

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022222\  
 Data File : VY007584.D  
 Acq On : 22 Feb 2022 15:42  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

Quant Time: Feb 22 17:02:45 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022122S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 21 15:25:36 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 63404    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 104980   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 106418   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 53990    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 38081    | 57.990   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 115.980% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 35474    | 53.291   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 106.580% |
| 50) Toluene-d8              | 10.179 | 98    | 125746   | 54.482   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 108.960% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 54174    | 64.825   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 129.640% |

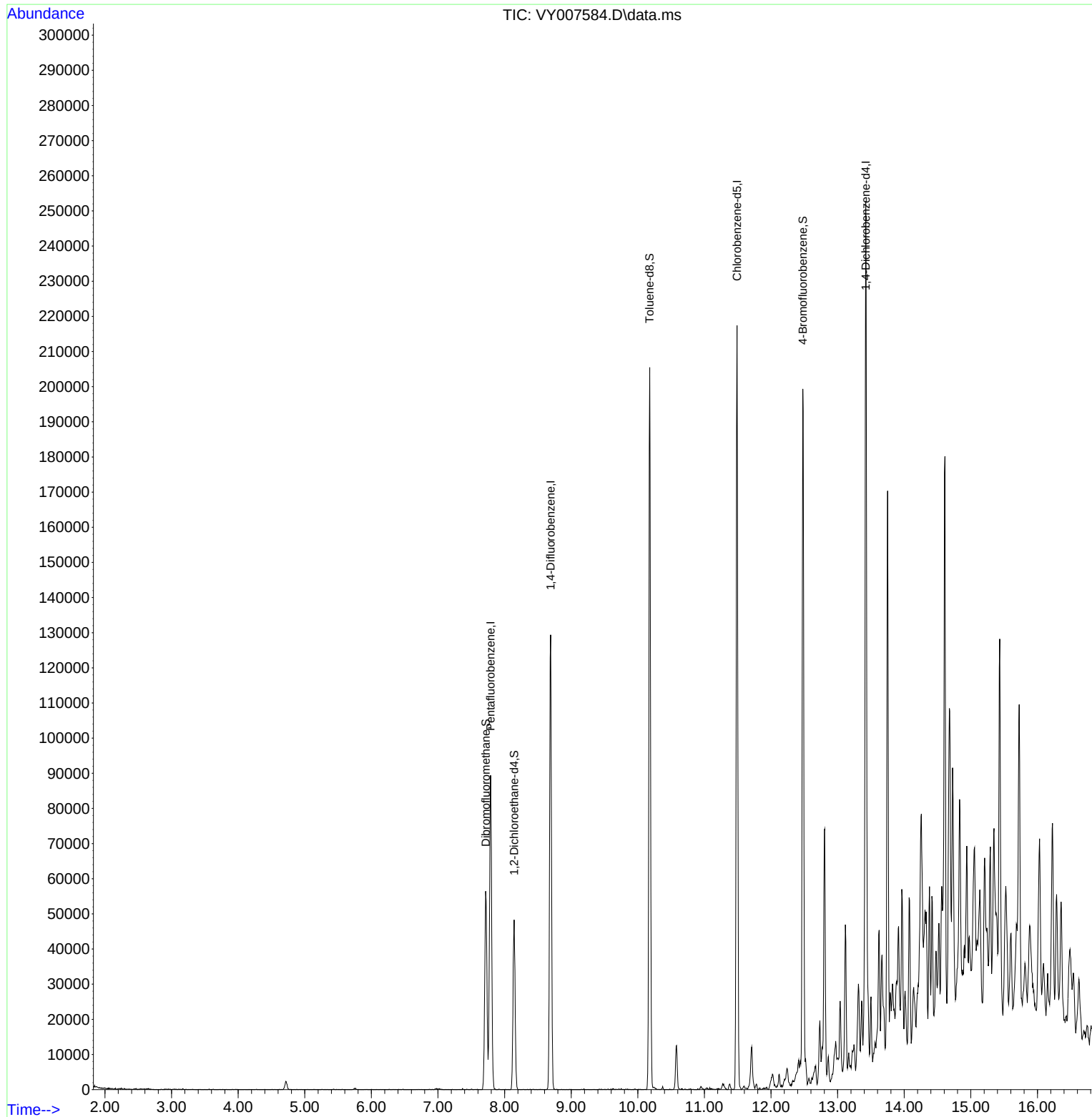
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

