

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052824\  
 Data File : VY018385.D  
 Acq On : 28 May 2024 17:13  
 Operator : SY/MD  
 Sample : P2613-01  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TR-06-052424

Quant Time: May 29 01:22:05 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052224S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 23 01:40:36 2024  
 Response via : Initial Calibration

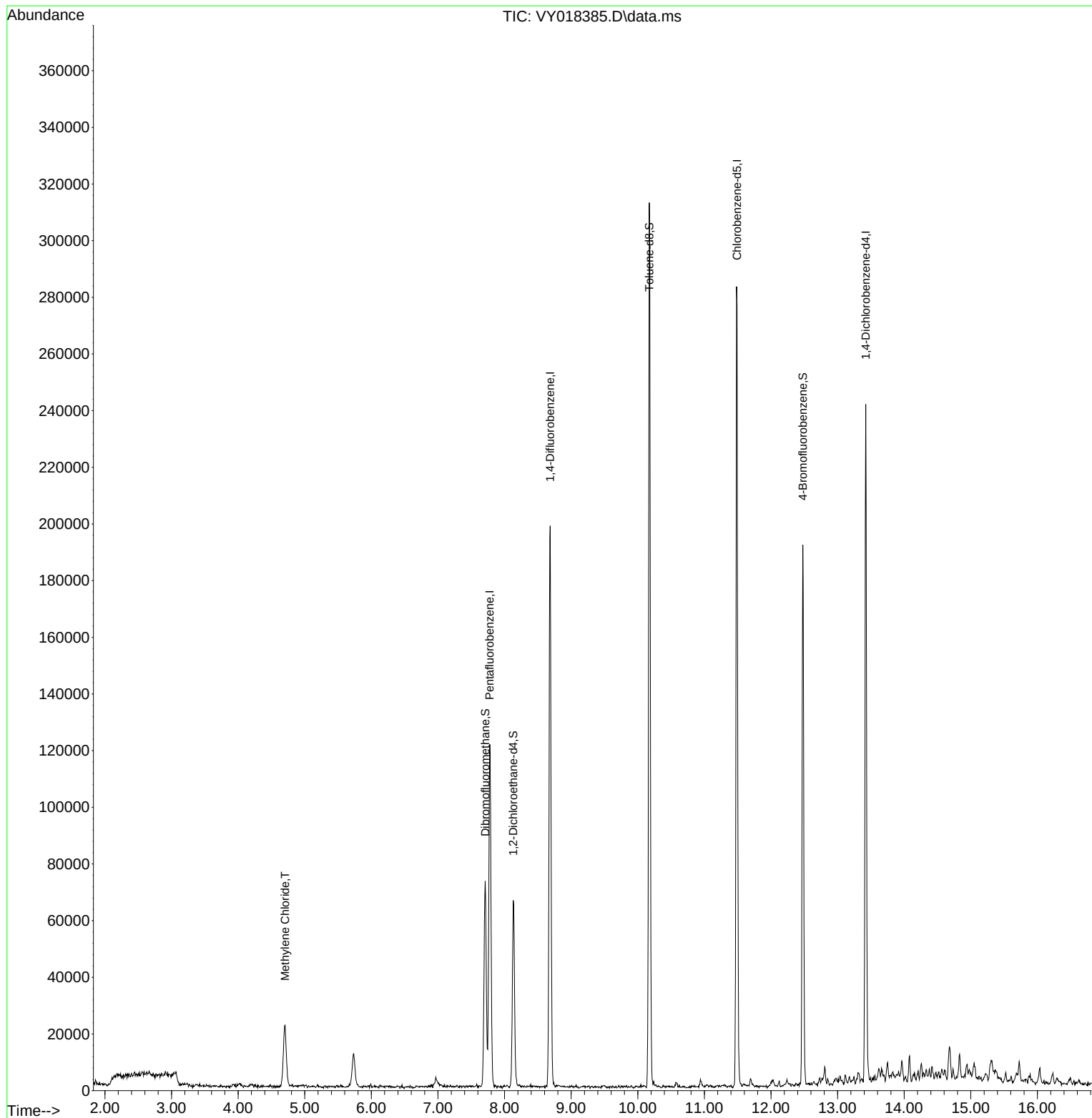
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.777  | 168   | 88466    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 170429   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 152184   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 58168    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.130  | 65    | 48857    | 58.292   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 116.580% |          |
| 35) Dibromofluoromethane    | 7.710  | 113   | 51741    | 52.061   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 104.120% |          |
| 50) Toluene-d8              | 10.173 | 98    | 205698   | 53.085   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 106.180% |          |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 60331    | 50.389   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 100.780% |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 20) Methylene Chloride      | 4.704  | 84    | 16622    | 13.182   | ug/l       | 96       |
| -----                       |        |       |          |          |            |          |

