

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110923\  
 Data File : VY016270.D  
 Acq On : 09 Nov 2023 10:02  
 Operator : SY/MD  
 Sample : VY1109SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1109SBL01

Quant Time: Nov 09 22:54:20 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      | 7.807  | 168  | 106871   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.703  | 114  | 187859   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.501 | 117  | 175693   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.440 | 152  | 80318    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.161  | 65    | 64861    | 66.404   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 132.800% |
| 35) Dibromofluoromethane    | 7.734  | 113   | 57711    | 54.079   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 108.160% |
| 50) Toluene-d8              | 10.191 | 98    | 220669   | 50.992   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 101.980% |
| 62) 4-Bromofluorobenzene    | 12.495 | 95    | 74838    | 53.246   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 106.500% |

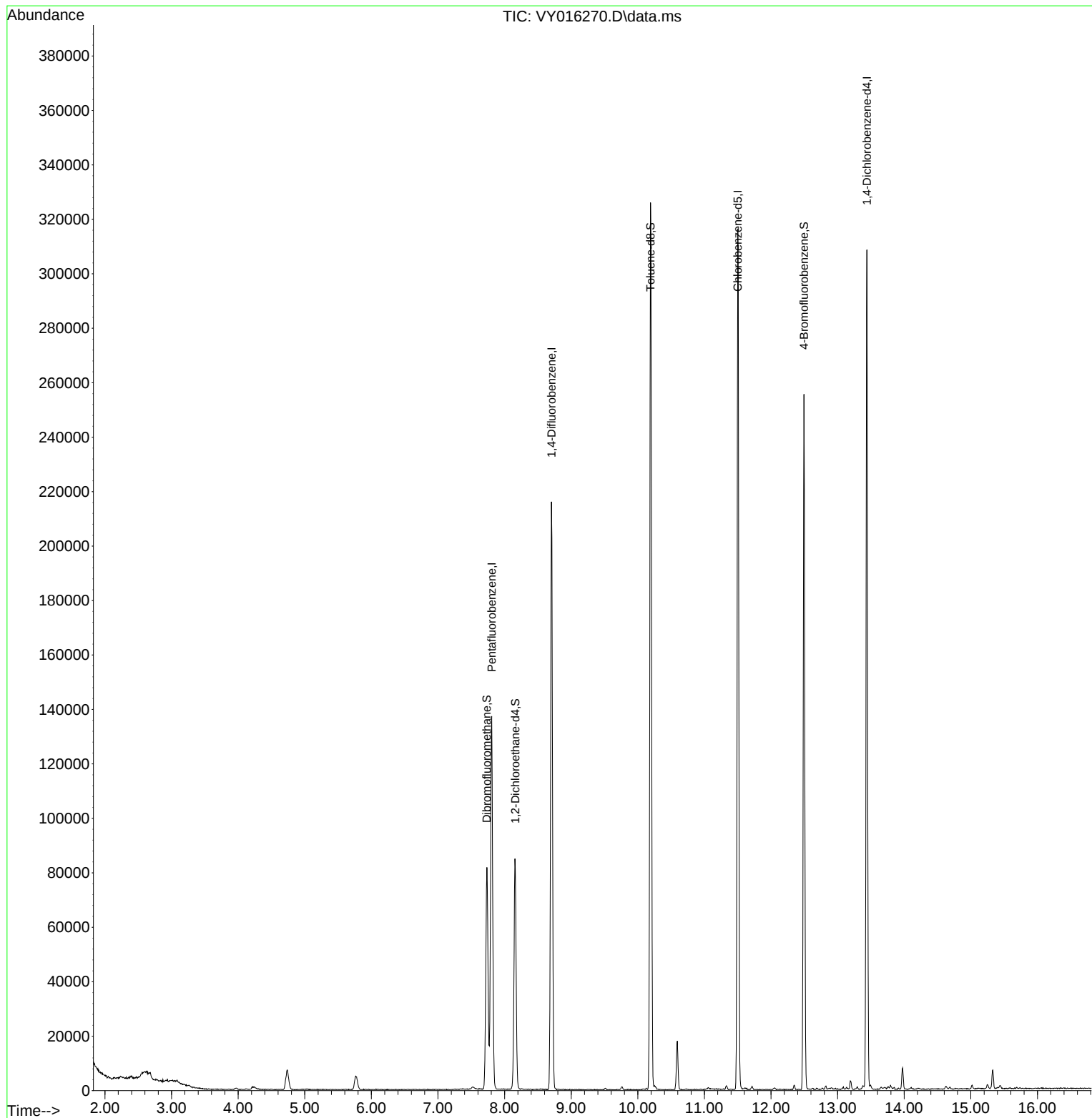
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

