

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110123\  
 Data File : VY016159.D  
 Acq On : 01 Nov 2023 10:18  
 Operator : SY/MD  
 Sample : VY1101SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1101SBL01

Quant Time: Nov 02 02:21:00 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103123S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 01 03:33:29 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 121566   | 50.000 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 205879   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 188777   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 89148    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 67524    | 59.360   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 118.720% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 57570    | 46.904   | ug/l | -0.01    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 93.800%  |
| 50) Toluene-d8              | 10.185 | 98    | 241460   | 49.618   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 99.240%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 81515    | 48.986   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 97.980%  |

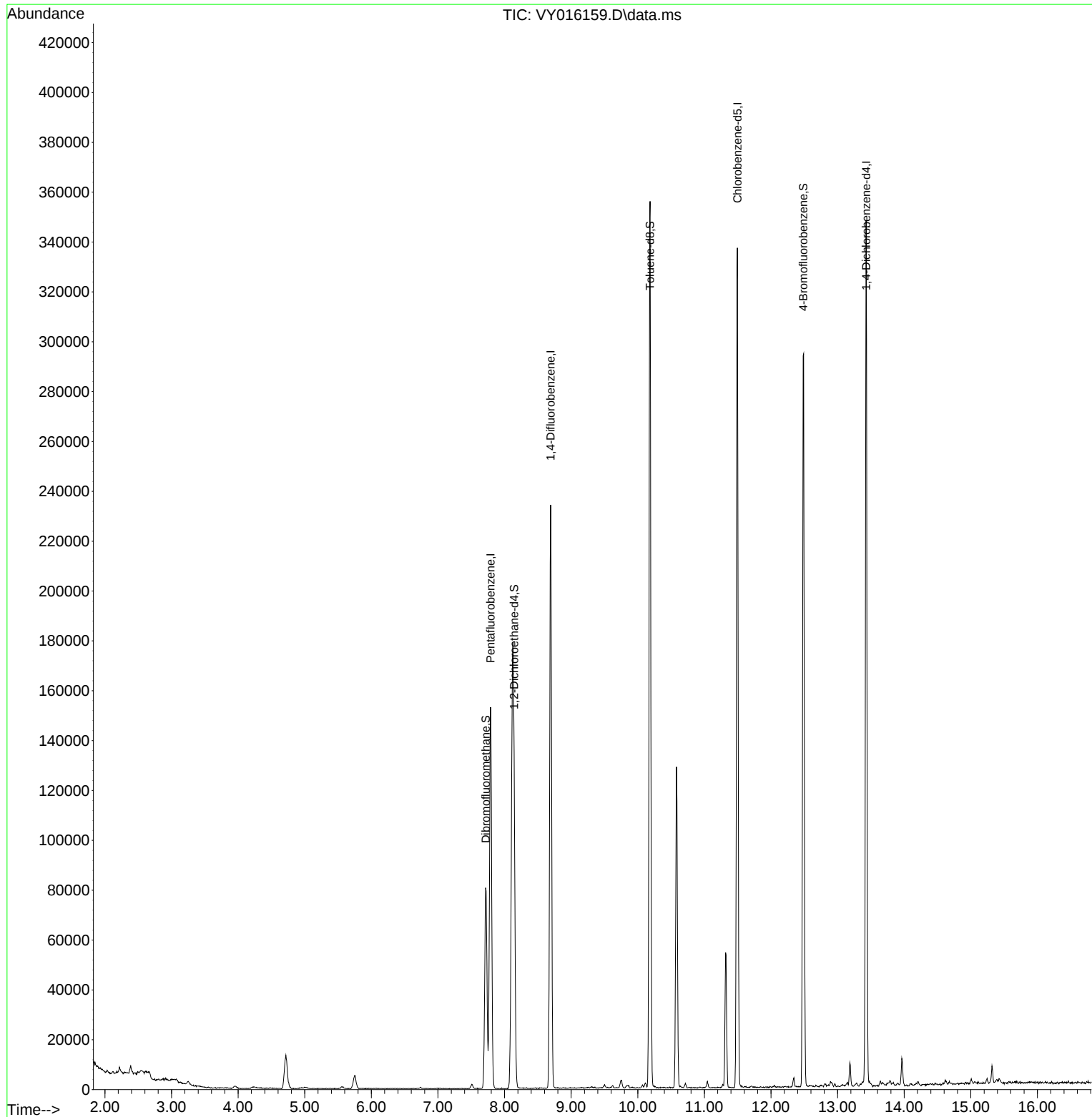
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

