

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060524\  
 Data File : VY018484.D  
 Acq On : 05 Jun 2024 14:57  
 Operator : SY/MD  
 Sample : P2681-02  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SLUDGE-DRUM

Quant Time: Jun 05 15:42:39 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060324S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 04 07:11:56 2024  
 Response via : Initial Calibration

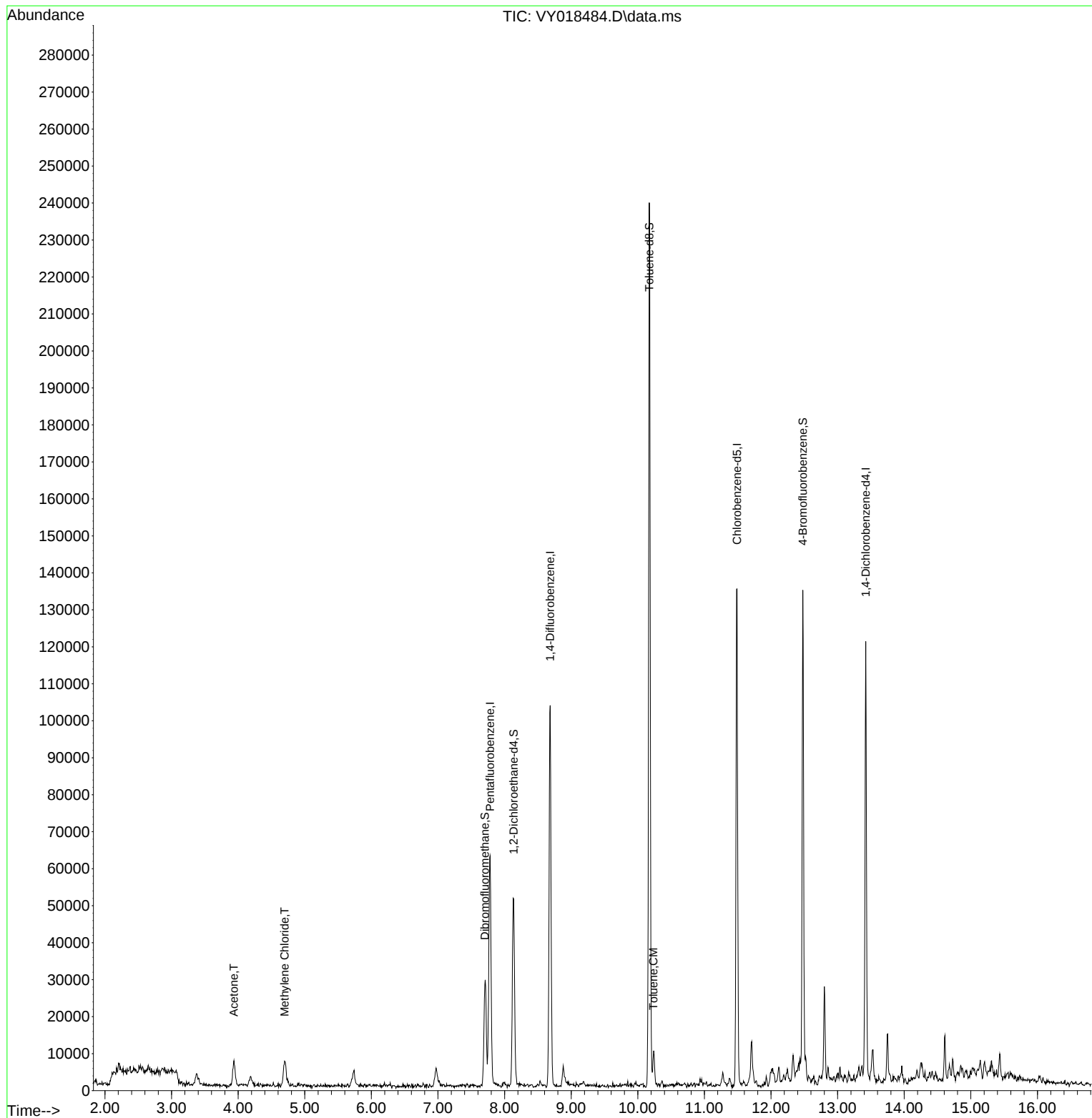
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.783  | 168   | 45432    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 85830    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 71352    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 26145    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 37270    | 41.773   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 83.540%  |
| 35) Dibromofluoromethane    | 7.704  | 113   | 21400    | 19.662   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 39.320%# |
| 50) Toluene-d8              | 10.173 | 98    | 148600   | 34.320   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 68.640%  |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 39082    | 28.990   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 57.980%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 3.936  | 43    | 10863    | 54.856   | ug/l   | 87       |
| 20) Methylene Chloride      | 4.698  | 84    | 4343     | 1.065    | ug/l # | 91       |
| 52) Toluene                 | 10.234 | 92    | 3455     | 1.130    | ug/l   | 97       |
| -----                       |        |       |          |          |        |          |

