

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051823\  
 Data File : VY013797.D  
 Acq On : 18 May 2023 13:29  
 Operator : KP/MD  
 Sample : 02828-02  
 Misc : 4.28g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-2

Quant Time: May 19 03:21:30 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051723S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 18 06:54:18 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.801  | 168  | 165231   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 289978   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 280885   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 124674   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 112254   | 58.483   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 116.960% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 101034   | 54.334   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 108.660% |
| 50) Toluene-d8              | 10.185 | 98    | 358502   | 50.854   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 101.700% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 115513   | 49.331   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 98.660%  |

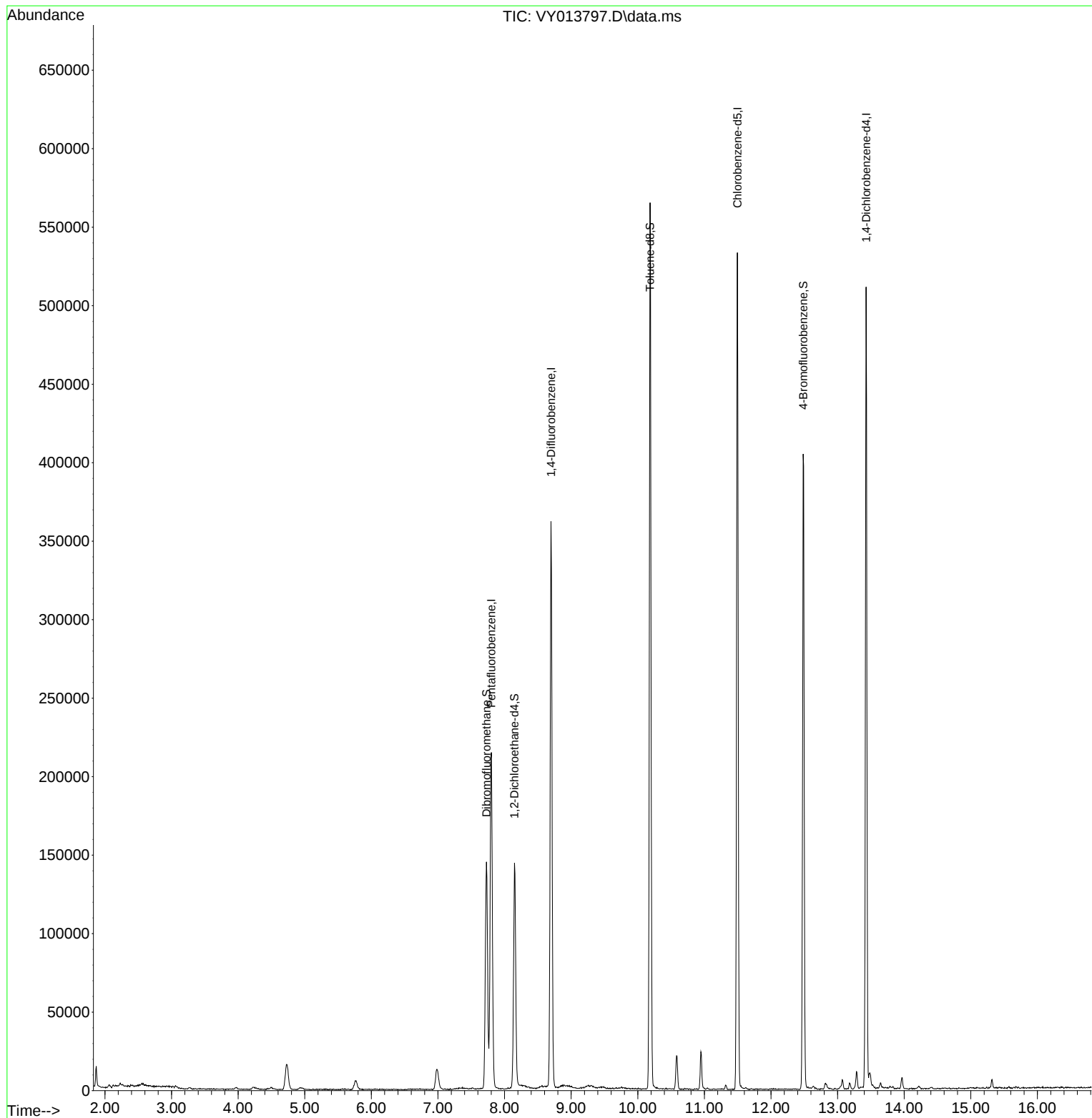
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

