

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112223\  
 Data File : VY016457.D  
 Acq On : 22 Nov 2023 13:13  
 Operator : SY/MD  
 Sample : 05449-02  
 Misc : 5.18g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-SED-01-G

Quant Time: Nov 23 04:05:34 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 09 00:45:52 2023  
 Response via : Initial Calibration

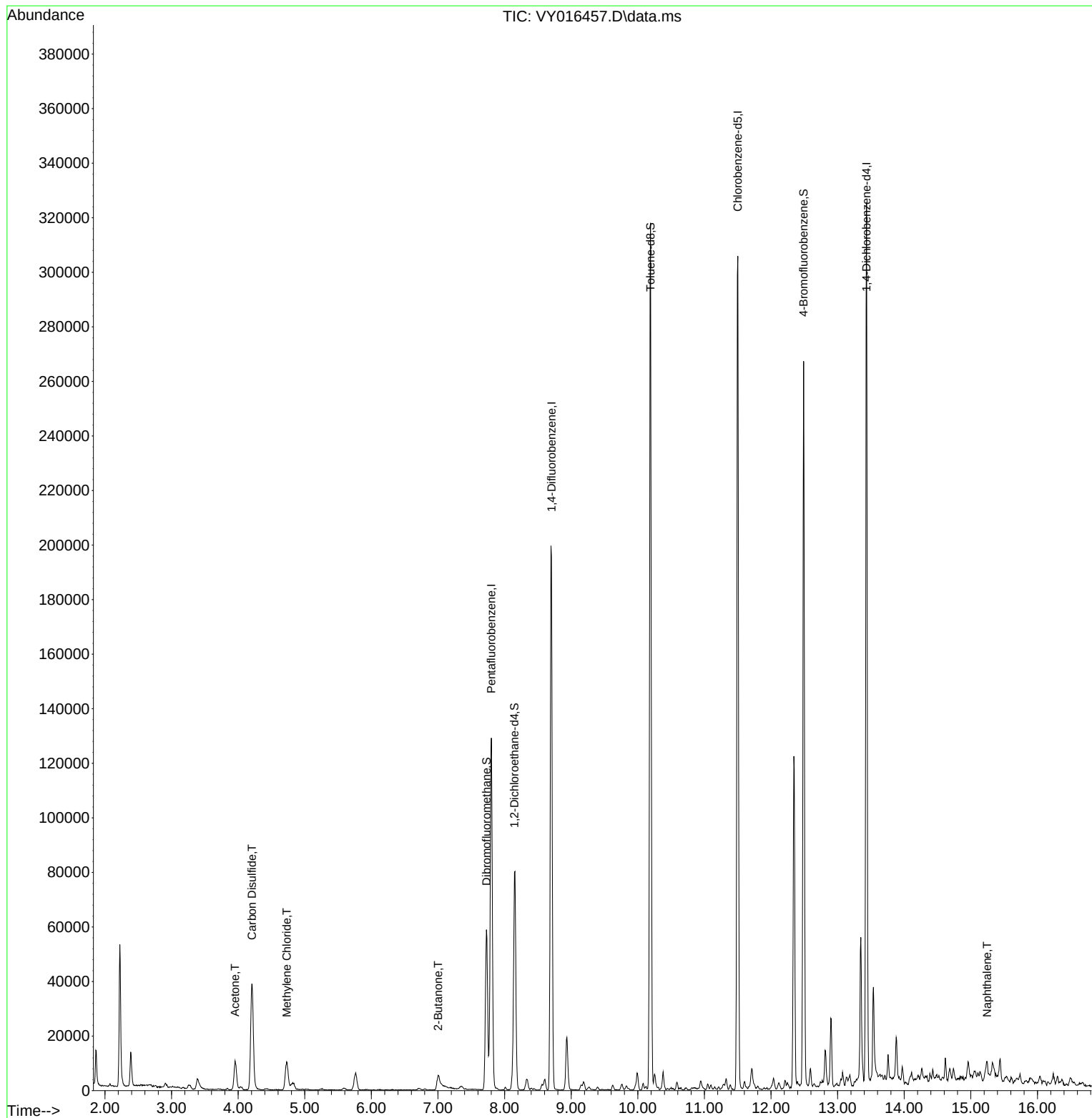
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.801  | 168   | 101984   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.703  | 114   | 181862   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.502 | 117   | 179531   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.434 | 152   | 85060    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 63066    | 67.661   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 135.320% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 42342    | 40.986   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 81.980%  |
| 50) Toluene-d8              | 10.191 | 98    | 212921   | 50.824   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 101.640% |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 81014    | 59.540   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 119.080% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 3.954  | 43    | 18221    | 118.180  | ug/l # | 84       |
| 17) Carbon Disulfide        | 4.204  | 76    | 76980    | 24.756   | ug/l   | 100      |
| 20) Methylene Chloride      | 4.728  | 84    | 8592     | 4.738    | ug/l # | 84       |
| 25) 2-Butanone              | 7.002  | 43    | 5879     | 21.770   | ug/l   | 90       |
| 95) Naphthalene             | 15.245 | 128   | 4045     | 1.510    | ug/l   | 99       |
| -----                       |        |       |          |          |        |          |

