

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021722\  
 Data File : VY007521.D  
 Acq On : 17 Feb 2022 14:40  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

Quant Time: Feb 18 07:39:24 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021422S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 15 09:34:50 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 87316    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 154556   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 152231   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 69618    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 49842    | 51.702   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 103.400% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 50922    | 52.245   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 104.500% |
| 50) Toluene-d8              | 10.179 | 98    | 184573   | 49.859   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 99.720%  |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 67151    | 53.497   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 107.000% |

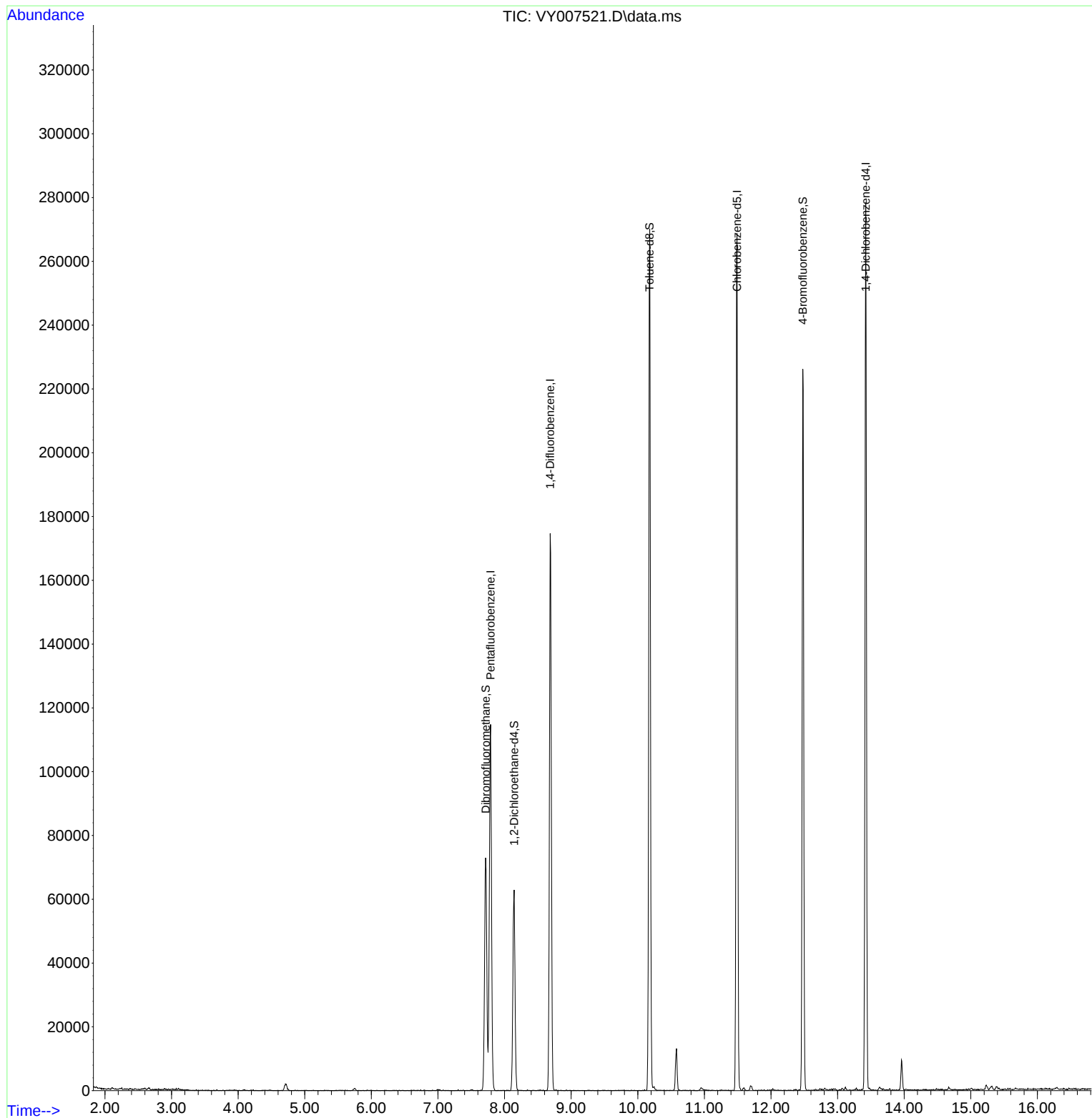
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

