

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102924\  
 Data File : VY020059.D  
 Acq On : 29 Oct 2024 14:25  
 Operator : SY/MD  
 Sample : P4598-03  
 Misc : 5.34g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 BP-F12-VOC

Quant Time: Oct 30 01:24:37 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 16 05:44:48 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 176364   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 371938   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 348660   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 123953   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 129702   | 59.728   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 119.460% |
| 35) Dibromofluoromethane    | 7.640  | 113   | 124971   | 50.918   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 101.840% |
| 50) Toluene-d8              | 10.109 | 98    | 466714   | 51.493   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 102.980% |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 143800   | 43.909   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 87.820%  |

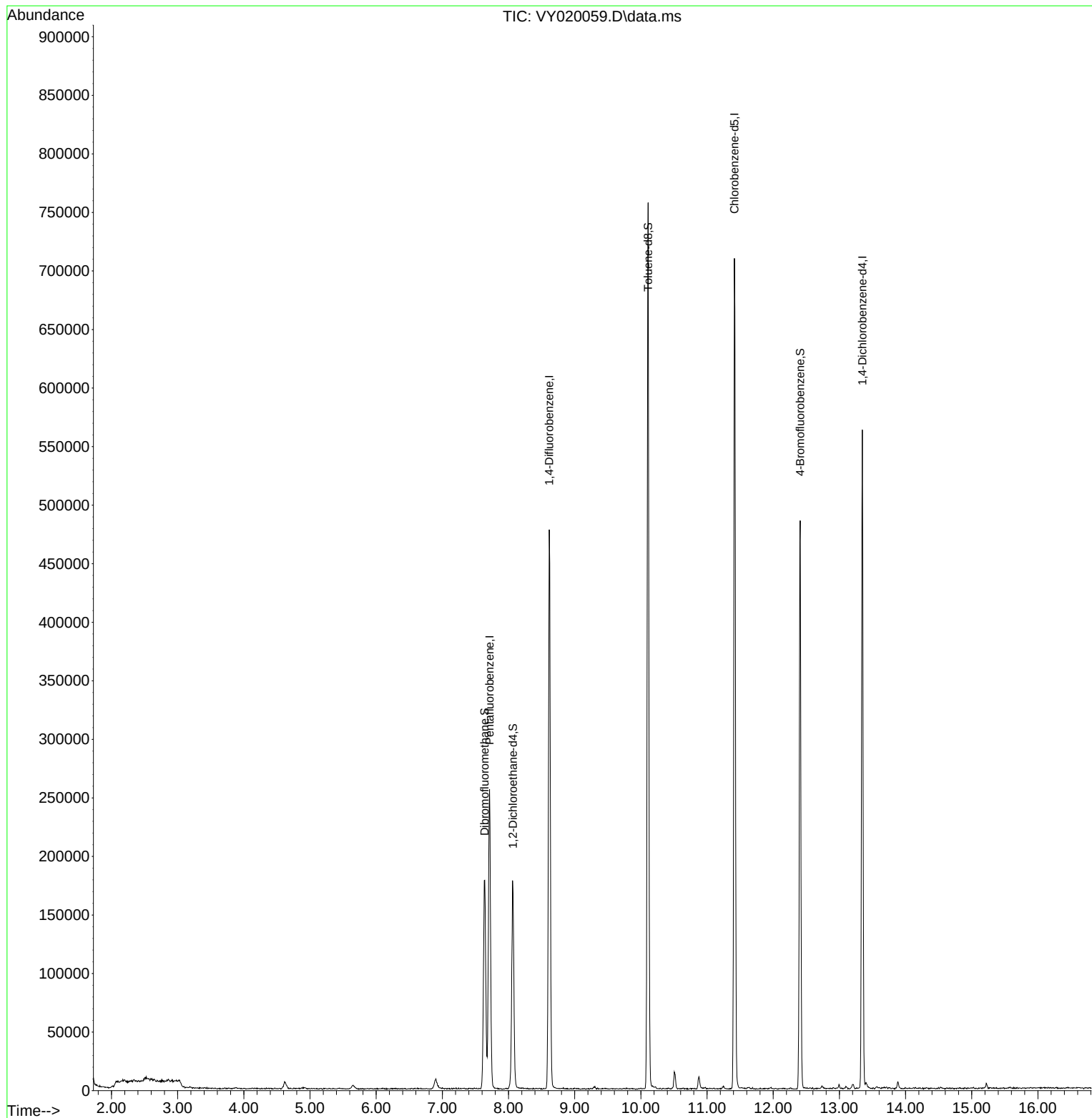
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

