

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032823\  
 Data File : VY013116.D  
 Acq On : 28 Mar 2023 15:01  
 Operator : KP/MD  
 Sample : 02111-01RE  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 APCS-SOUTH

Quant Time: Mar 29 02:29:30 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 03 01:13:13 2023  
 Response via : Initial Calibration

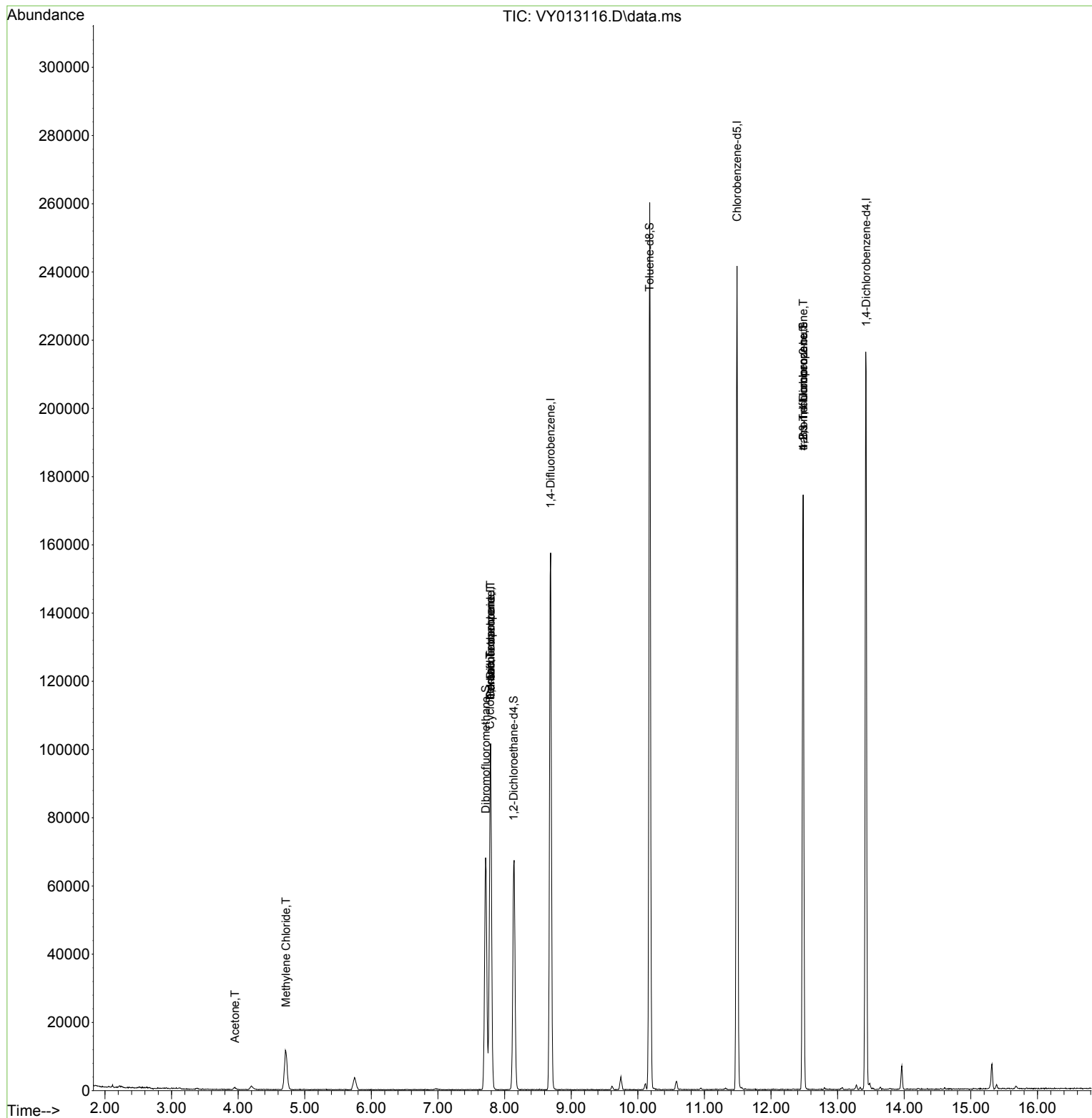
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.789     | 168   | 76617    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691     | 114   | 130665   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489    | 117   | 123839   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152   | 55421    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136     | 65    | 52959    | 69.618   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 139.240% |          |
| 35) Dibromofluoromethane      | 7.716     | 113   | 46749    | 59.284   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 118.560% |          |
| 50) Toluene-d8                | 10.179    | 98    | 162054   | 56.214   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery | = 112.420% |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95    | 48461    | 49.805   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery | = 99.600%  |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 16) Acetone                   | 3.954     | 43    | 1075     | 3.600    | ug/l       | 92       |
| 20) Methylene Chloride        | 4.716     | 84    | 8045     | 3.873    | ug/l       | 97       |
| 31) Cyclohexane               | 7.783     | 56    | 1814     | 1.245    | ug/l #     | 16       |
| 36) 1,1-Dichloropropene       | 7.789     | 75    | 5892     | 4.459    | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 7.789     | 117   | 7368     | 5.399    | ug/l #     | 14       |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75    | 26500    | 40.041   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75    | 26500    | 82.967   | ug/l #     | 13       |
| -----                         |           |       |          |          |            |          |

