

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092622\  
 Data File : VY010675.D  
 Acq On : 26 Sep 2022 16:50  
 Operator : KP/MD  
 Sample : N4724-09  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-02-10.5-11.0

Quant Time: Sep 27 06:27:35 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091922S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 20 01:02:44 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 216387   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 360251   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 329671   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 146350   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 110061   | 53.178   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 106.360% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 109478   | 47.617   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 95.240%  |
| 50) Toluene-d8              | 10.179 | 98    | 363740   | 43.257   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 86.520%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 125345   | 39.163   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 78.320%  |

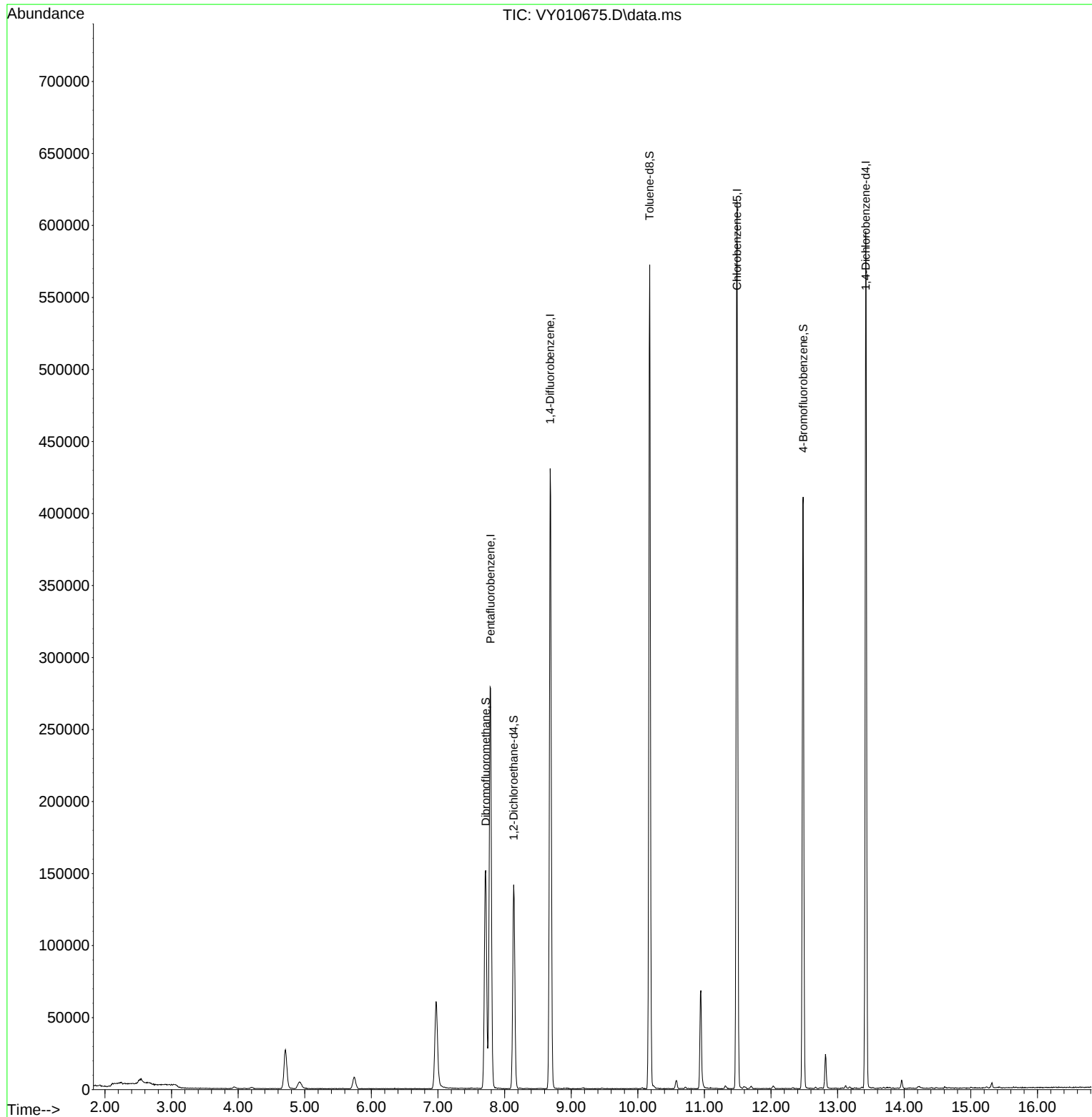
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