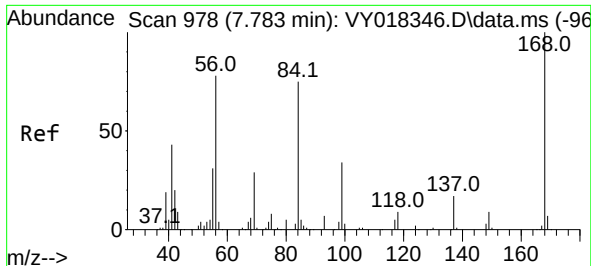
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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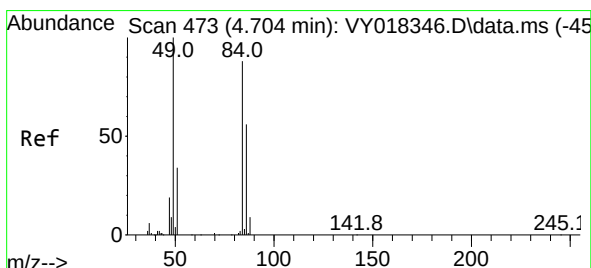
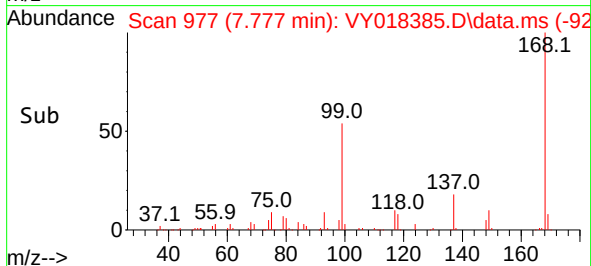
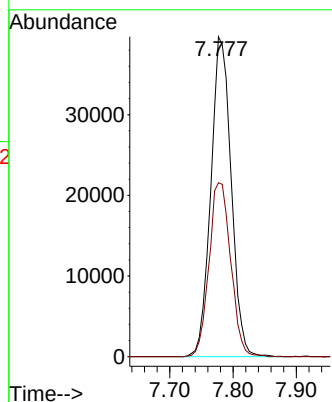
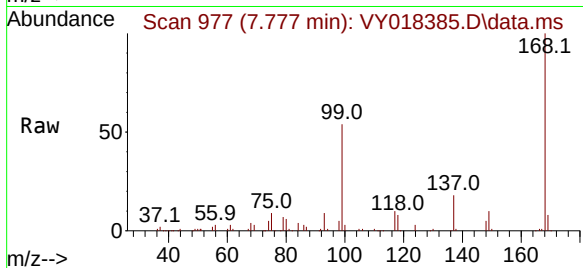




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY018385.D  
Acq: 28 May 2024 17:13

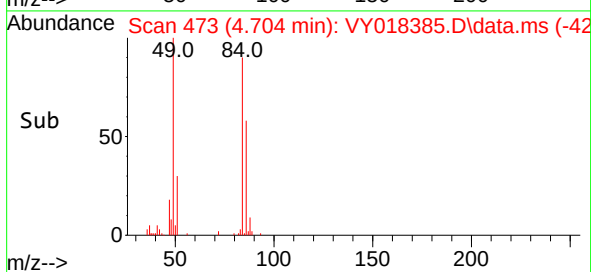
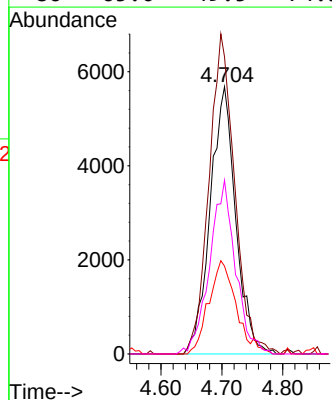
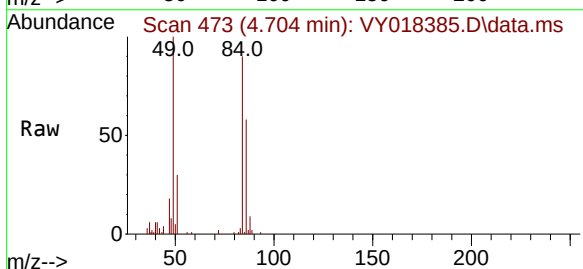
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-06-052424