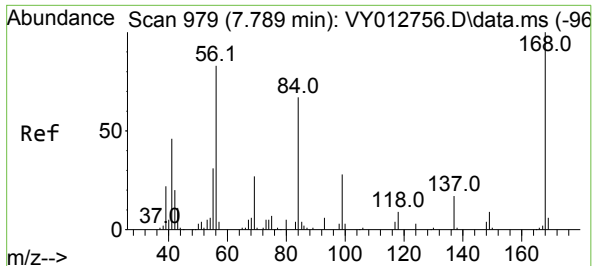
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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Quant Time: Mar 29 02:29:30 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 03 01:13:13 2023  
Response via : Initial Calibration

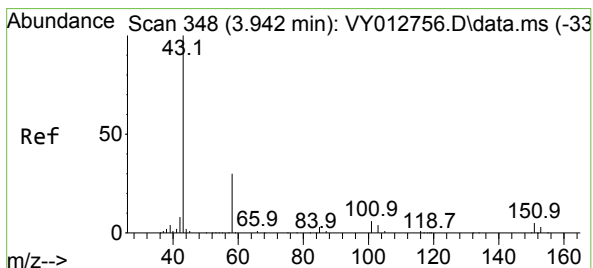
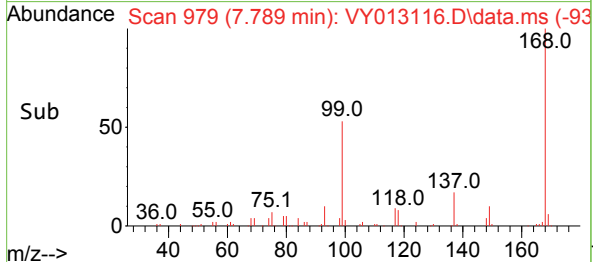
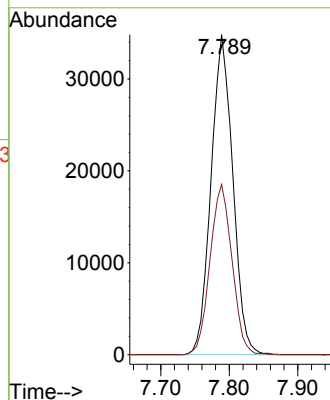
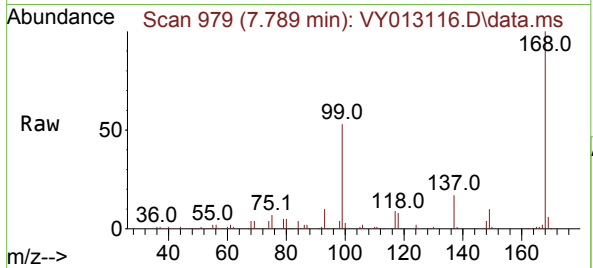




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013116.D  
Acq: 28 Mar 2023 15:01

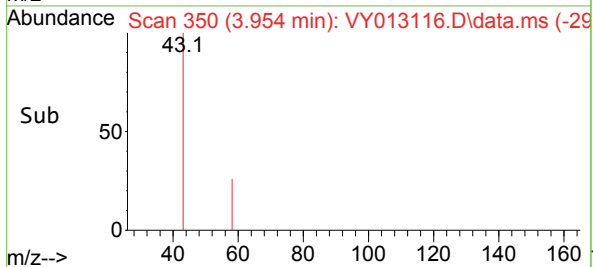
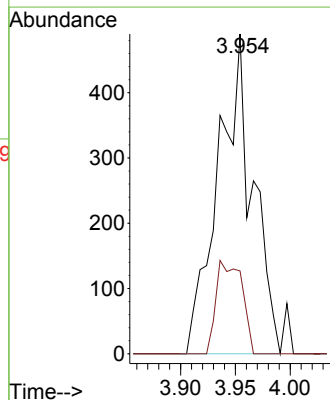
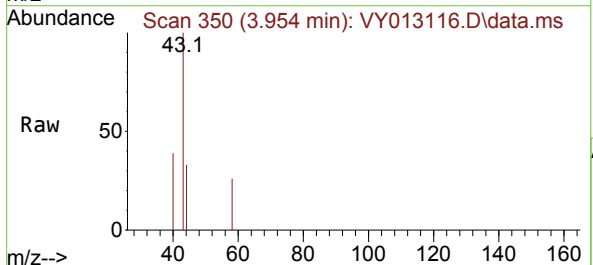
Instrument :  
MSVOA\_Y  
ClientSampleId :  
APCS-SOUTH