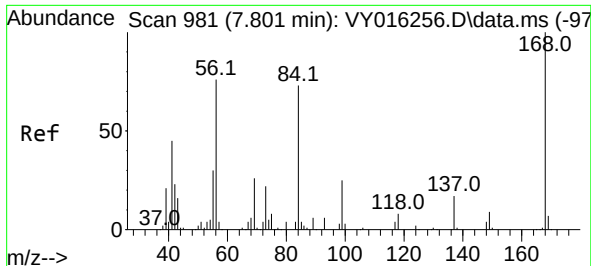
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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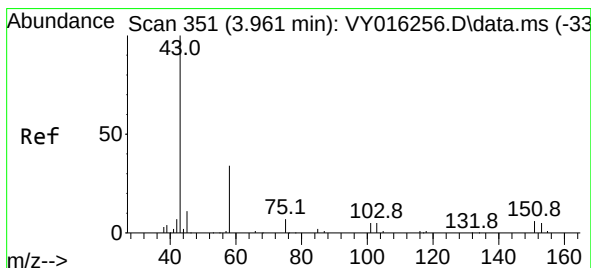
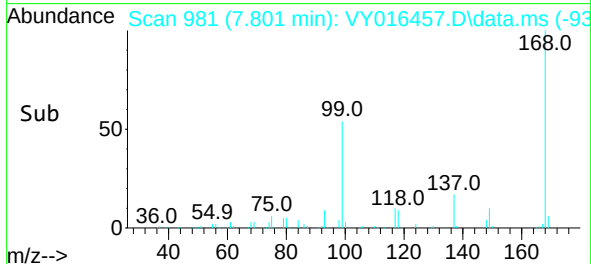
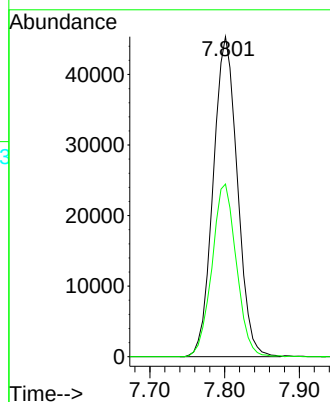
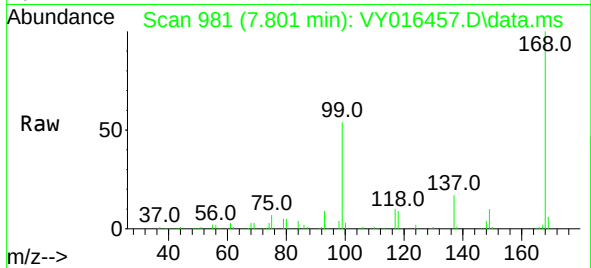




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY016457.D  
Acq: 22 Nov 2023 13:13

