

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041323\  
 Data File : VY013305.D  
 Acq On : 13 Apr 2023 18:49  
 Operator : KP/MD  
 Sample : 02224-25  
 Misc : 4.96g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OU3-FC-BACKFILL-13

Quant Time: Apr 14 03:01:54 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041223S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 13 05:55:16 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.783  | 168   | 166890   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 286441   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.483 | 117   | 272206   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 130004   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.130  | 65    | 122269   | 60.963   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 121.920% |          |
| 35) Dibromofluoromethane    | 7.710  | 113   | 102338   | 55.187   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 110.380% |          |
| 50) Toluene-d8              | 10.173 | 98    | 351839   | 50.973   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 101.940% |          |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 110853   | 49.429   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 98.860%  |          |

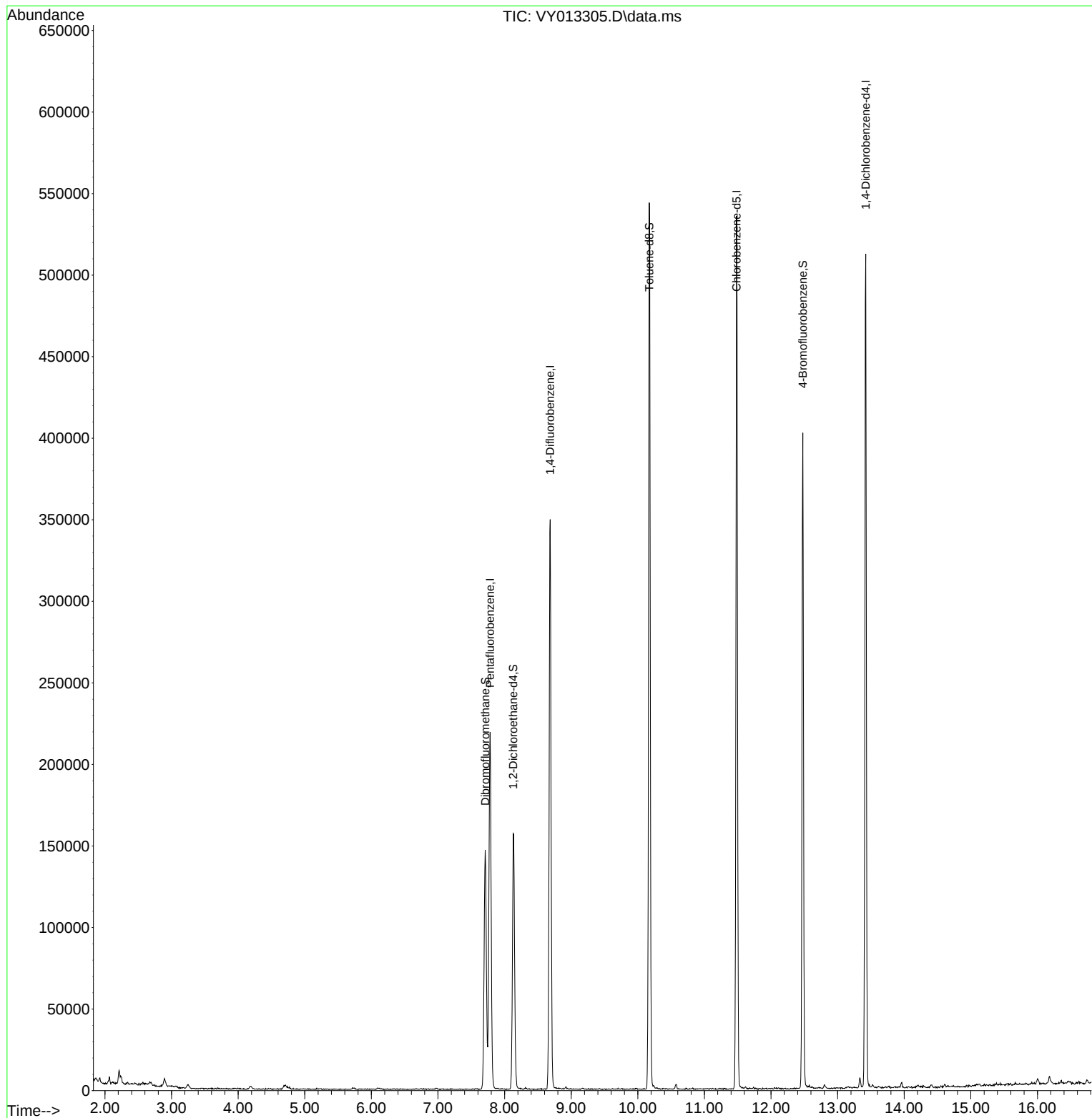
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

