

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052522\  
 Data File : VY009104.D  
 Acq On : 25 May 2022 20:47  
 Operator : KP/MD  
 Sample : N3000-02  
 Misc : 5.09g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-02-COMP

Quant Time: May 26 04:33:02 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052022S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 20 23:50:52 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 103074   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 185962   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 175899   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 73360    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 64100    | 60.425   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 120.840% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 59514    | 51.465   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 102.940% |
| 50) Toluene-d8              | 10.179 | 98    | 232622   | 54.528   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 109.060% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 64699    | 37.596   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 75.200%  |

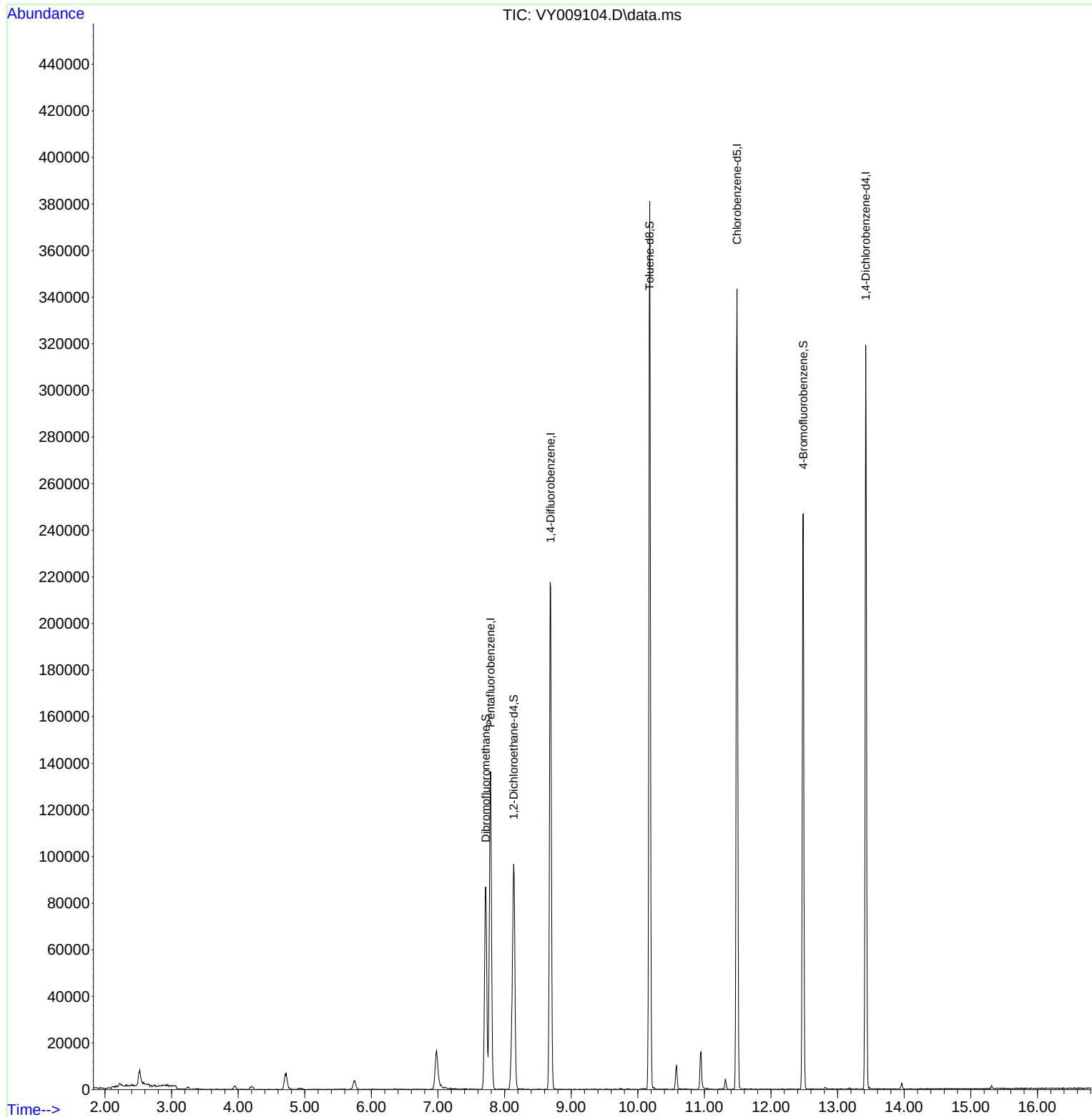
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