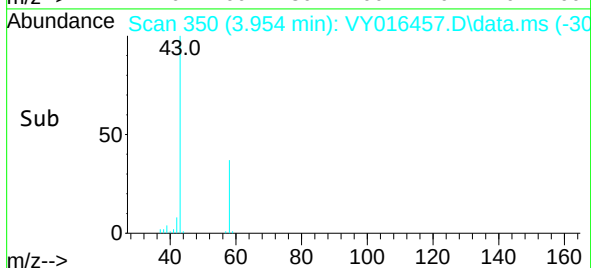
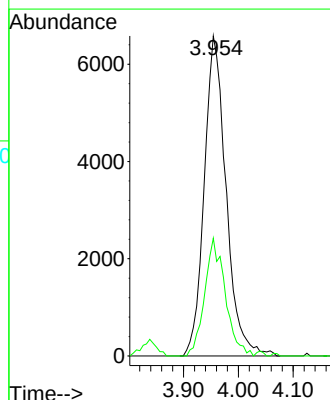
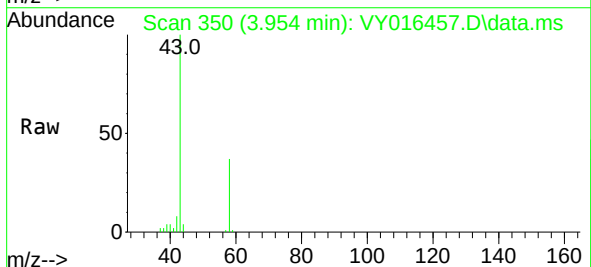
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ClientSampleId :  
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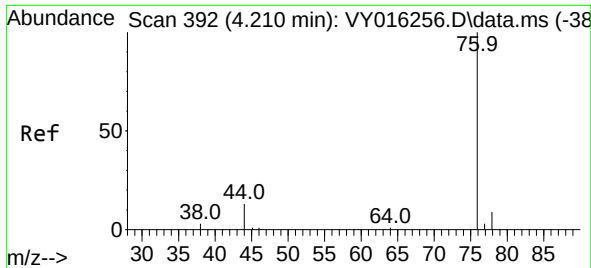
Tgt Ion:168 Resp: 101984  
Ion Ratio Lower Upper  
168 100  
99 54.0 43.4 65.0



#16  
Acetone  
Concen: 118.180 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. -0.006 min  
Lab File: VY016457.D  
Acq: 22 Nov 2023 13:13

Tgt Ion: 43 Resp: 18221  
Ion Ratio Lower Upper  
43 100  
58 36.8 22.7 34.1#

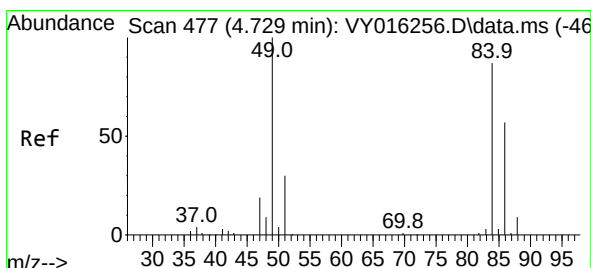
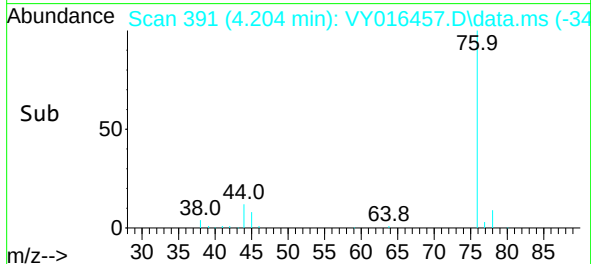
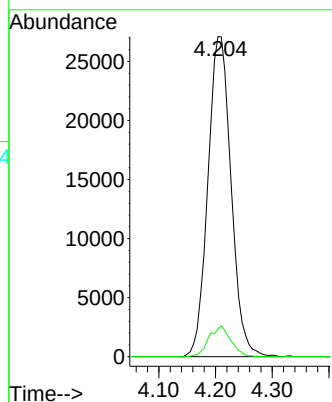
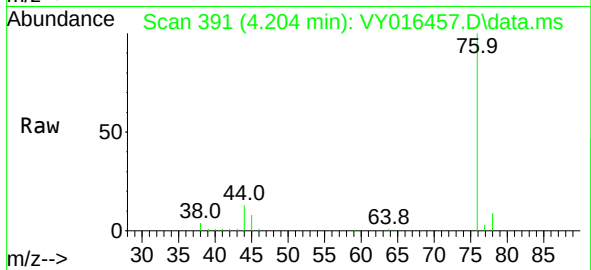




#17  
Carbon Disulfide  
Concen: 24.756 ug/l  
RT: 4.204 min Scan# 392  
Delta R.T. -0.006 min  
Lab File: VY016457.D  
Acq: 22 Nov 2023 13:13