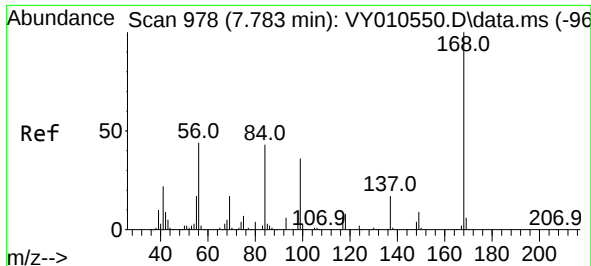
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

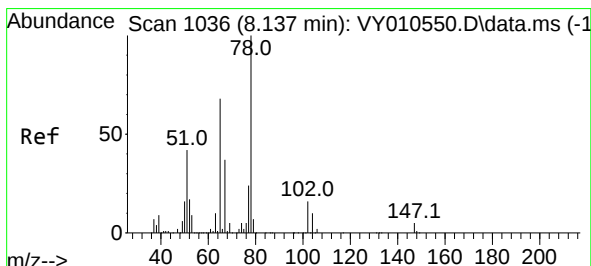
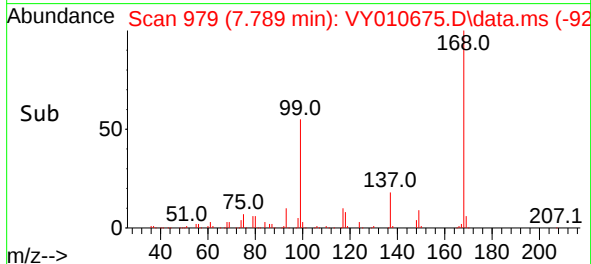
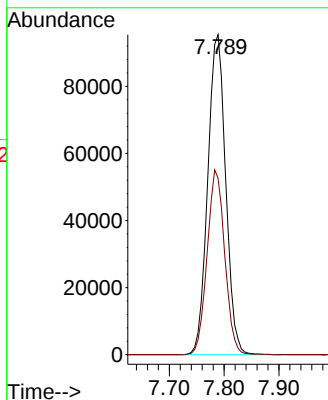
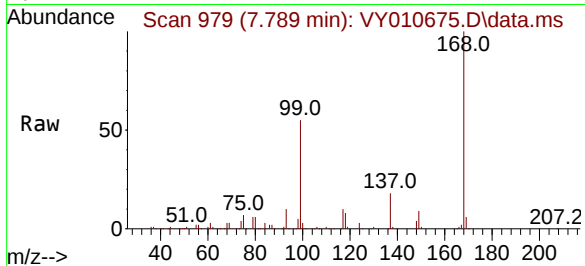




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY010675.D  
Acq: 26 Sep 2022 16:50

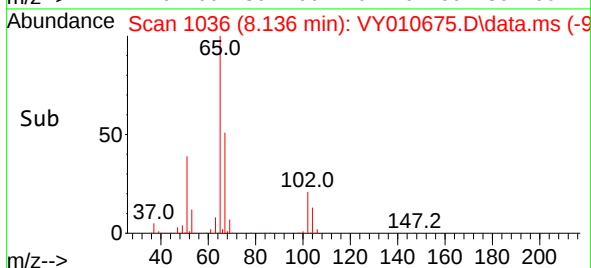
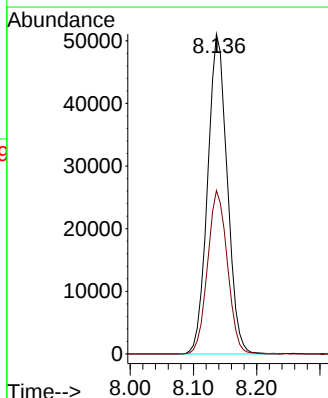
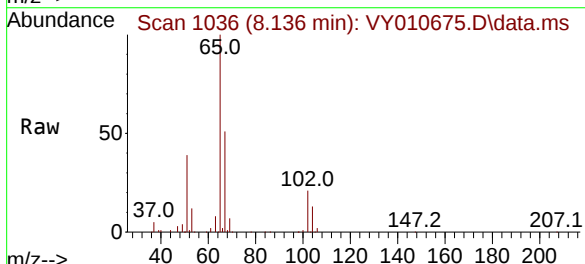
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-02-10.5-11.0