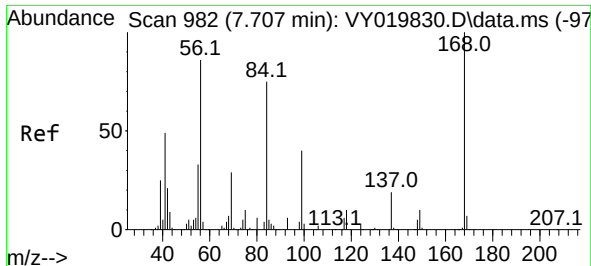
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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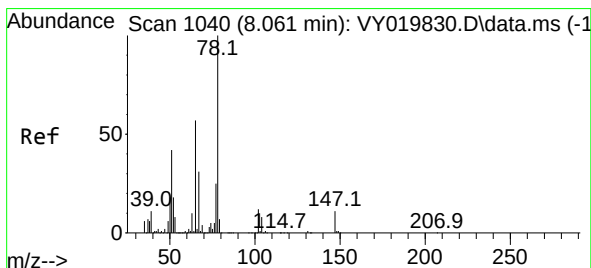
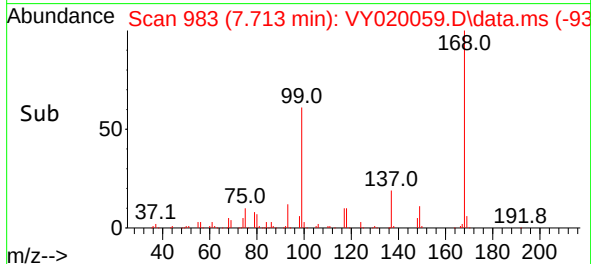
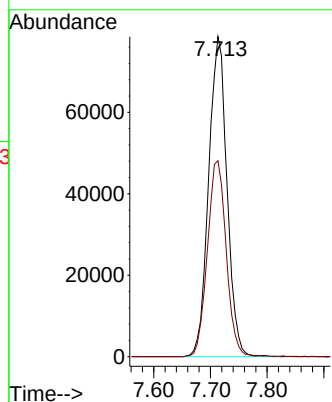
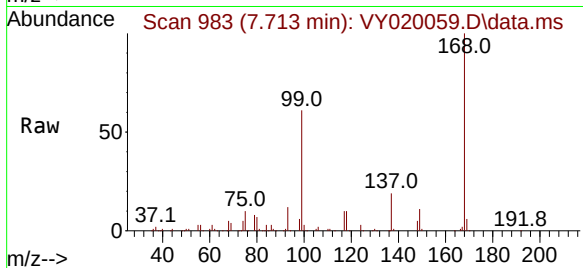




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY020059.D  
Acq: 29 Oct 2024 14:25

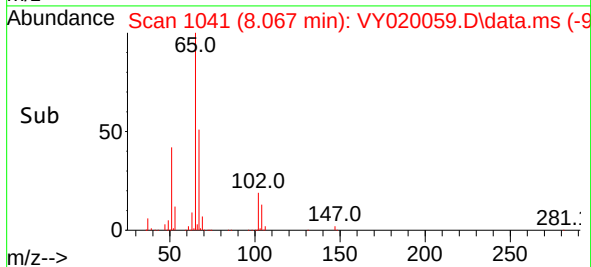
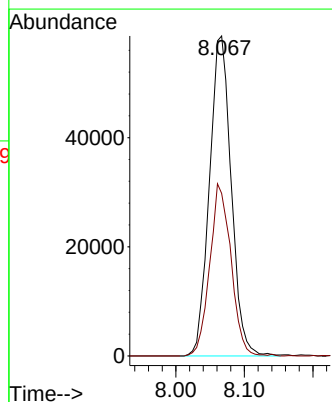
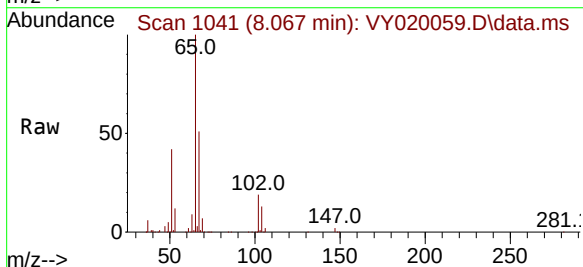
Instrument :  
MSVOA\_Y  
ClientSampleId :  
BP-F12-VOC