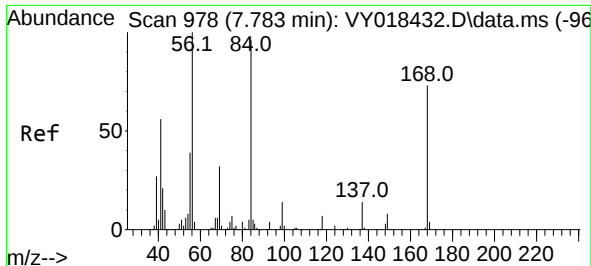
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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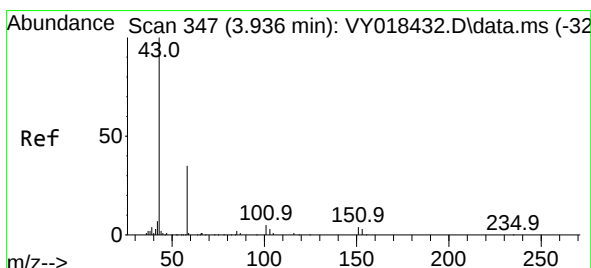
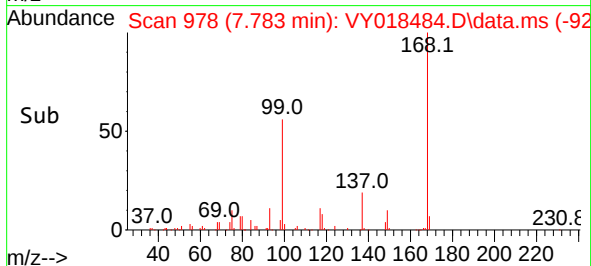
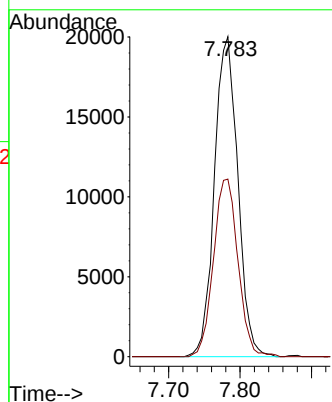
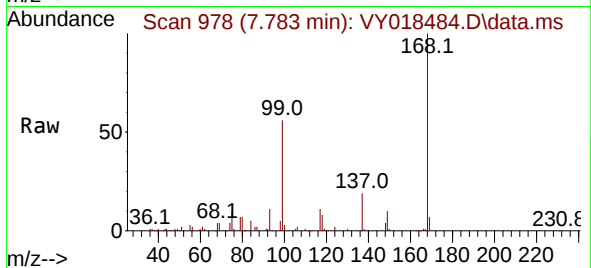




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY018484.D  
Acq: 05 Jun 2024 14:57

