

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111623\  
 Data File : VY016399.D  
 Acq On : 16 Nov 2023 18:48  
 Operator : SY/MD  
 Sample : 05449-11  
 Misc : 5.1g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-SED-04-G

Quant Time: Nov 17 05:19:51 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 09 00:45:52 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 2584     | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 4552     | 50.000 | ug/l  | -0.01    |
| 63) Chlorobenzene-d5       | 11.495 | 117  | 4493     | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.434 | 152  | 1271     | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 1598     | 67.664   | ug/l | -0.01    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 135.320% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 473      | 18.292   | ug/l | -0.01    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 36.580%# |
| 50) Toluene-d8              | 10.185 | 98    | 5266     | 50.219   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 100.440% |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 1515     | 44.484   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 88.960%  |

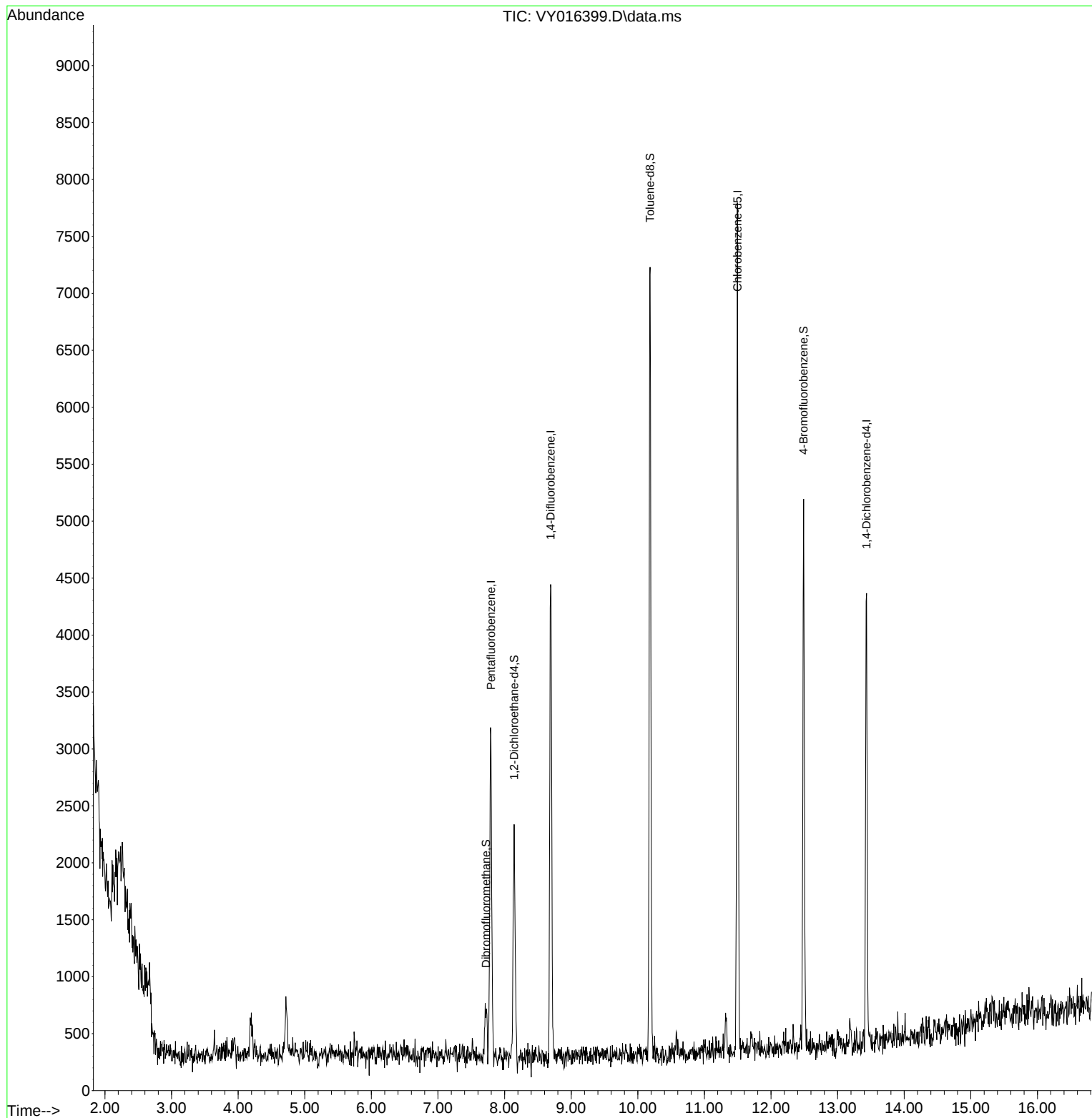
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

