

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111621\  
 Data File : VY006756.D  
 Acq On : 16 Nov 2021 13:04  
 Operator : SY/MD  
 Sample : M4681-01  
 Misc : 5.48G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 COMP-1

Quant Time: Nov 17 04:11:23 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111521S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 16 04:20:03 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.801  | 168  | 101593   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 176750   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 164091   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 63069    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 84016    | 63.099   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 126.200% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 55888    | 51.478   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 102.960% |
| 50) Toluene-d8              | 10.185 | 98    | 222192   | 49.457   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 98.920%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 66890    | 44.164   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 88.320%  |

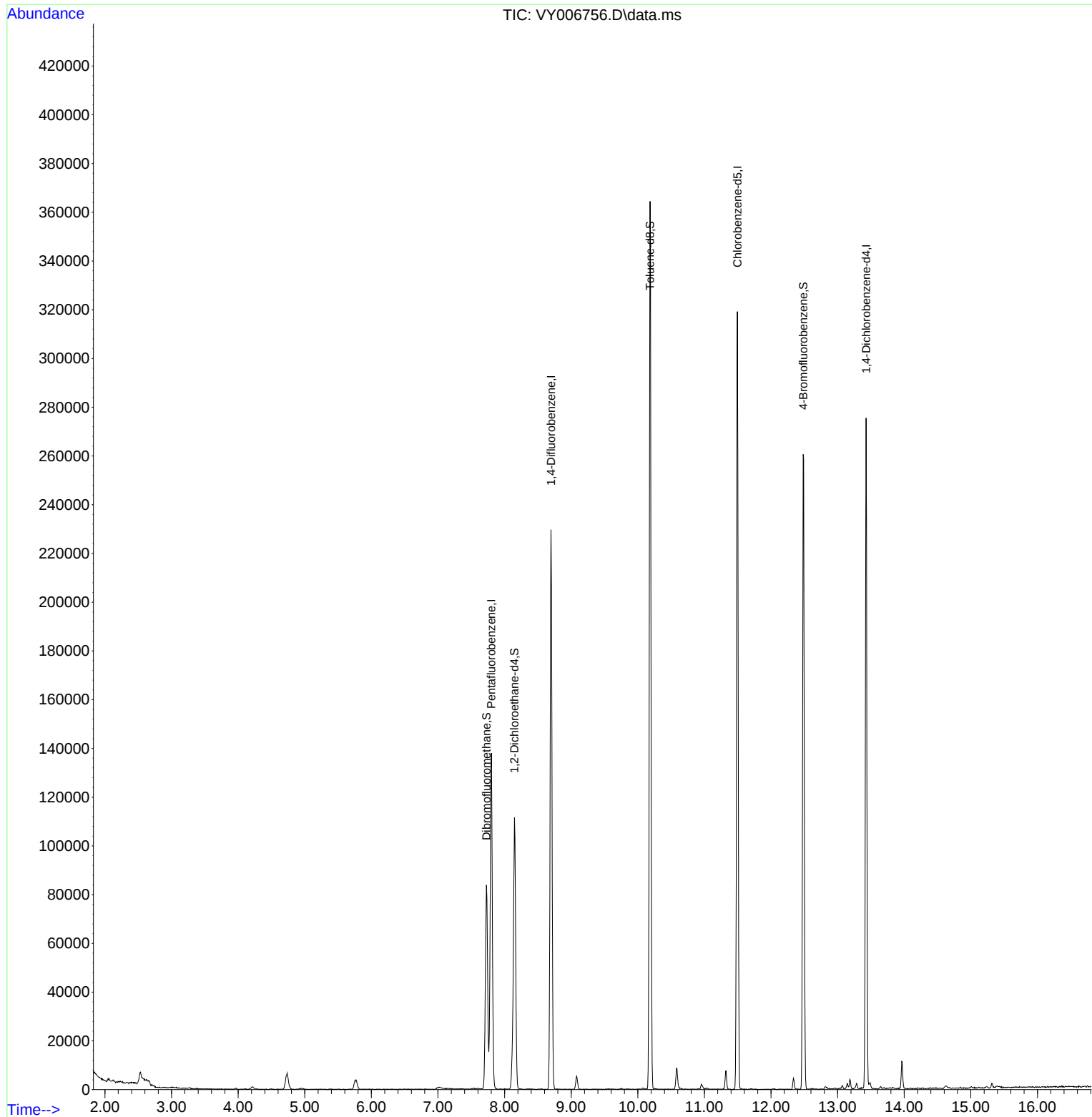
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

