

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021423\  
 Data File : VY012584.D  
 Acq On : 14 Feb 2023 13:24  
 Operator : KP/MD  
 Sample : 01539-15  
 Misc : 3.97g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TOT-VOC-GRAB-60

Quant Time: Feb 15 01:26:46 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

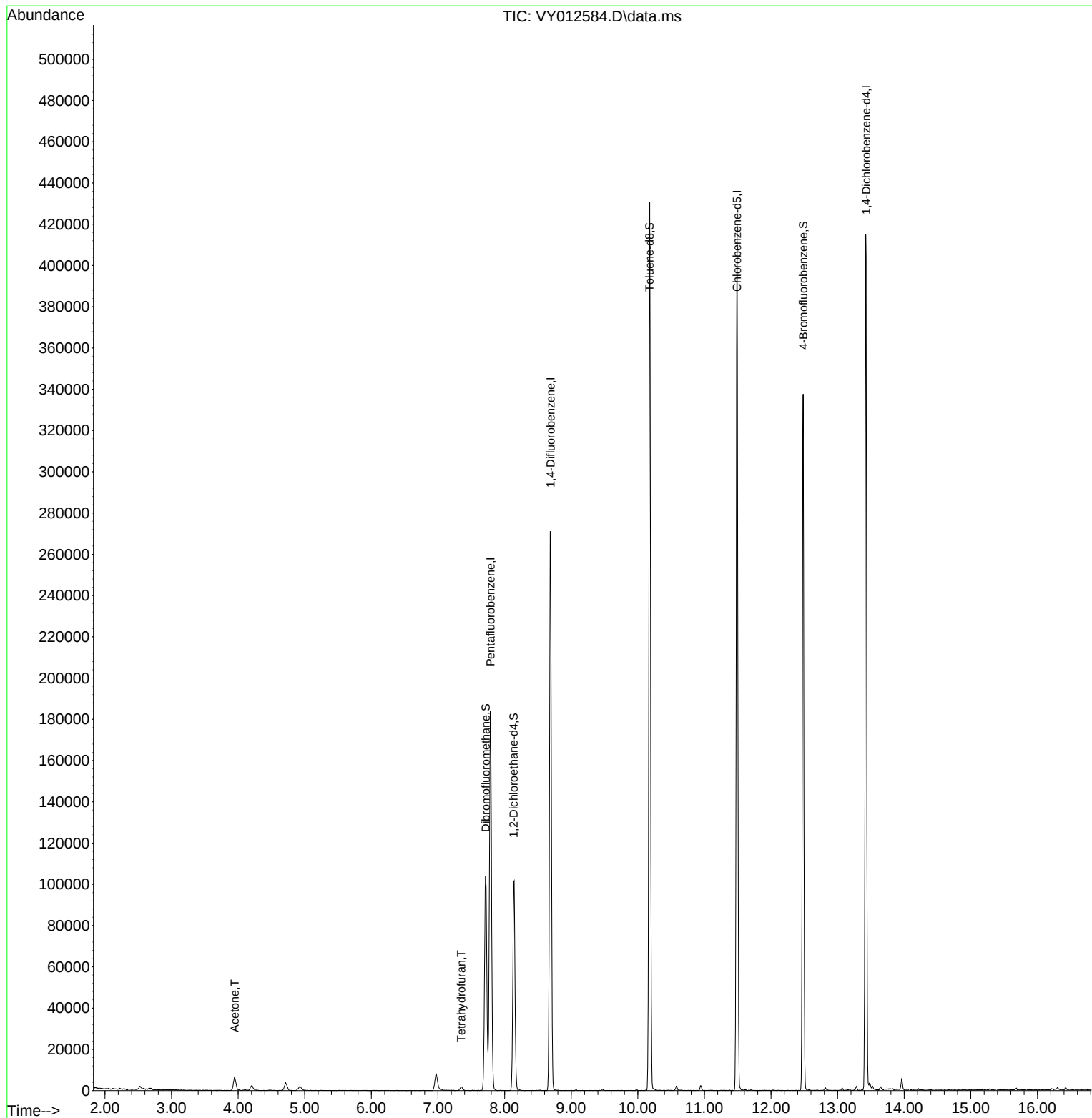
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 146766   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 241961   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 238941   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 114347   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 88204    | 47.261   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 94.520%  |
| 35) Dibromofluoromethane    | 7.716  | 113   | 71804    | 40.749   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 81.500%  |
| 50) Toluene-d8              | 10.179 | 98    | 287577   | 39.209   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 78.420%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 96925    | 37.887   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 75.780%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 3.948  | 43    | 10935    | 24.344   | ug/l   | 99       |
| 29) Tetrahydrofuran         | 7.350  | 42    | 1242     | 4.610    | ug/l # | 83       |
| -----                       |        |       |          |          |        |          |