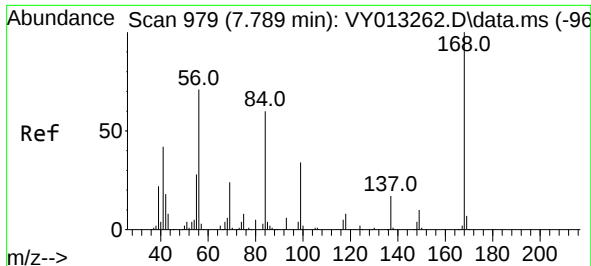
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Apr 13 05:55:16 2023  
Response via : Initial Calibration

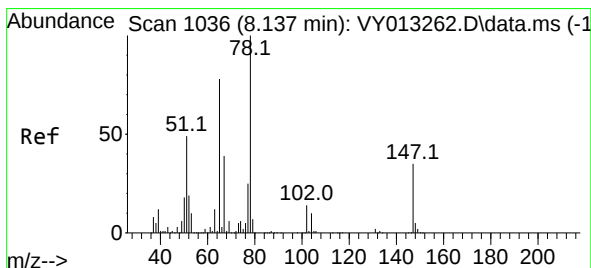
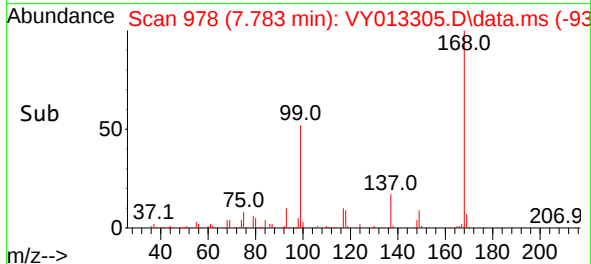
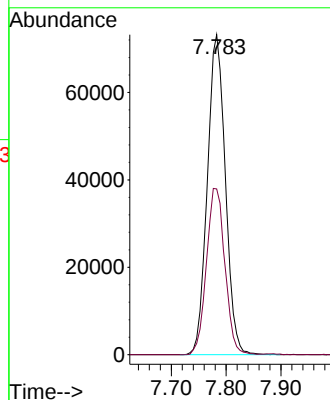
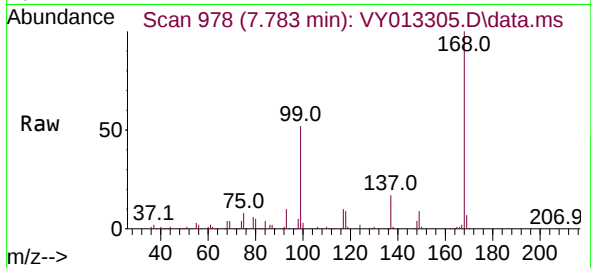




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY013305.D  
Acq: 13 Apr 2023 18:49

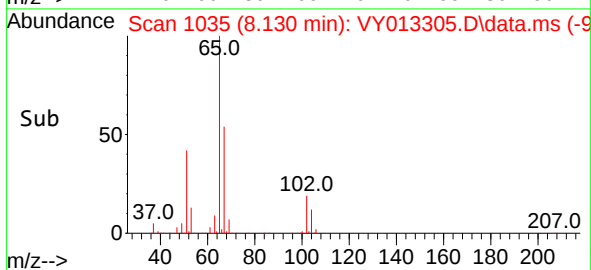
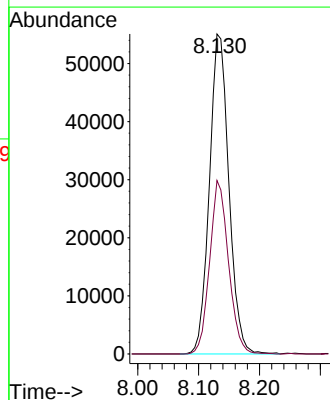
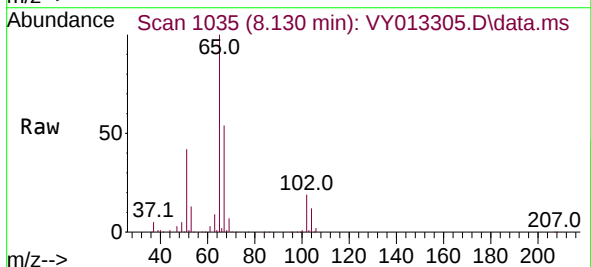
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU3-FC-BACKFILL-13

