

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060123\  
 Data File : VY013964.D  
 Acq On : 01 Jun 2023 15:18  
 Operator : KP/MD  
 Sample : VY0601SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0601SBL01

Quant Time: Jun 02 07:09:10 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060123S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 02 07:00:14 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 247371   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 403157   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.483 | 117  | 365389   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 171636   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.137  | 65    | 175252   | 53.518   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 107.040% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 135342   | 52.824   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 105.640% |
| 50) Toluene-d8              | 10.173 | 98    | 493423   | 50.489   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 100.980% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 160177   | 48.075   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 96.160%  |

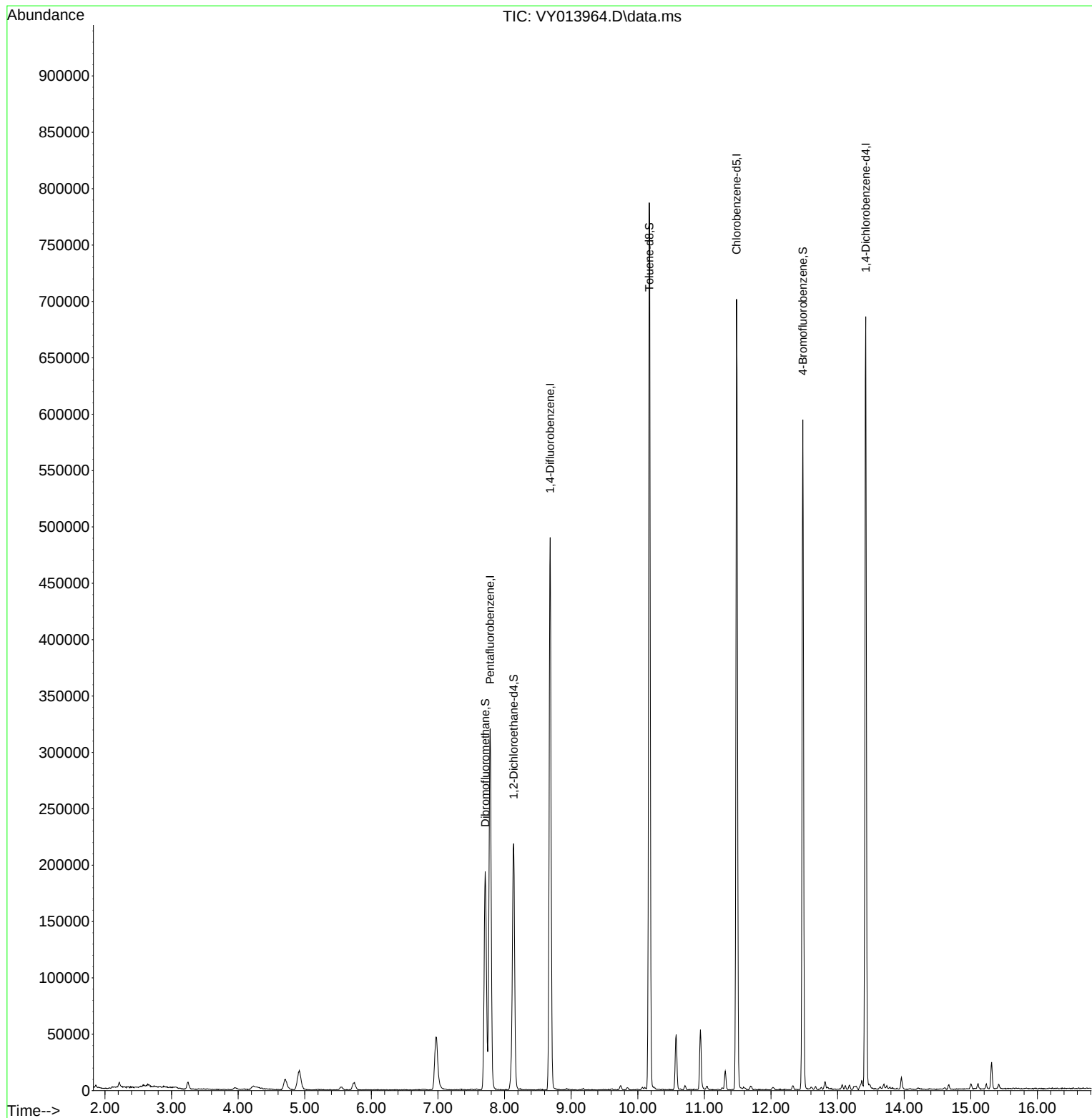
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

