

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122123\  
 Data File : VY016763.D  
 Acq On : 21 Dec 2023 17:47  
 Operator : SY/MD  
 Sample : 05878-08  
 Misc : 1.03g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 COLZ8

Quant Time: Dec 22 00:44:50 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122023S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 21 01:49:45 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.807  | 168  | 124497   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.703  | 114  | 253609   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.508 | 117  | 228075   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.440 | 152  | 78716    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 56815    | 49.990   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 99.980% |
| 35) Dibromofluoromethane    | 7.734  | 113   | 60696    | 41.780   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 83.560% |
| 50) Toluene-d8              | 10.197 | 98    | 218238   | 41.673   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 83.340% |
| 62) 4-Bromofluorobenzene    | 12.495 | 95    | 68006    | 40.026   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 80.060% |

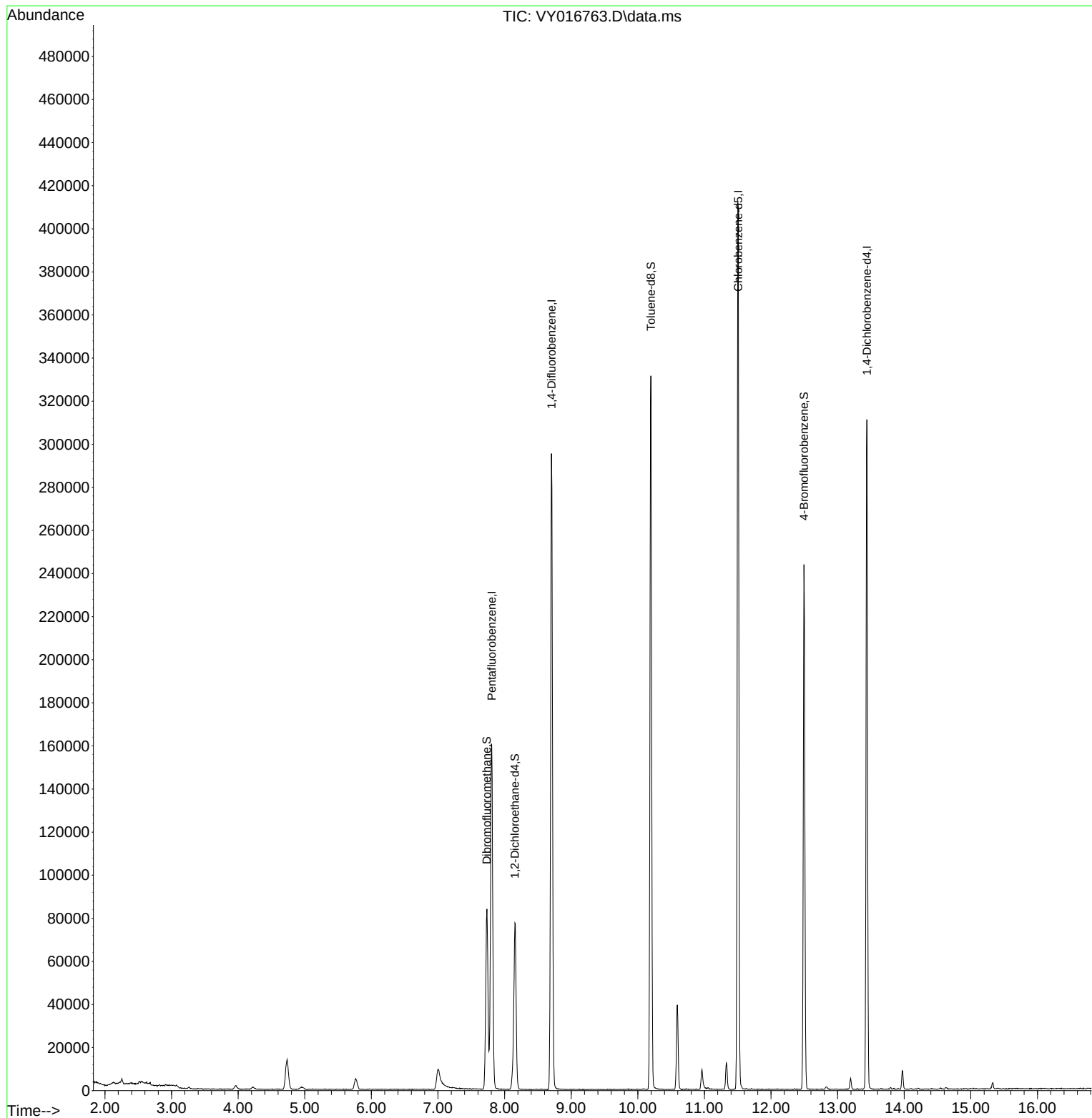
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

