

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061323\  
 Data File : VY014145.D  
 Acq On : 13 Jun 2023 17:26  
 Operator : KP/MD  
 Sample : 03167-01  
 Misc : 5.57g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-4-GA

Quant Time: Jun 14 01:37:57 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060923S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 09 18:07:13 2023  
 Response via : Initial Calibration

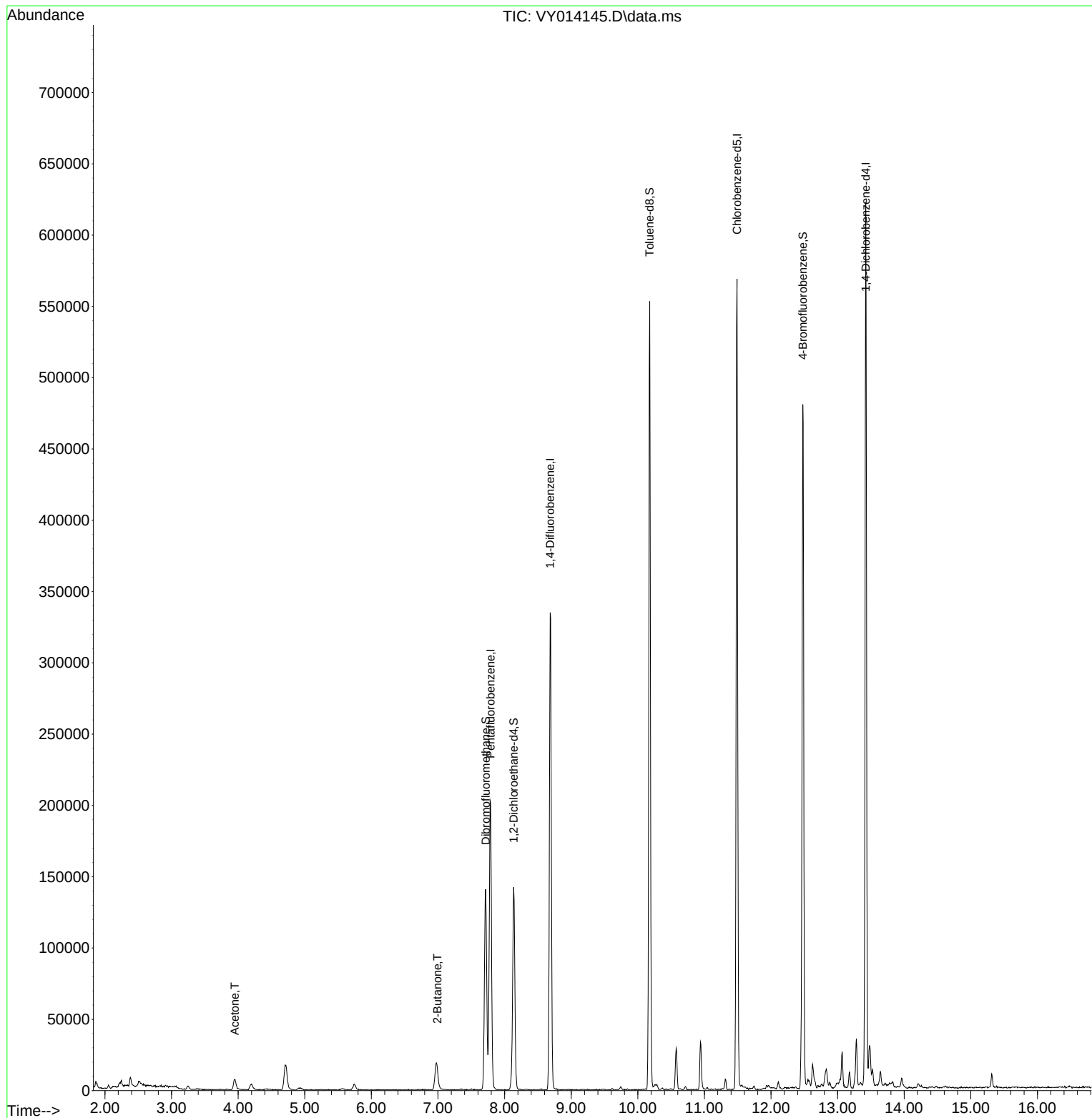
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 159691   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 280378   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 298279   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 153525   | 50.000   | ug/l  | 0.00     |
|                             |        |       |          |          |       |          |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 114360   | 51.427   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 102.860% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 96474    | 48.519   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 97.040%  |
| 50) Toluene-d8              | 10.179 | 98    | 351889   | 47.337   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 94.680%  |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 134180   | 50.813   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 101.620% |
|                             |        |       |          |          |       |          |
| Target Compounds            |        |       |          |          |       |          |
| 16) Acetone                 | 3.948  | 43    | 13673    | 20.398   | ug/l  | 98       |
| 25) 2-Butanone              | 6.990  | 43    | 7347     | 8.904    | ug/l  | 93       |
| -----                       |        |       |          |          |       |          |

