

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110923\  
 Data File : VY016283.D  
 Acq On : 09 Nov 2023 15:47  
 Operator : SY/MD  
 Sample : 05311-01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-1

Quant Time: Nov 09 23:00:05 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  | 95249    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 169733   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 164553   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.434 | 152  | 76518    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 60406    | 69.389   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 138.780% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 52588    | 54.541   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 109.080% |
| 50) Toluene-d8              | 10.185 | 98    | 199411   | 51.000   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 102.000% |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 70923    | 55.849   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 111.700% |

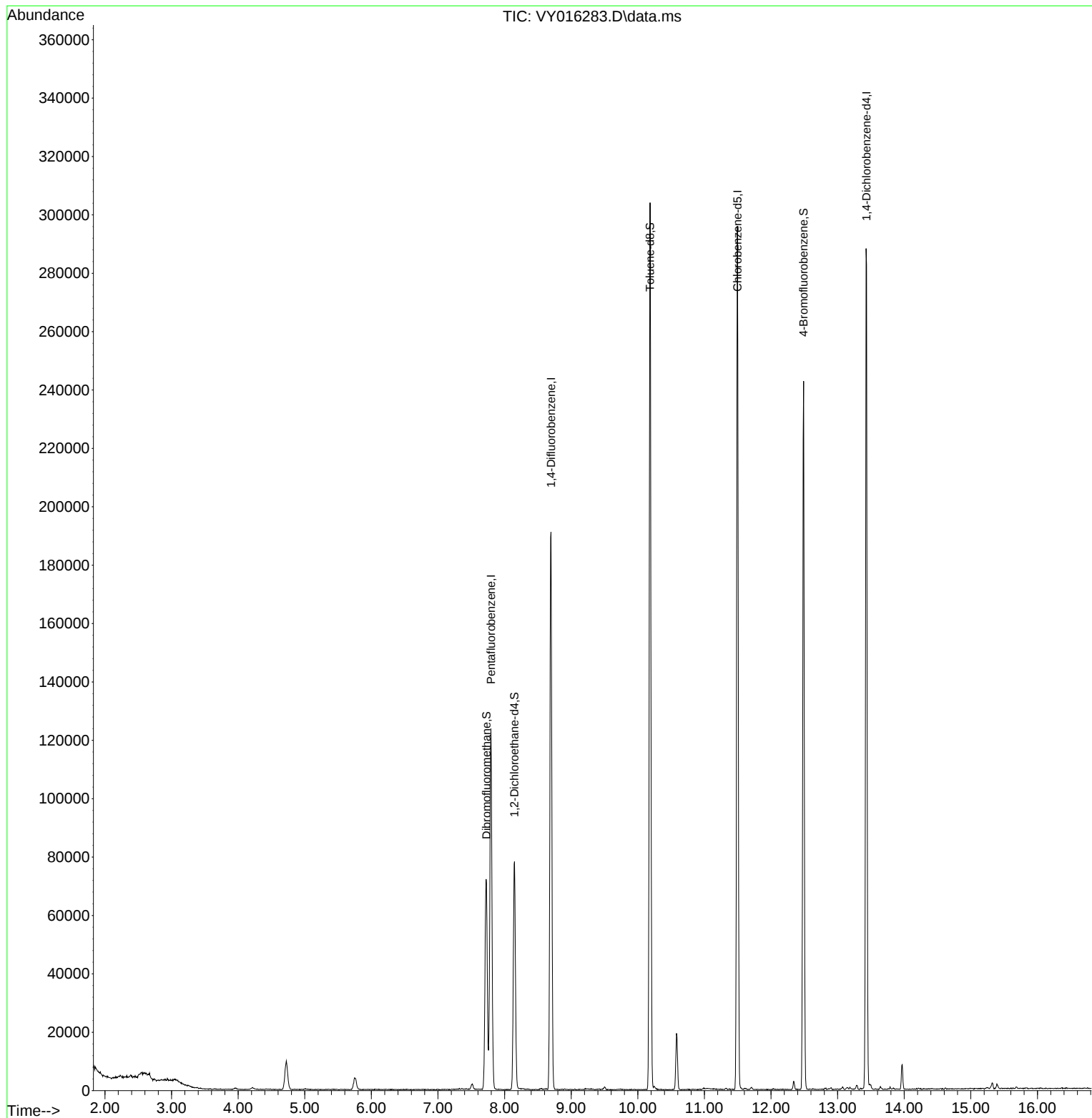
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