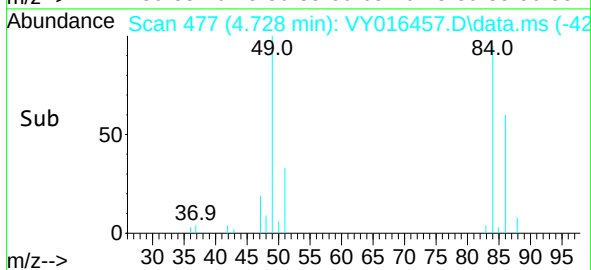
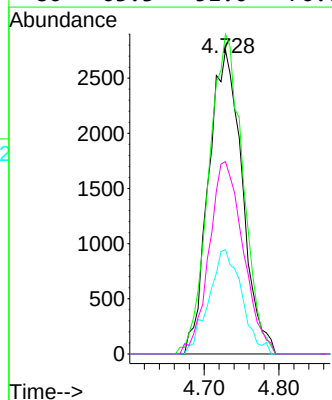
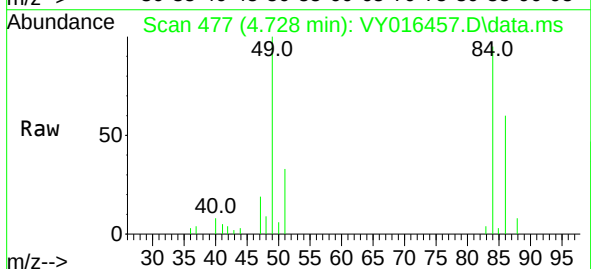
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-SED-01-G

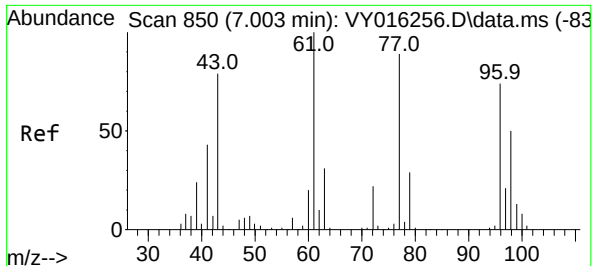
Tgt Ion: 76 Resp: 76980  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.0 10.4



#20  
Methylene Chloride  
Concen: 4.738 ug/l  
RT: 4.728 min Scan# 477  
Delta R.T. -0.001 min  
Lab File: VY016457.D  
Acq: 22 Nov 2023 13:13

Tgt Ion: 84 Resp: 8592  
Ion Ratio Lower Upper  
84 100  
49 105.3 106.9 160.3#  
51 34.3 33.2 49.8  
86 63.3 51.0 76.6





#25

2-Butanone

Concen: 21.770 ug/l

RT: 7.002 min Scan# 81

Delta R.T. -0.000 min

Lab File: VY016457.D

Acq: 22 Nov 2023 13:13

Instrument :

MSVOA\_Y

ClientSampleId :

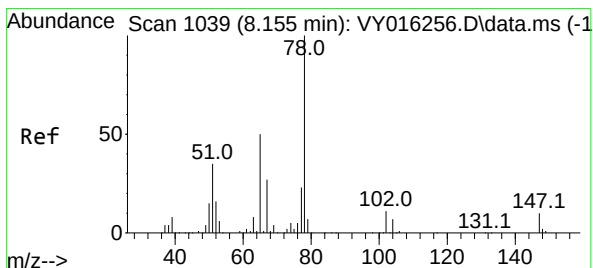
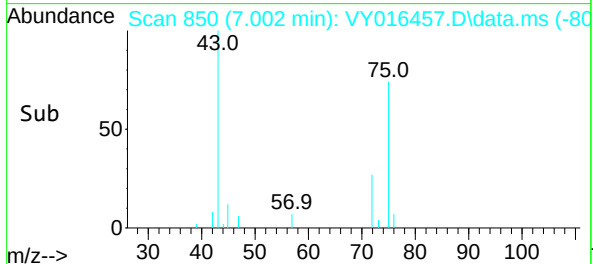
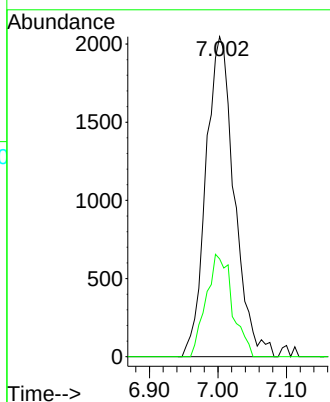
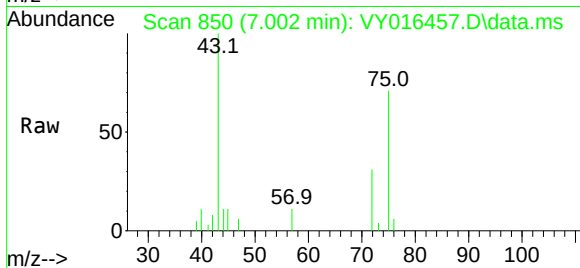
WC-SED-01-G