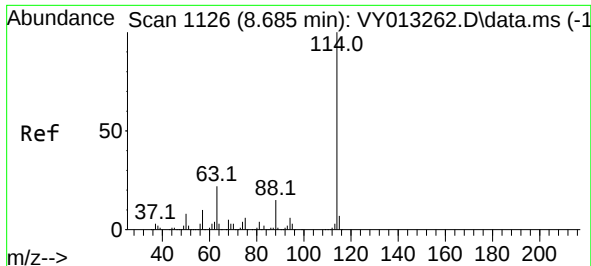
Tgt Ion:168 Resp: 166890  
Ion Ratio Lower Upper  
168 100  
99 51.8 41.7 62.5



#33  
1,2-Dichloroethane-d4  
Concen: 60.963 ug/l  
RT: 8.130 min Scan# 1035  
Delta R.T. -0.006 min  
Lab File: VY013305.D  
Acq: 13 Apr 2023 18:49

Tgt Ion: 65 Resp: 122269  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY013305.D

Acq: 13 Apr 2023 18:49

Instrument :

MSVOA\_Y

ClientSampleId :

OU3-FC-BACKFILL-13

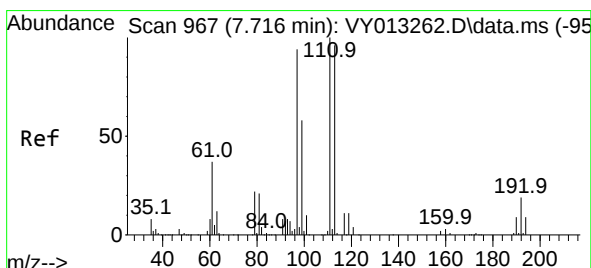
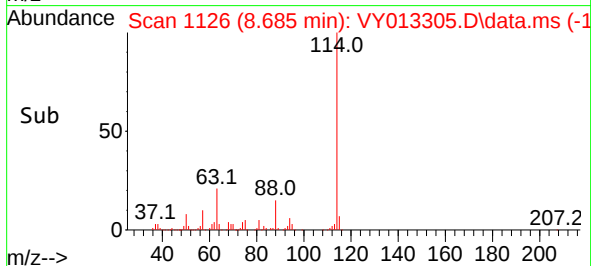
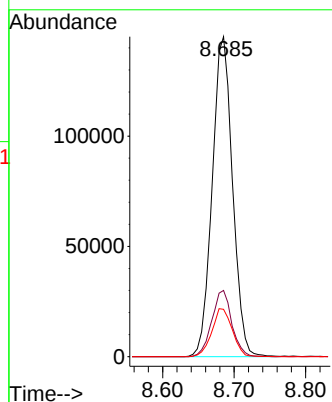
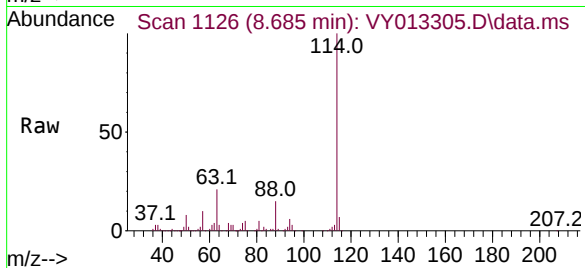
Tgt Ion:114 Resp: 286441