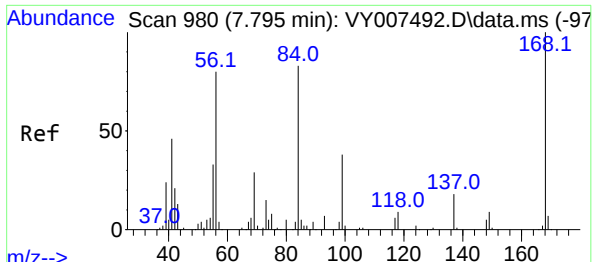
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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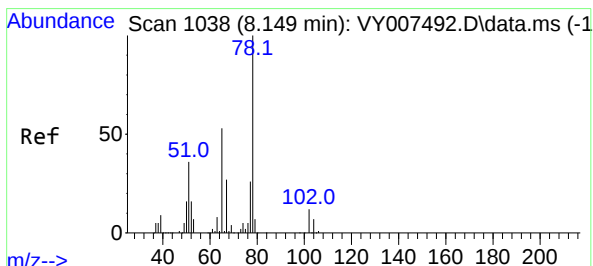
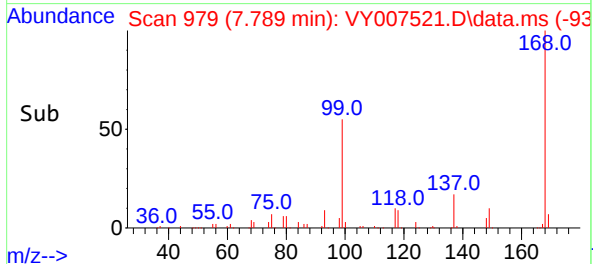
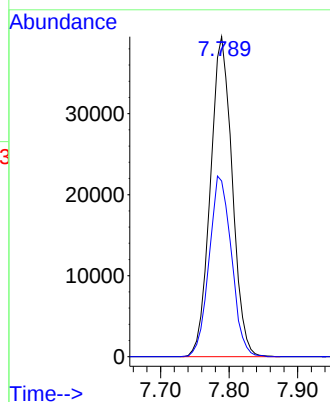
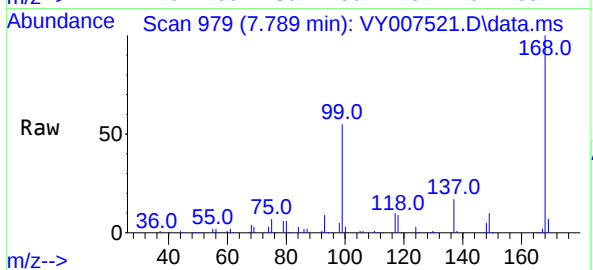




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY007521.D  
Acq: 17 Feb 2022 14:40

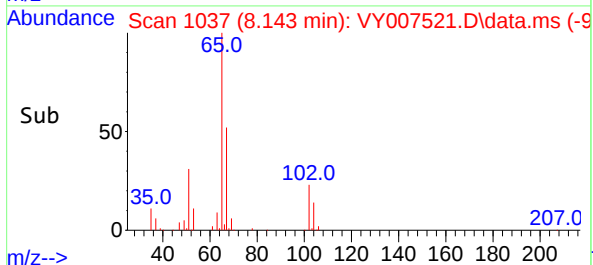
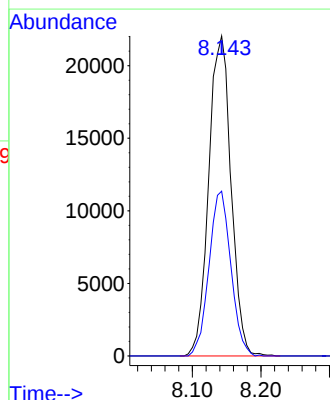
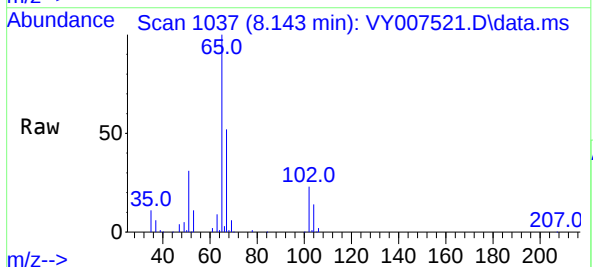
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

