

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY090322\  
 Data File : VY010334.D  
 Acq On : 03 Sep 2022 20:39  
 Operator : KP/MD  
 Sample : N4501-11  
 Misc : 4.97g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-13-9.5-10.0

Quant Time: Sep 05 04:24:24 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090222S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 02 16:41:46 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 277221   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 452147   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 429257   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 208823   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 152592   | 53.681   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 107.360% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 139584   | 46.373   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 92.740%  |
| 50) Toluene-d8              | 10.179 | 98    | 532605   | 52.850   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 105.700% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 194320   | 47.880   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 95.760%  |

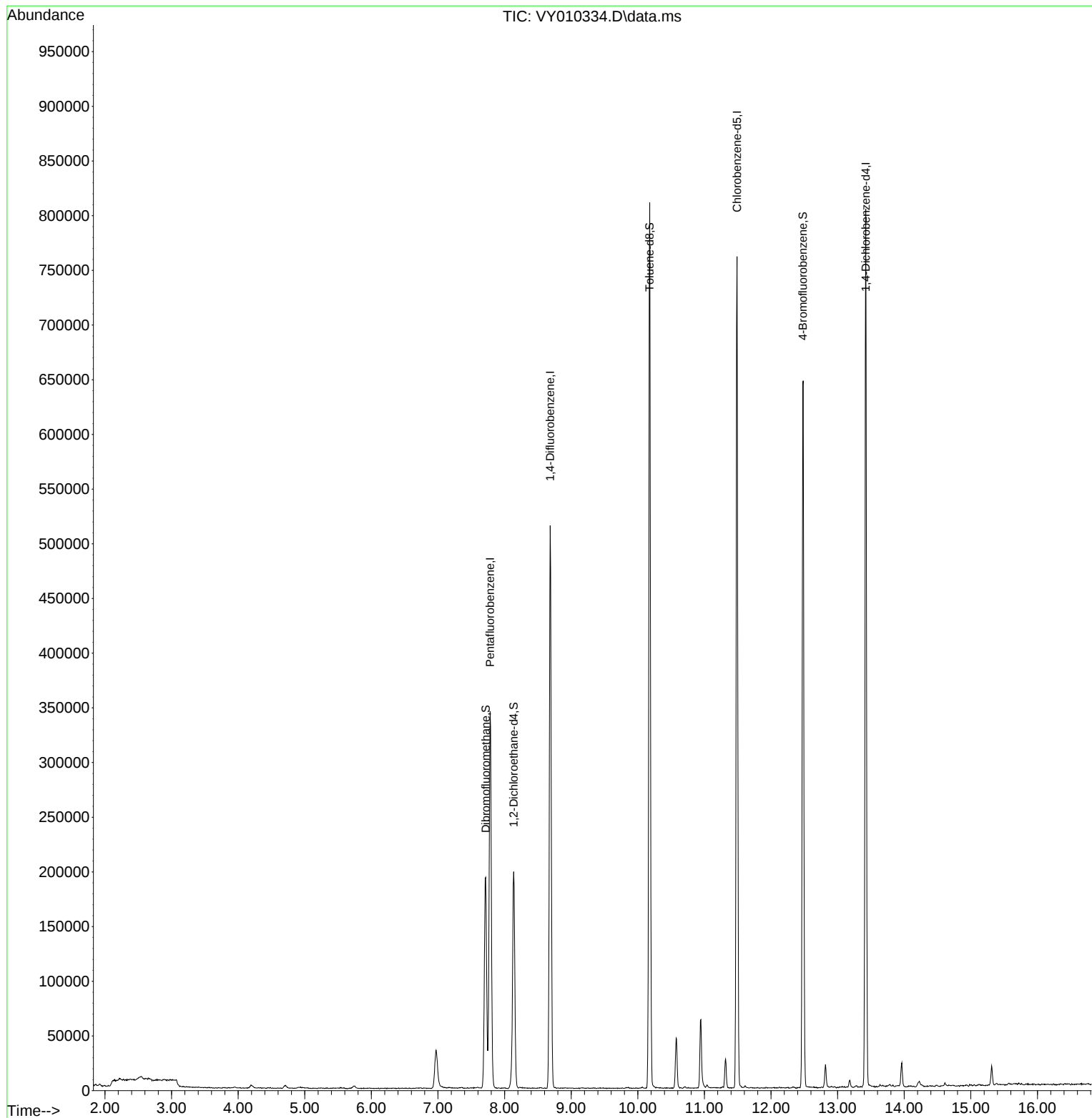
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