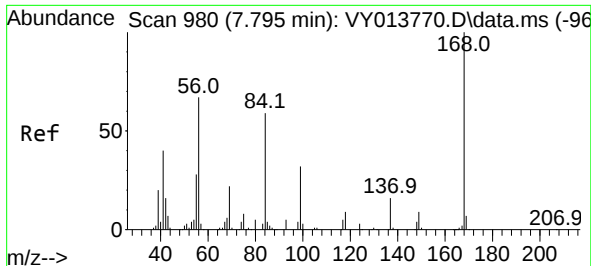
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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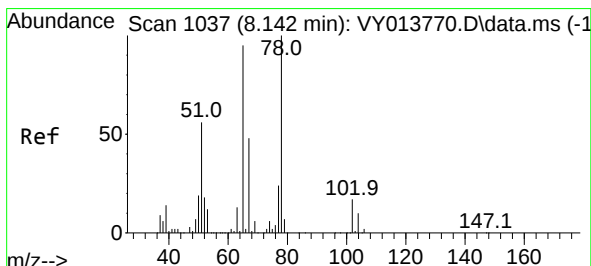
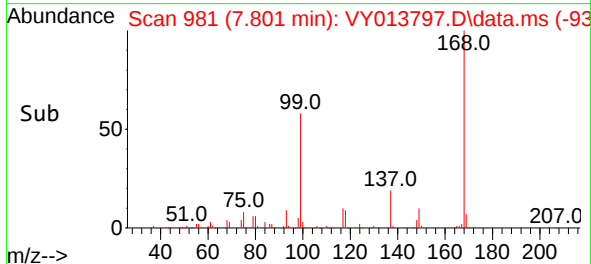
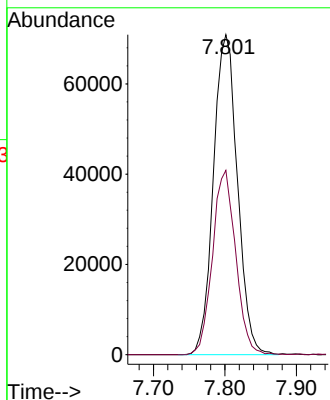
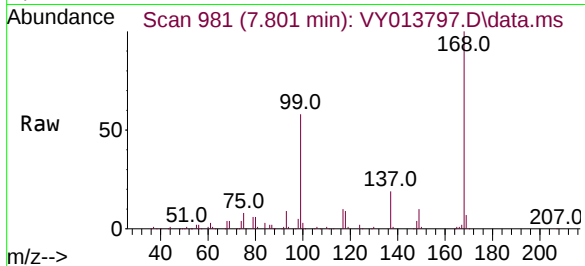




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY013797.D  
Acq: 18 May 2023 13:29

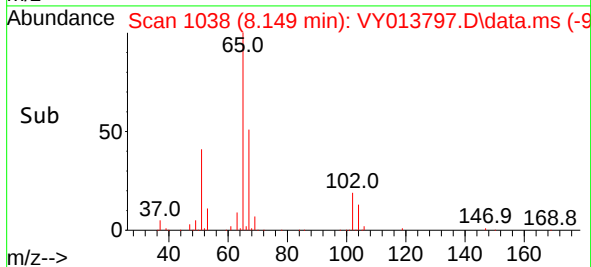
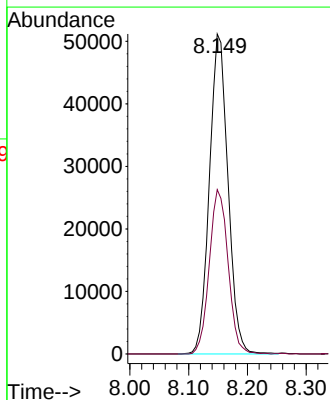
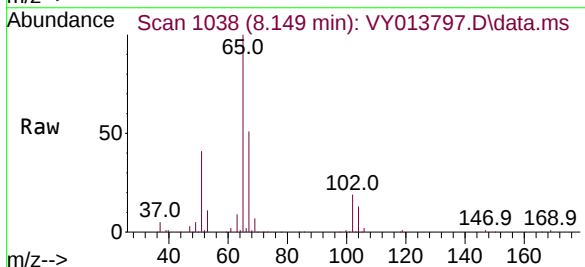
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-2

