

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052424\  
 Data File : VY018371.D  
 Acq On : 24 May 2024 17:52  
 Operator : SY/MD  
 Sample : P2615-01  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RBR251686

Quant Time: May 25 03:26:47 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

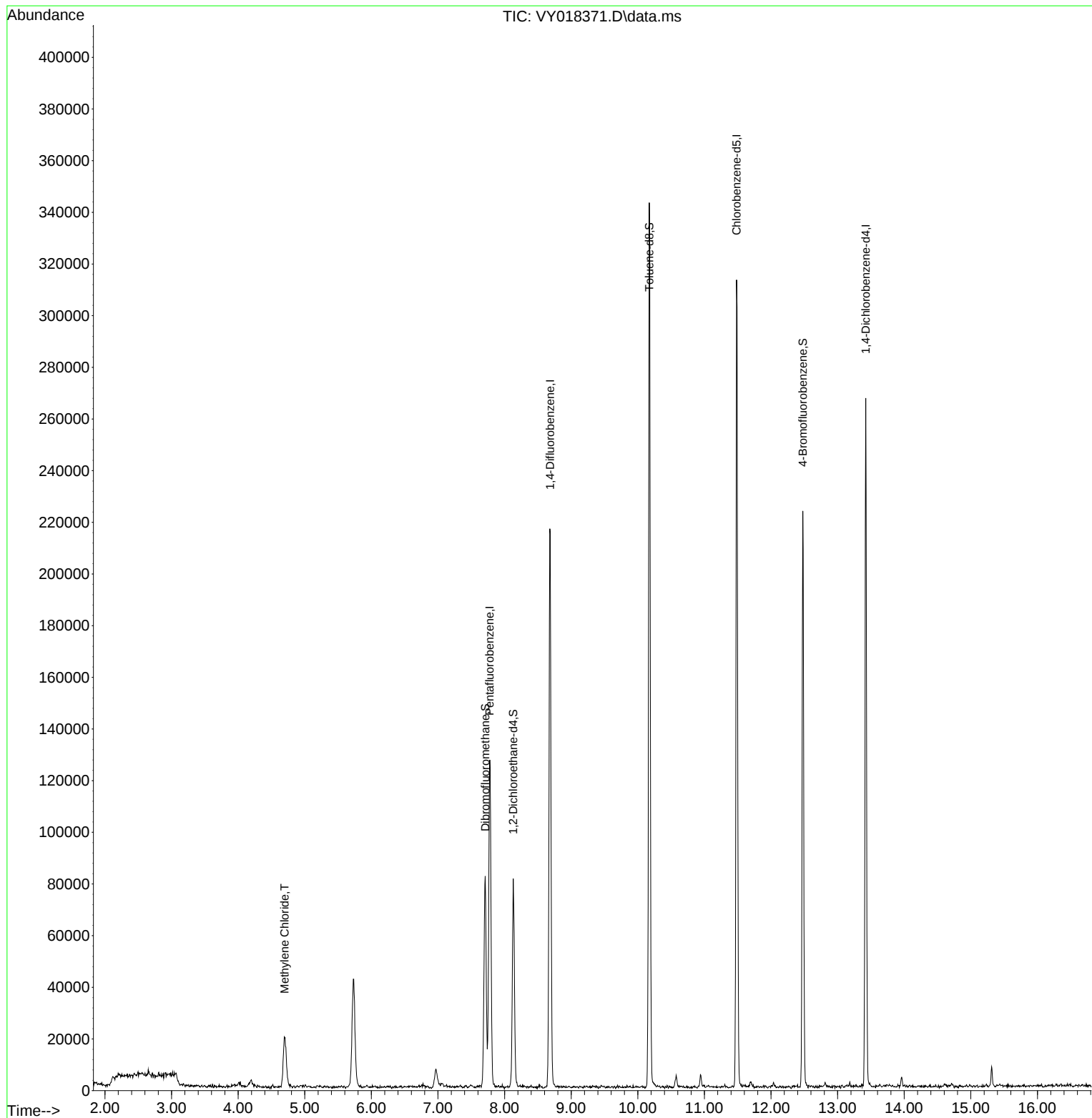
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.777  | 168   | 95201    | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 188376   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.483 | 117   | 169556   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 62868    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.130  | 65    | 57435    | 63.679   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 127.360% |          |
| 35) Dibromofluoromethane    | 7.710  | 113   | 58462    | 53.219   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 106.440% |          |
| 50) Toluene-d8              | 10.173 | 98    | 219958   | 51.357   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 102.720% |          |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 69048    | 52.175   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 104.360% |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 20) Methylene Chloride      | 4.698  | 84    | 15867    | 11.088   | ug/l       | # 93     |
| -----                       |        |       |          |          |            |          |

