

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042823\  
 Data File : VY013525.D  
 Acq On : 28 Apr 2023 14:54  
 Operator : KP/MD  
 Sample : 02502-10RE  
 Misc : 5.92g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 BU-511-VOC-02

Quant Time: Apr 28 23:13:37 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 209834   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 350612   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 346561   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 154836   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 145414   | 63.217   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 126.440% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 122972   | 55.765   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 111.520% |
| 50) Toluene-d8              | 10.179 | 98    | 435789   | 55.552   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 111.100% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 137772   | 52.094   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 104.180% |

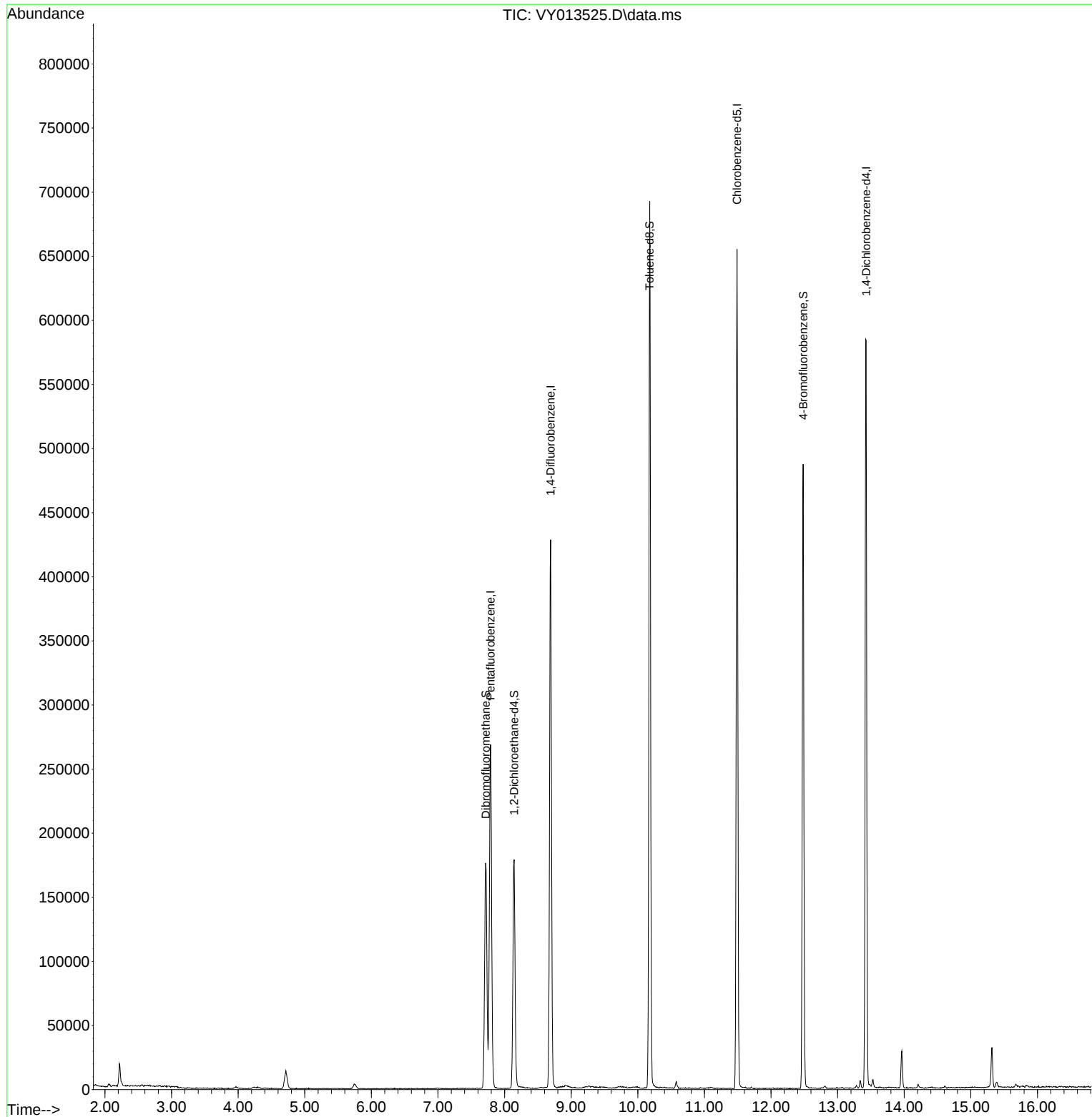
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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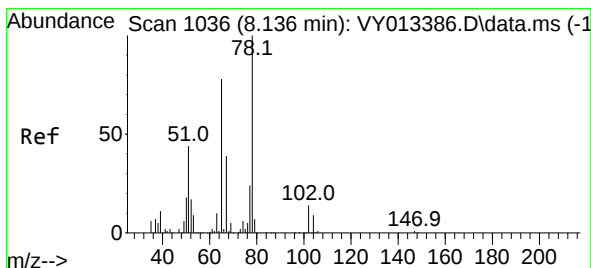
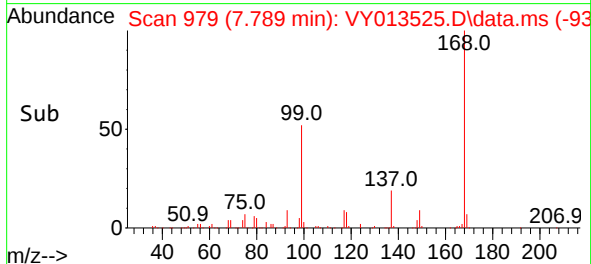
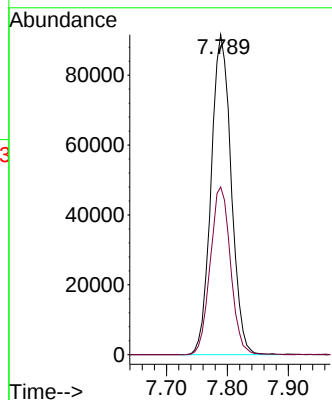
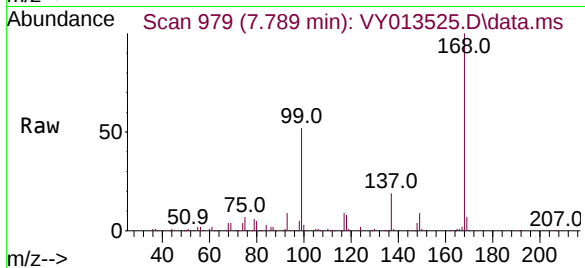




