

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100924\  
 Data File : VY019839.D  
 Acq On : 09 Oct 2024 17:51  
 Operator : SY/MD  
 Sample : P4353-02  
 Misc : 3.21g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CF-400-VOC-43

Quant Time: Oct 10 05:41:07 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 10 05:30:07 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 334359   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 665105   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 588854   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152  | 209283   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 211622   | 51.403   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 102.800% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 212759   | 48.476   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 96.960%  |
| 50) Toluene-d8              | 10.109 | 98    | 800868   | 49.412   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 98.820%  |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 249741   | 42.644   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 85.280%  |

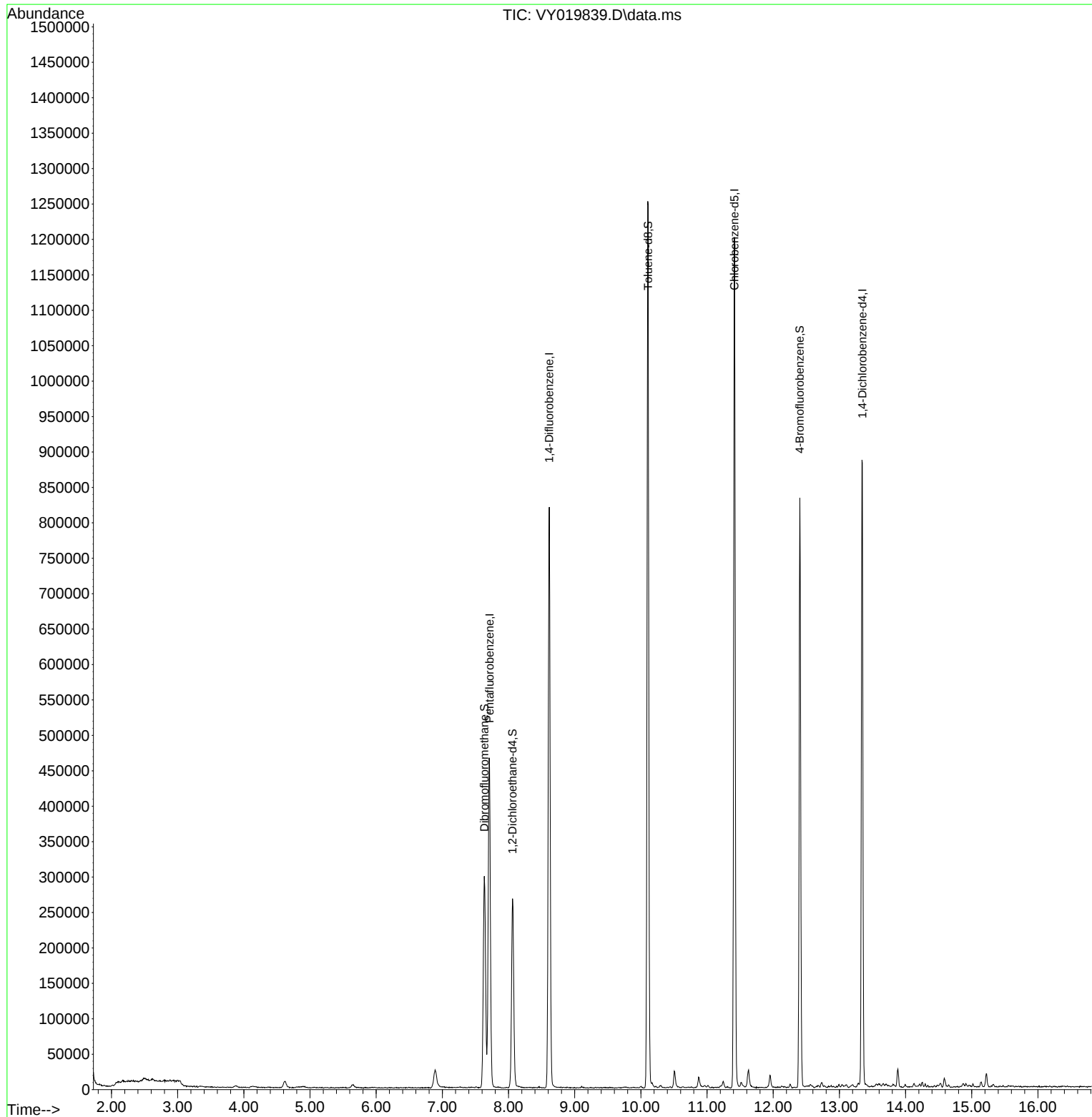
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100924\  
Data File : VY019839.D  
Acq On : 09 Oct 2024 17:51  
Operator : SY/MD  
Sample : P4353-02  
Misc : 3.21g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
CF-400-VOC-43