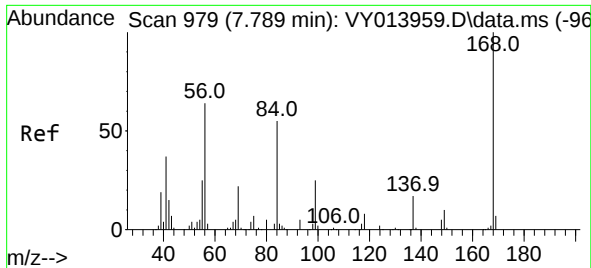
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060123S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 02 07:00:14 2023  
Response via : Initial Calibration

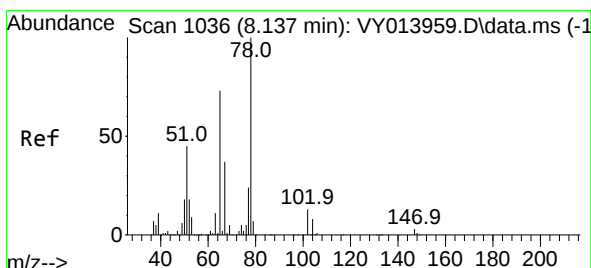
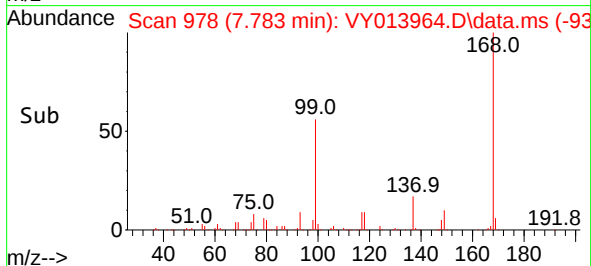
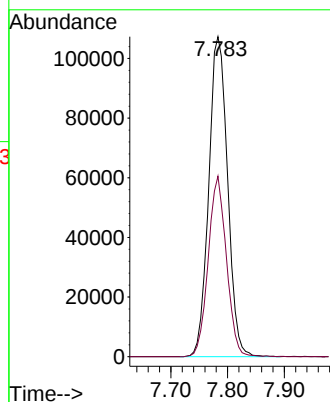
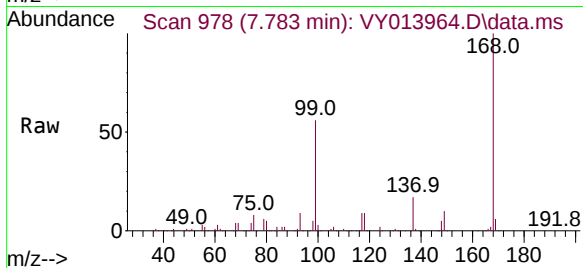




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY013964.D  
Acq: 01 Jun 2023 15:18

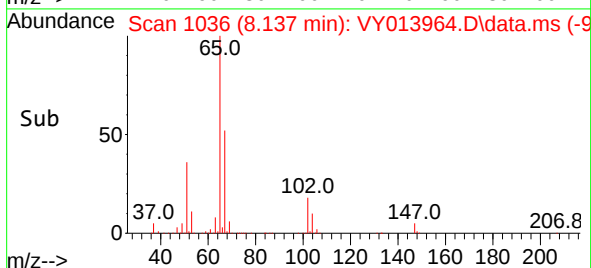
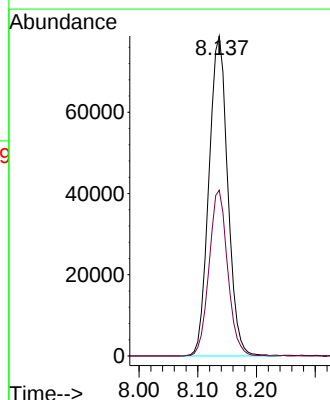
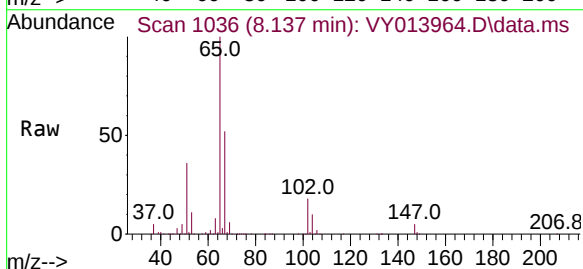
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0601SBL01

