

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082823\  
 Data File : VX037296.D  
 Acq On : 28 Aug 2023 15:47  
 Operator : JC/MD  
 Sample : 04126-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

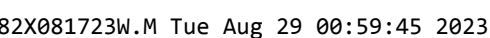
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE123D2-20230819

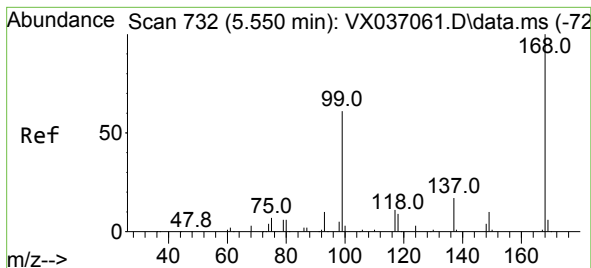
Quant Time: Aug 29 00:59:36 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 18 09:30:38 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 143303   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 238185   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 207236   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 90652    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 89325    | 43.236   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 86.480%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 72810    | 46.157   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 92.320%  |
| 50) Toluene-d8                | 8.647  | 98    | 274656   | 48.000   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 96.000%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 100092   | 44.512   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 89.020%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Acetone                   | 2.380  | 43    | 853      | 1.055    | ug/l # | 89       |
| 31) Cyclohexane               | 5.550  | 56    | 2836     | 1.221    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 11131    | 4.967    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 15292    | 6.281    | ug/l # | 15       |
| 44) Trichloroethene           | 7.129  | 130   | 491      | 0.269    | ug/l   | 88       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 1055     | 0.478    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 50292    | 26.050   | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 50292    | 72.759   | ug/l # | 5        |
| -----                         |        |       |          |          |        |          |

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

Quant Time: Aug 29 00:59:36 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 18 09:30:38 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: VX037296.D

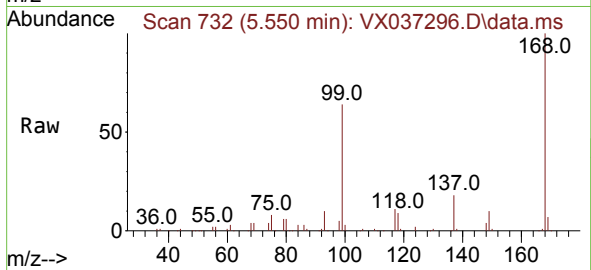
Acq: 28 Aug 2023 15:47

Instrument :

MSVOA\_X

ClientSampleId :

RE123D2-20230819

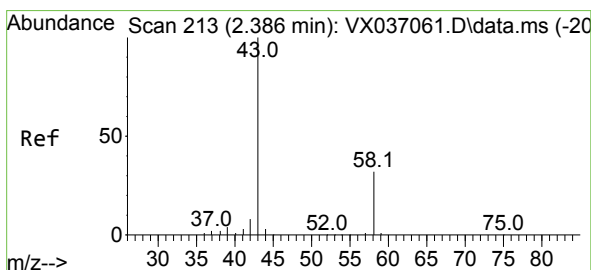
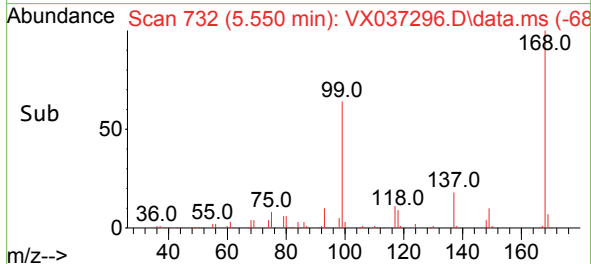
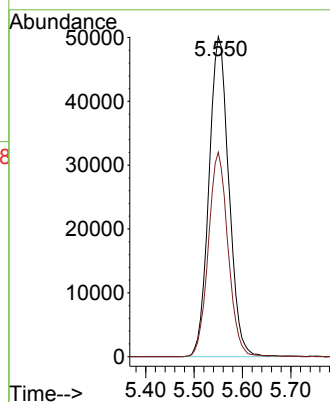


