

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061424\  
 Data File : VY018599.D  
 Acq On : 14 Jun 2024 16:59  
 Operator : SY/MD  
 Sample : P2855-05RE  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 72-11989RE

Quant Time: Jun 14 18:07:05 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061324S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 14 07:08:24 2024  
 Response via : Initial Calibration

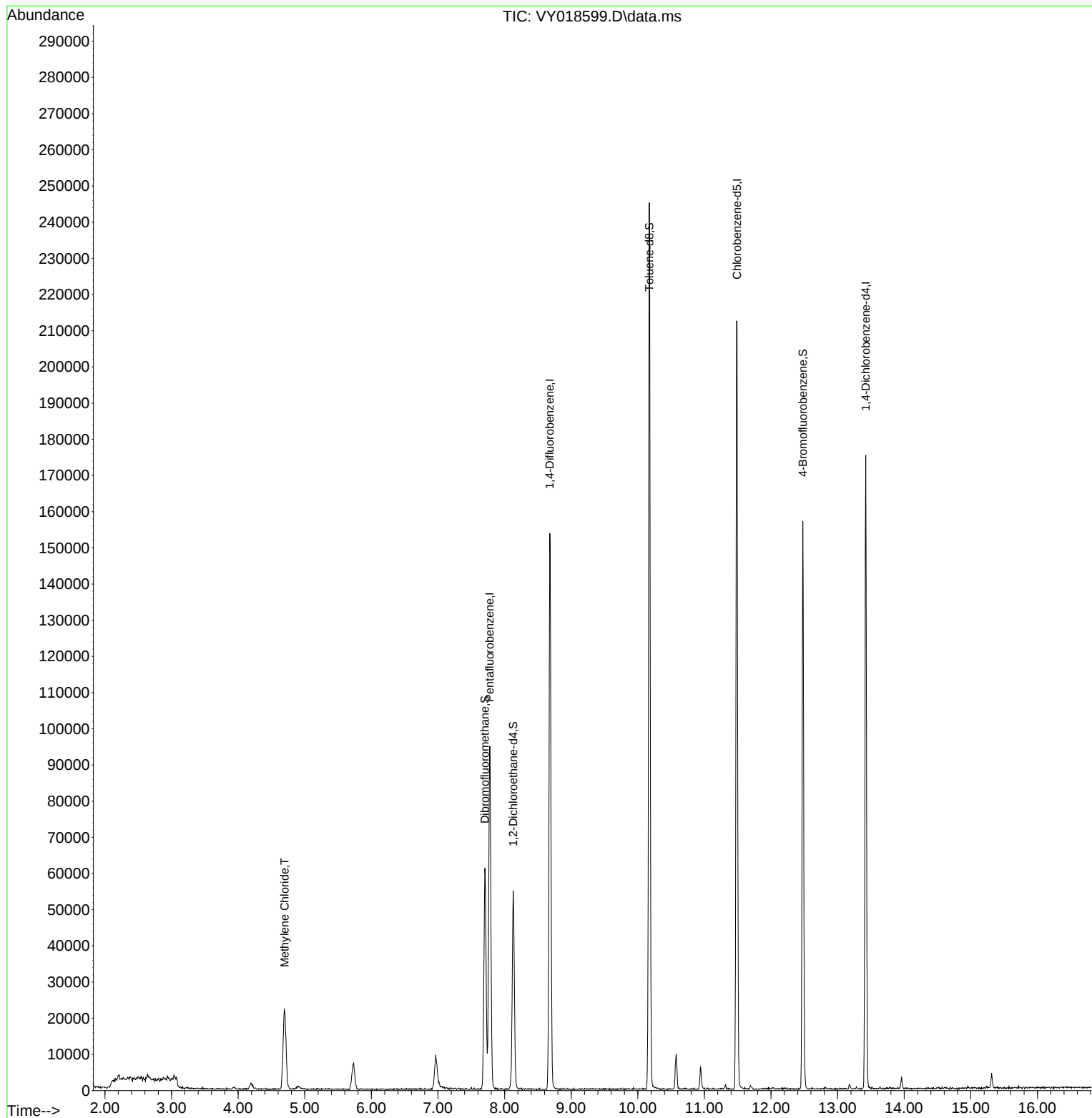
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)     |
|-----------------------------|--------|-------|----------|----------|-------|--------------|
| -----                       |        |       |          |          |       |              |
| Internal Standards          |        |       |          |          |       |              |
| 1) Pentafluorobenzene       | 7.777  | 168   | 70315    | 50.000   | ug/l  | 0.00         |
| 34) 1,4-Difluorobenzene     | 8.679  | 114   | 133719   | 50.000   | ug/l  | 0.00         |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 118811   | 50.000   | ug/l  | 0.00         |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 43786    | 50.000   | ug/l  | 0.00         |
| System Monitoring Compounds |        |       |          |          |       |              |
| 33) 1,2-Dichloroethane-d4   | 8.130  | 65    | 40785    | 57.612   | ug/l  | 0.00         |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 115.220%     |
| 35) Dibromofluoromethane    | 7.704  | 113   | 42813    | 52.486   | ug/l  | 0.00         |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 104.980%     |
| 50) Toluene-d8              | 10.173 | 98    | 156160   | 49.781   | ug/l  | 0.00         |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 99.560%      |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 44126    | 44.547   | ug/l  | 0.00         |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 89.100%      |
| Target Compounds            |        |       |          |          |       |              |
| 20) Methylene Chloride      | 4.698  | 84    | 16699    | 12.005   | ug/l  | Qvalue<br>89 |
| -----                       |        |       |          |          |       |              |

