

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY090722\  
 Data File : VY010375.D  
 Acq On : 07 Sep 2022 16:24  
 Operator : KP/MD  
 Sample : N4474-09  
 Misc : 5.62g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 BEACONPOINT-BF-VOC-09

Quant Time: Sep 08 04:12:45 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  | 228821   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 379732   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 358263   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 168757   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 125159   | 53.343   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 106.680% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 117100   | 46.322   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 92.640%  |
| 50) Toluene-d8              | 10.179 | 98    | 452067   | 53.413   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 106.820% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 155613   | 45.319   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 90.640%  |

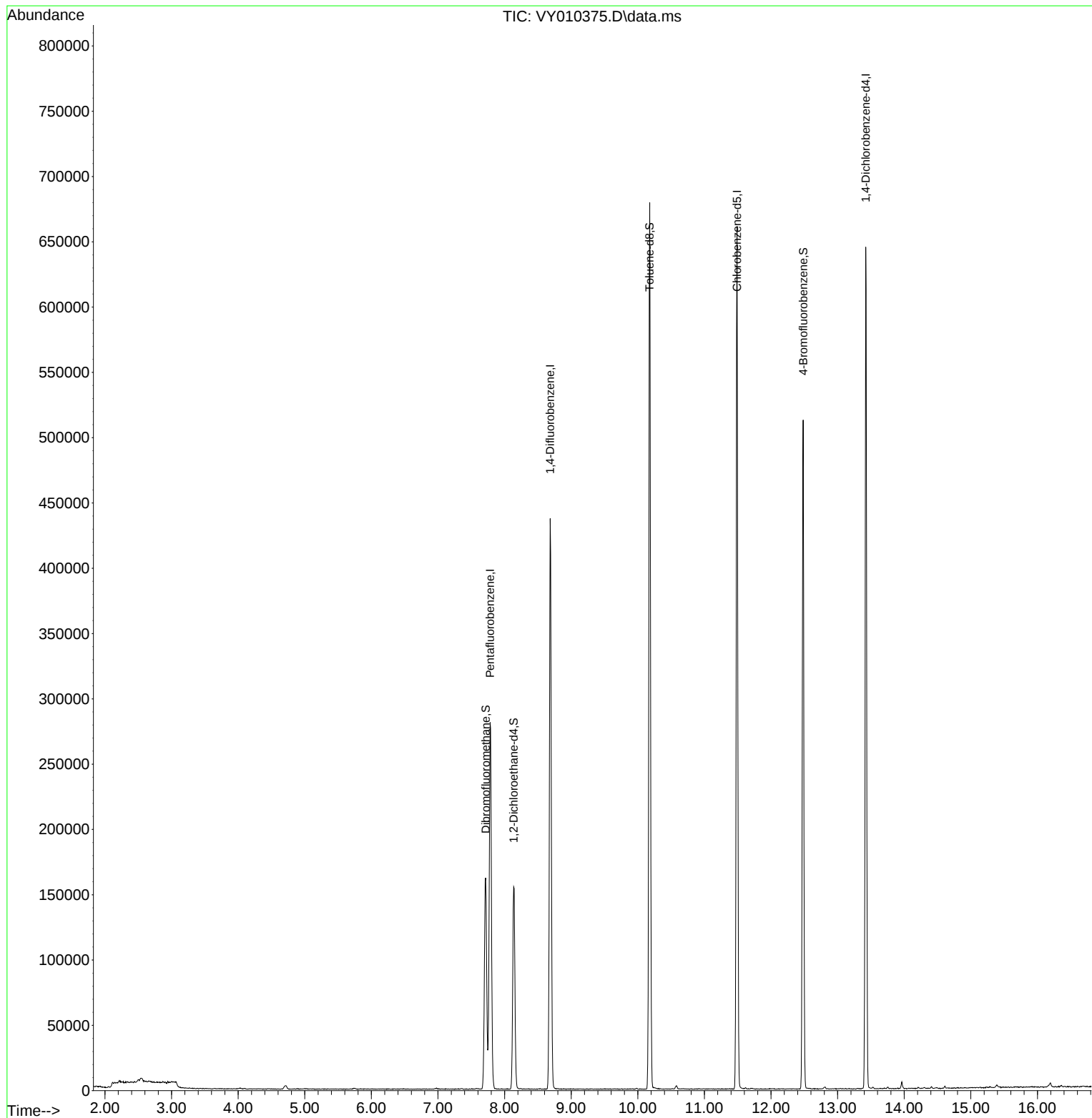
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

