

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020723\  
 Data File : VY012527.D  
 Acq On : 07 Feb 2023 18:34  
 Operator : KP/MD  
 Sample : 01465-05  
 Misc : 2.57g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TOT-VOC-GRAB-4

Quant Time: Feb 08 01:48:36 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020723S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 08 01:09:03 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 170      | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 340      | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 144      | 50.000 | ug/l  | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 71       | 50.000 | ug/l  | # 0.00   |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 187      | 86.504   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 173.000%# |
| 35) Dibromofluoromethane    | 0.000  | 113   | 0        | 0.000    | ug/l |           |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 0.000%#   |
| 50) Toluene-d8              | 10.185 | 98    | 367      | 35.610   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 71.220%   |
| 62) 4-Bromofluorobenzene    | 0.000  | 95    | 0        | 0.000    | ug/l |           |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 0.000%#   |

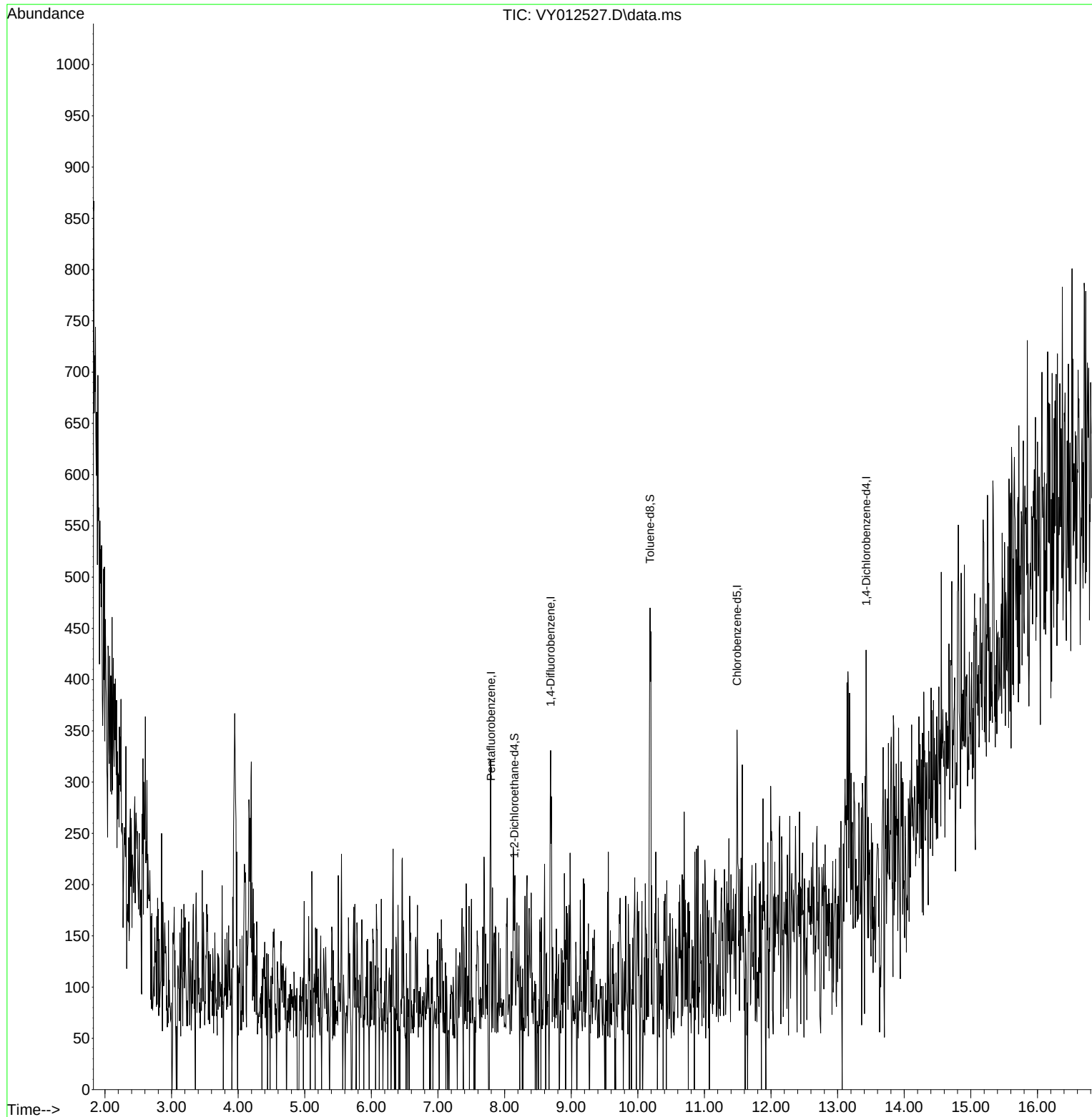
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