Tgt Ion:168 Resp: 143303

Ion Ratio Lower Upper

168 100

99 63.9 56.6 85.0



#16

Acetone

Concen: 1.055 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX037296.D

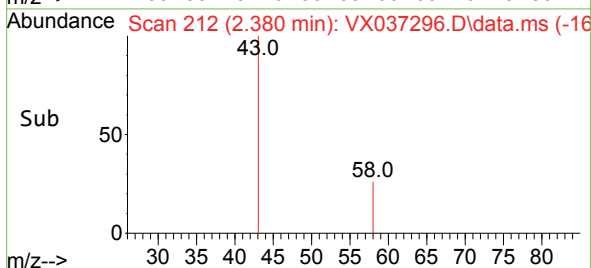
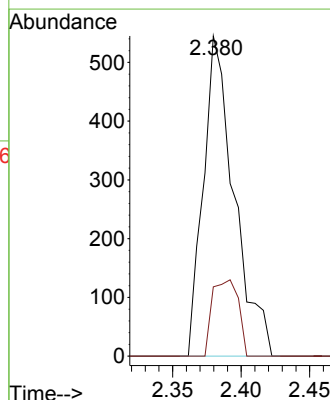
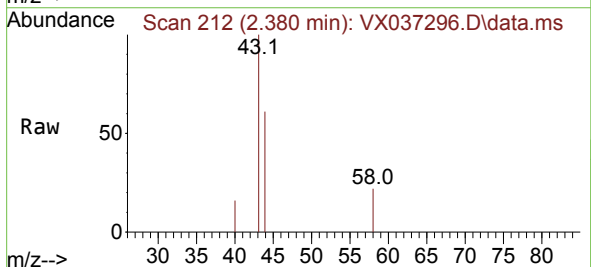
Acq: 28 Aug 2023 15:47

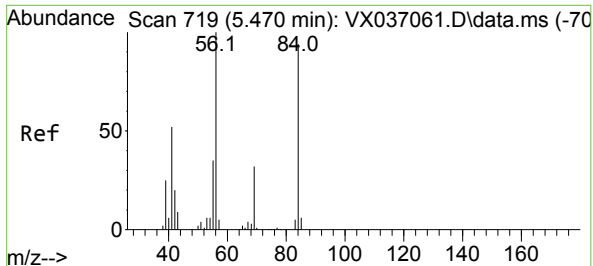
Tgt Ion: 43 Resp: 853

Ion Ratio Lower Upper

43 100

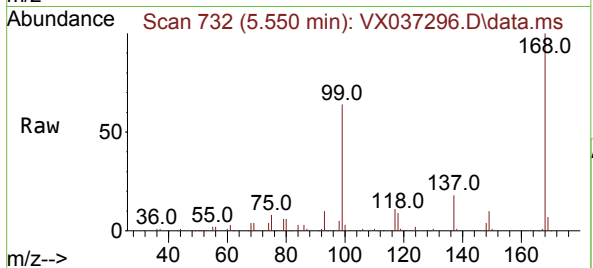
58 21.7 21.9 32.9#



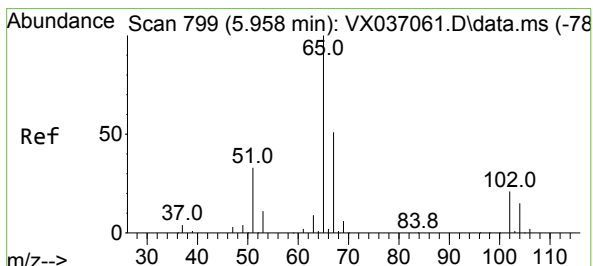
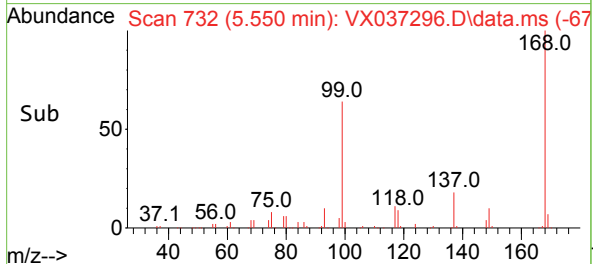
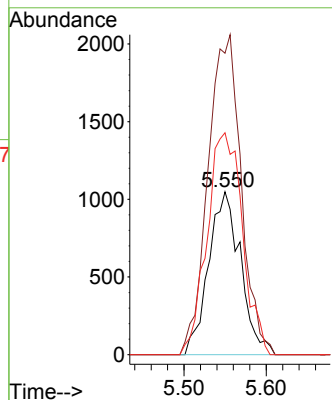


#31  
Cyclohexane  
Concen: 1.221 ug/l  
RT: 5.550 min Scan# 719  
Delta R.T. 0.079 min  
Lab File: VX037296.D  
Acq: 28 Aug 2023 15:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE123D2-20230819

