

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY080922\  
 Data File : VY009940.D  
 Acq On : 10 Aug 2022 00:55  
 Operator : KP/MD  
 Sample : N4017-03  
 Misc : 4.61g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB10

Quant Time: Aug 10 01:35:05 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080822S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 08 17:55:50 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 68235    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 144388   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 142771   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 63207    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.130  | 65    | 29202    | 55.273   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 110.540% |
| 35) Dibromofluoromethane    | 7.704  | 113   | 27133    | 34.617   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 69.240%  |
| 50) Toluene-d8              | 10.173 | 98    | 102324   | 42.025   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 84.040%  |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 32470    | 29.669   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 59.340%  |

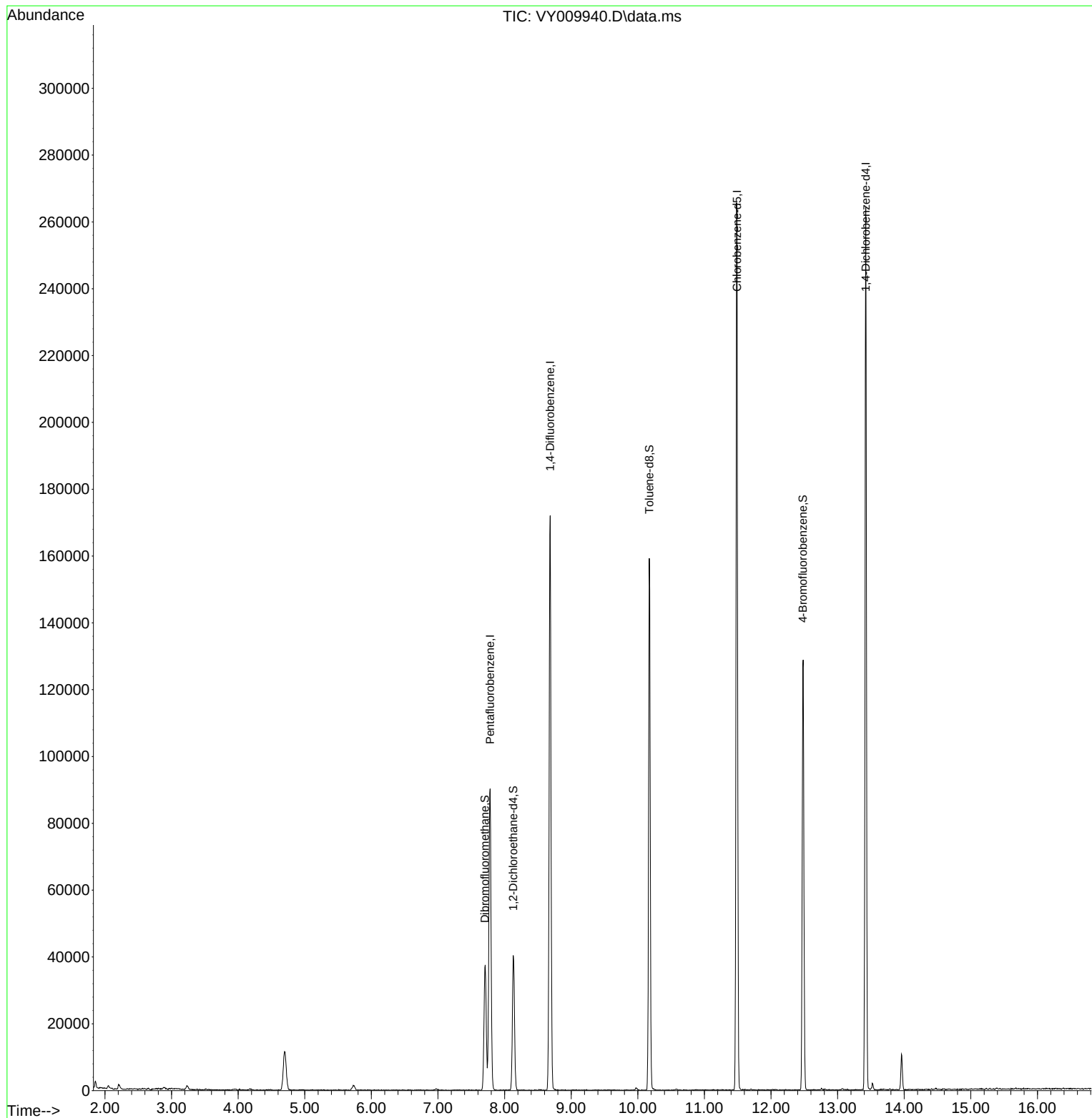
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

