

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032723\  
 Data File : VY013102.D  
 Acq On : 27 Mar 2023 19:15  
 Operator : KP/MD  
 Sample : 02111-05  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 APCS-WEST

Quant Time: Mar 28 01:48:18 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

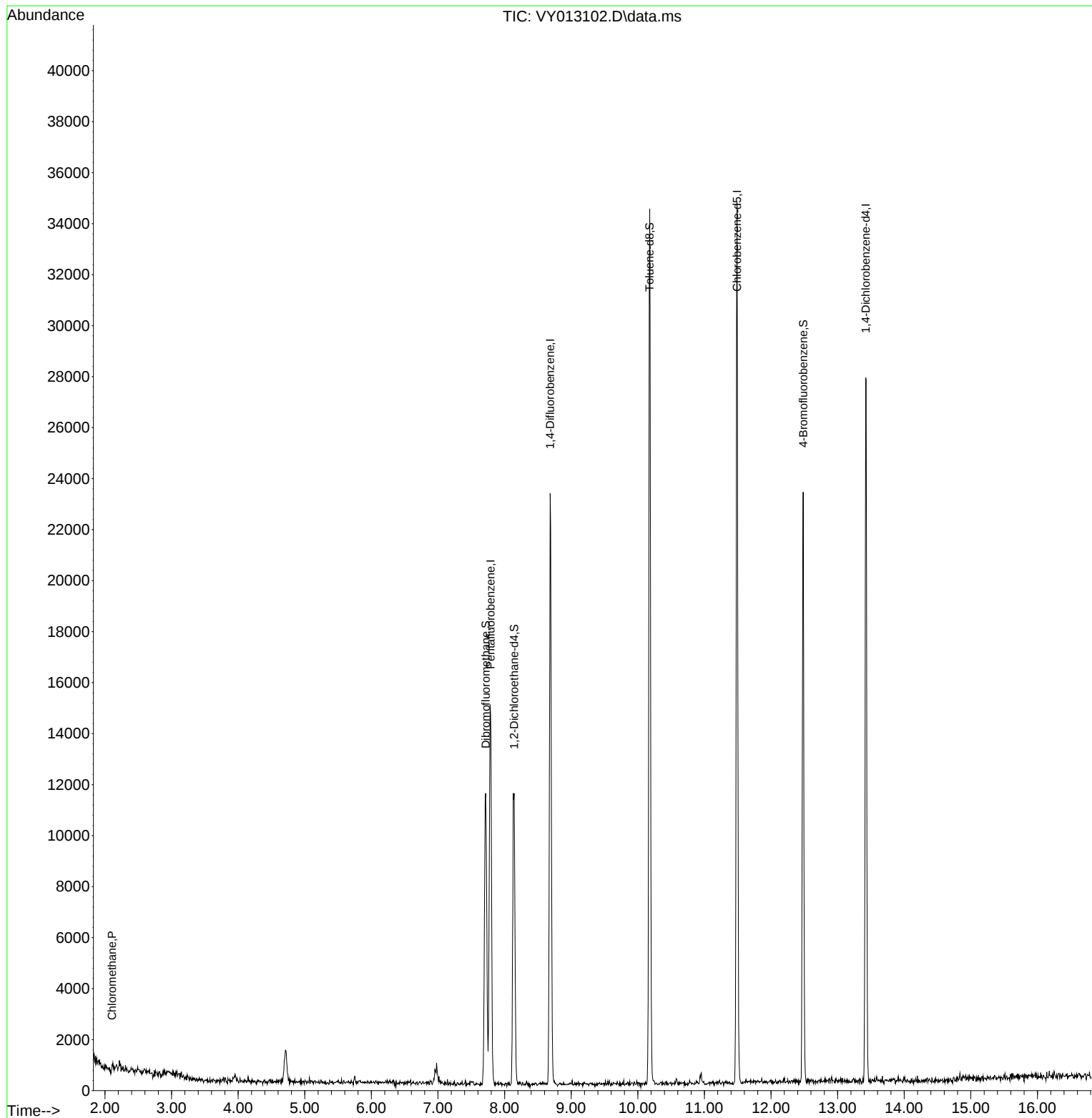
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 12364    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 19403    | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 18748    | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 7133     | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 9583     | 78.064   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 156.120% |          |
| 35) Dibromofluoromethane    | 7.715  | 113   | 8288     | 70.779   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 141.560% |          |
| 50) Toluene-d8              | 10.178 | 98    | 23770    | 55.527   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 111.060% |          |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 6685     | 46.267   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 92.540%  |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 3) Chloromethane            | 2.107  | 50    | 252      | 1.730    | ug/l       | 91       |
| -----                       |        |       |          |          |            |          |