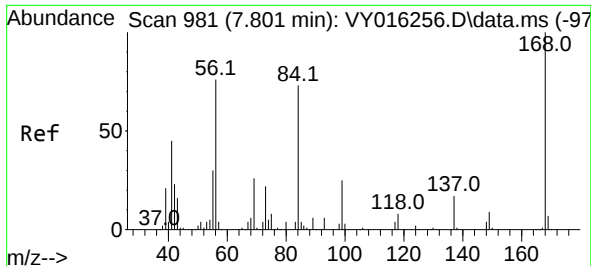
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110923\  
Data File : VY016283.D  
Acq On : 09 Nov 2023 15:47  
Operator : SY/MD  
Sample : 05311-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-1

Quant Time: Nov 09 23:00:05 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

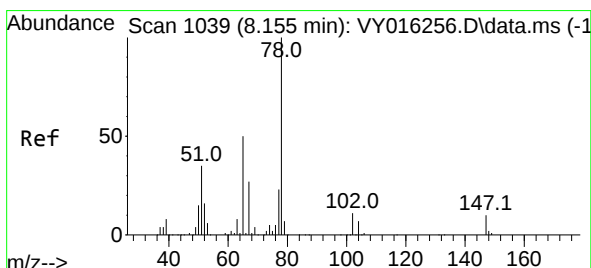
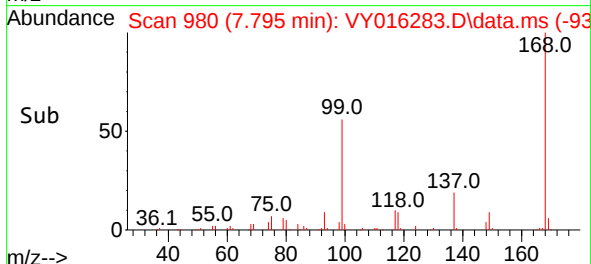
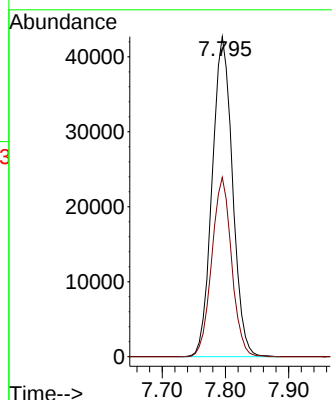
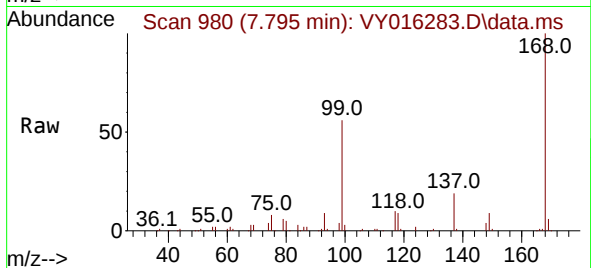




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY016283.D  
Acq: 09 Nov 2023 15:47

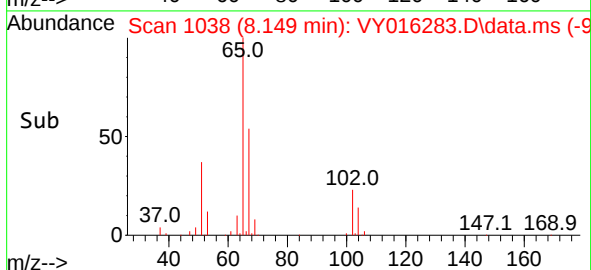
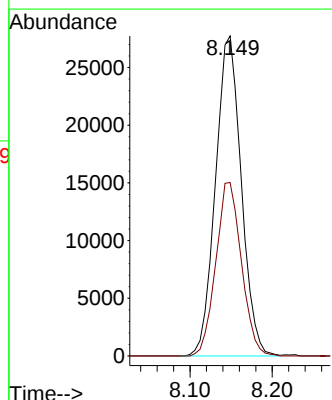
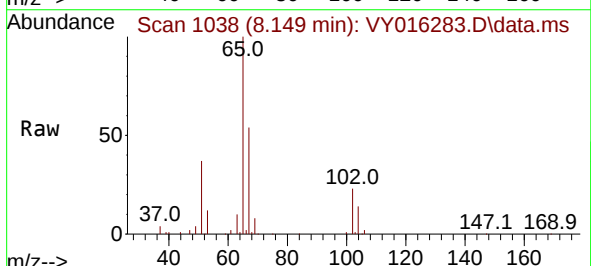
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-1