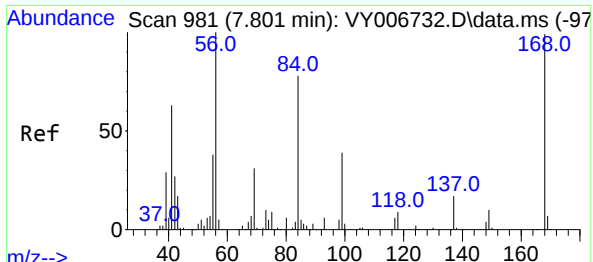
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Nov 16 04:20:03 2021  
Response via : Initial Calibration

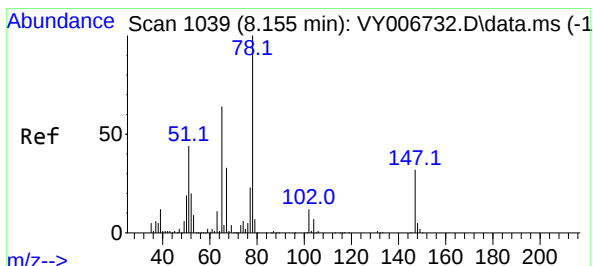
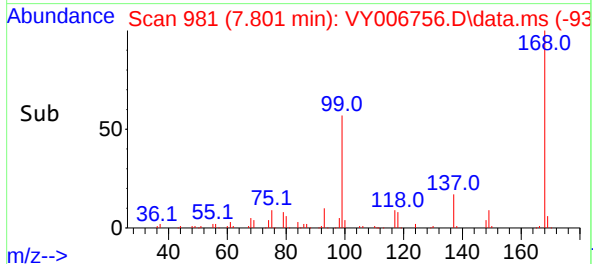
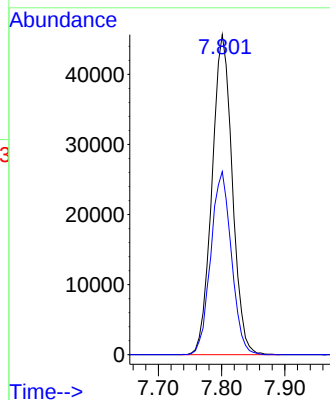
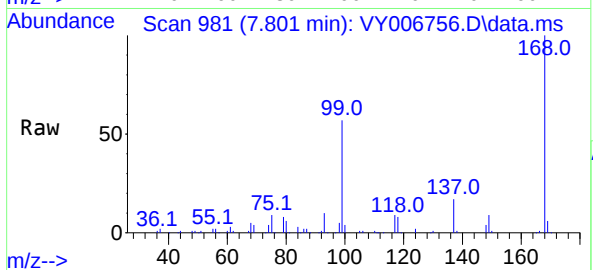




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY006756.D  
Acq: 16 Nov 2021 13:04

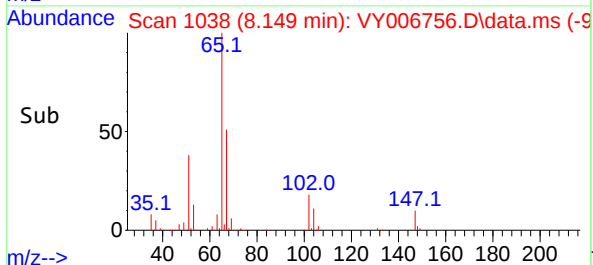
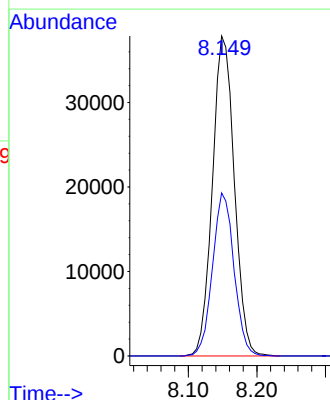
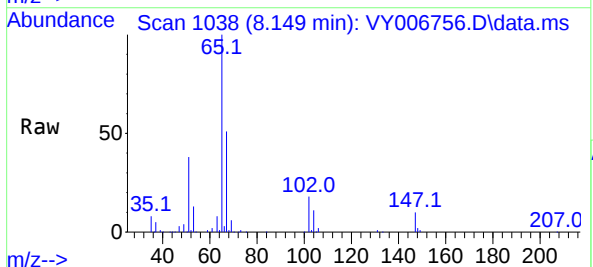
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-1

