

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062023\  
 Data File : VY014286.D  
 Acq On : 20 Jun 2023 16:19  
 Operator : KP/MD  
 Sample : 03296-23  
 Misc : 2.95g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TOTAL-VOC-TW-07-GRAB-6

Quant Time: Jun 21 02:08:30 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060923S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 09 18:07:13 2023  
 Response via : Initial Calibration

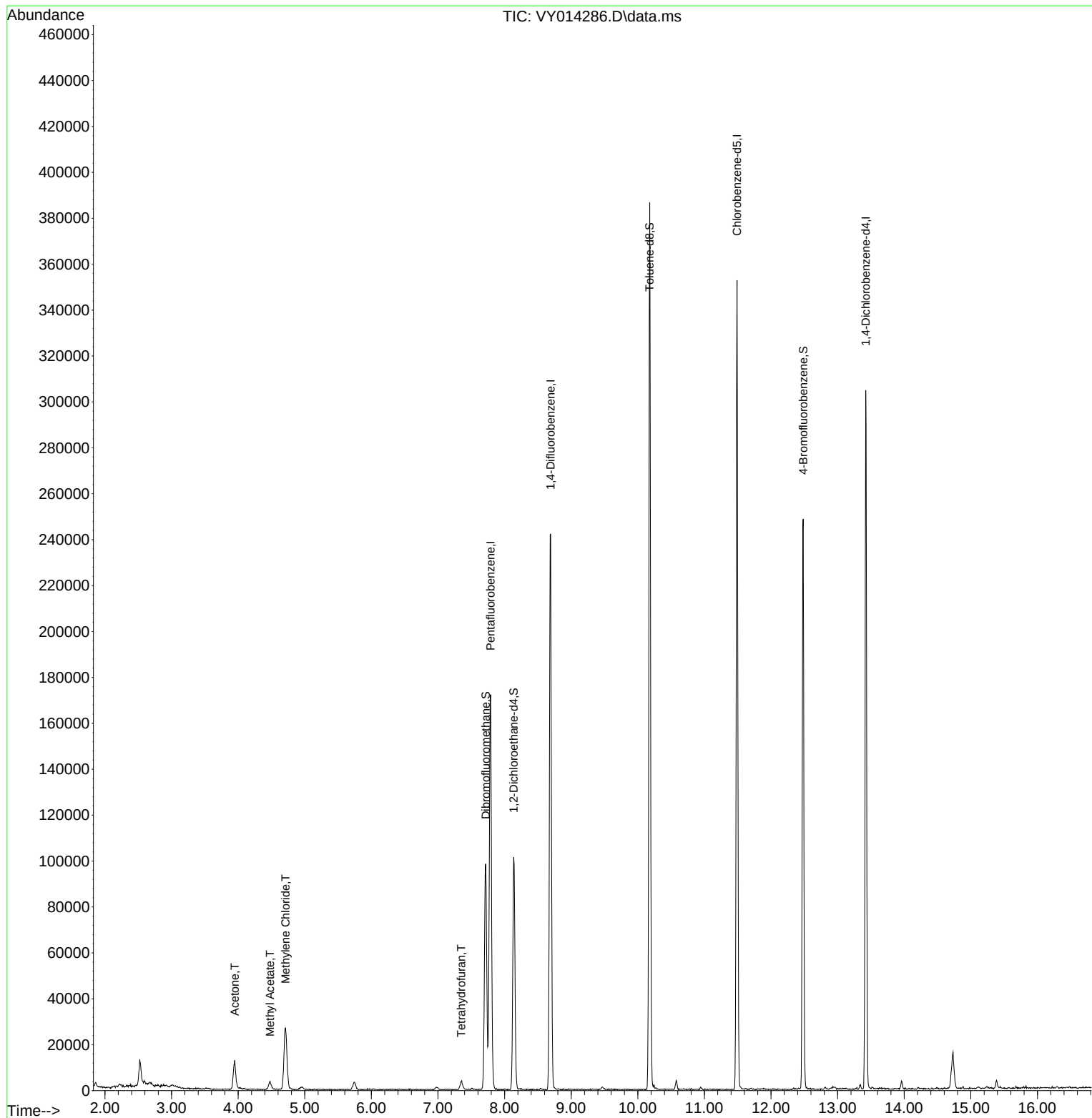
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 134275   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 207604   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 185323   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 79458    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 85750    | 45.861   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 91.720%  |
| 35) Dibromofluoromethane    | 7.716  | 113   | 67090    | 45.569   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 91.140%  |
| 50) Toluene-d8              | 10.179 | 98    | 247681   | 44.998   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 90.000%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 73391    | 37.535   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 75.060%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 3.948  | 43    | 21063    | 37.371   | ug/l   | 98       |
| 18) Methyl Acetate          | 4.478  | 43    | 6346     | 2.901    | ug/l   | 99       |
| 20) Methylene Chloride      | 4.710  | 84    | 20345    | 8.318    | ug/l   | 91       |
| 29) Tetrahydrofuran         | 7.350  | 42    | 2688     | 6.110    | ug/l # | 92       |
| -----                       |        |       |          |          |        |          |