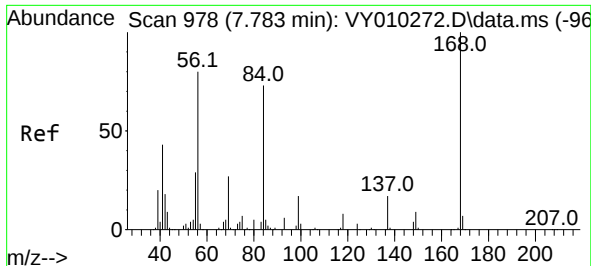
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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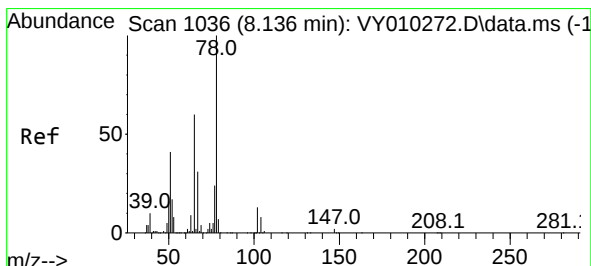
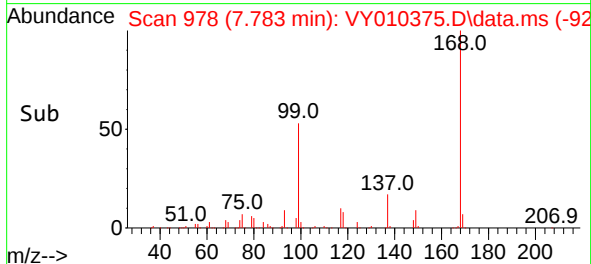
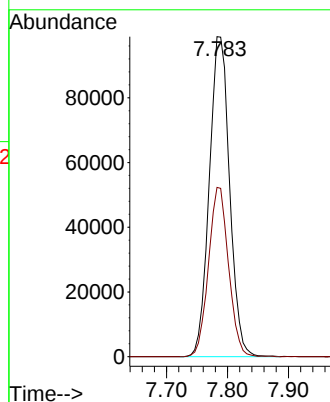
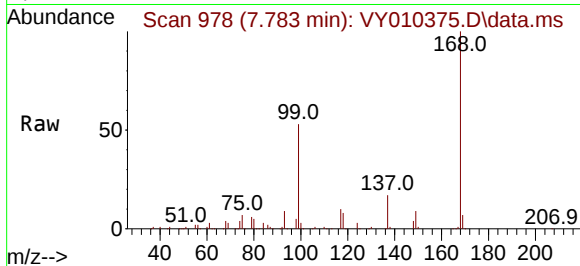




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY010375.D  
Acq: 07 Sep 2022 16:24

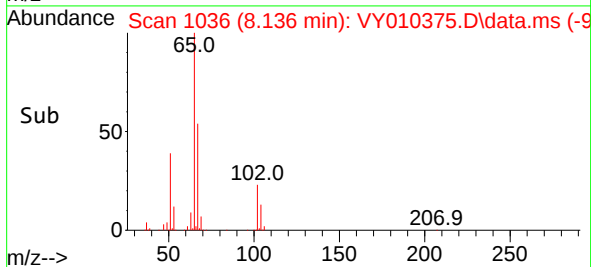
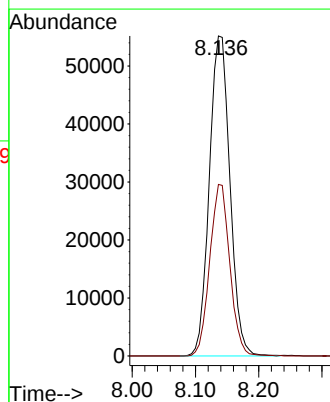
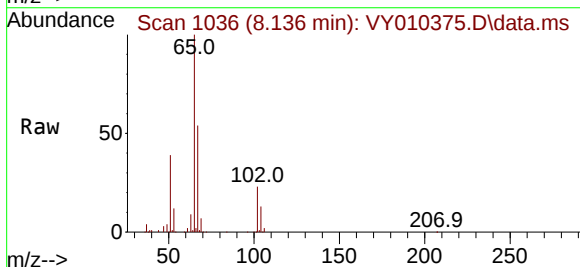
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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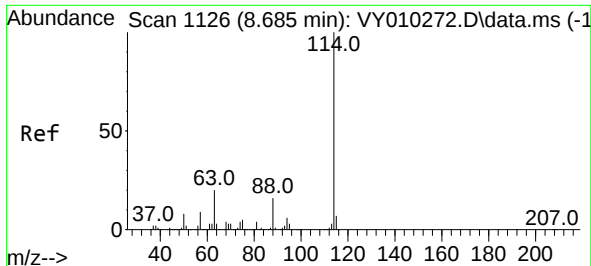
Tgt Ion:168 Resp: 228821  
Ion Ratio Lower Upper  
168 100  
99 52.9 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 53.343 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY010375.D  
Acq: 07 Sep 2022 16:24