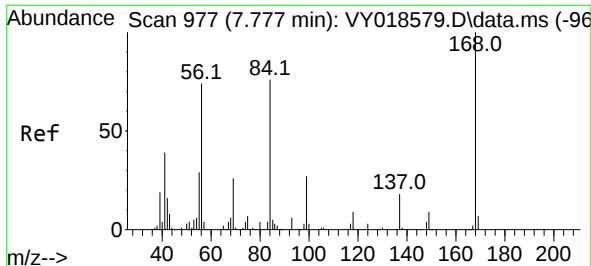
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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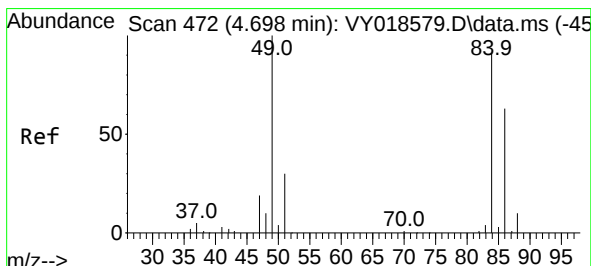
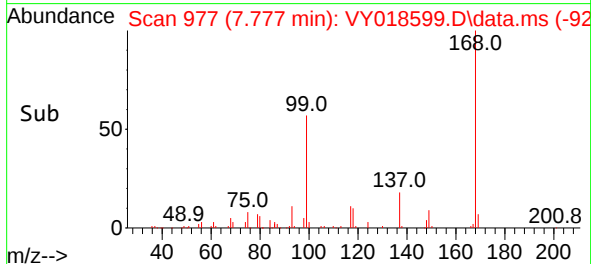
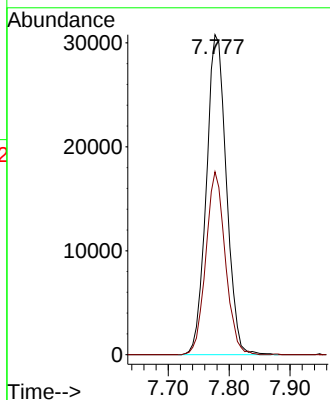
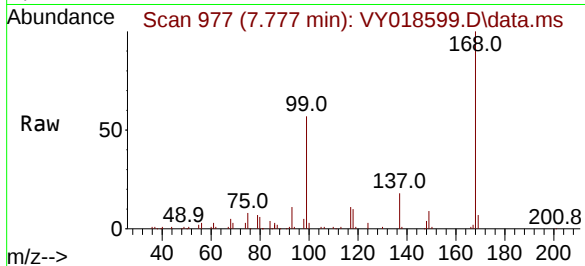




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY018599.D  
Acq: 14 Jun 2024 16:59