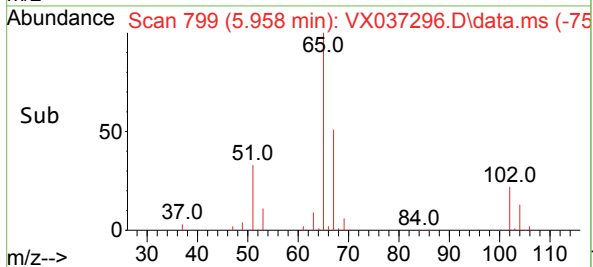
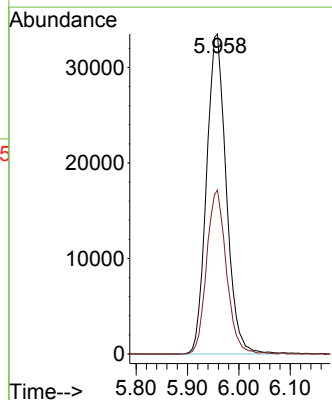
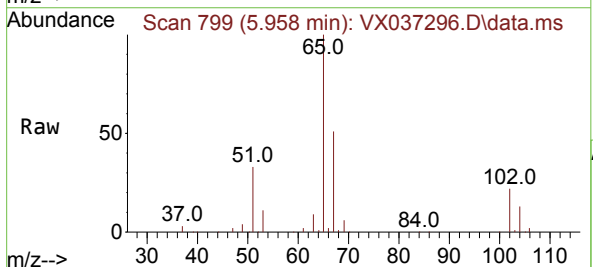


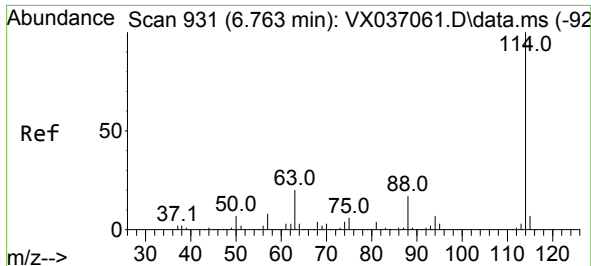
Tgt Ion: 56 Resp: 2836  
Ion Ratio Lower Upper  
56 100  
69 185.2 23.4 35.2#  
84 136.4 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 43.236 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX037296.D  
Acq: 28 Aug 2023 15:47

Tgt Ion: 65 Resp: 89325  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 100.2

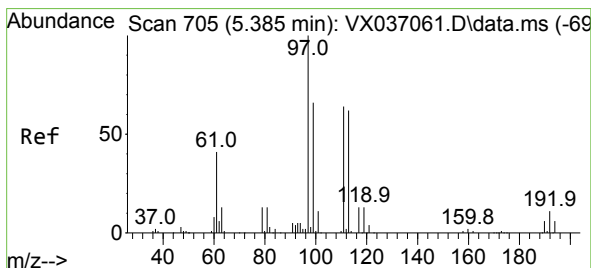
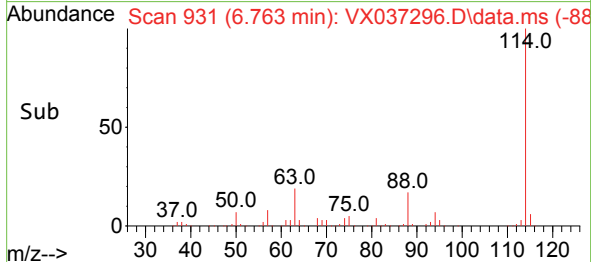
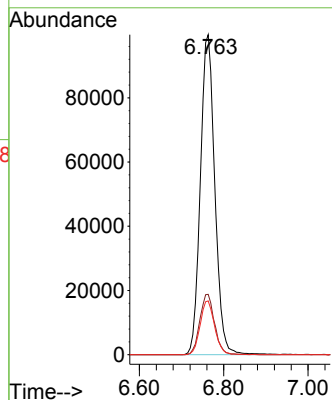
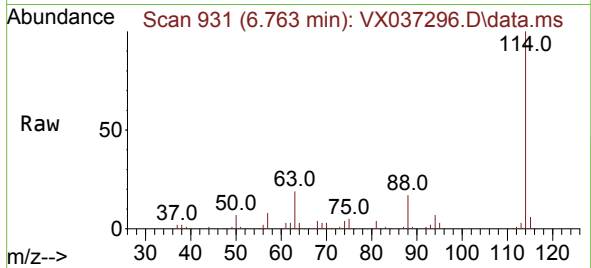




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX037296.D  
Acq: 28 Aug 2023 15:47