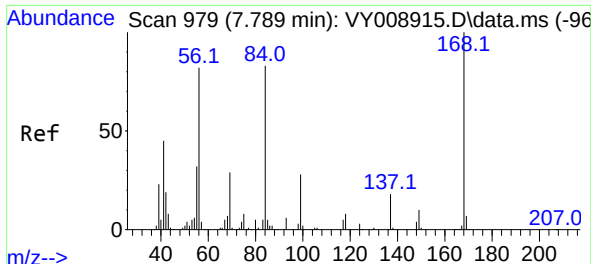
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052522\  
Data File : VY009104.D  
Acq On : 25 May 2022 20:47  
Operator : KP/MD  
Sample : N3000-02  
Misc : 5.09g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-02-COMP

Quant Time: May 26 04:33:02 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052022S.M  
Quant Title : SW846 8260  
QLast Update : Fri May 20 23:50:52 2022  
Response via : Initial Calibration

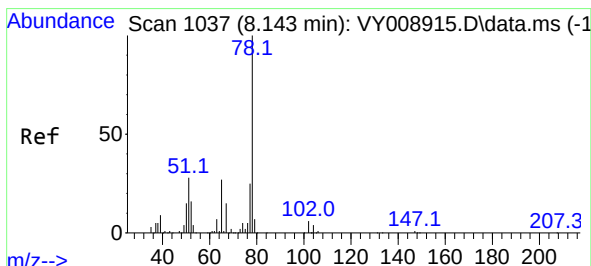
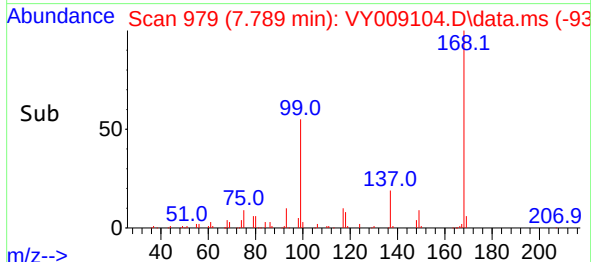
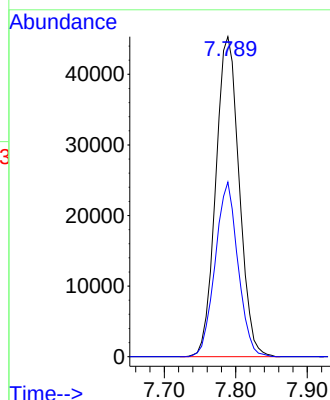
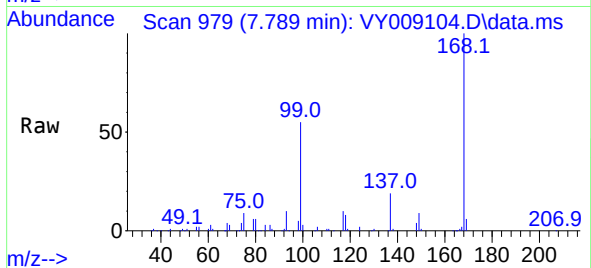




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009104.D  
Acq: 25 May 2022 20:47

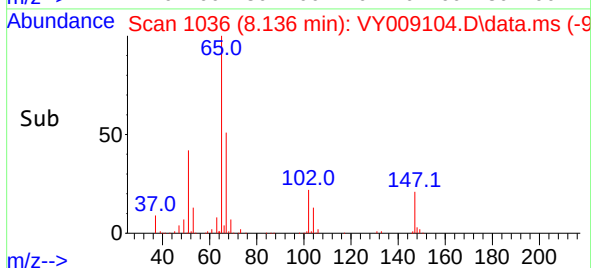
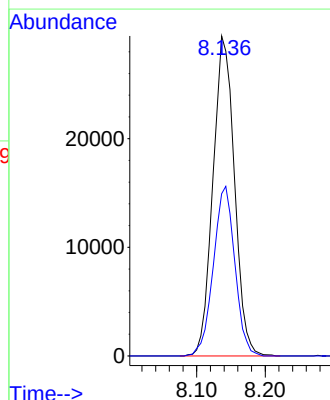
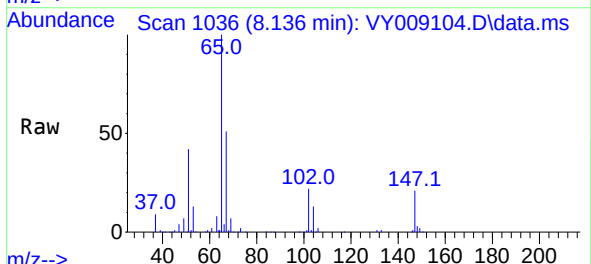
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-02-COMP