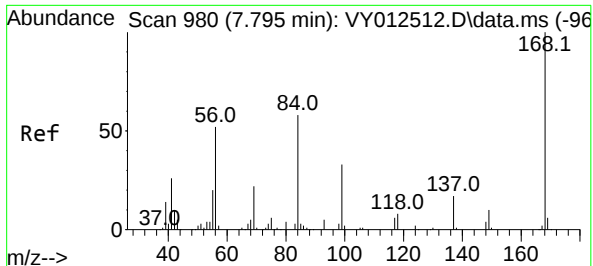
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021423\  
Data File : VY012584.D  
Acq On : 14 Feb 2023 13:24  
Operator : KP/MD  
Sample : 01539-15  
Misc : 3.97g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TOT-VOC-GRAB-60

Quant Time: Feb 15 01:26:46 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

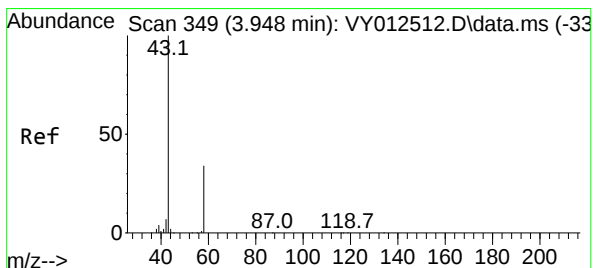
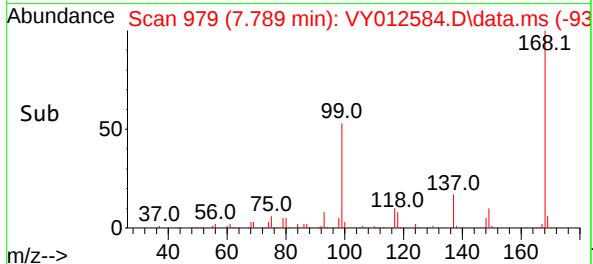
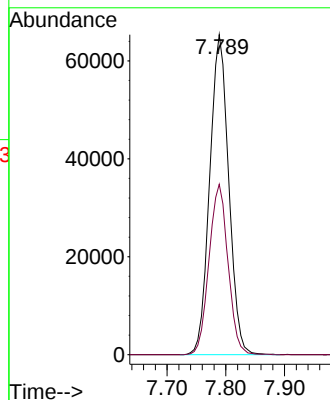
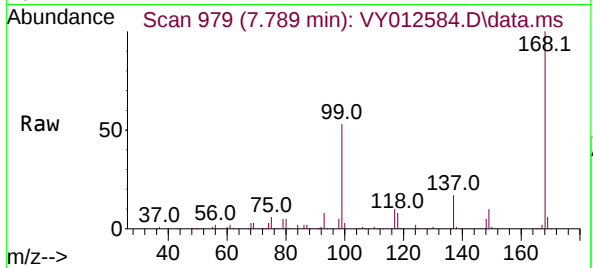




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY012584.D  
Acq: 14 Feb 2023 13:24