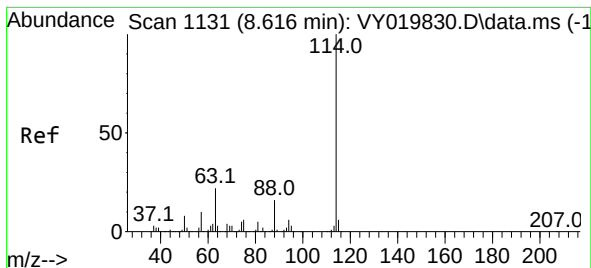
Tgt Ion:168 Resp: 176364  
Ion Ratio Lower Upper  
168 100  
99 61.3 39.1 58.7#



#33  
1,2-Dichloroethane-d4  
Concen: 59.728 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. 0.006 min  
Lab File: VY020059.D  
Acq: 29 Oct 2024 14:25

Tgt Ion: 65 Resp: 129702  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY020059.D

Acq: 29 Oct 2024 14:25

Instrument :

MSVOA\_Y

ClientSampleId :

BP-F12-VOC

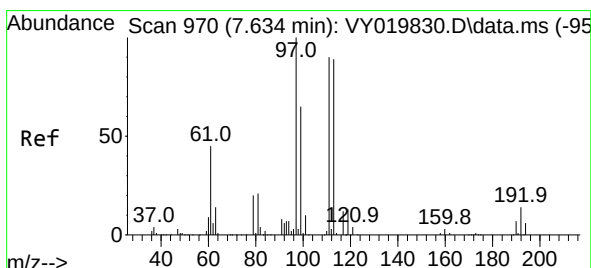
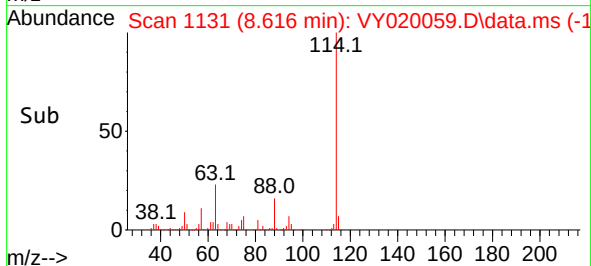
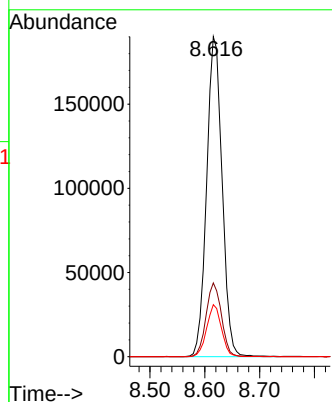
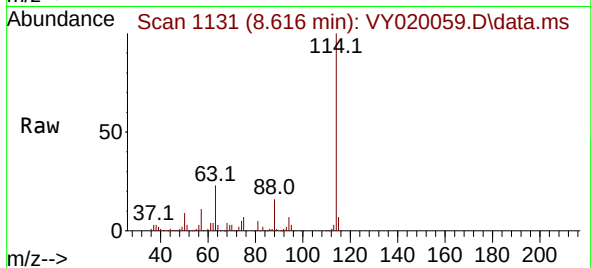
Tgt Ion:114 Resp: 371938

Ion Ratio Lower Upper

114 100

63 23.1 0.0 35.0

88 16.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 50.918 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY020059.D

Acq: 29 Oct 2024 14:25

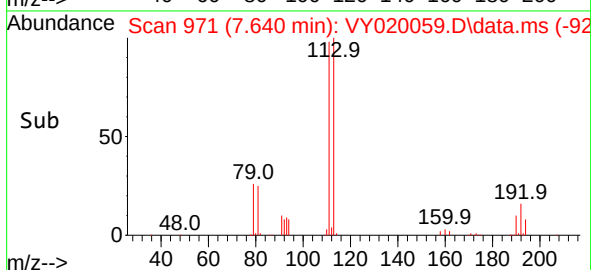
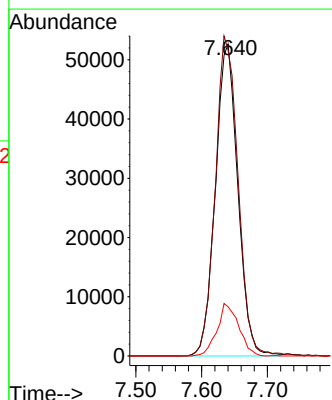
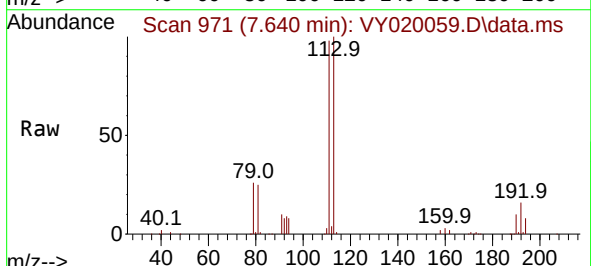
Tgt Ion:113 Resp: 124971