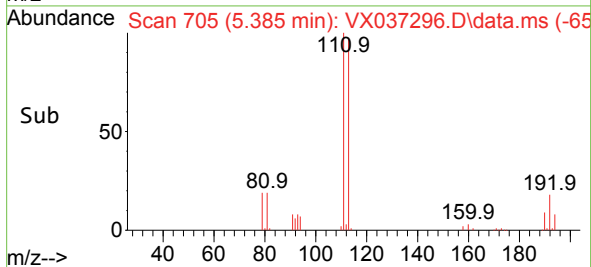
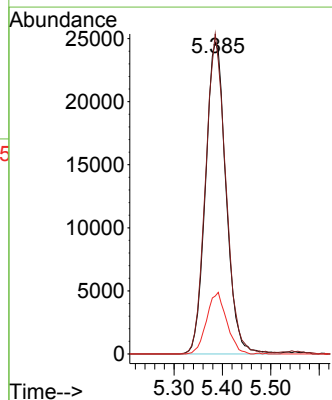
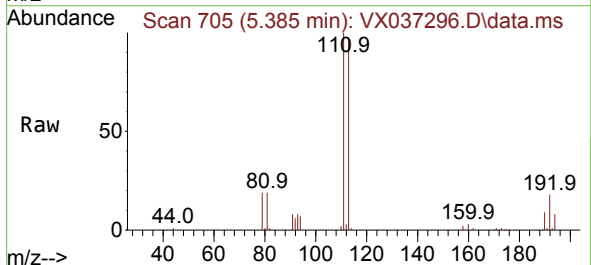
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE123D2-20230819

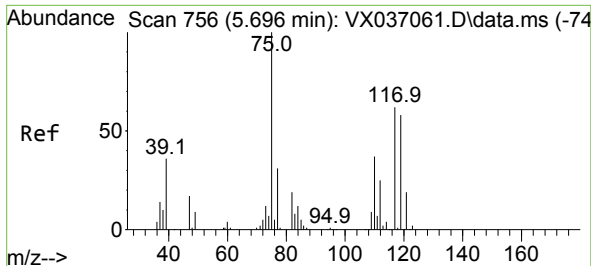
Tgt Ion:114 Resp: 238185  
Ion Ratio Lower Upper  
114 100  
63 18.9 0.0 45.0  
88 16.8 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 46.157 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX037296.D  
Acq: 28 Aug 2023 15:47

Tgt Ion:113 Resp: 72810  
Ion Ratio Lower Upper  
113 100  
111 101.2 82.9 124.3  
192 19.3 13.3 19.9

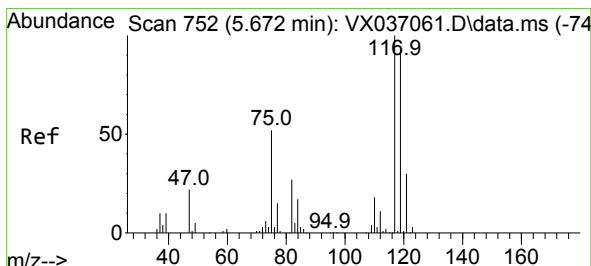
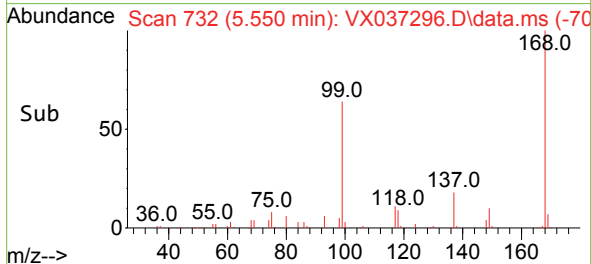
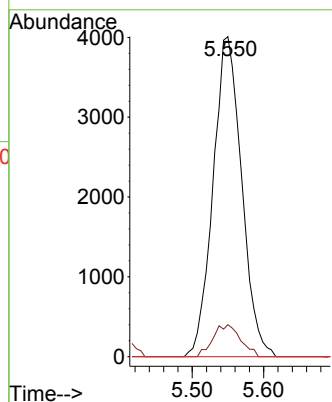
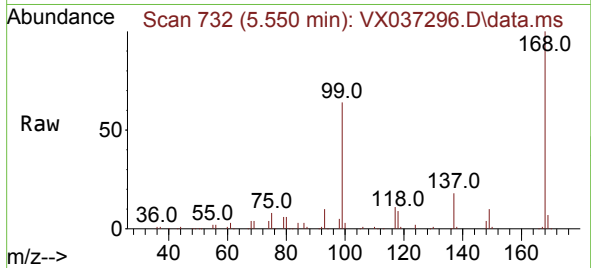




#36  
1,1-Dichloropropene  
Concen: 4.967 ug/l  
RT: 5.550 min Scan# 712  
Delta R.T. -0.146 min  
Lab File: VX037296.D  
Acq: 28 Aug 2023 15:47