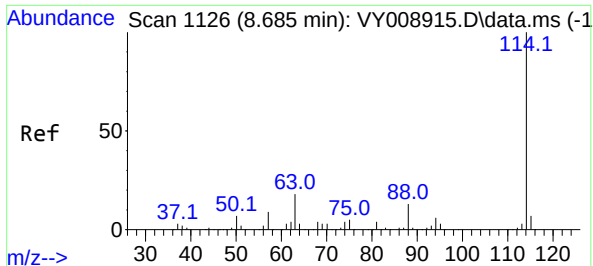
Tgt Ion:168 Resp: 103074  
Ion Ratio Lower Upper  
168 100  
99 54.5 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 60.425 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.007 min  
Lab File: VY009104.D  
Acq: 25 May 2022 20:47

Tgt Ion: 65 Resp: 64100  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY009104.D

Acq: 25 May 2022 20:47

Instrument :

MSVOA\_Y

ClientSampleId :

TP-02-COMP

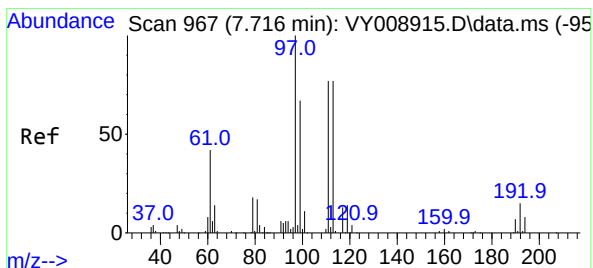
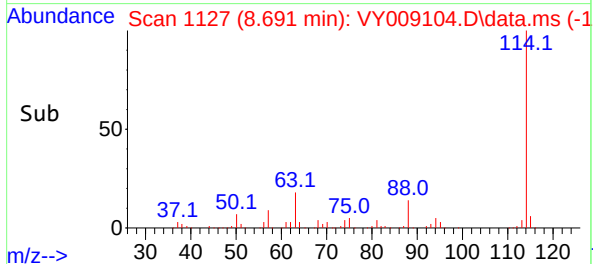
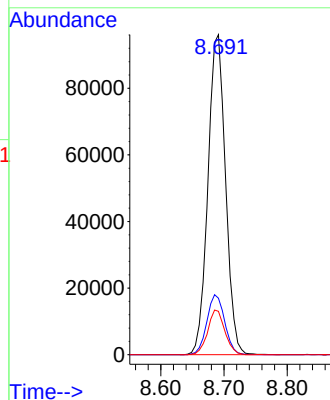
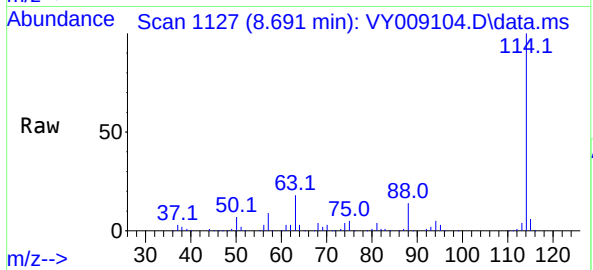
Tgt Ion:114 Resp: 185962

Ion Ratio Lower Upper

114 100

63 17.6 0.0 43.2

88 13.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 51.465 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY009104.D