Tgt Ion: 43 Resp: 5879

Ion Ratio Lower Upper

43 100

72 30.6 20.5 30.7



#33

1,2-Dichloroethane-d4

Concen: 67.661 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. -0.006 min

Lab File: VY016457.D

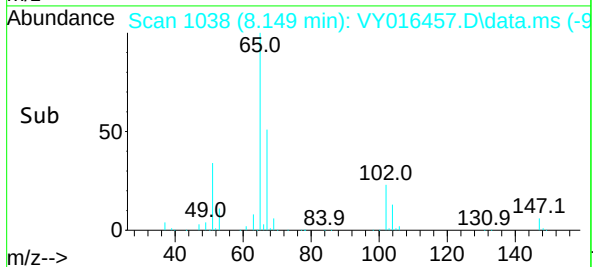
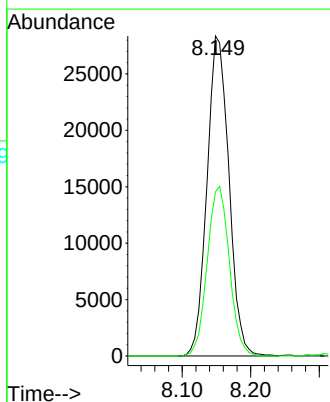
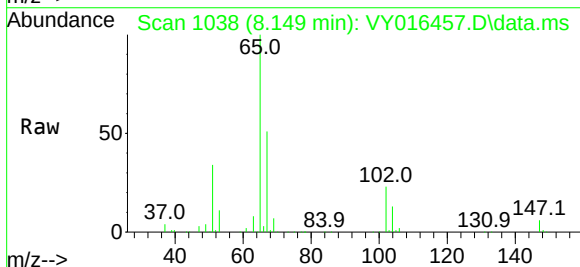
Acq: 22 Nov 2023 13:13

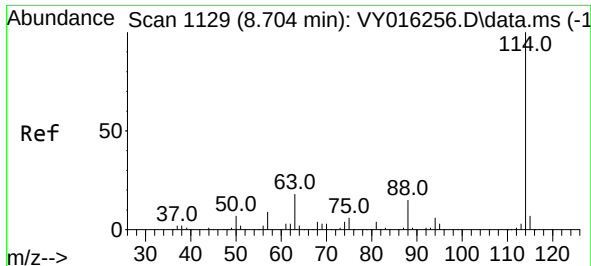
Tgt Ion: 65 Resp: 63066

Ion Ratio Lower Upper

65 100

67 53.5 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VY016457.D

Acq: 22 Nov 2023 13:13

Instrument :

MSVOA\_Y

ClientSampleId :

WC-SED-01-G

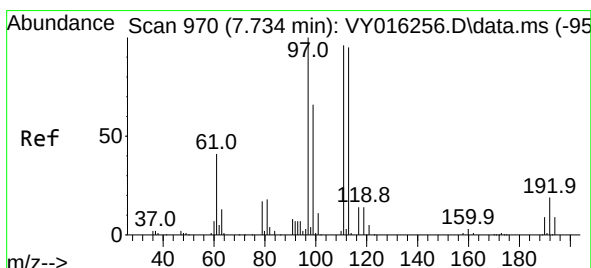
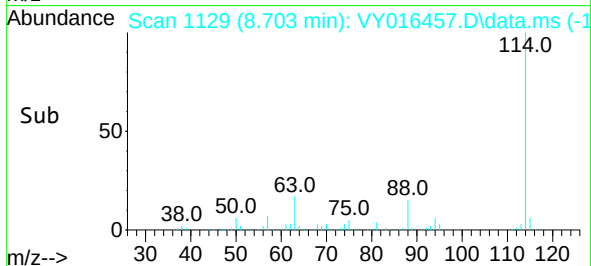
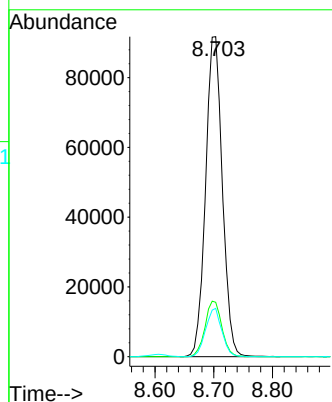
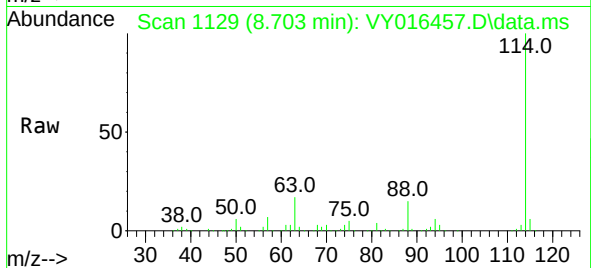
Tgt Ion:114 Resp: 181862