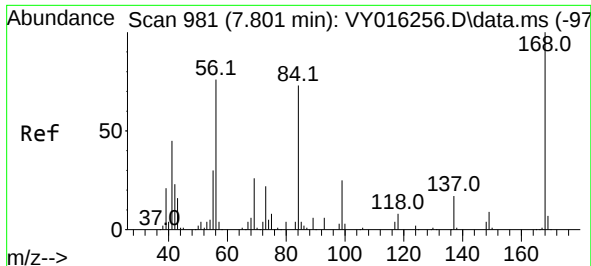
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110923\  
Data File : VY016270.D  
Acq On : 09 Nov 2023 10:02  
Operator : SY/MD  
Sample : VY1109SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1109SBL01

Quant Time: Nov 09 22:54:20 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

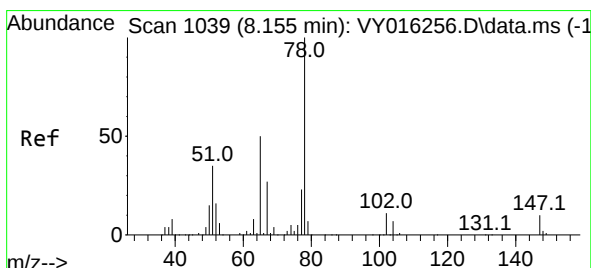
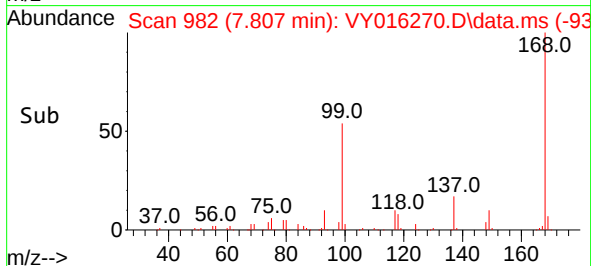
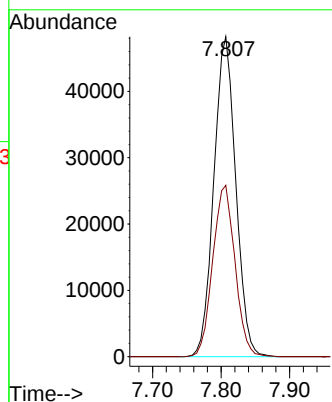
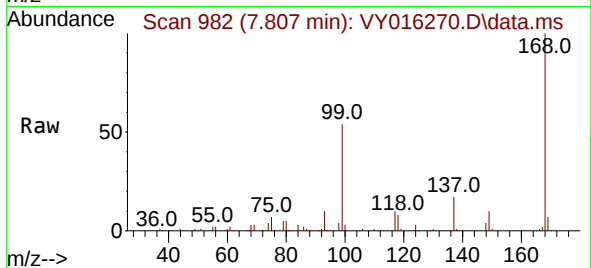




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.807 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY016270.D  
Acq: 09 Nov 2023 10:02

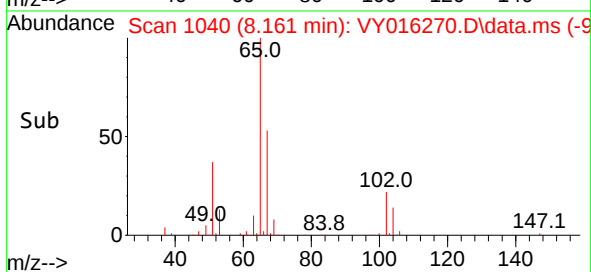
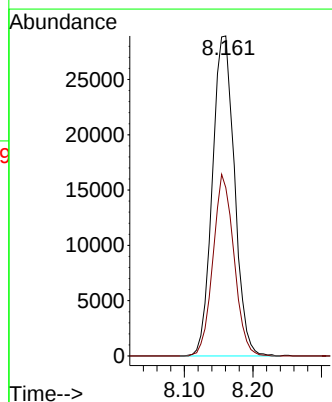
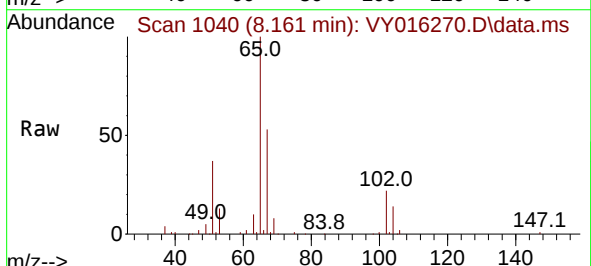
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1109SBL01