Quant Time: Oct 10 05:41:07 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 10 05:30:07 2024  
Response via : Initial Calibration

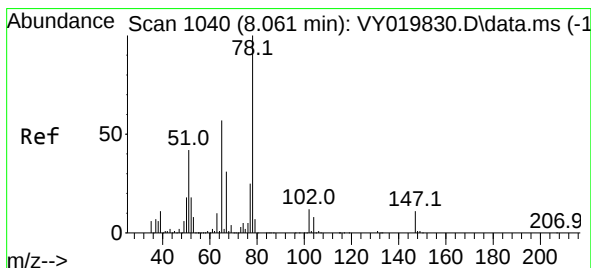
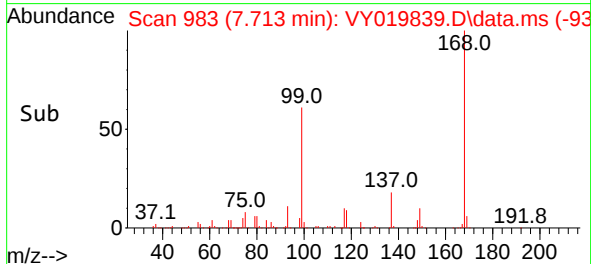
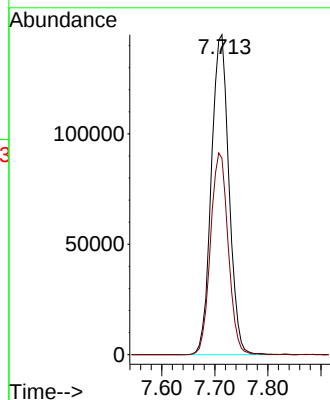
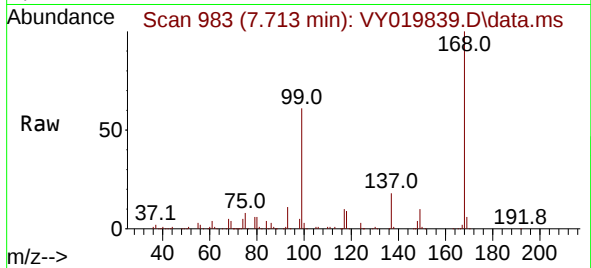




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY019839.D  
Acq: 09 Oct 2024 17:51

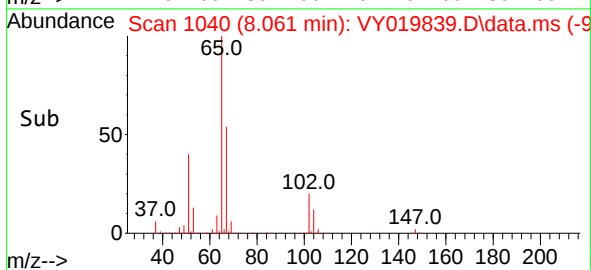
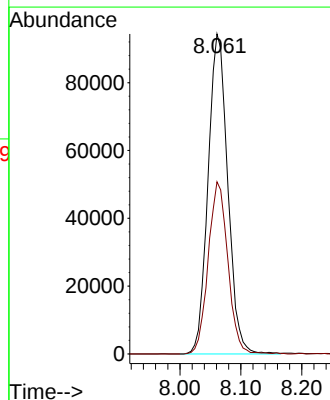
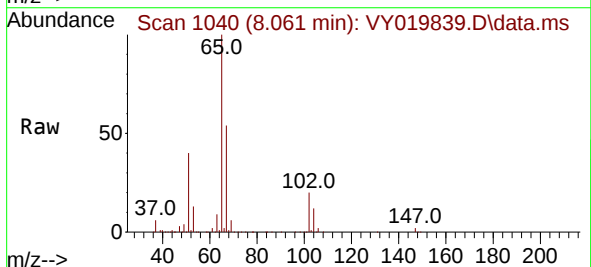
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CF-400-VOC-43