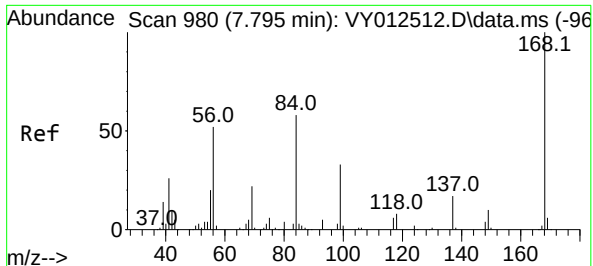
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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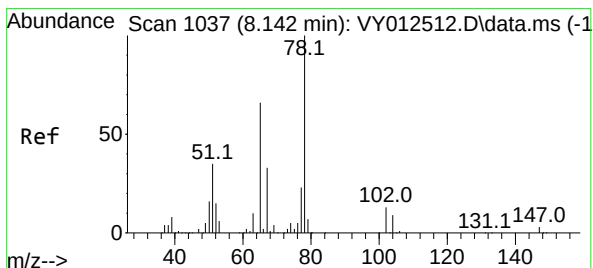
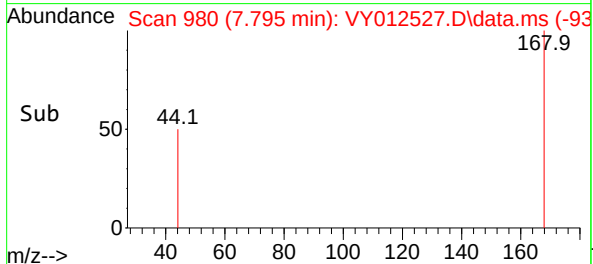
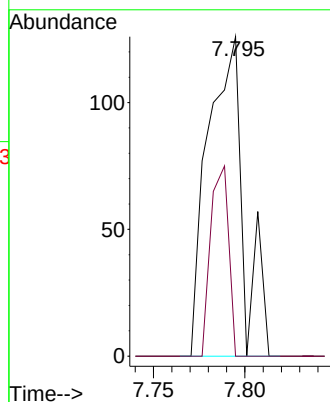
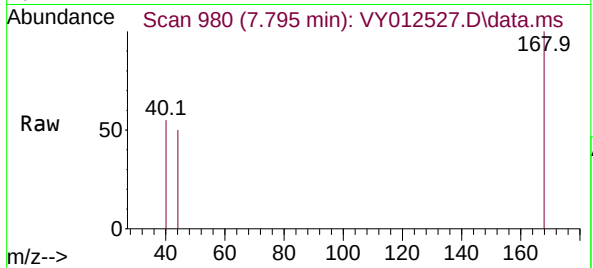




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012527.D  
Acq: 07 Feb 2023 18:34

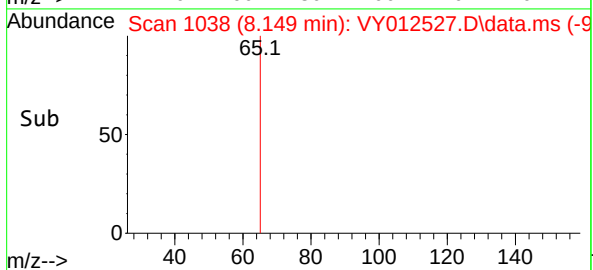
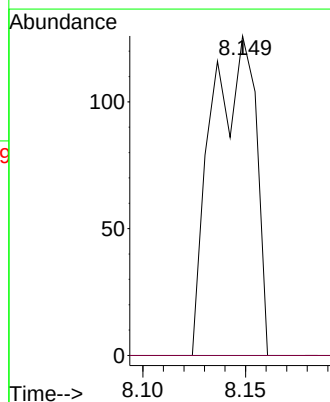
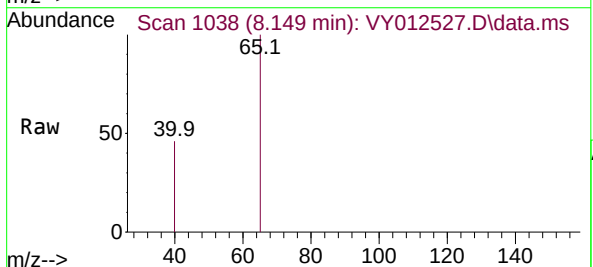
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TOT-VOC-GRAB-4

