

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022323\  
 Data File : VY012706.D  
 Acq On : 23 Feb 2023 14:17  
 Operator : KP/MD  
 Sample : 01663-01  
 Misc : 4.10g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-D2

Quant Time: Feb 23 23:54:33 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022123S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 22 01:21:05 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 143226   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 264719   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 262379   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 127679   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 90523    | 53.514   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 107.020% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 86998    | 48.657   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 97.320%  |
| 50) Toluene-d8              | 10.179 | 98    | 319448   | 47.689   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 95.380%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 113725   | 53.053   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 106.100% |

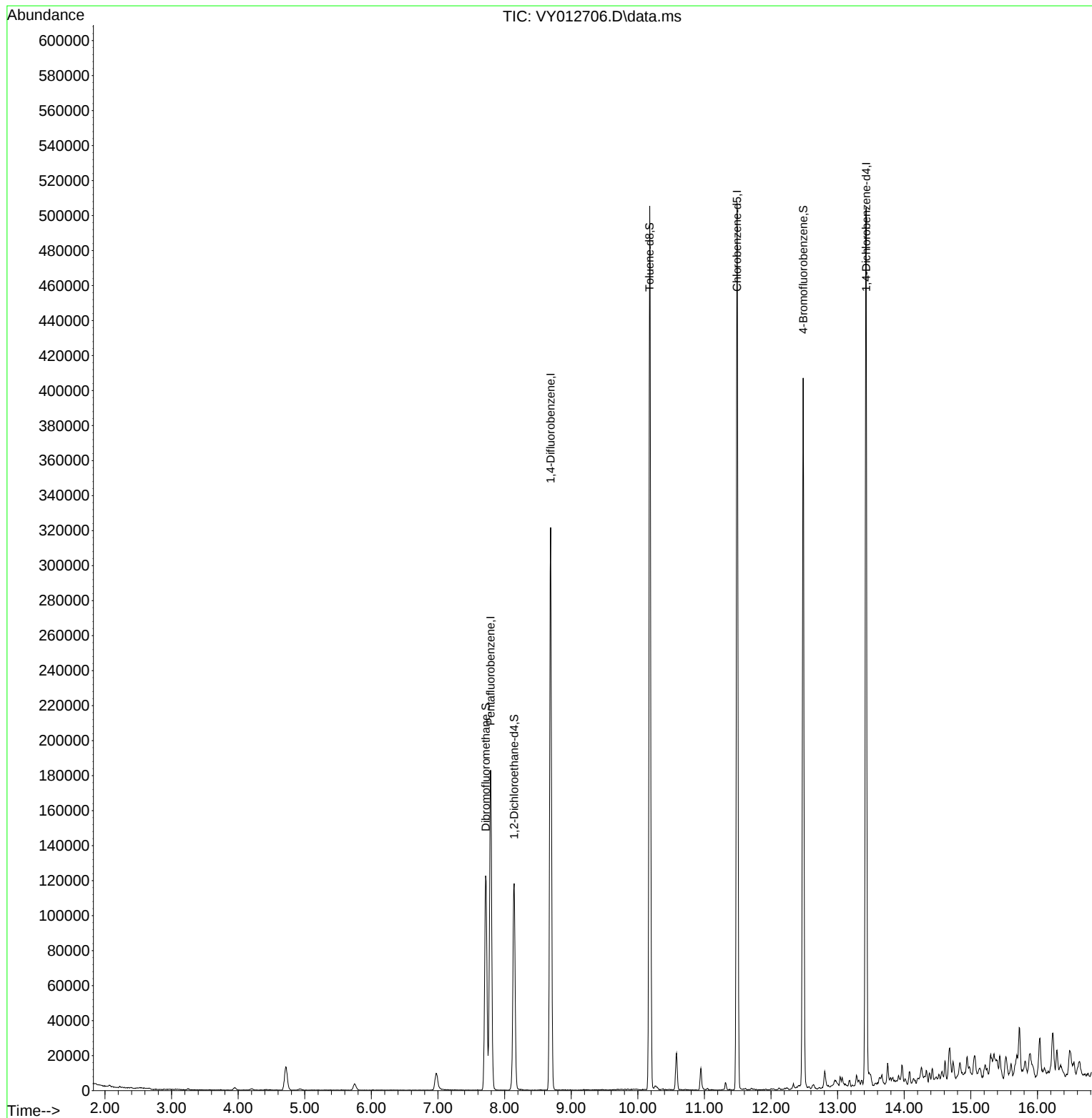
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