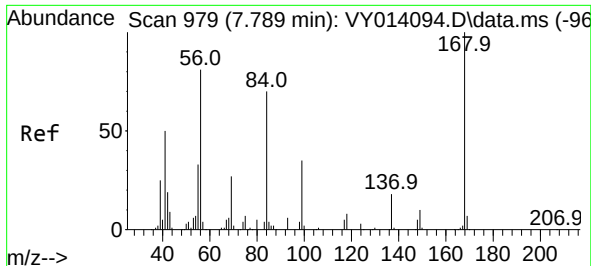
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Jun 09 18:07:13 2023  
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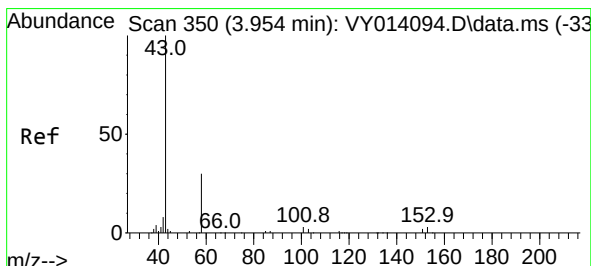
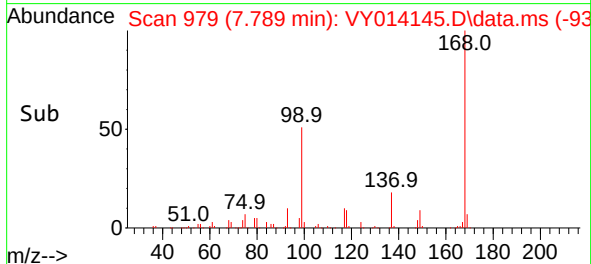
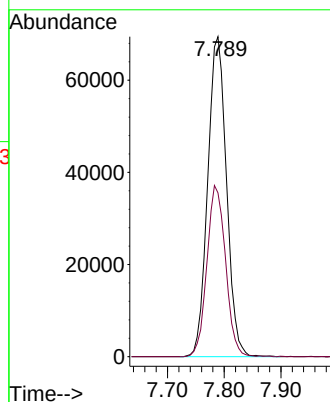
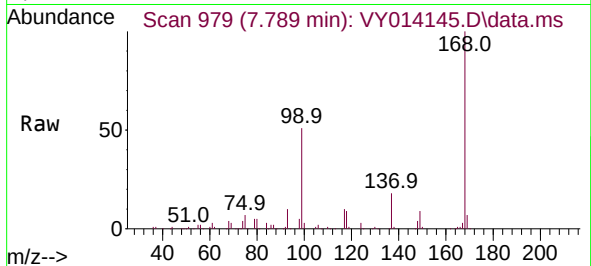




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY014145.D  
Acq: 13 Jun 2023 17:26

