

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030223\  
 Data File : VY012763.D  
 Acq On : 02 Mar 2023 17:00  
 Operator : KP/MD  
 Sample : VY0302SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0302SBL01

Quant Time: Mar 03 01:56:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 03 01:13:13 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 108251   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 179818   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 158145   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 74276    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 58876    | 54.779   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 109.560% |
| 35) Dibromofluoromethane    | 7.715  | 113   | 56005    | 51.608   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 103.220% |
| 50) Toluene-d8              | 10.178 | 98    | 189808   | 47.843   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 95.680%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 62891    | 46.967   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 93.940%  |

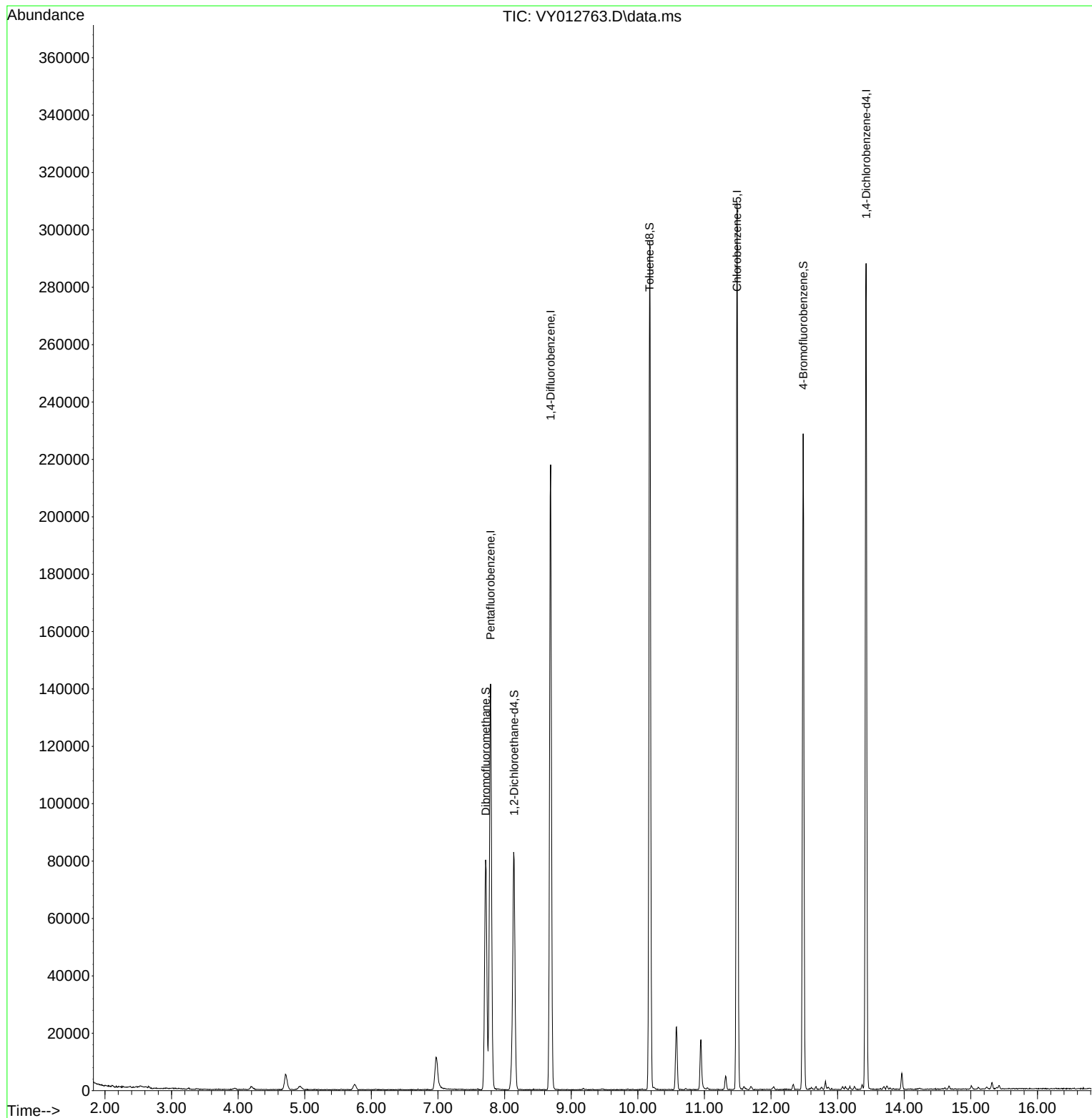
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