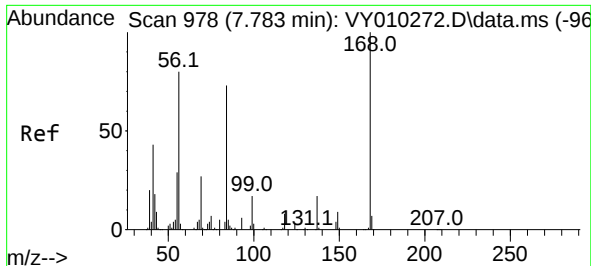
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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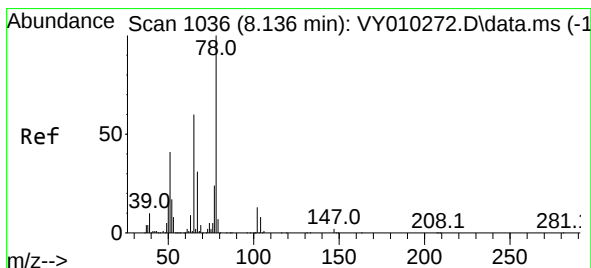
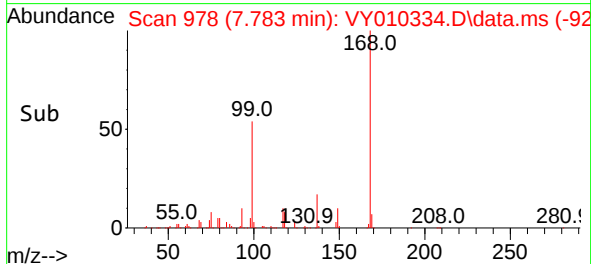
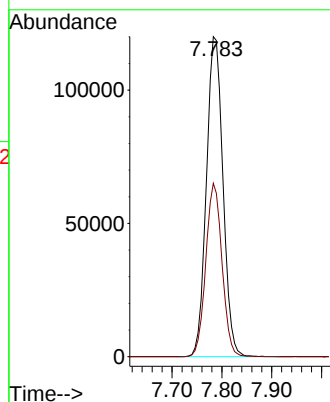
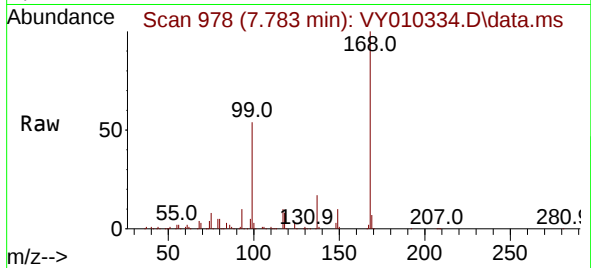




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY010334.D  
Acq: 03 Sep 2022 20:39

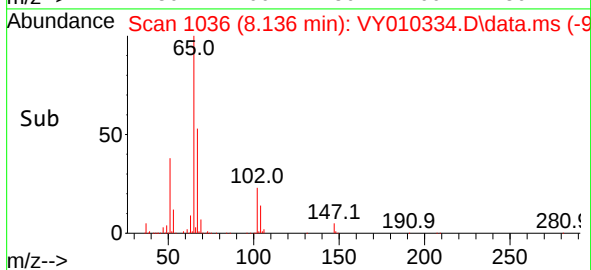
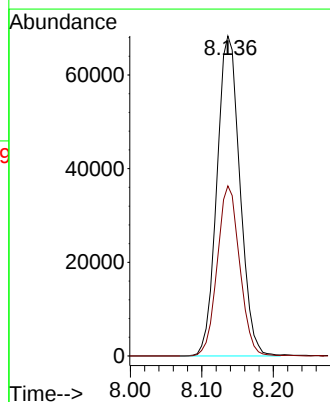
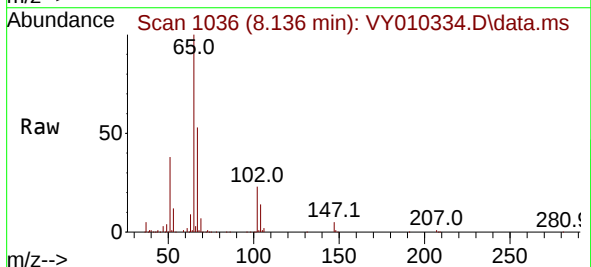
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-13-9.5-10.0