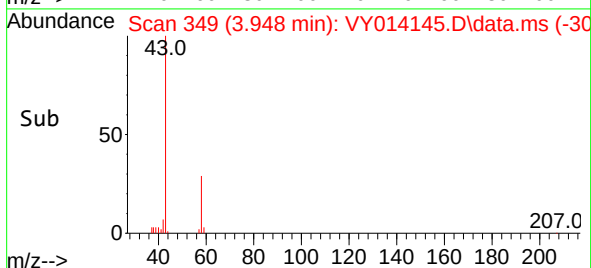
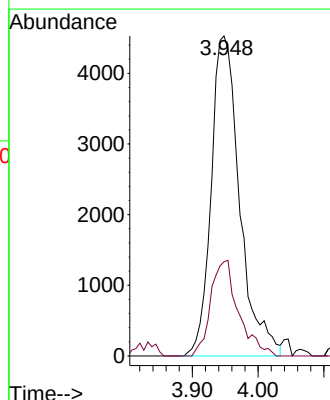
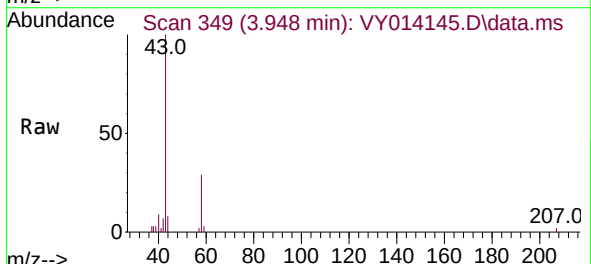
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-4-GA

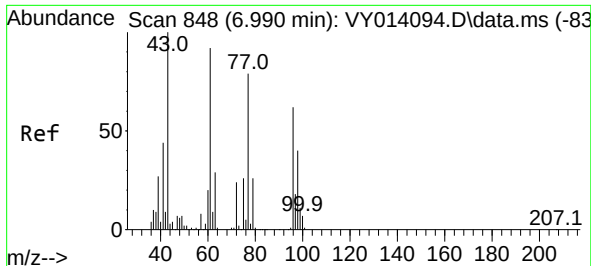
Tgt Ion:168 Resp: 159691  
Ion Ratio Lower Upper  
168 100  
99 51.2 43.4 65.0



#16  
Acetone  
Concen: 20.398 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. -0.006 min  
Lab File: VY014145.D  
Acq: 13 Jun 2023 17:26

Tgt Ion: 43 Resp: 13673  
Ion Ratio Lower Upper  
43 100  
58 29.4 22.7 34.1

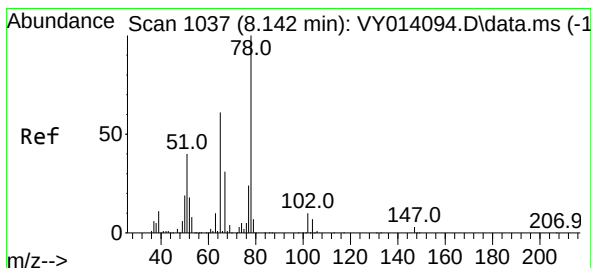
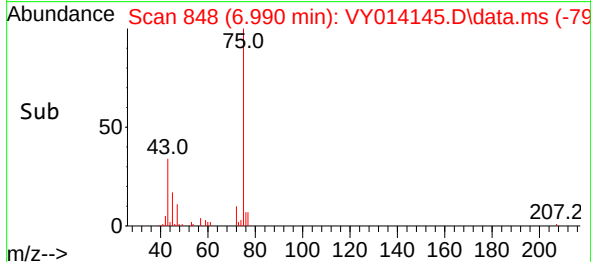
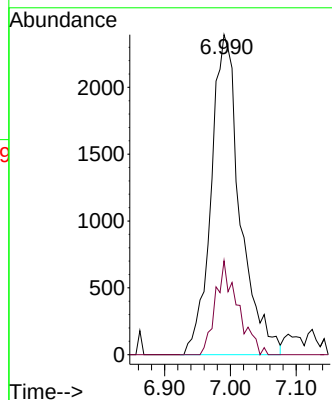
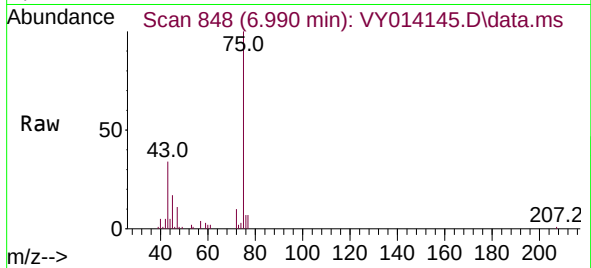