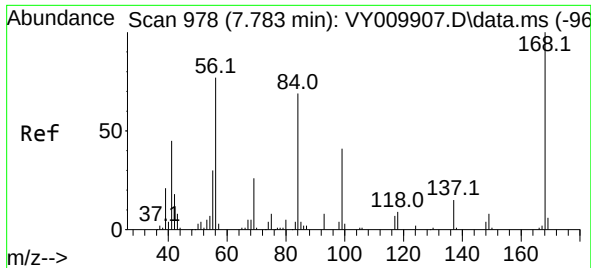
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Aug 08 17:55:50 2022  
Response via : Initial Calibration

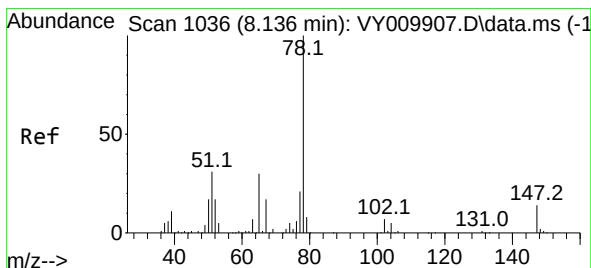
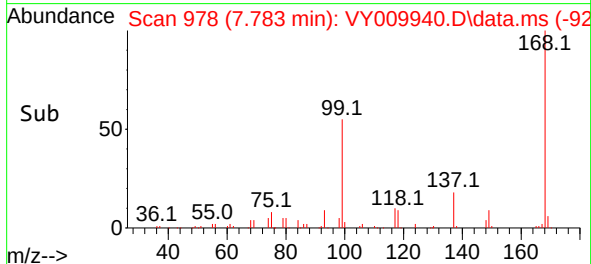
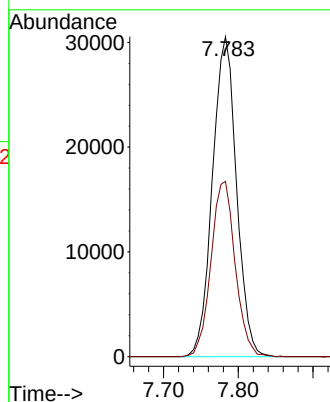
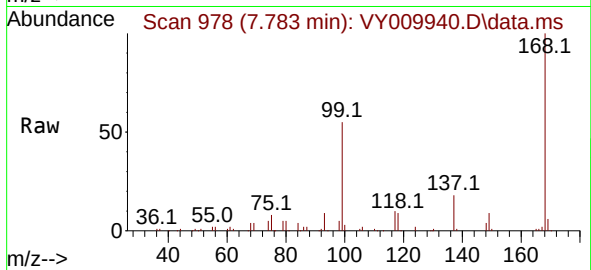




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.001 min  
Lab File: VY009940.D  
Acq: 10 Aug 2022 00:55

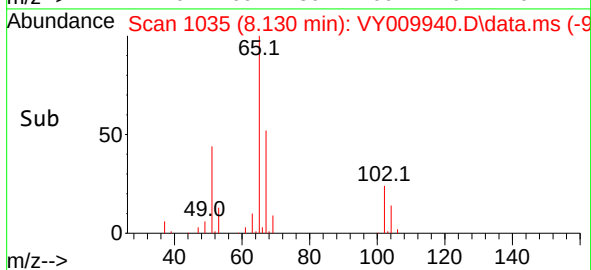
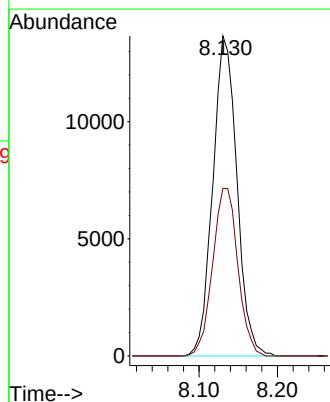
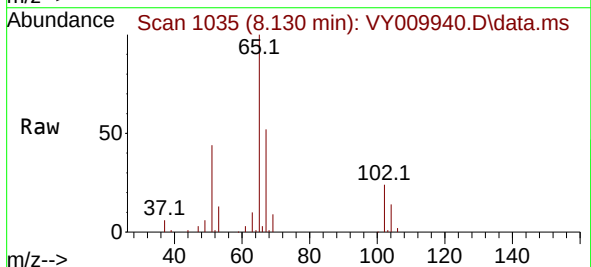
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB10