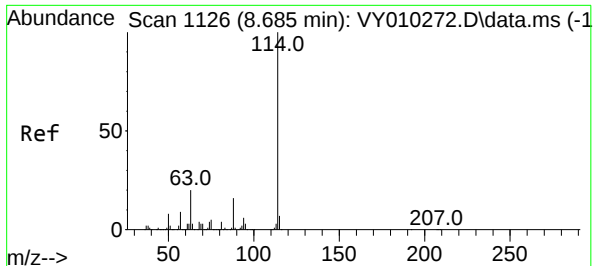
Tgt Ion:168 Resp: 277221  
Ion Ratio Lower Upper  
168 100  
99 54.2 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 53.681 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY010334.D  
Acq: 03 Sep 2022 20:39

Tgt Ion: 65 Resp: 152592  
Ion Ratio Lower Upper  
65 100  
67 51.8 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: VY010334.D

Acq: 03 Sep 2022 20:39

Instrument :

MSVOA\_Y

ClientSampleId :

SB-13-9.5-10.0

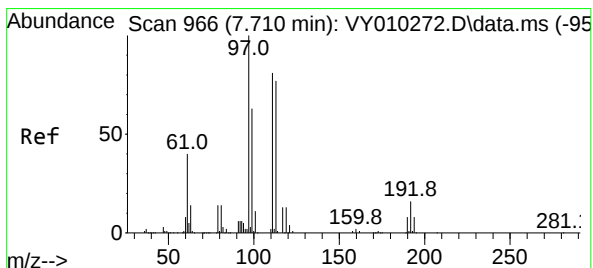
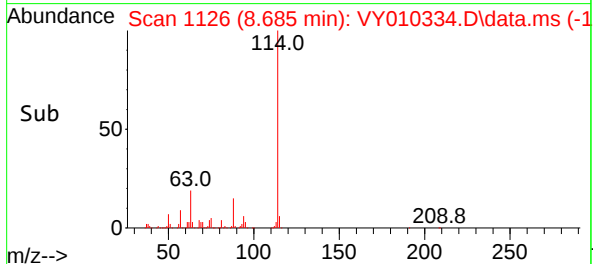
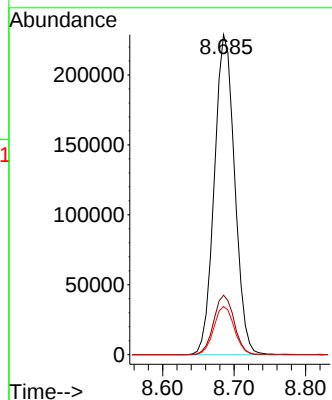
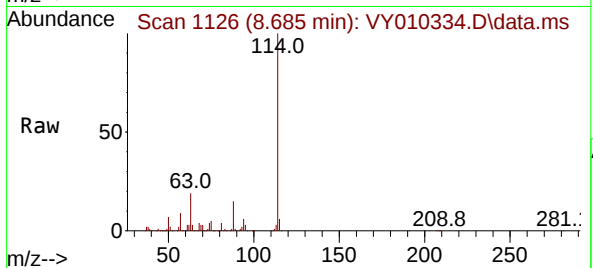
Tgt Ion:114 Resp: 452147

Ion Ratio Lower Upper

114 100

63 18.6 0.0 43.2

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 46.373 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010334.D

Acq: 03 Sep 2022 20:39

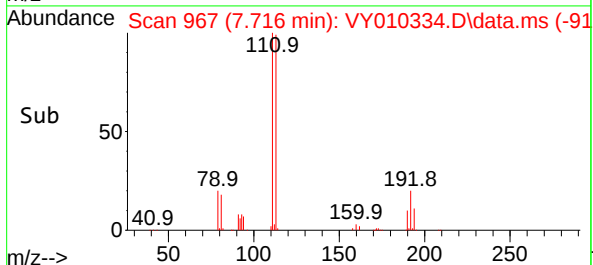
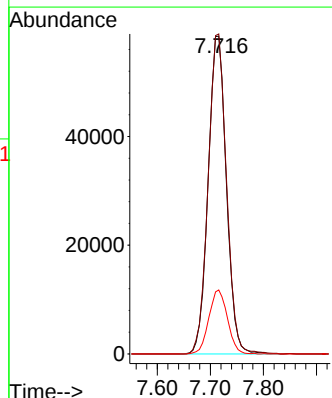
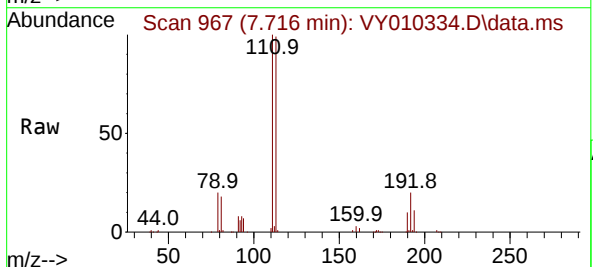
Tgt Ion:113 Resp: 139584