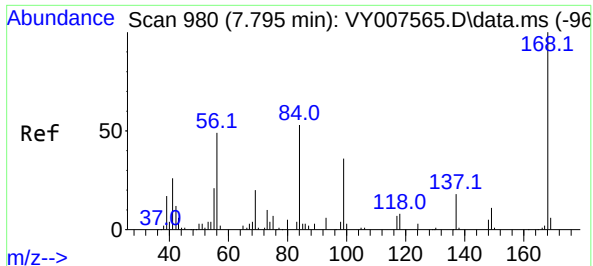
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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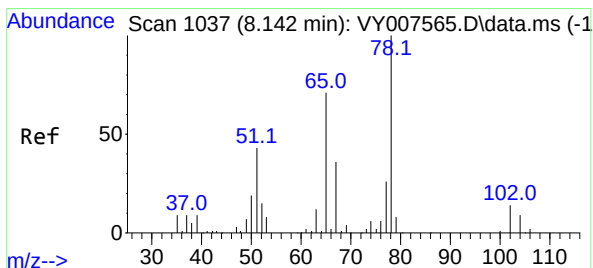
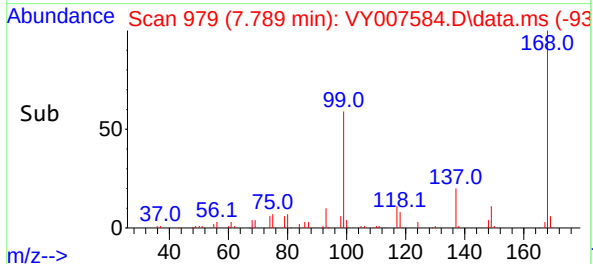
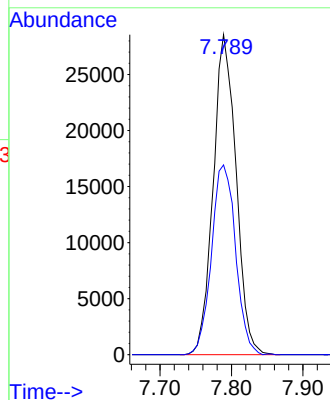
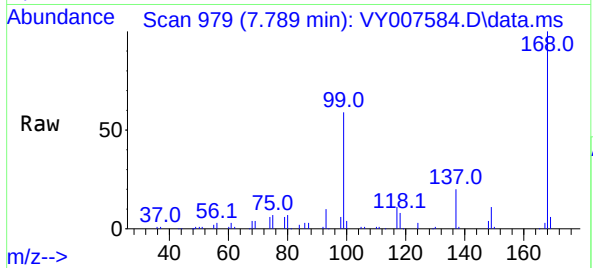




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY007584.D  
Acq: 22 Feb 2022 15:42

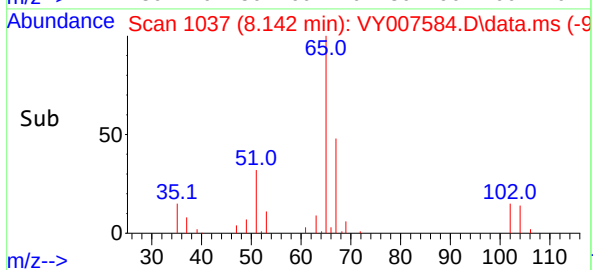
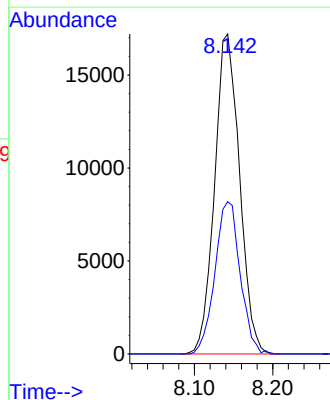
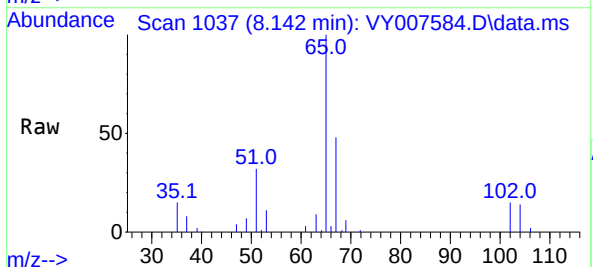
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

