

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061623\  
 Data File : VY014219.D  
 Acq On : 16 Jun 2023 21:28  
 Operator : KP/MD  
 Sample : 03224-16RE  
 Misc : 5.32g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TOTAL-VOC-SB-15-GRAB-6RE

Quant Time: Jun 16 23:27:40 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

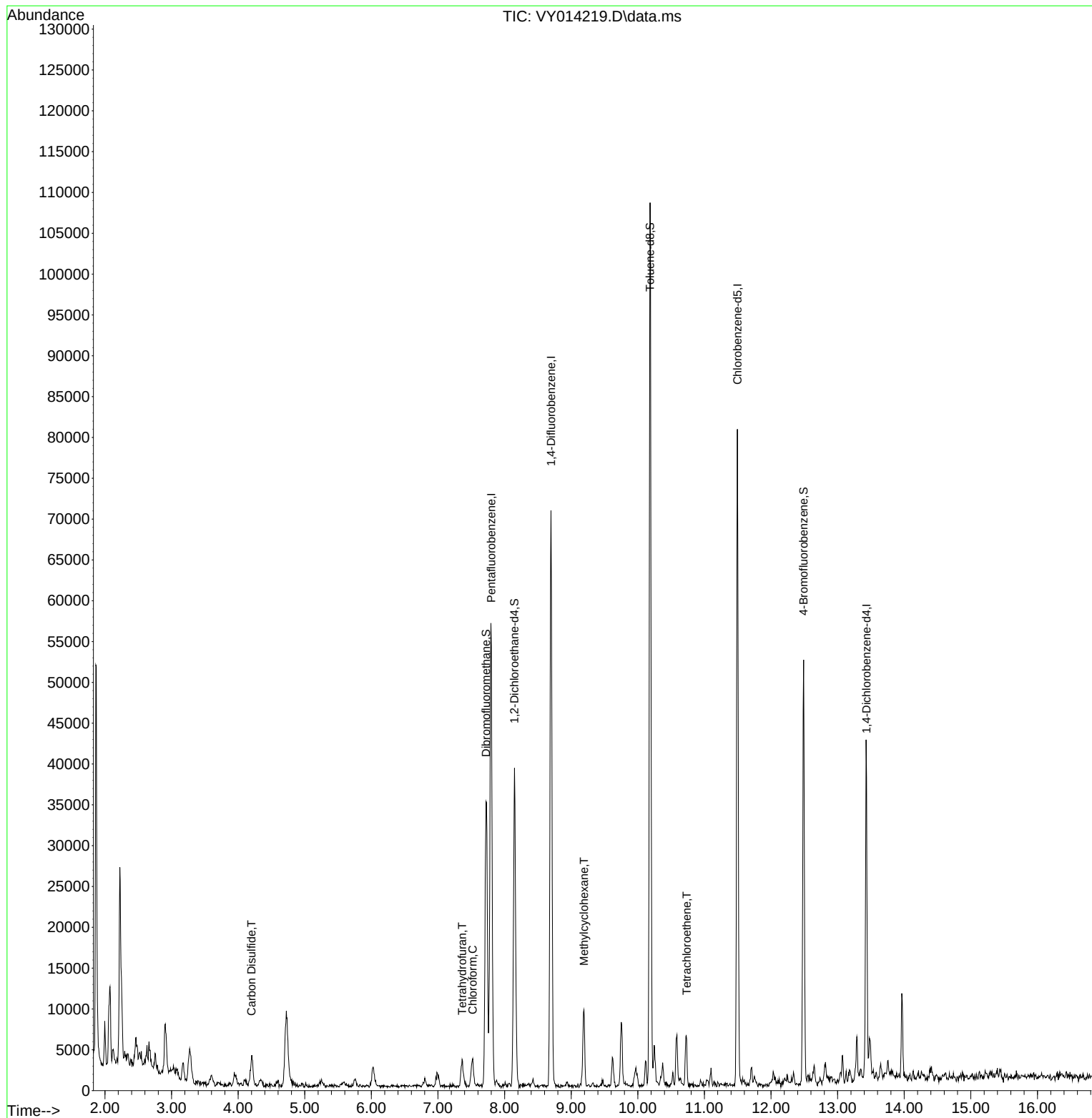
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.801     | 168   | 40770    | 50.000   | ug/l       | 0.01     |
| 34) 1,4-Difluorobenzene     | 8.697     | 114   | 59184    | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.495    | 117   | 43300    | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.434    | 152   | 10808    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.149     | 65    | 30752    | 54.167   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | = 108.340% |          |
| 35) Dibromofluoromethane    | 7.722     | 113   | 24942    | 59.425   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | = 118.860% |          |
| 50) Toluene-d8              | 10.185    | 98    | 71125    | 45.327   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 58 - 134 | Recovery | = 90.660%  |          |
| 62) 4-Bromofluorobenzene    | 12.489    | 95    | 12421    | 22.283   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 30 - 143 | Recovery | = 44.560%  |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          |            | Qvalue   |
| 17) Carbon Disulfide        | 4.198     | 76    | 7232     | 4.794    | ug/l #     | 88       |
| 29) Tetrahydrofuran         | 7.362     | 42    | 2405     | 18.004   | ug/l       | 99       |
| 30) Chloroform              | 7.521     | 83    | 2838     | 2.872    | ug/l       | 99       |
| 39) Methylcyclohexane       | 9.191     | 83    | 3424     | 4.716    | ug/l       | 92       |
| 64) Tetrachloroethene       | 10.733    | 164   | 1459     | 3.953    | ug/l #     | 80       |
| -----                       |           |       |          |          |            |          |

