

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051624\  
 Data File : VY018291.D  
 Acq On : 16 May 2024 17:34  
 Operator : SY/MD  
 Sample : P2497-05  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RT3997

Quant Time: May 17 01:17:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050724S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 08 01:40:14 2024  
 Response via : Initial Calibration

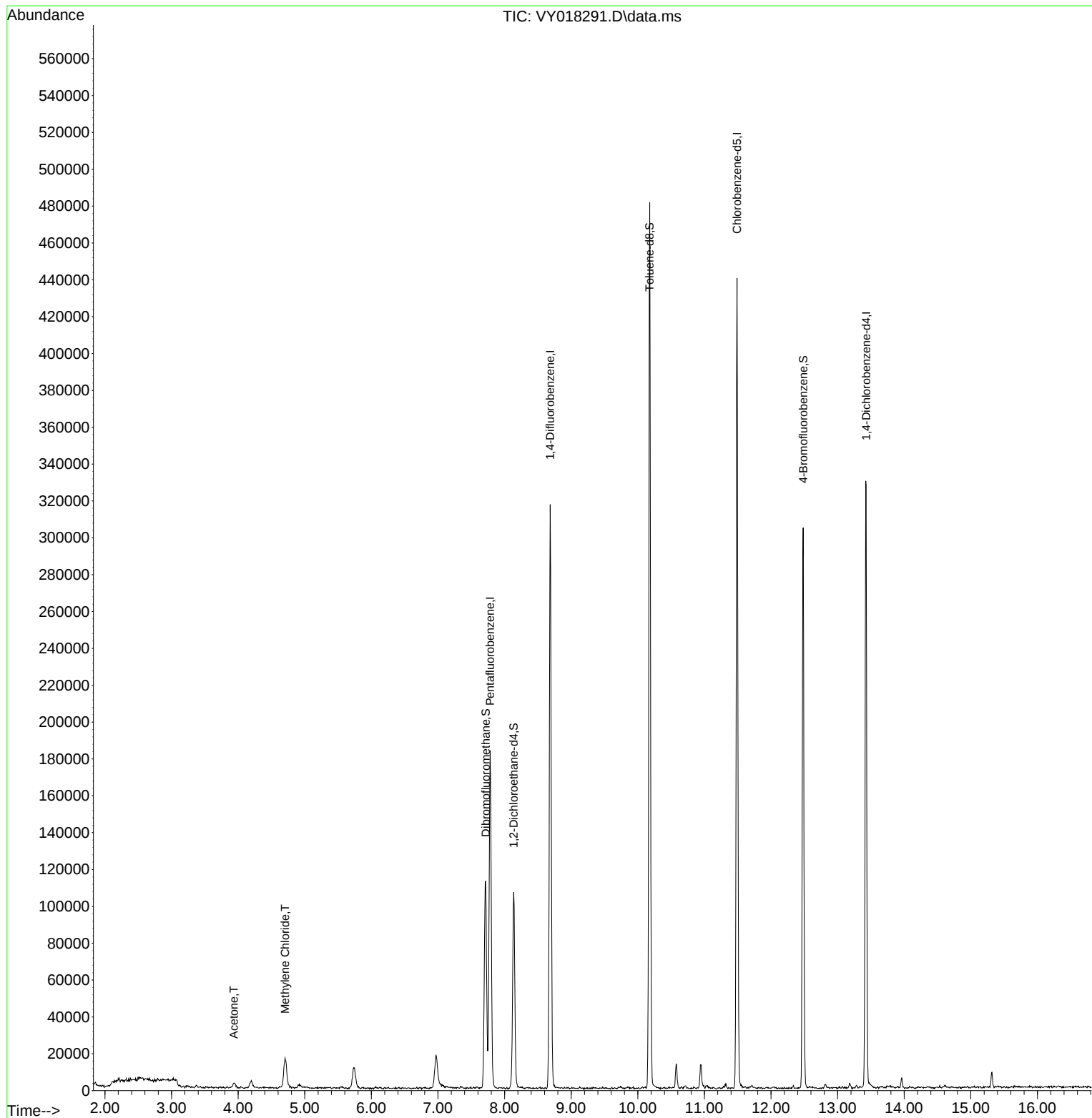
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.783  | 168   | 136336   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 277276   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 244443   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 86765    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 77711    | 77.480   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 154.960% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 82516    | 56.626   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 113.260% |
| 50) Toluene-d8              | 10.179 | 98    | 318777   | 55.513   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 111.020% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 95224    | 51.349   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 102.700% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          |        | Qvalue   |
| 16) Acetone                 | 3.936  | 43    | 4765     | 23.807   | ug/l   | 91       |
| 20) Methylene Chloride      | 4.704  | 84    | 12623    | 8.923    | ug/l # | 96       |
| -----                       |        |       |          |          |        |          |