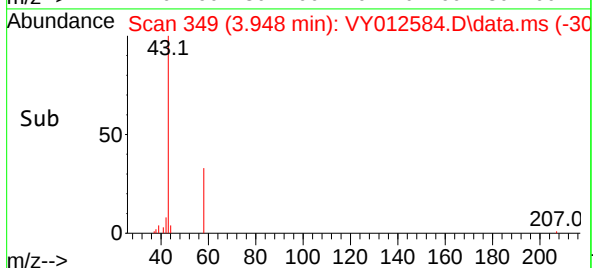
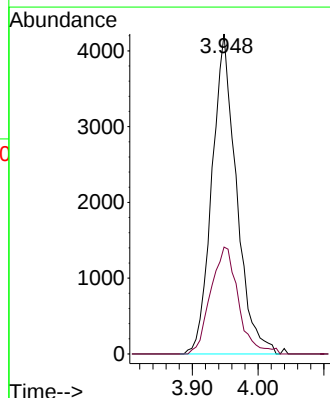
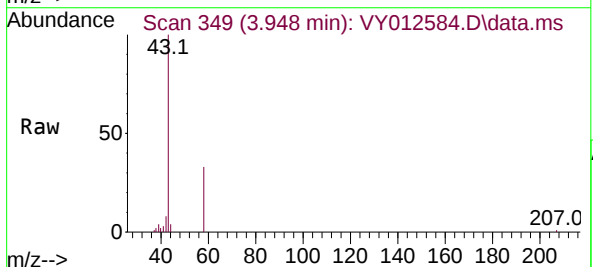
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TOT-VOC-GRAB-60

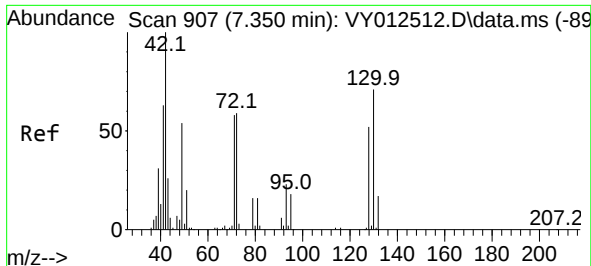
Tgt Ion:168 Resp: 146766  
Ion Ratio Lower Upper  
168 100  
99 53.3 40.8 61.2



#16  
Acetone  
Concen: 24.344 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.000 min  
Lab File: VY012584.D  
Acq: 14 Feb 2023 13:24

Tgt Ion: 43 Resp: 10935  
Ion Ratio Lower Upper  
43 100  
58 33.4 27.1 40.7





#29

Tetrahydrofuran

Concen: 4.610 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.000 min

Lab File: VY012584.D

Acq: 14 Feb 2023 13:24

Instrument :

MSVOA\_Y

ClientSampleId :

TOT-VOC-GRAB-60

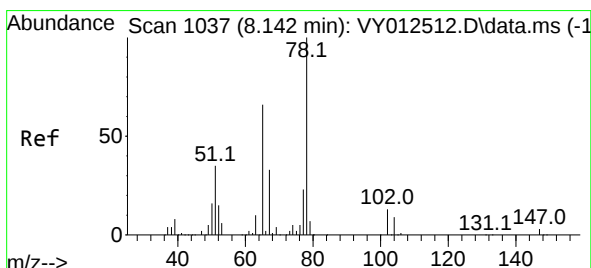
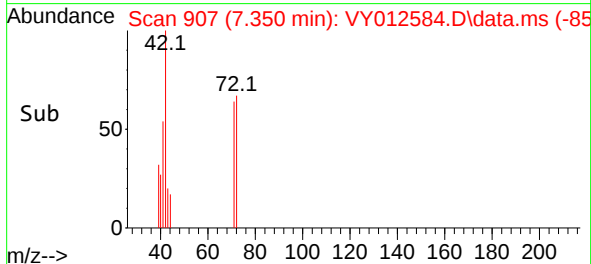
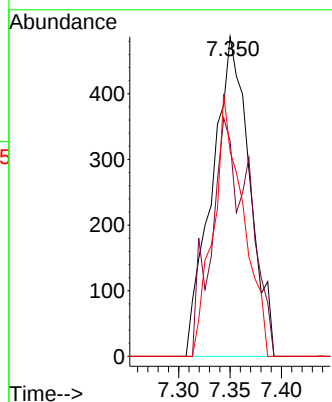
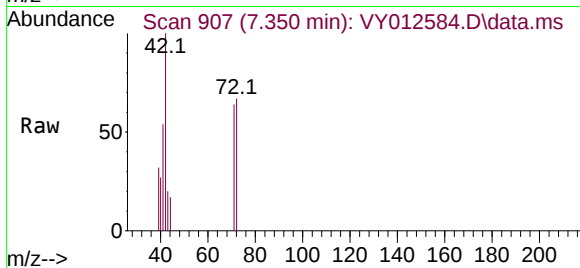
Tgt Ion: 42 Resp: 1242