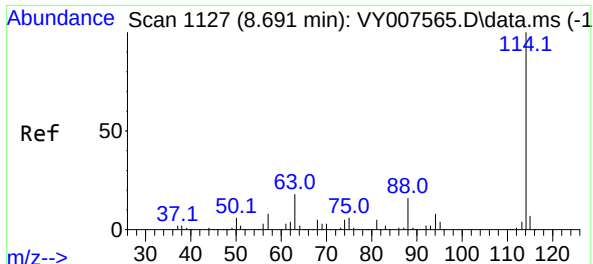
Tgt Ion:168 Resp: 63404  
Ion Ratio Lower Upper  
168 100  
99 59.3 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 57.990 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: VY007584.D  
Acq: 22 Feb 2022 15:42

Tgt Ion: 65 Resp: 38081  
Ion Ratio Lower Upper  
65 100  
67 48.2 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY007584.D

Acq: 22 Feb 2022 15:42

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

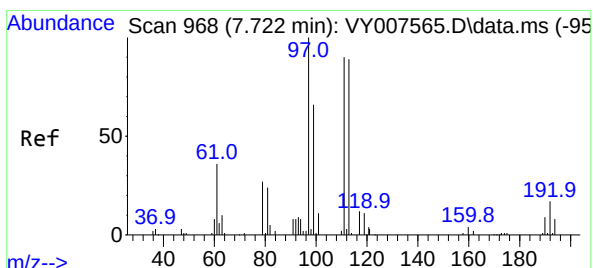
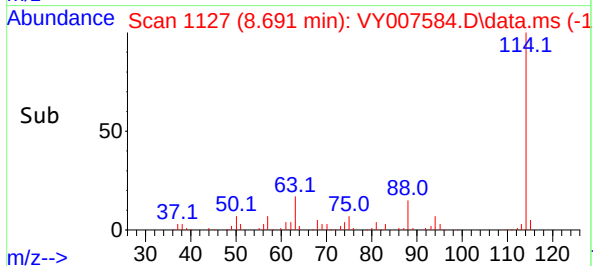
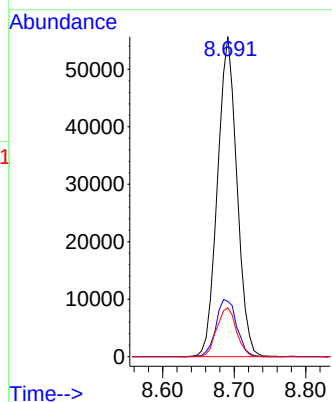
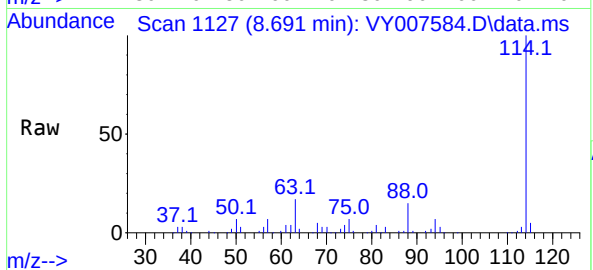
Tgt Ion:114 Resp: 104980

Ion Ratio Lower Upper

114 100

63 17.3 0.0 43.2

88 15.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 53.291 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY007584.D

Acq: 22 Feb 2022 15:42

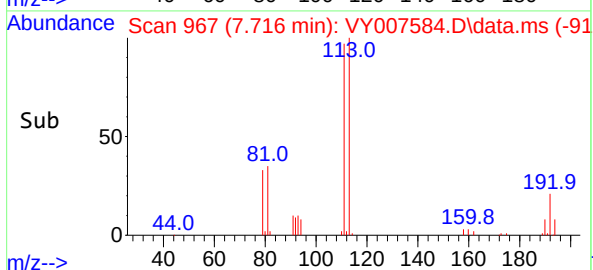
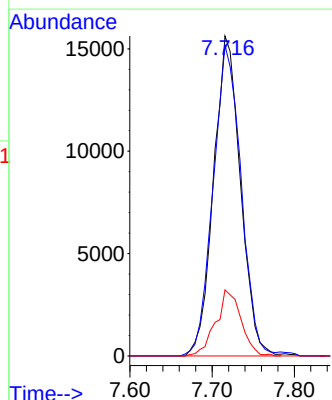
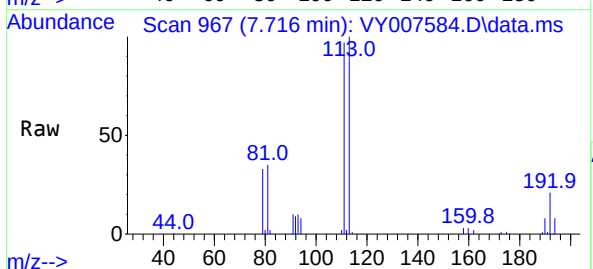
Tgt Ion:113 Resp: 35474