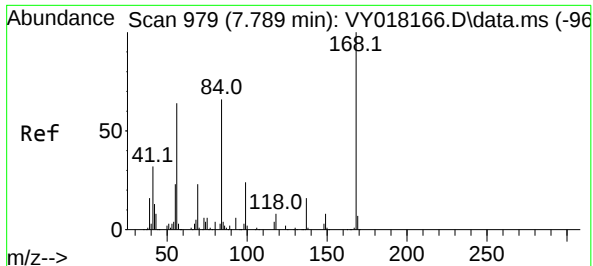
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : P2497-05  
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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050724S.M  
Quant Title : SW846 8260  
QLast Update : Wed May 08 01:40:14 2024  
Response via : Initial Calibration

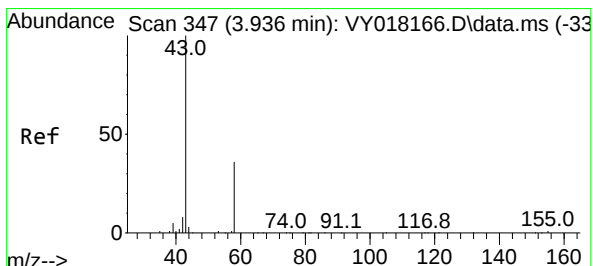
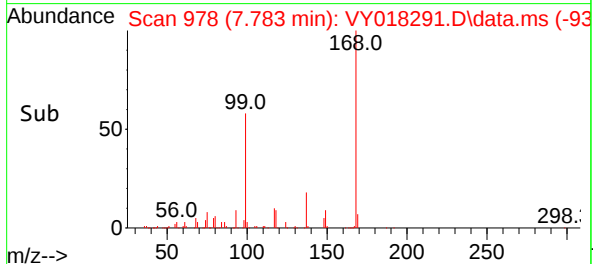
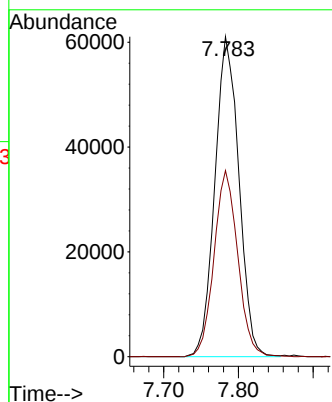
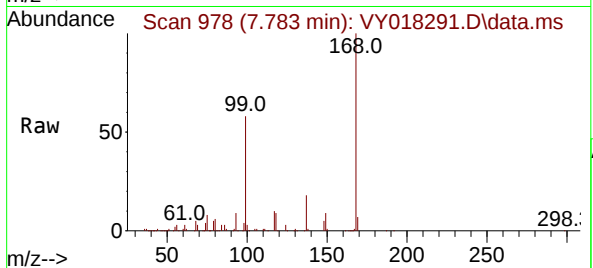




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY018291.D  
Acq: 16 May 2024 17:34