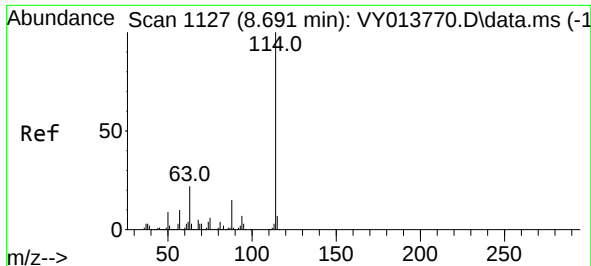
Tgt Ion:168 Resp: 165231  
Ion Ratio Lower Upper  
168 100  
99 57.6 44.0 66.0



#33  
1,2-Dichloroethane-d4  
Concen: 58.483 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.006 min  
Lab File: VY013797.D  
Acq: 18 May 2023 13:29

Tgt Ion: 65 Resp: 112254  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY013797.D

Acq: 18 May 2023 13:29

Instrument :

MSVOA\_Y

ClientSampleId :

SB-2

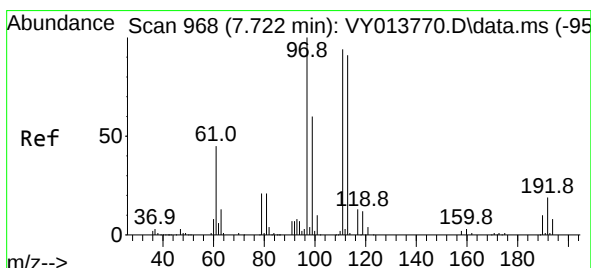
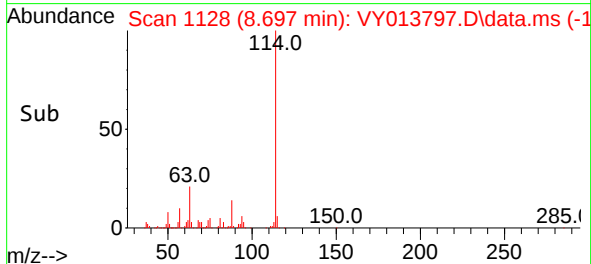
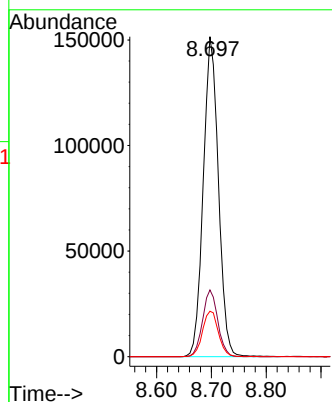
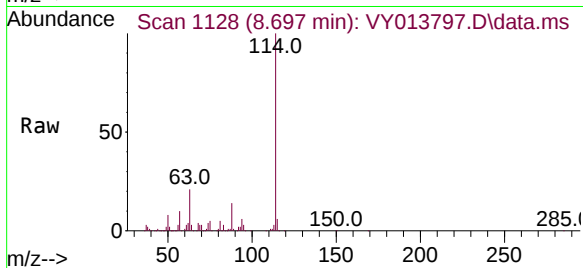
Tgt Ion:114 Resp: 289978

Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.8

88 14.2 0.0 30.8



#35

Dibromofluoromethane

Concen: 54.334 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY013797.D

Acq: 18 May 2023 13:29

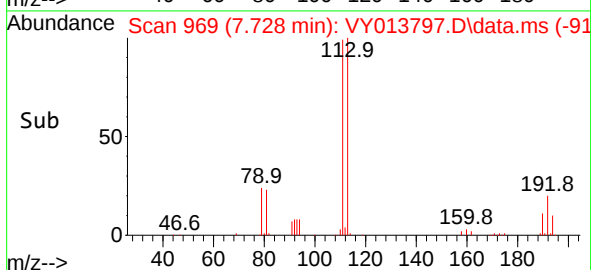
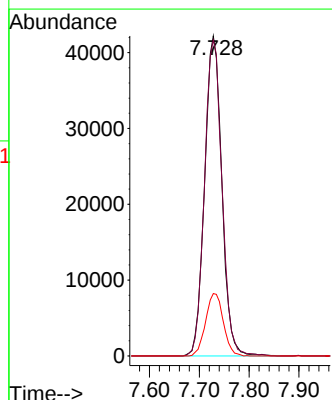
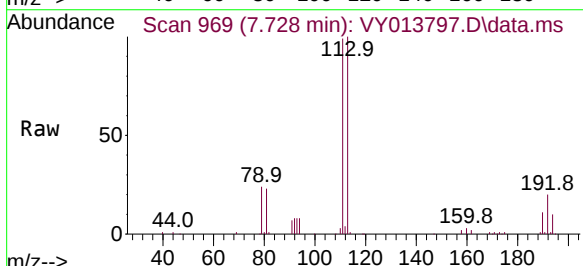
Tgt Ion:113 Resp: 101034