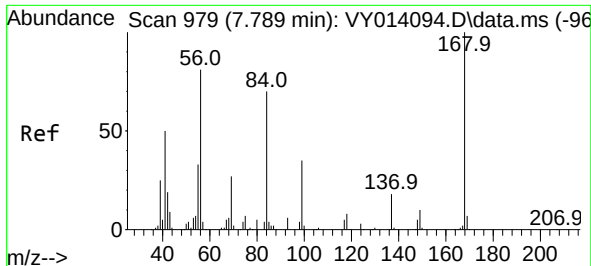
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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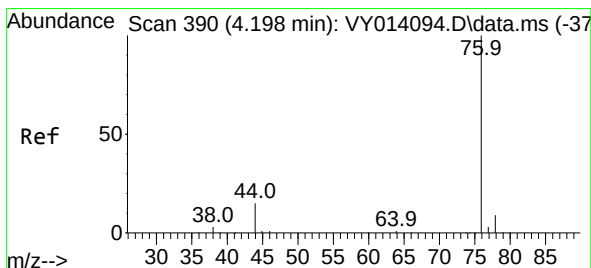
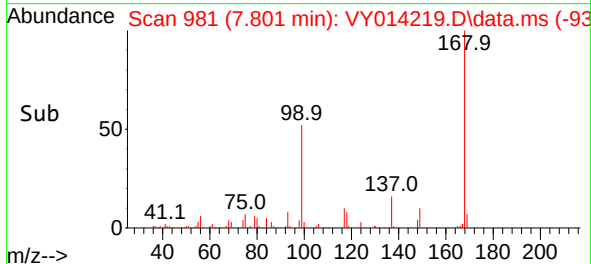
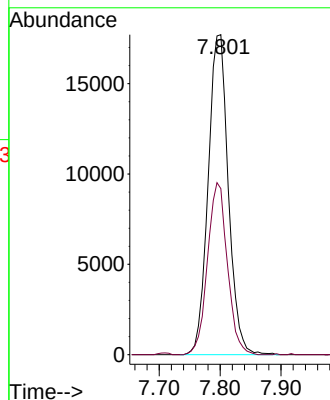
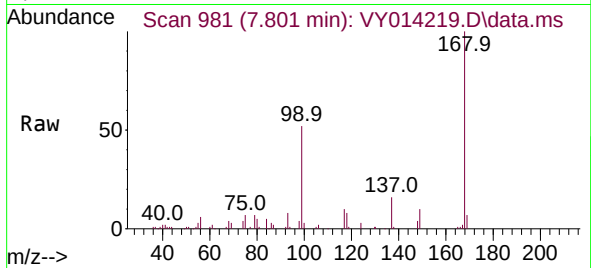




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY014219.D  
Acq: 16 Jun 2023 21:28