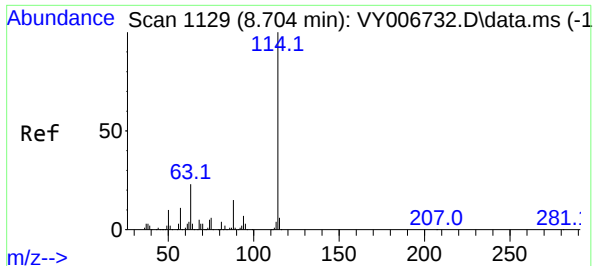
Tgt Ion:168 Resp: 101593  
Ion Ratio Lower Upper  
168 100  
99 57.2 44.8 67.2



#33  
1,2-Dichloroethane-d4  
Concen: 63.099 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VY006756.D  
Acq: 16 Nov 2021 13:04

Tgt Ion: 65 Resp: 84016  
Ion Ratio Lower Upper  
65 100  
67 50.0 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY006756.D

Acq: 16 Nov 2021 13:04

Instrument :

MSVOA\_Y

ClientSampleId :

COMP-1

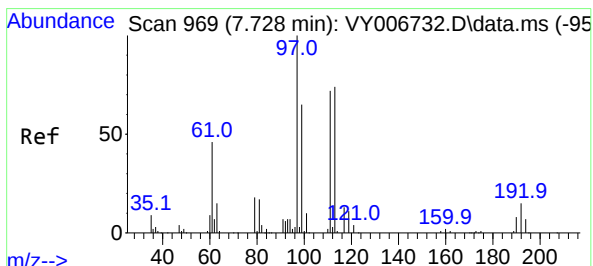
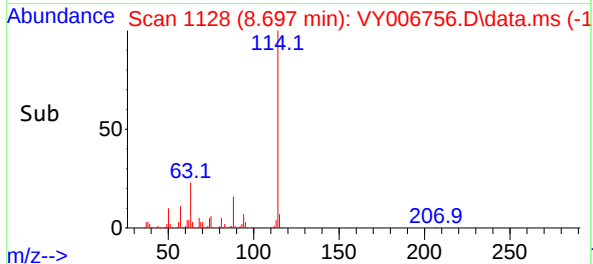
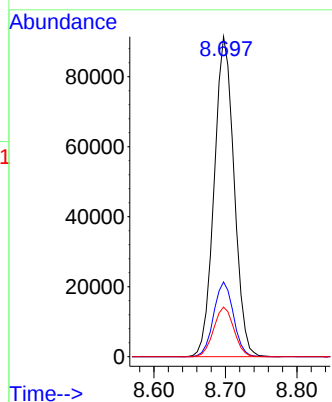
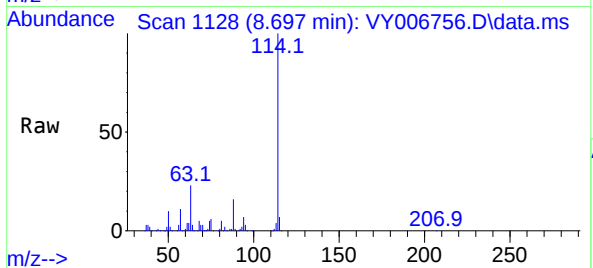
Tgt Ion:114 Resp: 176750

Ion Ratio Lower Upper

114 100

63 23.4 0.0 45.0

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.478 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.000 min

Lab File: VY006756.D

Acq: 16 Nov 2021 13:04

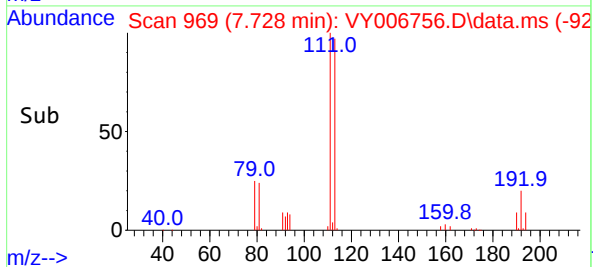
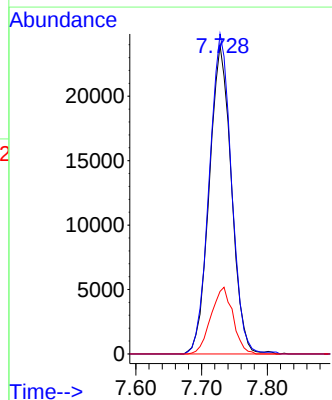
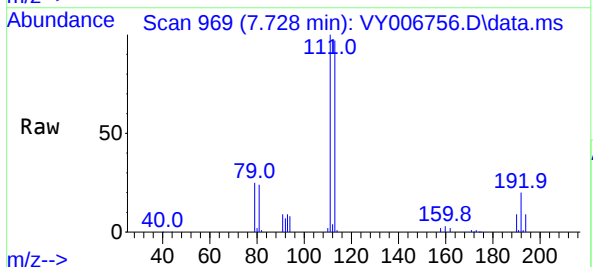
Tgt Ion:113 Resp: 55888