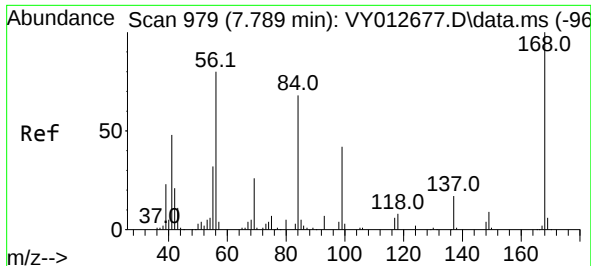
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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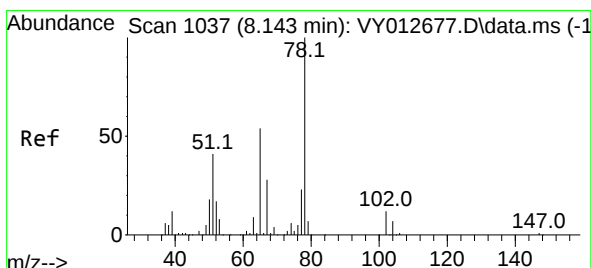
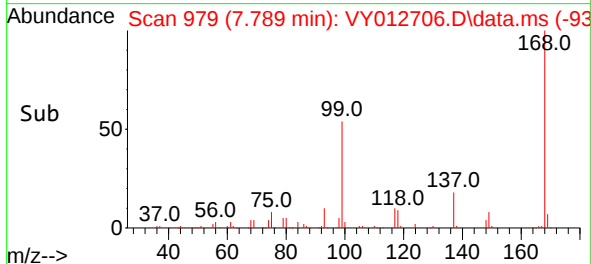
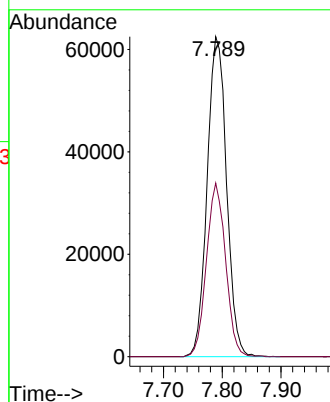
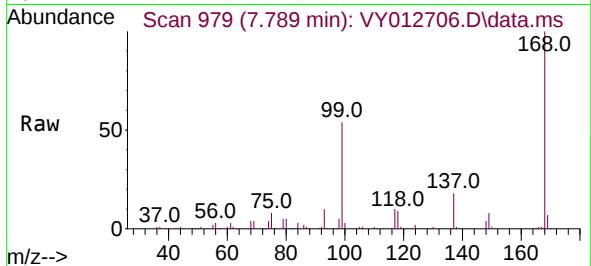




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012706.D  
Acq: 23 Feb 2023 14:17

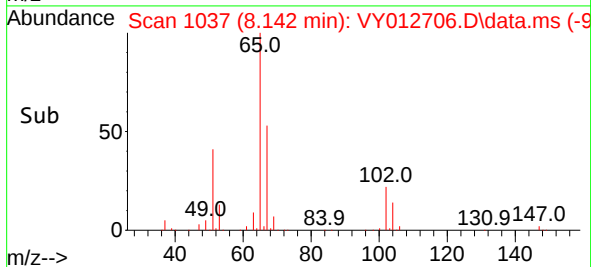
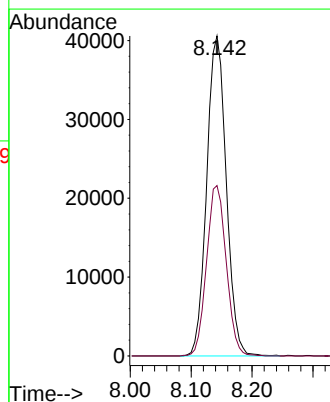
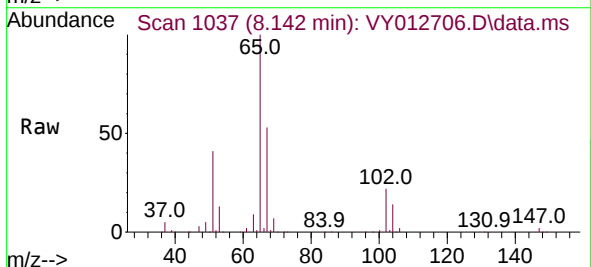
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-D2