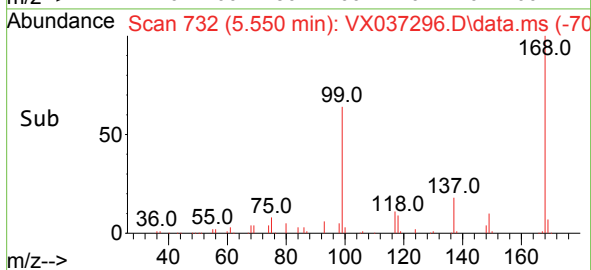
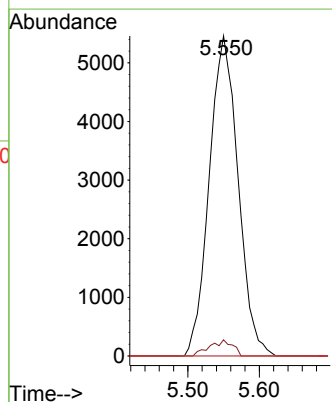
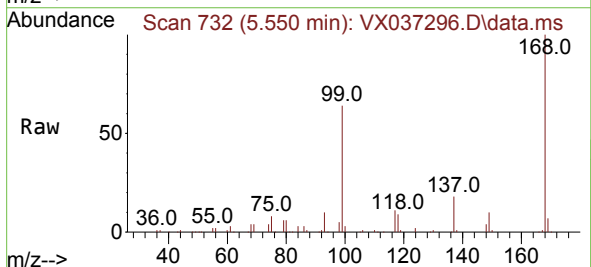
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE123D2-20230819

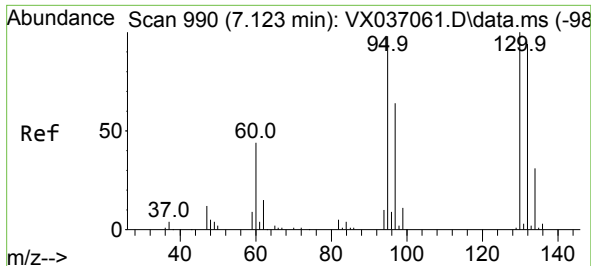
Tgt Ion: 75 Resp: 11131  
Ion Ratio Lower Upper  
75 100  
110 9.6 17.0 50.9#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 6.281 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.122 min  
Lab File: VX037296.D  
Acq: 28 Aug 2023 15:47

Tgt Ion: 117 Resp: 15292  
Ion Ratio Lower Upper  
117 100  
119 5.1 78.2 117.2#  
121 0.0 24.4 36.6#

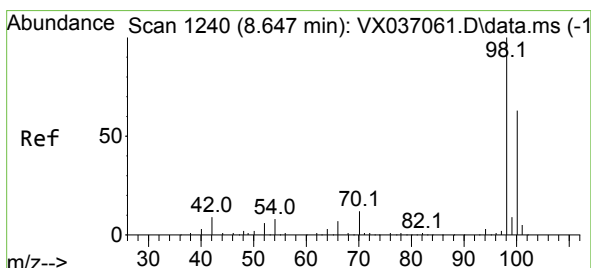
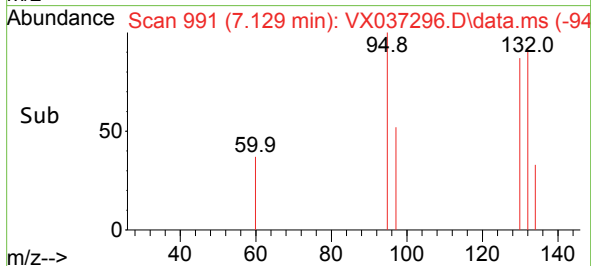
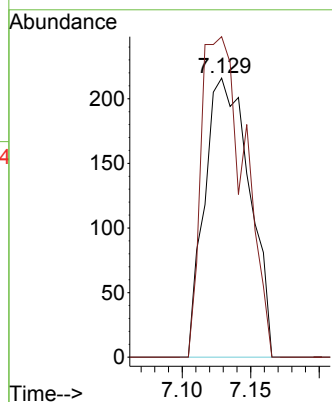
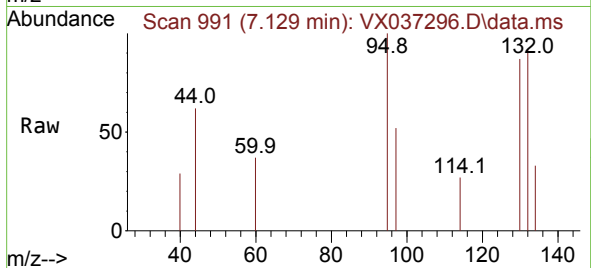




#44  
Trichloroethene  
Concen: 0.269 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. 0.006 min  
Lab File: VX037296.D  
Acq: 28 Aug 2023 15:47