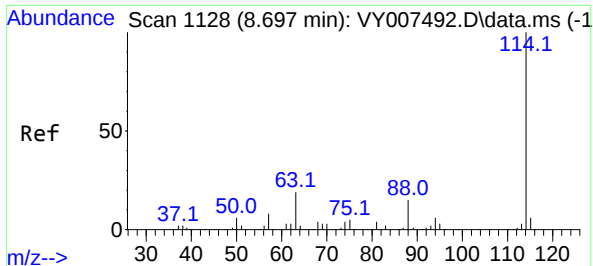
Tgt Ion:168 Resp: 87316  
Ion Ratio Lower Upper  
168 100  
99 54.9 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 51.702 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY007521.D  
Acq: 17 Feb 2022 14:40

Tgt Ion: 65 Resp: 49842  
Ion Ratio Lower Upper  
65 100  
67 50.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY007521.D

Acq: 17 Feb 2022 14:40

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

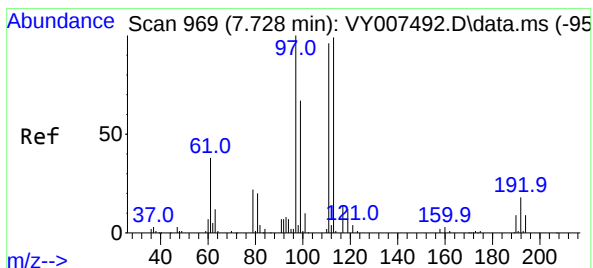
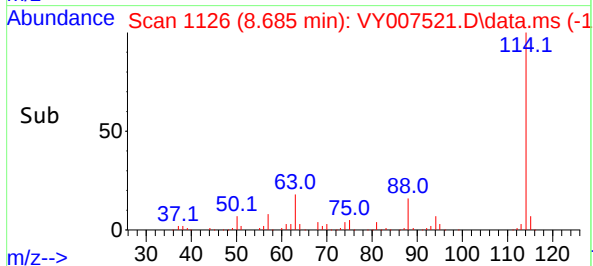
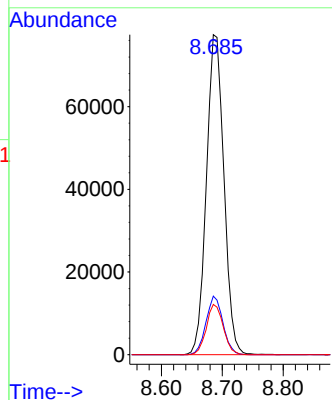
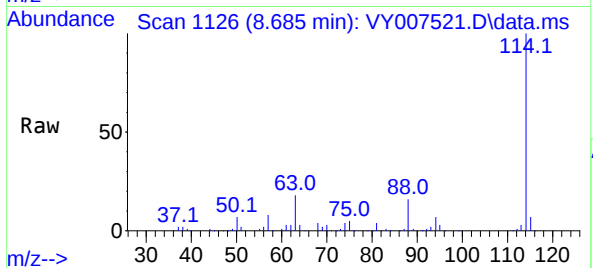
Tgt Ion:114 Resp: 154556

Ion Ratio Lower Upper

114 100

63 18.3 0.0 43.2

88 15.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.245 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY007521.D

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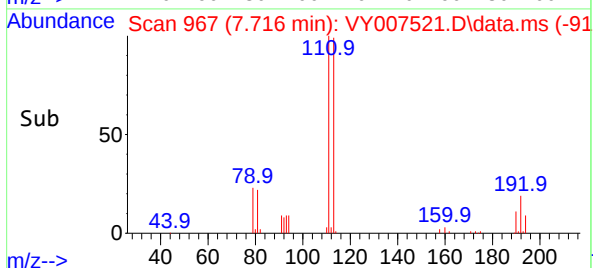
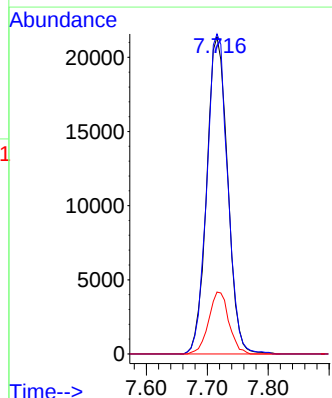
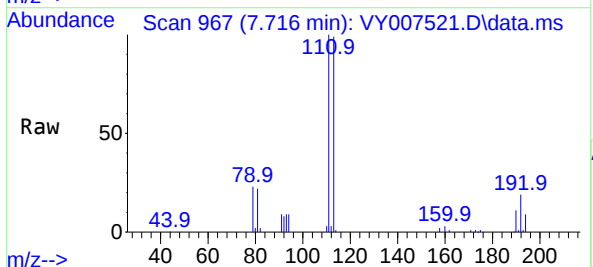
Tgt Ion:113 Resp: 50922