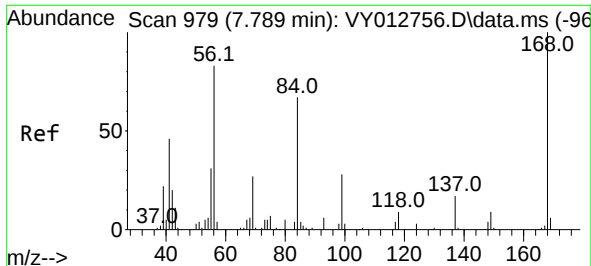
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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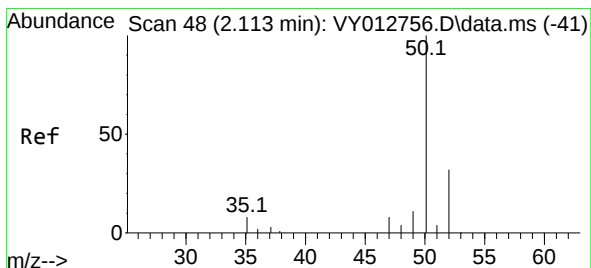
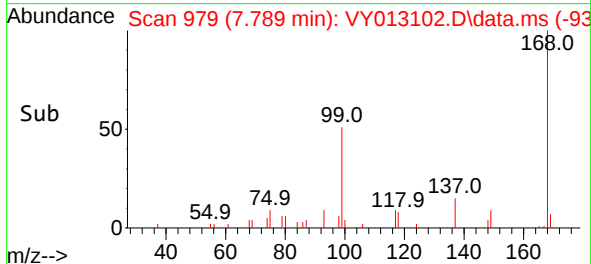
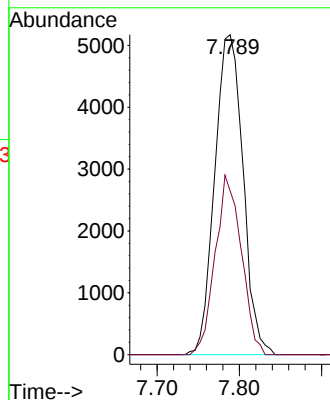
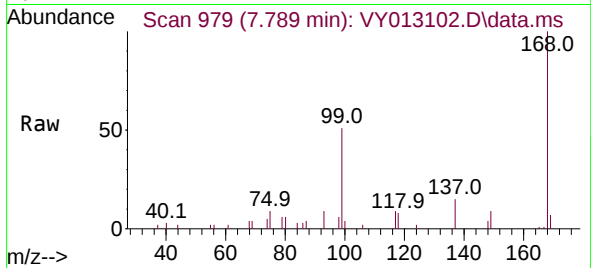




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013102.D  
Acq: 27 Mar 2023 19:15

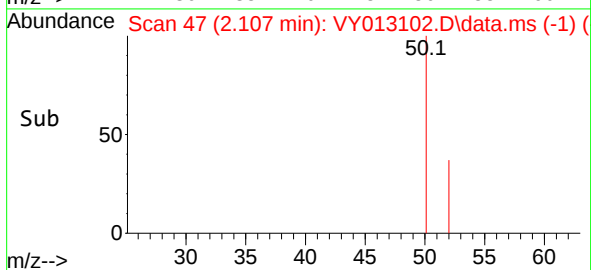
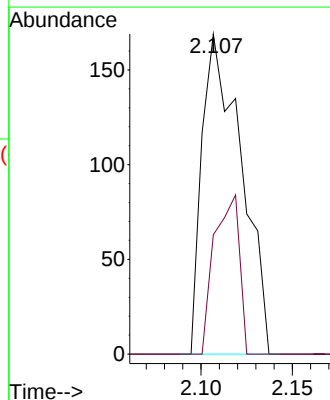
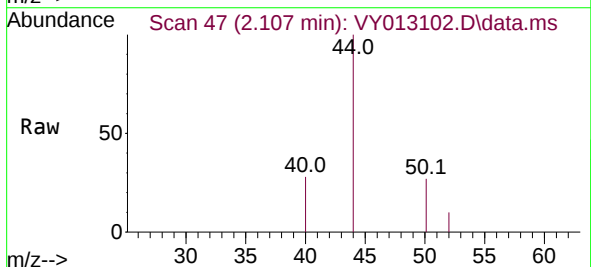
Instrument :  
MSVOA\_Y  
ClientSampleId :  
APCS-WEST