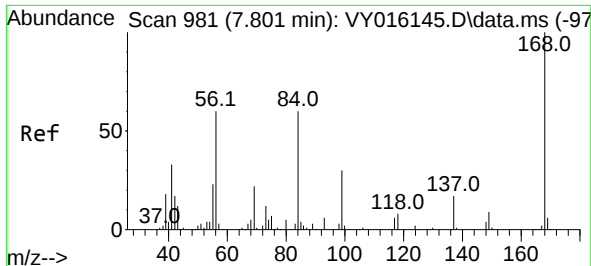
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Nov 01 03:33:29 2023  
Response via : Initial Calibration

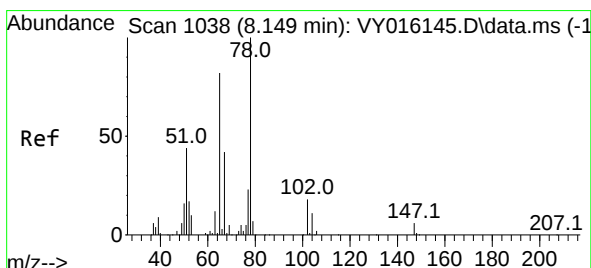
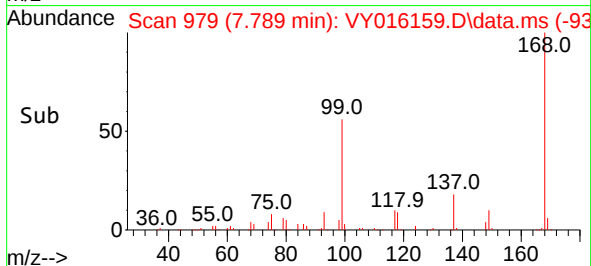
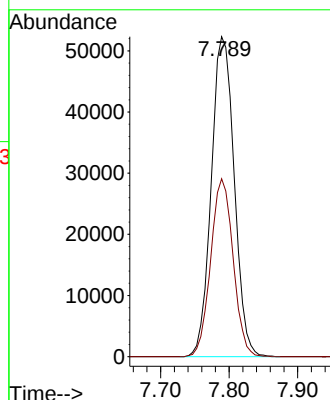
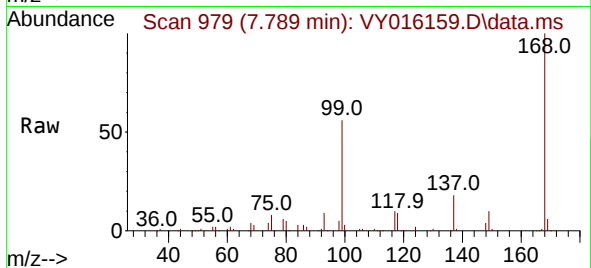




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VY016159.D  
Acq: 01 Nov 2023 10:18

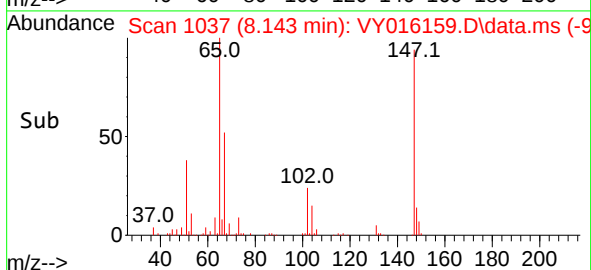
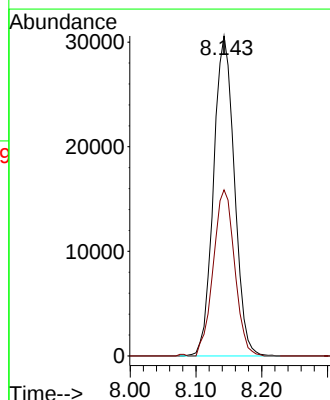
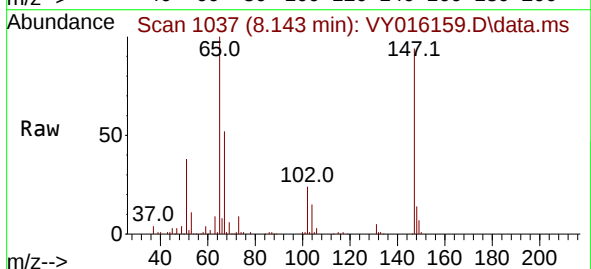
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1101SBL01