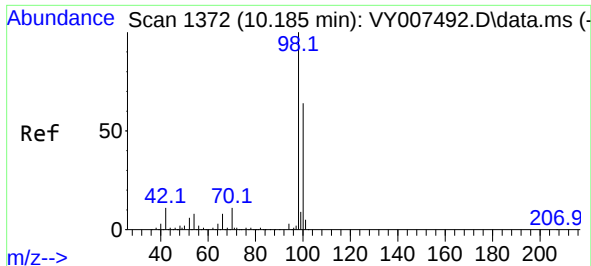
Ion Ratio Lower Upper

113 100

111 100.5 82.6 124.0

192 18.9 17.6 26.4

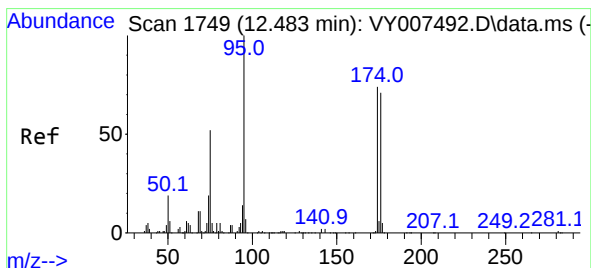
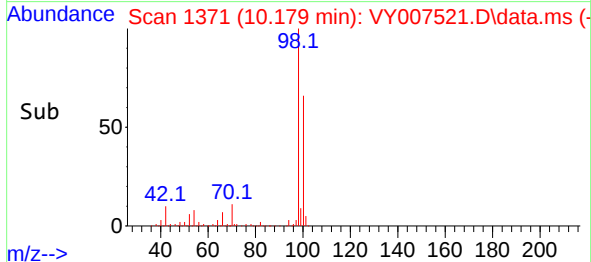
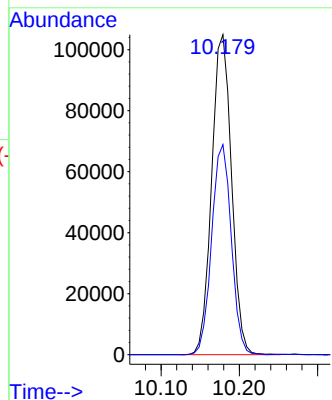
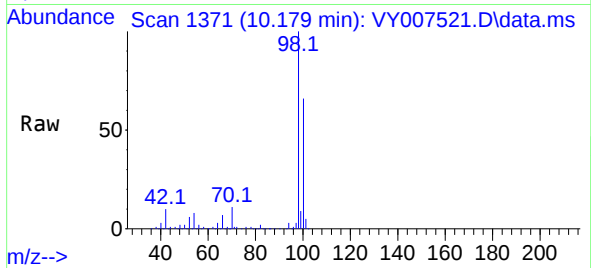




#50  
Toluene-d8  
Concen: 49.859 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY007521.D  
Acq: 17 Feb 2022 14:40