Tgt Ion:168 Resp: 247371  
Ion Ratio Lower Upper  
168 100  
99 56.4 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 53.518 ug/l  
RT: 8.137 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY013964.D  
Acq: 01 Jun 2023 15:18

Tgt Ion: 65 Resp: 175252  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 101.8

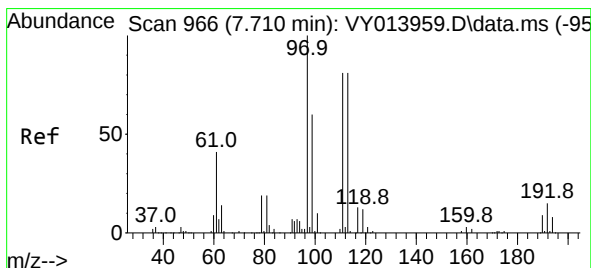
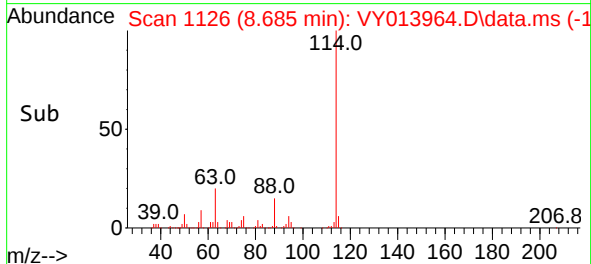
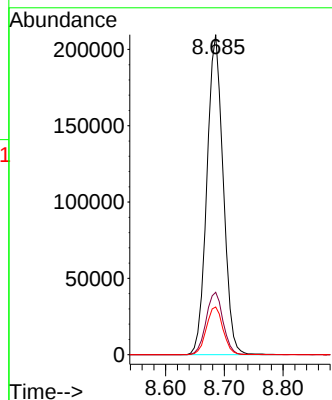
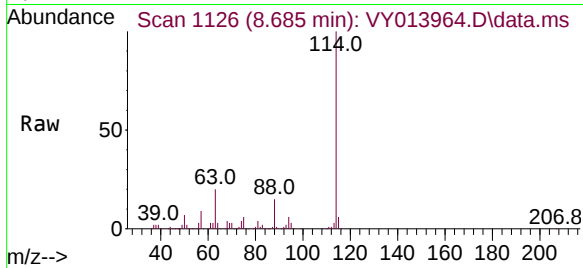




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VY013964.D  
Acq: 01 Jun 2023 15:18

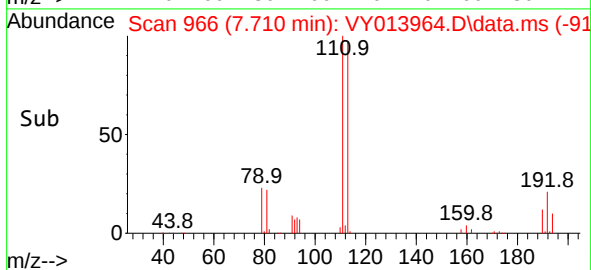
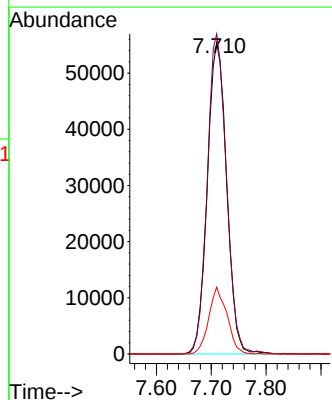
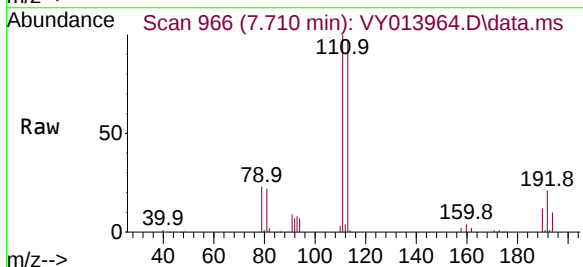
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0601SBL01

