

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062522\  
 Data File : VY009329.D  
 Acq On : 25 Jun 2022 17:18  
 Operator : KP/MD  
 Sample : N3488-09  
 Misc : 3.08g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-12-3-5-20220623

Quant Time: Jun 27 10:31:28 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062422S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 25 07:08:46 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 163093   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 284280   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.483 | 117  | 265730   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 121379   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 95833    | 80.858   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 161.720%  |
| 35) Dibromofluoromethane    | 7.710  | 113   | 86645    | 56.467   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 112.940%  |
| 50) Toluene-d8              | 10.173 | 98    | 333993   | 78.348   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 156.700%# |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 112063   | 51.279   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 102.560%  |

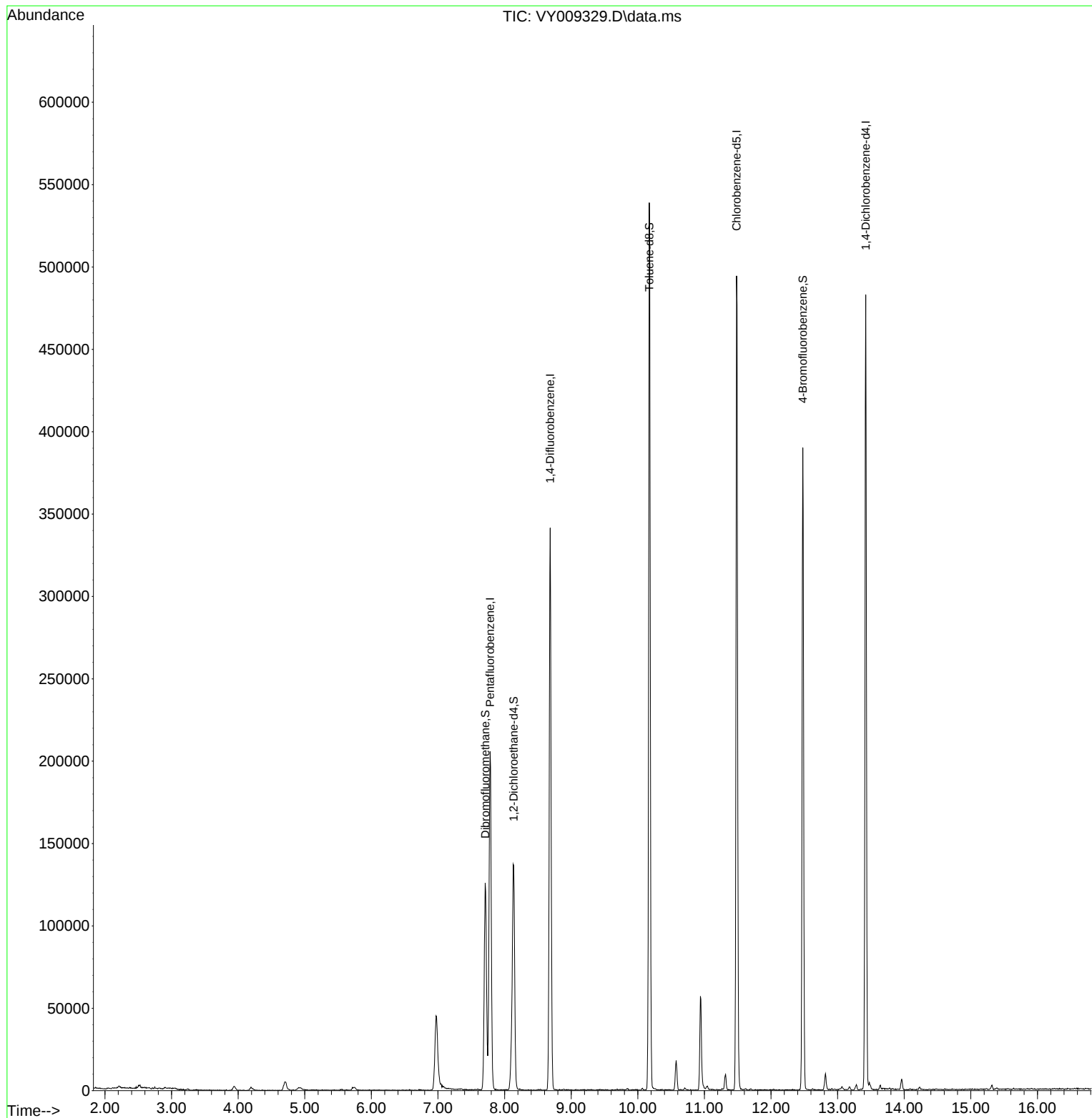
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