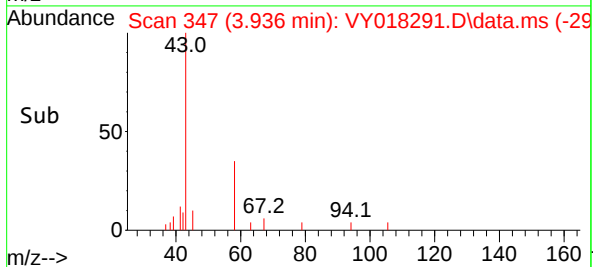
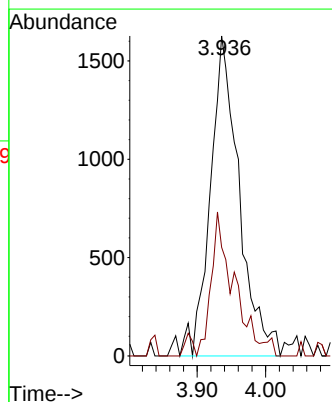
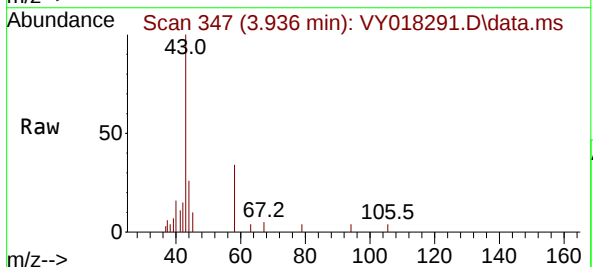
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT3997

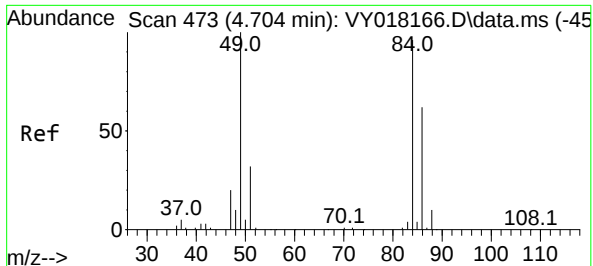
Tgt Ion:168 Resp: 136336  
Ion Ratio Lower Upper  
168 100  
99 58.2 39.1 58.7



#16  
Acetone  
Concen: 23.807 ug/l  
RT: 3.936 min Scan# 347  
Delta R.T. -0.000 min  
Lab File: VY018291.D  
Acq: 16 May 2024 17:34

Tgt Ion: 43 Resp: 4765  
Ion Ratio Lower Upper  
43 100  
58 33.9 31.7 47.5

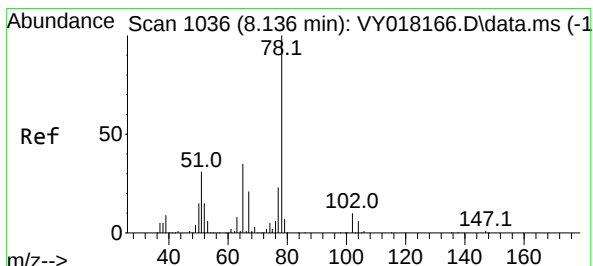
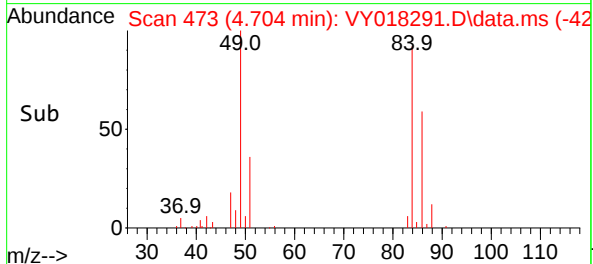
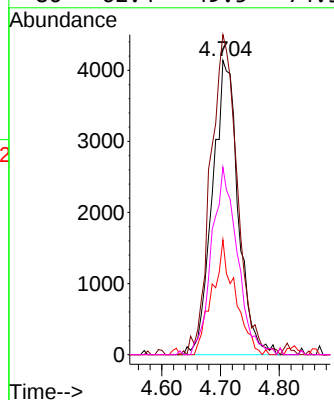
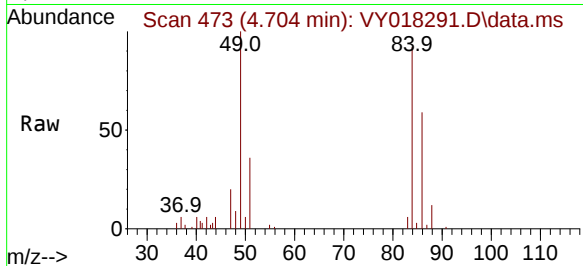