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013525.D  
Acq: 28 Apr 2023 14:54

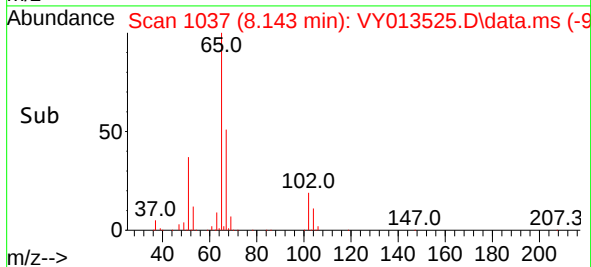
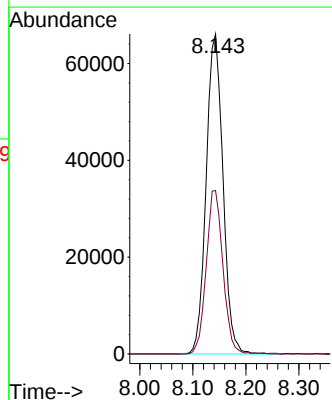
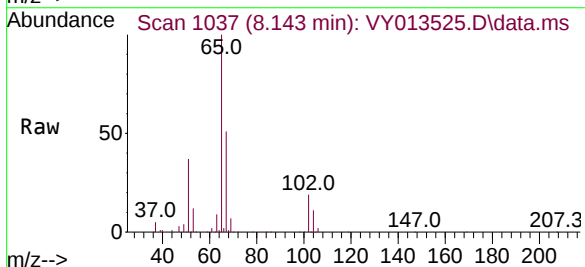
Instrument :  
MSVOA\_Y  
ClientSampleId :  
BU-511-VOC-02