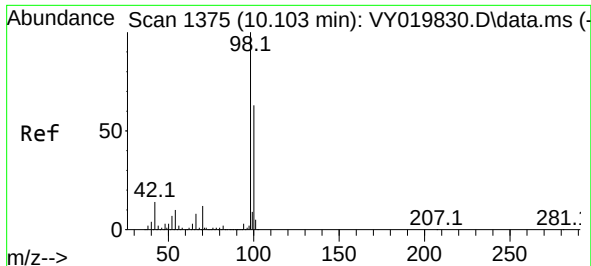
Ion Ratio Lower Upper

113 100

111 104.5 82.2 123.4

192 16.3 15.9 23.9

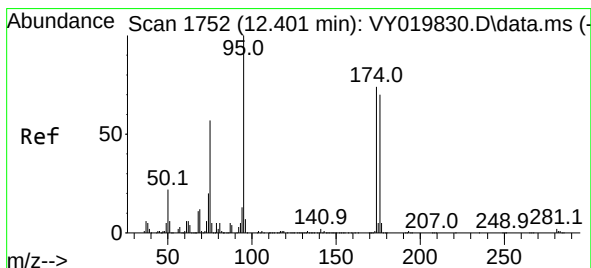
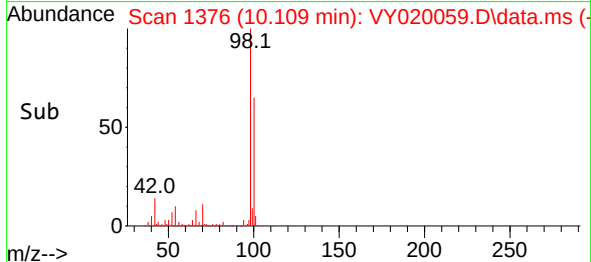
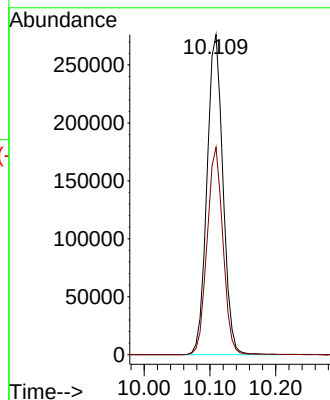
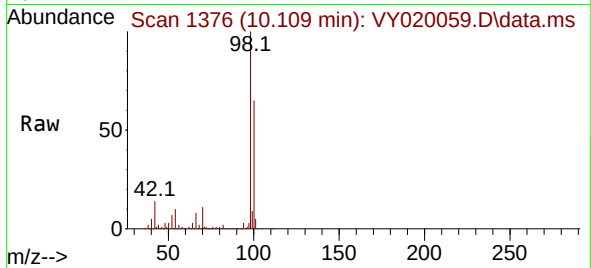




#50  
Toluene-d8  
Concen: 51.493 ug/l  
RT: 10.109 min Scan# 1375  
Delta R.T. 0.000 min  
Lab File: VY020059.D  
Acq: 29 Oct 2024 14:25