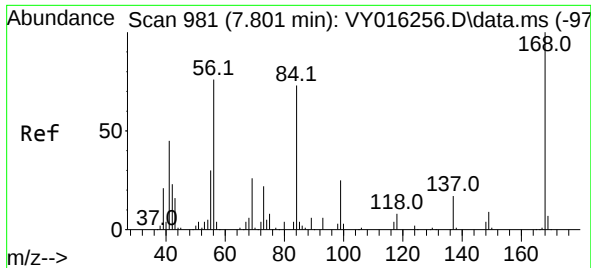
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

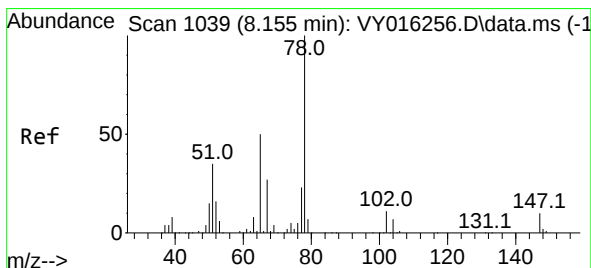
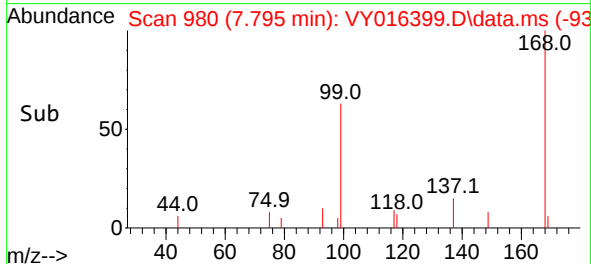
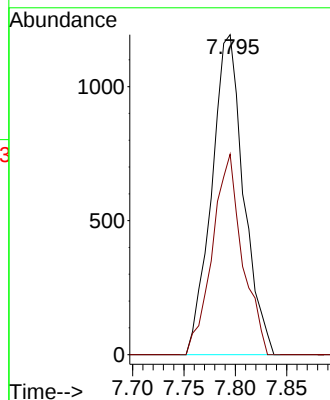
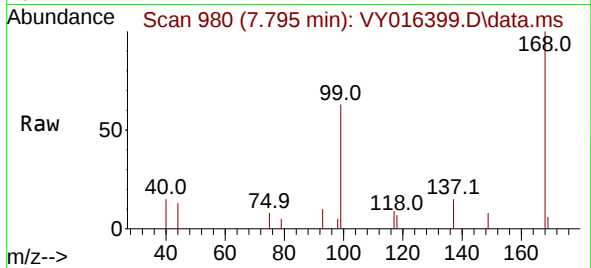




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY016399.D  
Acq: 16 Nov 2023 18:48

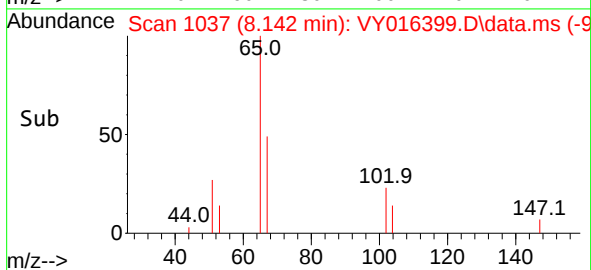
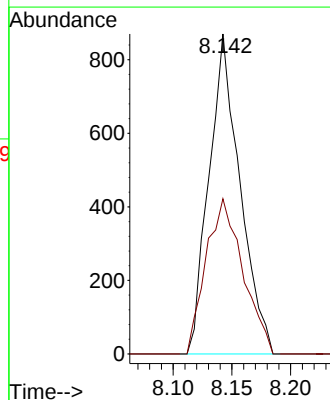
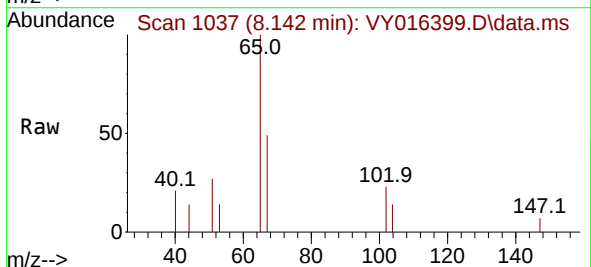
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-SED-04-G