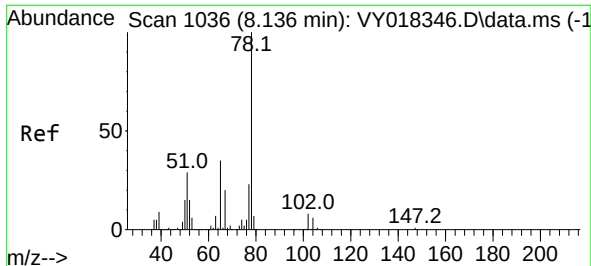
Tgt Ion:168 Resp: 88466  
Ion Ratio Lower Upper  
168 100  
99 54.4 39.1 58.7



#20  
Methylene Chloride  
Concen: 13.182 ug/l  
RT: 4.704 min Scan# 473  
Delta R.T. 0.000 min  
Lab File: VY018385.D  
Acq: 28 May 2024 17:13

Tgt Ion: 84 Resp: 16622  
Ion Ratio Lower Upper  
84 100  
49 111.2 84.4 126.6  
51 32.9 26.0 39.0  
86 65.0 49.5 74.3





#33

1,2-Dichloroethane-d4

Concen: 58.292 ug/l

RT: 8.130 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY018385.D

Acq: 28 May 2024 17:13

Instrument :

MSVOA\_Y

ClientSampleId :

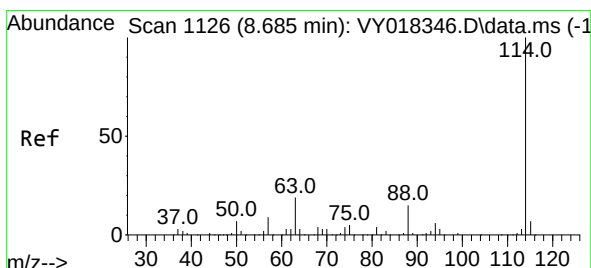
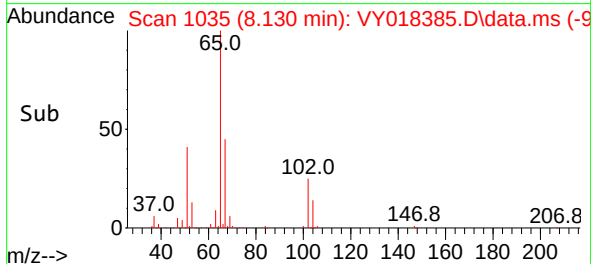
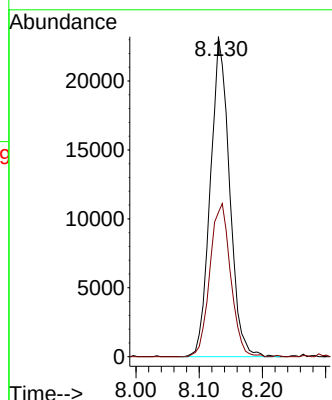
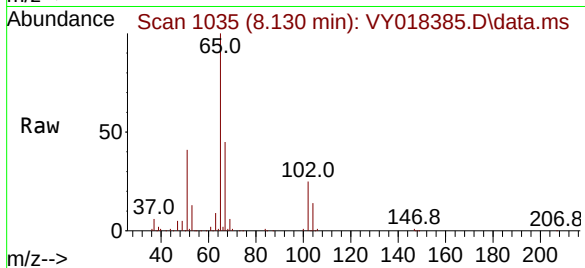
TR-06-052424