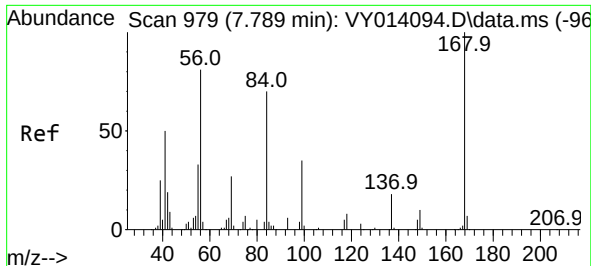
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 09 18:07:13 2023  
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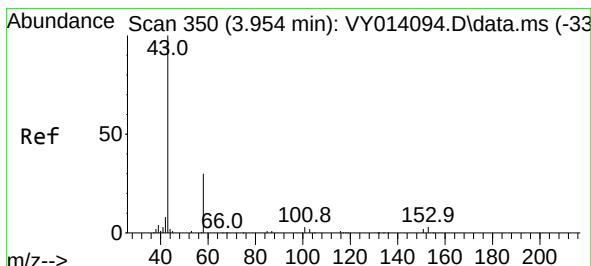
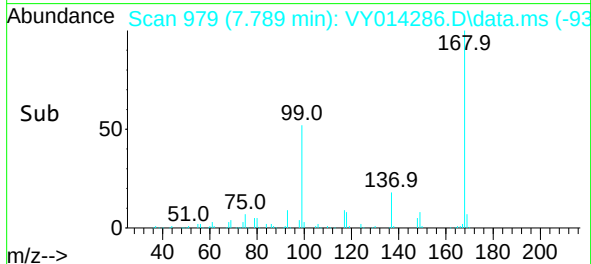
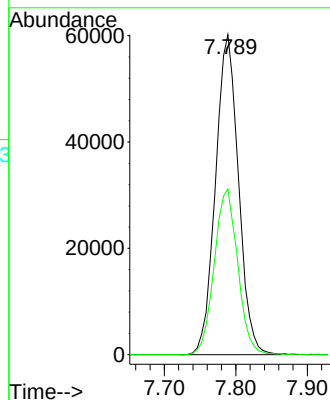
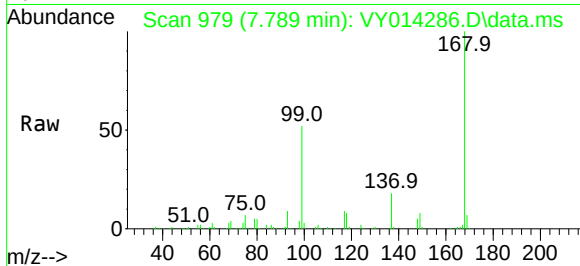




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY014286.D  
Acq: 20 Jun 2023 16:19