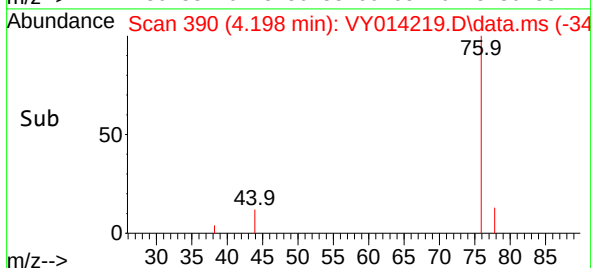
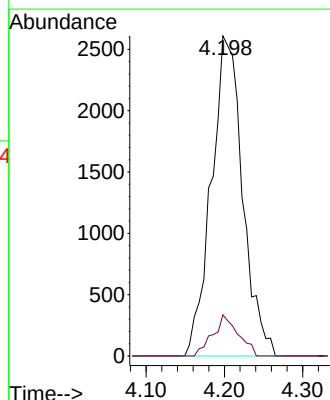
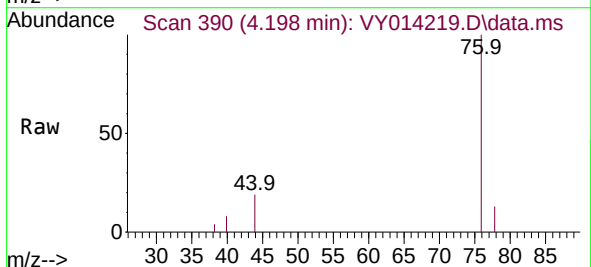
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TOTAL-VOC-SB-15-GRAB-6RE

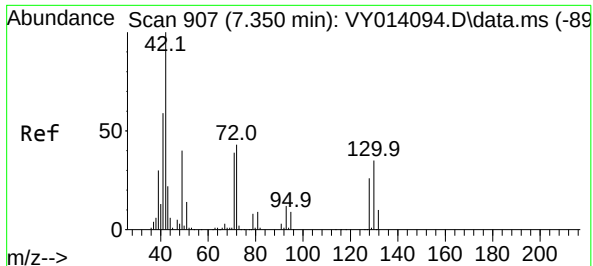
Tgt Ion:168 Resp: 40770  
Ion Ratio Lower Upper  
168 100  
99 51.9 43.4 65.0



#17  
Carbon Disulfide  
Concen: 4.794 ug/l  
RT: 4.198 min Scan# 390  
Delta R.T. 0.000 min  
Lab File: VY014219.D  
Acq: 16 Jun 2023 21:28

Tgt Ion: 76 Resp: 7232  
Ion Ratio Lower Upper  
76 100  
78 12.8 7.0 10.4#





#29

Tetrahydrofuran

Concen: 18.004 ug/l

RT: 7.362 min Scan# 907

Delta R.T. 0.012 min

Lab File: VY014219.D

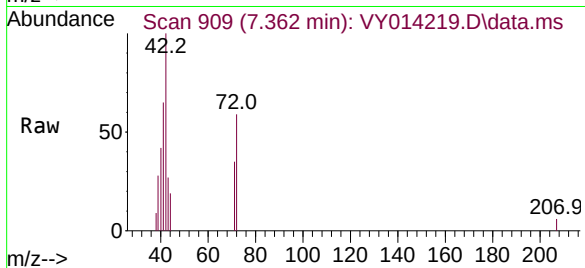
Acq: 16 Jun 2023 21:28

Instrument :

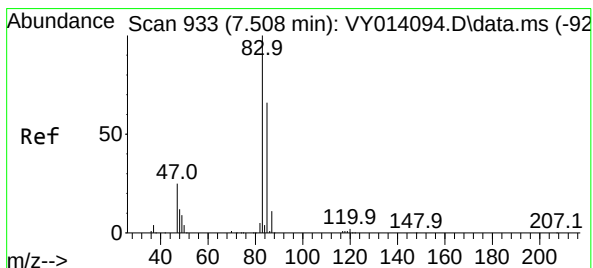
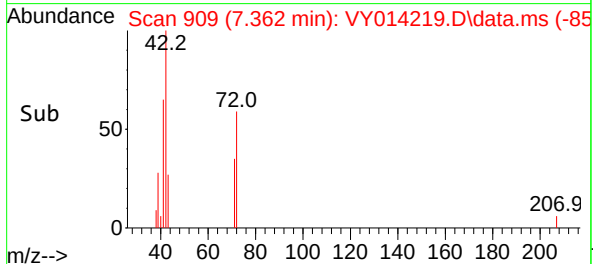
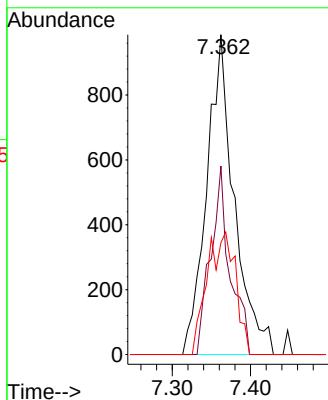
MSVOA\_Y

ClientSampleId :

TOTAL-VOC-SB-15-GRAB-6RE



| Tgt Ion: | 42    | Resp: | 2405  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 41.6  | 32.8  | 49.2  |
| 71       | 39.7  | 31.0  | 46.4  |