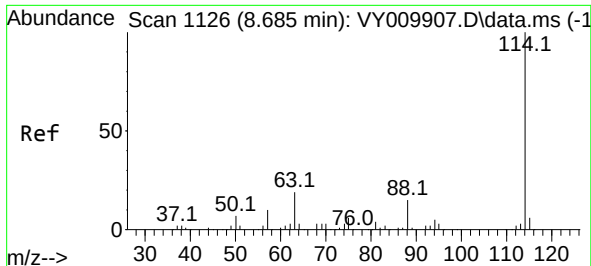
Tgt Ion:168 Resp: 68235  
Ion Ratio Lower Upper  
168 100  
99 54.8 42.1 63.1



#33  
1,2-Dichloroethane-d4  
Concen: 55.273 ug/l  
RT: 8.130 min Scan# 1035  
Delta R.T. 0.000 min  
Lab File: VY009940.D  
Acq: 10 Aug 2022 00:55

Tgt Ion: 65 Resp: 29202  
Ion Ratio Lower Upper  
65 100  
67 54.9 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009940.D

Acq: 10 Aug 2022 00:55

Instrument :

MSVOA\_Y

ClientSampleId :

SB10

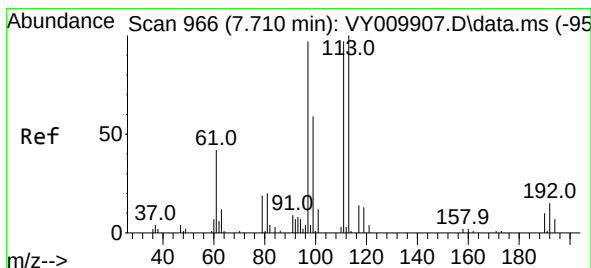
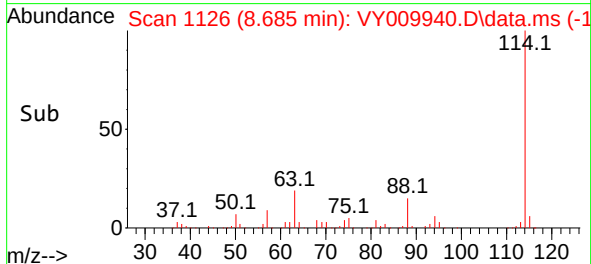
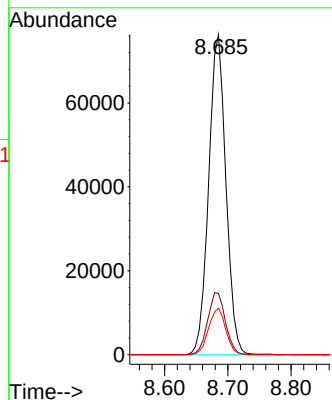
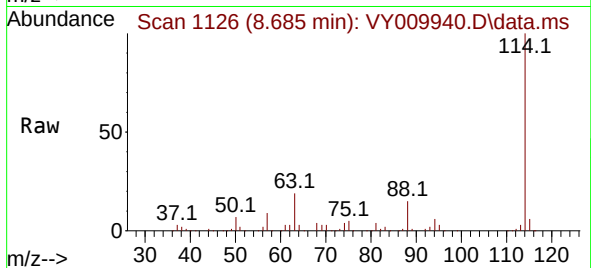
Tgt Ion:114 Resp: 144388