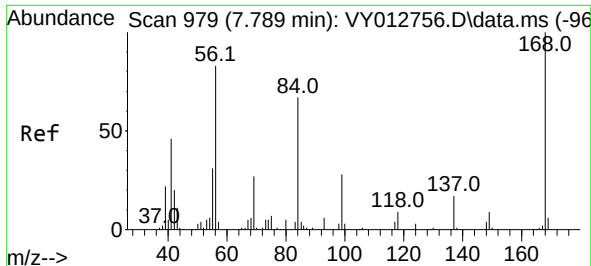
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030223\  
Data File : VY012763.D  
Acq On : 02 Mar 2023 17:00  
Operator : KP/MD  
Sample : VY0302SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0302SBL01

Quant Time: Mar 03 01:56:06 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 03 01:13:13 2023  
Response via : Initial Calibration

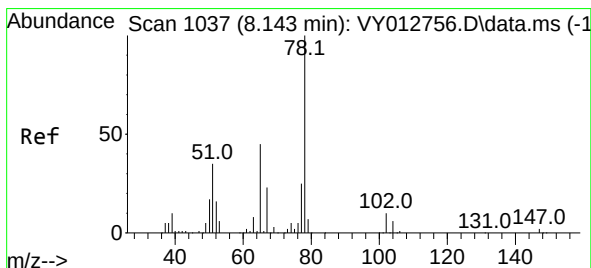
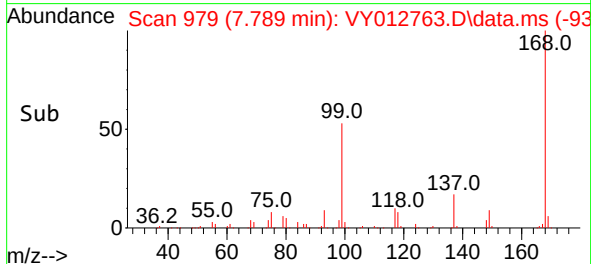
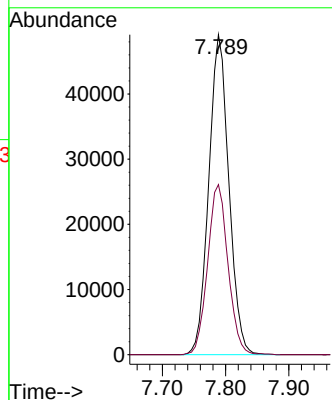
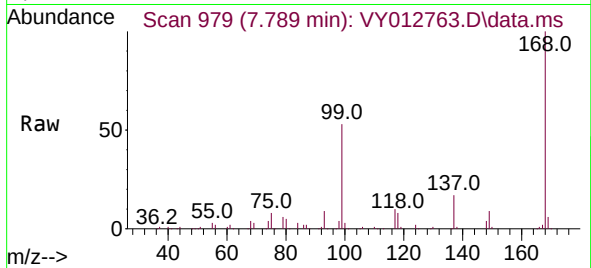




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012763.D  
Acq: 02 Mar 2023 17:00

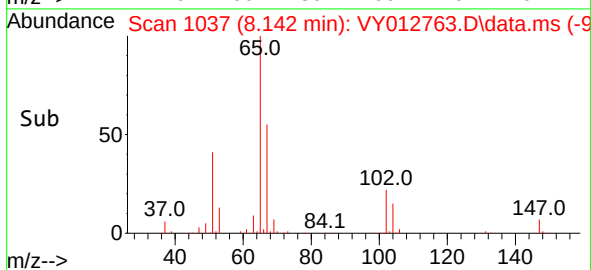
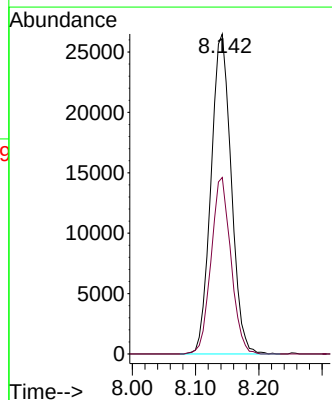
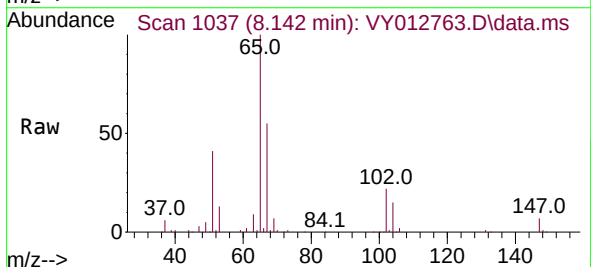
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0302SBL01