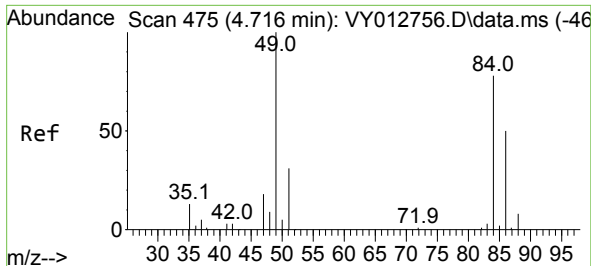
Tgt Ion:168 Resp: 76617  
Ion Ratio Lower Upper  
168 100  
99 53.2 41.7 62.5



#16  
Acetone  
Concen: 3.600 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.012 min  
Lab File: VY013116.D  
Acq: 28 Mar 2023 15:01

Tgt Ion: 43 Resp: 1075  
Ion Ratio Lower Upper  
43 100  
58 25.9 24.2 36.2





#20

Methylene Chloride

Concen: 3.873 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY013116.D

Acq: 28 Mar 2023 15:01

Instrument :

MSVOA\_Y

ClientSampleId :

APCS-SOUTH

Tgt Ion: 84 Resp: 8045

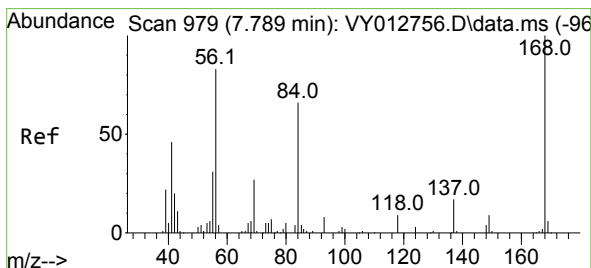
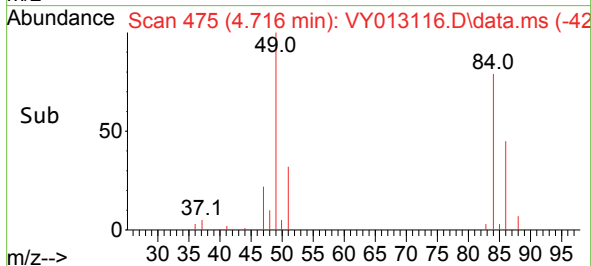
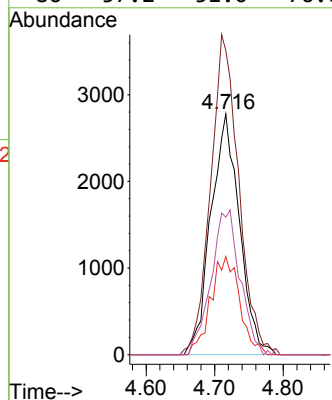
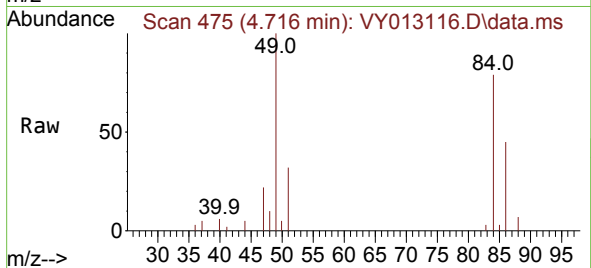
Ion Ratio Lower Upper

84 100

49 126.4 102.6 154.0

51 40.7 31.9 47.9

86 57.2 51.0 76.6



#31

Cyclohexane

Concen: 1.245 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY013116.D

Acq: 28 Mar 2023 15:01

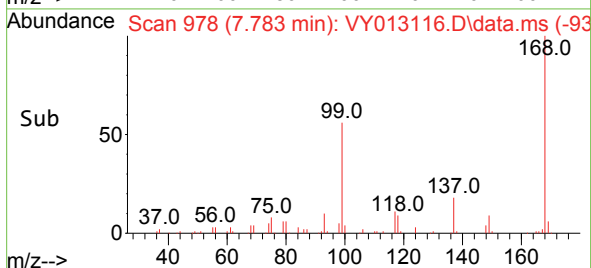
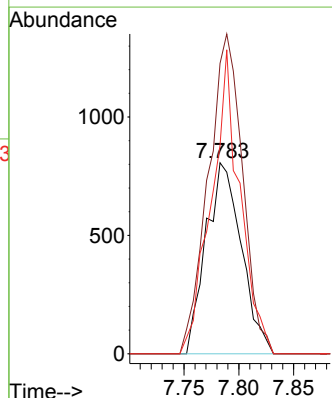
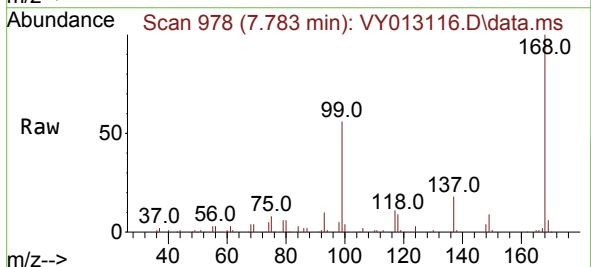
Tgt Ion: 56 Resp: 1814