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.0

88 14.5 0.0 30.0



#35

Dibromofluoromethane

Concen: 34.617 ug/l

RT: 7.704 min Scan# 965

Delta R.T. -0.005 min

Lab File: VY009940.D

Acq: 10 Aug 2022 00:55

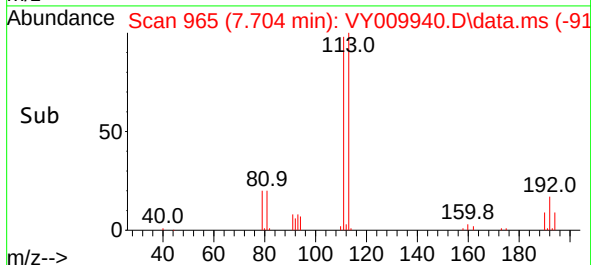
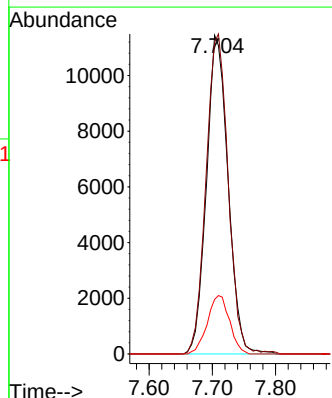
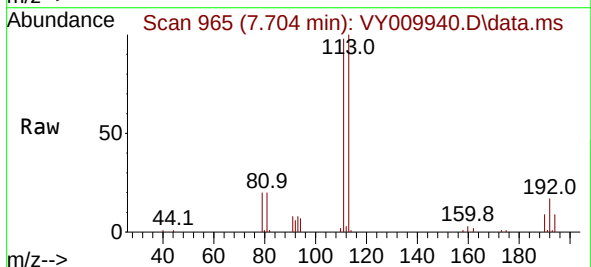
Tgt Ion:113 Resp: 27133

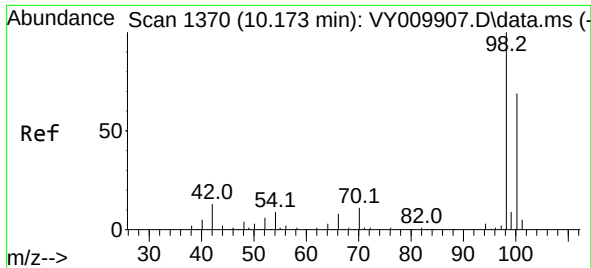
Ion Ratio Lower Upper

113 100

111 103.0 80.6 120.8

192 18.8 16.2 24.4

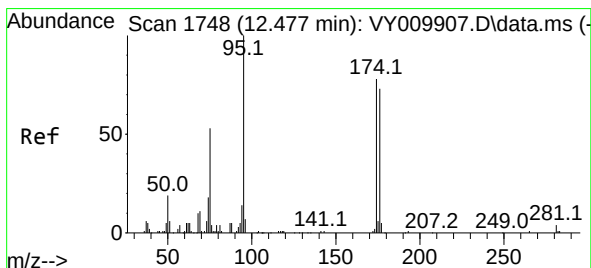
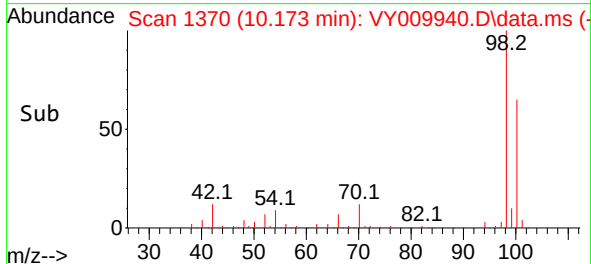
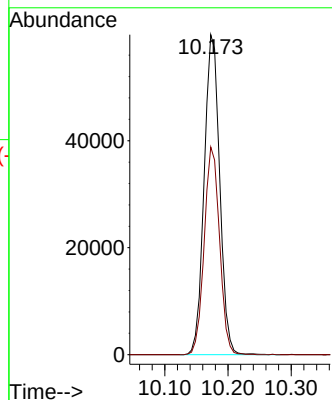
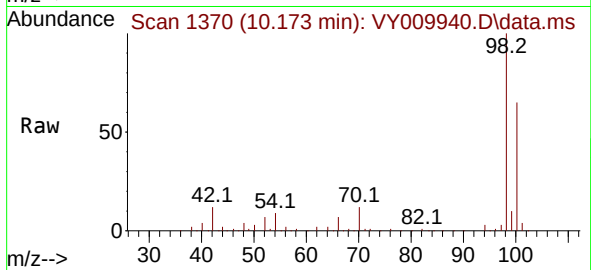




#50  
Toluene-d8  
Concen: 42.025 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY009940.D  
Acq: 10 Aug 2022 00:55