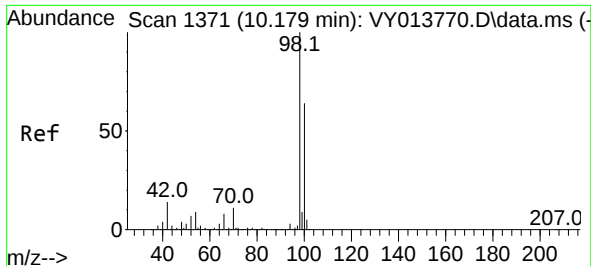
Ion Ratio Lower Upper

113 100

111 100.4 82.3 123.5

192 20.1 16.0 24.0

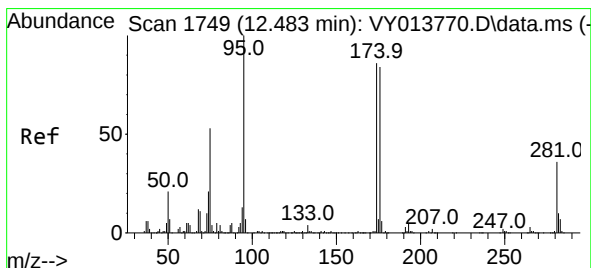
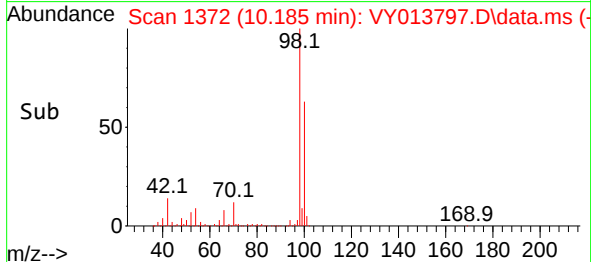
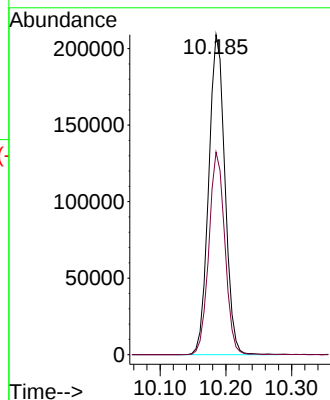
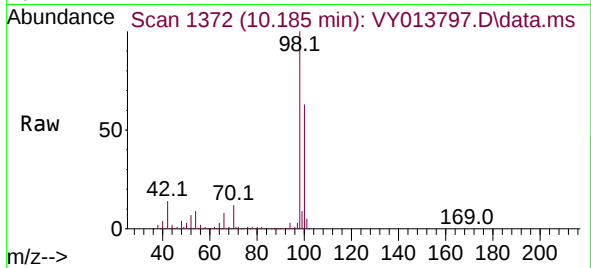




#50  
Toluene-d8  
Concen: 50.854 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY013797.D  
Acq: 18 May 2023 13:29