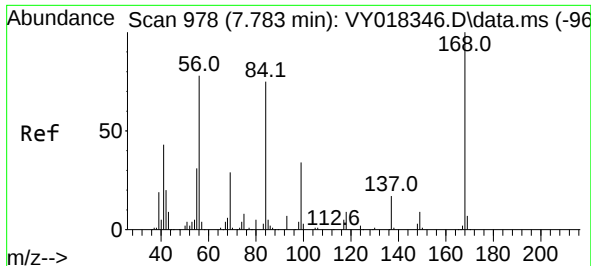
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
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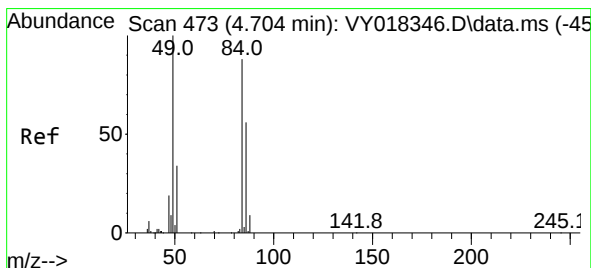
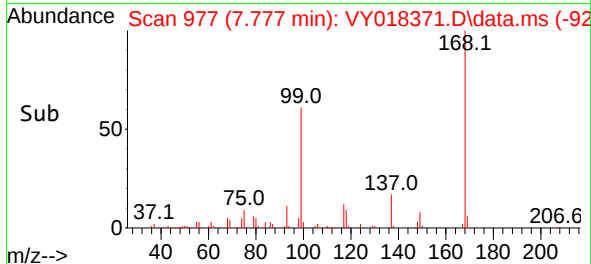
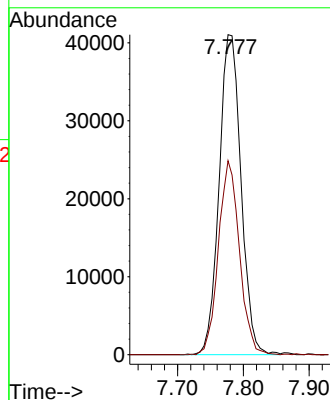
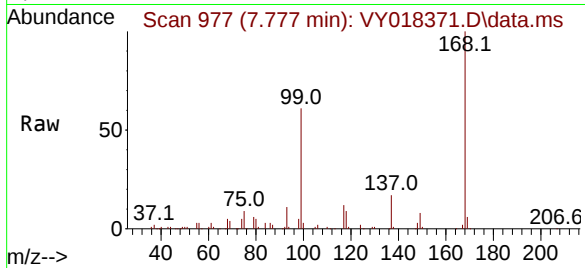




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY018371.D  
Acq: 24 May 2024 17:52

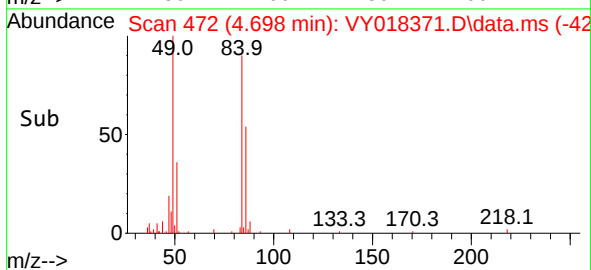
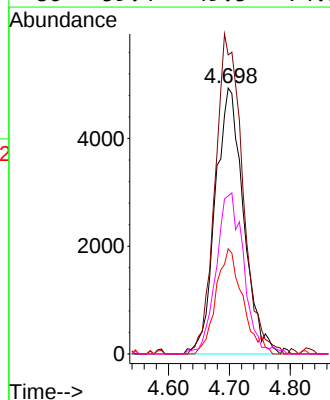
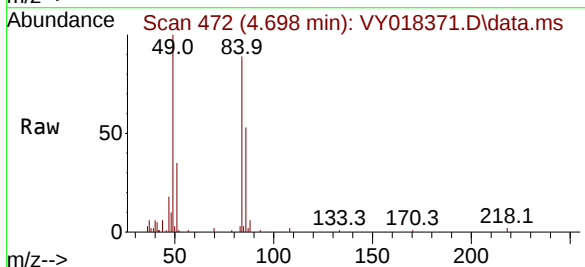
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RBR251686