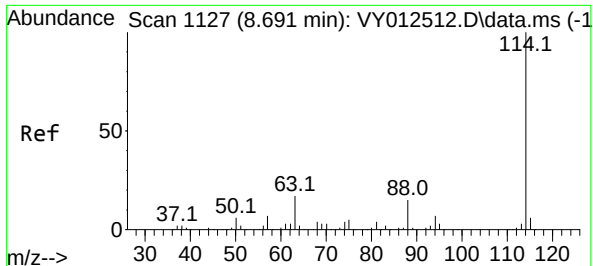
Tgt Ion:168 Resp: 170  
Ion Ratio Lower Upper  
168 100  
99 0.0 40.8 61.2#



#33  
1,2-Dichloroethane-d4  
Concen: 86.504 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.006 min  
Lab File: VY012527.D  
Acq: 07 Feb 2023 18:34

Tgt Ion: 65 Resp: 187  
Ion Ratio Lower Upper  
65 100  
67 0.0 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012527.D

Acq: 07 Feb 2023 18:34

Instrument :

MSVOA\_Y

ClientSampleId :

TOT-VOC-GRAB-4

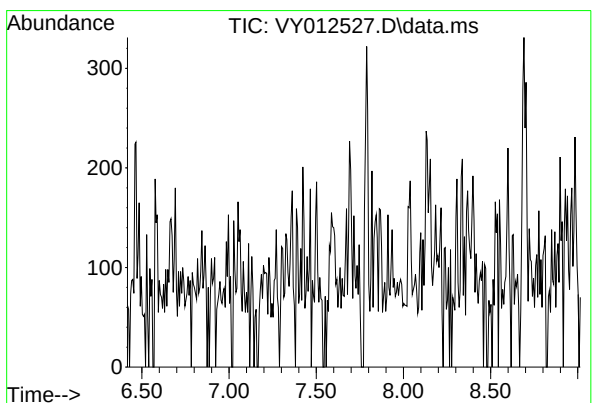
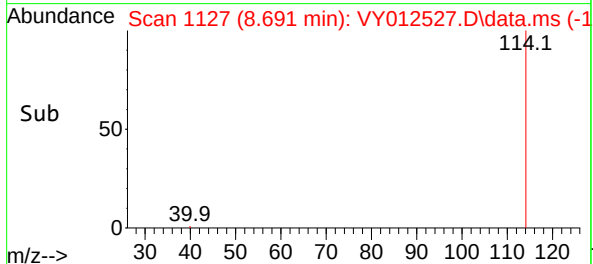
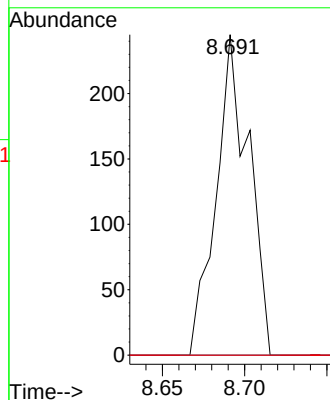
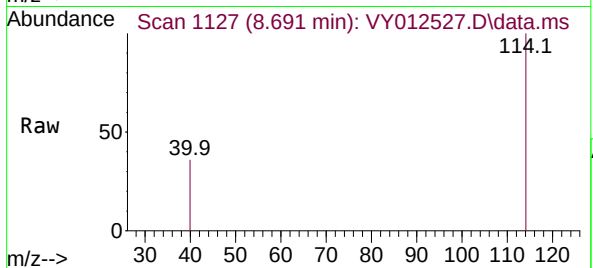
Tgt Ion:114 Resp: 340