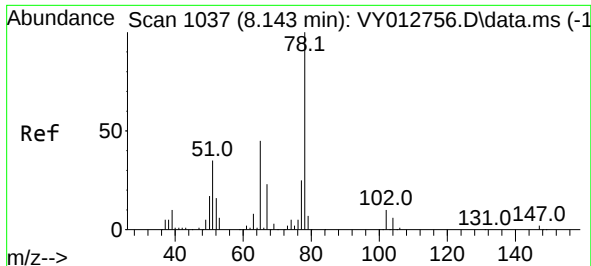
Tgt Ion:168 Resp: 12364  
Ion Ratio Lower Upper  
168 100  
99 51.2 41.7 62.5



#3  
Chloromethane  
Concen: 1.730 ug/l  
RT: 2.107 min Scan# 47  
Delta R.T. -0.006 min  
Lab File: VY013102.D  
Acq: 27 Mar 2023 19:15

Tgt Ion: 50 Resp: 252  
Ion Ratio Lower Upper  
50 100  
52 37.3 26.0 39.0





#33

1,2-Dichloroethane-d4

Concen: 78.064 ug/l

RT: 8.142 min Scan# 1102

Delta R.T. -0.001 min

Lab File: VY013102.D

Acq: 27 Mar 2023 19:15

Instrument :

MSVOA\_Y

ClientSampleId :

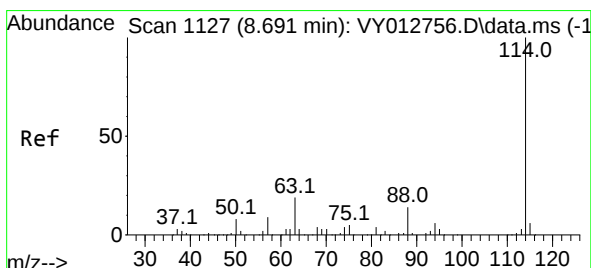
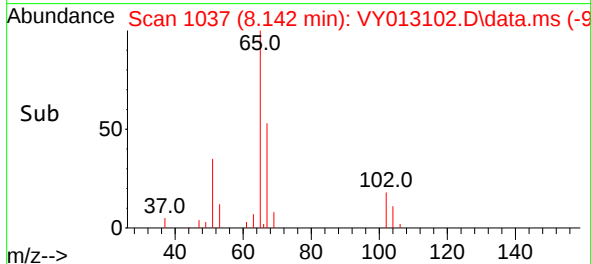
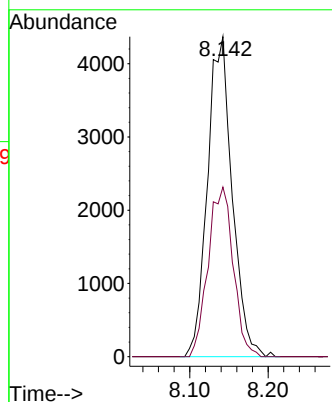
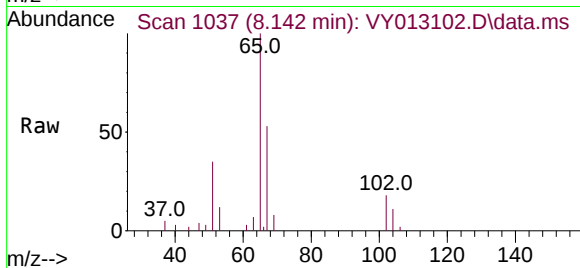
APCS-WEST