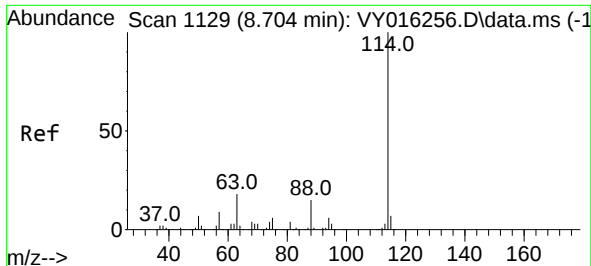
Tgt Ion:168 Resp: 95249  
Ion Ratio Lower Upper  
168 100  
99 56.1 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 69.389 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VY016283.D  
Acq: 09 Nov 2023 15:47

Tgt Ion: 65 Resp: 60406  
Ion Ratio Lower Upper  
65 100  
67 53.8 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY016283.D

Acq: 09 Nov 2023 15:47

Instrument :

MSVOA\_Y

ClientSampleId :

TP-1

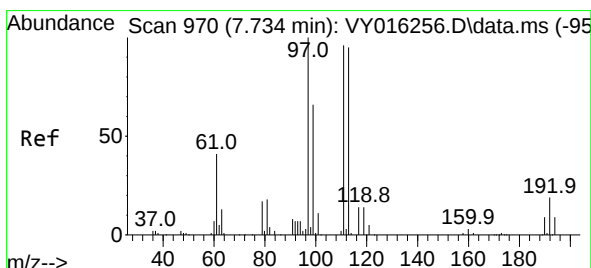
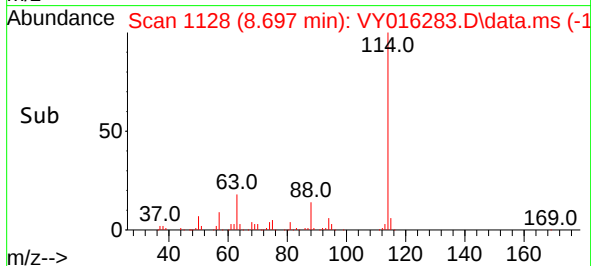
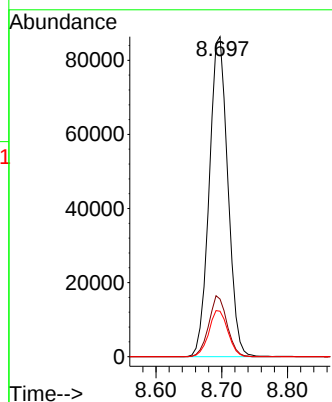
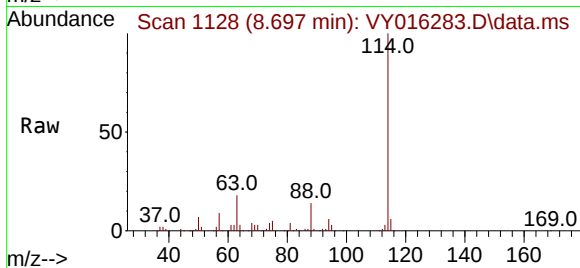
Tgt Ion:114 Resp: 169733

Ion Ratio Lower Upper

114 100

63 18.0 0.0 42.4

88 14.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.541 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY016283.D

Acq: 09 Nov 2023 15:47

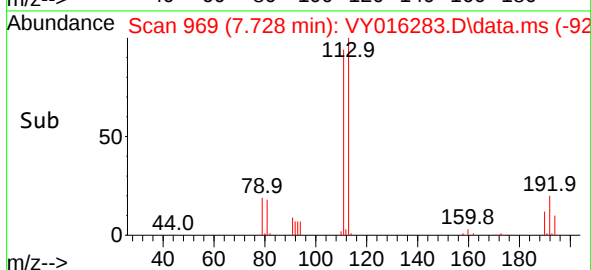
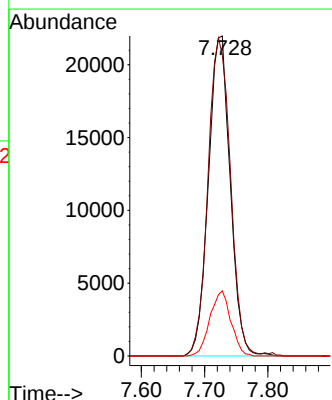
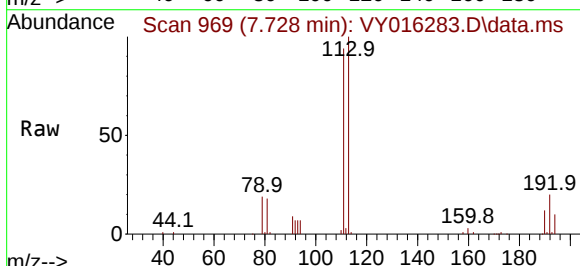
Tgt Ion:113 Resp: 52588