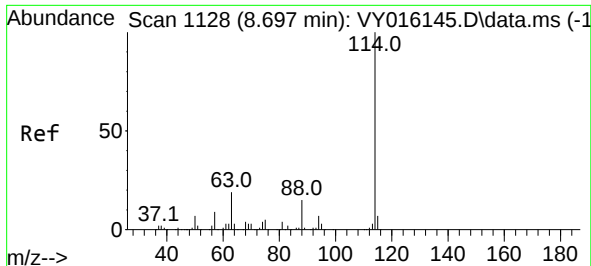
Tgt Ion:168 Resp: 121566  
Ion Ratio Lower Upper  
168 100  
99 55.6 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 59.360 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.006 min  
Lab File: VY016159.D  
Acq: 01 Nov 2023 10:18

Tgt Ion: 65 Resp: 67524  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY016159.D

Acq: 01 Nov 2023 10:18

Instrument :

MSVOA\_Y

ClientSampleId :

VY1101SBL01

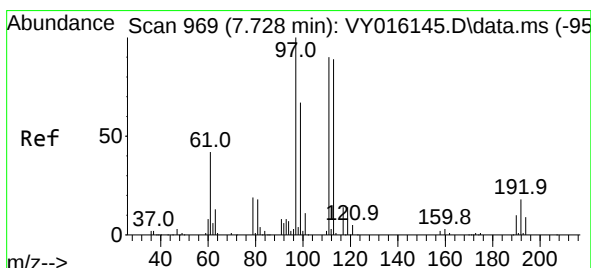
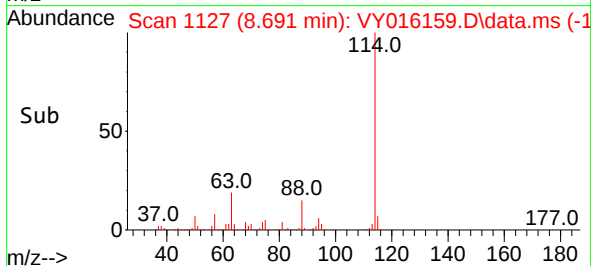
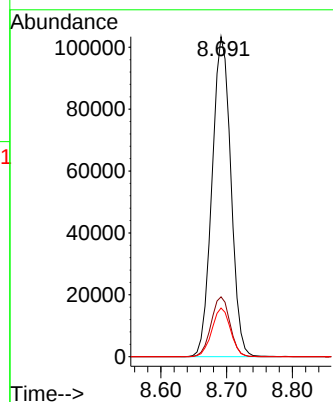
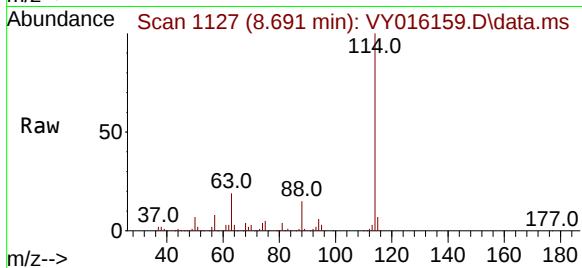
Tgt Ion:114 Resp: 205879

Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.4

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.904 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.012 min

Lab File: VY016159.D

Acq: 01 Nov 2023 10:18

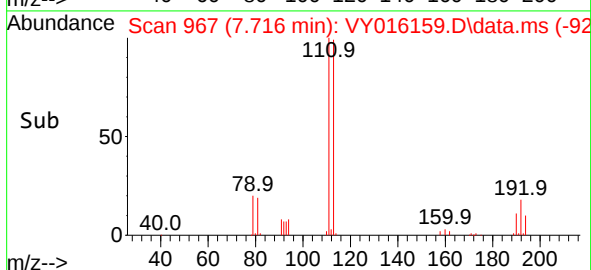
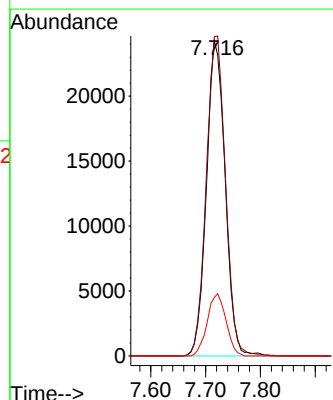
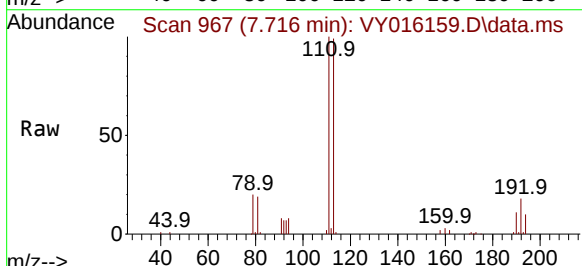
Tgt Ion:113 Resp: 57570