Tgt Ion: 65 Resp: 48857

Ion Ratio Lower Upper

65 100

67 51.7 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: VY018385.D

Acq: 28 May 2024 17:13

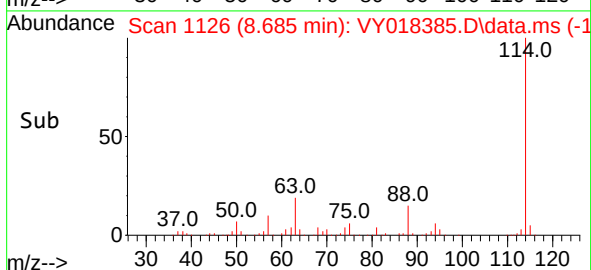
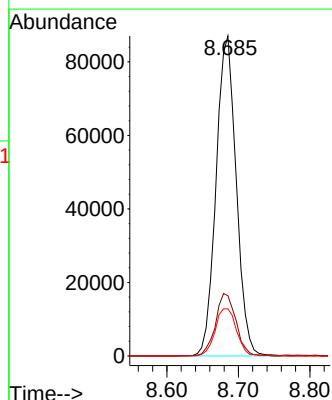
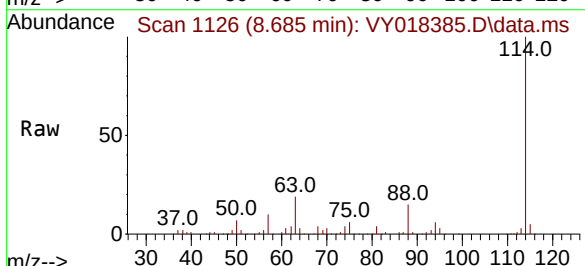
Tgt Ion: 114 Resp: 170429

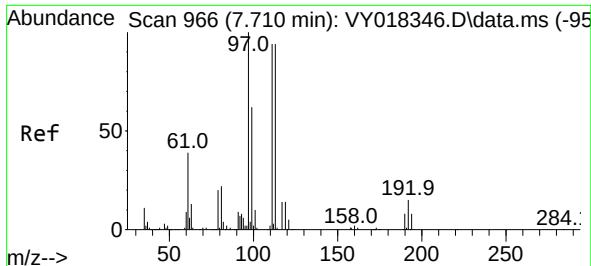
Ion Ratio Lower Upper

114 100

63 18.9 0.0 35.0

88 14.8 0.0 27.2





#35

Dibromofluoromethane

Concen: 52.061 ug/l

RT: 7.710 min Scan# 966

Delta R.T. 0.000 min

Lab File: VY018385.D

Acq: 28 May 2024 17:13

Instrument :

MSVOA\_Y

ClientSampleId :

TR-06-052424

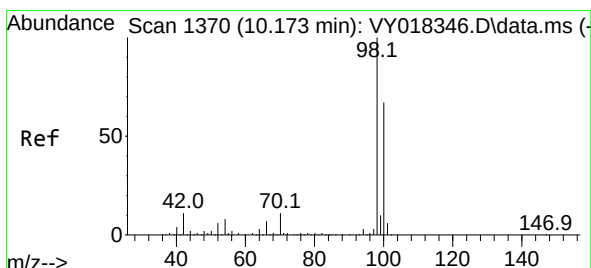
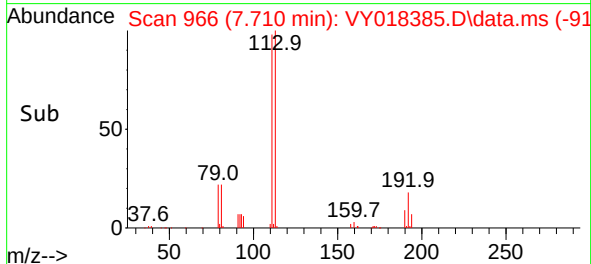
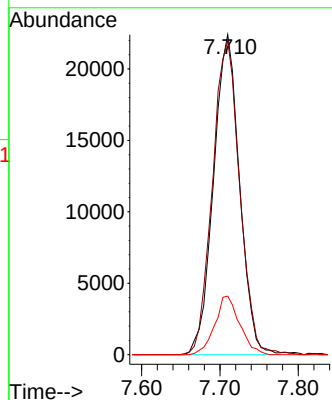
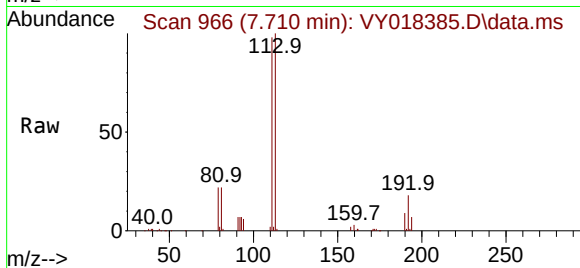
Tgt Ion:113 Resp: 51741