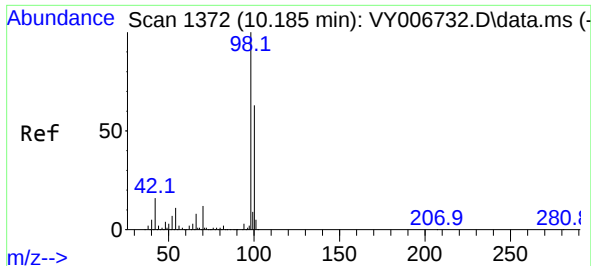
Ion Ratio Lower Upper

113 100

111 104.1 82.3 123.5

192 21.5 17.4 26.2

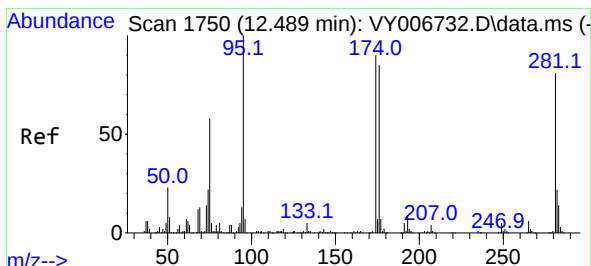
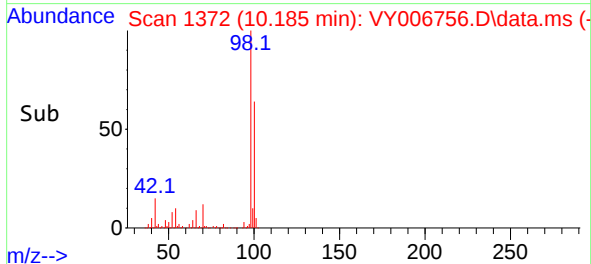
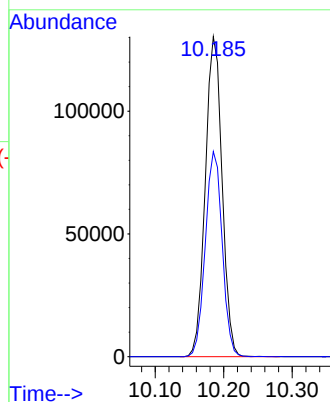
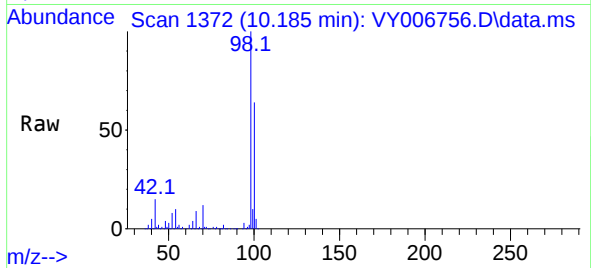




#50  
Toluene-d8  
Concen: 49.457 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY006756.D  
Acq: 16 Nov 2021 13:04