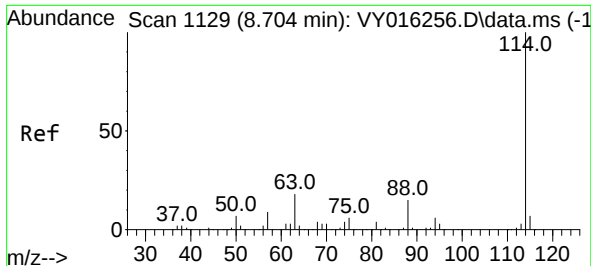
Tgt Ion:168 Resp: 106871  
Ion Ratio Lower Upper  
168 100  
99 53.6 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 66.404 ug/l  
RT: 8.161 min Scan# 1040  
Delta R.T. 0.006 min  
Lab File: VY016270.D  
Acq: 09 Nov 2023 10:02

Tgt Ion: 65 Resp: 64861  
Ion Ratio Lower Upper  
65 100  
67 53.8 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VY016270.D

Acq: 09 Nov 2023 10:02

Instrument :

MSVOA\_Y

ClientSampleId :

VY1109SBL01

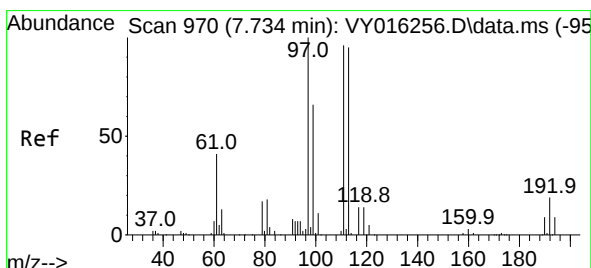
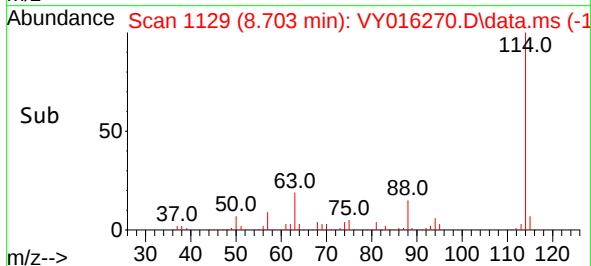
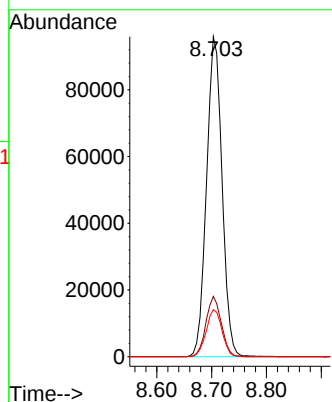
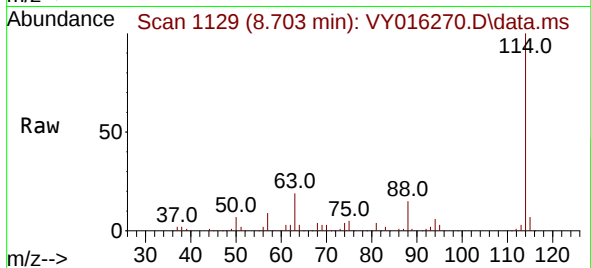
Tgt Ion:114 Resp: 187859

Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.079 ug/l

RT: 7.734 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY016270.D

Acq: 09 Nov 2023 10:02

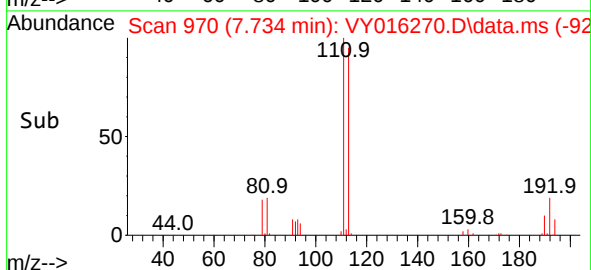
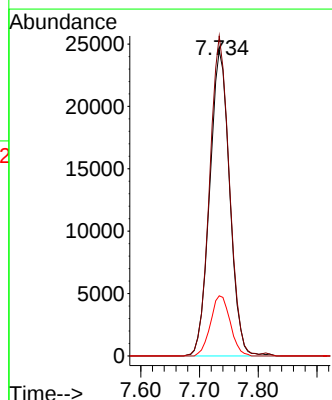
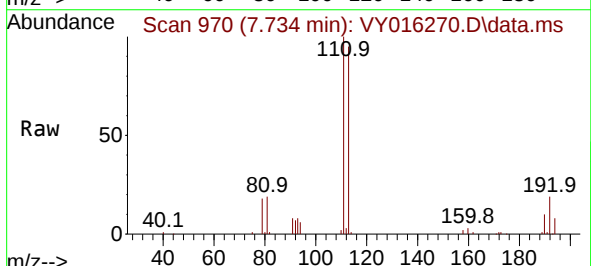
Tgt Ion:113 Resp: 57711

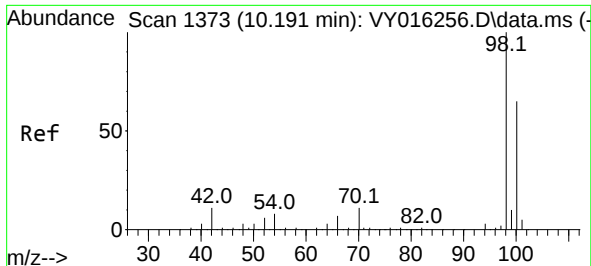
Ion Ratio Lower Upper

113 100

111 103.3 81.3 121.9

192 19.4 16.9 25.3

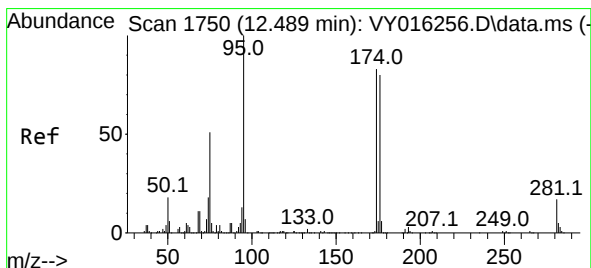
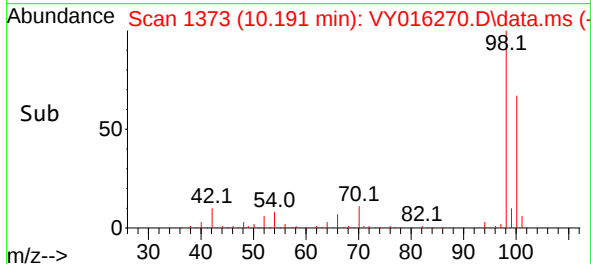
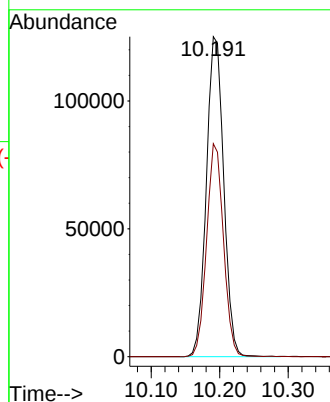
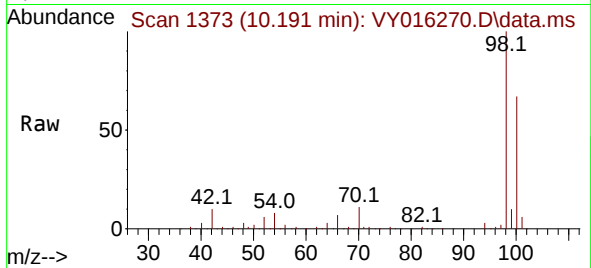




#50  
Toluene-d8  
Concen: 50.992 ug/l  
RT: 10.191 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY016270.D  
Acq: 09 Nov 2023 10:02