#25  
2-Butanone  
Concen: 8.904 ug/l  
RT: 6.990 min Scan# 848  
Delta R.T. 0.000 min  
Lab File: VY014145.D  
Acq: 13 Jun 2023 17:26

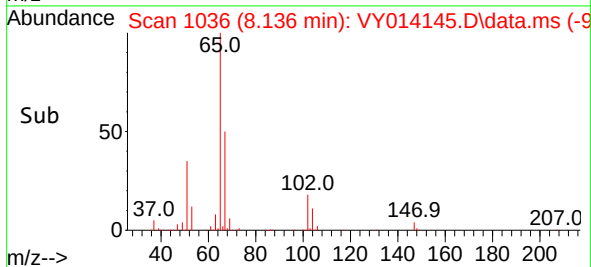
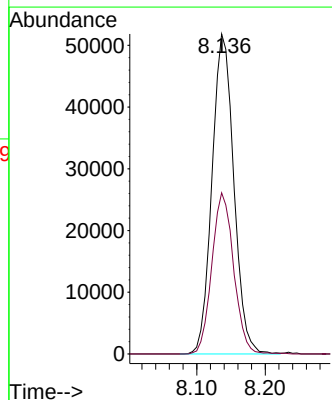
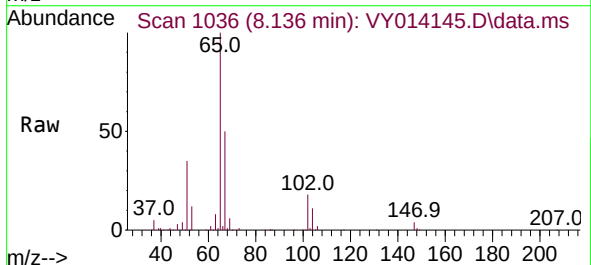
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-4-GA

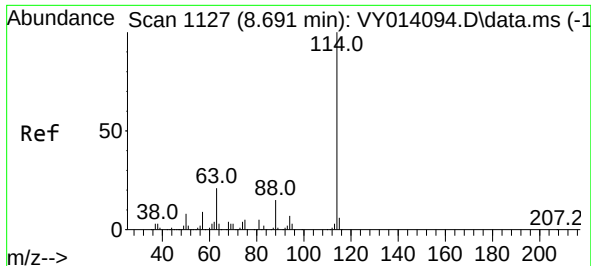
Tgt Ion: 43 Resp: 7347  
Ion Ratio Lower Upper  
43 100  
72 29.4 20.5 30.7



#33  
1,2-Dichloroethane-d4  
Concen: 51.427 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VY014145.D  
Acq: 13 Jun 2023 17:26

Tgt Ion: 65 Resp: 114360  
Ion Ratio Lower Upper  
65 100  
67 50.4 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014145.D

Acq: 13 Jun 2023 17:26

Instrument :

MSVOA\_Y

ClientSampleId :