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

192 17.5 15.9 23.9



#50

Toluene-d8

Concen: 53.085 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. 0.000 min

Lab File: VY018385.D

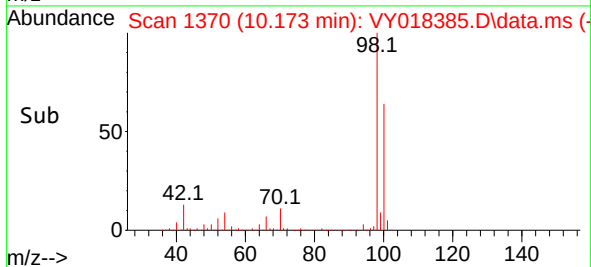
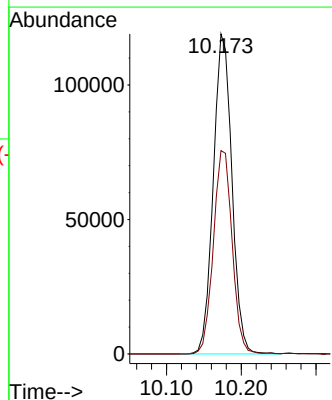
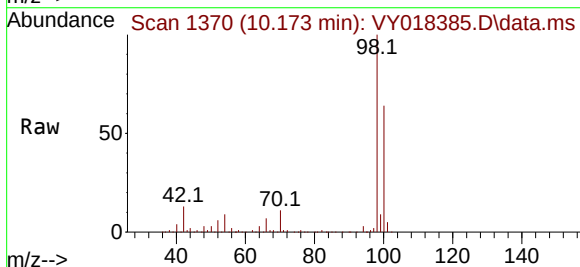
Acq: 28 May 2024 17:13

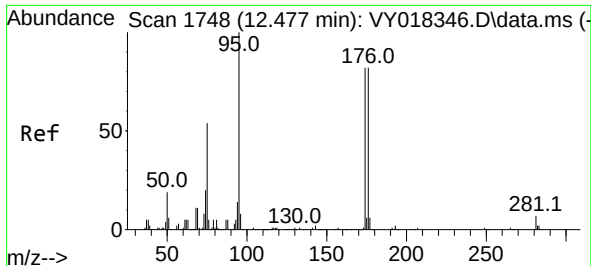
Tgt Ion: 98 Resp: 205698

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 50.389 ug/l

RT: 12.477 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY018385.D

Acq: 28 May 2024 17:13

Instrument :

MSVOA\_Y

ClientSampleId :

TR-06-052424

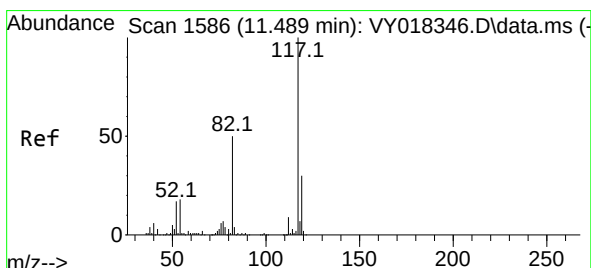
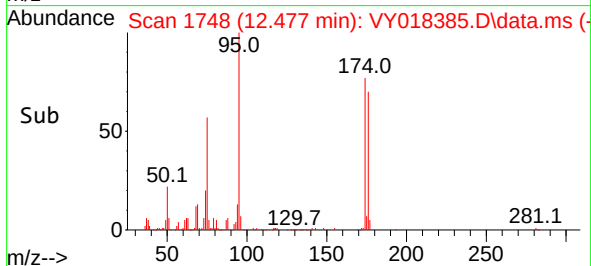
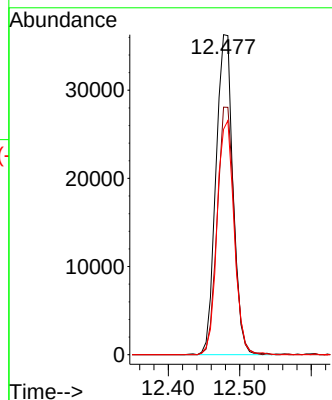
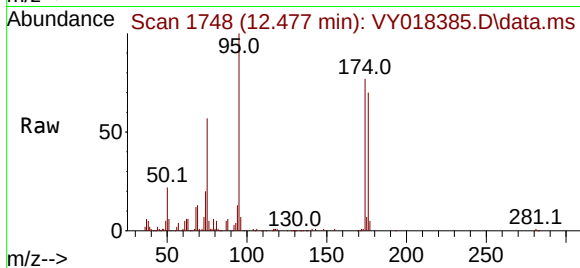
Tgt Ion: 95 Resp: 60331