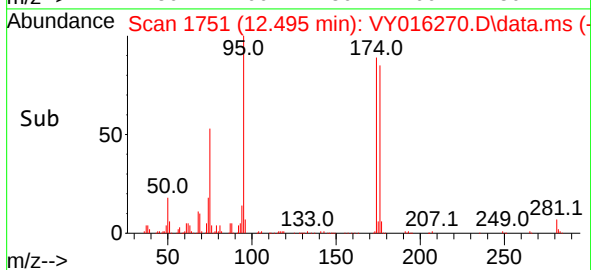
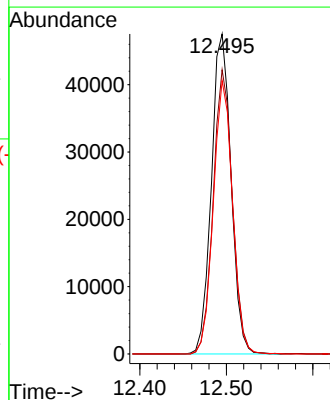
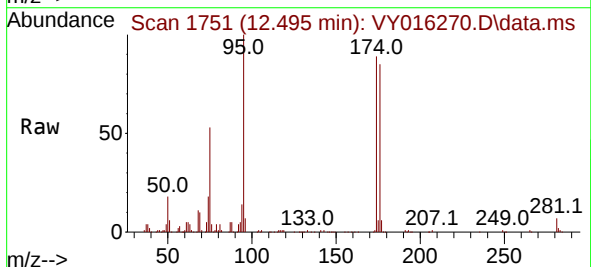
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1109SBL01

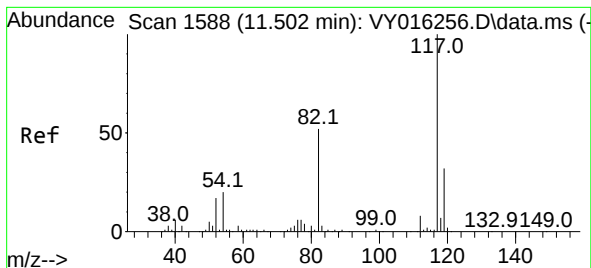
Tgt Ion: 98 Resp: 220669  
Ion Ratio Lower Upper  
98 100  
100 64.8 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 53.246 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. 0.006 min  
Lab File: VY016270.D  
Acq: 09 Nov 2023 10:02

Tgt Ion: 95 Resp: 74838  
Ion Ratio Lower Upper  
95 100  
174 86.8 0.0 178.2  
176 83.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.501 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016270.D

Acq: 09 Nov 2023 10:02

Instrument :

MSVOA\_Y

ClientSampleId :

VY1109SBL01

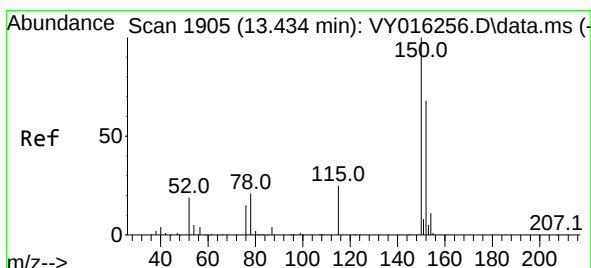
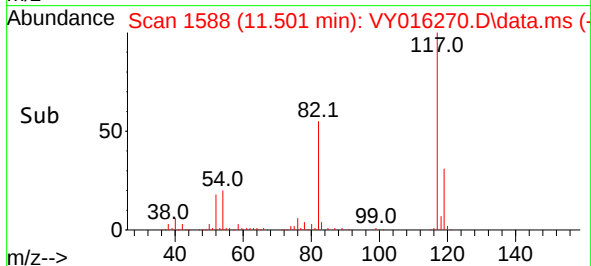
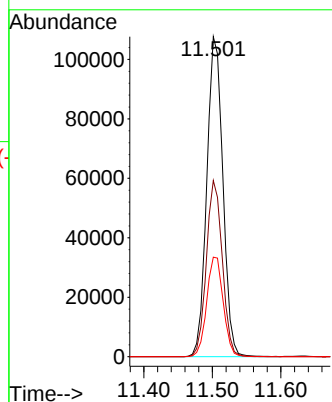
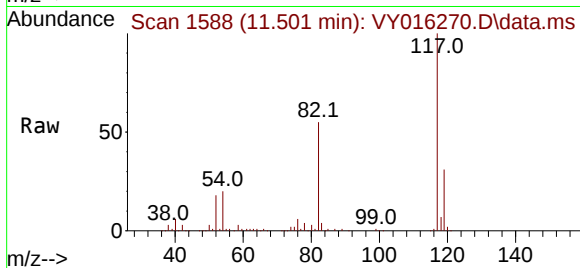
Tgt Ion:117 Resp: 175693

Ion Ratio Lower Upper

117 100

82 55.1 43.4 65.0

119 31.1 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY016270.D

Acq: 09 Nov 2023 10:02

Tgt Ion:152 Resp: 80318

Ion Ratio Lower Upper

152 100

115 57.4 28.8 86.5

150 155.2 0.0 348.8