TP-4-GA

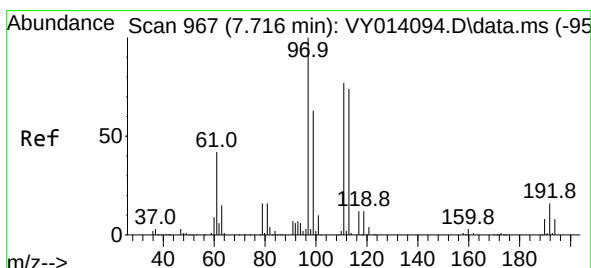
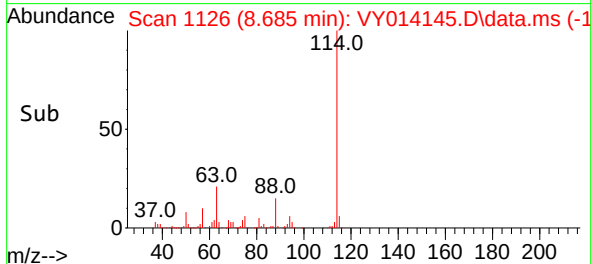
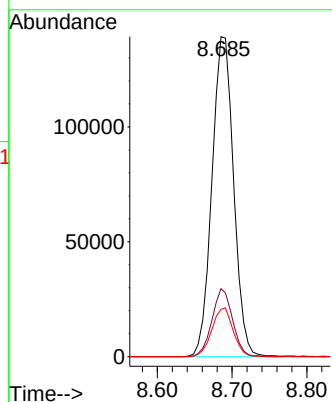
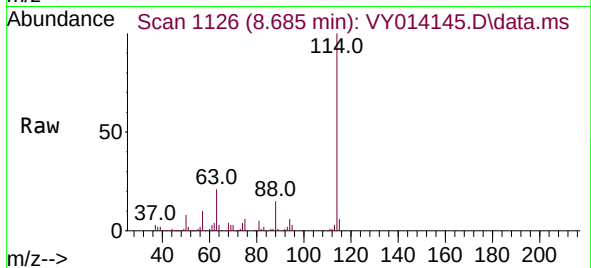
Tgt Ion:114 Resp: 280378

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.4

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.519 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014145.D

Acq: 13 Jun 2023 17:26

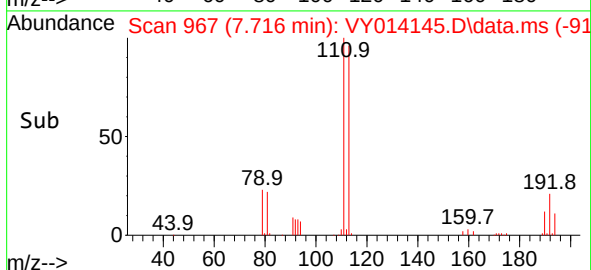
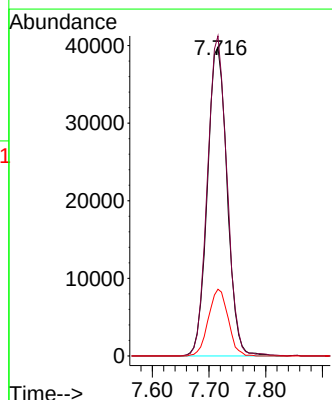
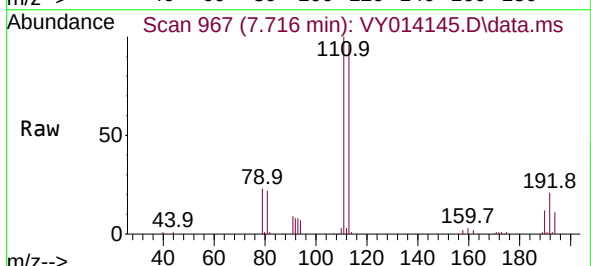
Tgt Ion:113 Resp: 96474