#20  
Methylene Chloride  
Concen: 8.923 ug/l  
RT: 4.704 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VY018291.D  
Acq: 16 May 2024 17:34

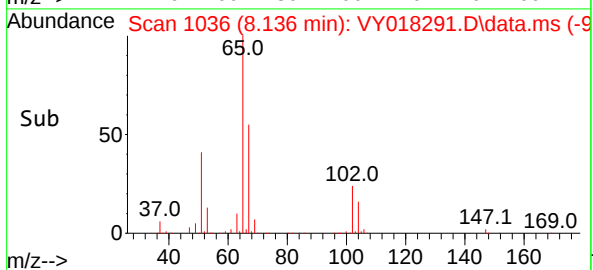
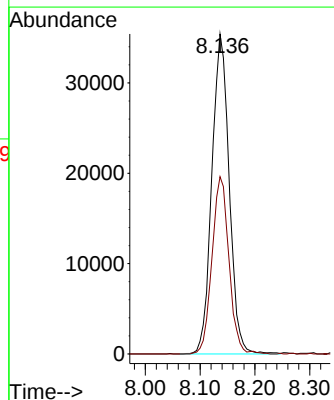
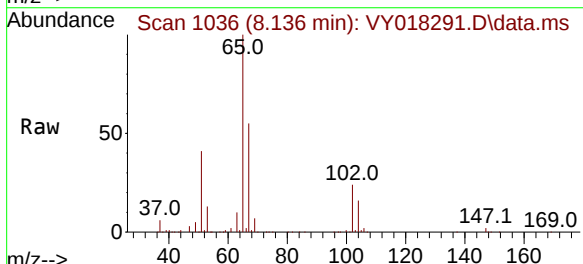
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT3997

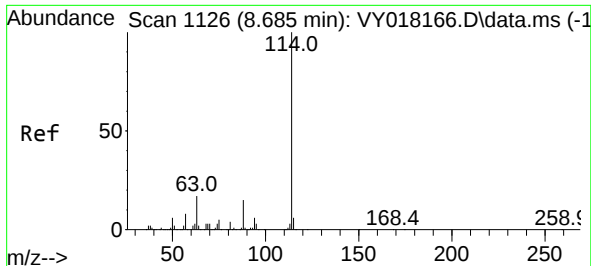
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 12623 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 108.8 | 84.4  | 126.6 |
| 51       | 39.0  | 26.0  | 39.0# |
| 86       | 62.4  | 49.5  | 74.3  |



#33  
1,2-Dichloroethane-d4  
Concen: 77.480 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: VY018291.D  
Acq: 16 May 2024 17:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 77711 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 54.1  | 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: VY018291.D

Acq: 16 May 2024 17:34

Instrument :

MSVOA\_Y

ClientSampleId :