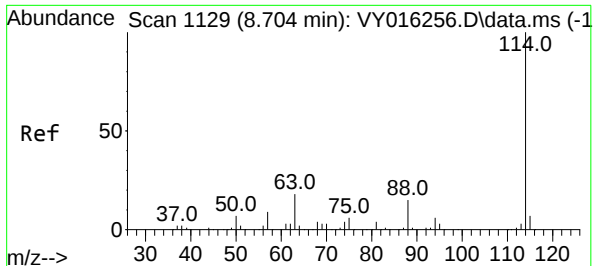
Tgt Ion:168 Resp: 2584  
Ion Ratio Lower Upper  
168 100  
99 62.6 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 67.664 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.013 min  
Lab File: VY016399.D  
Acq: 16 Nov 2023 18:48

Tgt Ion: 65 Resp: 1598  
Ion Ratio Lower Upper  
65 100  
67 57.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.013 min

Lab File: VY016399.D

Acq: 16 Nov 2023 18:48

Instrument :

MSVOA\_Y

ClientSampleId :

WC-SED-04-G

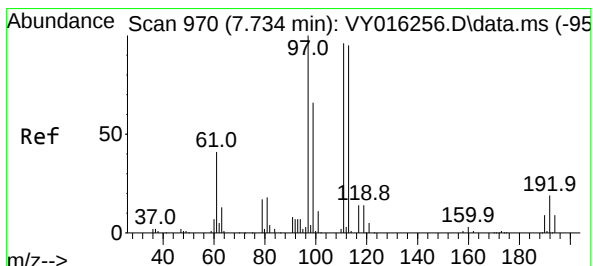
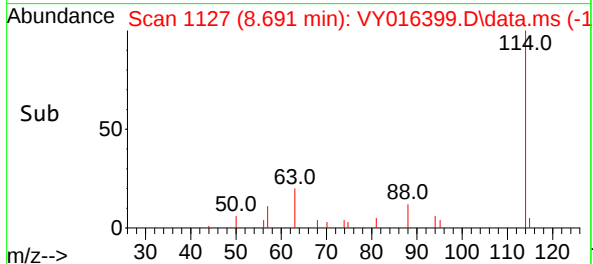
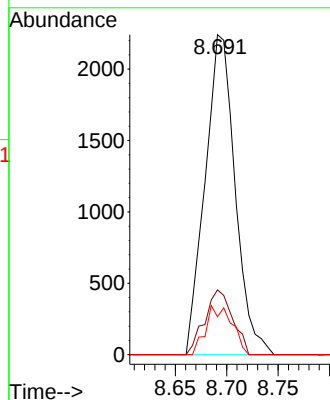
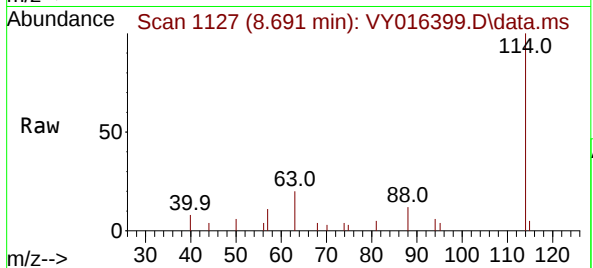
Tgt Ion:114 Resp: 4552

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.4

88 11.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 18.292 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.013 min

Lab File: VY016399.D

Acq: 16 Nov 2023 18:48

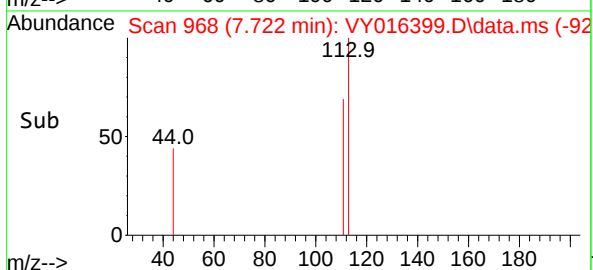
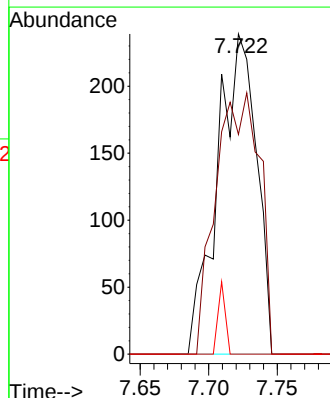
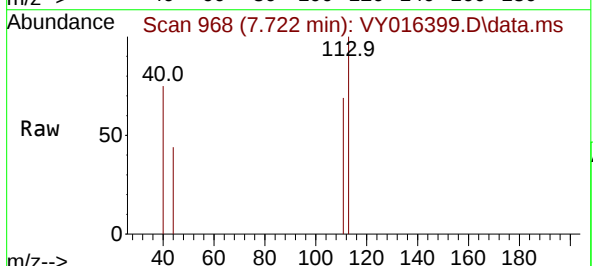
Tgt Ion:113 Resp: 473