Ion Ratio Lower Upper

42 100

72 74.8 47.0 70.6#

71 64.6 44.6 66.8



#33

1,2-Dichloroethane-d4

Concen: 47.261 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY012584.D

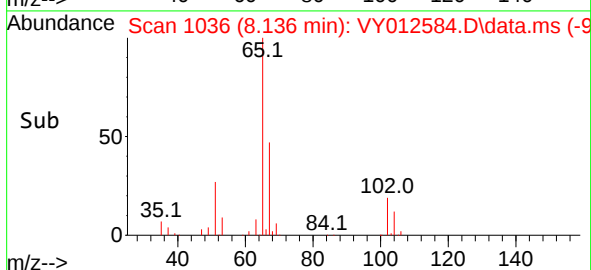
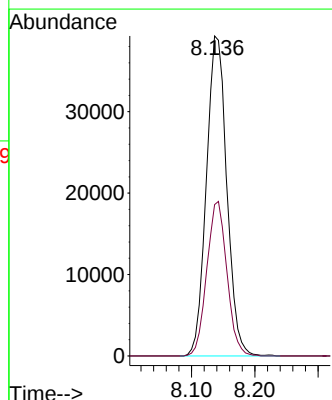
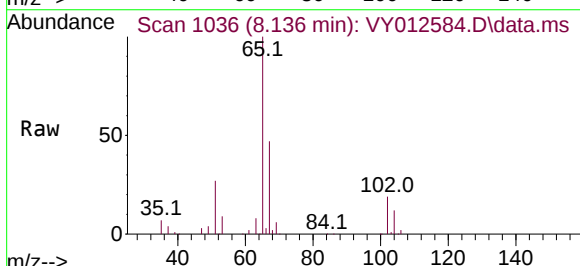
Acq: 14 Feb 2023 13:24

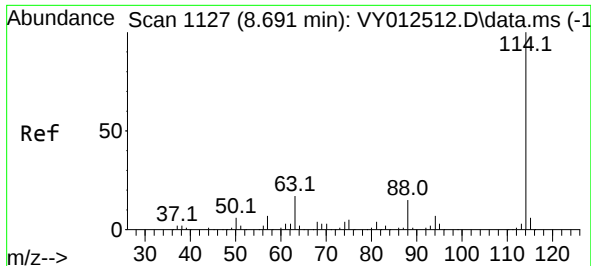
Tgt Ion: 65 Resp: 88204

Ion Ratio Lower Upper

65 100

67 47.5 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012584.D

Acq: 14 Feb 2023 13:24

Instrument :

MSVOA\_Y

ClientSampleId :