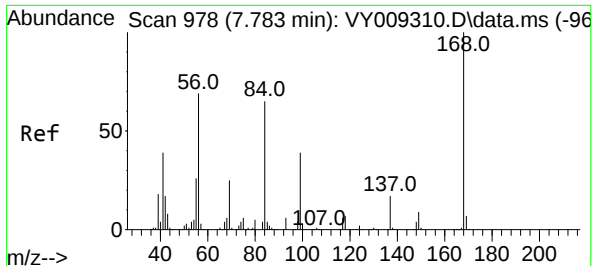
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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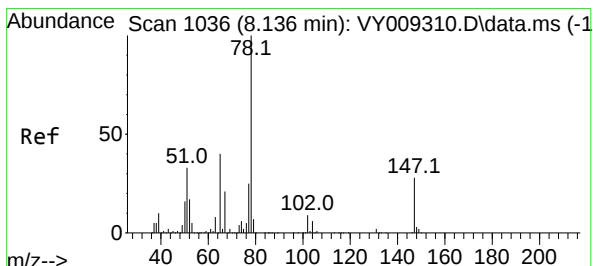
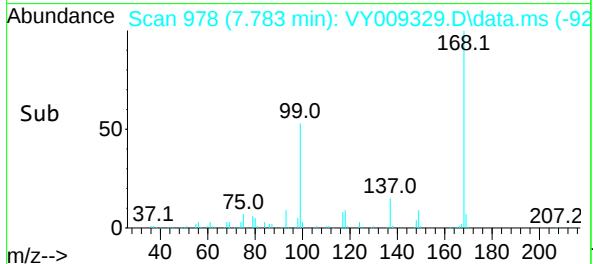
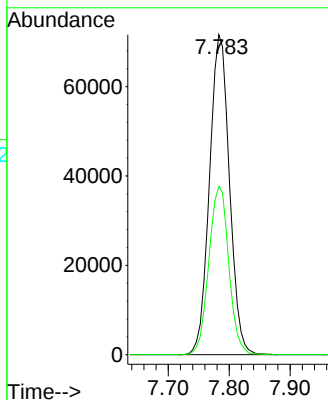
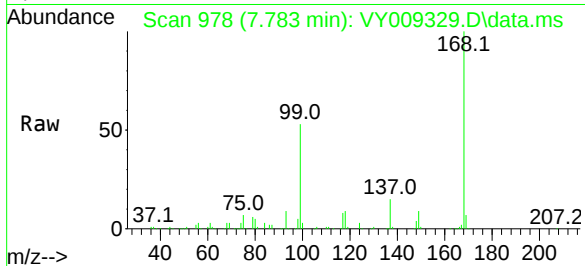




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009329.D  
Acq: 25 Jun 2022 17:18

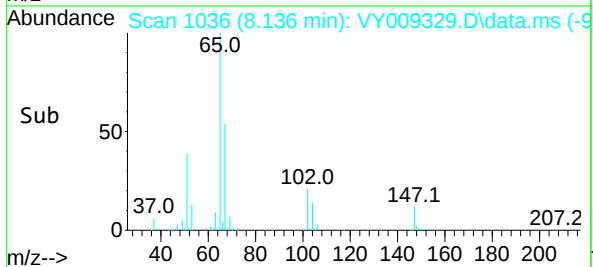
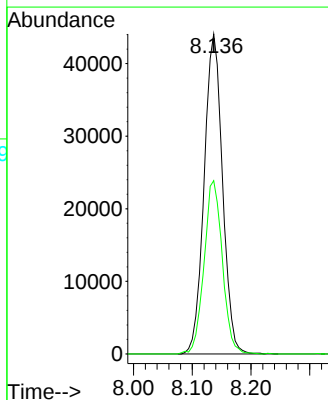
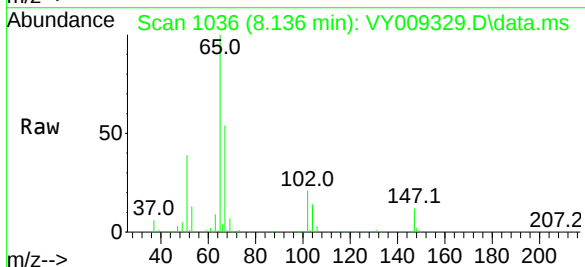
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-12-3-5-20220623