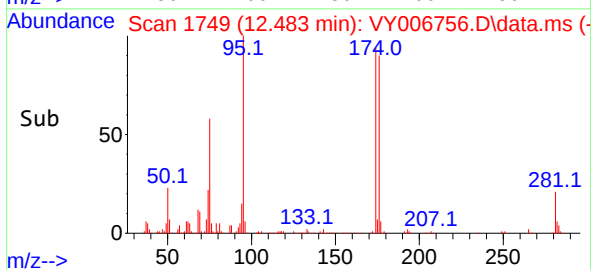
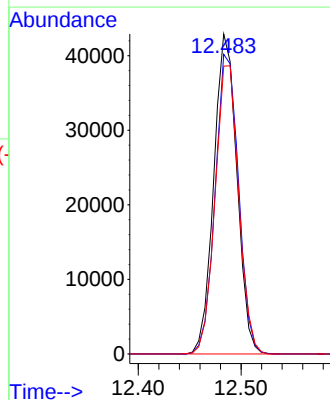
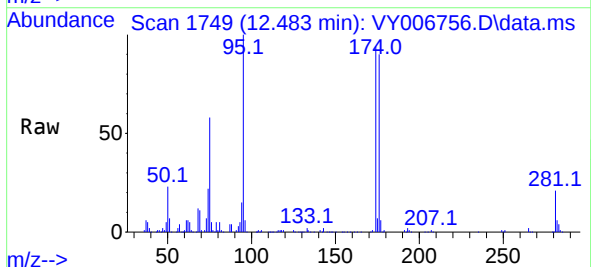
Instrument :  
MSVOA\_Y  
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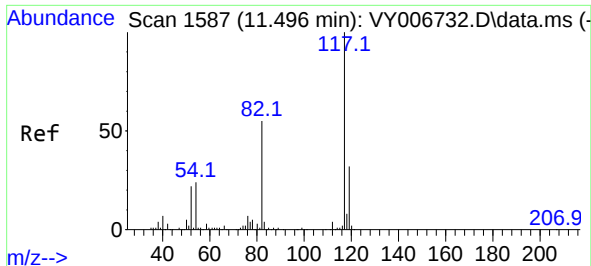
Tgt Ion: 98 Resp: 222192  
Ion Ratio Lower Upper  
98 100  
100 64.4 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 44.164 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.006 min  
Lab File: VY006756.D  
Acq: 16 Nov 2021 13:04

Tgt Ion: 95 Resp: 66890  
Ion Ratio Lower Upper  
95 100  
174 94.6 0.0 177.0  
176 92.1 0.0 169.4

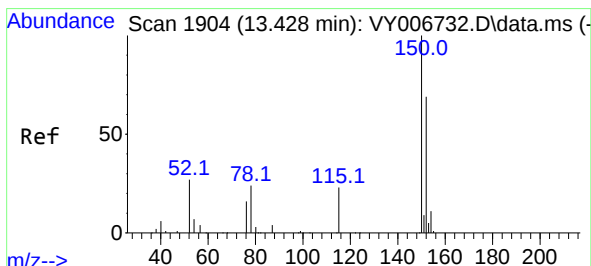
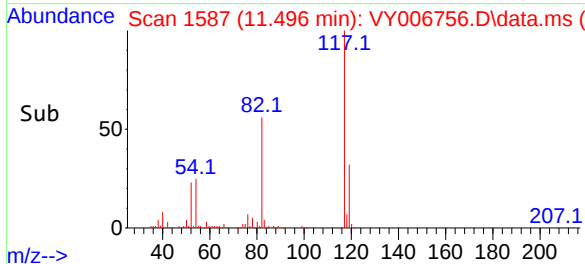
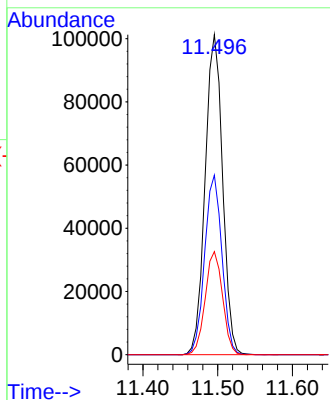
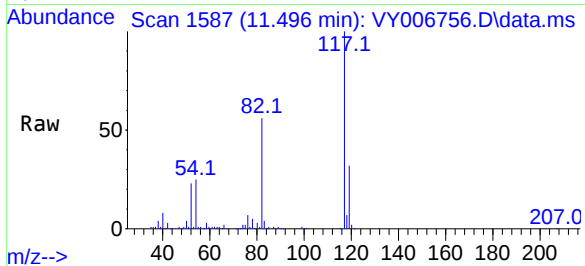




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY006756.D  
Acq: 16 Nov 2021 13:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-1

Tgt Ion:117 Resp: 164091  
Ion Ratio Lower Upper  
117 100  
82 56.1 45.7 68.5  
119 32.2 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: VY006756.D  
Acq: 16 Nov 2021 13:04

Tgt Ion:152 Resp: 63069  
Ion Ratio Lower Upper  
152 100  
115 58.1 28.5 85.5  
150 157.8 0.0 348.2