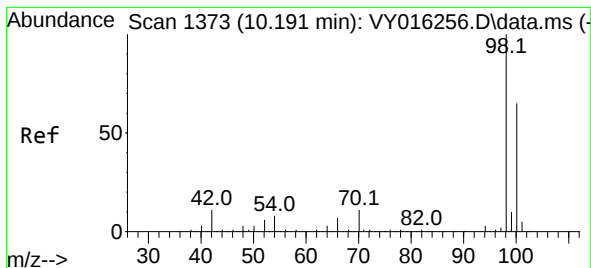
Ion Ratio Lower Upper

113 100

111 102.4 81.3 121.9

192 19.5 16.9 25.3





#50

Toluene-d8

Concen: 51.000 ug/l

RT: 10.185 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY016283.D

Acq: 09 Nov 2023 15:47

Instrument :

MSVOA\_Y

ClientSampleId :

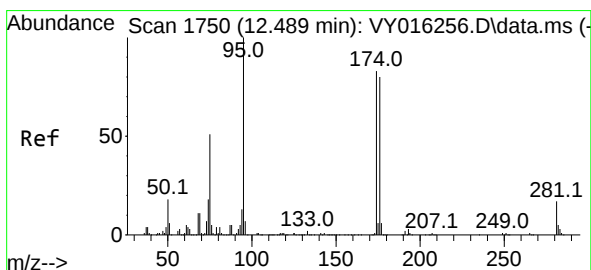
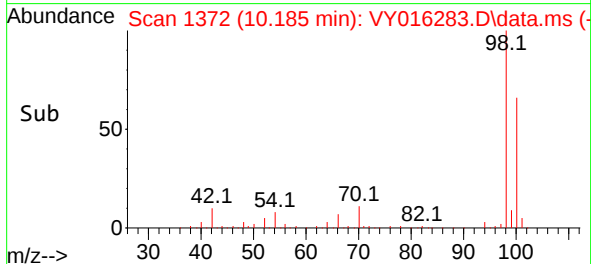
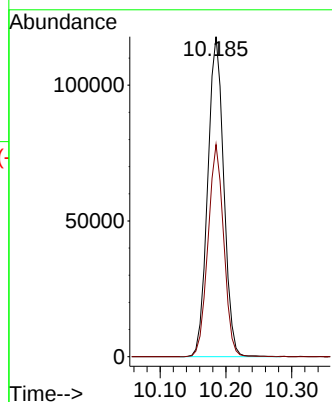
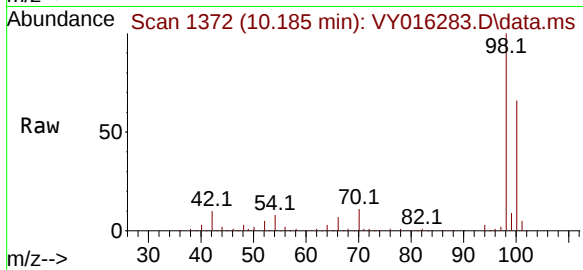
TP-1

Tgt Ion: 98 Resp: 199411

Ion Ratio Lower Upper

98 100

100 65.1 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 55.849 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VY016283.D