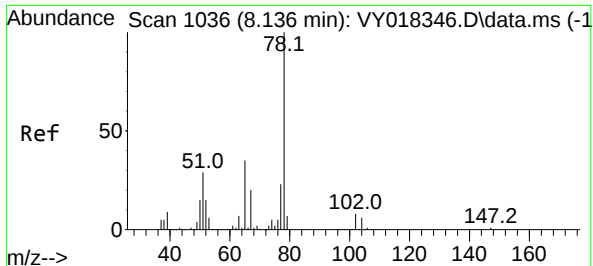
Tgt Ion:168 Resp: 95201  
Ion Ratio Lower Upper  
168 100  
99 60.6 39.1 58.7#



#20  
Methylene Chloride  
Concen: 11.088 ug/l  
RT: 4.698 min Scan# 472  
Delta R.T. -0.006 min  
Lab File: VY018371.D  
Acq: 24 May 2024 17:52

Tgt Ion: 84 Resp: 15867  
Ion Ratio Lower Upper  
84 100  
49 112.4 84.4 126.6  
51 39.5 26.0 39.0#  
86 59.4 49.5 74.3





#33

1,2-Dichloroethane-d4

Concen: 63.679 ug/l

RT: 8.130 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY018371.D

Acq: 24 May 2024 17:52

Instrument :

MSVOA\_Y

ClientSampleId :

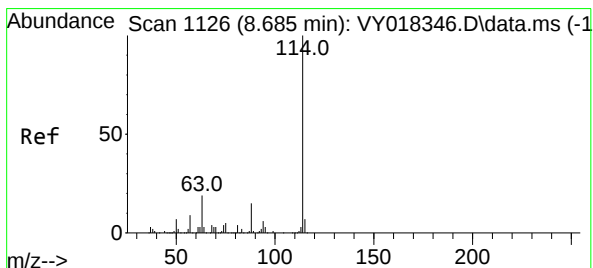
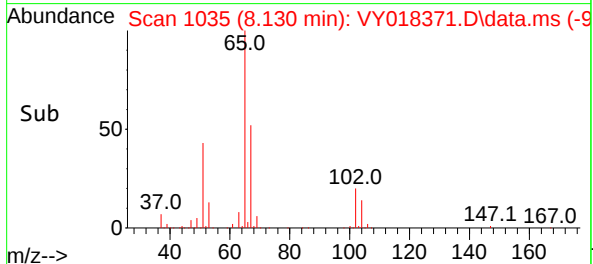
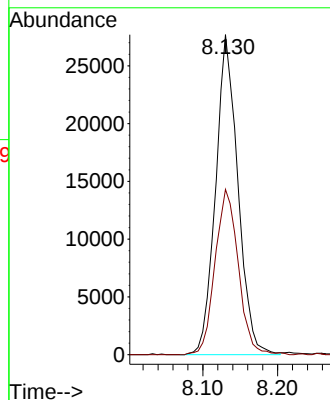
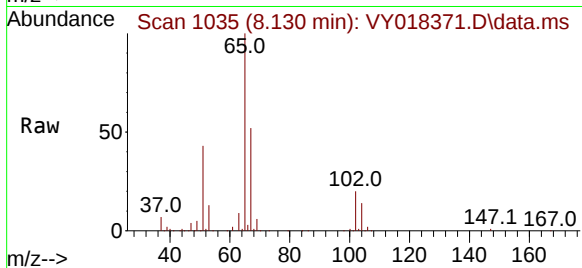
RBR251686