#30

Chloroform

Concen: 2.872 ug/l

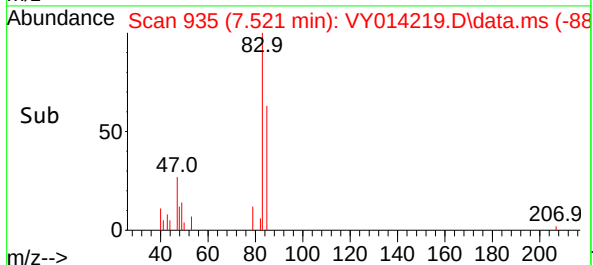
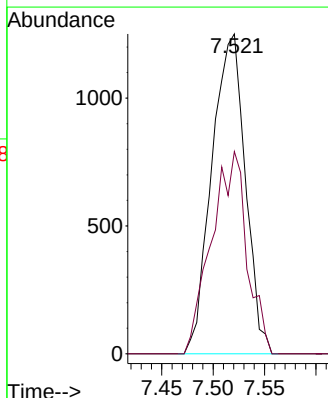
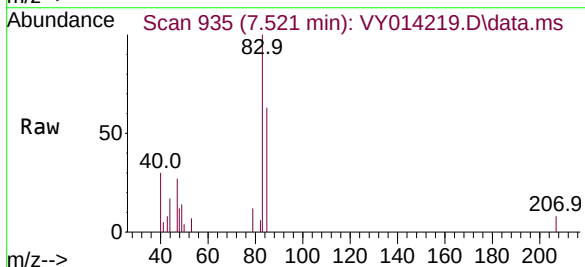
RT: 7.521 min Scan# 935

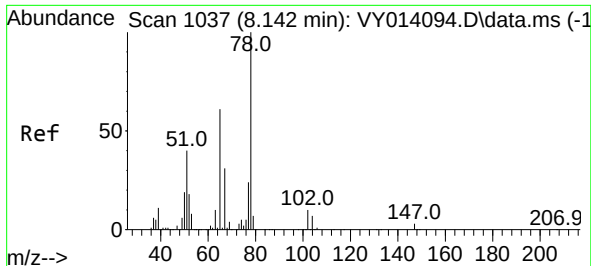
Delta R.T. 0.013 min

Lab File: VY014219.D

Acq: 16 Jun 2023 21:28

| Tgt Ion: | 83    | Resp: | 2838  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 63.2  | 49.7  | 74.5  |





#33

1,2-Dichloroethane-d4

Concen: 54.167 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.007 min

Lab File: VY014219.D

Acq: 16 Jun 2023 21:28

Instrument :

MSVOA\_Y

ClientSampleId :

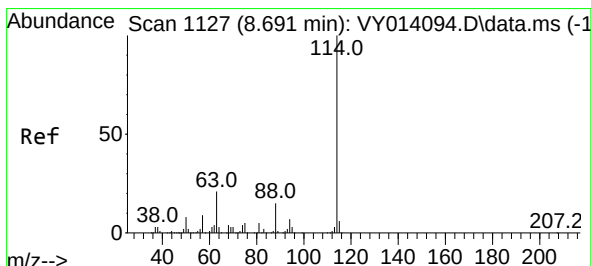
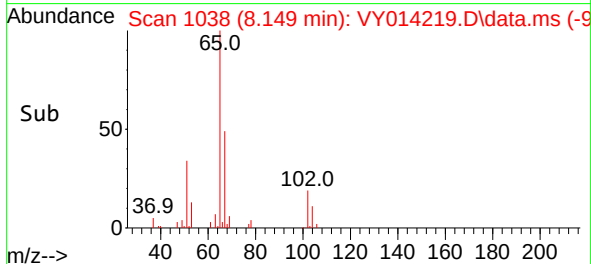
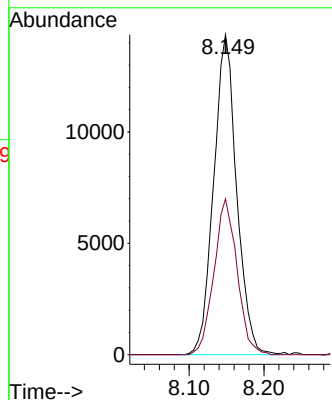
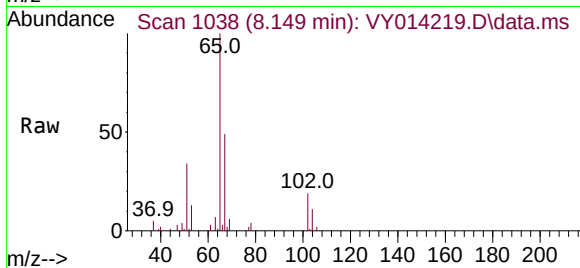
TOTAL-VOC-SB-15-GRAB-6RE