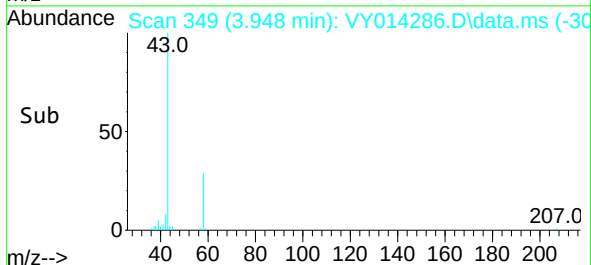
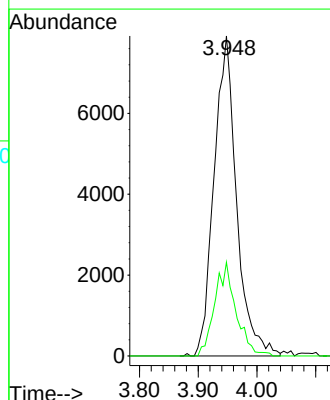
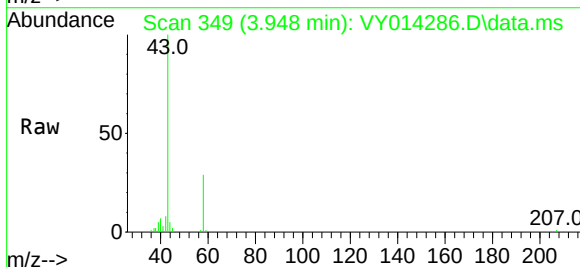
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TOTAL-VOC-TW-07-GRAB-6

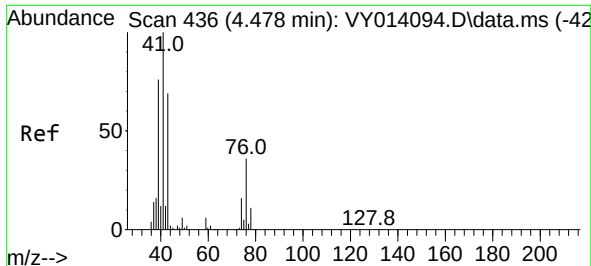
Tgt Ion:168 Resp: 134275  
Ion Ratio Lower Upper  
168 100  
99 51.8 43.4 65.0



#16  
Acetone  
Concen: 37.371 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. -0.006 min  
Lab File: VY014286.D  
Acq: 20 Jun 2023 16:19

Tgt Ion: 43 Resp: 21063  
Ion Ratio Lower Upper  
43 100  
58 29.3 22.7 34.1

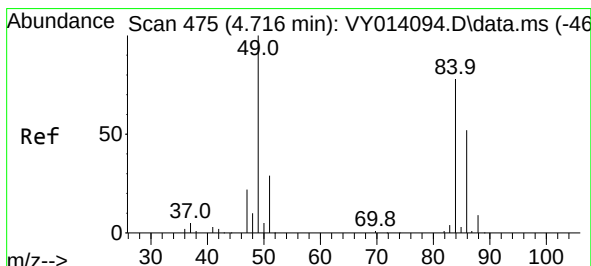
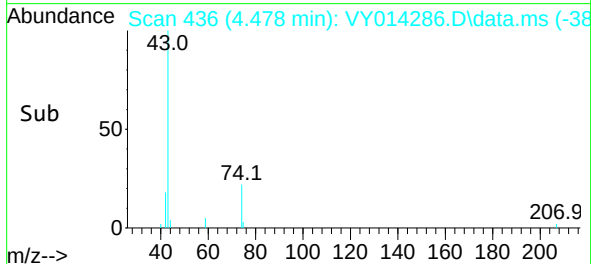
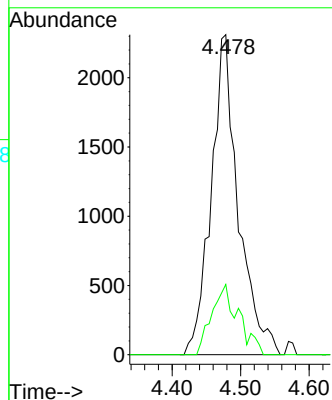
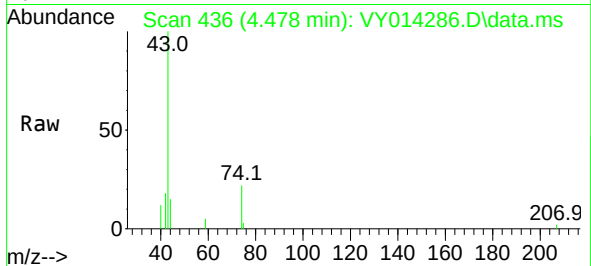