Tgt Ion: 65 Resp: 57435

Ion Ratio Lower Upper

65 100

67 53.9 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: VY018371.D

Acq: 24 May 2024 17:52

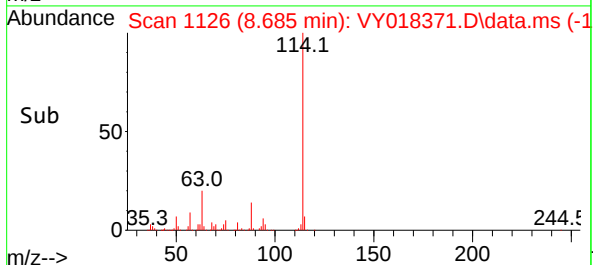
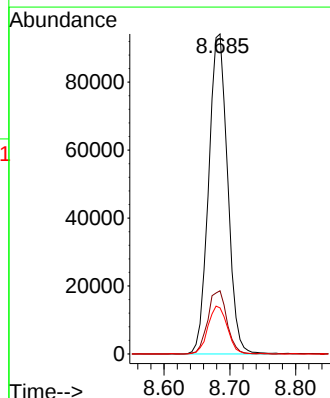
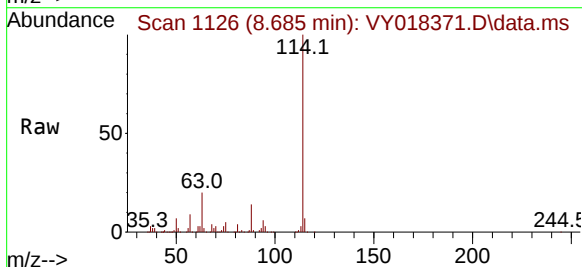
Tgt Ion:114 Resp: 188376

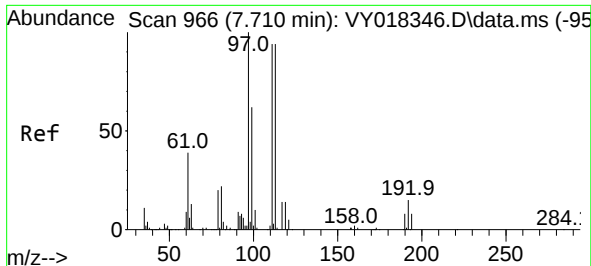
Ion Ratio Lower Upper

114 100

63 19.8 0.0 35.0

88 14.4 0.0 27.2





#35

Dibromofluoromethane

Concen: 53.219 ug/l

RT: 7.710 min Scan# 9

Delta R.T. -0.000 min

Lab File: VY018371.D

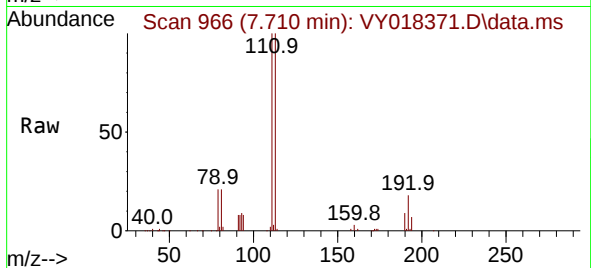
Acq: 24 May 2024 17:52

Instrument :

MSVOA\_Y

ClientSampleId :

RBR251686



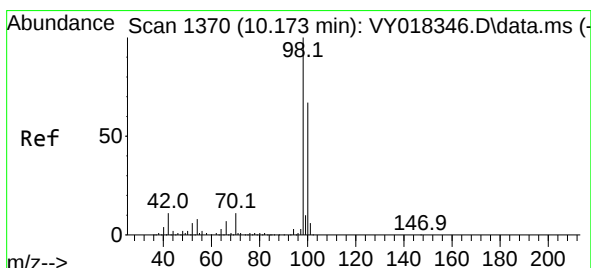
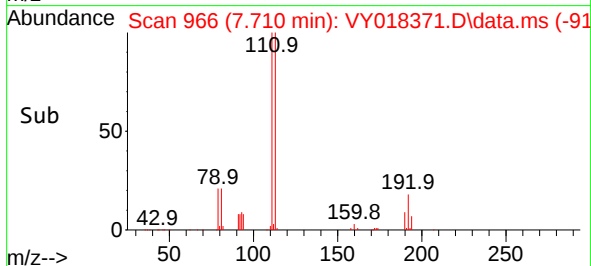
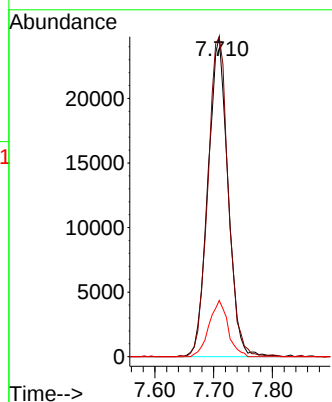
Tgt Ion:113 Resp: 58462

Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.4

192 16.7 15.9 23.9



#50

Toluene-d8

Concen: 51.357 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.000 min

Lab File: VY018371.D

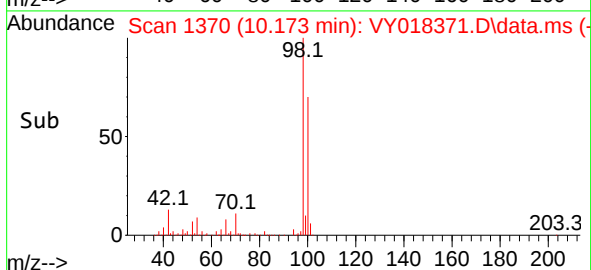
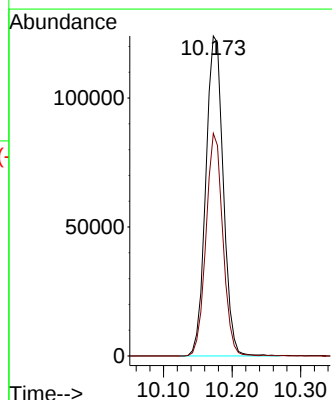
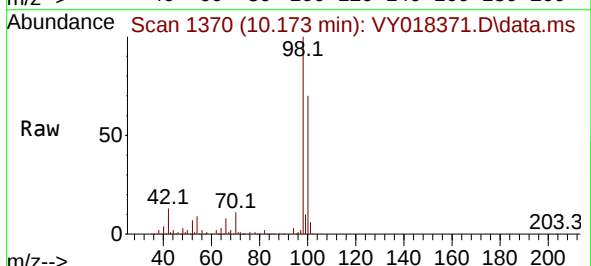
Acq: 24 May 2024 17:52

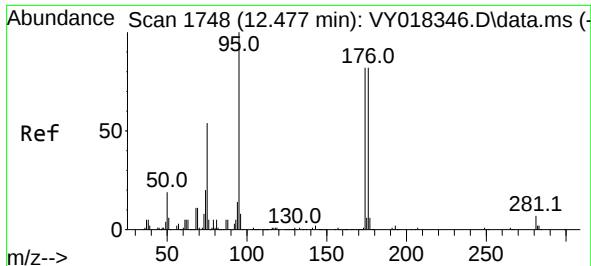
Tgt Ion: 98 Resp: 219958

Ion Ratio Lower Upper

98 100

100 67.0 52.0 78.0

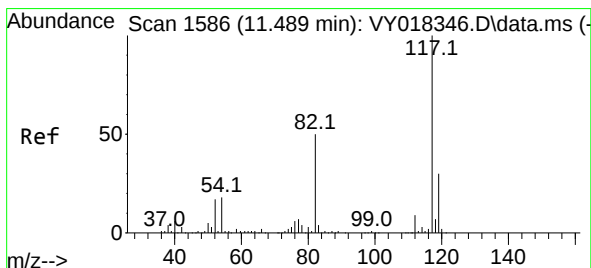
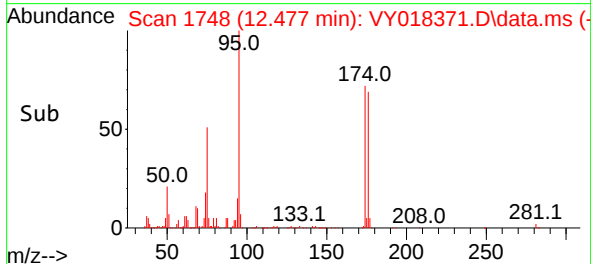
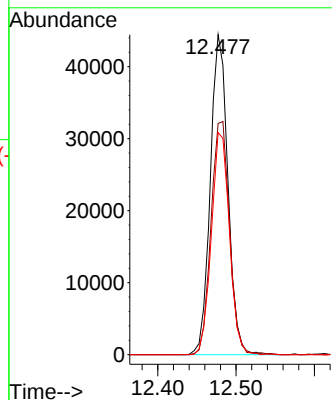
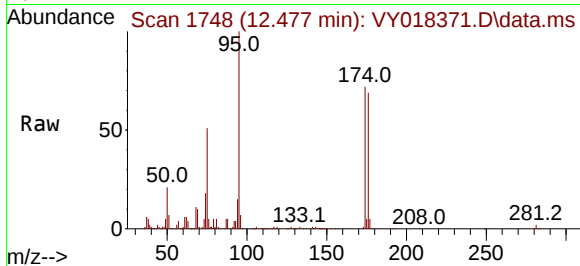