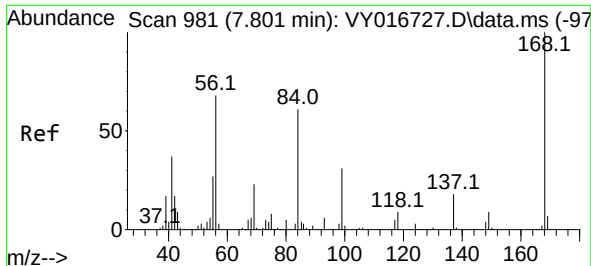
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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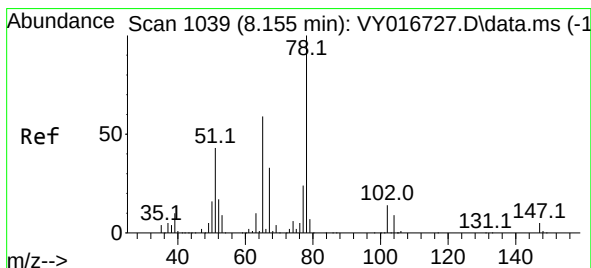
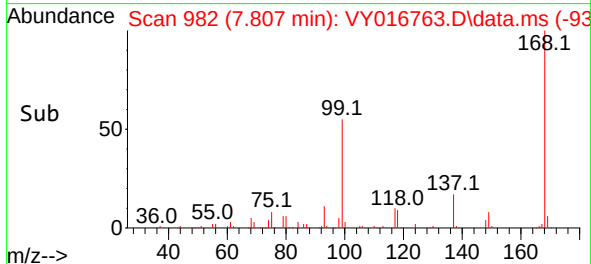
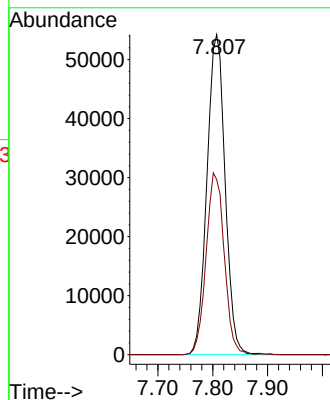
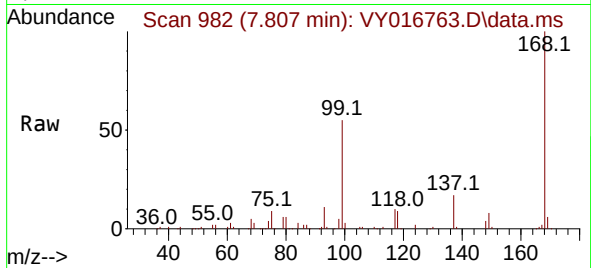




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.807 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY016763.D  
Acq: 21 Dec 2023 17:47

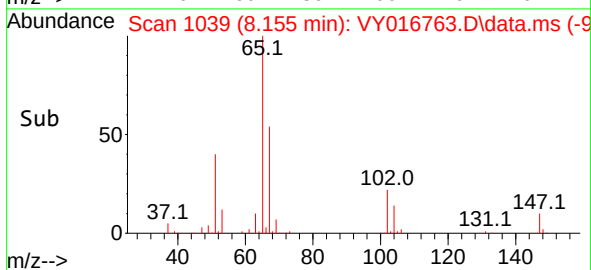
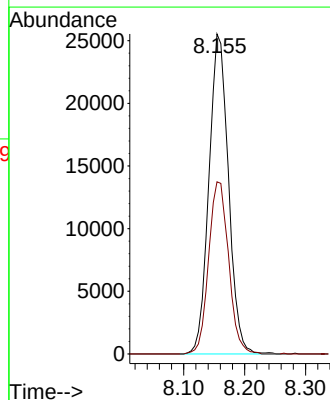
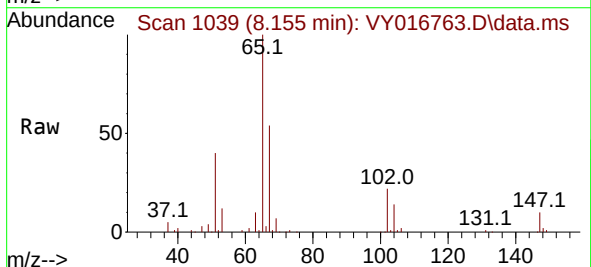
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COLZ8