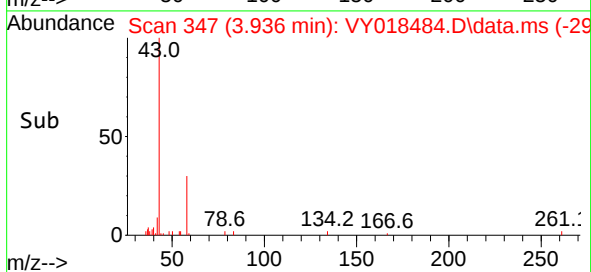
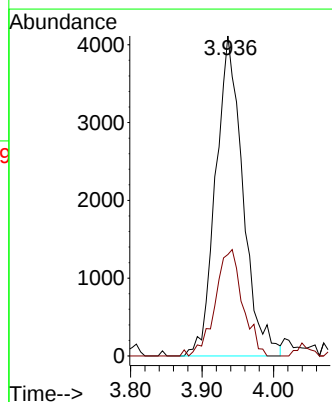
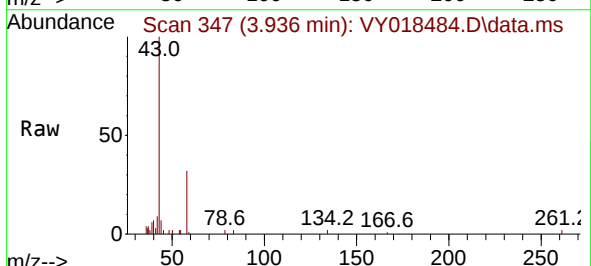
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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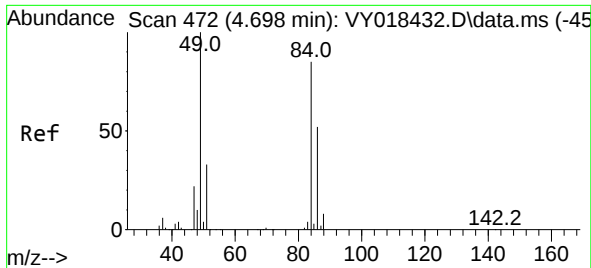
Tgt Ion:168 Resp: 45432  
Ion Ratio Lower Upper  
168 100  
99 55.5 39.1 58.7



#16  
Acetone  
Concen: 54.856 ug/l  
RT: 3.936 min Scan# 347  
Delta R.T. 0.000 min  
Lab File: VY018484.D  
Acq: 05 Jun 2024 14:57

Tgt Ion: 43 Resp: 10863  
Ion Ratio Lower Upper  
43 100  
58 31.7 31.7 47.5

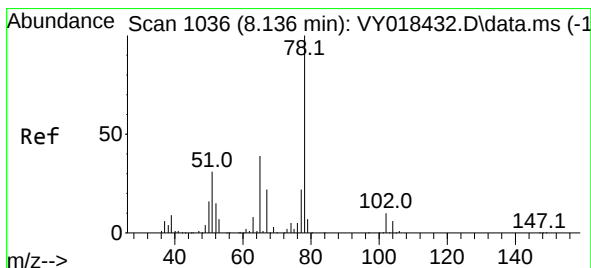
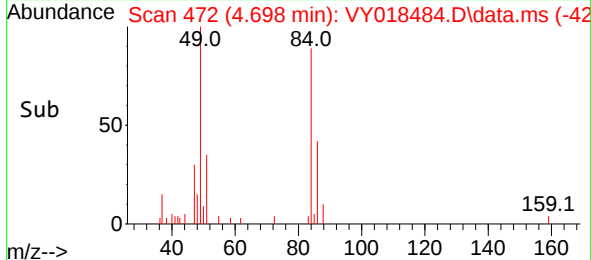
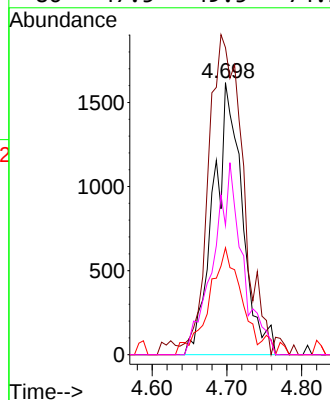
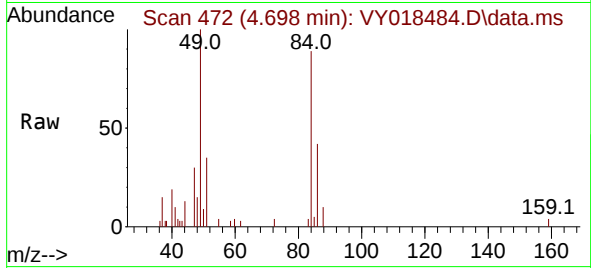




#20  
Methylene Chloride  
Concen: 1.065 ug/l  
RT: 4.698 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY018484.D  
Acq: 05 Jun 2024 14:57