Tgt Ion: 65 Resp: 30752

Ion Ratio Lower Upper

65 100

67 48.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY014219.D

Acq: 16 Jun 2023 21:28

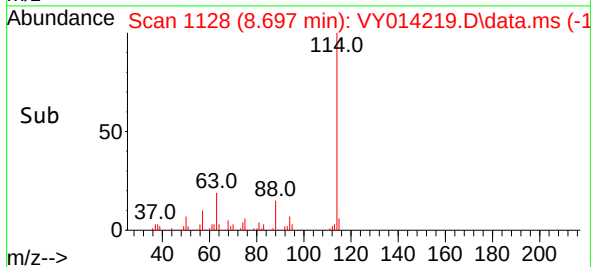
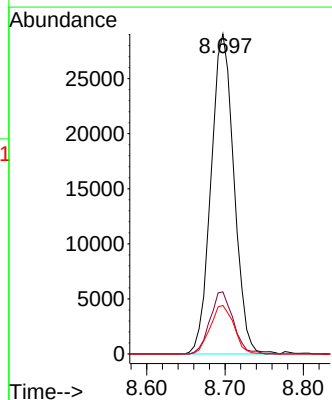
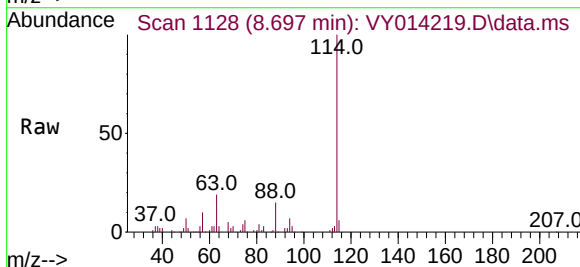
Tgt Ion: 114 Resp: 59184

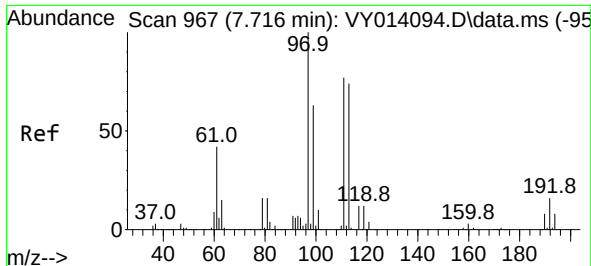
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 15.1 0.0 30.6

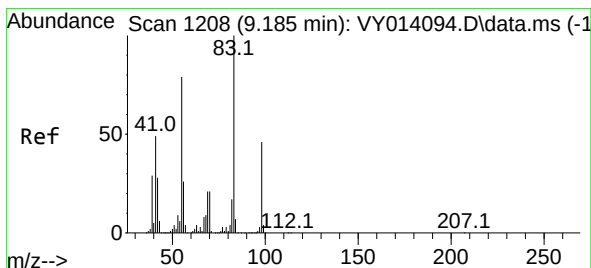
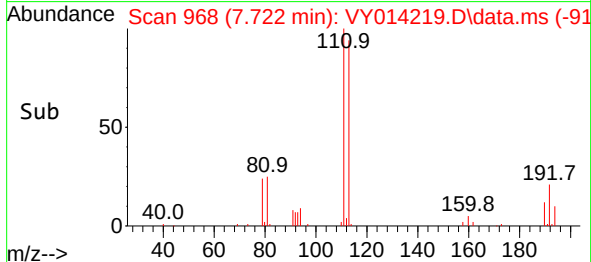
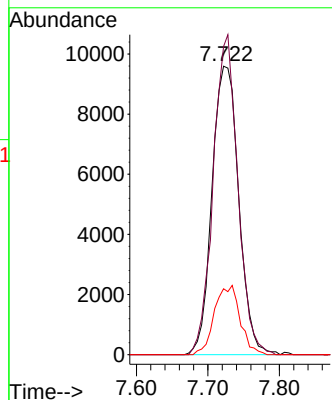
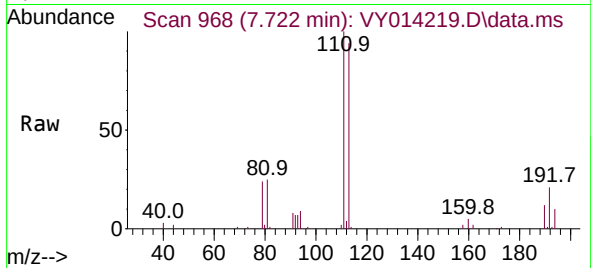