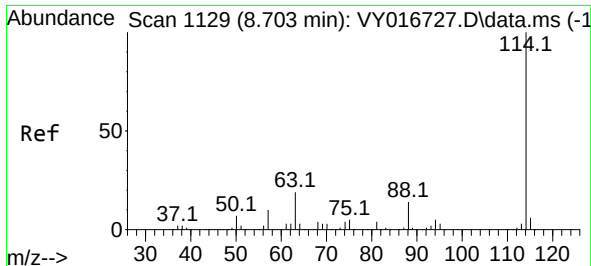
Tgt Ion:168 Resp: 124497  
Ion Ratio Lower Upper  
168 100  
99 54.7 44.2 66.4



#33  
1,2-Dichloroethane-d4  
Concen: 49.990 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. 0.000 min  
Lab File: VY016763.D  
Acq: 21 Dec 2023 17:47

Tgt Ion: 65 Resp: 56815  
Ion Ratio Lower Upper  
65 100  
67 55.1 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VY016763.D

Acq: 21 Dec 2023 17:47

Instrument :

MSVOA\_Y

ClientSampleId :

COLZ8

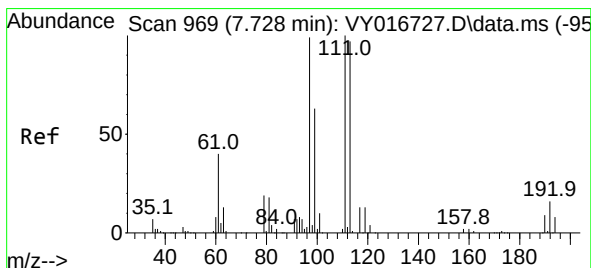
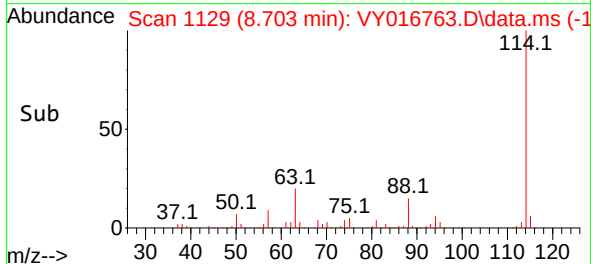
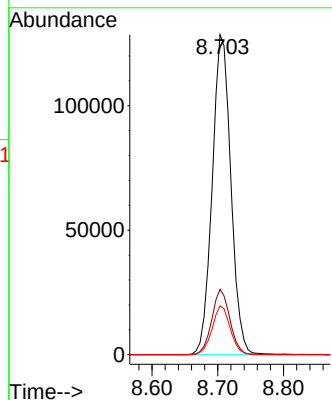
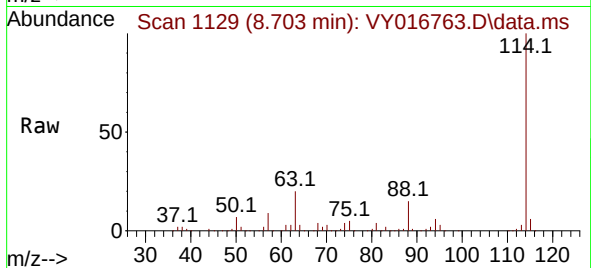
Tgt Ion:114 Resp: 253609

Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.4

88 15.3 0.0 29.0



#35

Dibromofluoromethane

Concen: 41.780 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY016763.D

Acq: 21 Dec 2023 17:47

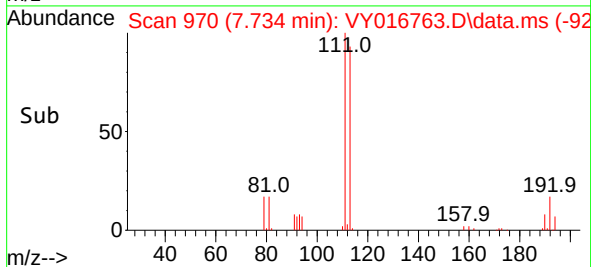
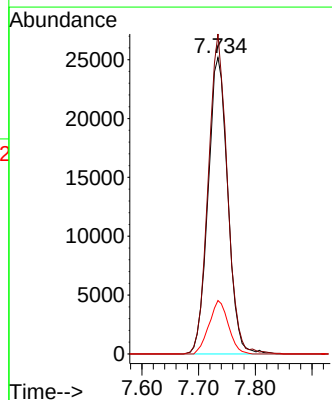
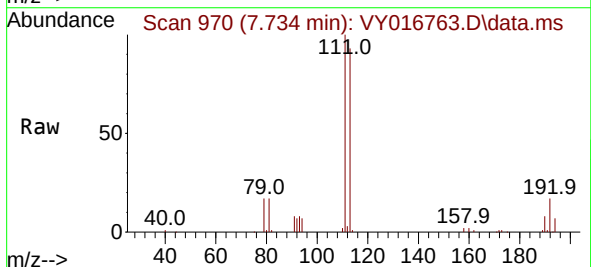
Tgt Ion:113 Resp: 60696