TOT-VOC-GRAB-60

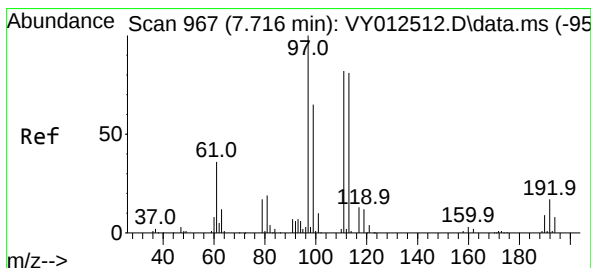
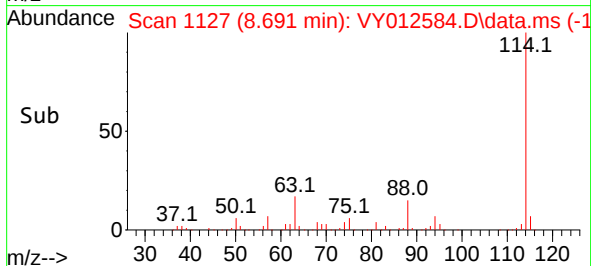
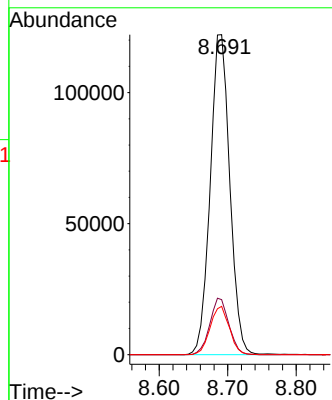
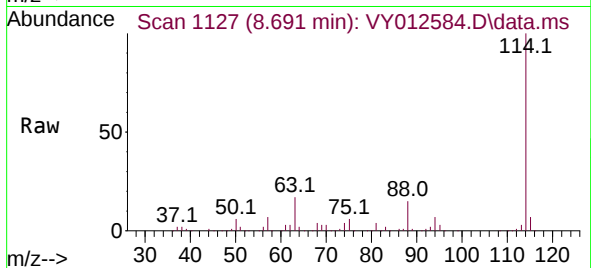
Tgt Ion:114 Resp: 241961

Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.6

88 15.1 0.0 29.8



#35

Dibromofluoromethane

Concen: 40.749 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012584.D

Acq: 14 Feb 2023 13:24

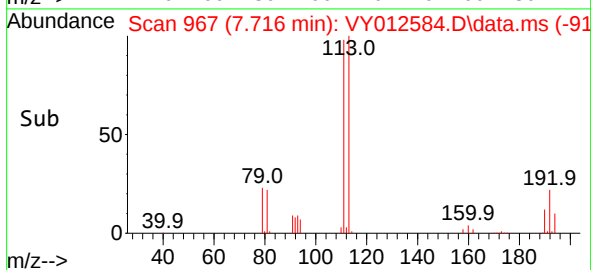
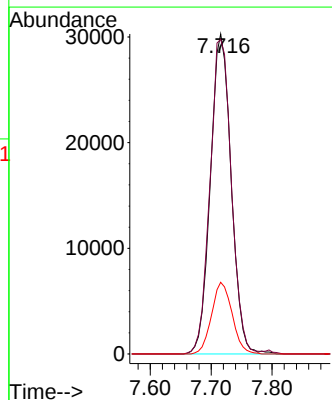
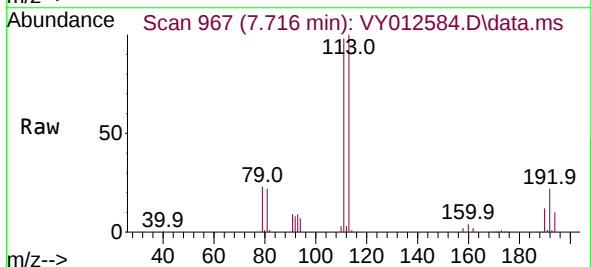
Tgt Ion:113 Resp: 71804