#18  
Methyl Acetate  
Concen: 2.901 ug/l  
RT: 4.478 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY014286.D  
Acq: 20 Jun 2023 16:19

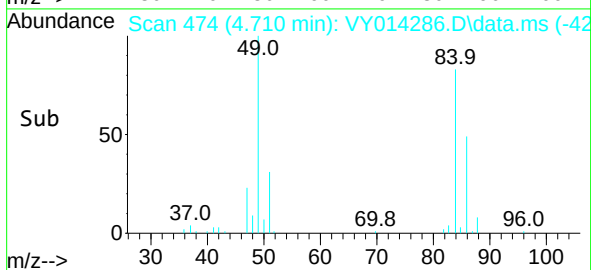
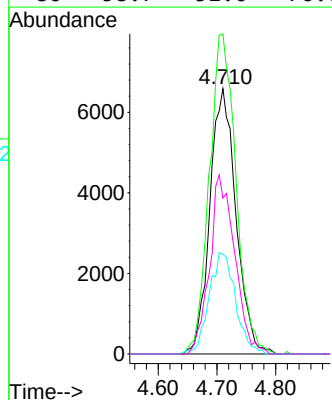
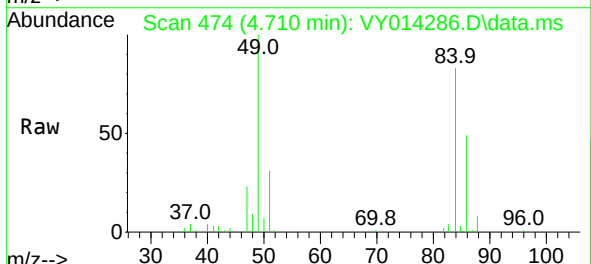
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TOTAL-VOC-TW-07-GRAB-6

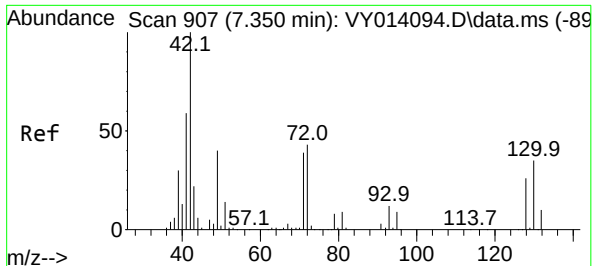
Tgt Ion: 43 Resp: 6346  
Ion Ratio Lower Upper  
43 100  
74 22.0 17.4 26.0



#20  
Methylene Chloride  
Concen: 8.318 ug/l  
RT: 4.710 min Scan# 474  
Delta R.T. -0.006 min  
Lab File: VY014286.D  
Acq: 20 Jun 2023 16:19

Tgt Ion: 84 Resp: 20345  
Ion Ratio Lower Upper  
84 100  
49 120.6 106.9 160.3  
51 37.6 33.2 49.8  
86 58.7 51.0 76.6





#29

Tetrahydrofuran

Concen: 6.110 ug/l

RT: 7.350 min Scan# 907

Delta R.T. -0.000 min

Lab File: VY014286.D

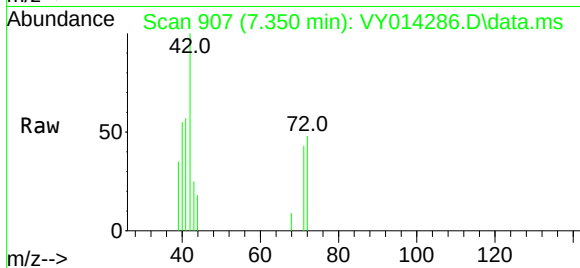
Acq: 20 Jun 2023 16:19

Instrument :