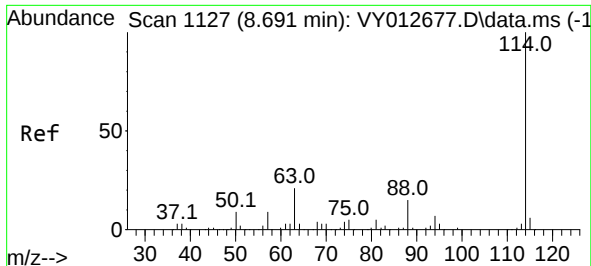
Tgt Ion:168 Resp: 143226  
Ion Ratio Lower Upper  
168 100  
99 54.3 45.4 68.2



#33  
1,2-Dichloroethane-d4  
Concen: 53.514 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.001 min  
Lab File: VY012706.D  
Acq: 23 Feb 2023 14:17

Tgt Ion: 65 Resp: 90523  
Ion Ratio Lower Upper  
65 100  
67 53.5 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012706.D

Acq: 23 Feb 2023 14:17

Instrument :

MSVOA\_Y

ClientSampleId :

WC-D2

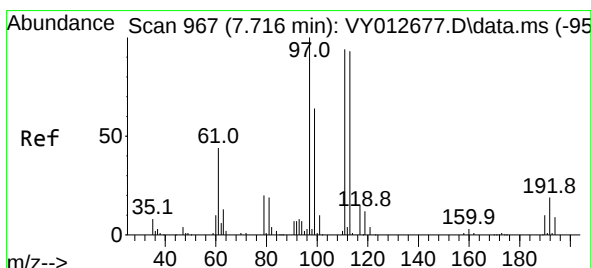
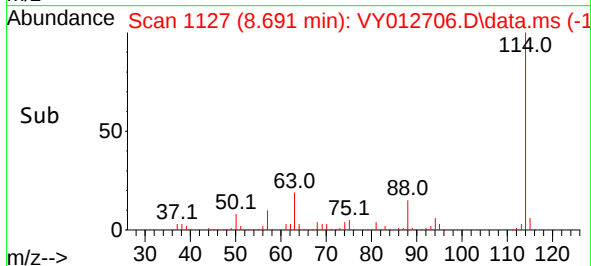
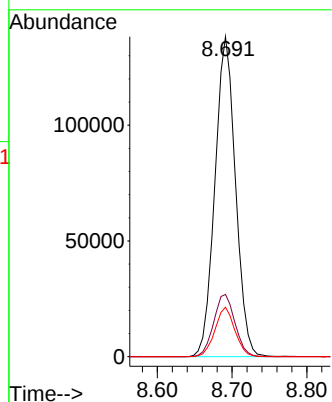
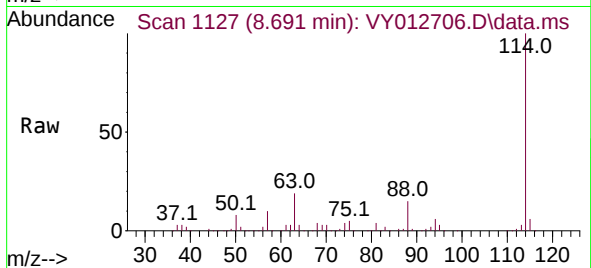
Tgt Ion:114 Resp: 264719

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.8

88 15.4 0.0 29.6



#35

Dibromofluoromethane

Concen: 48.657 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012706.D

Acq: 23 Feb 2023 14:17

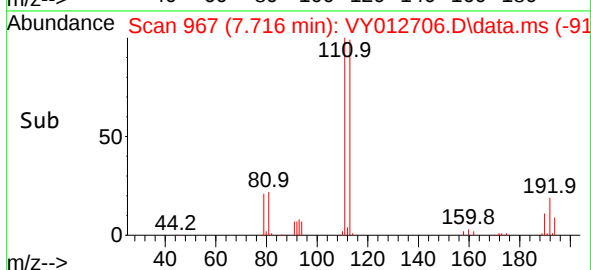
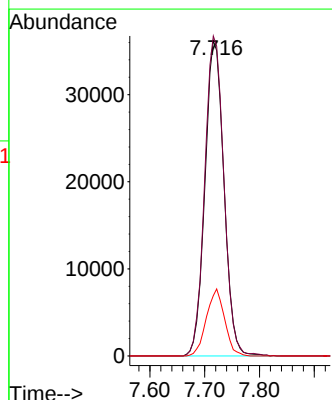
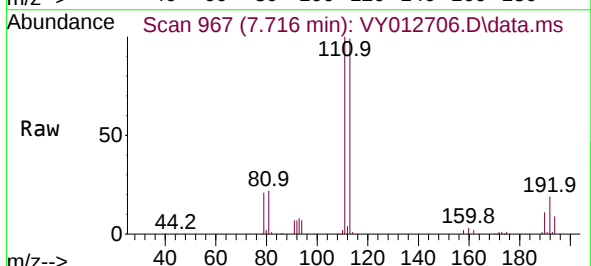
Tgt Ion:113 Resp: 86998