Tgt Ion: 65 Resp: 125159  
Ion Ratio Lower Upper  
65 100  
67 52.1 0.0 99.4

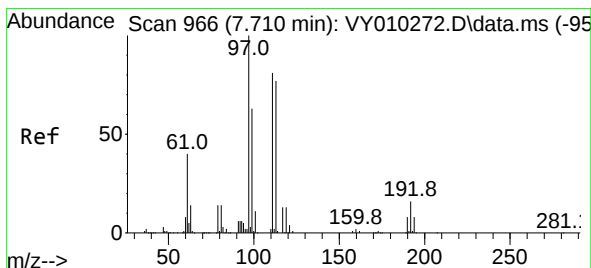
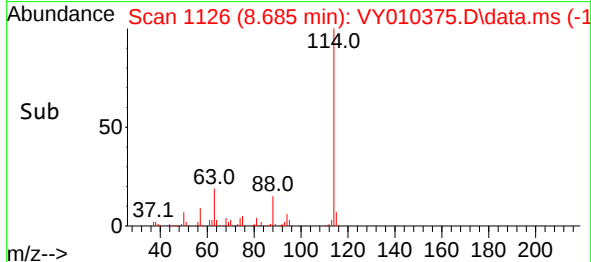
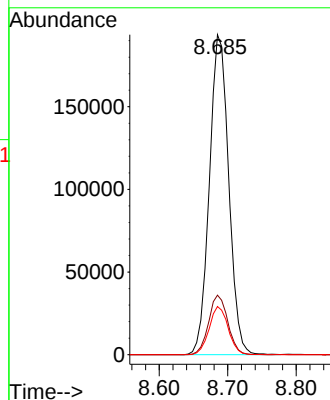
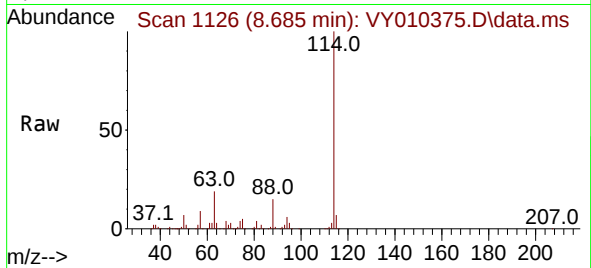




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.685 min Scan# 1126  
 Delta R.T. 0.000 min  
 Lab File: VY010375.D  
 Acq: 07 Sep 2022 16:24

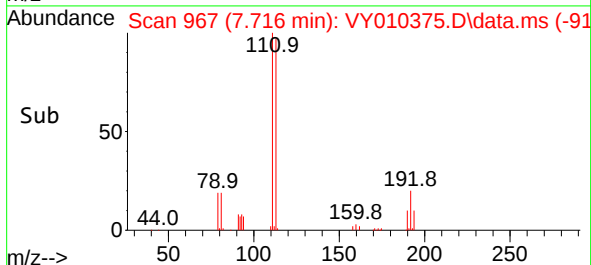
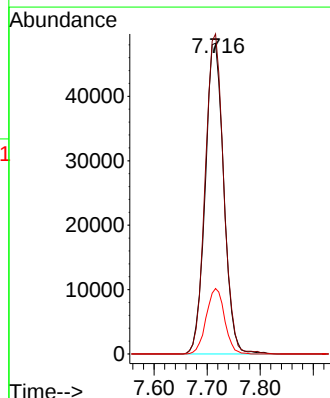
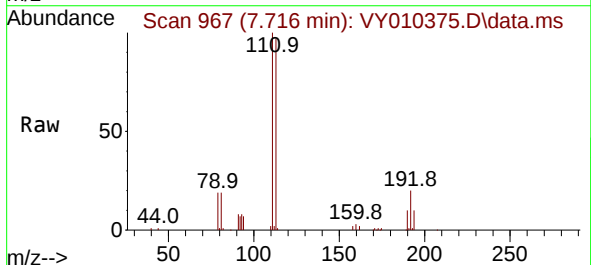
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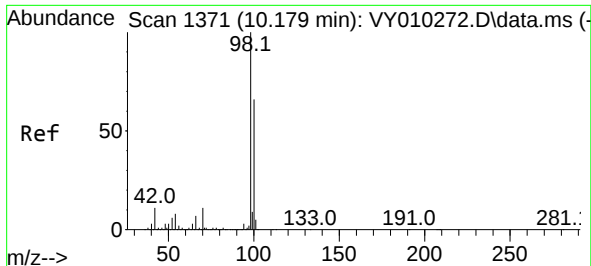
Tgt Ion:114 Resp: 379732  
 Ion Ratio Lower Upper  
 114 100  
 63 18.6 0.0 43.2  
 88 15.1 0.0 31.8