Tgt Ion: 65 Resp: 9583

Ion Ratio Lower Upper

65 100

67 53.7 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013102.D

Acq: 27 Mar 2023 19:15

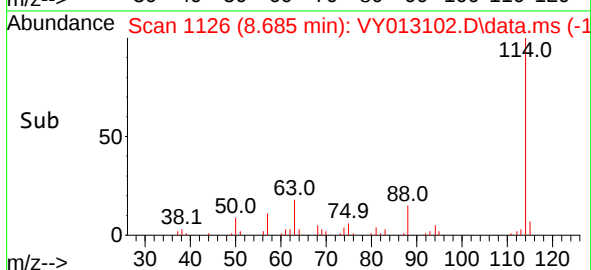
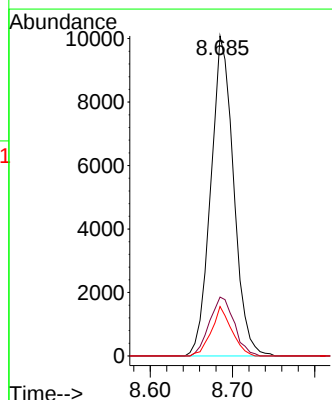
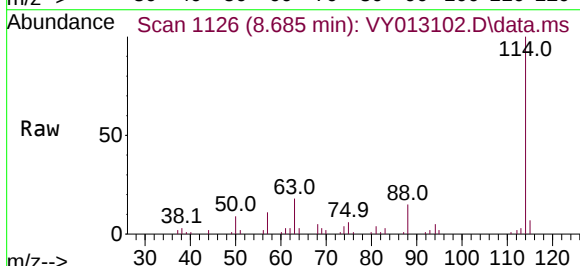
Tgt Ion: 114 Resp: 19403

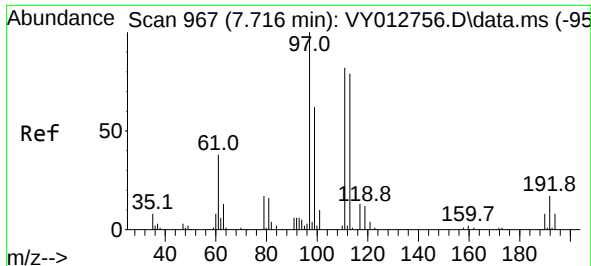
Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.4

88 15.4 0.0 28.6





#35

Dibromofluoromethane

Concen: 70.779 ug/l

RT: 7.715 min Scan# 9

Delta R.T. -0.000 min

Lab File: VY013102.D

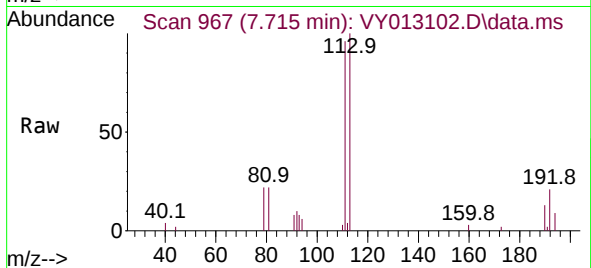
Acq: 27 Mar 2023 19:15

Instrument :

MSVOA\_Y

ClientSampleId :

APCS-WEST



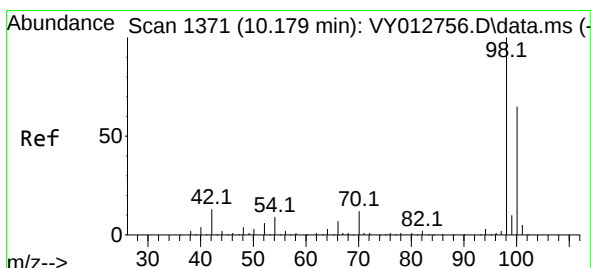
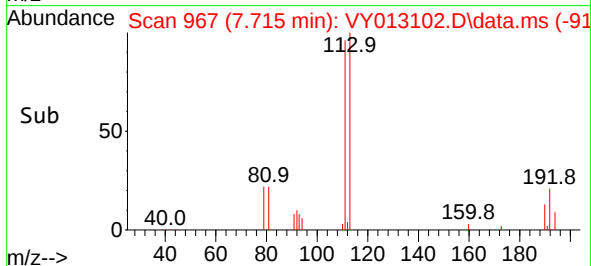
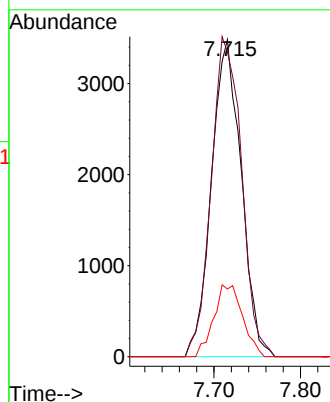
Tgt Ion:113 Resp: 8288

Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.2

192 22.0 16.8 25.2



#50

Toluene-d8

Concen: 55.527 ug/l

RT: 10.178 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013102.D

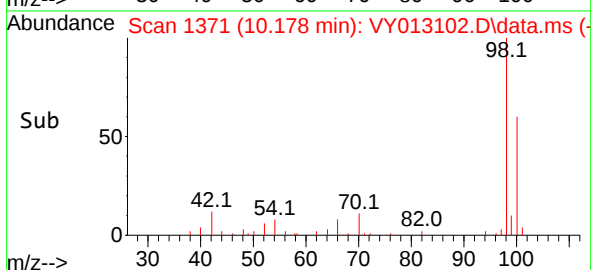
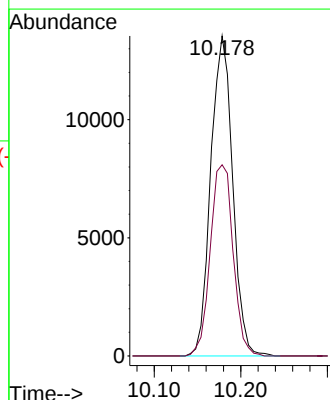
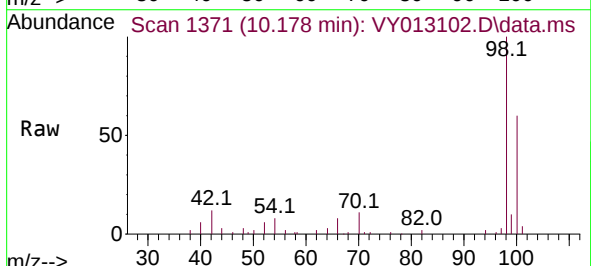
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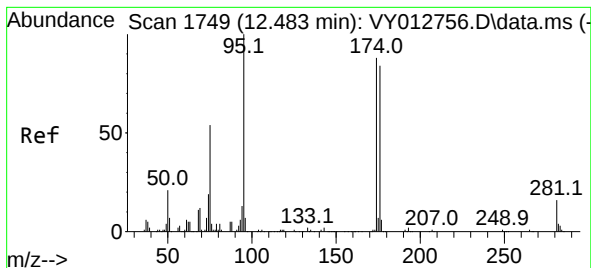
Tgt Ion: 98 Resp: 23770

Ion Ratio Lower Upper

98 100

100 62.4 50.9 76.3

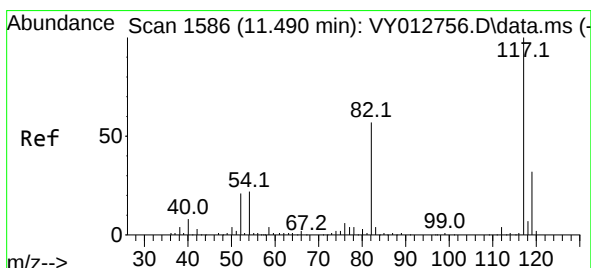
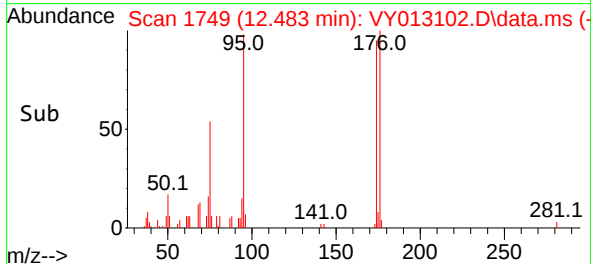
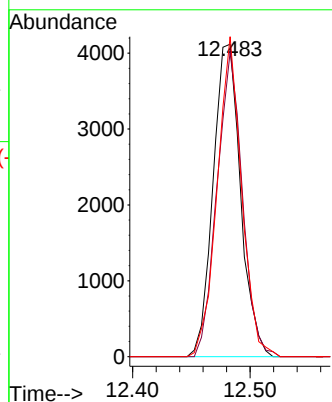
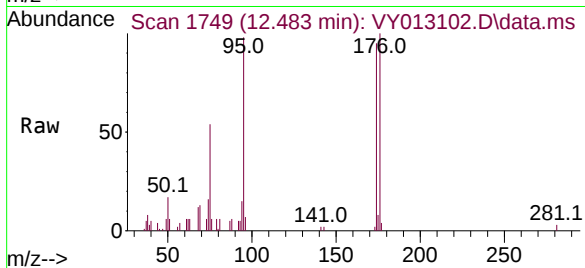