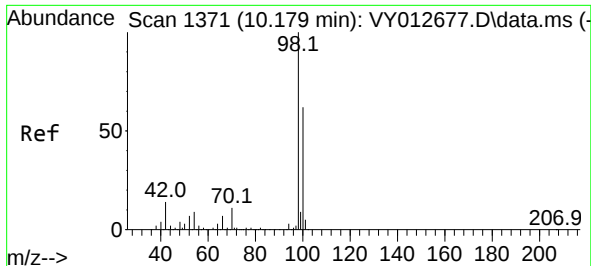
Ion Ratio Lower Upper

113 100

111 102.5 82.0 123.0

192 20.4 16.2 24.2

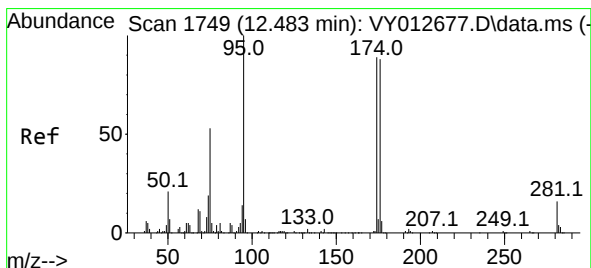
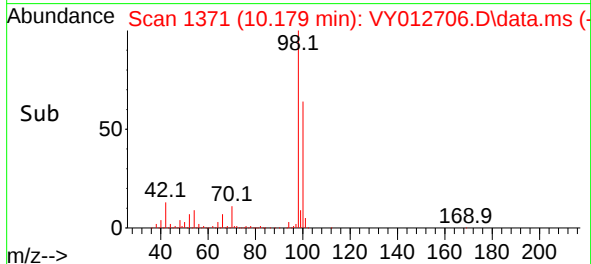
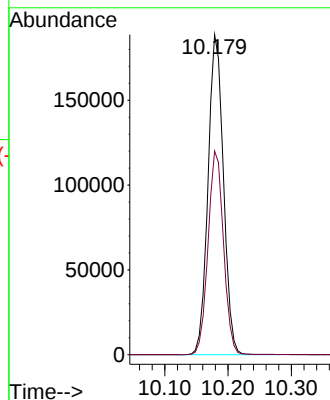
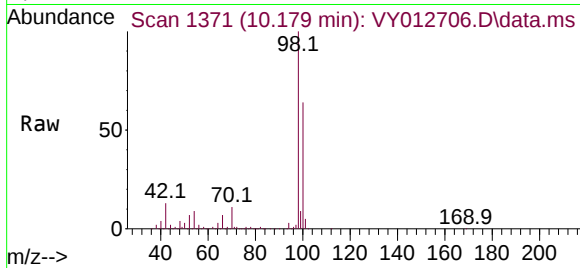




#50  
Toluene-d8  
Concen: 47.689 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY012706.D  
Acq: 23 Feb 2023 14:17

