

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041422\  
 Data File : VY008334.D  
 Acq On : 14 Apr 2022 17:48  
 Operator : KP/MD  
 Sample : N2401-04  
 Misc : 4.31g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CL-4-11.5

Quant Time: Apr 15 06:16:28 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 08 16:02:50 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 105442   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 189505   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 181421   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 81334    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 60896    | 61.484   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 122.960% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 59877    | 54.705   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 109.400% |
| 50) Toluene-d8              | 10.179 | 98    | 223554   | 59.689   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 119.380% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 81031    | 57.521   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 115.040% |

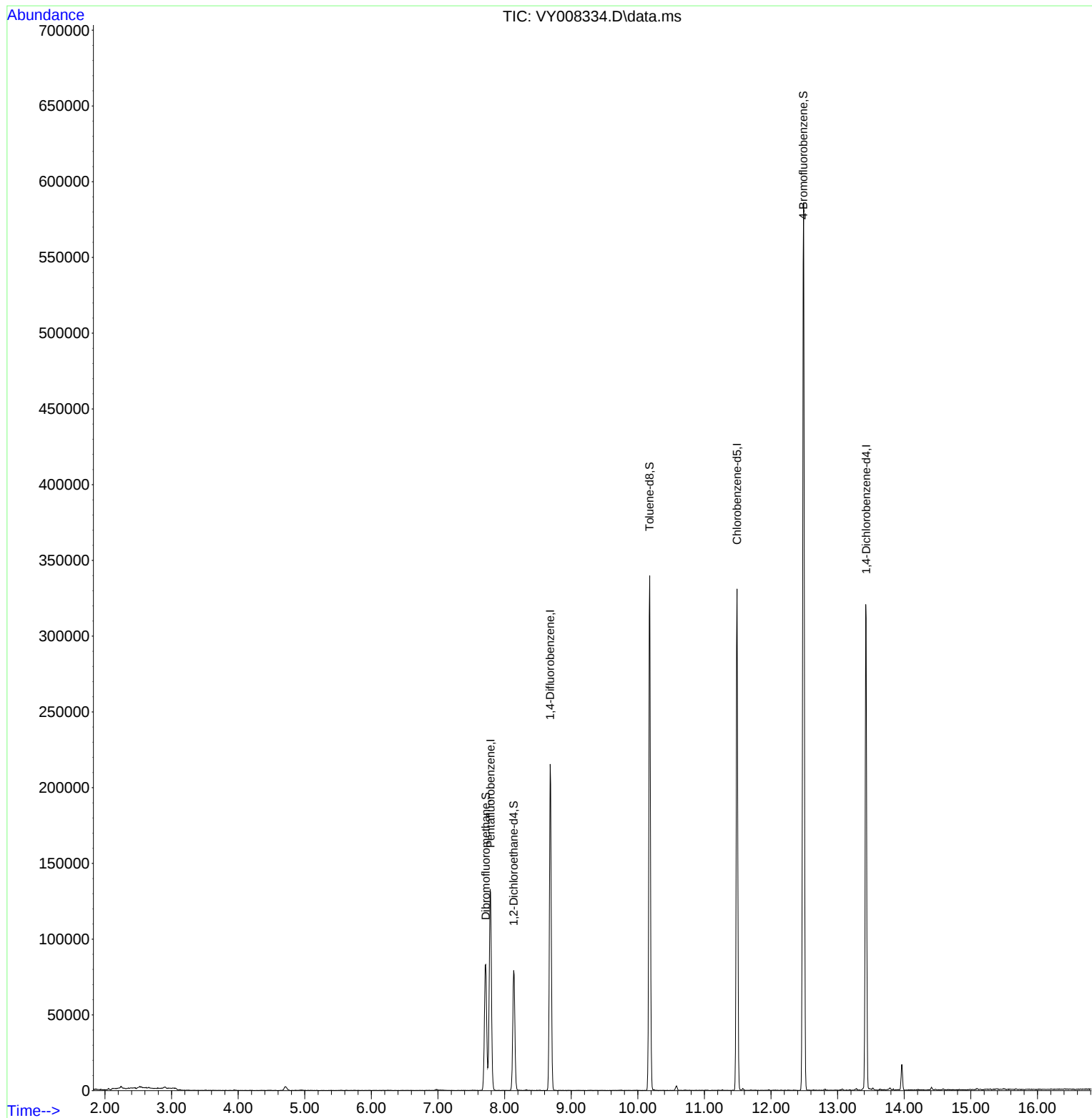
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