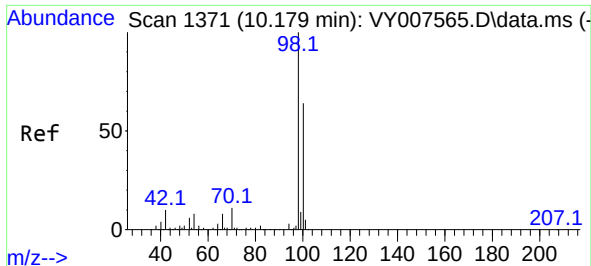
Ion Ratio Lower Upper

113 100

111 101.5 82.6 124.0

192 19.4 17.6 26.4

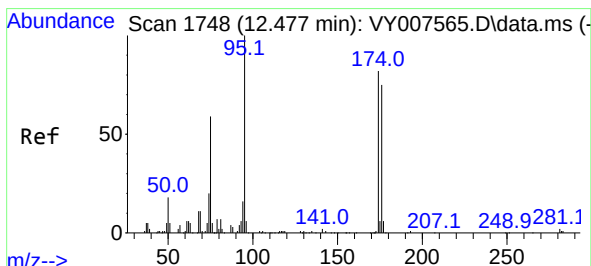
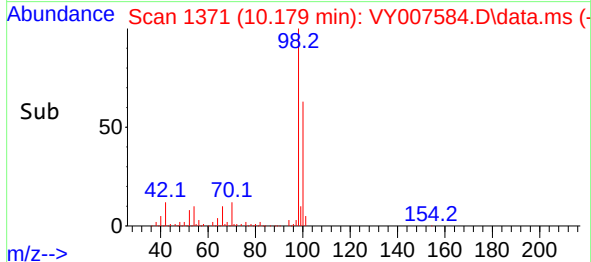
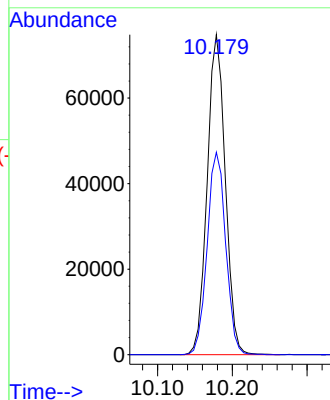
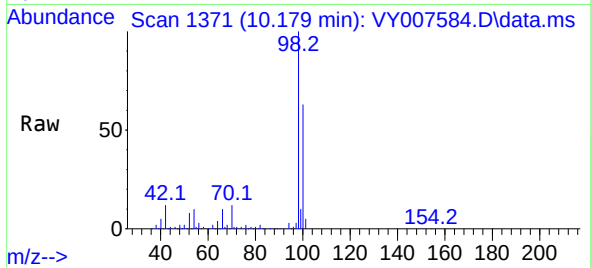




#50  
Toluene-d8  
Concen: 54.482 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY007584.D  
Acq: 22 Feb 2022 15:42