Acq: 25 May 2022 20:47

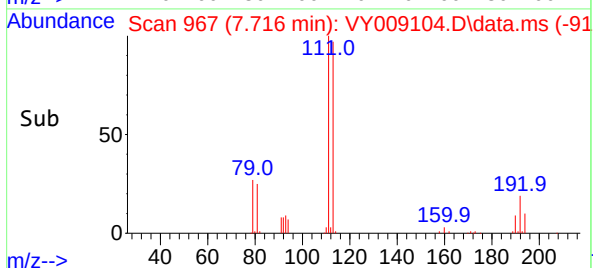
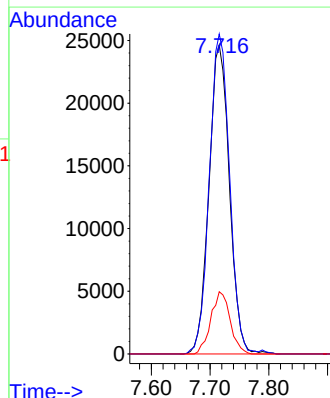
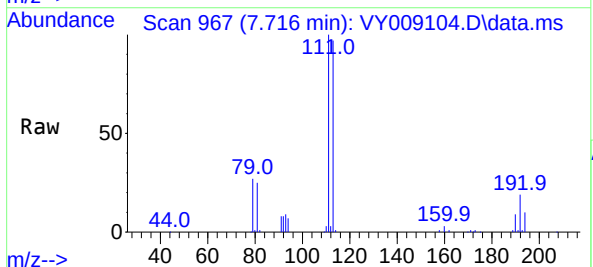
Tgt Ion:113 Resp: 59514

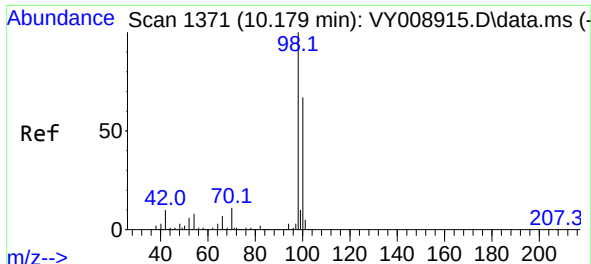
Ion Ratio Lower Upper

113 100

111 102.4 82.6 124.0

192 18.9 17.6 26.4

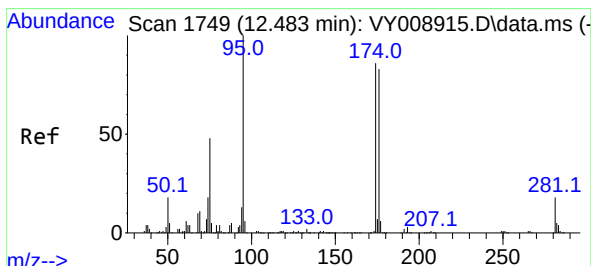
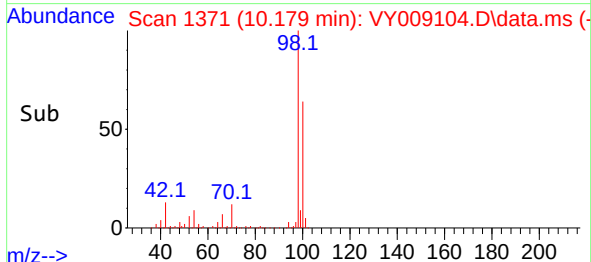
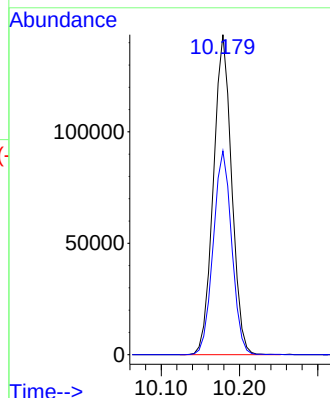
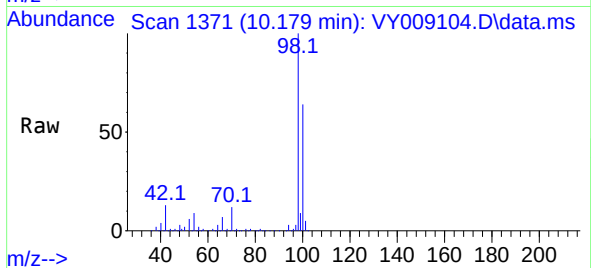




#50  
Toluene-d8  
Concen: 54.528 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY009104.D  
Acq: 25 May 2022 20:47