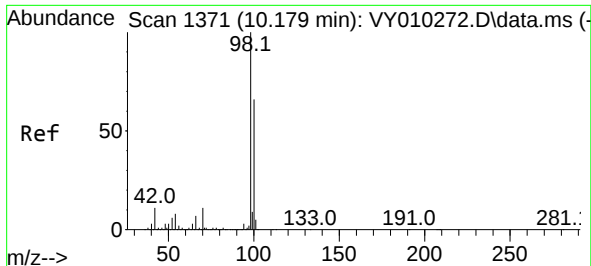
Ion Ratio Lower Upper

113 100

111 101.2 82.6 124.0

192 20.6 17.6 26.4

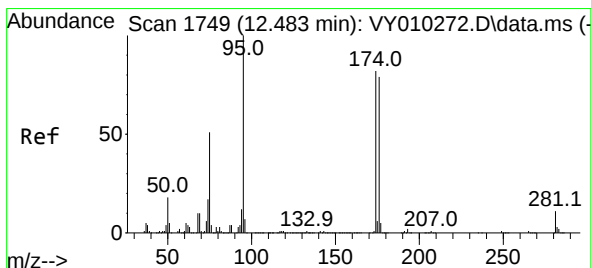
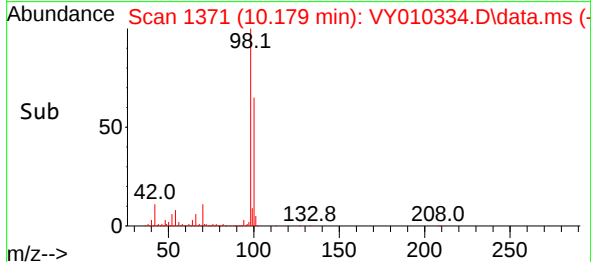
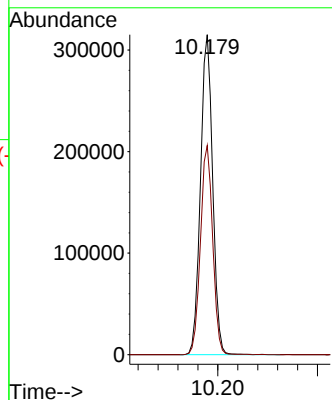
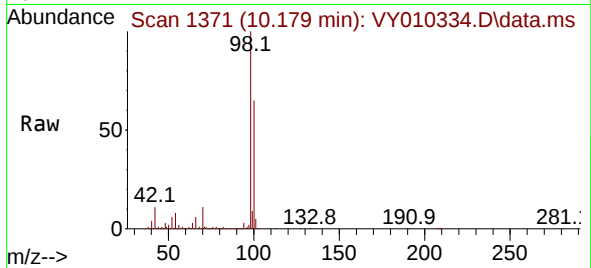




#50  
Toluene-d8  
Concen: 52.850 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY010334.D  
Acq: 03 Sep 2022 20:39