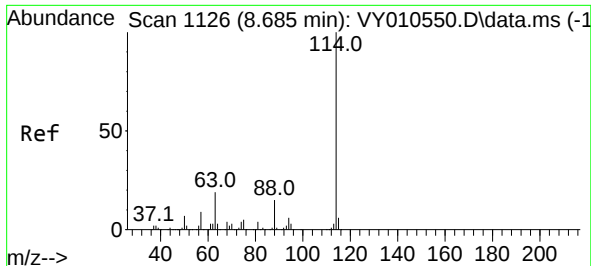
Tgt Ion:168 Resp: 216387  
Ion Ratio Lower Upper  
168 100  
99 55.1 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 53.178 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.001 min  
Lab File: VY010675.D  
Acq: 26 Sep 2022 16:50

Tgt Ion: 65 Resp: 110061  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010675.D

Acq: 26 Sep 2022 16:50

Instrument :

MSVOA\_Y

ClientSampleId :

SB-02-10.5-11.0

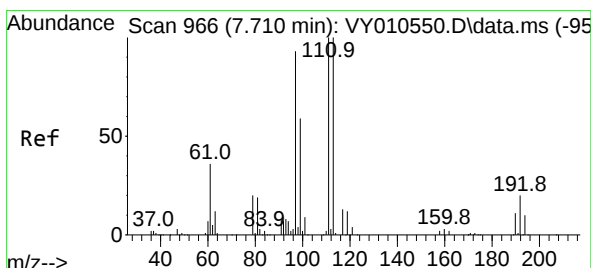
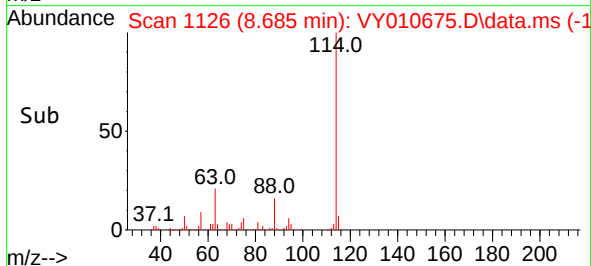
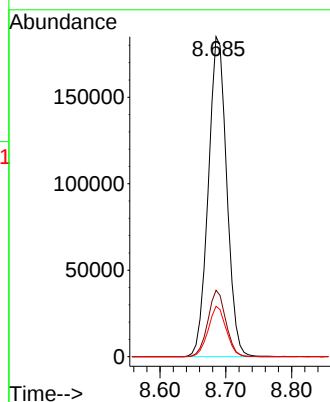
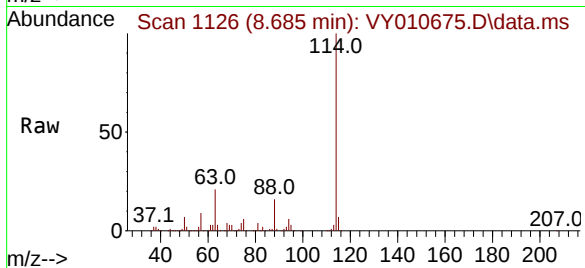
Tgt Ion:114 Resp: 360251

Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.2

88 15.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.617 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010675.D

Acq: 26 Sep 2022 16:50

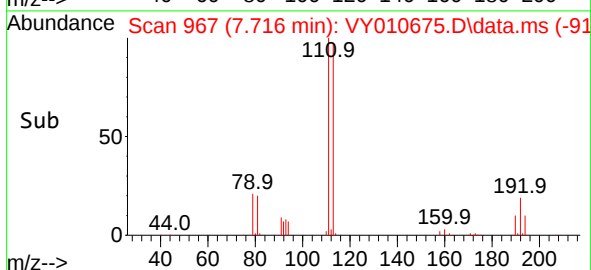
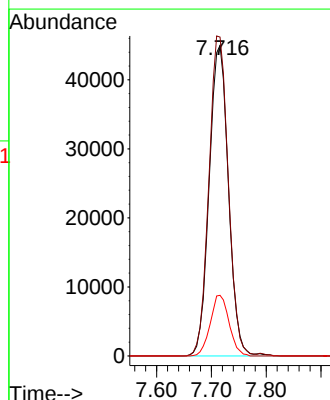
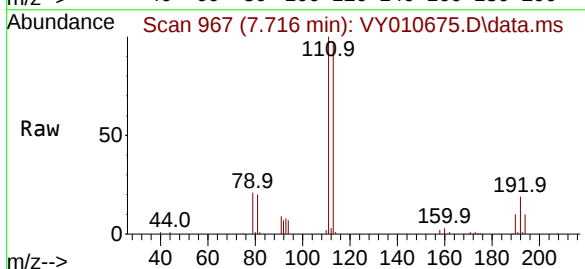
Tgt Ion:113 Resp: 109478