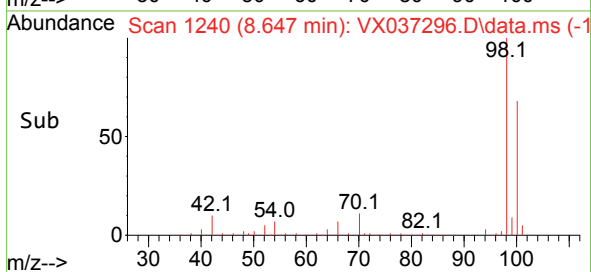
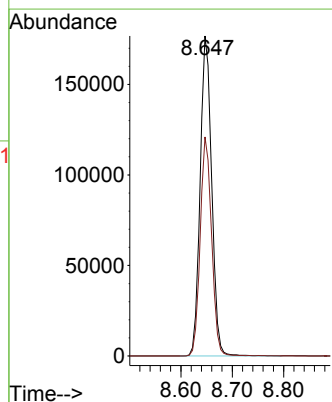
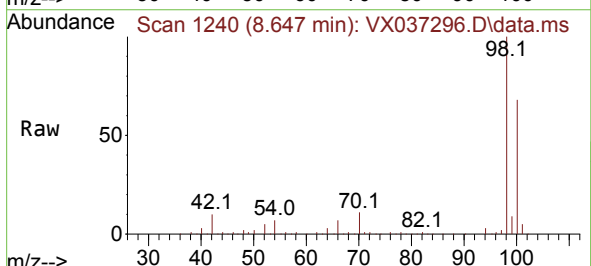
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE123D2-20230819

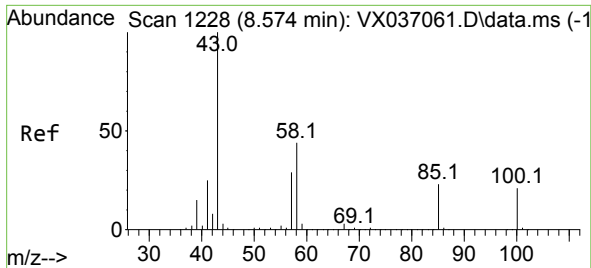
Tgt Ion:130 Resp: 491  
Ion Ratio Lower Upper  
130 100  
95 114.8 0.0 204.4



#50  
Toluene-d8  
Concen: 48.000 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX037296.D  
Acq: 28 Aug 2023 15:47

Tgt Ion: 98 Resp: 274656  
Ion Ratio Lower Upper  
98 100  
100 67.7 53.1 79.7

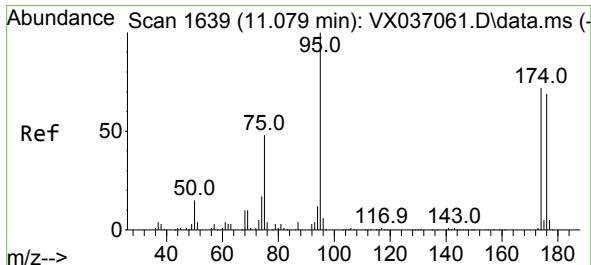
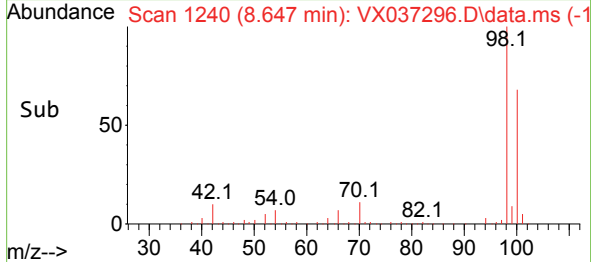
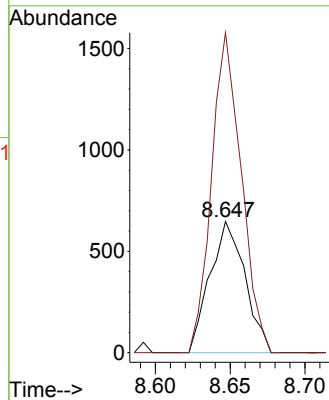
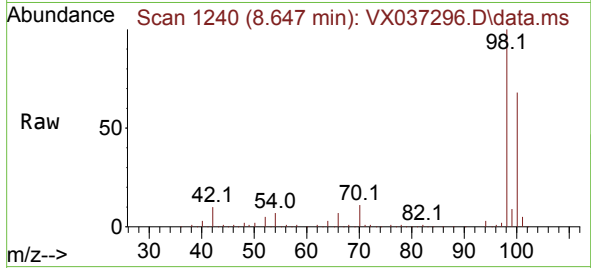




#51  
4-Methyl-2-Pentanone  
Concen: 0.478 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.073 min  
Lab File: VX037296.D  
Acq: 28 Aug 2023 15:47