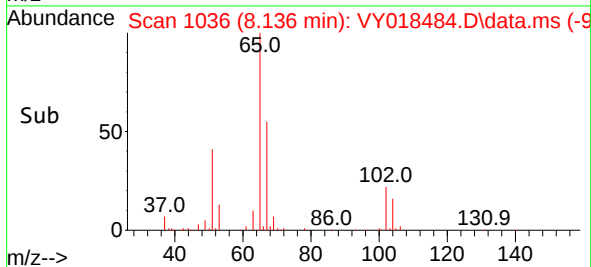
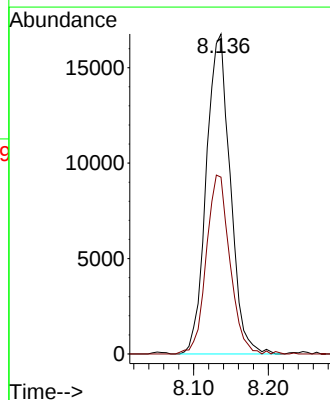
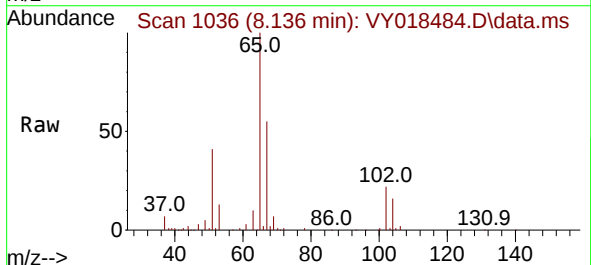
Instrument :  
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ClientSampleId :  
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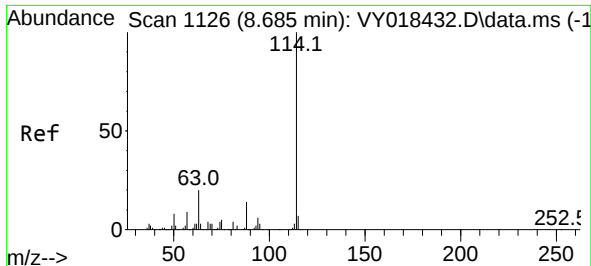
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 4343  |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 109.7    | 84.4 126.6  |
| 51 34.9     | 26.0 39.0   |
| 86 47.5     | 49.5 74.3#  |



#33  
1,2-Dichloroethane-d4  
Concen: 41.773 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY018484.D  
Acq: 05 Jun 2024 14:57

|             |             |
|-------------|-------------|
| Tgt Ion: 65 | Resp: 37270 |
| Ion Ratio   | Lower Upper |
| 65 100      |             |
| 67 55.0     | 0.0 109.6   |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY018484.D

Acq: 05 Jun 2024 14:57

Instrument :

MSVOA\_Y

ClientSampleId :

SLUDGE-DRUM

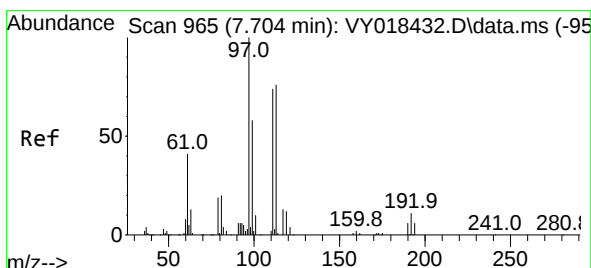
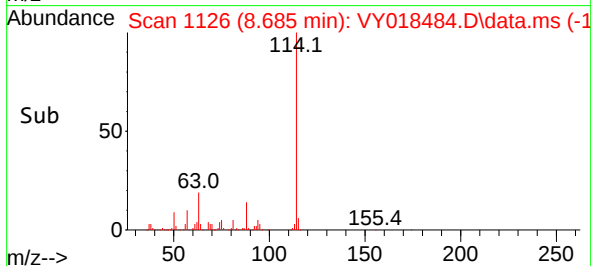
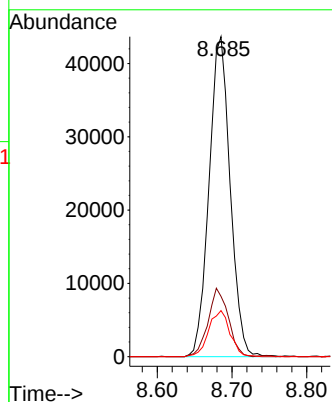
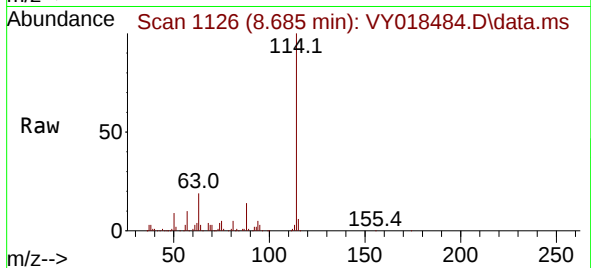
Tgt Ion:114 Resp: 85830