Ion Ratio Lower Upper

114 100

63 0.0 0.0 33.6

88 0.0 0.0 29.8



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 7.72 min

Lab File: VY012527.D

Acq: 07 Feb 2023 18:34

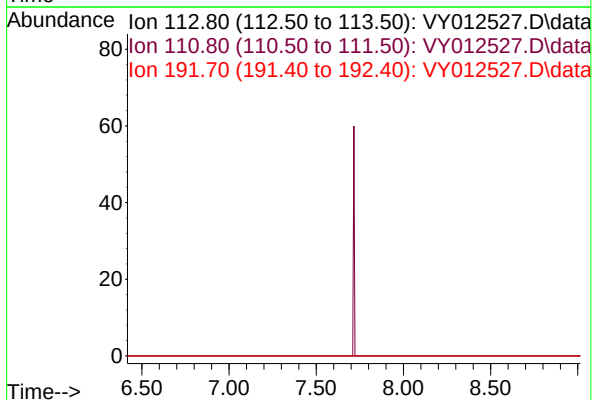
Tgt Ion: 113

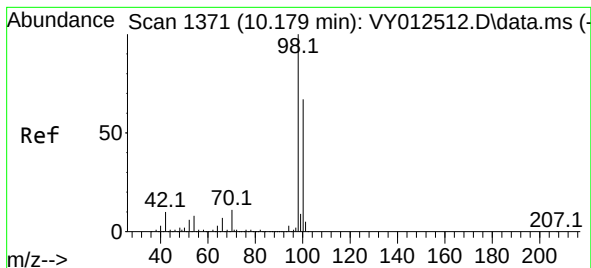
Sig Exp Ratio

113 100

111 102.4

192 21.9

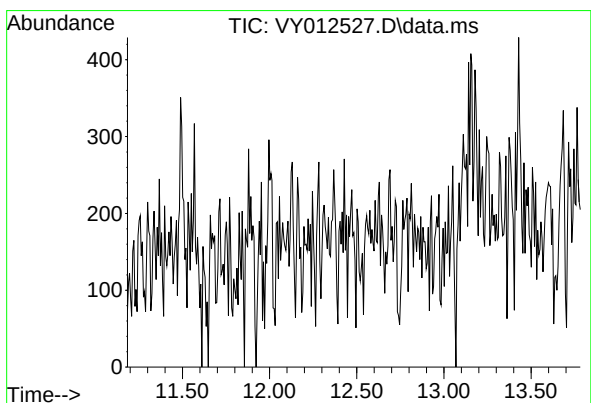
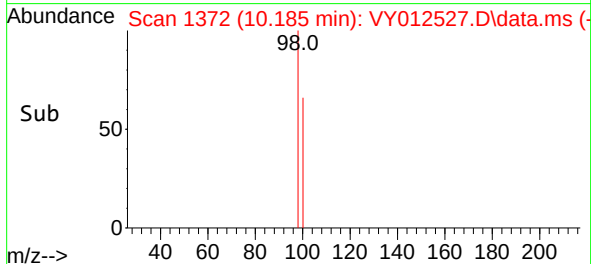
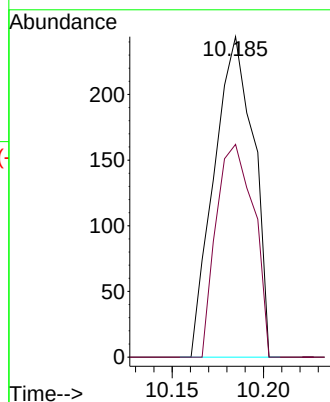
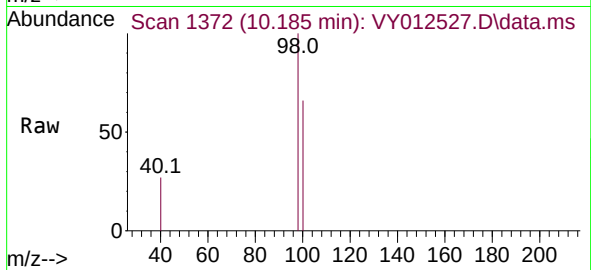




#50  
Toluene-d8  
Concen: 35.610 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY012527.D  
Acq: 07 Feb 2023 18:34