#35  
 Dibromofluoromethane  
 Concen: 46.322 ug/l  
 RT: 7.716 min Scan# 967  
 Delta R.T. 0.006 min  
 Lab File: VY010375.D  
 Acq: 07 Sep 2022 16:24

Tgt Ion:113 Resp: 117100  
 Ion Ratio Lower Upper  
 113 100  
 111 102.2 82.6 124.0  
 192 20.8 17.6 26.4

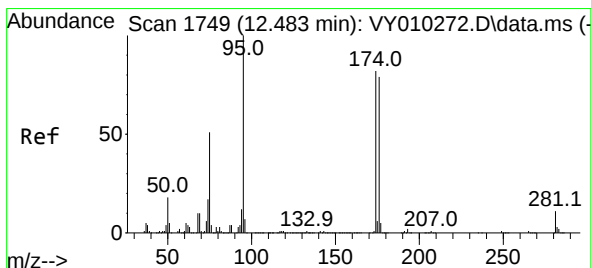
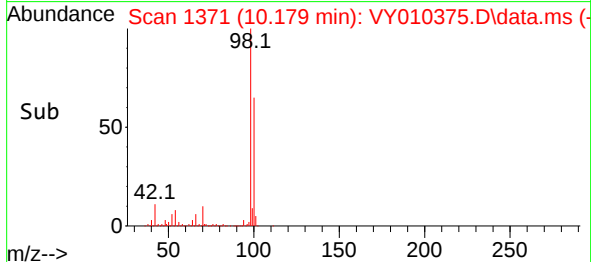
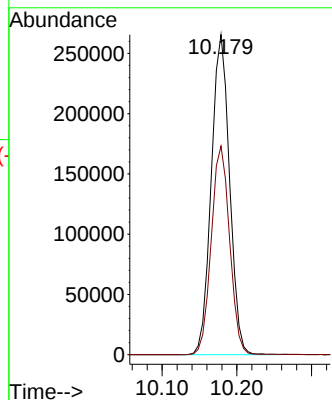
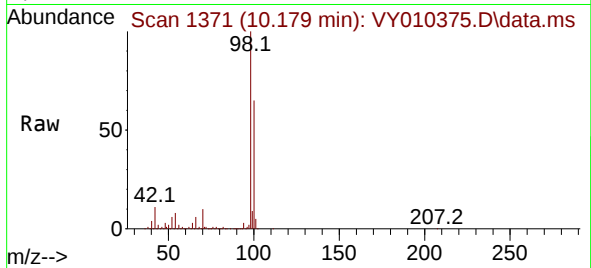




#50  
Toluene-d8  
Concen: 53.413 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY010375.D  
Acq: 07 Sep 2022 16:24