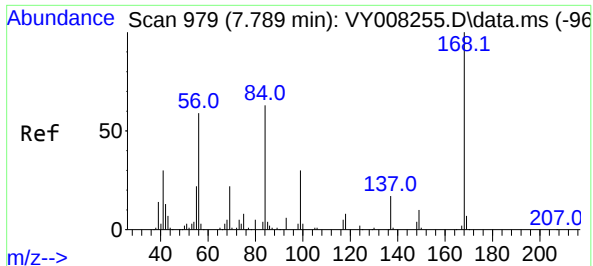
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041422\  
Data File : VY008334.D  
Acq On : 14 Apr 2022 17:48  
Operator : KP/MD  
Sample : N2401-04  
Misc : 4.31g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
CL-4-11.5

Quant Time: Apr 15 06:16:28 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
Quant Title : SW846 8260  
QLast Update : Fri Apr 08 16:02:50 2022  
Response via : Initial Calibration

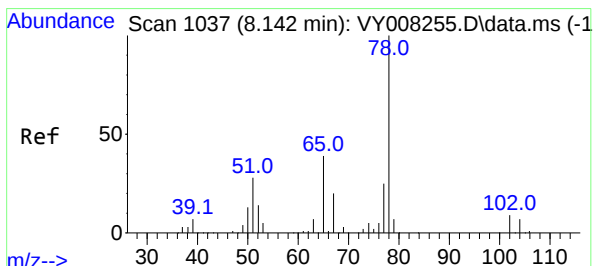
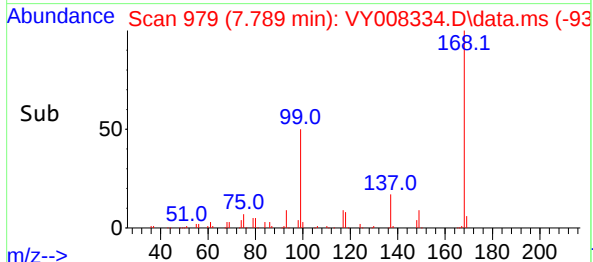
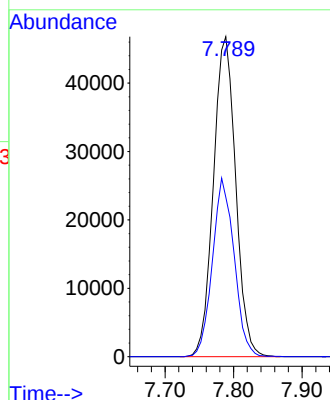
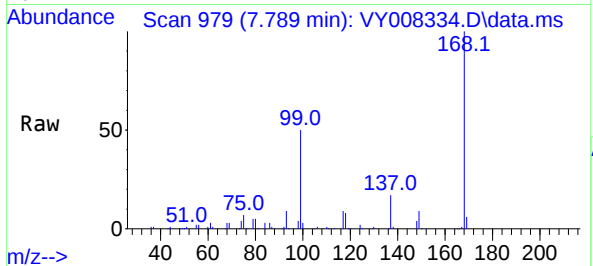




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008334.D  
Acq: 14 Apr 2022 17:48

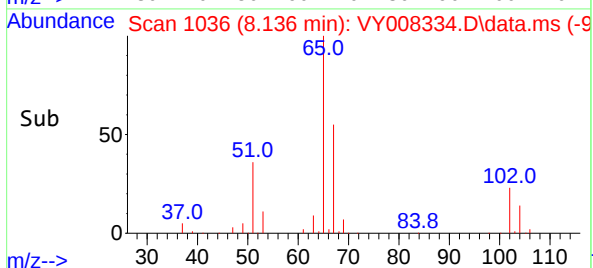
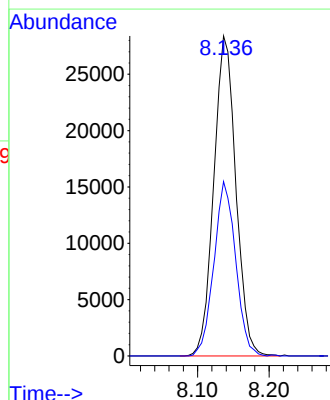
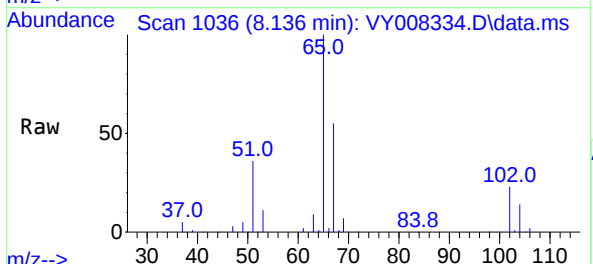
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CL-4-11.5