RT3997

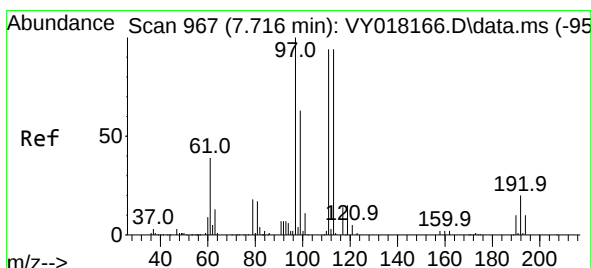
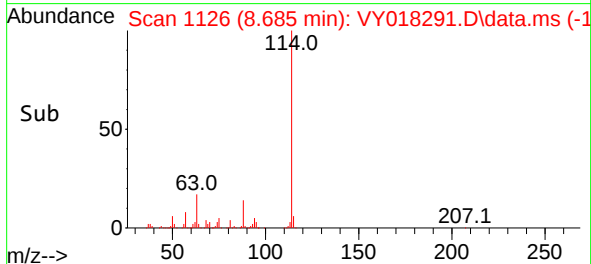
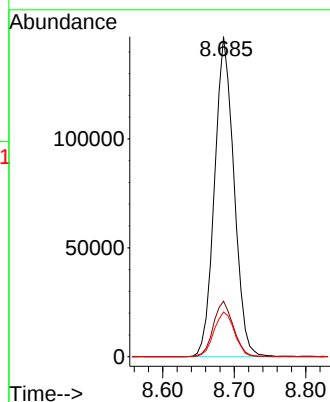
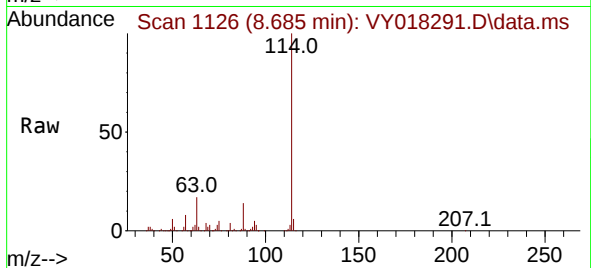
Tgt Ion:114 Resp: 277276

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.0

88 13.9 0.0 27.2



#35

Dibromofluoromethane

Concen: 56.626 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY018291.D

Acq: 16 May 2024 17:34

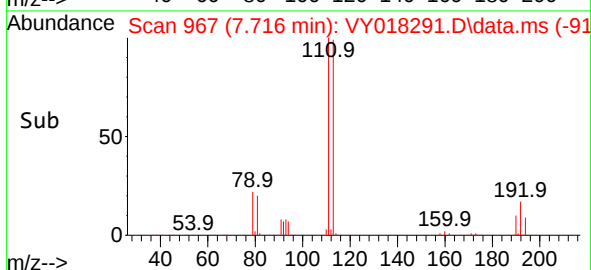
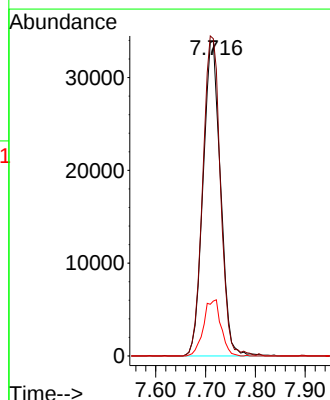
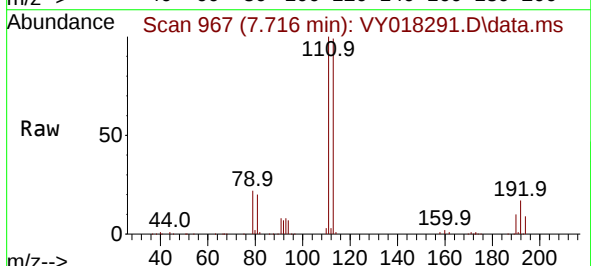
Tgt Ion:113 Resp: 82516