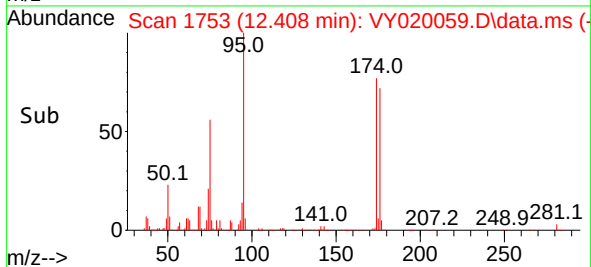
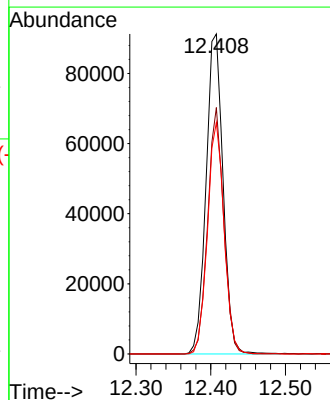
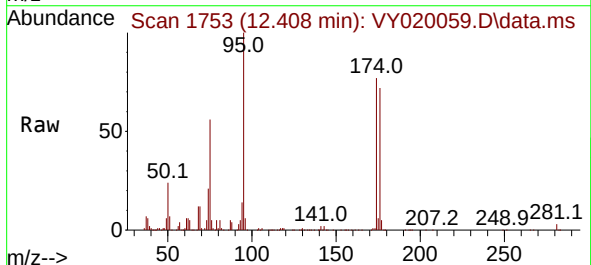
Instrument :  
MSVOA\_Y  
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BP-F12-VOC

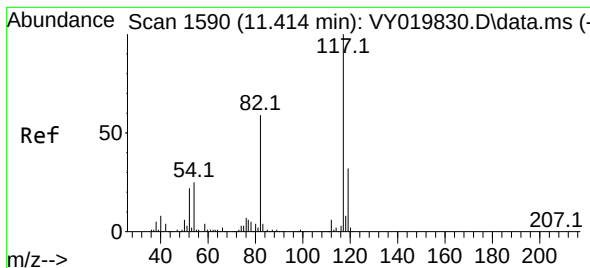
Tgt Ion: 98 Resp: 466714  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 43.909 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY020059.D  
Acq: 29 Oct 2024 14:25

Tgt Ion: 95 Resp: 143800  
Ion Ratio Lower Upper  
95 100  
174 72.8 0.0 175.6  
176 70.6 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY020059.D

Acq: 29 Oct 2024 14:25

Instrument :

MSVOA\_Y

ClientSampleId :

BP-F12-VOC

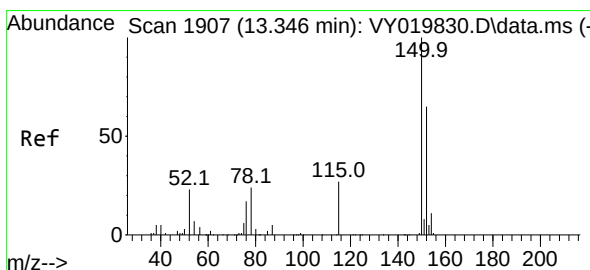
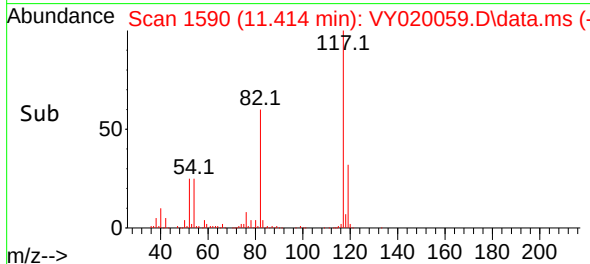
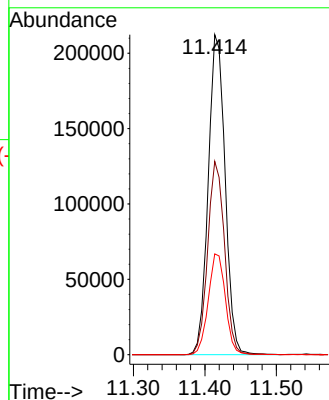
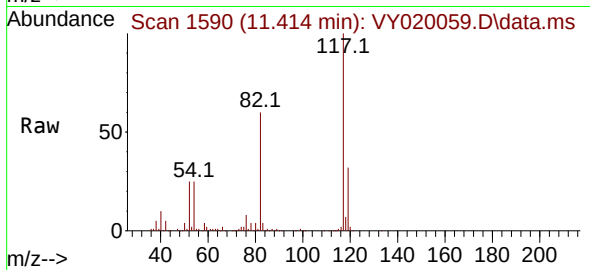
Tgt Ion:117 Resp: 348660

Ion Ratio Lower Upper

117 100

82 60.4 42.4 63.6

119 31.5 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020059.D

Acq: 29 Oct 2024 14:25

Tgt Ion:152 Resp: 123953

Ion Ratio Lower Upper

152 100

115 64.3 28.2 84.7

150 159.1 0.0 345.6