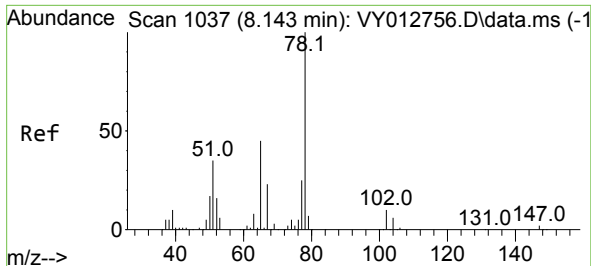
Ion Ratio Lower Upper

56 100

69 152.0 25.7 38.5#

84 109.0 64.3 96.5#

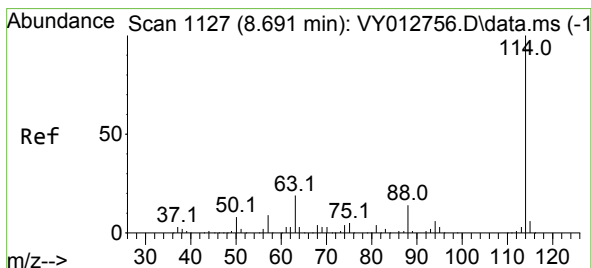
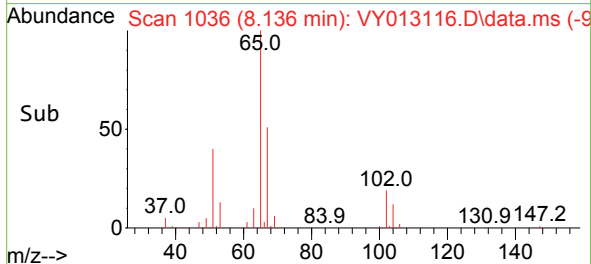
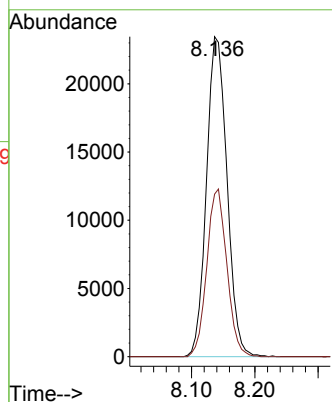
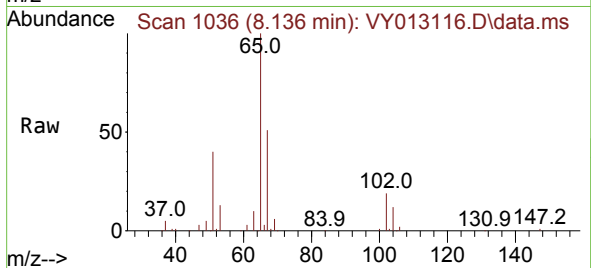




#33  
1,2-Dichloroethane-d4  
Concen: 69.618 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.007 min  
Lab File: VY013116.D  
Acq: 28 Mar 2023 15:01

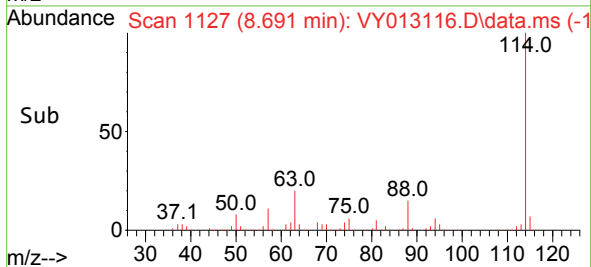
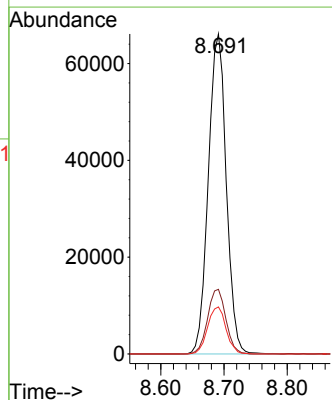
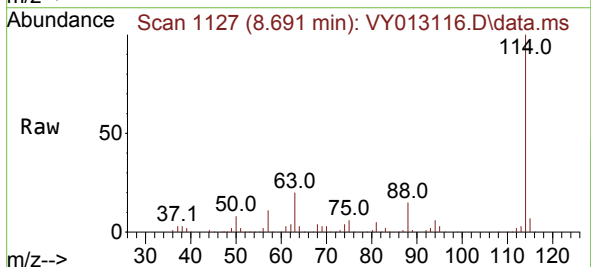
Instrument :  
MSVOA\_Y  
ClientSampleId :  
APCS-SOUTH

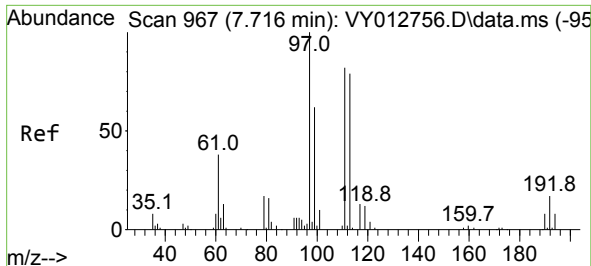
Tgt Ion: 65 Resp: 52959  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 104.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. -0.000 min  
Lab File: VY013116.D  
Acq: 28 Mar 2023 15:01