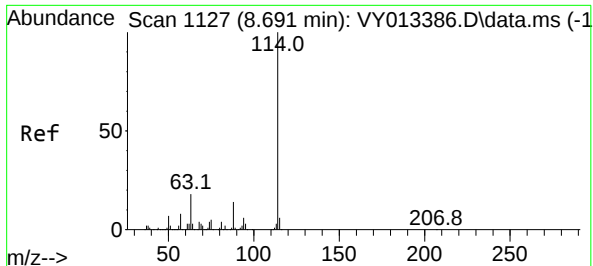
Tgt Ion:168 Resp: 209834  
Ion Ratio Lower Upper  
168 100  
99 52.4 41.8 62.6



#33  
1,2-Dichloroethane-d4  
Concen: 63.217 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.007 min  
Lab File: VY013525.D  
Acq: 28 Apr 2023 14:54

Tgt Ion: 65 Resp: 145414  
Ion Ratio Lower Upper  
65 100  
67 50.9 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013525.D

Acq: 28 Apr 2023 14:54

Instrument :

MSVOA\_Y

ClientSampleId :

BU-511-VOC-02

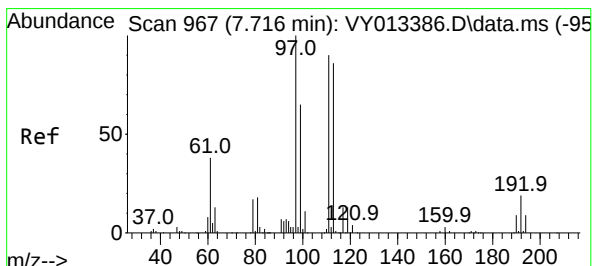
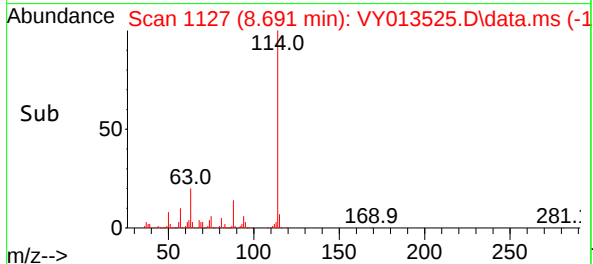
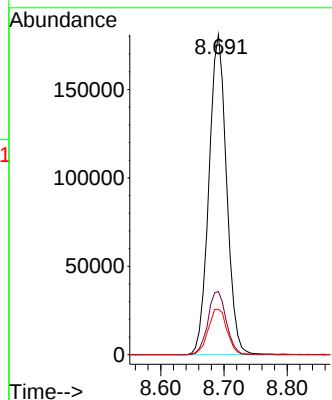
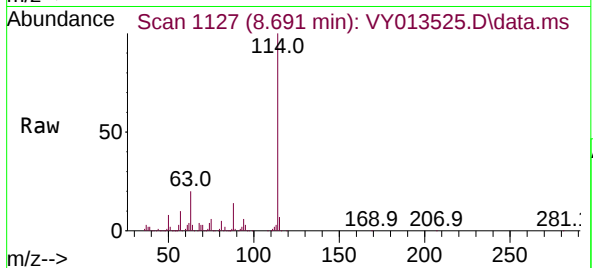
Tgt Ion:114 Resp: 350612

Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.6

88 14.2 0.0 28.8



#35

Dibromofluoromethane

Concen: 55.765 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013525.D

Acq: 28 Apr 2023 14:54

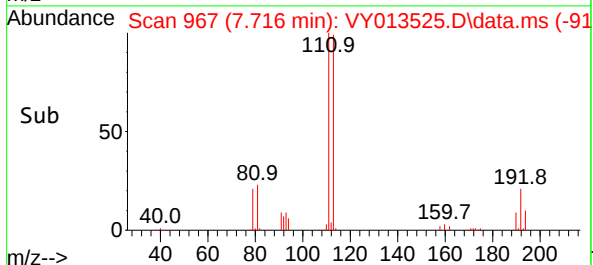
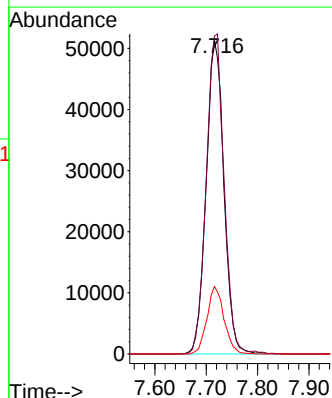
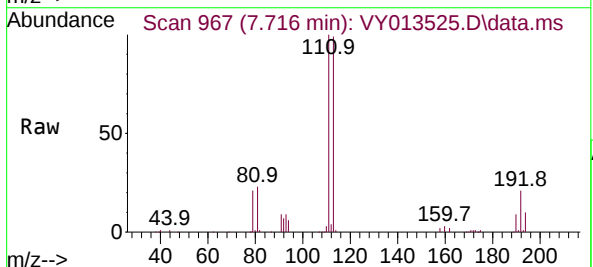
Tgt Ion:113 Resp: 122972