#35  
Dibromofluoromethane  
Concen: 59.425 ug/l  
RT: 7.722 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY014219.D  
Acq: 16 Jun 2023 21:28

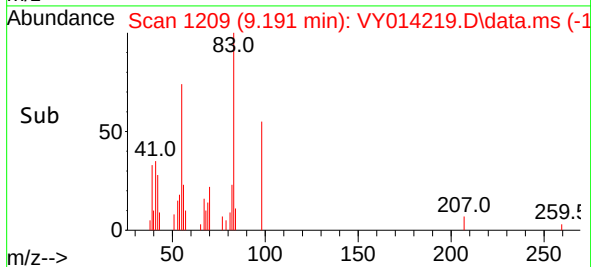
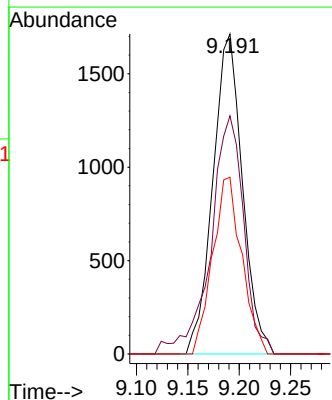
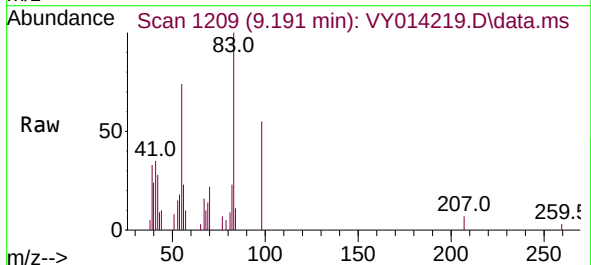
Instrument :  
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TOTAL-VOC-SB-15-GRAB-6RE

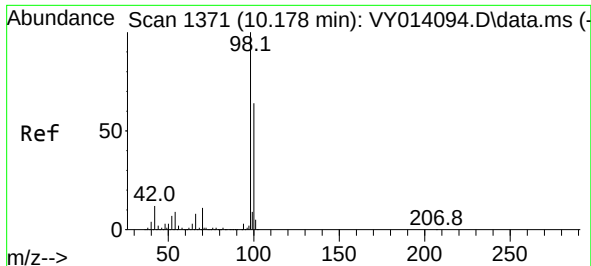
Tgt Ion:113 Resp: 24942  
Ion Ratio Lower Upper  
113 100  
111 102.0 81.3 121.9  
192 23.0 16.9 25.3



#39  
Methylcyclohexane  
Concen: 4.716 ug/l  
RT: 9.191 min Scan# 1209  
Delta R.T. 0.006 min  
Lab File: VY014219.D  
Acq: 16 Jun 2023 21:28

Tgt Ion: 83 Resp: 3424  
Ion Ratio Lower Upper  
83 100  
55 74.4 63.0 94.4  
98 55.3 37.4 56.2

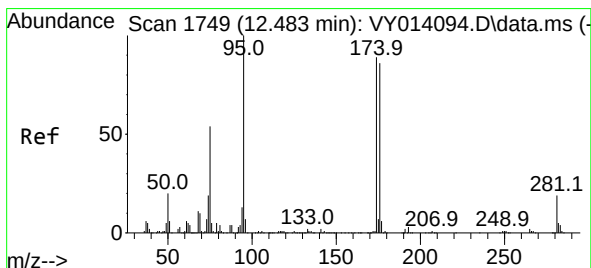
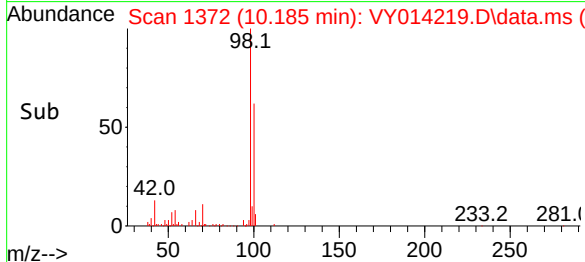
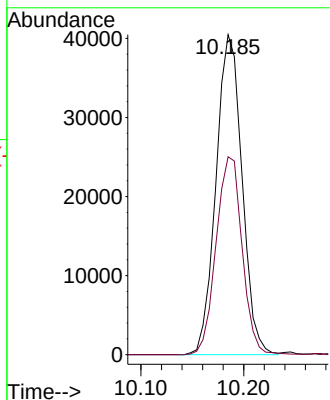
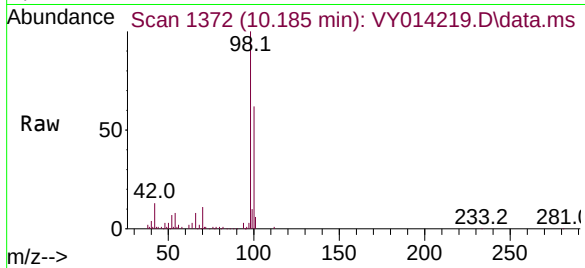