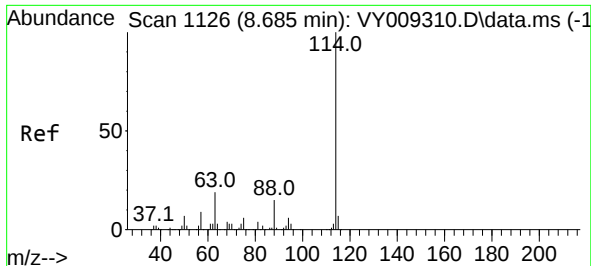
Tgt Ion:168 Resp: 163093  
Ion Ratio Lower Upper  
168 100  
99 52.6 42.1 63.1



#33  
1,2-Dichloroethane-d4  
Concen: 80.858 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY009329.D  
Acq: 25 Jun 2022 17:18

Tgt Ion: 65 Resp: 95833  
Ion Ratio Lower Upper  
65 100  
67 53.8 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009329.D

Acq: 25 Jun 2022 17:18

Instrument :

MSVOA\_Y

ClientSampleId :

SB-12-3-5-20220623

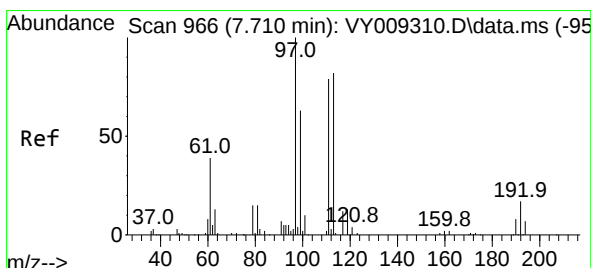
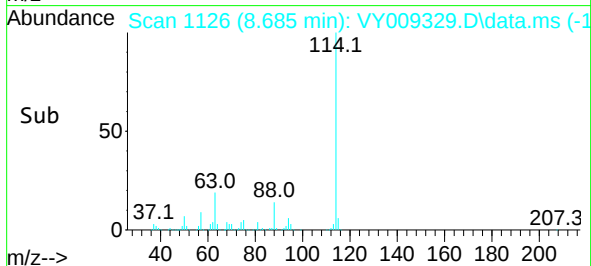
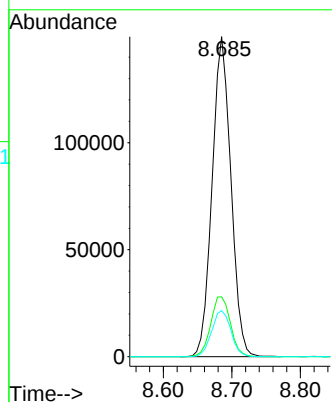
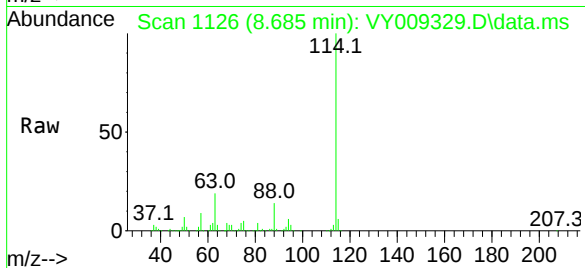
Tgt Ion:114 Resp: 284280

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.0

88 14.4 0.0 30.0



#35

Dibromofluoromethane

Concen: 56.467 ug/l

RT: 7.710 min Scan# 966

Delta R.T. 0.000 min

Lab File: VY009329.D

Acq: 25 Jun 2022 17:18

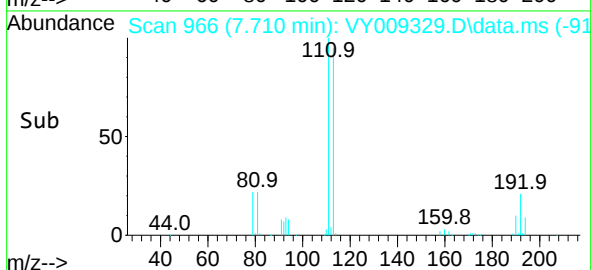
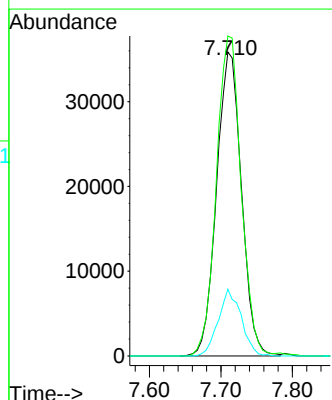
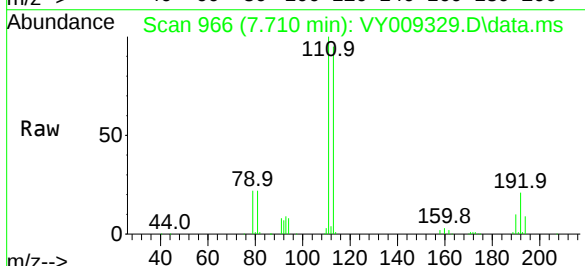
Tgt Ion:113 Resp: 86645