Instrument :  
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ClientSampleId :  
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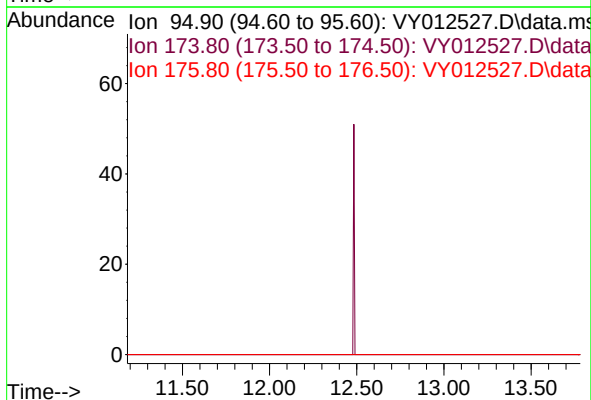
Tgt Ion: 98 Resp: 367  
Ion Ratio Lower Upper  
98 100  
100 63.2 52.2 78.2

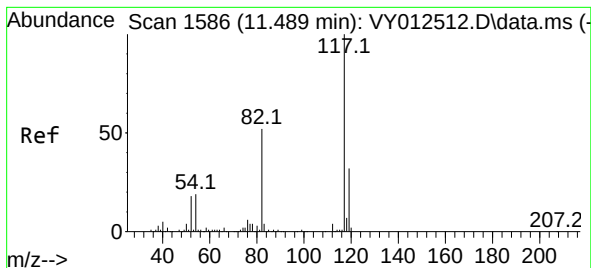


#62  
4-Bromofluorobenzene  
Concen: 0.000 ug/l  
Expected RT: 12.48 min

Lab File: VY012527.D  
Acq: 07 Feb 2023 18:34

Tgt Ion: 95  
Sig Exp Ratio  
95 100  
174 94.0  
176 91.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012527.D

Acq: 07 Feb 2023 18:34

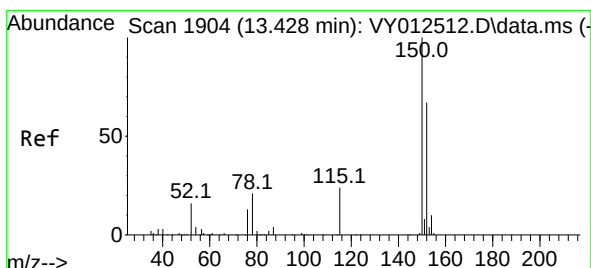
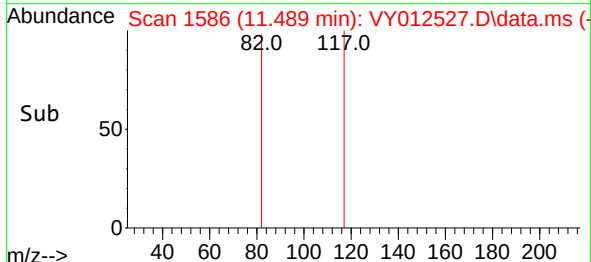
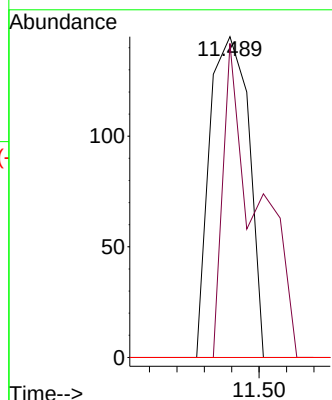
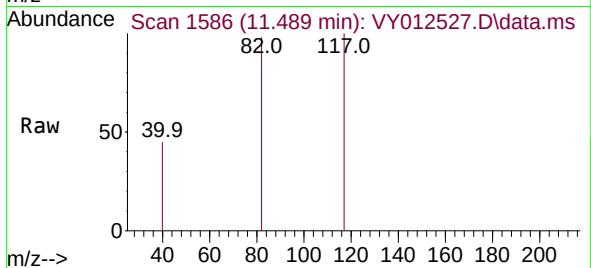
Instrument :

MSVOA\_Y

ClientSampleId :

TOT-VOC-GRAB-4

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:117 | Resp: | 144         |
| Ion         | Ratio | Lower Upper |
| 117         | 100   |             |
| 82          | 97.9  | 41.7 62.5#  |
| 119         | 0.0   | 25.8 38.8#  |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY012527.D

Acq: 07 Feb 2023 18:34

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 71          |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 0.0   | 28.1 84.3#  |
| 150         | 74.6  | 0.0 351.0   |