Tgt Ion: 114 Resp: 130665  
Ion Ratio Lower Upper  
114 100  
63 20.2 0.0 37.4  
88 14.7 0.0 28.6

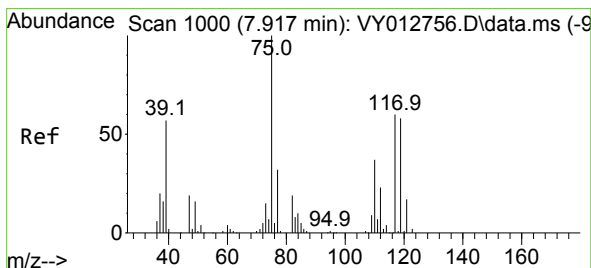
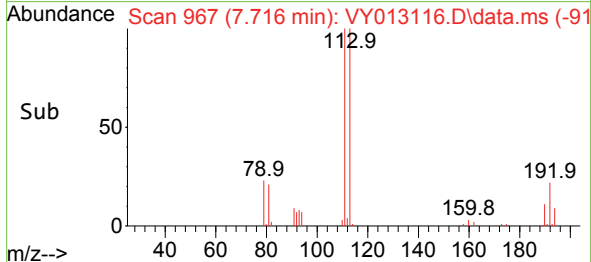
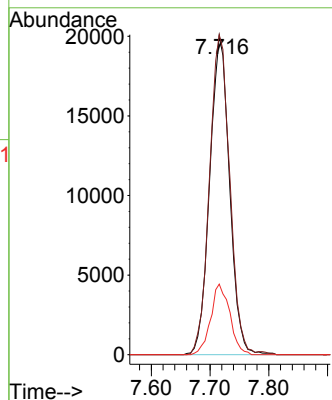
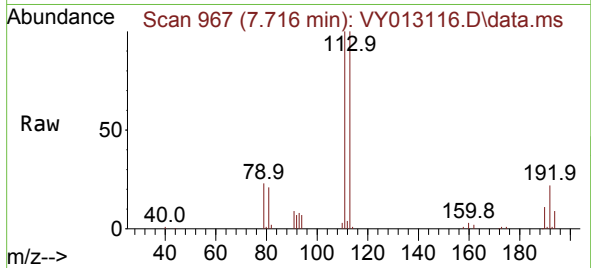




#35  
Dibromofluoromethane  
Concen: 59.284 ug/l  
RT: 7.716 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: VY013116.D  
Acq: 28 Mar 2023 15:01

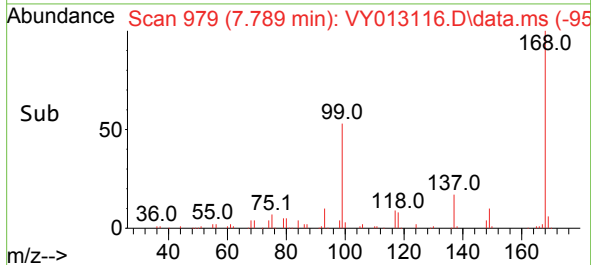
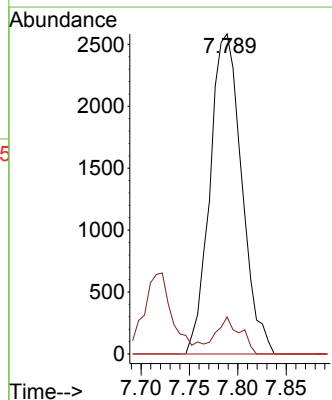
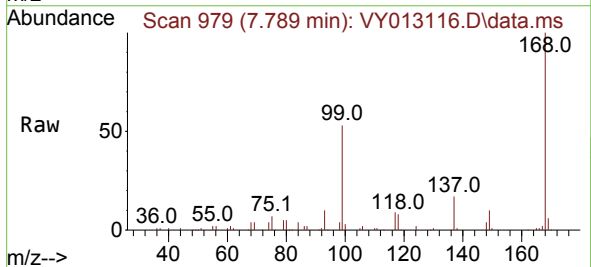
Instrument :  
MSVOA\_Y  
ClientSampleId :  
APCS-SOUTH

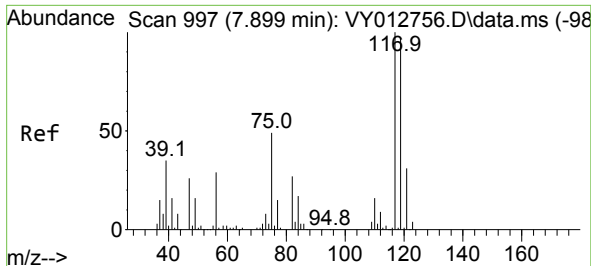
Tgt Ion:113 Resp: 46749  
Ion Ratio Lower Upper  
113 100  
111 103.2 82.2 123.2  
192 21.5 16.8 25.2