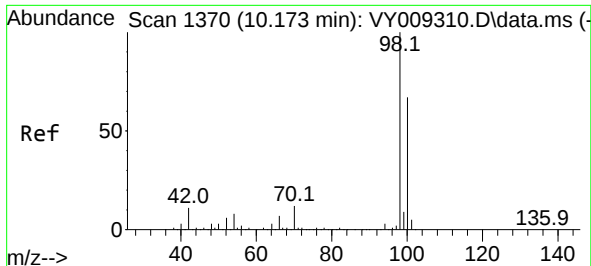
Ion Ratio Lower Upper

113 100

111 105.1 80.6 120.8

192 20.2 16.2 24.4

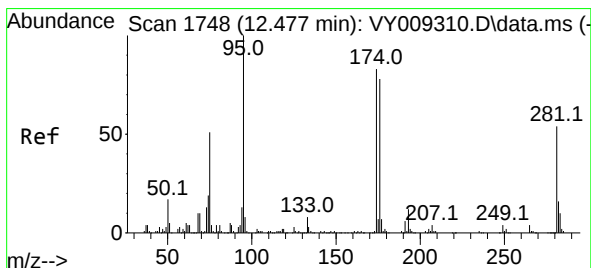
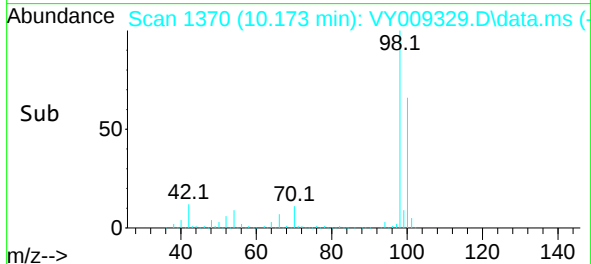
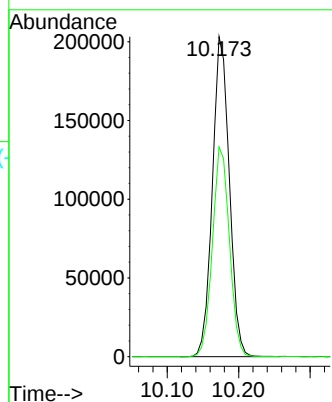
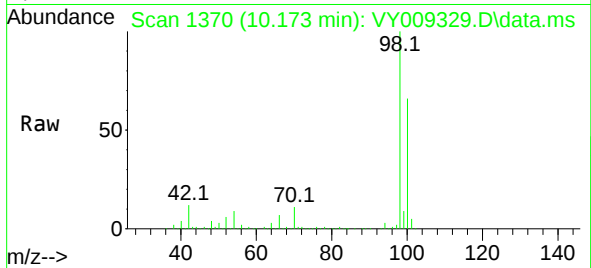




#50  
Toluene-d8  
Concen: 78.348 ug/l  
RT: 10.173 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VY009329.D  
Acq: 25 Jun 2022 17:18

