860 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX037893.D  
Acq: 25 Sep 2023 13:43

Tgt Ion: 75 Resp: 87646  
Ion Ratio Lower Upper  
75 100  
77 1.2 19.1 57.5#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 63.619 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX037893.D  
Acq: 25 Sep 2023 13:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
SAMPLE-1

Tgt Ion: 75 Resp: 87646  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#