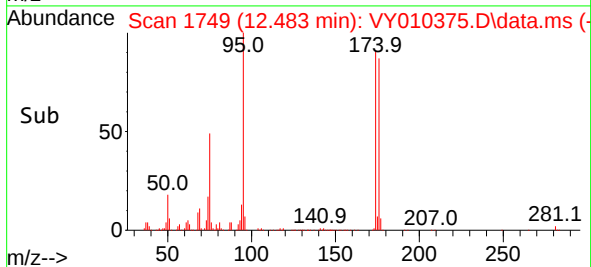
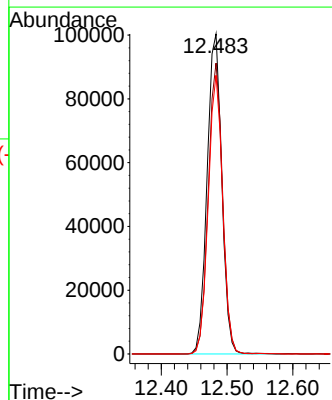
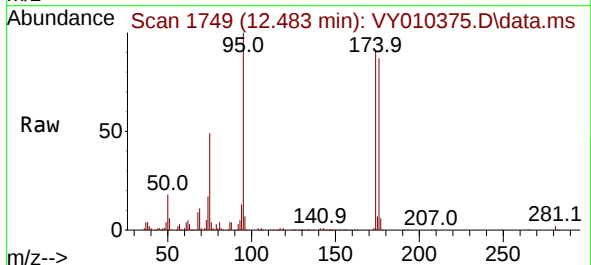
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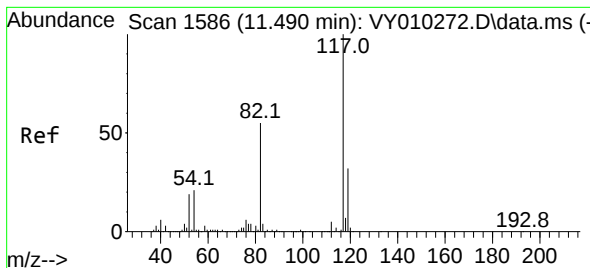
Tgt Ion: 98 Resp: 452067  
Ion Ratio Lower Upper  
98 100  
100 65.5 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 45.319 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY010375.D  
Acq: 07 Sep 2022 16:24

Tgt Ion: 95 Resp: 155613  
Ion Ratio Lower Upper  
95 100  
174 89.4 0.0 177.0  
176 85.5 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: VY010375.D

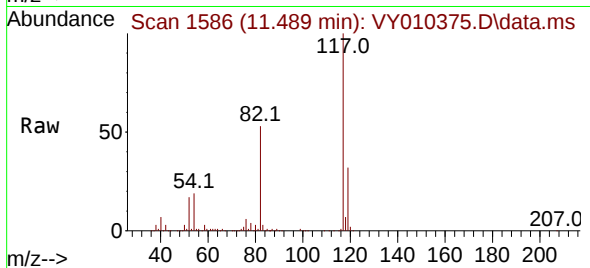
Acq: 07 Sep 2022 16:24

Instrument :

MSVOA\_Y

ClientSampleId :

BEACONPOINT-BF-VOC-09



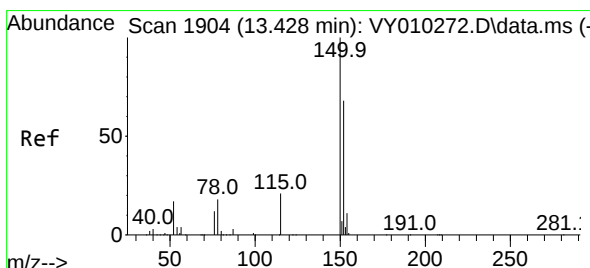
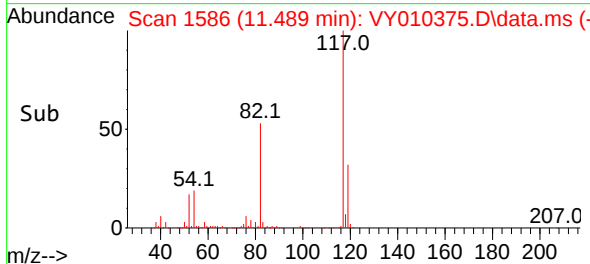
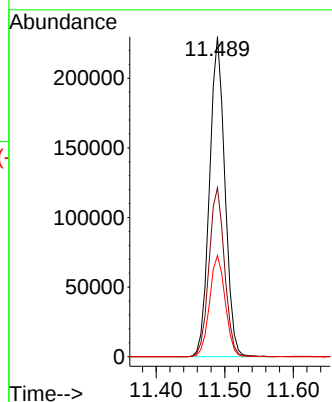
Tgt Ion:117 Resp: 358263

Ion Ratio Lower Upper

117 100

82 52.8 43.0 64.4

119 31.6 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: VY010375.D

Acq: 07 Sep 2022 16:24

Tgt Ion:152 Resp: 168757

Ion Ratio Lower Upper

152 100

115 56.7 28.2 84.7

150 156.8 0.0 347.6