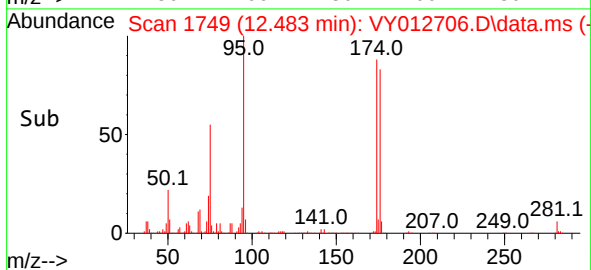
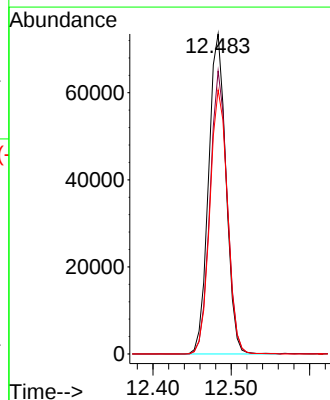
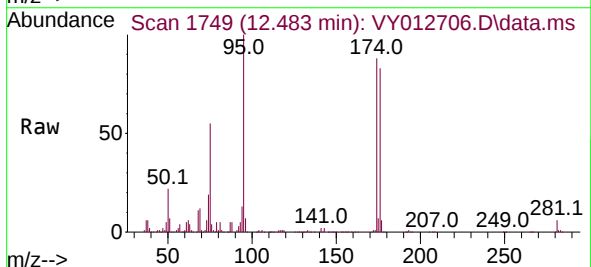
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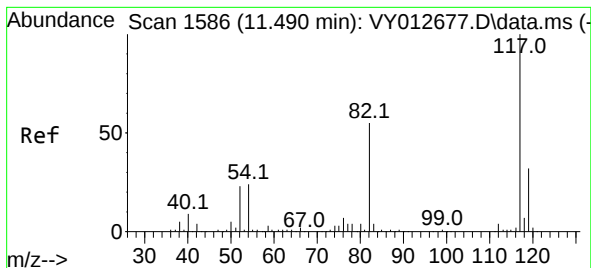
Tgt Ion: 98 Resp: 319448  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.2 76.8



#62  
4-Bromofluorobenzene  
Concen: 53.053 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY012706.D  
Acq: 23 Feb 2023 14:17

Tgt Ion: 95 Resp: 113725  
Ion Ratio Lower Upper  
95 100  
174 87.1 0.0 172.8  
176 83.6 0.0 169.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY012706.D

Acq: 23 Feb 2023 14:17

Instrument :

MSVOA\_Y

ClientSampleId :

WC-D2

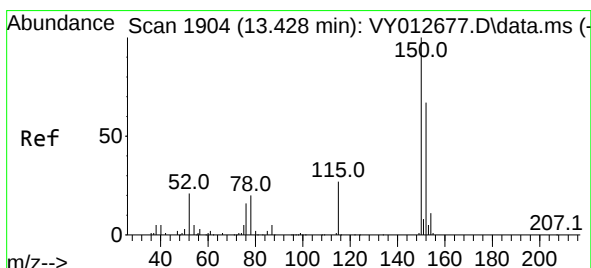
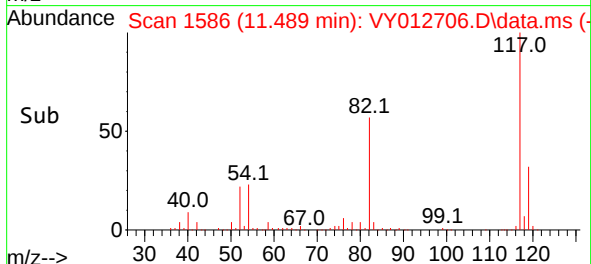
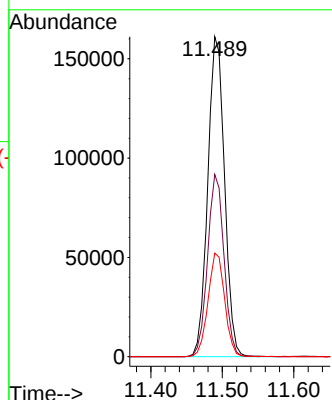
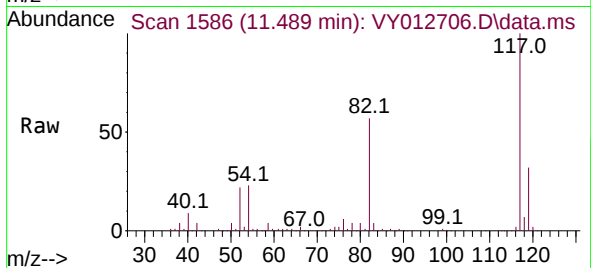
Tgt Ion:117 Resp: 262379

Ion Ratio Lower Upper

117 100

82 56.9 44.1 66.1

119 32.3 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY012706.D

Acq: 23 Feb 2023 14:17

Tgt Ion:152 Resp: 127679

Ion Ratio Lower Upper

152 100

115 56.9 28.7 86.3

150 155.7 0.0 347.6