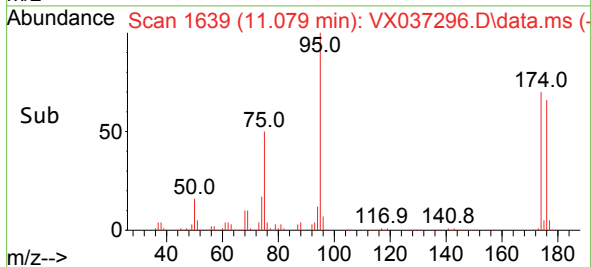
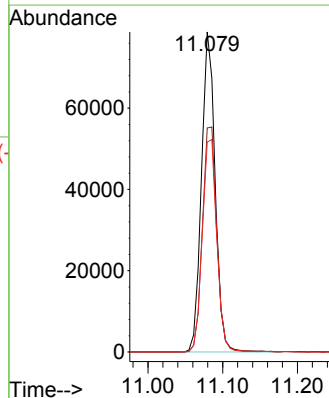
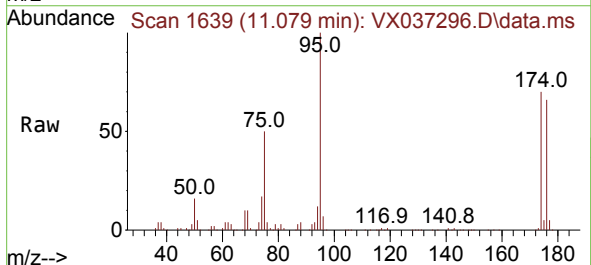
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE123D2-20230819

Tgt Ion: 43 Resp: 1055  
Ion Ratio Lower Upper  
43 100  
58 207.4 30.4 45.6#

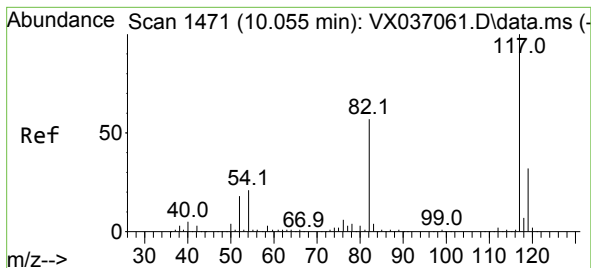


#62  
4-Bromofluorobenzene  
Concen: 44.512 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX037296.D  
Acq: 28 Aug 2023 15:47

Tgt Ion: 95 Resp: 100092  
Ion Ratio Lower Upper  
95 100  
174 73.8 0.0 135.6  
176 70.5 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: VX037296.D

Acq: 28 Aug 2023 15:47

Instrument :

MSVOA\_X

ClientSampleId :

RE123D2-20230819

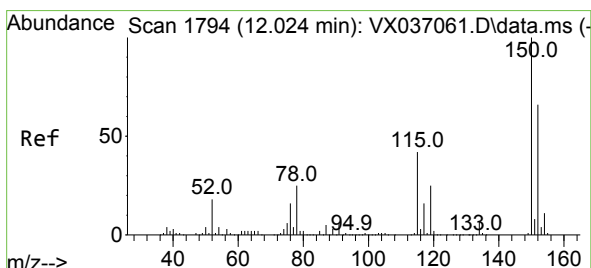
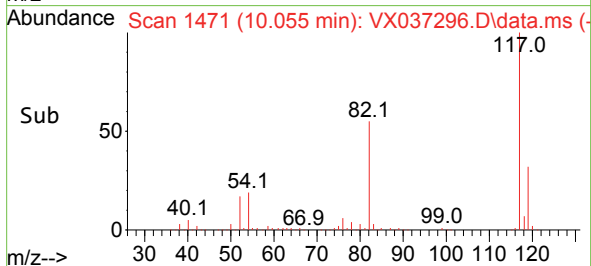
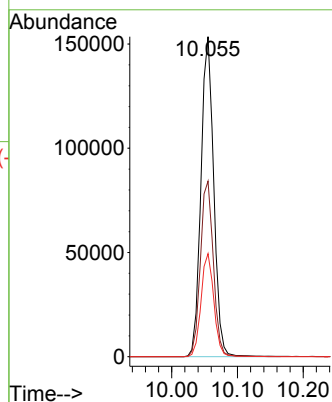
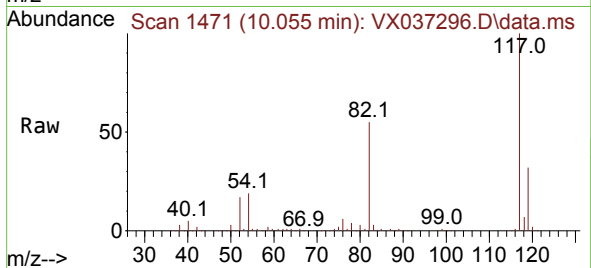
Tgt Ion:117 Resp: 207236