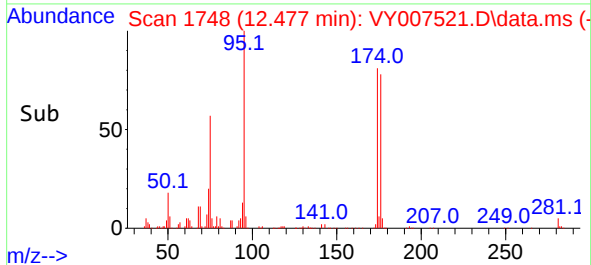
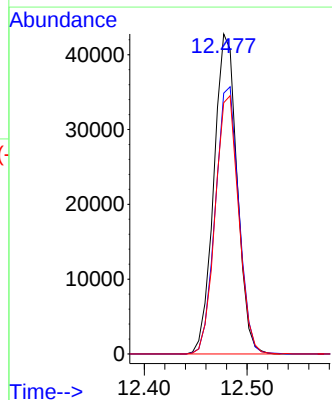
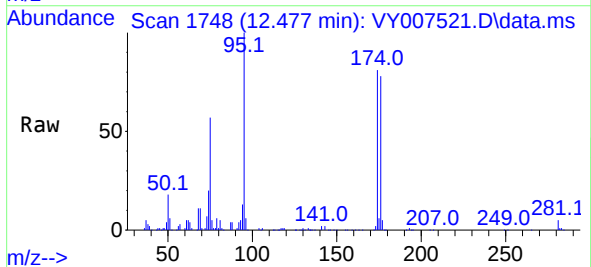
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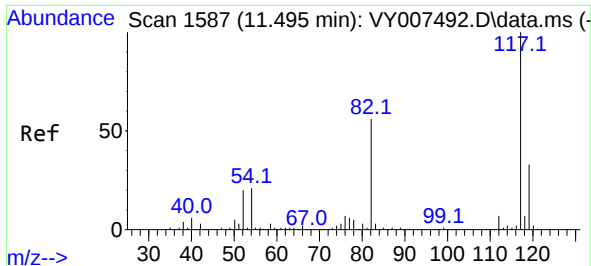
Tgt Ion: 98 Resp: 184573  
Ion Ratio Lower Upper  
98 100  
100 64.9 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 53.497 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY007521.D  
Acq: 17 Feb 2022 14:40

Tgt Ion: 95 Resp: 67151  
Ion Ratio Lower Upper  
95 100  
174 84.0 0.0 177.0  
176 81.2 0.0 175.8

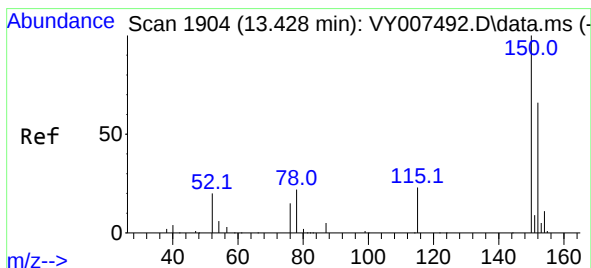
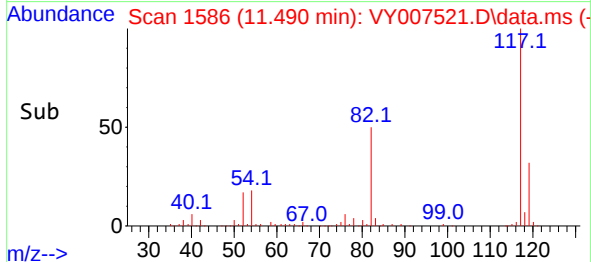
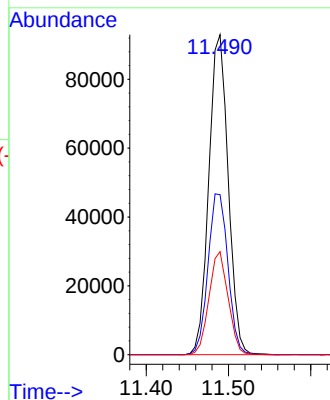
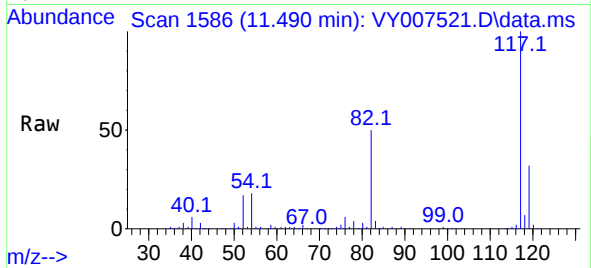




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY007521.D  
Acq: 17 Feb 2022 14:40

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

Tgt Ion:117 Resp: 152231  
Ion Ratio Lower Upper  
117 100  
82 50.0 43.0 64.4  
119 32.2 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: VY007521.D  
Acq: 17 Feb 2022 14:40

Tgt Ion:152 Resp: 69618  
Ion Ratio Lower Upper  
152 100  
115 60.4 28.2 84.7  
150 158.0 0.0 347.6