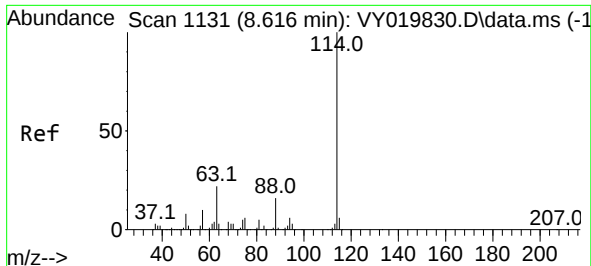
Tgt Ion:168 Resp: 334359  
Ion Ratio Lower Upper  
168 100  
99 61.4 52.6 78.8



#33  
1,2-Dichloroethane-d4  
Concen: 51.403 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY019839.D  
Acq: 09 Oct 2024 17:51

Tgt Ion: 65 Resp: 211622  
Ion Ratio Lower Upper  
65 100  
67 53.6 0.0 105.0

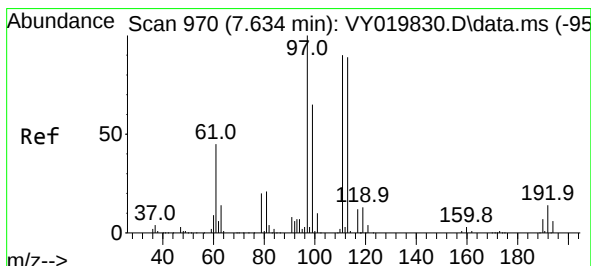
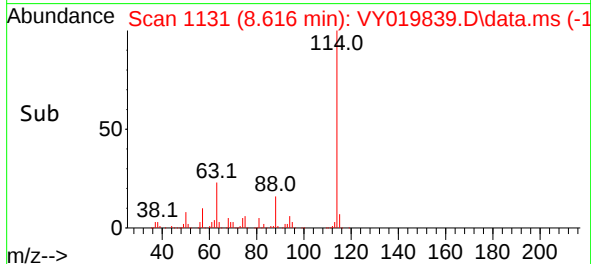
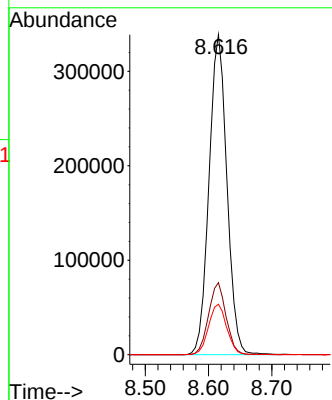
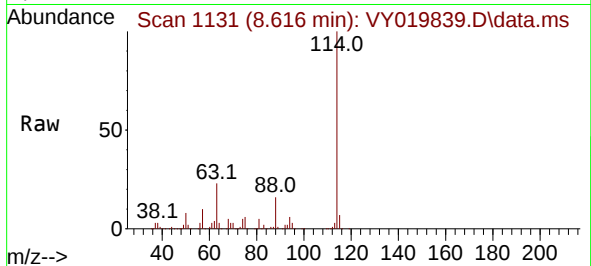




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VY019839.D  
Acq: 09 Oct 2024 17:51

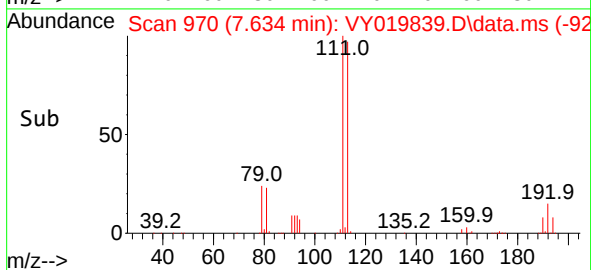
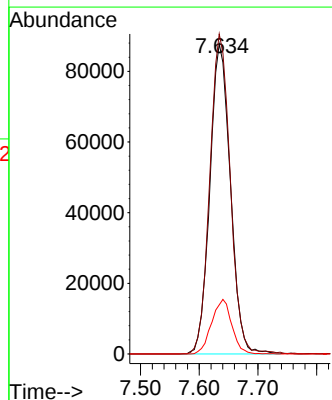
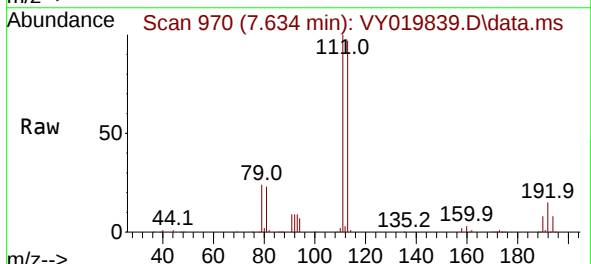
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CF-400-VOC-43