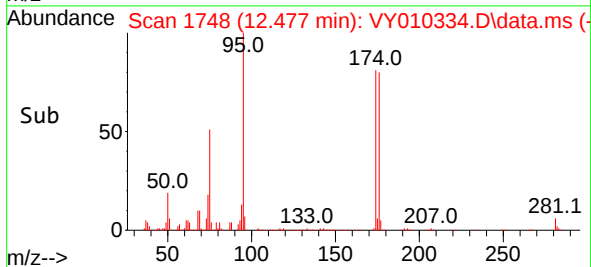
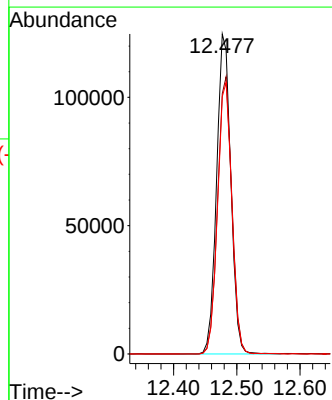
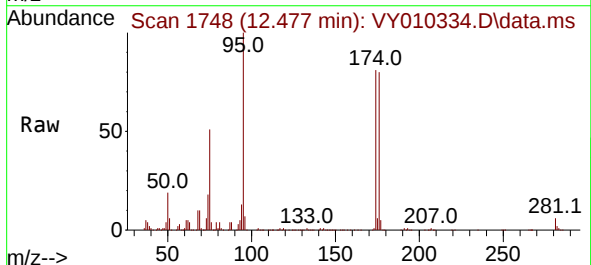
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-13-9.5-10.0

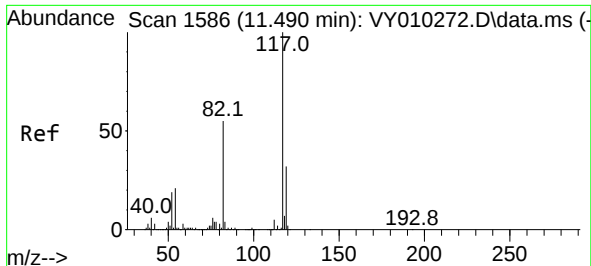
Tgt Ion: 98 Resp: 532605  
Ion Ratio Lower Upper  
98 100  
100 65.7 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 47.880 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY010334.D  
Acq: 03 Sep 2022 20:39

Tgt Ion: 95 Resp: 194320  
Ion Ratio Lower Upper  
95 100  
174 87.2 0.0 177.0  
176 85.3 0.0 175.8

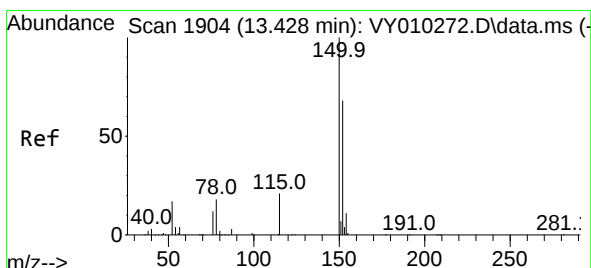
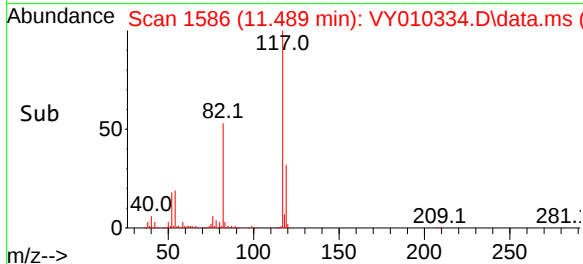
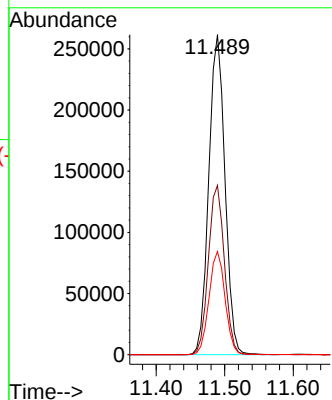
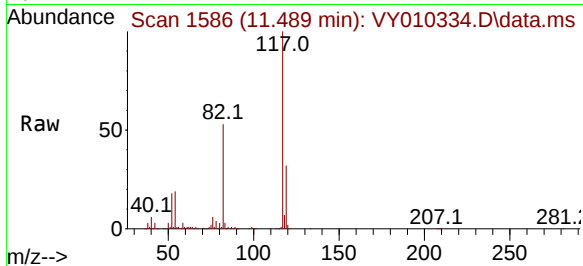




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY010334.D  
Acq: 03 Sep 2022 20:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-13-9.5-10.0

Tgt Ion:117 Resp: 429257  
Ion Ratio Lower Upper  
117 100  
82 52.9 43.0 64.4  
119 32.3 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.006 min  
Lab File: VY010334.D  
Acq: 03 Sep 2022 20:39

Tgt Ion:152 Resp: 208823  
Ion Ratio Lower Upper  
152 100  
115 57.0 28.2 84.7  
150 156.1 0.0 347.6