#62  
4-Bromofluorobenzene  
Concen: 52.175 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY018371.D  
Acq: 24 May 2024 17:52

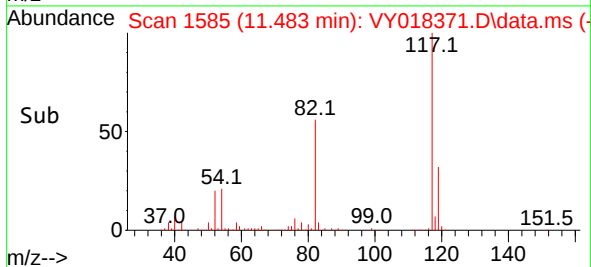
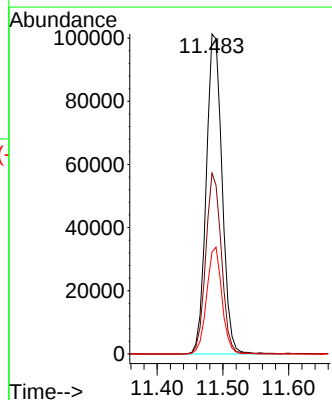
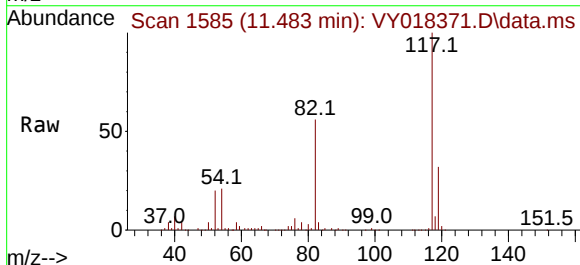
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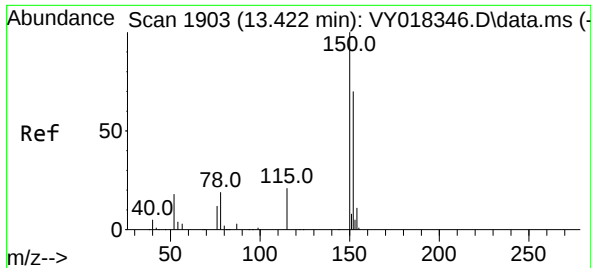
Tgt Ion: 95 Resp: 69048  
Ion Ratio Lower Upper  
95 100  
174 77.2 0.0 175.6  
176 71.5 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.483 min Scan# 1585  
Delta R.T. -0.006 min  
Lab File: VY018371.D  
Acq: 24 May 2024 17:52

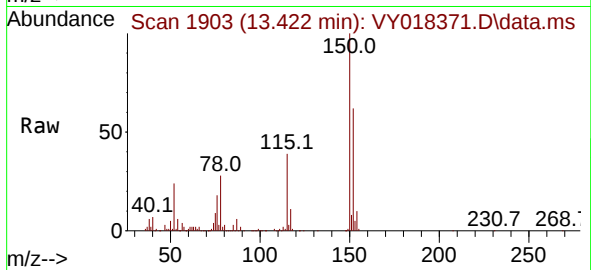
Tgt Ion: 117 Resp: 169556  
Ion Ratio Lower Upper  
117 100  
82 56.4 42.4 63.6  
119 31.9 25.9 38.9





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. -0.000 min  
 Lab File: VY018371.D  
 Acq: 24 May 2024 17:52

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RBR251686



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 62868 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 61.2  | 28.2  | 84.7  |
| 150      | 160.2 | 0.0   | 345.6 |