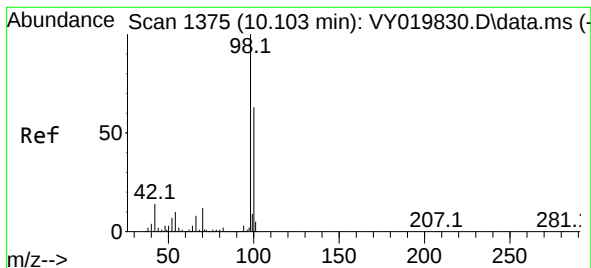
Tgt Ion:114 Resp: 665105  
Ion Ratio Lower Upper  
114 100  
63 22.5 0.0 43.8  
88 15.8 0.0 32.0



#35  
Dibromofluoromethane  
Concen: 48.476 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.000 min  
Lab File: VY019839.D  
Acq: 09 Oct 2024 17:51

Tgt Ion:113 Resp: 212759  
Ion Ratio Lower Upper  
113 100  
111 103.1 82.9 124.3  
192 17.3 13.6 20.4

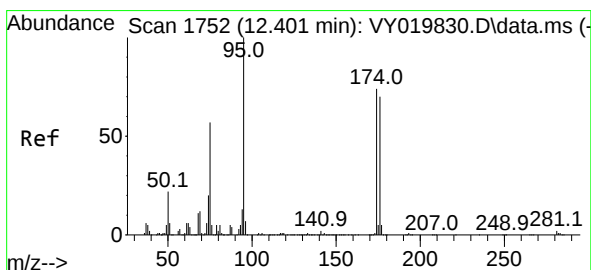
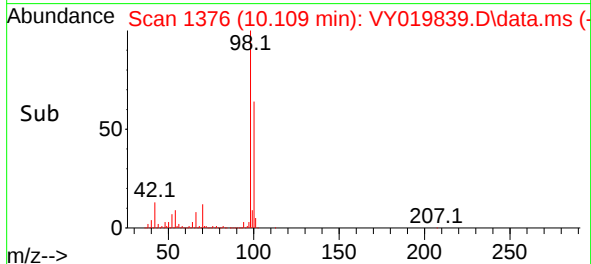
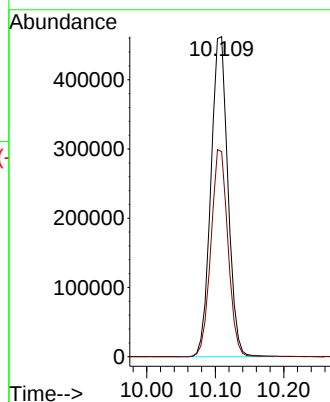
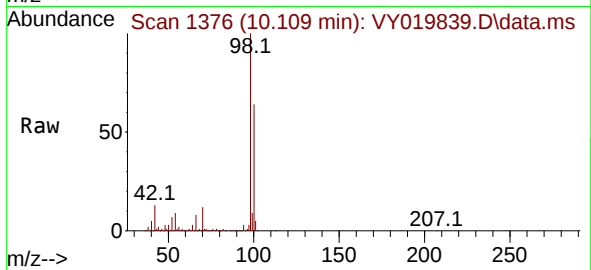




#50  
Toluene-d8  
Concen: 49.412 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.006 min  
Lab File: VY019839.D  
Acq: 09 Oct 2024 17:51

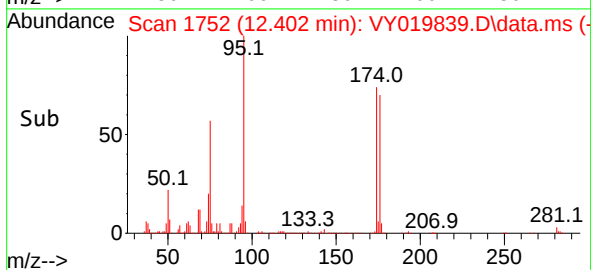
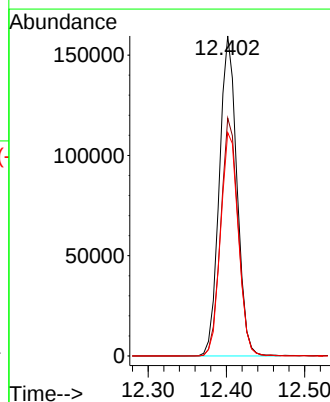
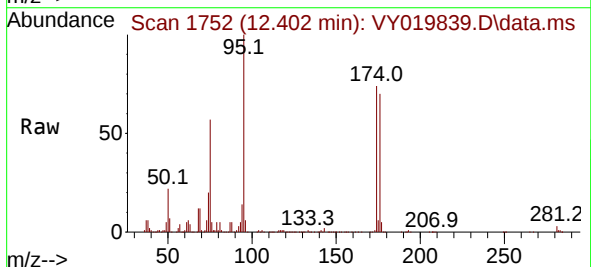
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CF-400-VOC-43