Ion Ratio Lower Upper

114 100

63 17.0 0.0 42.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 40.986 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY016457.D

Acq: 22 Nov 2023 13:13

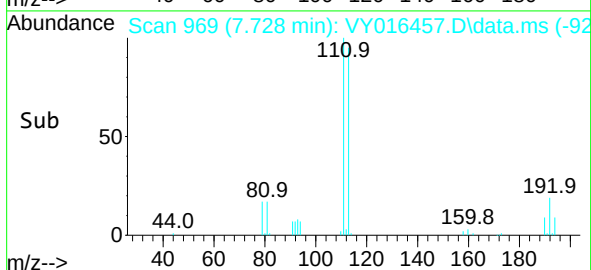
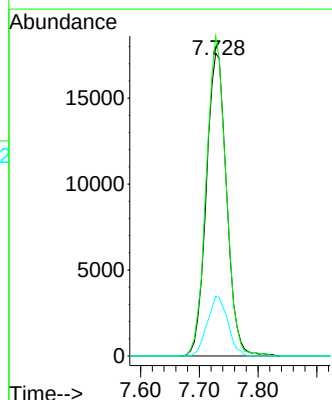
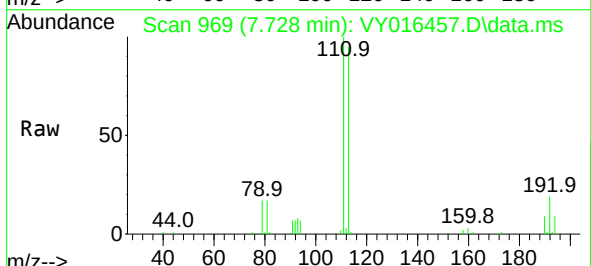
Tgt Ion:113 Resp: 42342

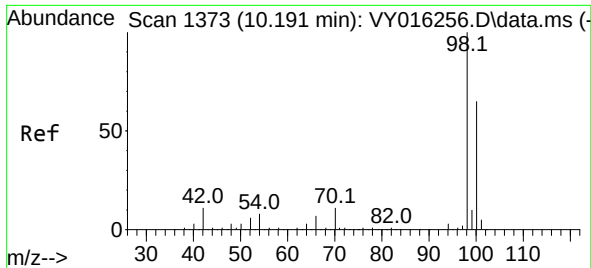
Ion Ratio Lower Upper

113 100

111 102.8 81.3 121.9

192 19.8 16.9 25.3

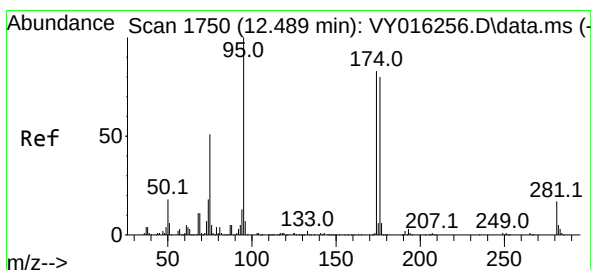
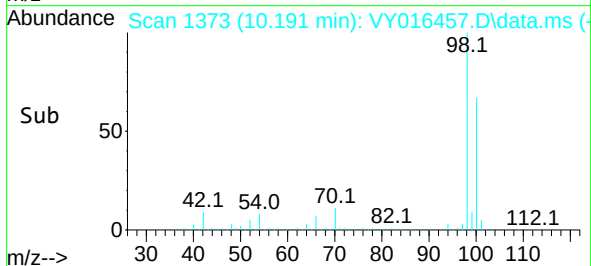
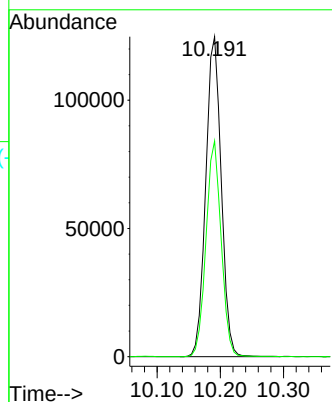
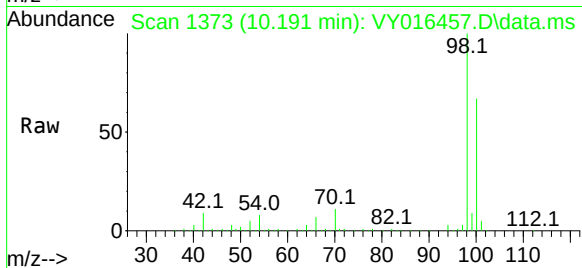