#50  
Toluene-d8  
Concen: 45.327 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.007 min  
Lab File: VY014219.D  
Acq: 16 Jun 2023 21:28

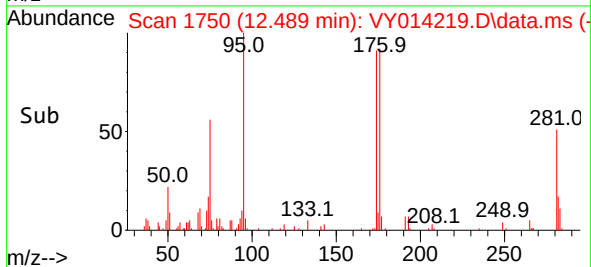
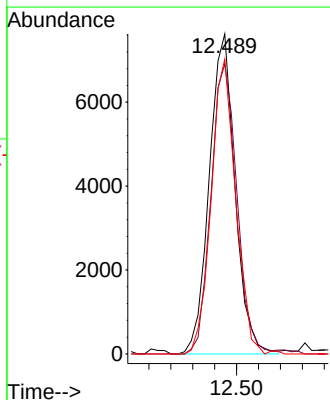
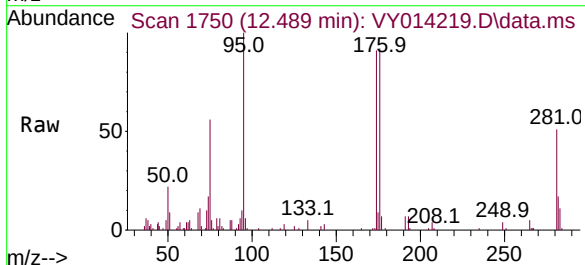
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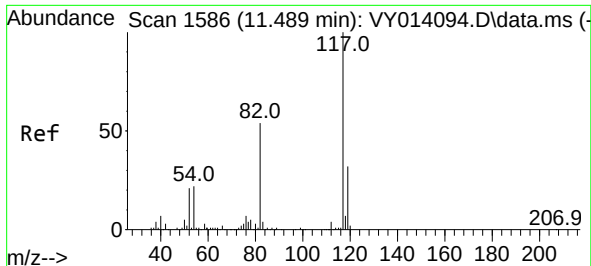
Tgt Ion: 98 Resp: 71125  
Ion Ratio Lower Upper  
98 100  
100 61.8 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 22.283 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.006 min  
Lab File: VY014219.D  
Acq: 16 Jun 2023 21:28

Tgt Ion: 95 Resp: 12421  
Ion Ratio Lower Upper  
95 100  
174 92.2 0.0 178.2  
176 87.6 0.0 173.8

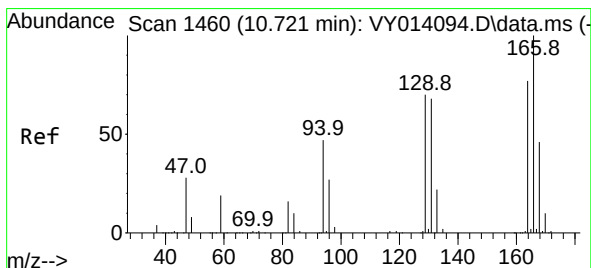
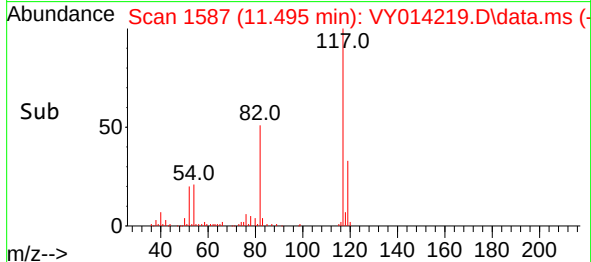
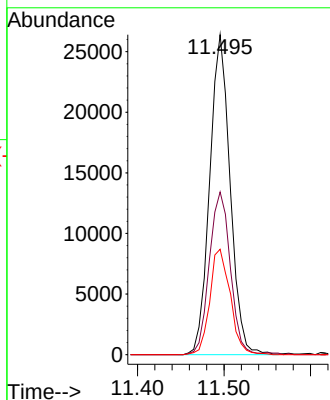
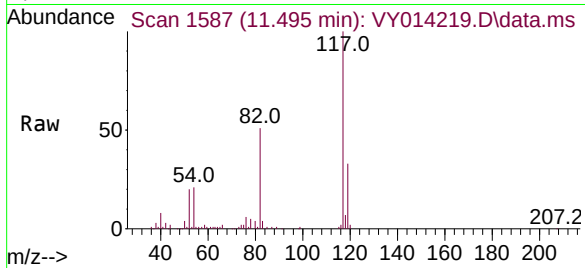