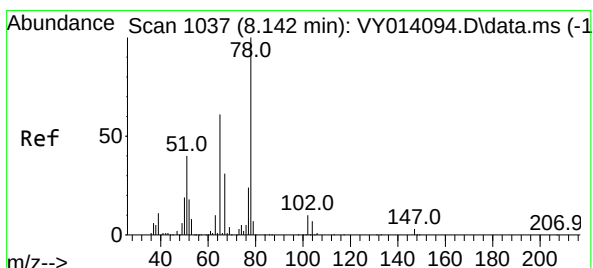
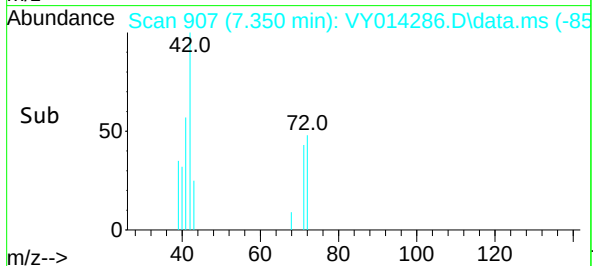
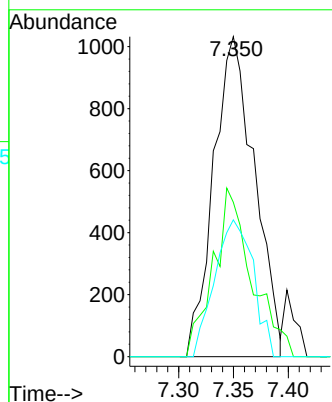
MSVOA\_Y

ClientSampleId :

TOTAL-VOC-TW-07-GRAB-6



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 2688  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 49.5  | 32.8  | 49.2  |
| 71       | 40.2  | 31.0  | 46.4  |



#33

1,2-Dichloroethane-d4

Concen: 45.861 ug/l

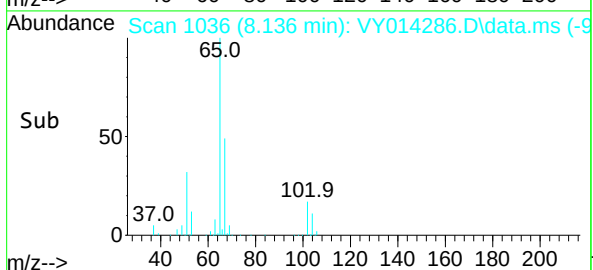
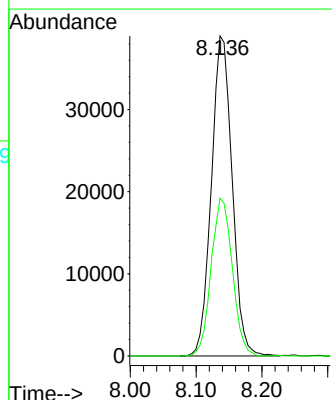
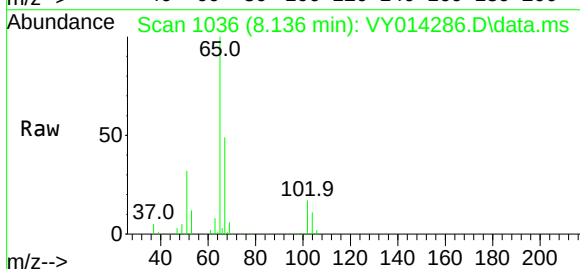
RT: 8.136 min Scan# 1036

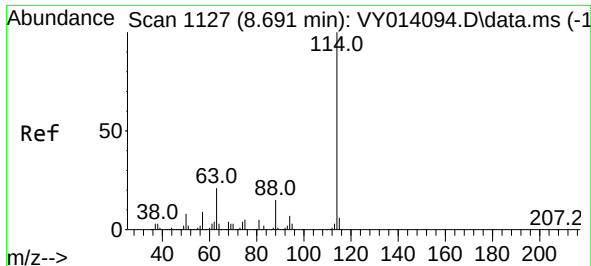
Delta R.T. -0.006 min

Lab File: VY014286.D

Acq: 20 Jun 2023 16:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 85750 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 50.2  | 0.0   | 101.8 |