#62  
4-Bromofluorobenzene  
Concen: 46.267 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY013102.D  
Acq: 27 Mar 2023 19:15

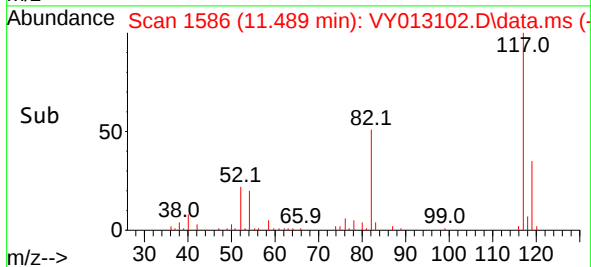
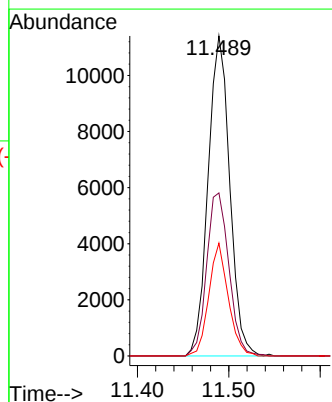
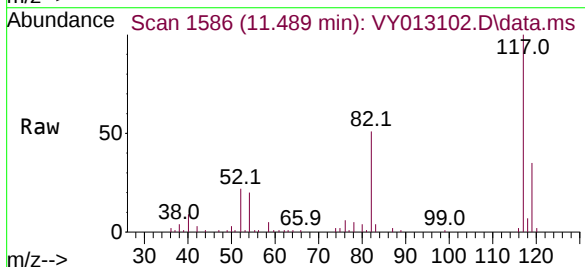
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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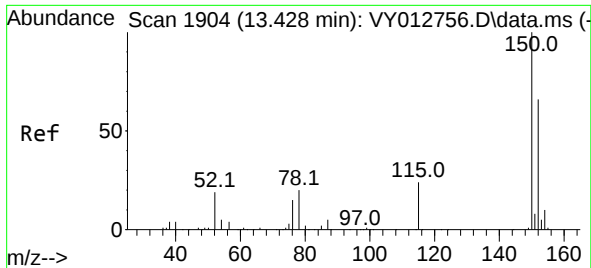
Tgt Ion: 95 Resp: 6685  
Ion Ratio Lower Upper  
95 100  
174 89.9 0.0 176.6  
176 91.0 0.0 170.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY013102.D  
Acq: 27 Mar 2023 19:15

Tgt Ion: 117 Resp: 18748  
Ion Ratio Lower Upper  
117 100  
82 51.0 45.4 68.0  
119 35.3 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY013102.D

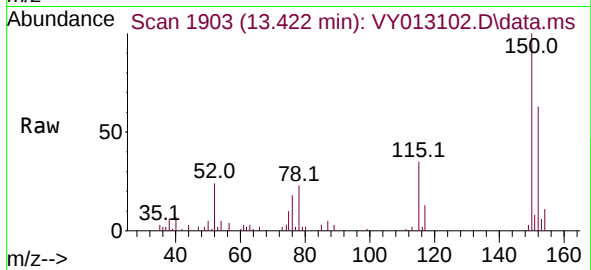
Acq: 27 Mar 2023 19:15

Instrument :

MSVOA\_Y

ClientSampleId :

APCS-WEST



Tgt Ion:152 Resp: 7133

Ion Ratio Lower Upper

152 100

115 60.3 27.1 81.3

150 164.5 0.0 347.8