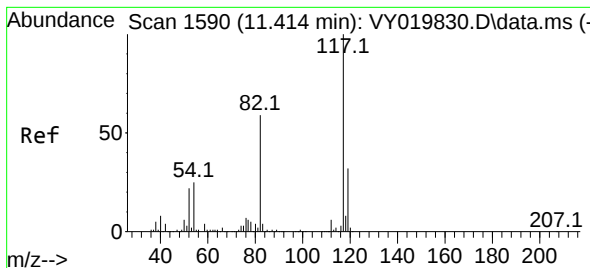
Tgt Ion: 98 Resp: 800868  
Ion Ratio Lower Upper  
98 100  
100 64.9 51.1 76.7



#62  
4-Bromofluorobenzene  
Concen: 42.644 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. 0.000 min  
Lab File: VY019839.D  
Acq: 09 Oct 2024 17:51

Tgt Ion: 95 Resp: 249741  
Ion Ratio Lower Upper  
95 100  
174 73.7 0.0 148.0  
176 70.6 0.0 142.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019839.D

Acq: 09 Oct 2024 17:51

Instrument :

MSVOA\_Y

ClientSampleId :

CF-400-VOC-43

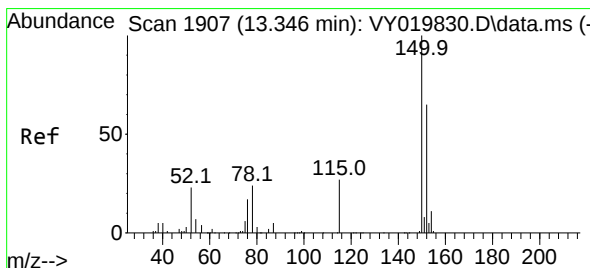
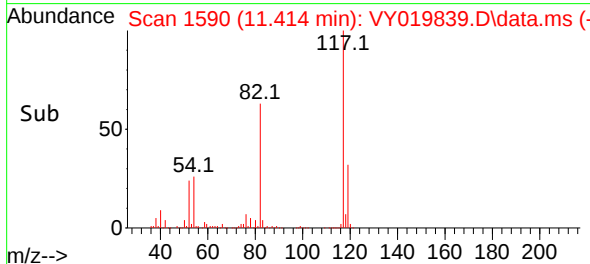
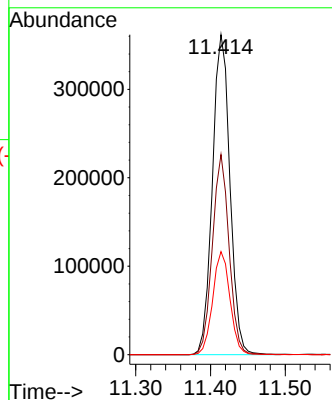
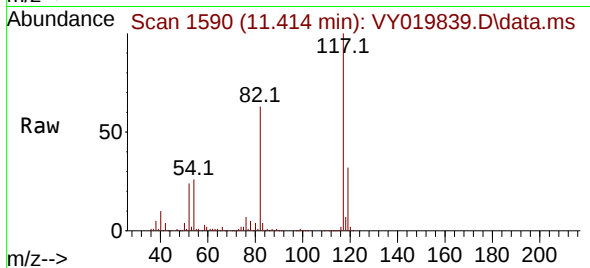
Tgt Ion:117 Resp: 588854

Ion Ratio Lower Upper

117 100

82 62.6 46.9 70.3

119 32.2 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019839.D

Acq: 09 Oct 2024 17:51

Tgt Ion:152 Resp: 209283

Ion Ratio Lower Upper

152 100

115 62.4 30.8 92.3

150 158.7 0.0 352.8