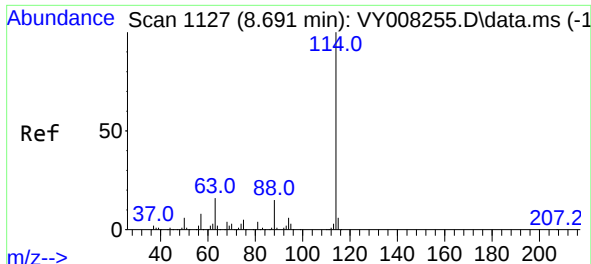
Tgt Ion:168 Resp: 105442  
Ion Ratio Lower Upper  
168 100  
99 49.9 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 61.484 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VY008334.D  
Acq: 14 Apr 2022 17:48

Tgt Ion: 65 Resp: 60896  
Ion Ratio Lower Upper  
65 100  
67 53.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY008334.D

Acq: 14 Apr 2022 17:48

Instrument :

MSVOA\_Y

ClientSampleId :

CL-4-11.5

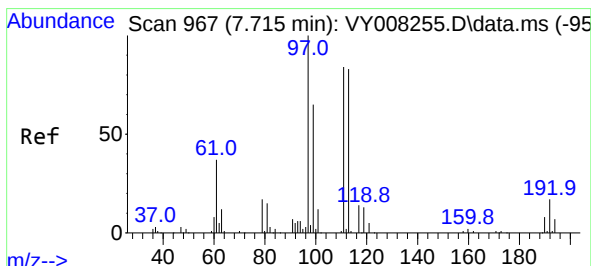
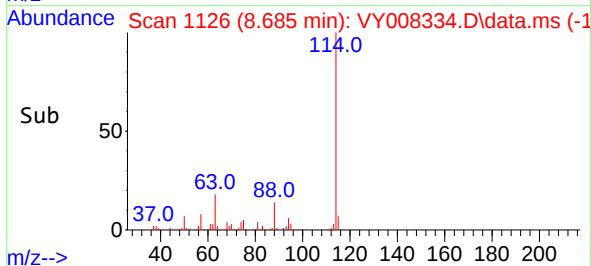
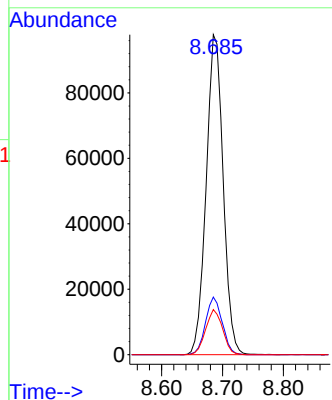
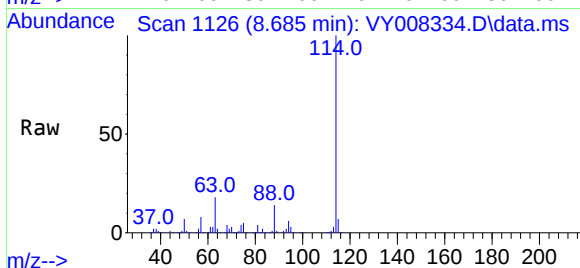
Tgt Ion:114 Resp: 189505

Ion Ratio Lower Upper

114 100

63 18.0 0.0 43.2

88 14.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 54.705 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.001 min