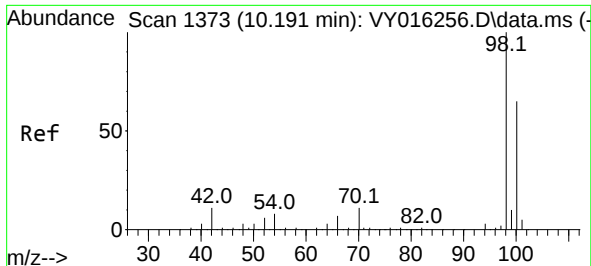
Ion Ratio Lower Upper

113 100

111 91.5 81.3 121.9

192 4.2 16.9 25.3#

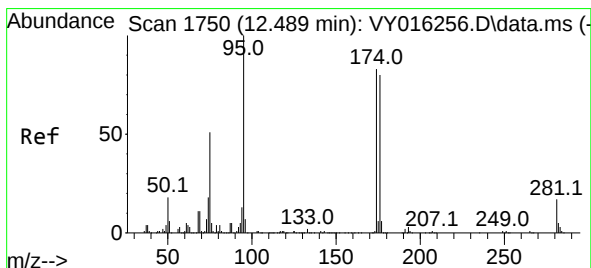
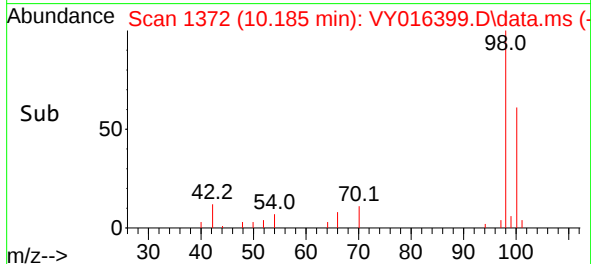
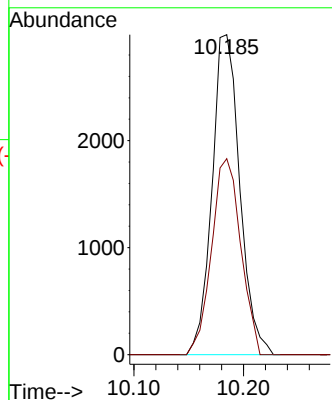
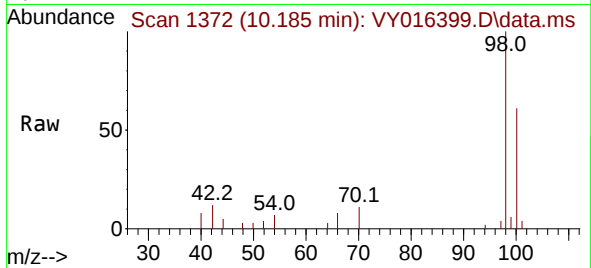




#50  
Toluene-d8  
Concen: 50.219 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY016399.D  
Acq: 16 Nov 2023 18:48