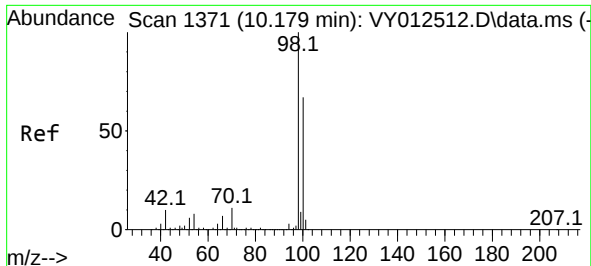
Ion Ratio Lower Upper

113 100

111 101.2 81.9 122.9

192 22.1 17.5 26.3

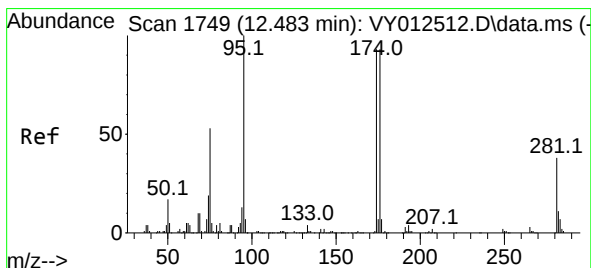
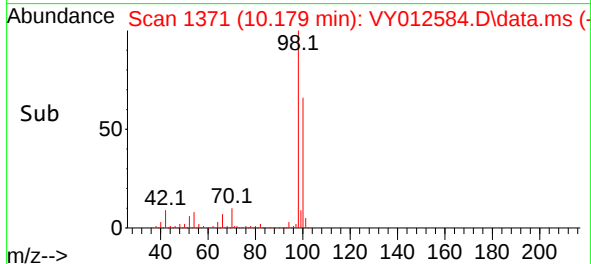
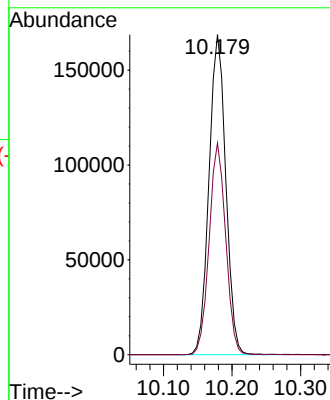
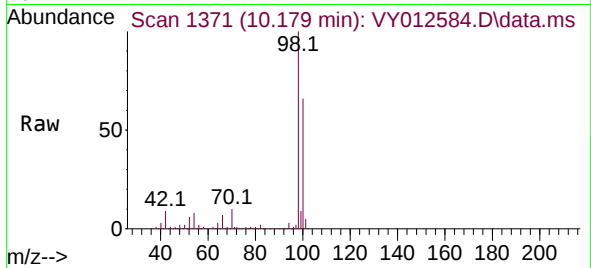




#50  
Toluene-d8  
Concen: 39.209 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.000 min  
Lab File: VY012584.D  
Acq: 14 Feb 2023 13:24

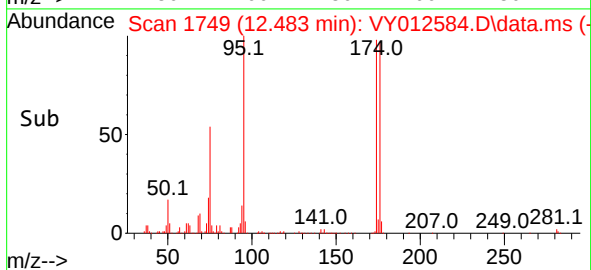
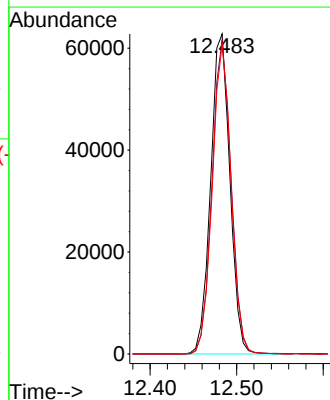
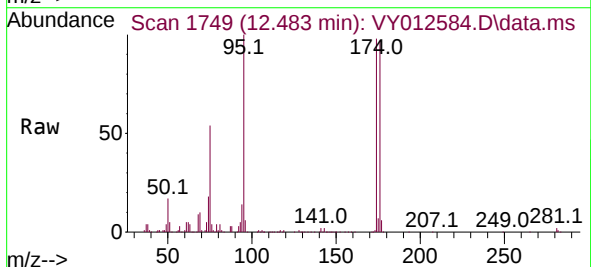
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TOT-VOC-GRAB-60