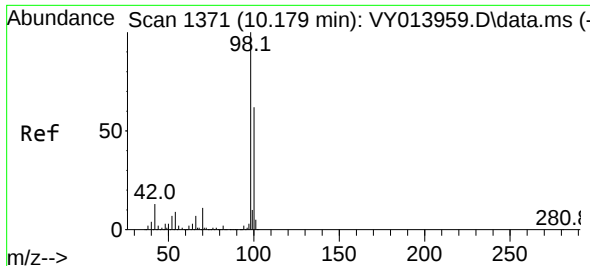
Tgt Ion:114 Resp: 403157  
Ion Ratio Lower Upper  
114 100  
63 19.5 0.0 42.4  
88 14.9 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 52.824 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. 0.000 min  
Lab File: VY013964.D  
Acq: 01 Jun 2023 15:18

Tgt Ion:113 Resp: 135342  
Ion Ratio Lower Upper  
113 100  
111 102.1 81.3 121.9  
192 20.3 16.9 25.3

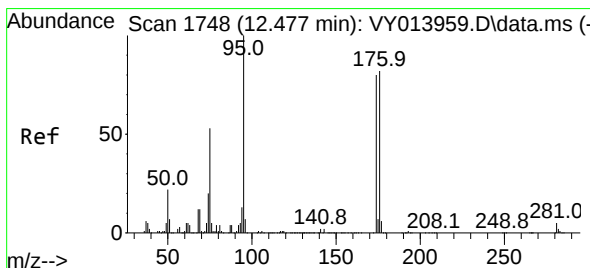
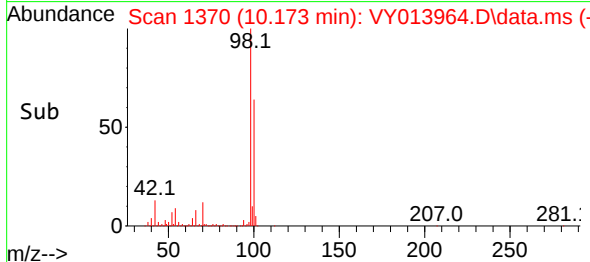
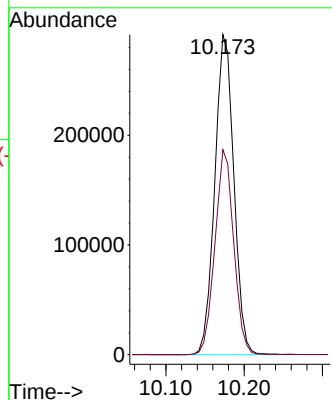
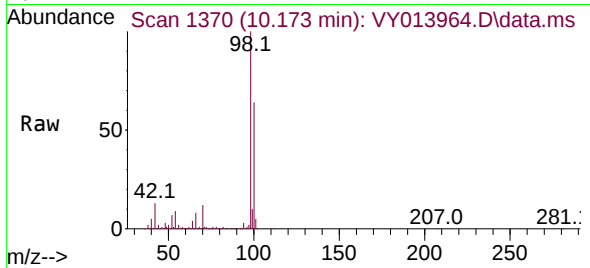




#50  
Toluene-d8  
Concen: 50.489 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY013964.D  
Acq: 01 Jun 2023 15:18

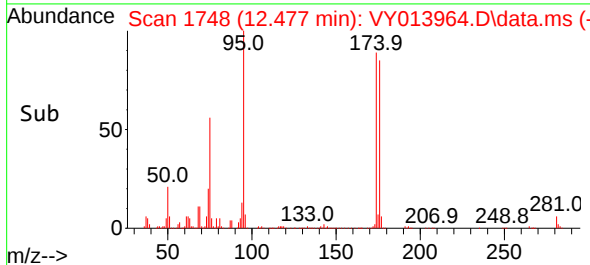
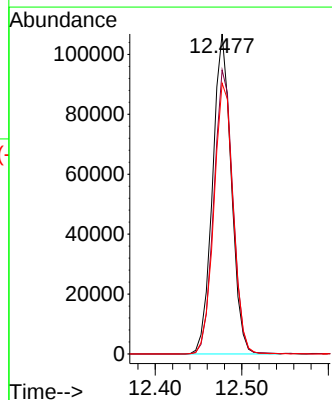
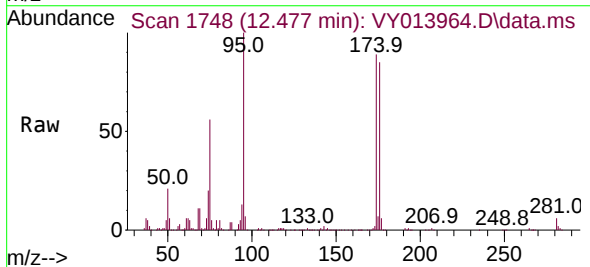
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0601SBL01