Acq: 09 Nov 2023 15:47

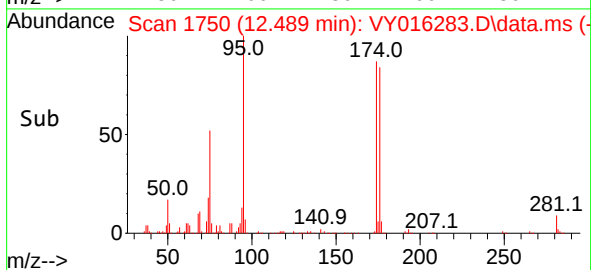
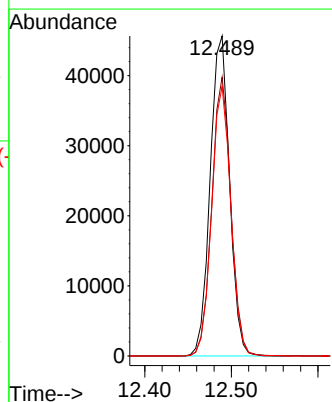
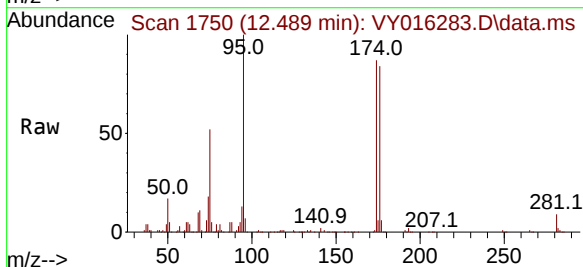
Tgt Ion: 95 Resp: 70923

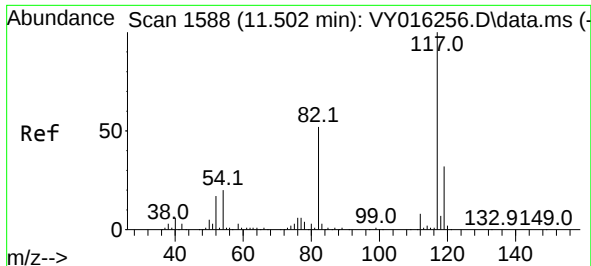
Ion Ratio Lower Upper

95 100

174 85.9 0.0 178.2

176 83.4 0.0 173.8

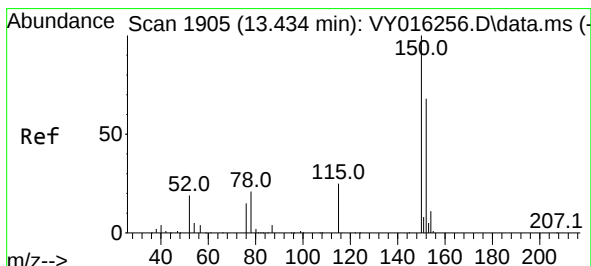
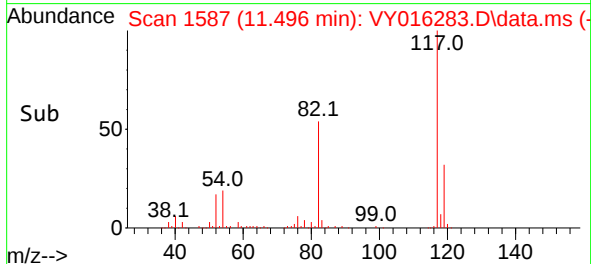
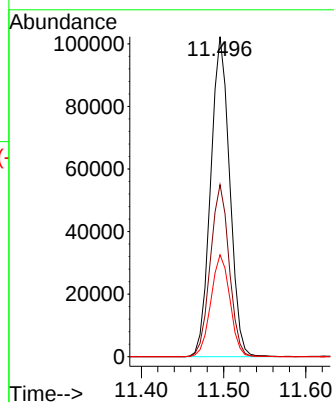
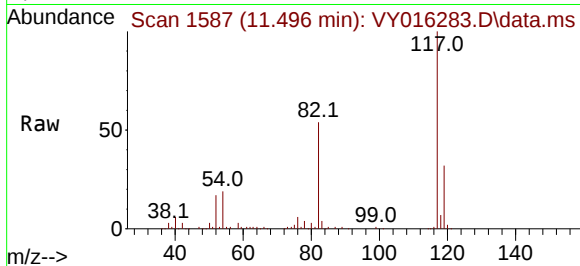




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY016283.D  
Acq: 09 Nov 2023 15:47

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-1

Tgt Ion:117 Resp: 164553  
Ion Ratio Lower Upper  
117 100  
82 53.8 43.4 65.0  
119 31.9 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: VY016283.D  
Acq: 09 Nov 2023 15:47

Tgt Ion:152 Resp: 76518  
Ion Ratio Lower Upper  
152 100  
115 58.4 28.8 86.5  
150 156.6 0.0 348.8