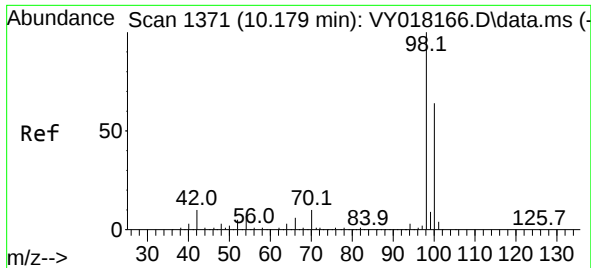
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

192 17.8 15.9 23.9

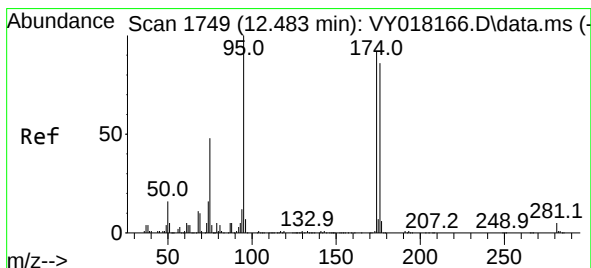
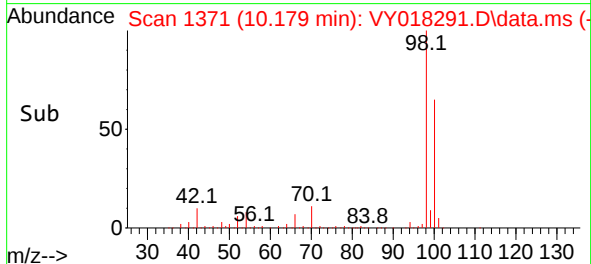
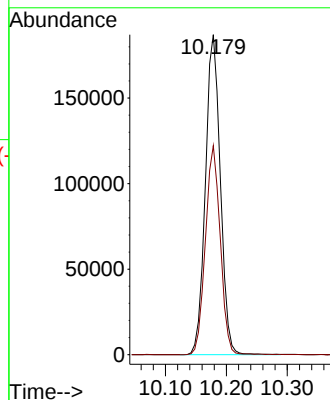
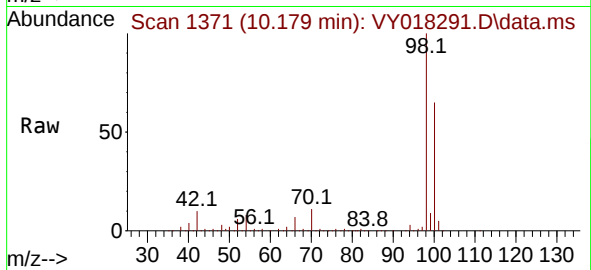




#50  
Toluene-d8  
Concen: 55.513 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY018291.D  
Acq: 16 May 2024 17:34

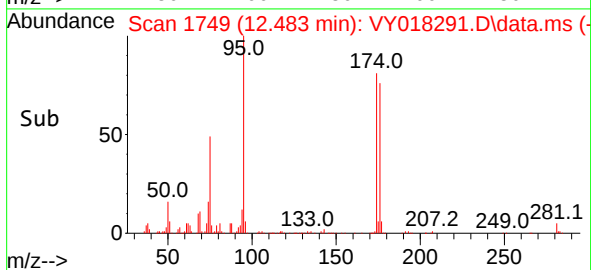
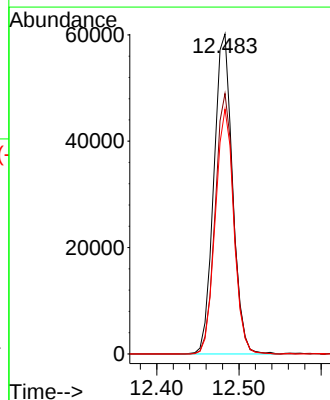
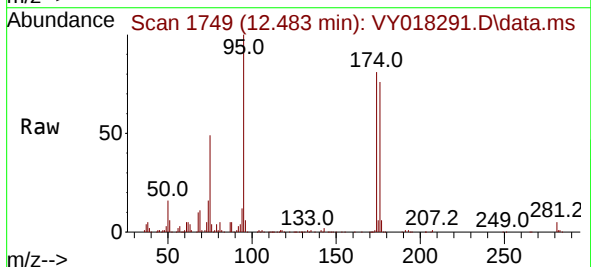
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT3997