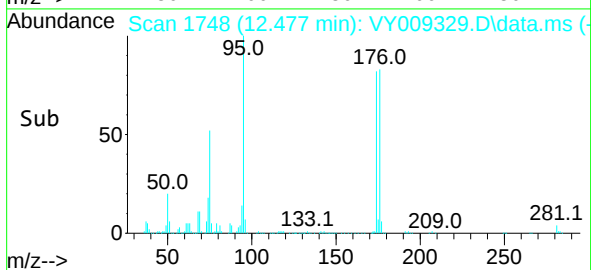
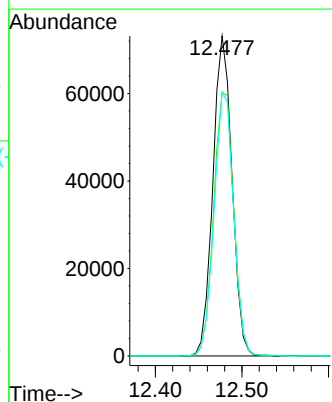
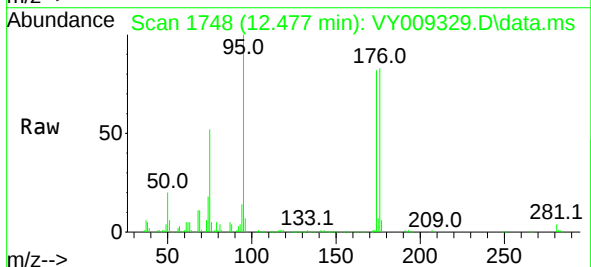
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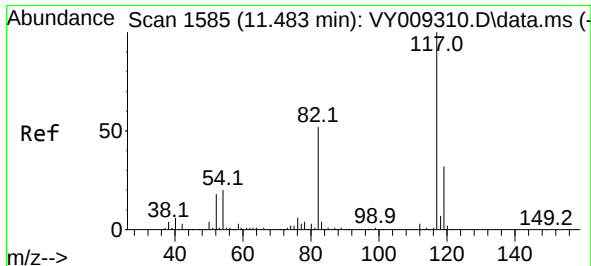
Tgt Ion: 98 Resp: 333993  
Ion Ratio Lower Upper  
98 100  
100 65.8 52.9 79.3



#62  
4-Bromofluorobenzene  
Concen: 51.279 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY009329.D  
Acq: 25 Jun 2022 17:18

Tgt Ion: 95 Resp: 112063  
Ion Ratio Lower Upper  
95 100  
174 87.0 0.0 173.8  
176 84.3 0.0 167.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY009329.D

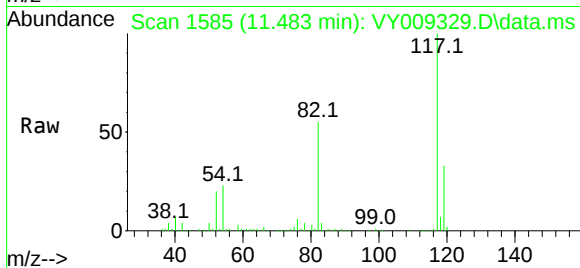
Acq: 25 Jun 2022 17:18

Instrument :

MSVOA\_Y

ClientSampleId :

SB-12-3-5-20220623



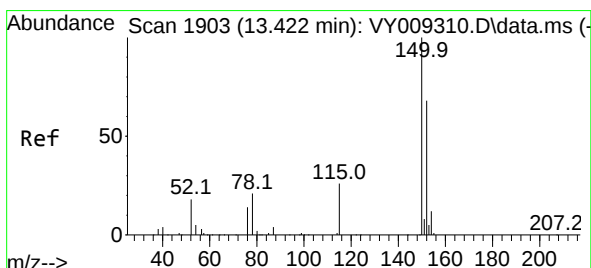
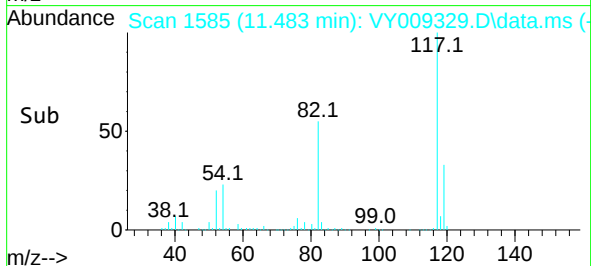
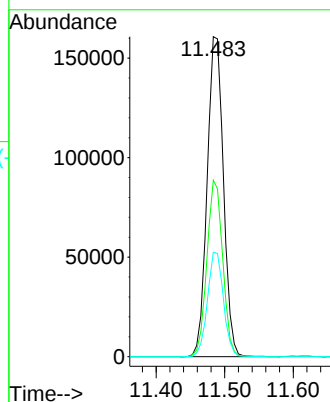
Tgt Ion:117 Resp: 265730

Ion Ratio Lower Upper

117 100

82 55.2 41.8 62.6

119 32.7 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY009329.D

Acq: 25 Jun 2022 17:18

Tgt Ion:152 Resp: 121379

Ion Ratio Lower Upper

152 100

115 56.2 28.6 85.9

150 158.1 0.0 349.8