#50  
Toluene-d8  
Concen: 50.824 ug/l  
RT: 10.191 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY016457.D  
Acq: 22 Nov 2023 13:13

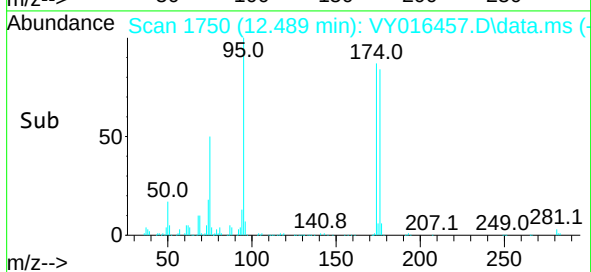
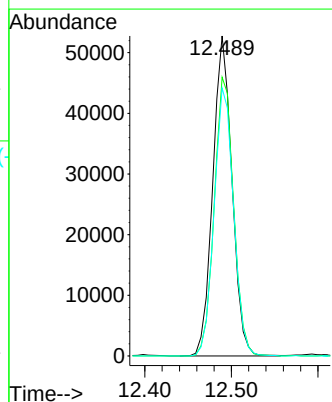
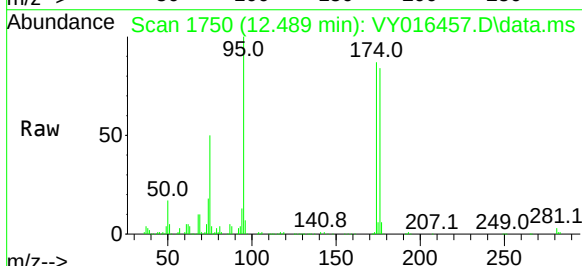
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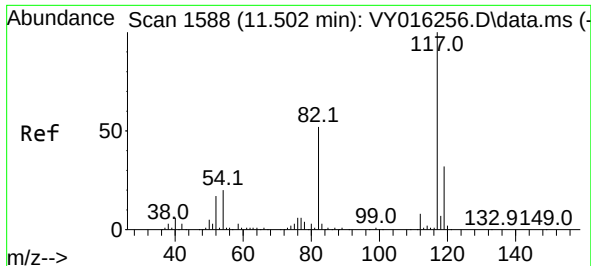
Tgt Ion: 98 Resp: 212921  
Ion Ratio Lower Upper  
98 100  
100 65.9 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 59.540 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.000 min  
Lab File: VY016457.D  
Acq: 22 Nov 2023 13:13

Tgt Ion: 95 Resp: 81014  
Ion Ratio Lower Upper  
95 100  
174 88.0 0.0 178.2  
176 85.1 0.0 173.8

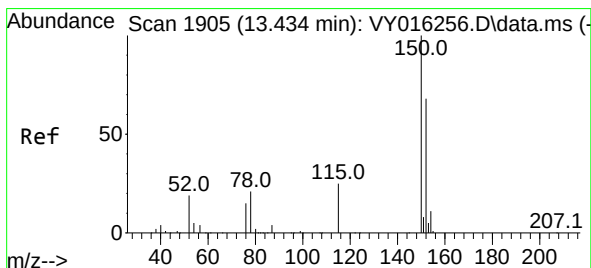
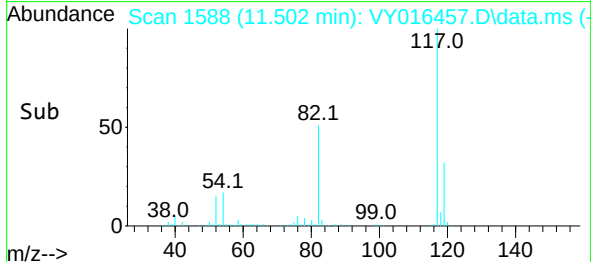
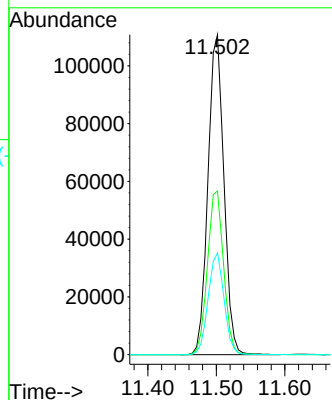
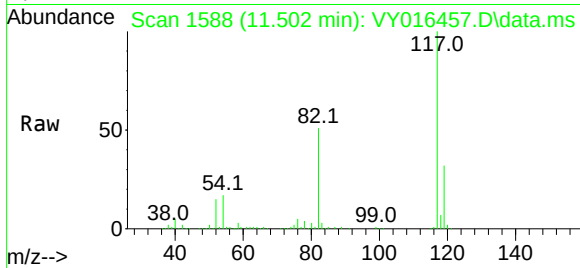