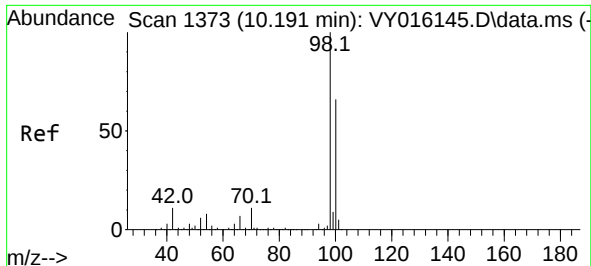
Ion Ratio Lower Upper

113 100

111 103.7 81.3 121.9

192 19.8 16.9 25.3

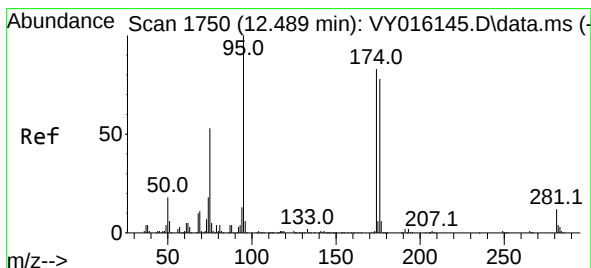
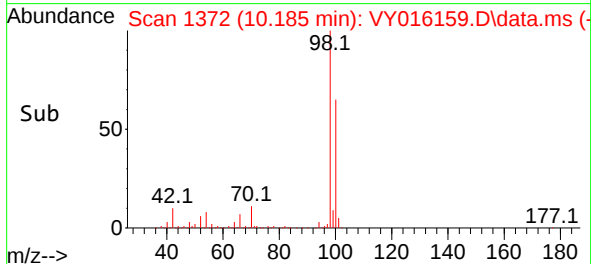
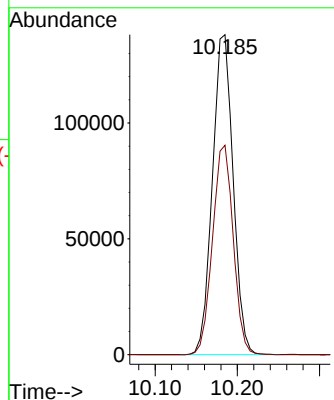
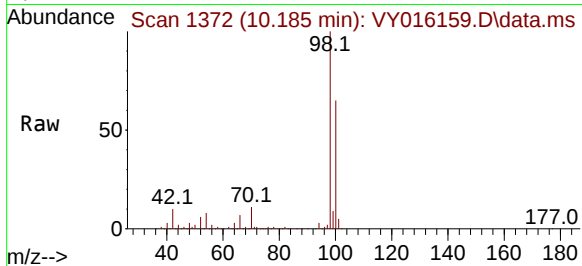




#50  
Toluene-d8  
Concen: 49.618 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY016159.D  
Acq: 01 Nov 2023 10:18