Ion Ratio Lower Upper

117 100

82 54.9 46.2 69.4

119 32.2 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: VX037296.D

Acq: 28 Aug 2023 15:47

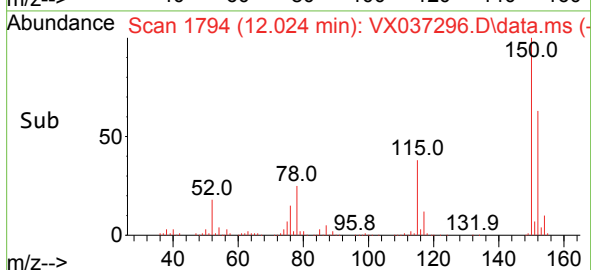
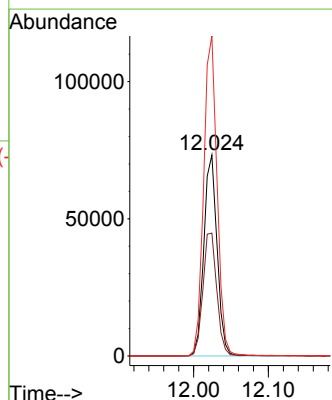
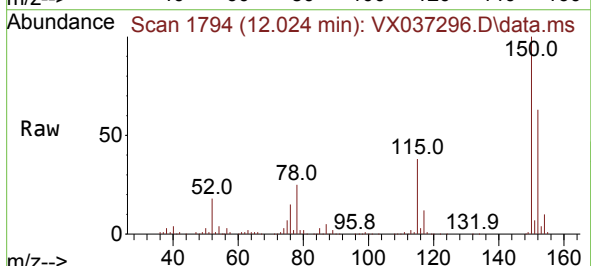
Tgt Ion:152 Resp: 90652

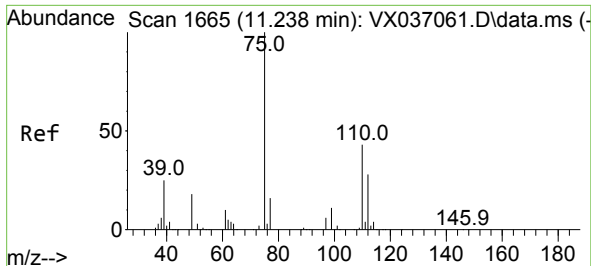
Ion Ratio Lower Upper

152 100

115 64.1 43.3 129.9

150 160.5 0.0 345.0

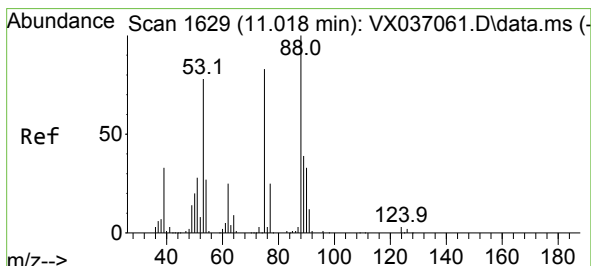
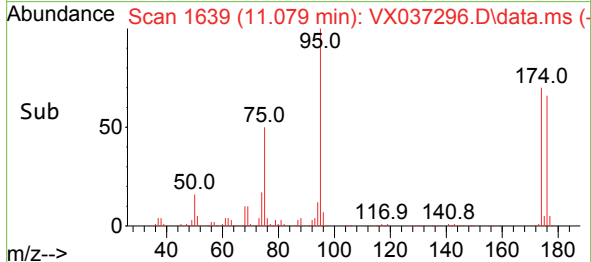
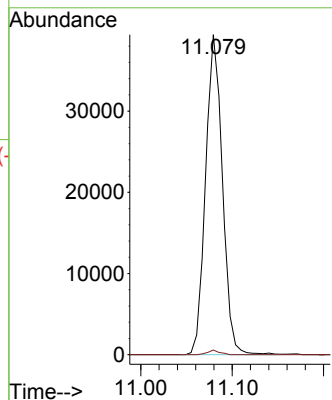
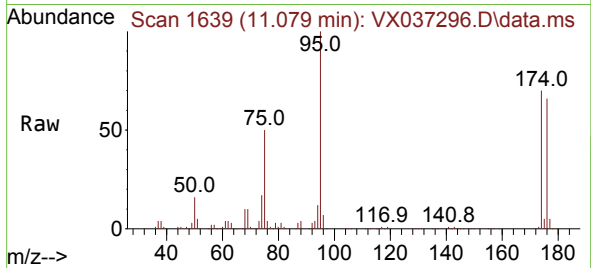




#76  
1,2,3-Trichloropropane  
Concen: 26.050 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX037296.D  
Acq: 28 Aug 2023 15:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE123D2-20230819

Tgt Ion: 75 Resp: 50292  
Ion Ratio Lower Upper  
75 100  
77 1.0 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 72.759 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX037296.D  
Acq: 28 Aug 2023 15:47

Tgt Ion: 75 Resp: 50292  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#