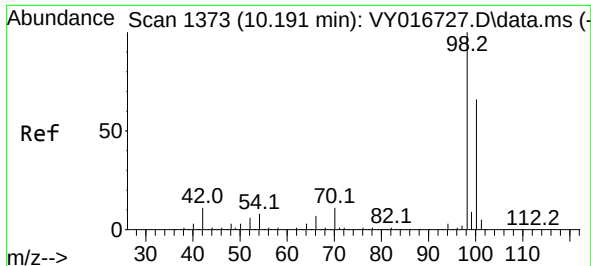
Ion Ratio Lower Upper

113 100

111 104.5 83.8 125.6

192 17.7 14.5 21.7

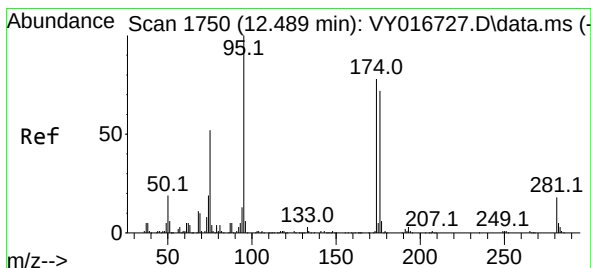
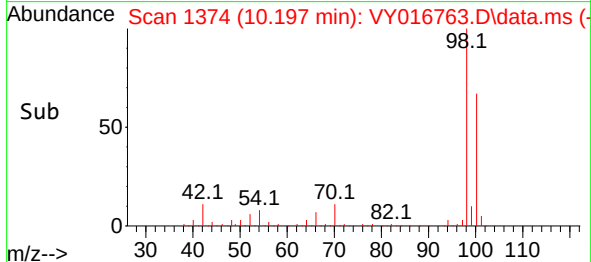
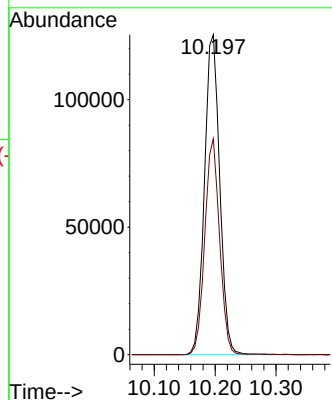
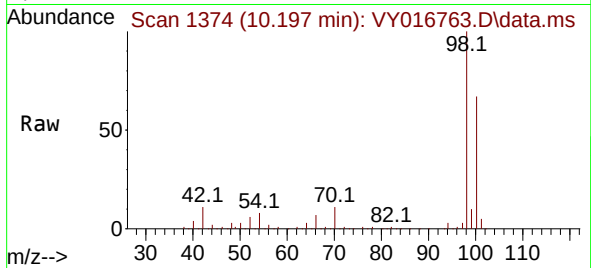




#50  
Toluene-d8  
Concen: 41.673 ug/l  
RT: 10.197 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY016763.D  
Acq: 21 Dec 2023 17:47