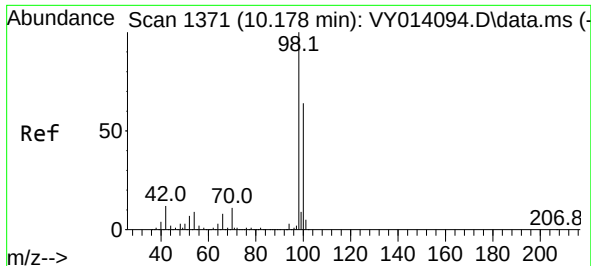
Ion Ratio Lower Upper

113 100

111 102.7 81.3 121.9

192 21.5 16.9 25.3

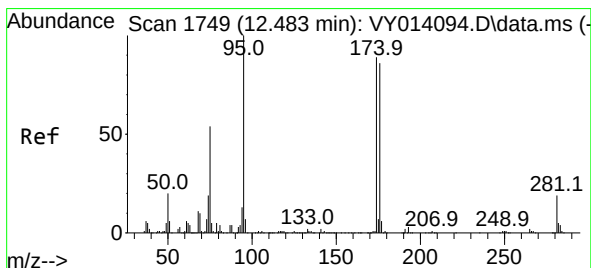
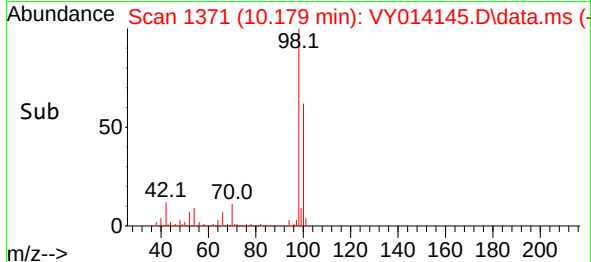
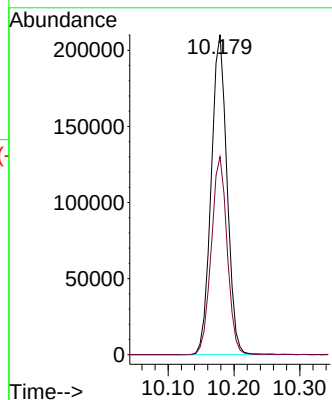
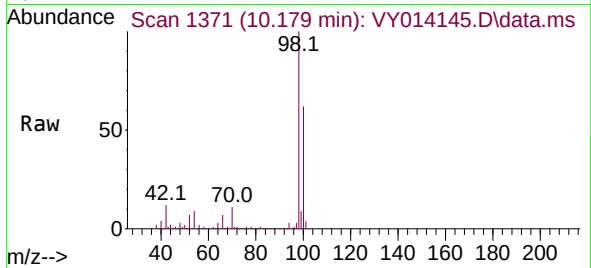




#50  
Toluene-d8  
Concen: 47.337 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY014145.D  
Acq: 13 Jun 2023 17:26

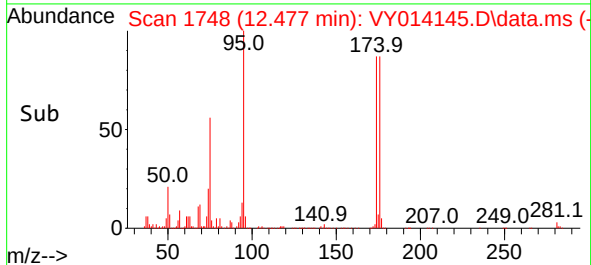
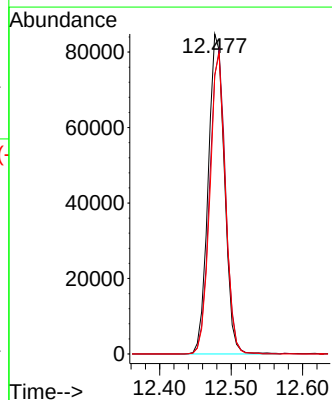
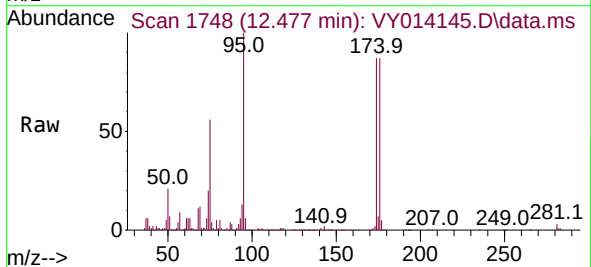
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-4-GA