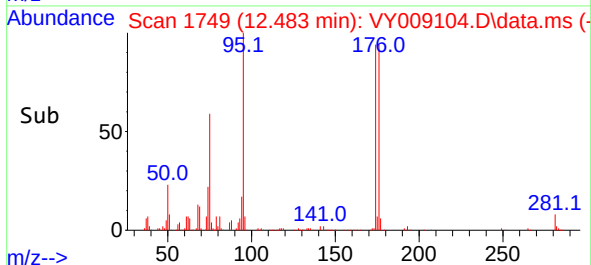
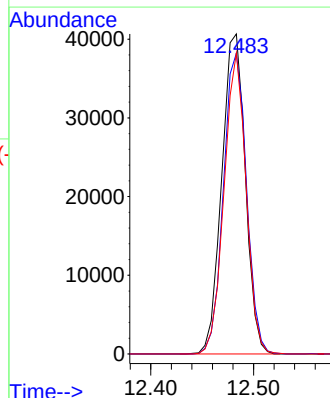
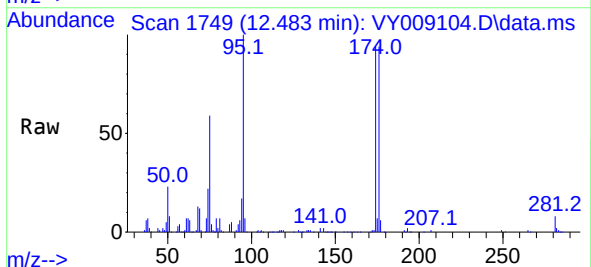
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-02-COMP

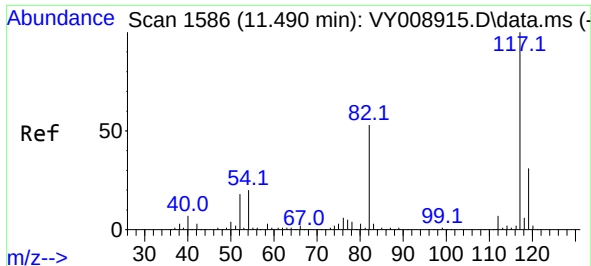
Tgt Ion: 98 Resp: 232622  
Ion Ratio Lower Upper  
98 100  
100 64.4 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 37.596 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY009104.D  
Acq: 25 May 2022 20:47

Tgt Ion: 95 Resp: 64699  
Ion Ratio Lower Upper  
95 100  
174 92.2 0.0 177.0  
176 87.8 0.0 175.8

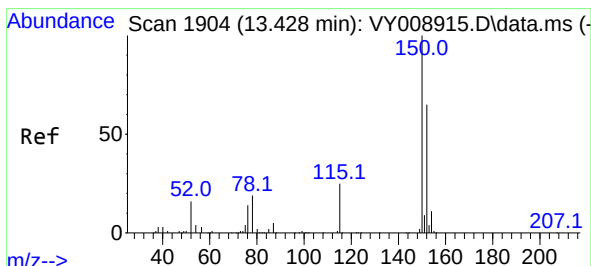
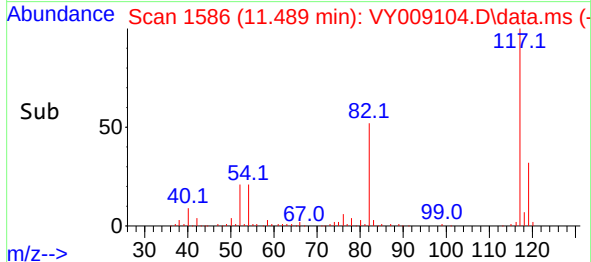
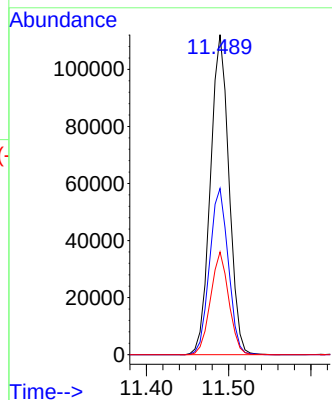
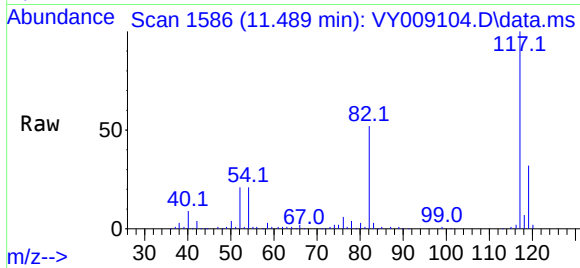




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY009104.D  
Acq: 25 May 2022 20:47

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-02-COMP

Tgt Ion:117 Resp: 175899  
Ion Ratio Lower Upper  
117 100  
82 52.0 43.0 64.4  
119 32.1 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.006 min  
Lab File: VY009104.D  
Acq: 25 May 2022 20:47

Tgt Ion:152 Resp: 73360  
Ion Ratio Lower Upper  
152 100  
115 56.7 28.2 84.7  
150 155.6 0.0 347.6