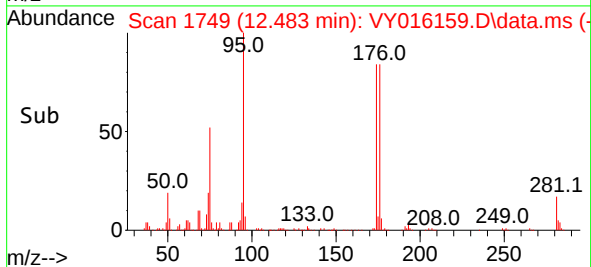
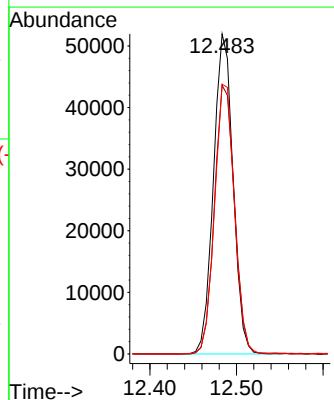
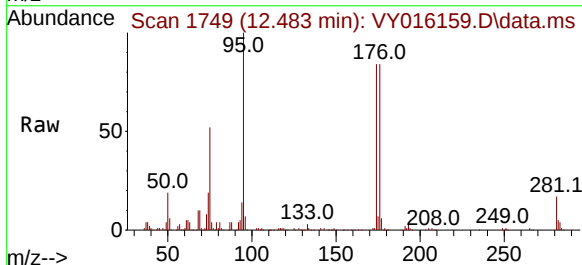
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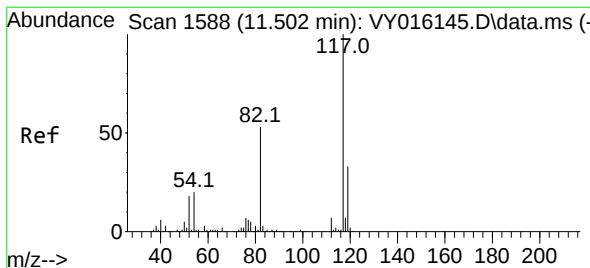
Tgt Ion: 98 Resp: 241460  
Ion Ratio Lower Upper  
98 100  
100 65.6 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 48.986 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.006 min  
Lab File: VY016159.D  
Acq: 01 Nov 2023 10:18

Tgt Ion: 95 Resp: 81515  
Ion Ratio Lower Upper  
95 100  
174 85.9 0.0 178.2  
176 85.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016159.D

Acq: 01 Nov 2023 10:18

Instrument :

MSVOA\_Y

ClientSampleId :

VY1101SBL01

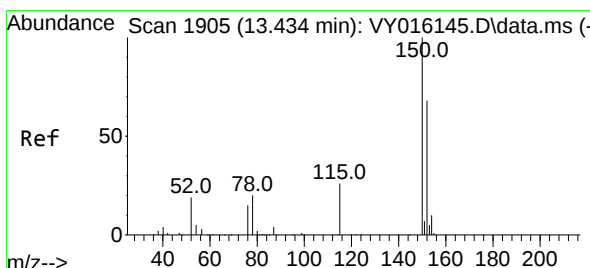
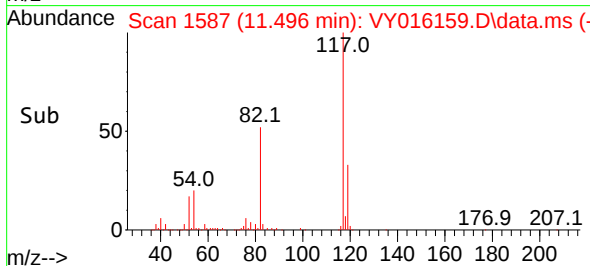
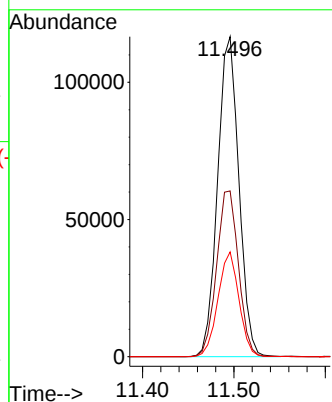
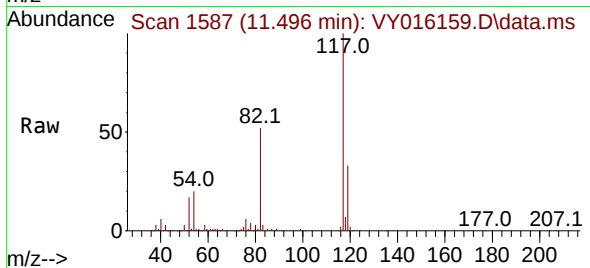
Tgt Ion:117 Resp: 188777

Ion Ratio Lower Upper

117 100

82 51.8 43.4 65.0

119 32.8 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY016159.D

Acq: 01 Nov 2023 10:18

Tgt Ion:152 Resp: 89148

Ion Ratio Lower Upper

152 100

115 57.2 28.8 86.5

150 156.4 0.0 348.8