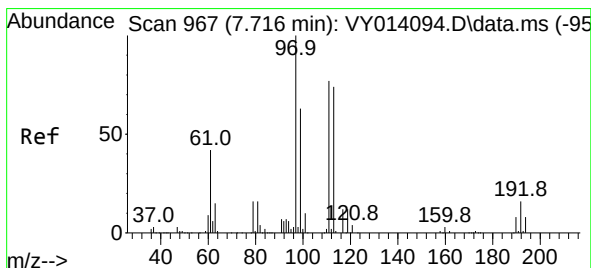
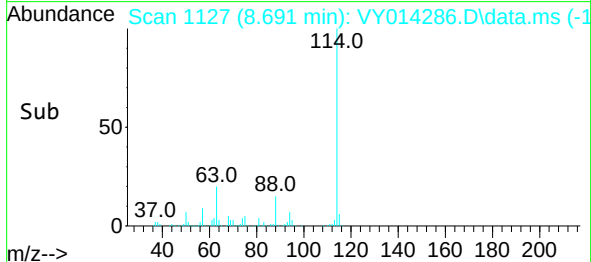
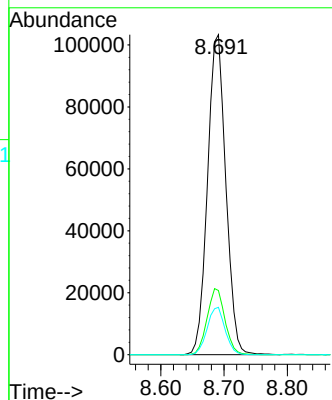
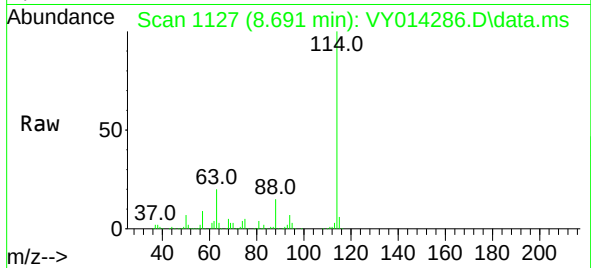




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VY014286.D  
Acq: 20 Jun 2023 16:19

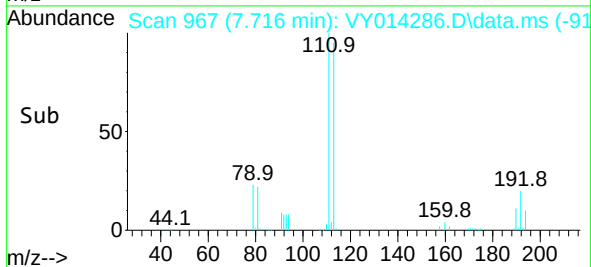
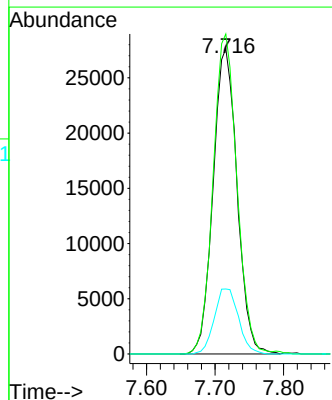
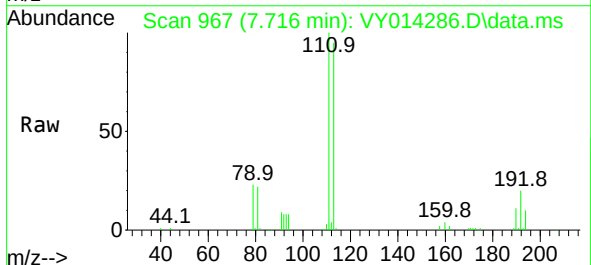
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TOTAL-VOC-TW-07-GRAB-6