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.502 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VY016457.D  
Acq: 22 Nov 2023 13:13

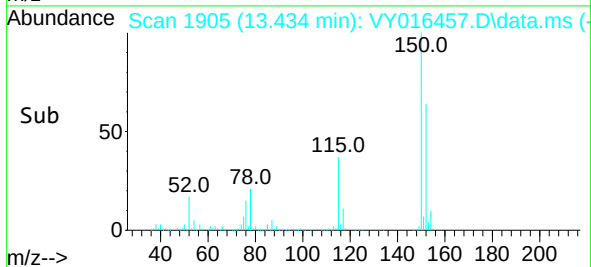
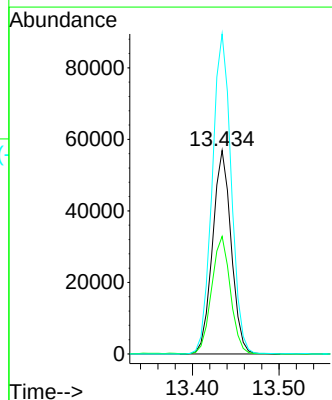
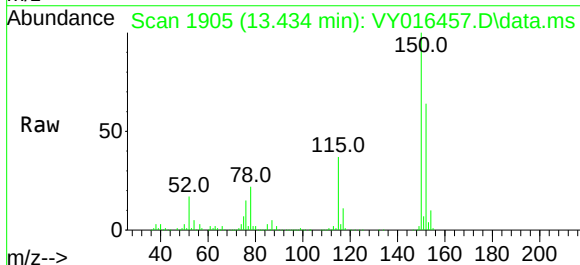
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Tgt Ion:117 Resp: 179531  
Ion Ratio Lower Upper  
117 100  
82 51.2 43.4 65.0  
119 31.8 26.3 39.5

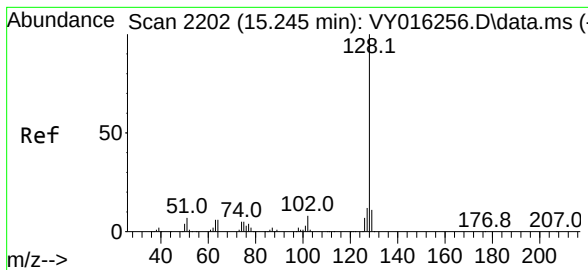


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.434 min Scan# 1905  
Delta R.T. -0.000 min  
Lab File: VY016457.D  
Acq: 22 Nov 2023 13:13

Tgt Ion:152 Resp: 85060  
Ion Ratio Lower Upper  
152 100  
115 58.3 28.8 86.5  
150 160.2 0.0 348.8

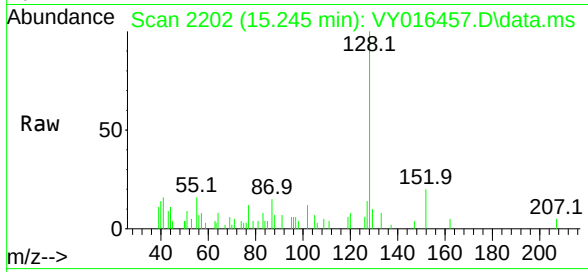






#95  
 Naphthalene  
 Concen: 1.510 ug/l  
 RT: 15.245 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VY016457.D  
 Acq: 22 Nov 2023 13:13

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
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|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 4045 |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 127       | 13.7  | 10.8  | 16.2 |
| 129       | 11.5  | 8.6   | 13.0 |