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.495 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY014219.D  
Acq: 16 Jun 2023 21:28

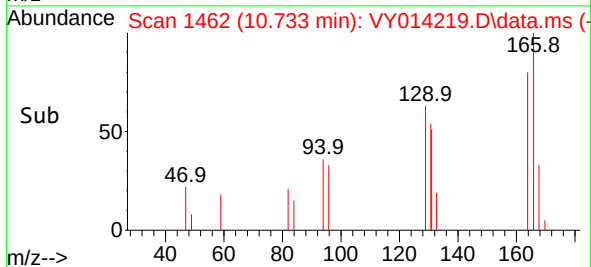
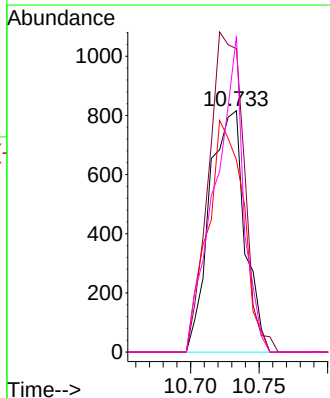
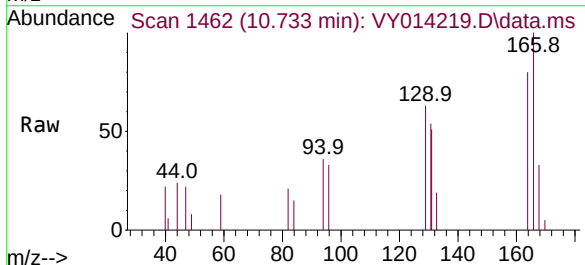
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TOTAL-VOC-SB-15-GRAB-6RE

Tgt Ion:117 Resp: 43300  
Ion Ratio Lower Upper  
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82 50.8 43.4 65.0  
119 32.9 26.3 39.5

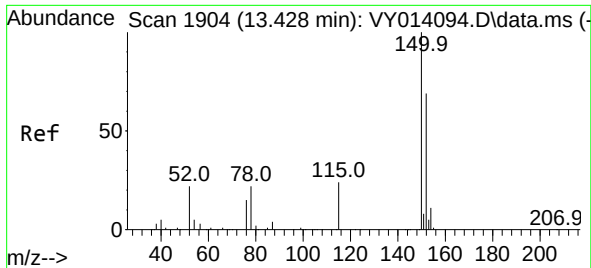


#64  
Tetrachloroethene  
Concen: 3.953 ug/l  
RT: 10.733 min Scan# 1462  
Delta R.T. 0.012 min  
Lab File: VY014219.D  
Acq: 16 Jun 2023 21:28

Tgt Ion:164 Resp: 1459  
Ion Ratio Lower Upper  
164 100  
166 125.7 103.0 154.6  
129 79.5 77.2 115.8  
131 131.0 69.6 104.4#







#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY014219.D

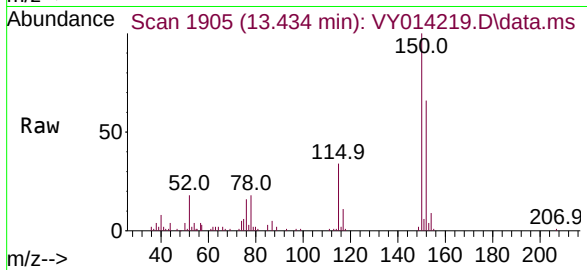
Acq: 16 Jun 2023 21:28

Instrument :

MSVOA\_Y

ClientSampleId :

TOTAL-VOC-SB-15-GRAB-6RE



Tgt Ion:152 Resp: 10808

Ion Ratio Lower Upper

152 100

115 53.9 28.8 86.5

150 155.8 0.0 348.8