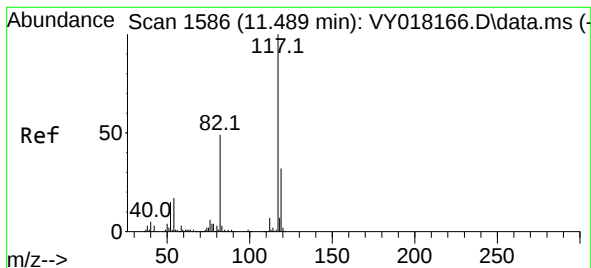
Tgt Ion: 98 Resp: 318777  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 51.349 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY018291.D  
Acq: 16 May 2024 17:34

Tgt Ion: 95 Resp: 95224  
Ion Ratio Lower Upper  
95 100  
174 80.9 0.0 175.6  
176 75.8 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018291.D

Acq: 16 May 2024 17:34

Instrument :

MSVOA\_Y

ClientSampleId :

RT3997

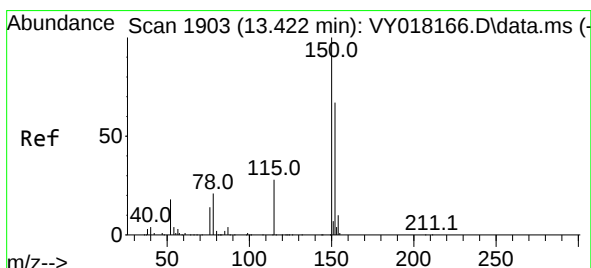
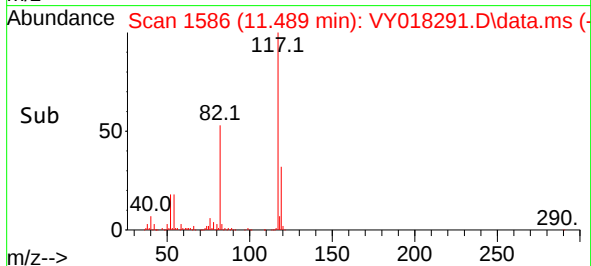
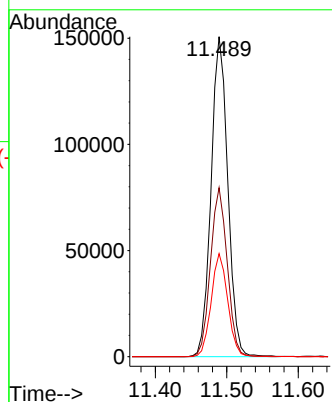
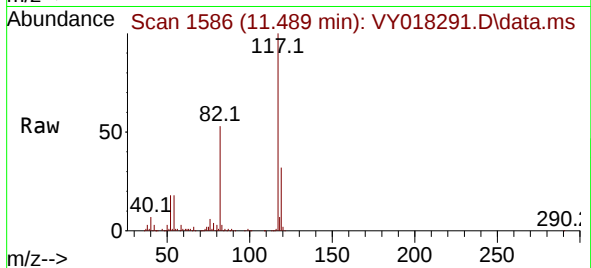
Tgt Ion:117 Resp: 244443

Ion Ratio Lower Upper

117 100

82 52.8 42.4 63.6

119 32.2 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY018291.D

Acq: 16 May 2024 17:34

Tgt Ion:152 Resp: 86765

Ion Ratio Lower Upper

152 100

115 60.6 28.2 84.7

150 161.7 0.0 345.6