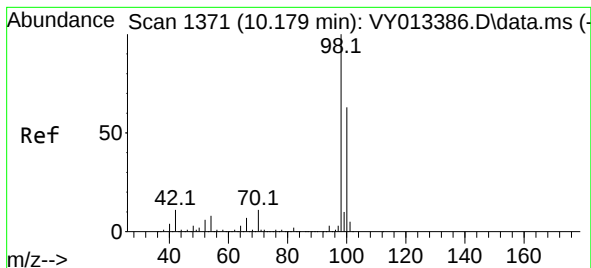
Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.2

192 20.7 16.7 25.1

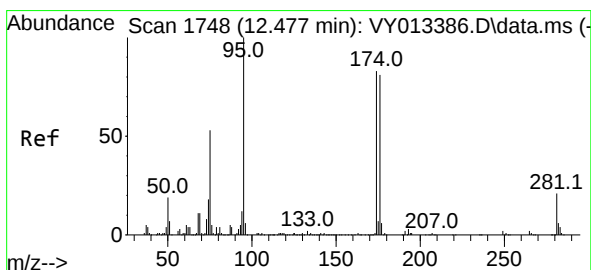
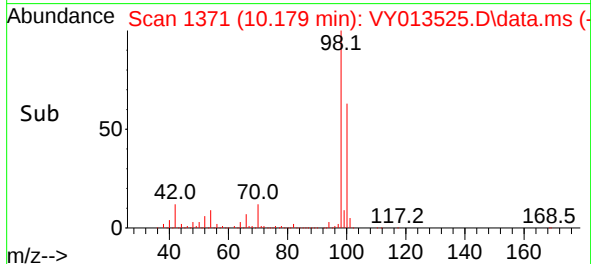
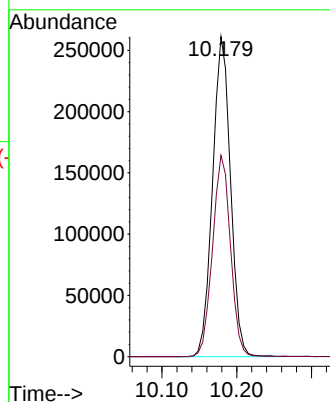
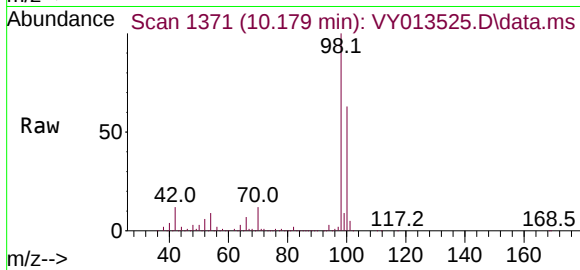




#50  
Toluene-d8  
Concen: 55.552 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY013525.D  
Acq: 28 Apr 2023 14:54