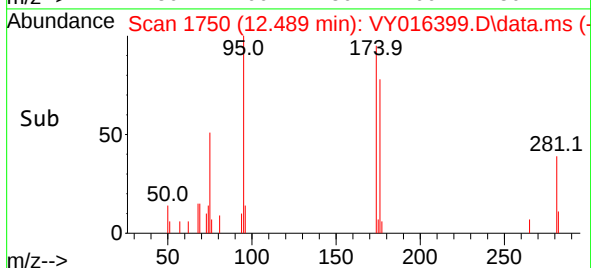
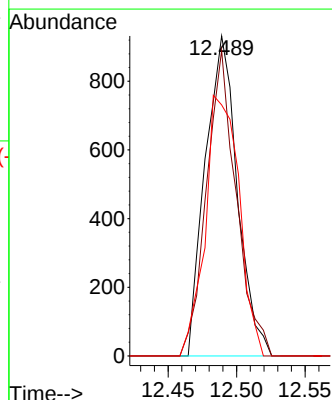
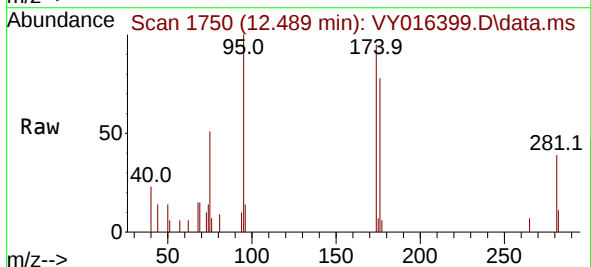
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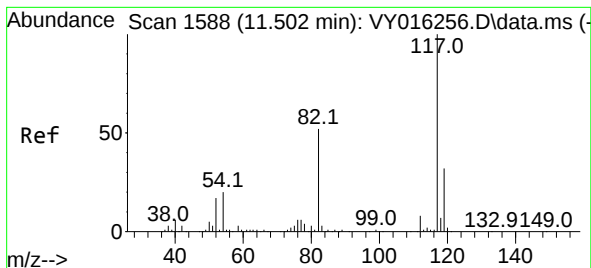
Tgt Ion: 98 Resp: 5266  
Ion Ratio Lower Upper  
98 100  
100 64.1 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 44.484 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.000 min  
Lab File: VY016399.D  
Acq: 16 Nov 2023 18:48

Tgt Ion: 95 Resp: 1515  
Ion Ratio Lower Upper  
95 100  
174 88.8 0.0 178.2  
176 86.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016399.D

Acq: 16 Nov 2023 18:48

Instrument :

MSVOA\_Y

ClientSampleId :

WC-SED-04-G

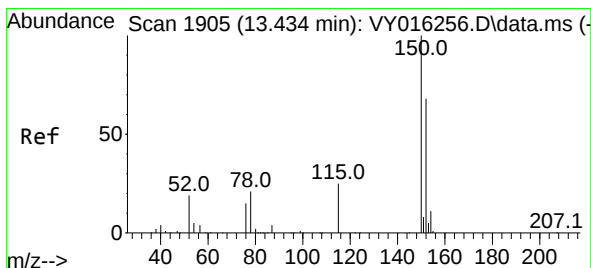
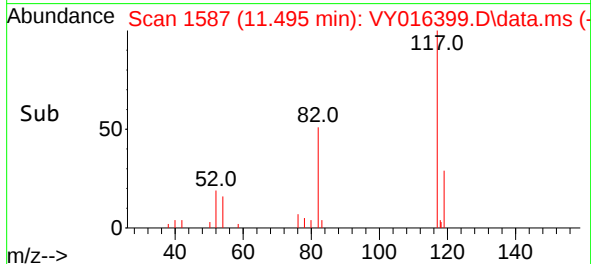
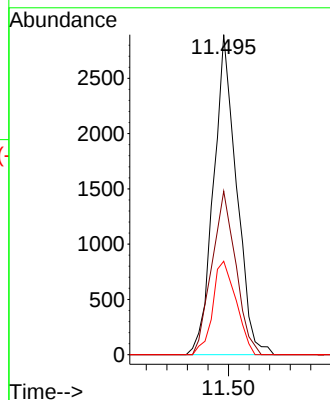
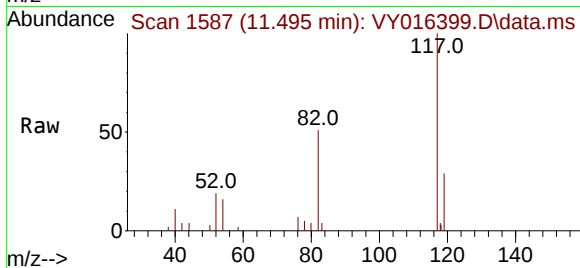
Tgt Ion:117 Resp: 4493

Ion Ratio Lower Upper

117 100

82 51.1 43.4 65.0

119 29.2 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VY016399.D

Acq: 16 Nov 2023 18:48

Tgt Ion:152 Resp: 1271

Ion Ratio Lower Upper

152 100

115 58.3 28.8 86.5

150 158.0 0.0 348.8