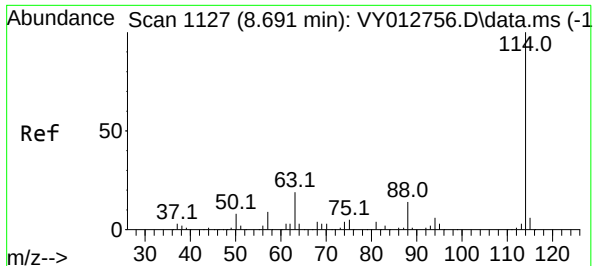
Tgt Ion:168 Resp: 108251  
Ion Ratio Lower Upper  
168 100  
99 53.2 41.7 62.5



#33  
1,2-Dichloroethane-d4  
Concen: 54.779 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY012763.D  
Acq: 02 Mar 2023 17:00

Tgt Ion: 65 Resp: 58876  
Ion Ratio Lower Upper  
65 100  
67 54.0 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012763.D

Acq: 02 Mar 2023 17:00

Instrument :

MSVOA\_Y

ClientSampleId :

VY0302SBL01

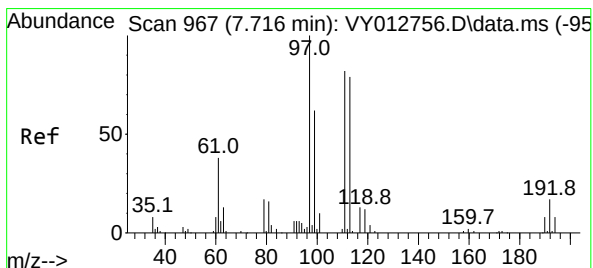
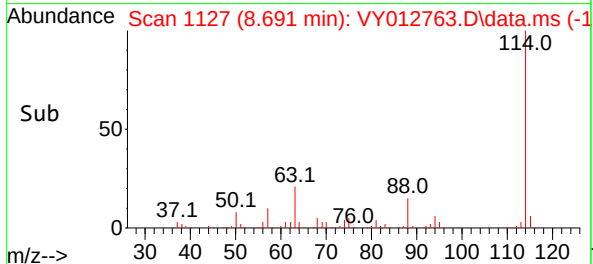
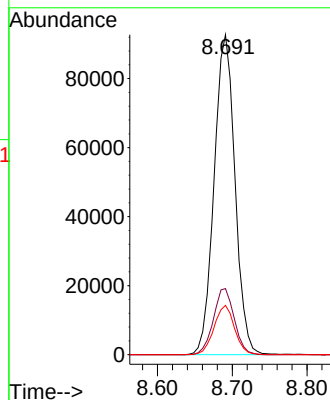
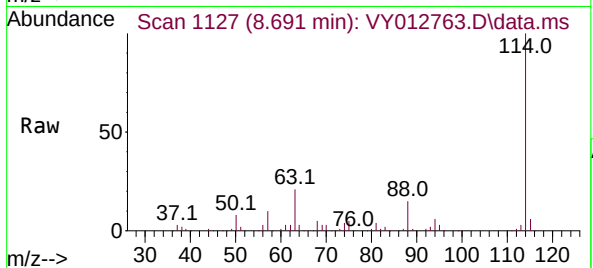
Tgt Ion:114 Resp: 179818

Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.4

88 15.4 0.0 28.6



#35

Dibromofluoromethane

Concen: 51.608 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012763.D

Acq: 02 Mar 2023 17:00

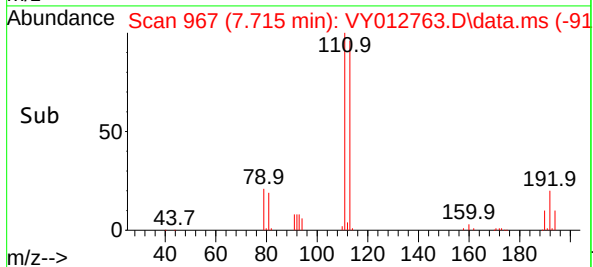
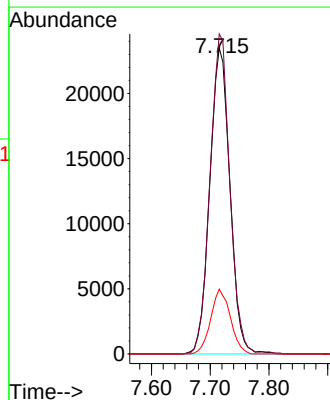
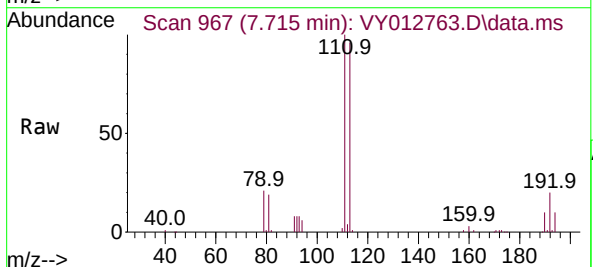
Tgt Ion:113 Resp: 56005

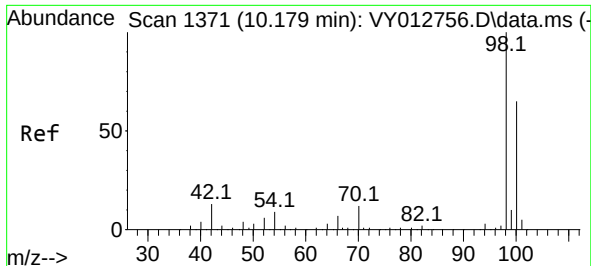
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.2

192 20.6 16.8 25.2

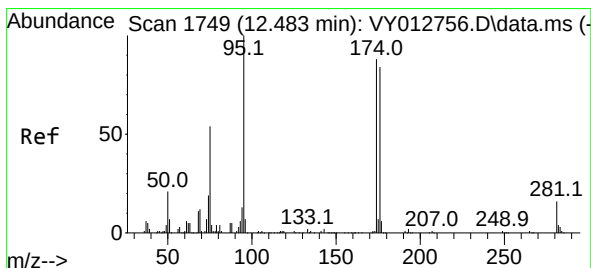
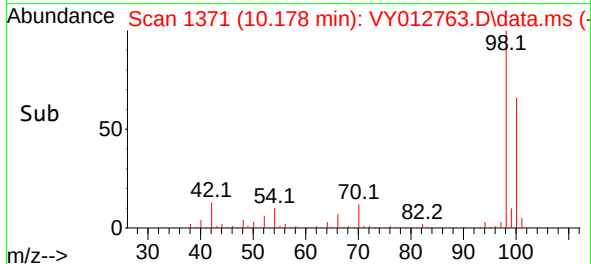
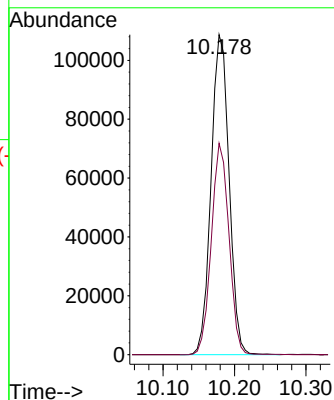
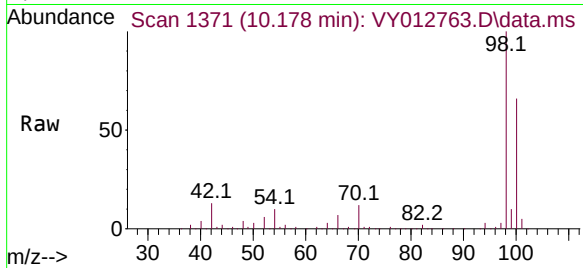




#50  
Toluene-d8  
Concen: 47.843 ug/l  
RT: 10.178 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY012763.D  
Acq: 02 Mar 2023 17:00