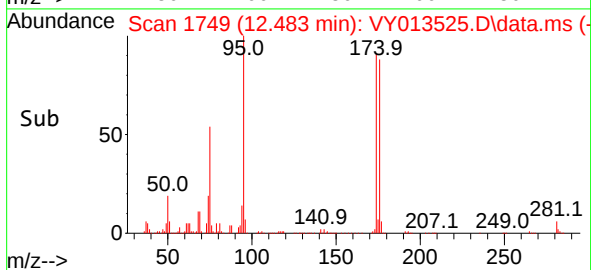
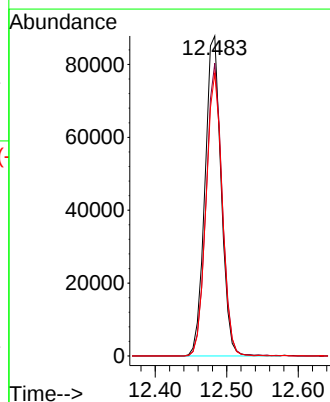
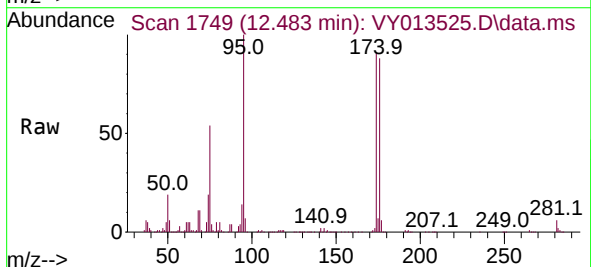
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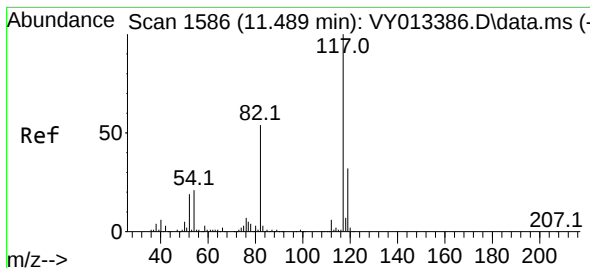
Tgt Ion: 98 Resp: 435789  
Ion Ratio Lower Upper  
98 100  
100 63.0 50.5 75.7



#62  
4-Bromofluorobenzene  
Concen: 52.094 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY013525.D  
Acq: 28 Apr 2023 14:54

Tgt Ion: 95 Resp: 137772  
Ion Ratio Lower Upper  
95 100  
174 90.9 0.0 182.0  
176 88.5 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY013525.D

Acq: 28 Apr 2023 14:54

Instrument :

MSVOA\_Y

ClientSampleId :

BU-511-VOC-02

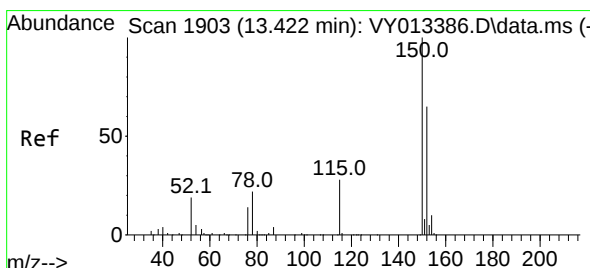
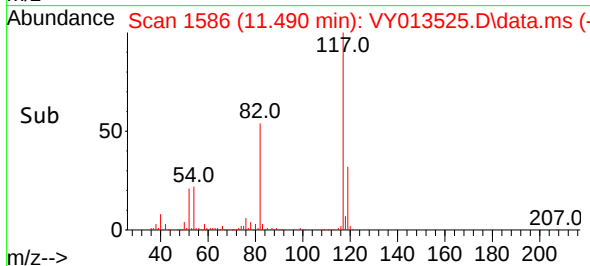
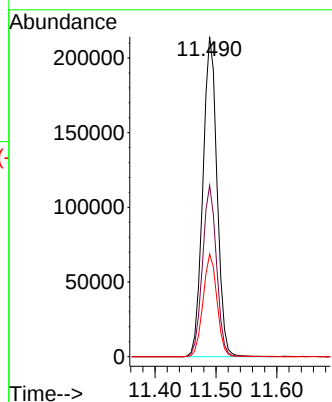
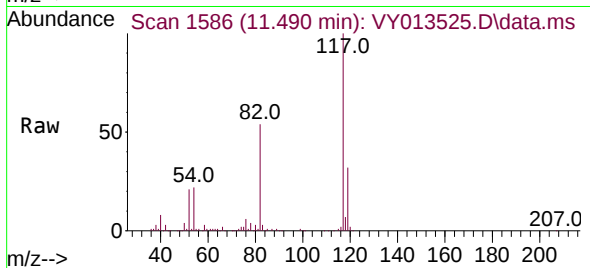
Tgt Ion:117 Resp: 346561

Ion Ratio Lower Upper

117 100

82 53.5 43.0 64.6

119 32.1 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY013525.D

Acq: 28 Apr 2023 14:54

Tgt Ion:152 Resp: 154836

Ion Ratio Lower Upper

152 100

115 57.0 28.1 84.2

150 156.0 0.0 352.0