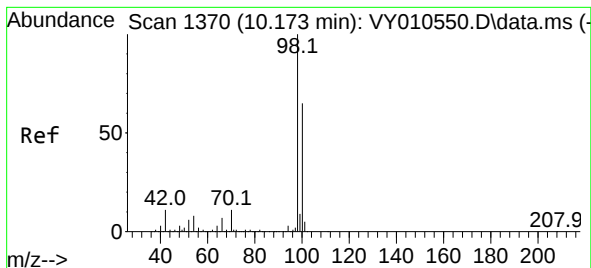
Ion Ratio Lower Upper

113 100

111 103.5 82.6 124.0

192 19.1 17.6 26.4

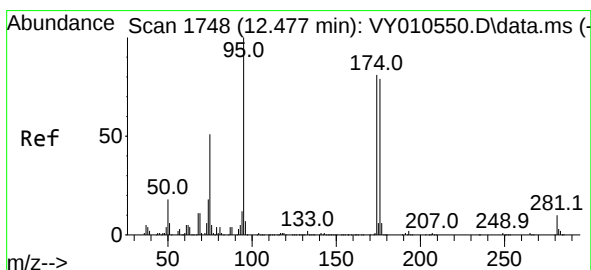
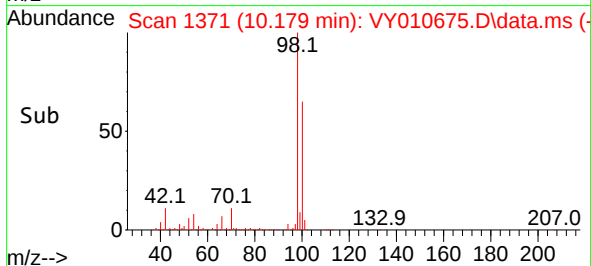
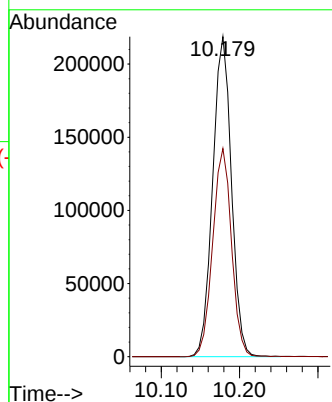
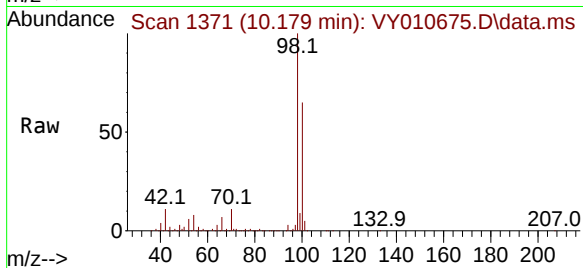




#50  
Toluene-d8  
Concen: 43.257 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY010675.D  
Acq: 26 Sep 2022 16:50

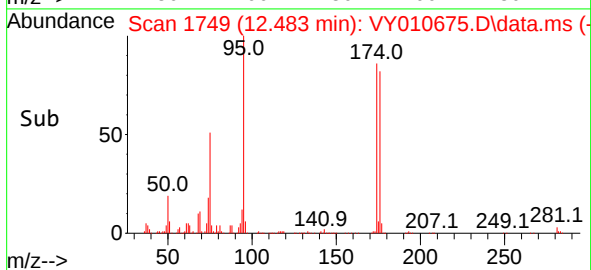
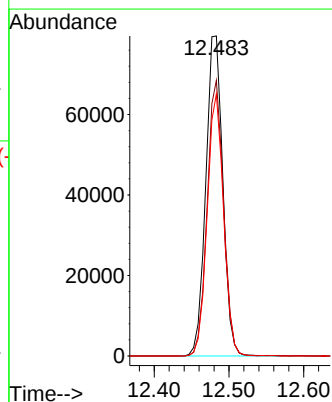
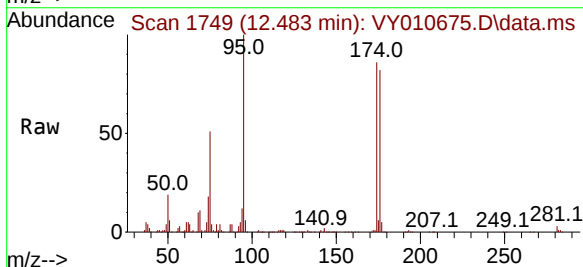
Instrument :  
MSVOA\_Y  
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SB-02-10.5-11.0