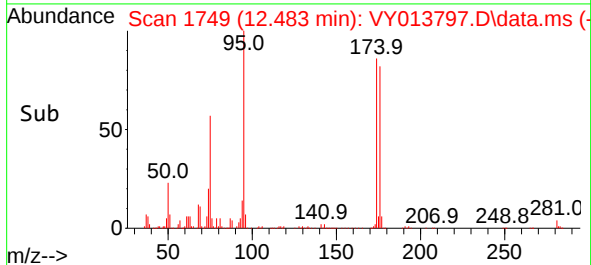
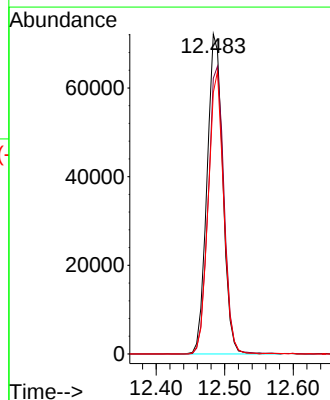
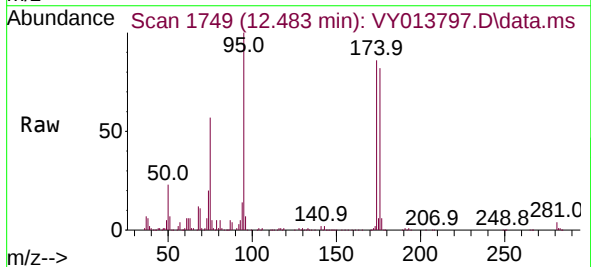
Instrument :  
MSVOA\_Y  
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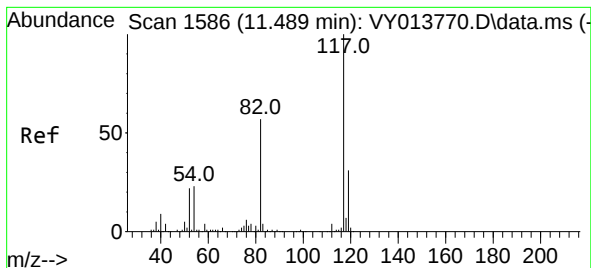
Tgt Ion: 98 Resp: 358502  
Ion Ratio Lower Upper  
98 100  
100 62.3 51.0 76.6



#62  
4-Bromofluorobenzene  
Concen: 49.331 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY013797.D  
Acq: 18 May 2023 13:29

Tgt Ion: 95 Resp: 115513  
Ion Ratio Lower Upper  
95 100  
174 90.2 0.0 168.8  
176 86.0 0.0 165.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY013797.D

Acq: 18 May 2023 13:29

Instrument :

MSVOA\_Y

ClientSampleId :

SB-2

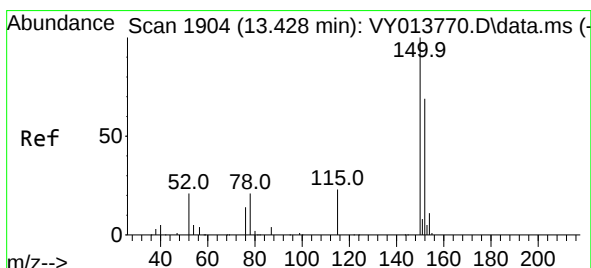
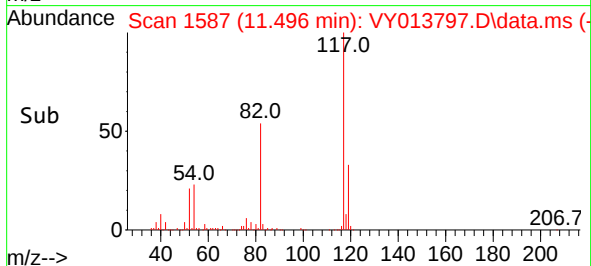
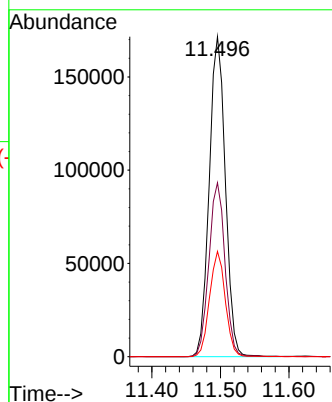
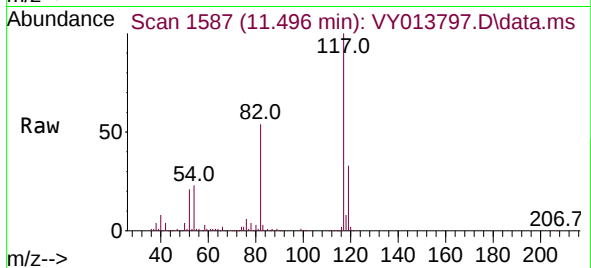
Tgt Ion:117 Resp: 280885

Ion Ratio Lower Upper

117 100

82 54.3 45.5 68.3

119 32.9 24.8 37.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY013797.D

Acq: 18 May 2023 13:29

Tgt Ion:152 Resp: 124674

Ion Ratio Lower Upper

152 100

115 58.7 28.5 85.5

150 157.6 0.0 347.0