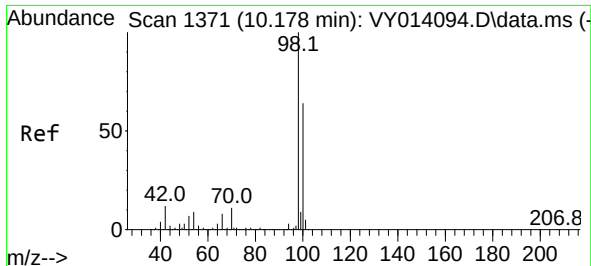
Tgt Ion:114 Resp: 207604  
Ion Ratio Lower Upper  
114 100  
63 20.1 0.0 42.4  
88 14.8 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 45.569 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY014286.D  
Acq: 20 Jun 2023 16:19

Tgt Ion:113 Resp: 67090  
Ion Ratio Lower Upper  
113 100  
111 104.4 81.3 121.9  
192 21.5 16.9 25.3

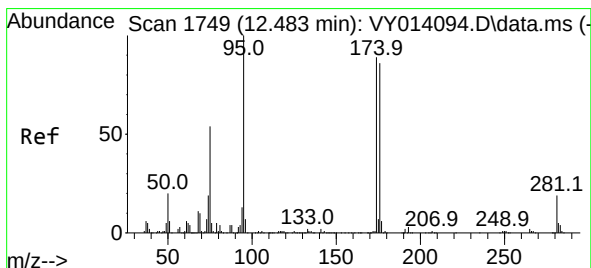
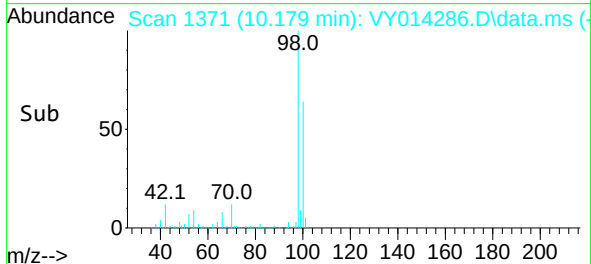
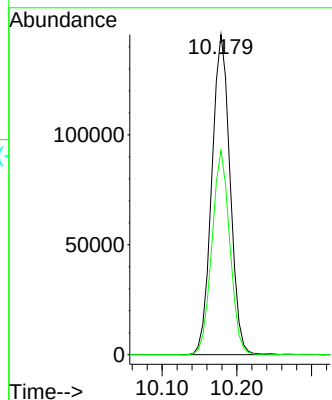
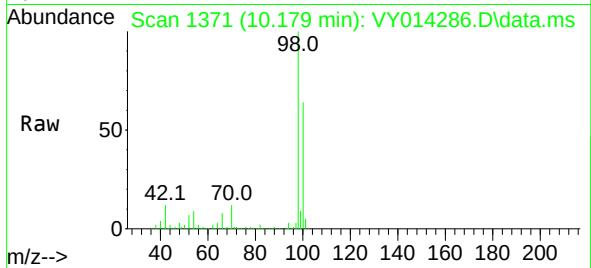




#50  
Toluene-d8  
Concen: 44.998 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.001 min  
Lab File: VY014286.D  
Acq: 20 Jun 2023 16:19

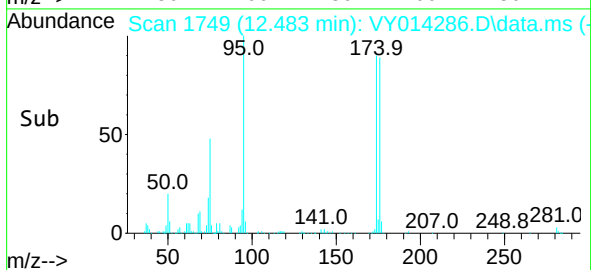
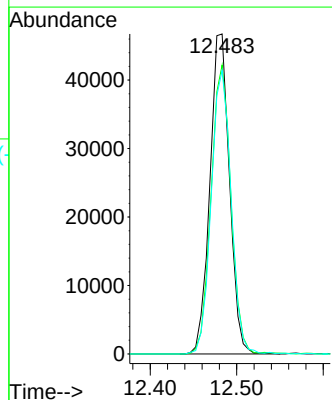
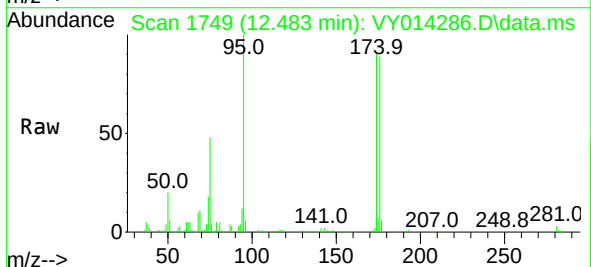
Instrument : MSVOA\_Y  
ClientSampleId : TOTAL-VOC-TW-07-GRAB-6