Ion Ratio Lower Upper

95 100

174 76.8 0.0 175.6

176 72.8 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: VY018385.D

Acq: 28 May 2024 17:13

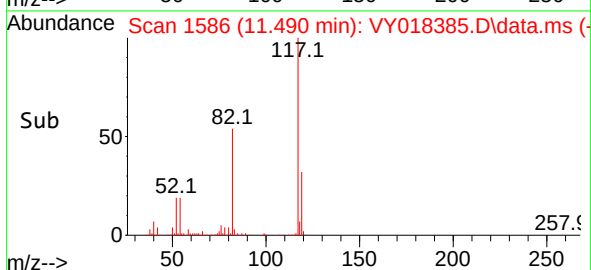
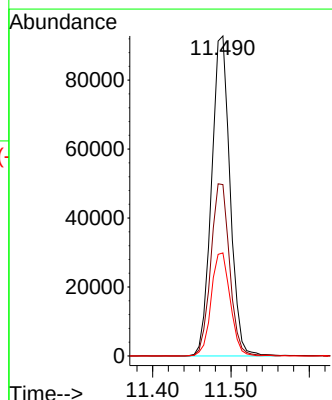
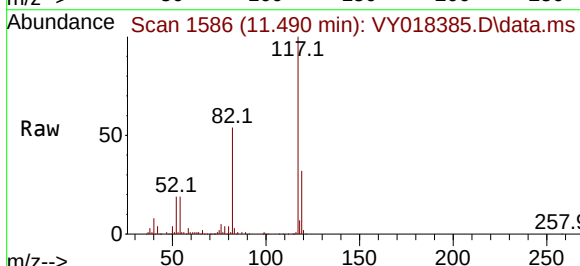
Tgt Ion: 117 Resp: 152184

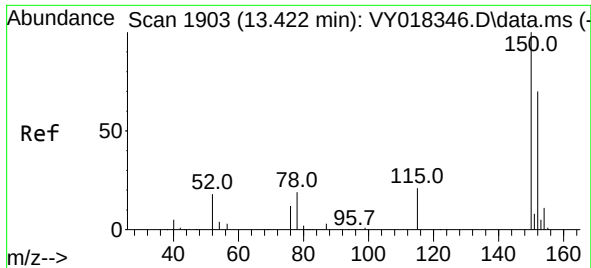
Ion Ratio Lower Upper

117 100

82 53.5 42.4 63.6

119 32.2 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: VY018385.D

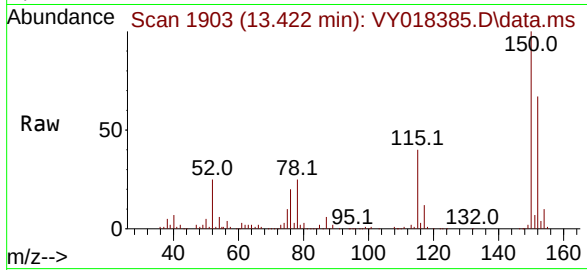
Acq: 28 May 2024 17:13

Instrument :

MSVOA\_Y

ClientSampleId :

TR-06-052424



Tgt Ion:152 Resp: 58168

Ion Ratio Lower Upper

152 100

115 61.0 28.2 84.7

150 155.9 0.0 345.6