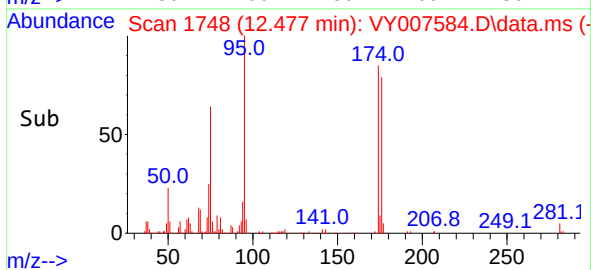
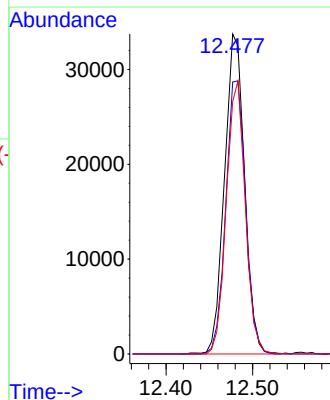
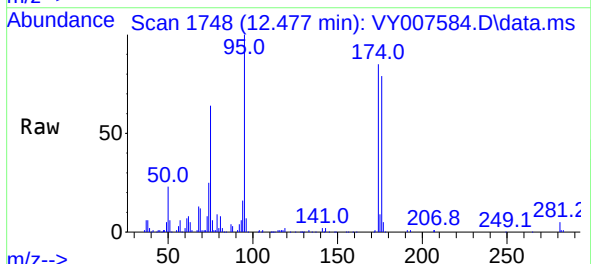
Instrument :  
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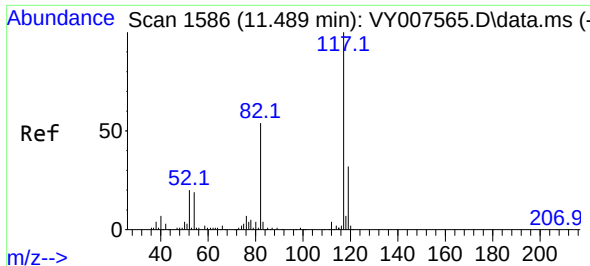
Tgt Ion: 98 Resp: 125746  
Ion Ratio Lower Upper  
98 100  
100 64.8 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 64.825 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.000 min  
Lab File: VY007584.D  
Acq: 22 Feb 2022 15:42

Tgt Ion: 95 Resp: 54174  
Ion Ratio Lower Upper  
95 100  
174 85.3 0.0 177.0  
176 80.5 0.0 175.8

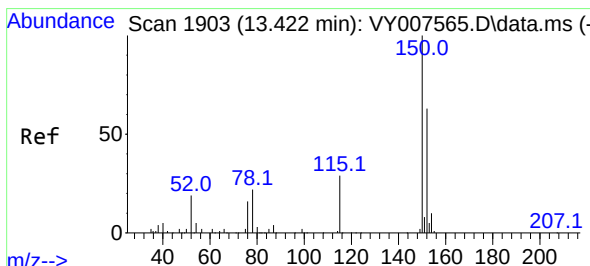
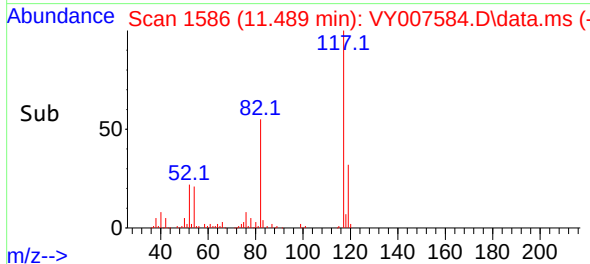
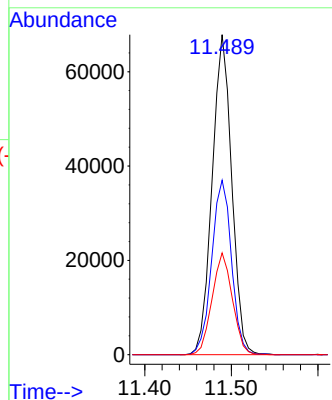
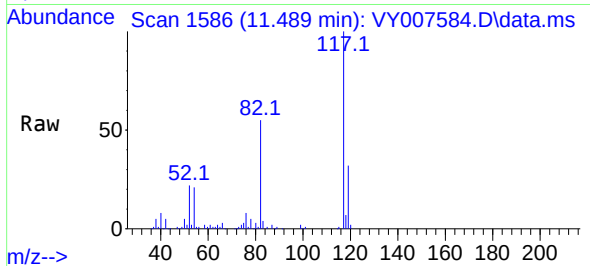




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY007584.D  
Acq: 22 Feb 2022 15:42

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

Tgt Ion:117 Resp: 106418  
Ion Ratio Lower Upper  
117 100  
82 54.5 43.0 64.4  
119 31.8 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.000 min  
Lab File: VY007584.D  
Acq: 22 Feb 2022 15:42

Tgt Ion:152 Resp: 53990  
Ion Ratio Lower Upper  
152 100  
115 61.5 28.2 84.7  
150 156.5 0.0 347.6