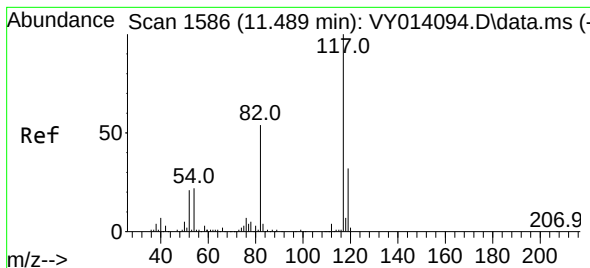
Tgt Ion: 98 Resp: 351889  
Ion Ratio Lower Upper  
98 100  
100 62.0 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 50.813 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY014145.D  
Acq: 13 Jun 2023 17:26

Tgt Ion: 95 Resp: 134180  
Ion Ratio Lower Upper  
95 100  
174 92.6 0.0 178.2  
176 89.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014145.D

Acq: 13 Jun 2023 17:26

Instrument :

MSVOA\_Y

ClientSampleId :

TP-4-GA

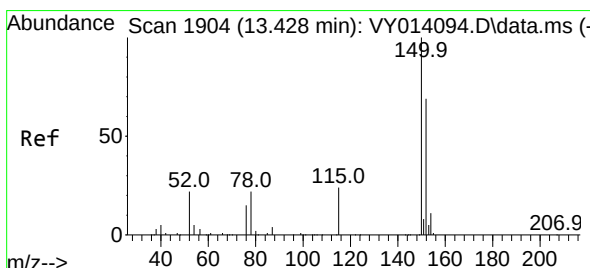
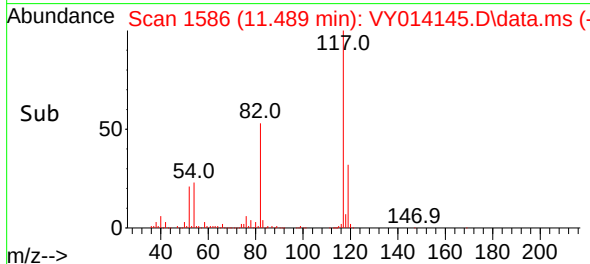
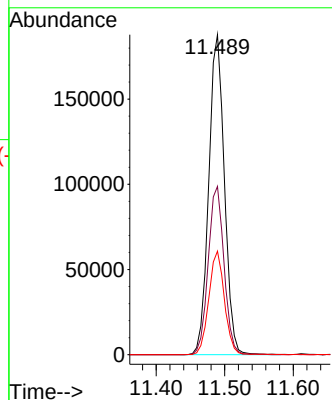
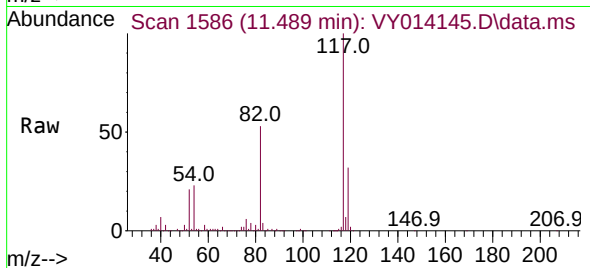
Tgt Ion:117 Resp: 298279

Ion Ratio Lower Upper

117 100

82 52.6 43.4 65.0

119 32.3 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014145.D

Acq: 13 Jun 2023 17:26

Tgt Ion:152 Resp: 153525

Ion Ratio Lower Upper

152 100

115 56.8 28.8 86.5

150 157.0 0.0 348.8