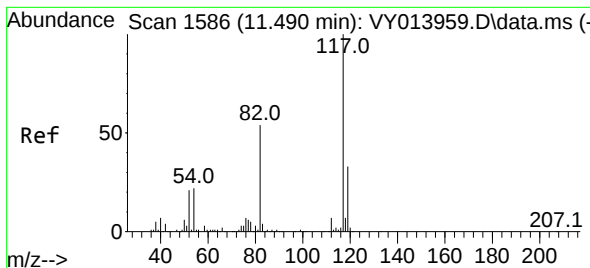
Tgt Ion: 98 Resp: 493423  
Ion Ratio Lower Upper  
98 100  
100 63.1 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 48.075 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY013964.D  
Acq: 01 Jun 2023 15:18

Tgt Ion: 95 Resp: 160177  
Ion Ratio Lower Upper  
95 100  
174 90.7 0.0 178.2  
176 87.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY013964.D

Acq: 01 Jun 2023 15:18

Instrument :

MSVOA\_Y

ClientSampleId :

VY0601SBL01

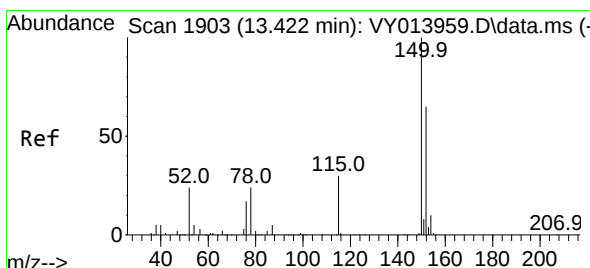
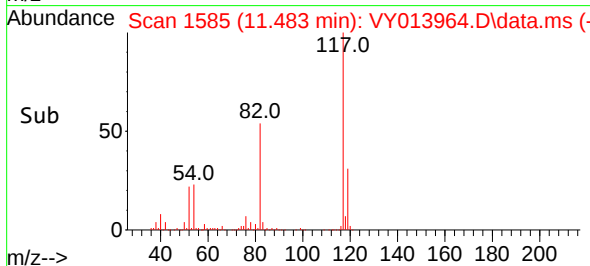
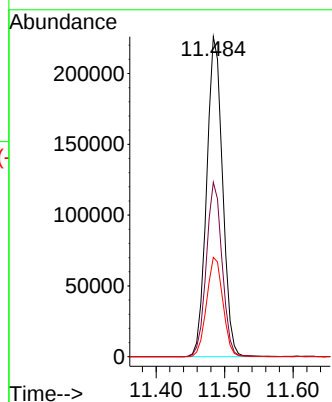
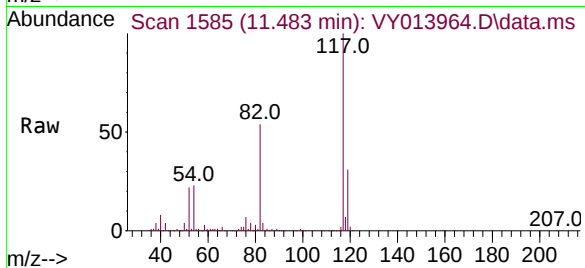
Tgt Ion:117 Resp: 365389

Ion Ratio Lower Upper

117 100

82 54.5 43.4 65.0

119 31.0 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013964.D

Acq: 01 Jun 2023 15:18

Tgt Ion:152 Resp: 171636

Ion Ratio Lower Upper

152 100

115 56.2 28.8 86.5

150 157.3 0.0 348.8