#36  
1,1-Dichloropropene  
Concen: 4.459 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.128 min  
Lab File: VY013116.D  
Acq: 28 Mar 2023 15:01

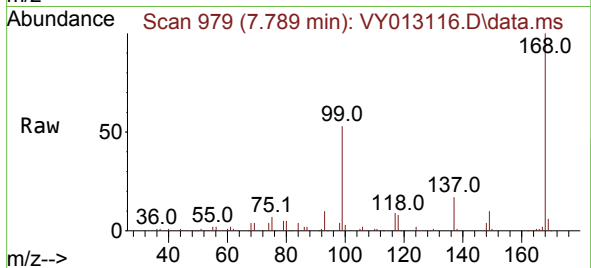
Tgt Ion: 75 Resp: 5892  
Ion Ratio Lower Upper  
75 100  
110 8.7 17.8 53.3#  
77 0.0 25.0 37.4#



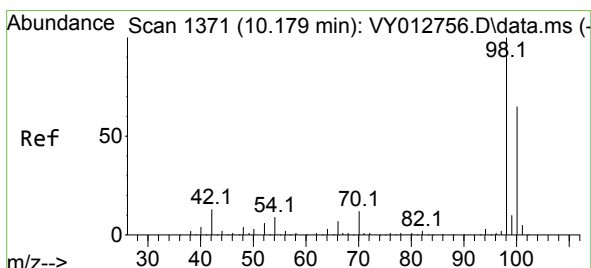
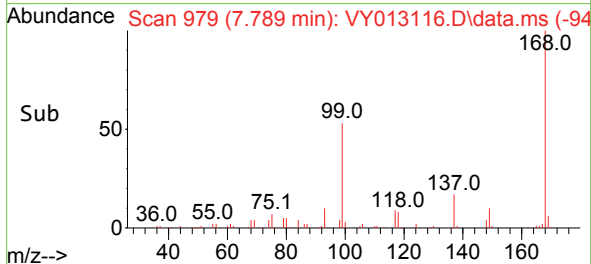
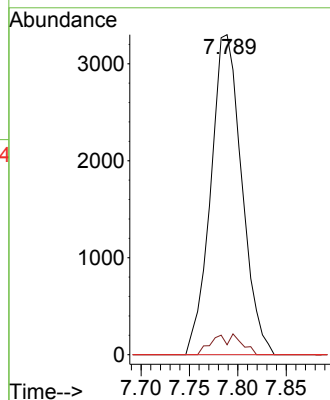


#38  
Carbon Tetrachloride  
Concen: 5.399 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY013116.D  
Acq: 28 Mar 2023 15:01

Instrument :  
MSVOA\_Y  
ClientSampleId :  
APCS-SOUTH

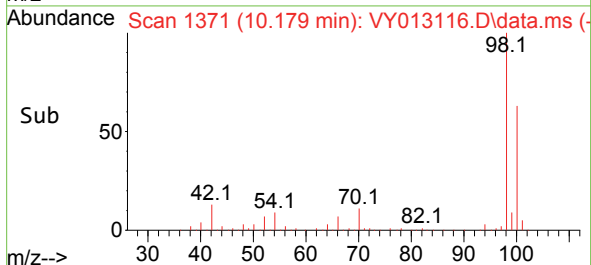
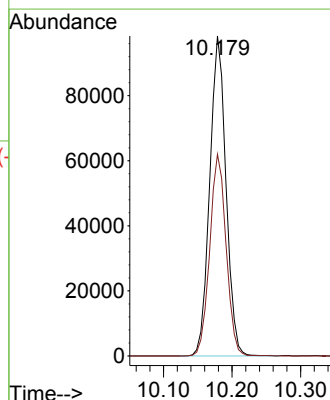
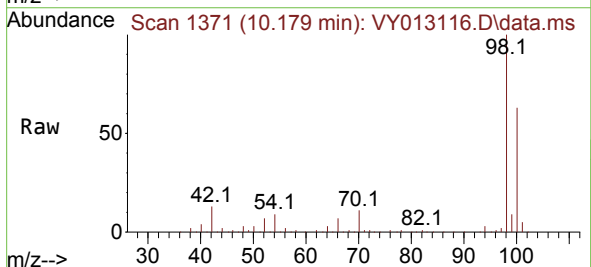


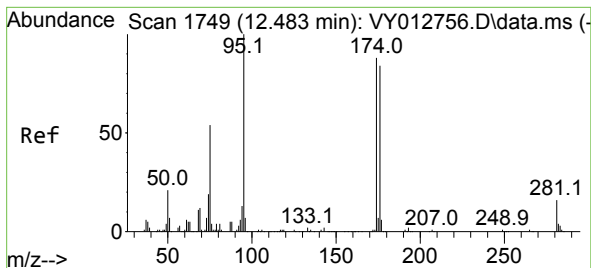
Tgt Ion:117 Resp: 7368  
Ion Ratio Lower Upper  
117 100  
119 3.1 77.2 115.8#  
121 0.0 24.7 37.1#