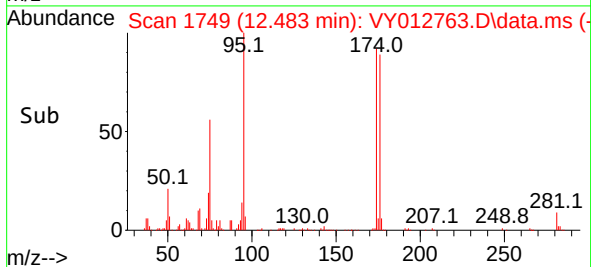
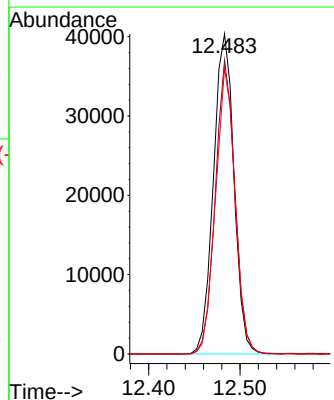
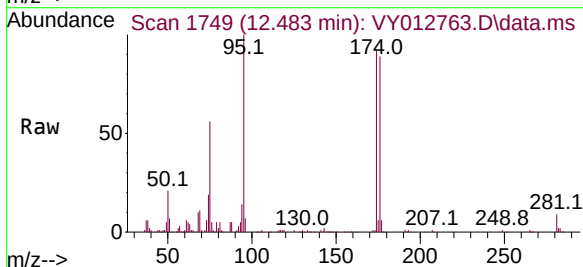
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0302SBL01

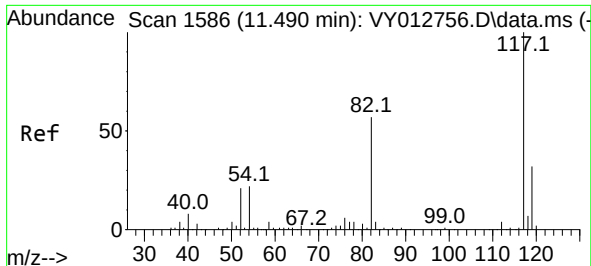
Tgt Ion: 98 Resp: 189808  
Ion Ratio Lower Upper  
98 100  
100 64.8 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 46.967 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY012763.D  
Acq: 02 Mar 2023 17:00

Tgt Ion: 95 Resp: 62891  
Ion Ratio Lower Upper  
95 100  
174 87.9 0.0 176.6  
176 85.5 0.0 170.2

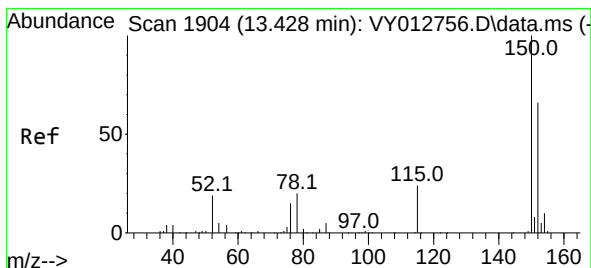
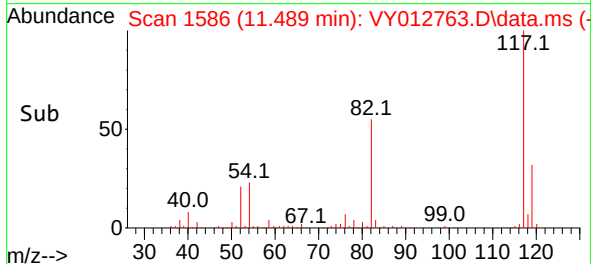
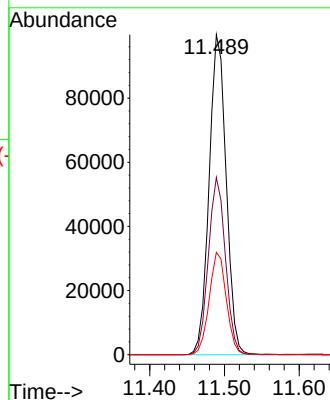
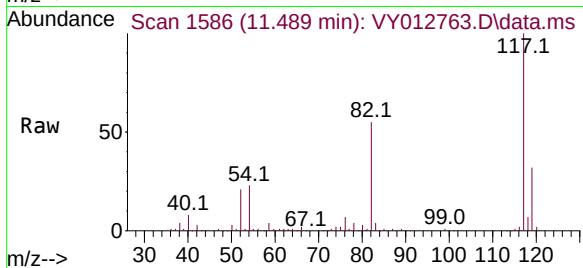




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VY012763.D  
Acq: 02 Mar 2023 17:00

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0302SBL01

Tgt Ion:117 Resp: 158145  
Ion Ratio Lower Upper  
117 100  
82 55.4 45.4 68.0  
119 32.0 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY012763.D  
Acq: 02 Mar 2023 17:00

Tgt Ion:152 Resp: 74276  
Ion Ratio Lower Upper  
152 100  
115 56.3 27.1 81.3  
150 155.5 0.0 347.8