Ion Ratio Lower Upper

114 100

63 20.7 0.0 37.4

88 14.8 0.0 28.6



#35

Dibromofluoromethane

Concen: 55.187 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY013305.D

Acq: 13 Apr 2023 18:49

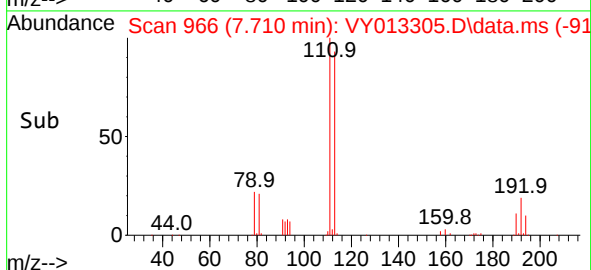
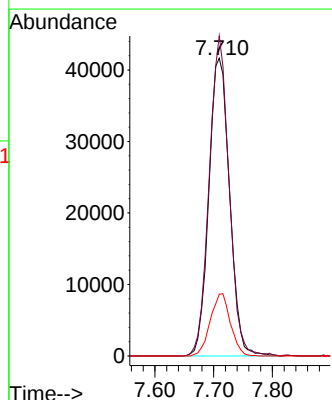
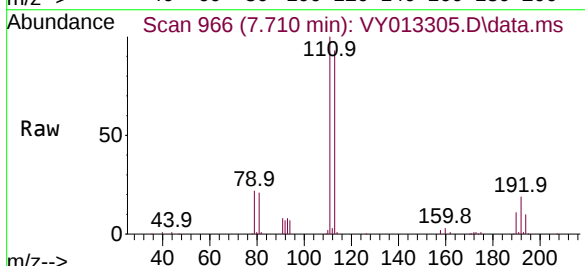
Tgt Ion:113 Resp: 102338

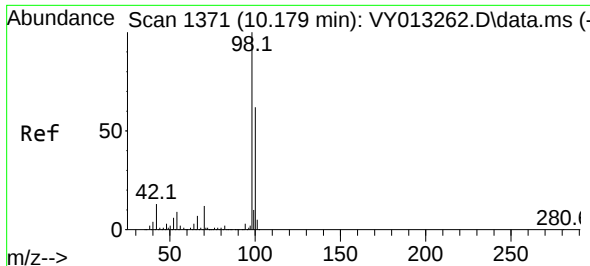
Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

192 20.2 16.8 25.2

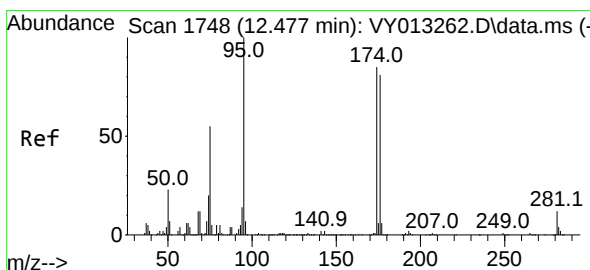
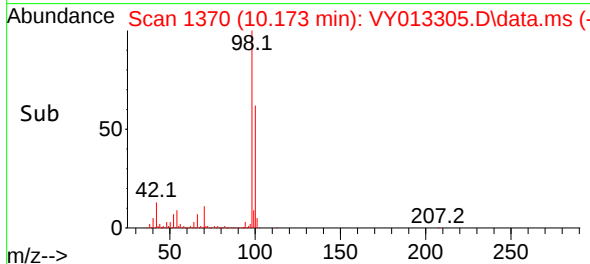
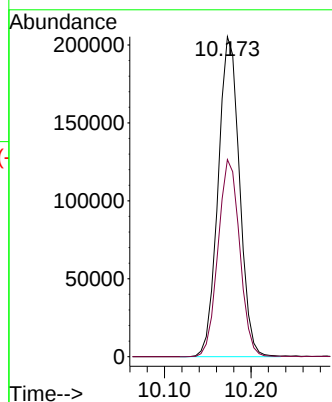
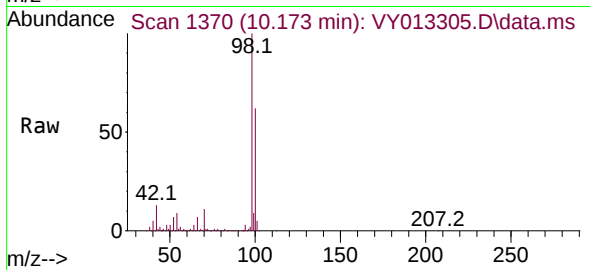




#50  
Toluene-d8  
Concen: 50.973 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY013305.D  
Acq: 13 Apr 2023 18:49