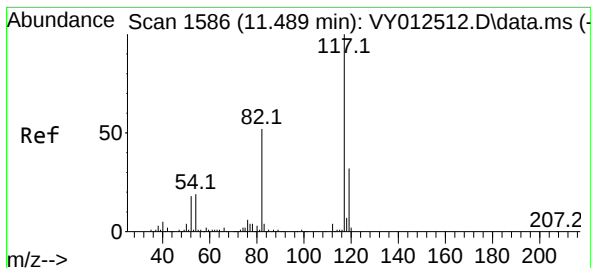
Tgt Ion: 98 Resp: 287577  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 37.887 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY012584.D  
Acq: 14 Feb 2023 13:24

Tgt Ion: 95 Resp: 96925  
Ion Ratio Lower Upper  
95 100  
174 97.1 0.0 188.0  
176 94.7 0.0 183.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY012584.D

Acq: 14 Feb 2023 13:24

Instrument :

MSVOA\_Y

ClientSampleId :

TOT-VOC-GRAB-60

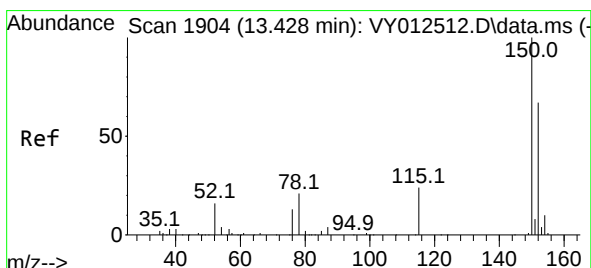
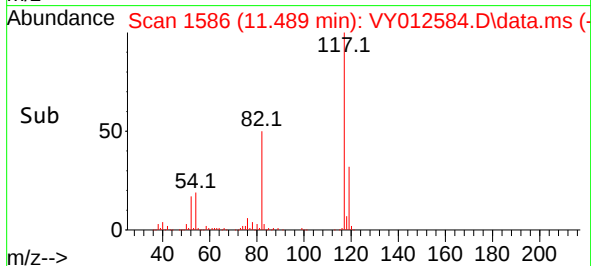
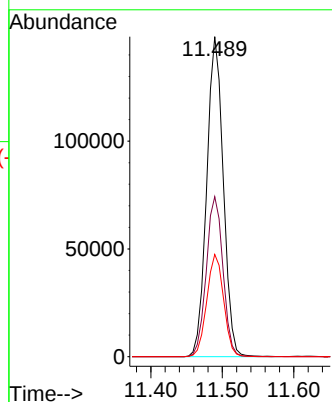
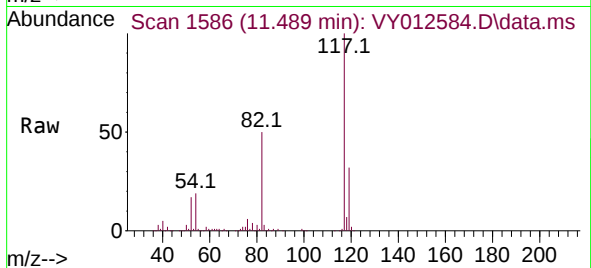
Tgt Ion:117 Resp: 238941

Ion Ratio Lower Upper

117 100

82 50.0 41.7 62.5

119 32.0 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: VY012584.D

Acq: 14 Feb 2023 13:24

Tgt Ion:152 Resp: 114347

Ion Ratio Lower Upper

152 100

115 55.9 28.1 84.3

150 155.9 0.0 351.0