Lab File: VY008334.D

Acq: 14 Apr 2022 17:48

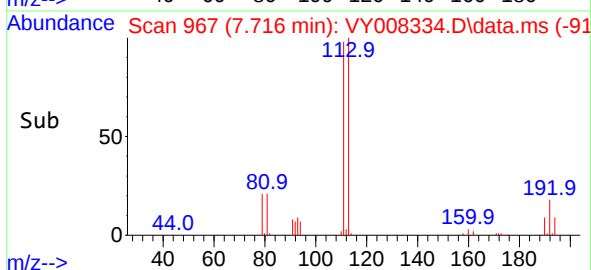
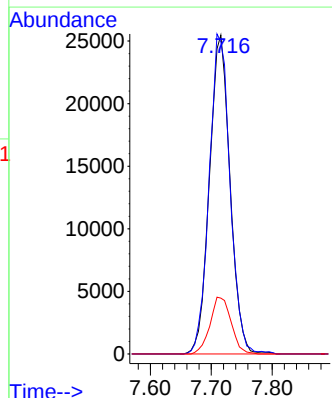
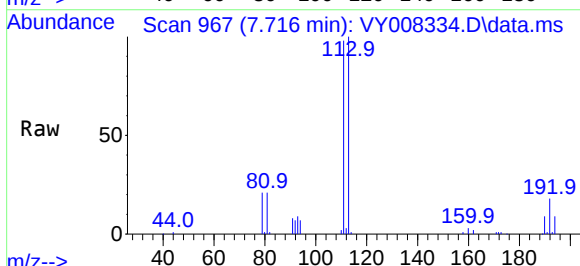
Tgt Ion:113 Resp: 59877

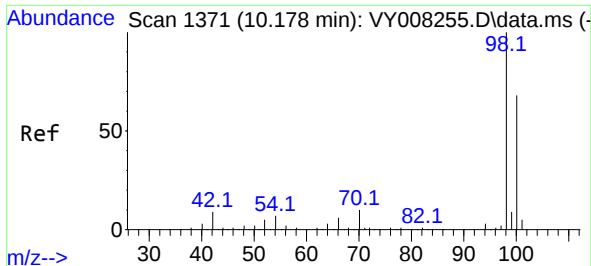
Ion Ratio Lower Upper

113 100

111 101.5 82.6 124.0

192 18.2 17.6 26.4

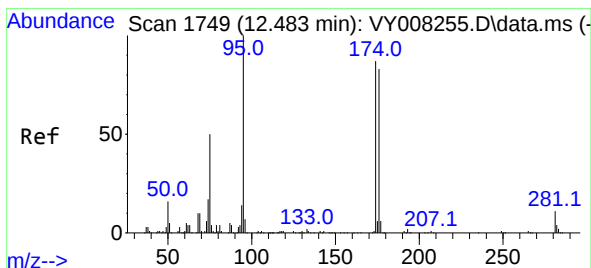
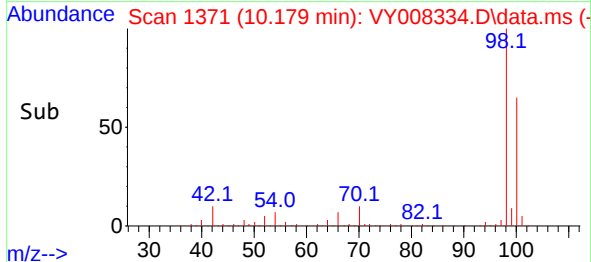
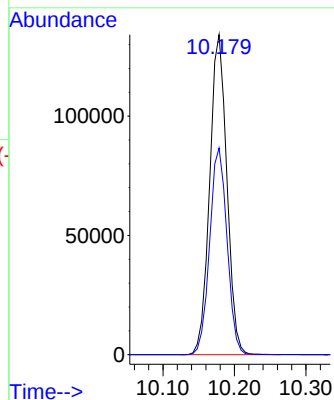
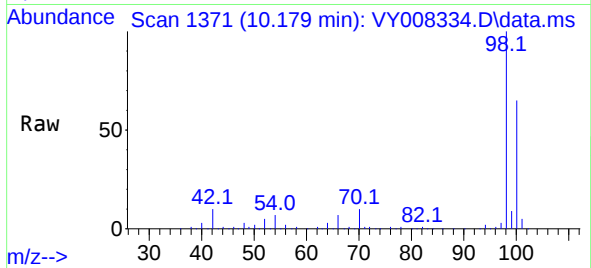




#50  
Toluene-d8  
Concen: 59.689 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY008334.D  
Acq: 14 Apr 2022 17:48