Ion Ratio Lower Upper

114 100

63 18.9 0.0 35.0

88 14.4 0.0 27.2



#35

Dibromofluoromethane

Concen: 19.662 ug/l

RT: 7.704 min Scan# 965

Delta R.T. 0.000 min

Lab File: VY018484.D

Acq: 05 Jun 2024 14:57

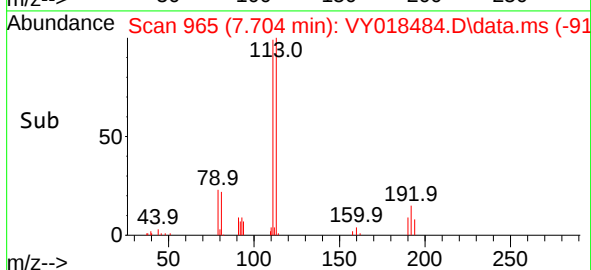
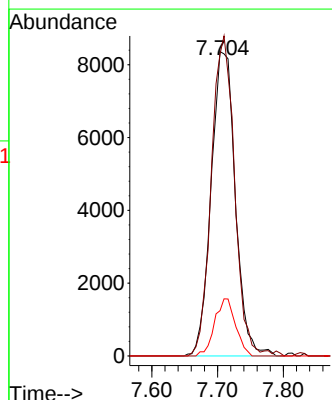
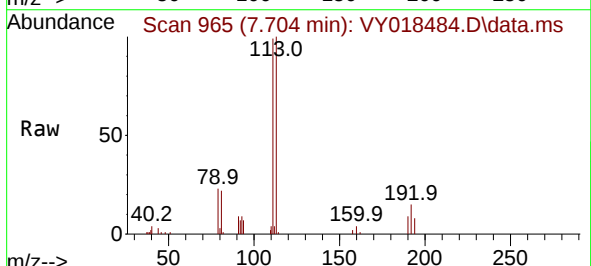
Tgt Ion:113 Resp: 21400

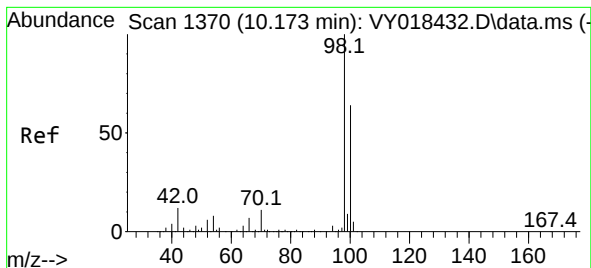
Ion Ratio Lower Upper

113 100

111 101.0 82.2 123.4

192 16.2 15.9 23.9

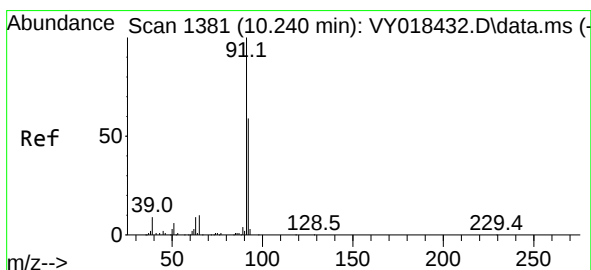
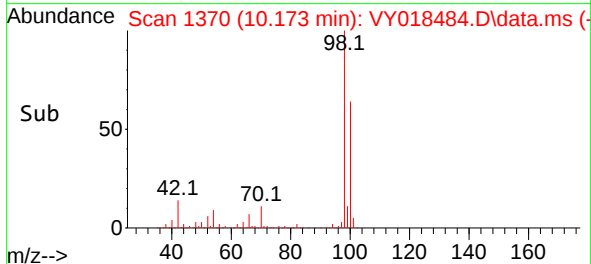
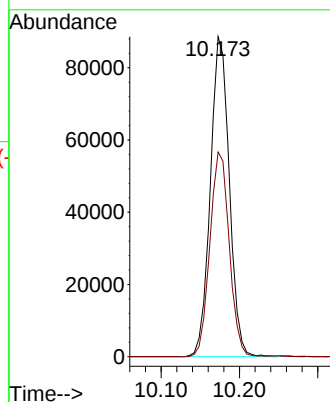
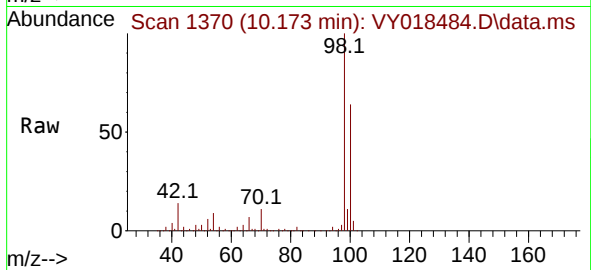