#50  
Toluene-d8  
Concen: 56.214 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY013116.D  
Acq: 28 Mar 2023 15:01

Tgt Ion: 98 Resp: 162054  
Ion Ratio Lower Upper  
98 100  
100 63.5 50.9 76.3

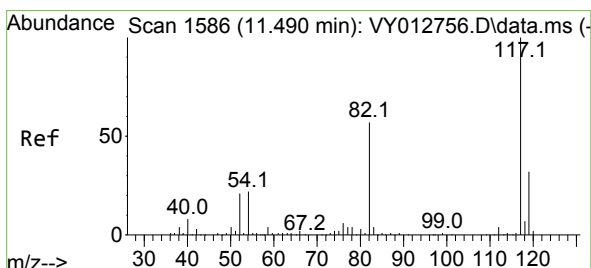
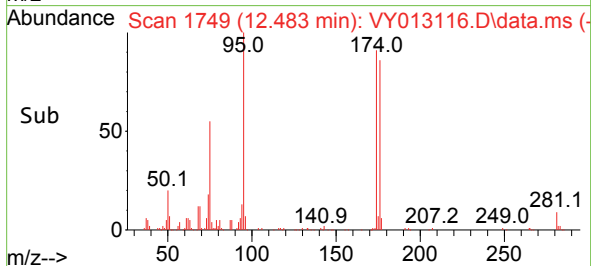
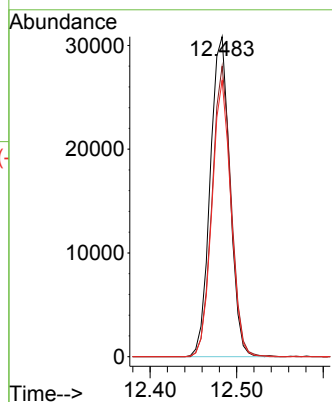
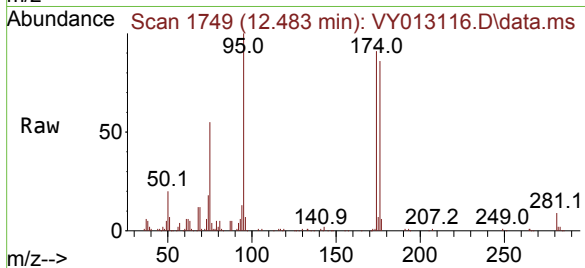




#62  
4-Bromofluorobenzene  
Concen: 49.805 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY013116.D  
Acq: 28 Mar 2023 15:01

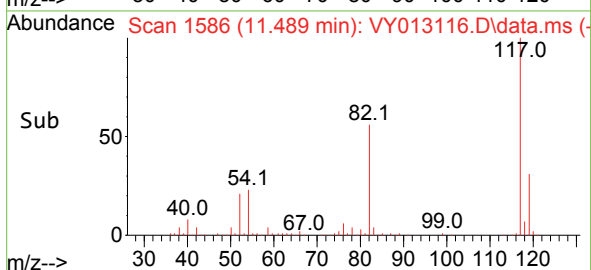
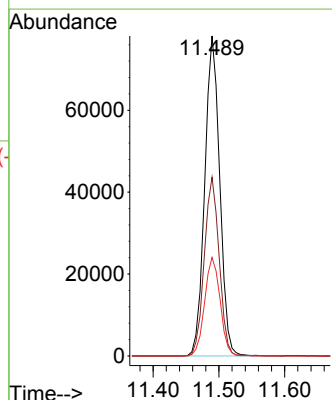
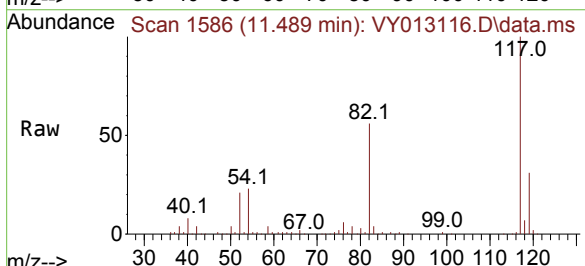
Instrument :  
MSVOA\_Y  
ClientSampleId :  
APCS-SOUTH

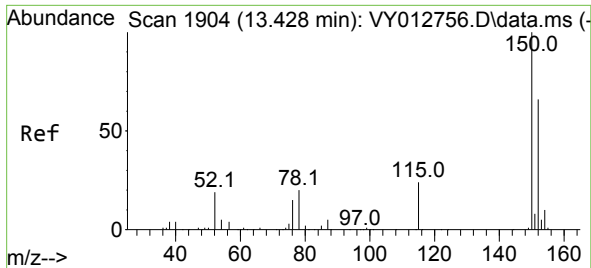
Tgt Ion: 95 Resp: 48461  
Ion Ratio Lower Upper  
95 100  
174 88.7 0.0 176.6  
176 83.7 0.0 170.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY013116.D  
Acq: 28 Mar 2023 15:01

Tgt Ion: 117 Resp: 123839  
Ion Ratio Lower Upper  
117 100  
82 55.9 45.4 68.0  
119 30.8 25.6 38.4