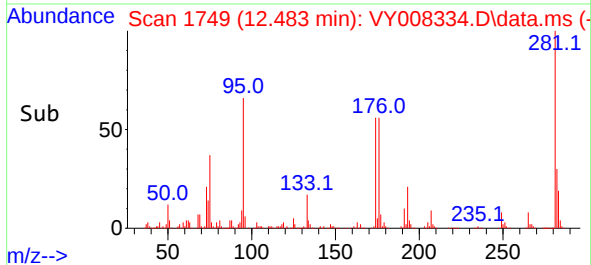
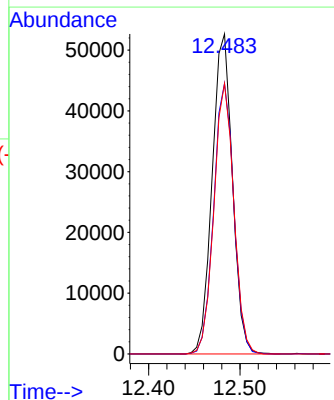
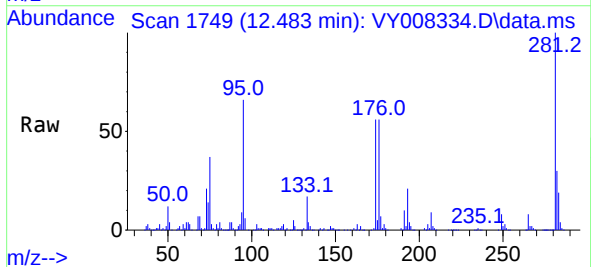
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CL-4-11.5

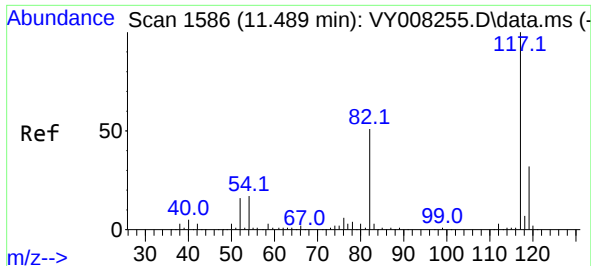
Tgt Ion: 98 Resp: 223554  
Ion Ratio Lower Upper  
98 100  
100 65.3 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 57.521 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY008334.D  
Acq: 14 Apr 2022 17:48

Tgt Ion: 95 Resp: 81031  
Ion Ratio Lower Upper  
95 100  
174 83.5 0.0 177.0  
176 83.2 0.0 175.8

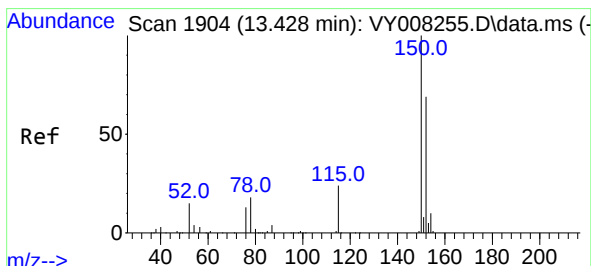
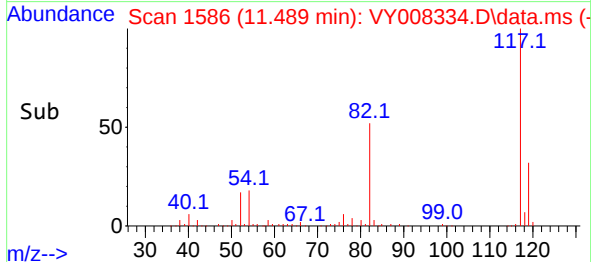
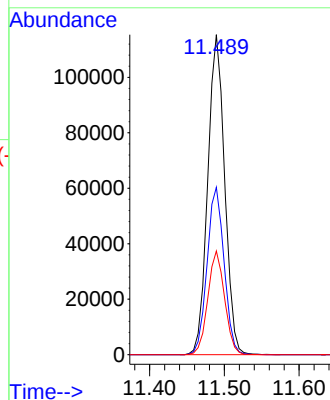
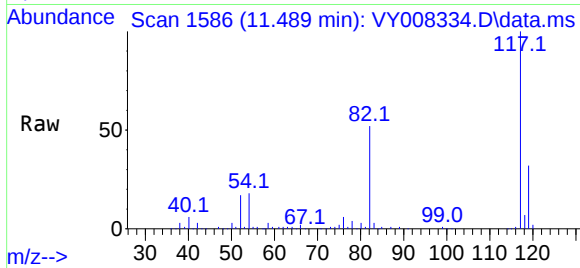




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY008334.D  
Acq: 14 Apr 2022 17:48

Instrument :  
MSVOA\_Y  
ClientSampleId :  
CL-4-11.5

Tgt Ion:117 Resp: 181421  
Ion Ratio Lower Upper  
117 100  
82 52.3 43.0 64.4  
119 32.4 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY008334.D  
Acq: 14 Apr 2022 17:48

Tgt Ion:152 Resp: 81334  
Ion Ratio Lower Upper  
152 100  
115 58.9 28.2 84.7  
150 156.7 0.0 347.6