#50  
Toluene-d8  
Concen: 34.320 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY018484.D  
Acq: 05 Jun 2024 14:57

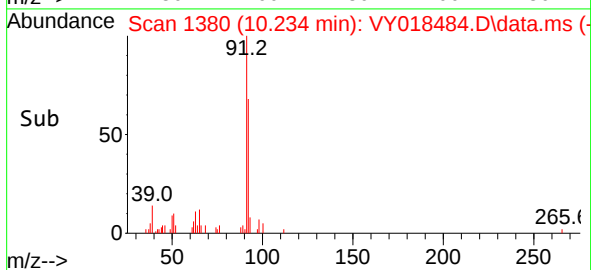
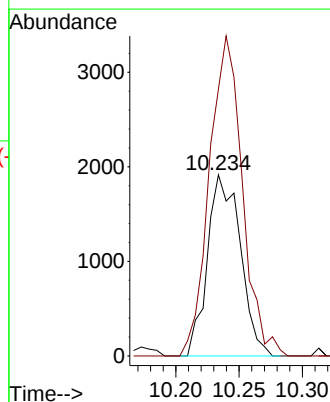
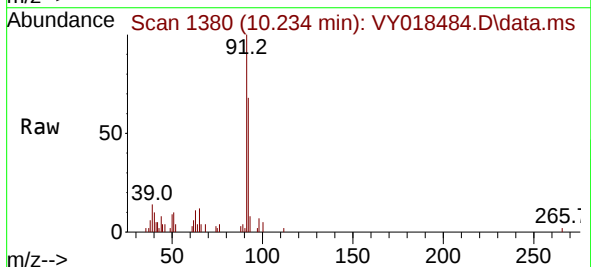
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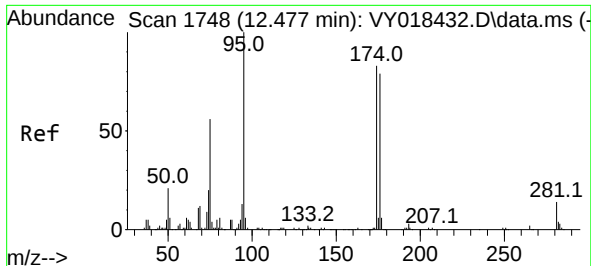
Tgt Ion: 98 Resp: 148600  
Ion Ratio Lower Upper  
98 100  
100 65.4 52.0 78.0



#52  
Toluene  
Concen: 1.130 ug/l  
RT: 10.234 min Scan# 1380  
Delta R.T. -0.006 min  
Lab File: VY018484.D  
Acq: 05 Jun 2024 14:57

Tgt Ion: 92 Resp: 3455  
Ion Ratio Lower Upper  
92 100  
91 177.6 139.0 208.6

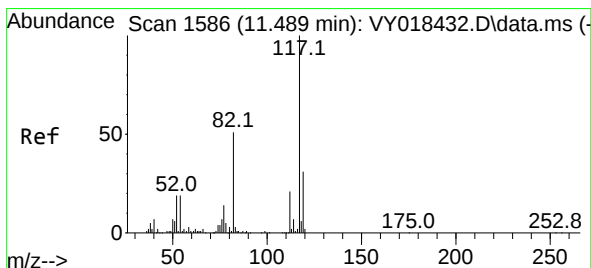
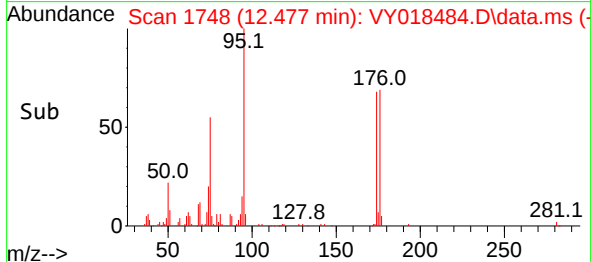
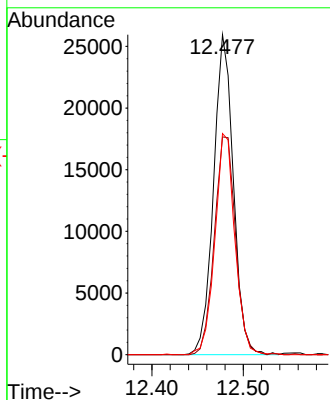
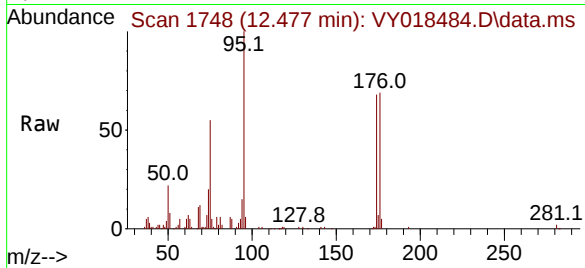