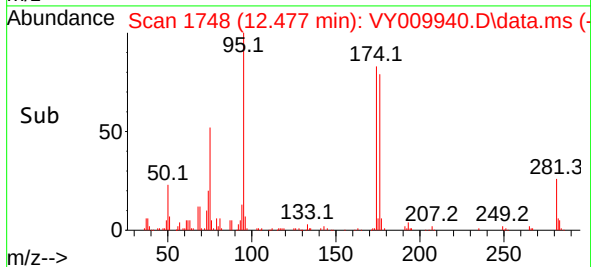
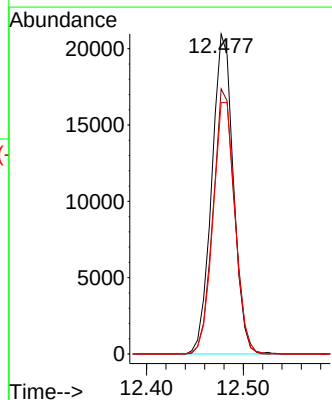
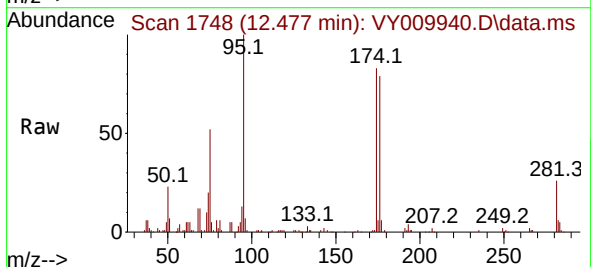
Instrument :  
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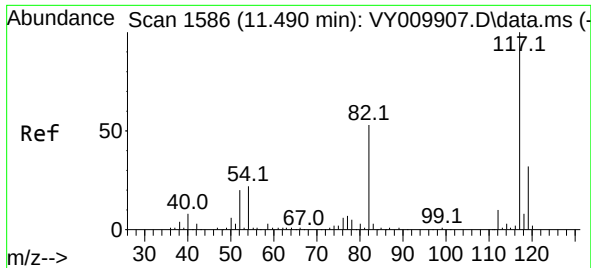
Tgt Ion: 98 Resp: 102324  
Ion Ratio Lower Upper  
98 100  
100 64.0 52.9 79.3



#62  
4-Bromofluorobenzene  
Concen: 29.669 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY009940.D  
Acq: 10 Aug 2022 00:55

Tgt Ion: 95 Resp: 32470  
Ion Ratio Lower Upper  
95 100  
174 82.2 0.0 173.8  
176 80.3 0.0 167.0

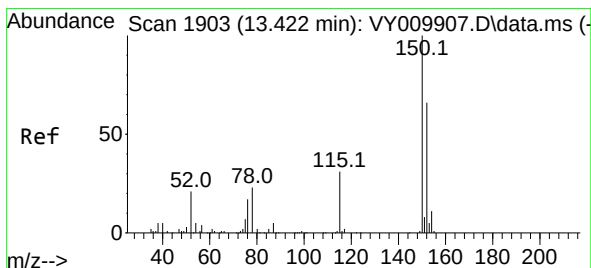
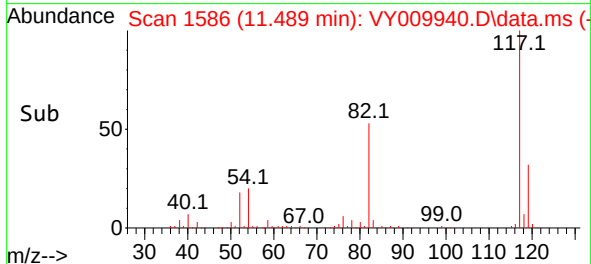
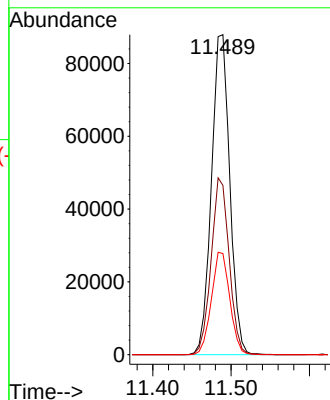
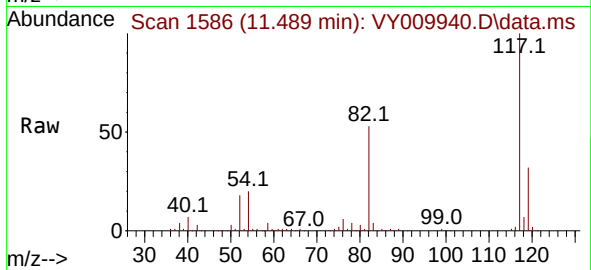




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY009940.D  
Acq: 10 Aug 2022 00:55

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB10

Tgt Ion:117 Resp: 142771  
Ion Ratio Lower Upper  
117 100  
82 52.9 41.8 62.6  
119 31.6 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY009940.D  
Acq: 10 Aug 2022 00:55

Tgt Ion:152 Resp: 63207  
Ion Ratio Lower Upper  
152 100  
115 58.2 28.6 85.9  
150 157.4 0.0 349.8