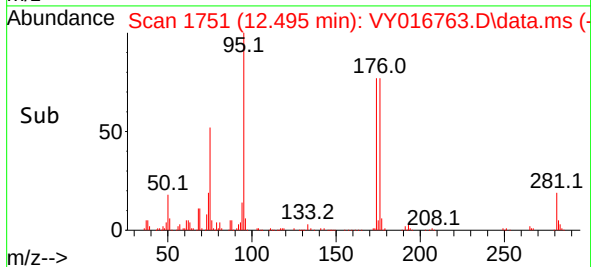
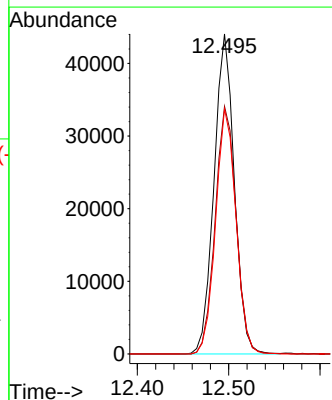
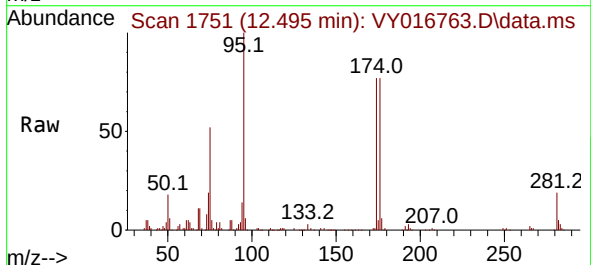
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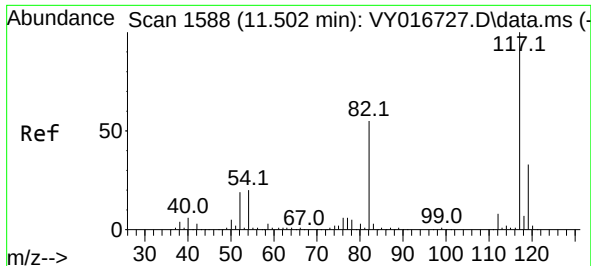
Tgt Ion: 98 Resp: 218238  
Ion Ratio Lower Upper  
98 100  
100 65.6 52.3 78.5



#62  
4-Bromofluorobenzene  
Concen: 40.026 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. 0.006 min  
Lab File: VY016763.D  
Acq: 21 Dec 2023 17:47

Tgt Ion: 95 Resp: 68006  
Ion Ratio Lower Upper  
95 100  
174 79.9 0.0 160.0  
176 76.7 0.0 151.8

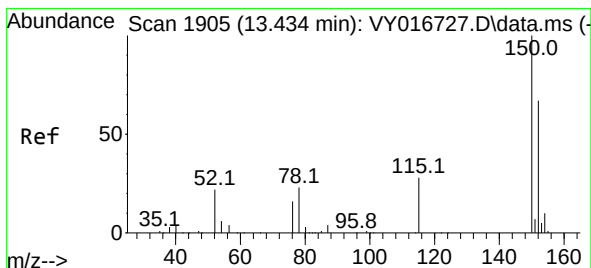
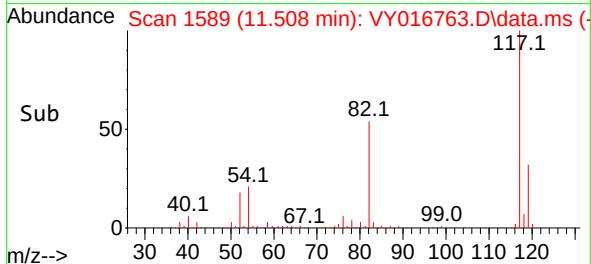
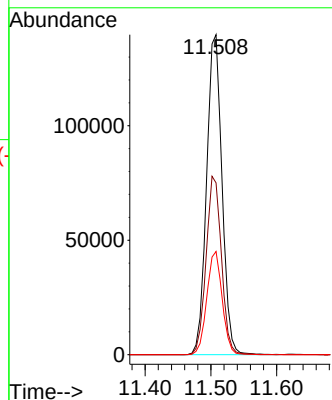
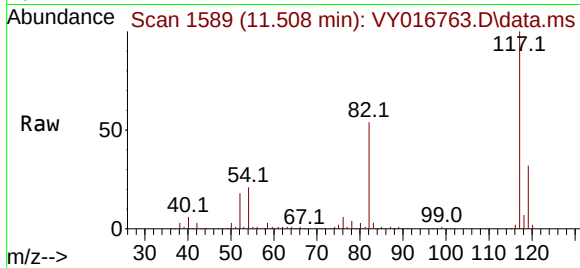




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.508 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY016763.D  
Acq: 21 Dec 2023 17:47

Instrument :  
MSVOA\_Y  
ClientSampleId :  
COLZ8

Tgt Ion:117 Resp: 228075  
Ion Ratio Lower Upper  
117 100  
82 53.7 43.8 65.8  
119 32.3 26.5 39.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.440 min Scan# 1906  
Delta R.T. 0.006 min  
Lab File: VY016763.D  
Acq: 21 Dec 2023 17:47

Tgt Ion:152 Resp: 78716  
Ion Ratio Lower Upper  
152 100  
115 59.8 30.0 90.0  
150 154.4 0.0 344.6