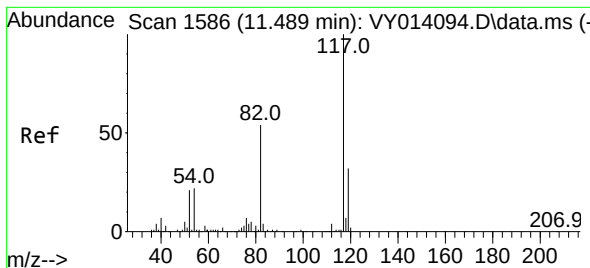
Tgt Ion: 98 Resp: 247681  
Ion Ratio Lower Upper  
98 100  
100 62.5 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 37.535 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY014286.D  
Acq: 20 Jun 2023 16:19

Tgt Ion: 95 Resp: 73391  
Ion Ratio Lower Upper  
95 100  
174 91.1 0.0 178.2  
176 89.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014286.D

Acq: 20 Jun 2023 16:19

Instrument :

MSVOA\_Y

ClientSampleId :

TOTAL-VOC-TW-07-GRAB-6

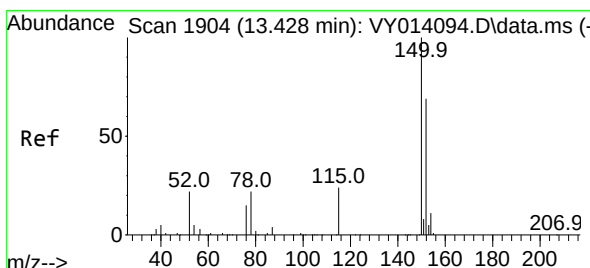
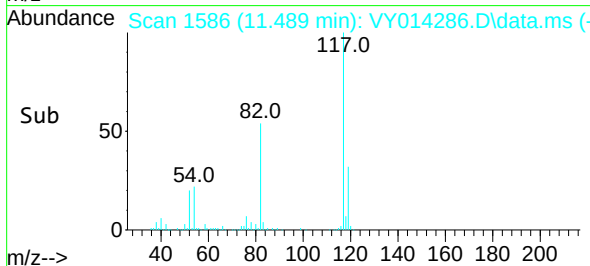
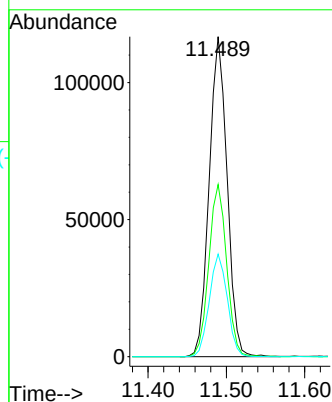
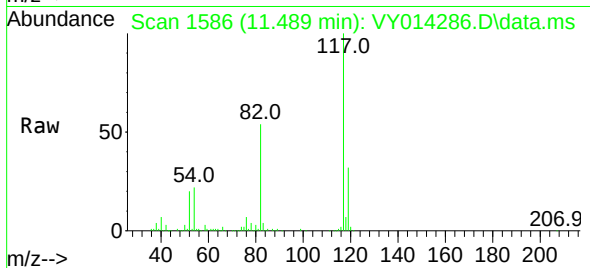
Tgt Ion:117 Resp: 185323

Ion Ratio Lower Upper

117 100

82 53.8 43.4 65.0

119 32.1 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014286.D

Acq: 20 Jun 2023 16:19

Tgt Ion:152 Resp: 79458

Ion Ratio Lower Upper

152 100

115 55.3 28.8 86.5

150 157.7 0.0 348.8