#62  
4-Bromofluorobenzene  
Concen: 28.990 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY018484.D  
Acq: 05 Jun 2024 14:57

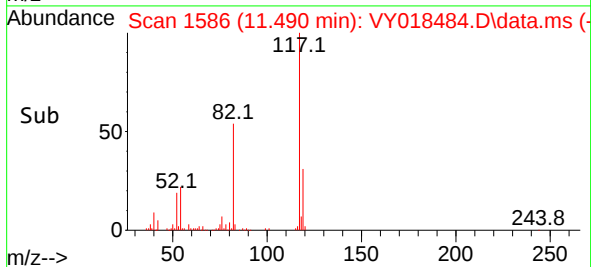
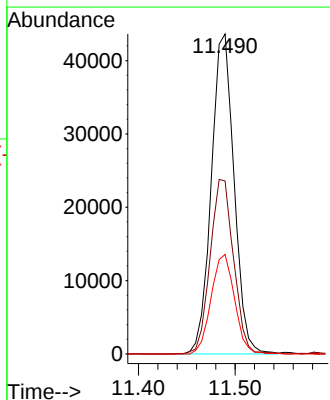
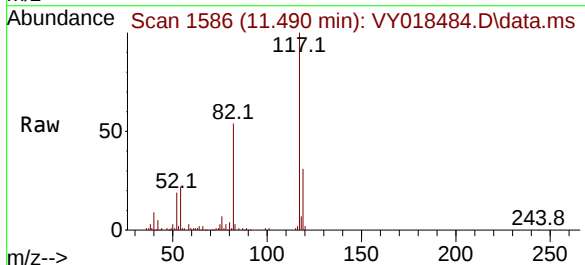
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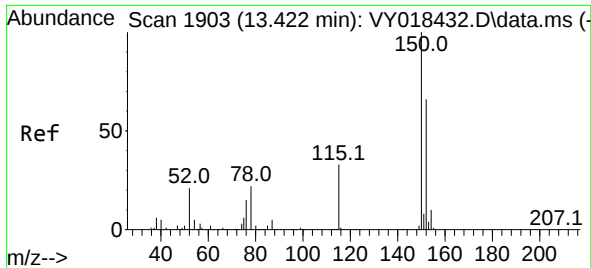
Tgt Ion: 95 Resp: 39082  
Ion Ratio Lower Upper  
95 100  
174 72.8 0.0 175.6  
176 69.8 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY018484.D  
Acq: 05 Jun 2024 14:57

Tgt Ion: 117 Resp: 71352  
Ion Ratio Lower Upper  
117 100  
82 53.9 42.4 63.6  
119 31.1 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY018484.D

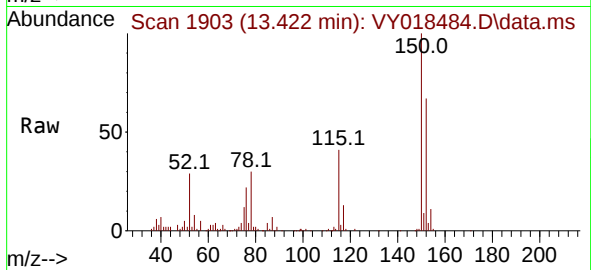
Acq: 05 Jun 2024 14:57

Instrument :

MSVOA\_Y

ClientSampleId :

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Tgt Ion:152 Resp: 26145

Ion Ratio Lower Upper

152 100

115 60.9 28.2 84.7

150 154.9 0.0 345.6