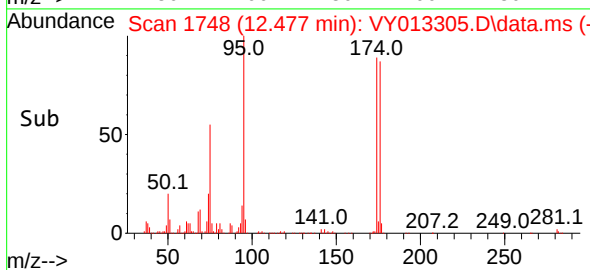
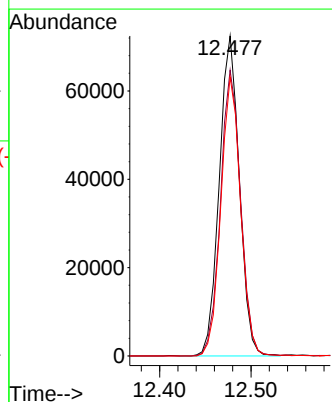
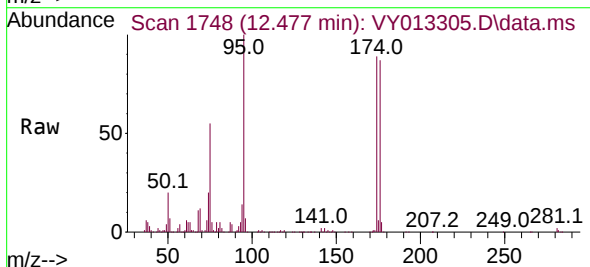
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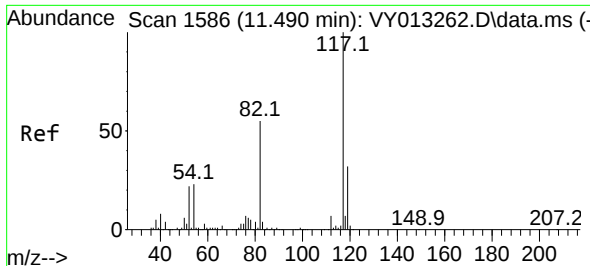
Tgt Ion: 98 Resp: 351839  
Ion Ratio Lower Upper  
98 100  
100 62.4 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 49.429 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.000 min  
Lab File: VY013305.D  
Acq: 13 Apr 2023 18:49

Tgt Ion: 95 Resp: 110853  
Ion Ratio Lower Upper  
95 100  
174 89.7 0.0 176.6  
176 85.8 0.0 170.2

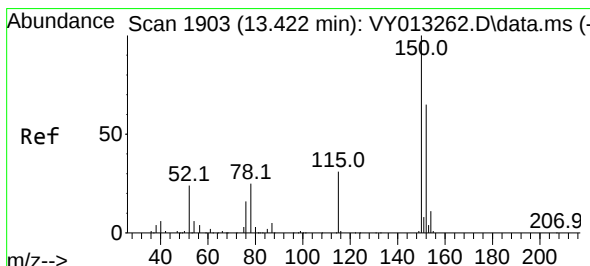
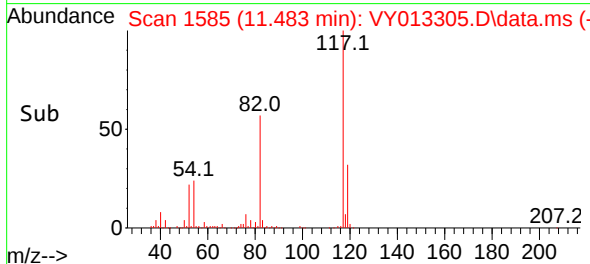
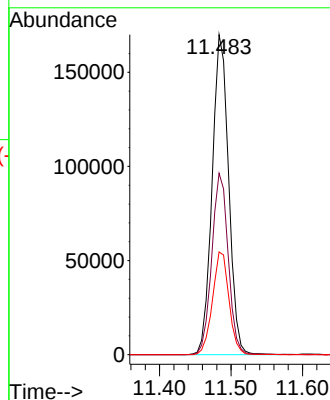
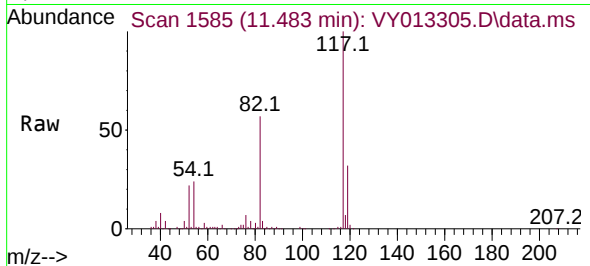




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.483 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY013305.D  
Acq: 13 Apr 2023 18:49

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU3-FC-BACKFILL-13

Tgt Ion:117 Resp: 272206  
Ion Ratio Lower Upper  
117 100  
82 56.7 45.4 68.0  
119 32.1 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: VY013305.D  
Acq: 13 Apr 2023 18:49

Tgt Ion:152 Resp: 130004  
Ion Ratio Lower Upper  
152 100  
115 56.3 27.1 81.3  
150 156.4 0.0 347.8