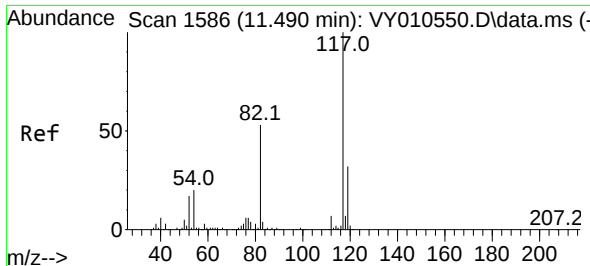
Tgt Ion: 98 Resp: 363740  
Ion Ratio Lower Upper  
98 100  
100 65.2 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 39.163 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY010675.D  
Acq: 26 Sep 2022 16:50

Tgt Ion: 95 Resp: 125345  
Ion Ratio Lower Upper  
95 100  
174 83.4 0.0 177.0  
176 78.7 0.0 175.8

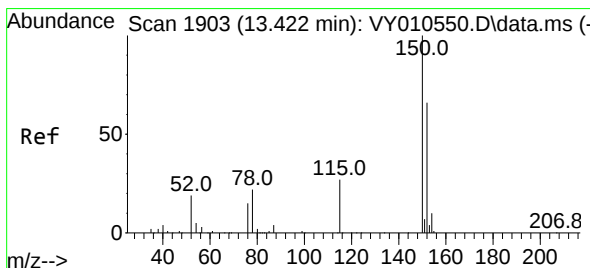
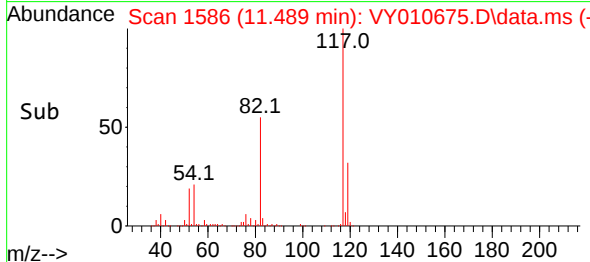
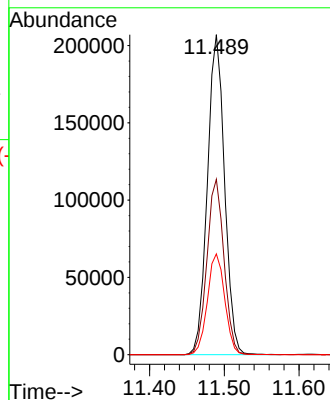
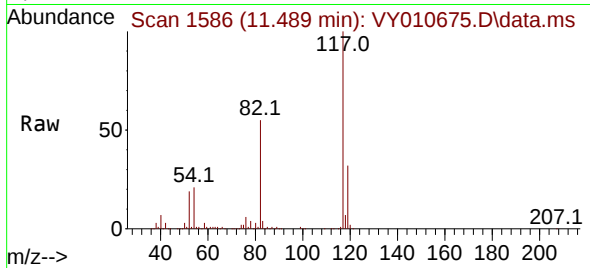




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY010675.D  
Acq: 26 Sep 2022 16:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-02-10.5-11.0

Tgt Ion:117 Resp: 329671  
Ion Ratio Lower Upper  
117 100  
82 54.8 43.0 64.4  
119 31.5 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: VY010675.D  
Acq: 26 Sep 2022 16:50

Tgt Ion:152 Resp: 146350  
Ion Ratio Lower Upper  
152 100  
115 58.0 28.2 84.7  
150 157.9 0.0 347.6