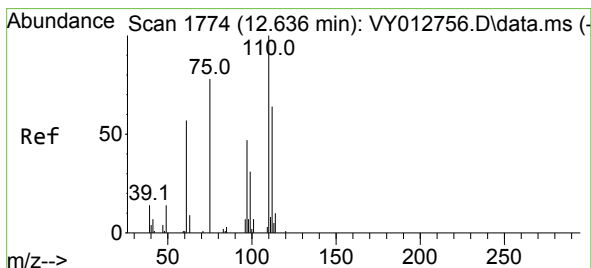
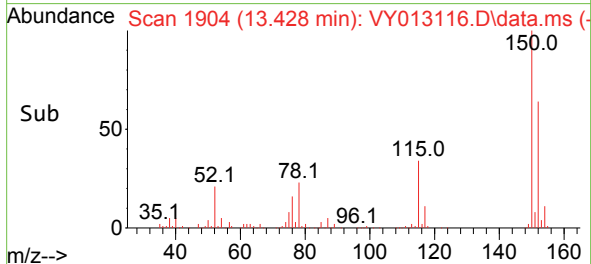
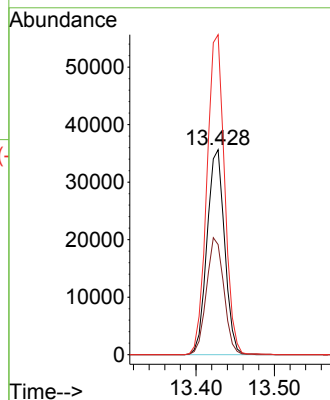
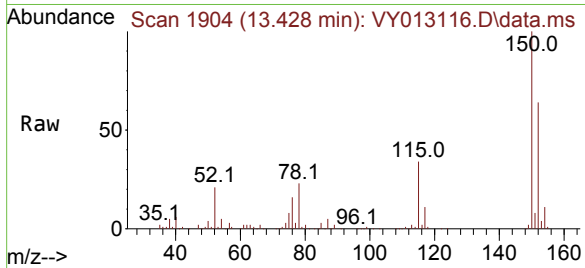




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. -0.000 min  
 Lab File: VY013116.D  
 Acq: 28 Mar 2023 15:01

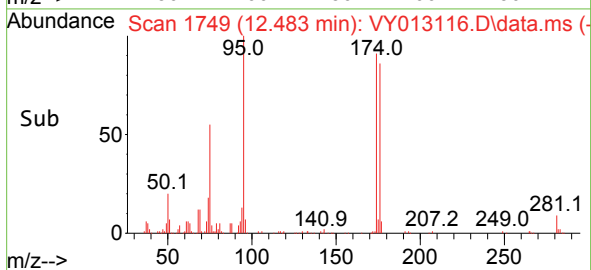
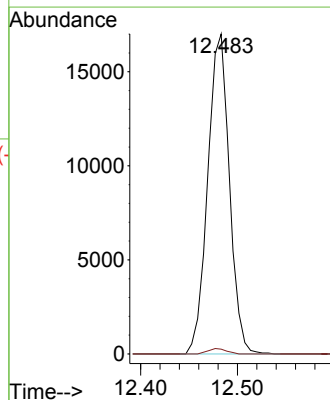
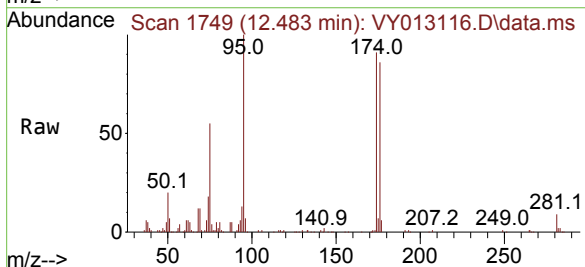
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
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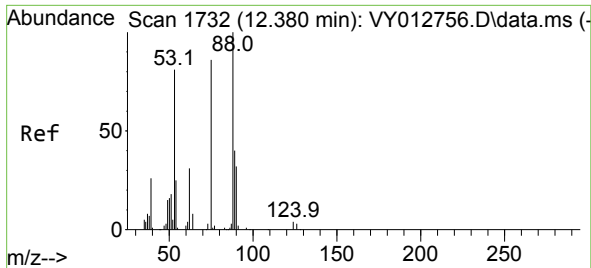
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 Ion Ratio Lower Upper  
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 115 56.6 27.1 81.3  
 150 157.1 0.0 347.8



#76  
 1,2,3-Trichloropropane  
 Concen: 40.041 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.152 min  
 Lab File: VY013116.D  
 Acq: 28 Mar 2023 15:01

Tgt Ion: 75 Resp: 26500  
 Ion Ratio Lower Upper  
 75 100  
 77 1.4 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 82.967 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY013116.D  
 Acq: 28 Mar 2023 15:01

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 APCS-SOUTH

Tgt Ion: 75 Resp: 26500  
 Ion Ratio Lower Upper  
 75 100  
 53 0.2 73.4 110.0#  
 89 0.1 36.6 55.0#