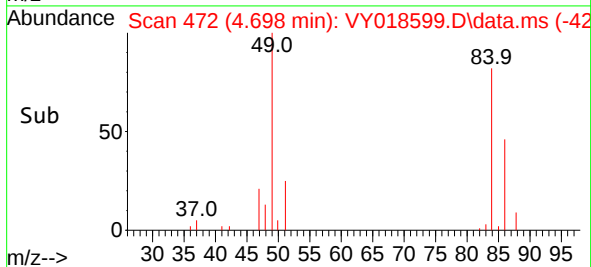
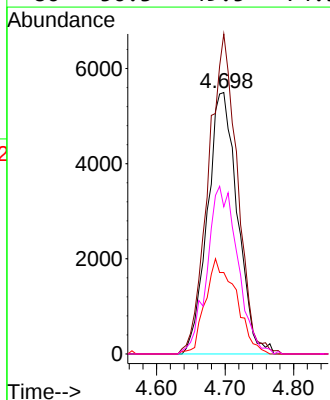
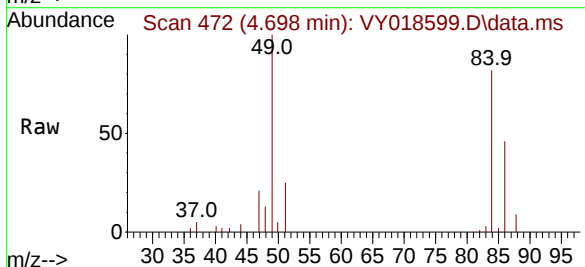
Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-11989RE

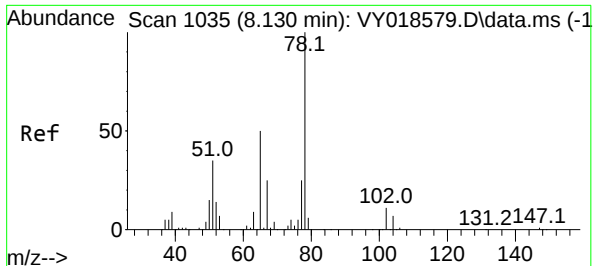
Tgt Ion:168 Resp: 70315  
Ion Ratio Lower Upper  
168 100  
99 57.2 39.1 58.7



#20  
Methylene Chloride  
Concen: 12.005 ug/l  
RT: 4.698 min Scan# 472  
Delta R.T. 0.000 min  
Lab File: VY018599.D  
Acq: 14 Jun 2024 16:59

Tgt Ion: 84 Resp: 16699  
Ion Ratio Lower Upper  
84 100  
49 122.4 84.4 126.6  
51 31.1 26.0 39.0  
86 56.3 49.5 74.3





#33

1,2-Dichloroethane-d4

Concen: 57.612 ug/l

RT: 8.130 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VY018599.D

Acq: 14 Jun 2024 16:59

Instrument :

MSVOA\_Y

ClientSampleId :

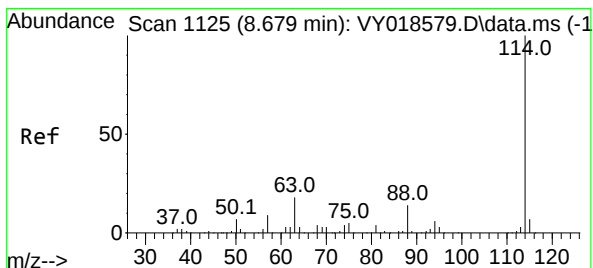
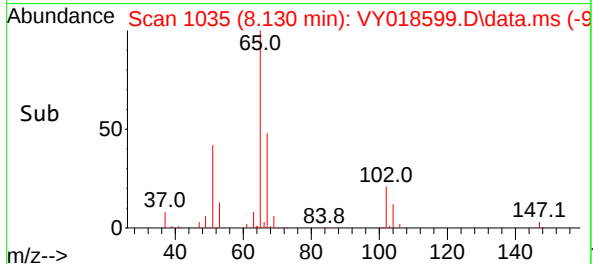
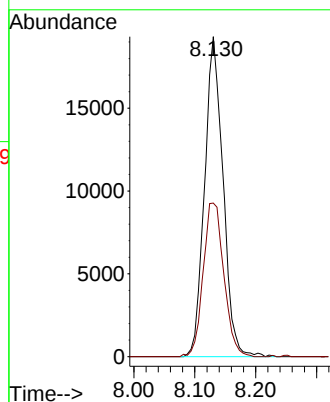
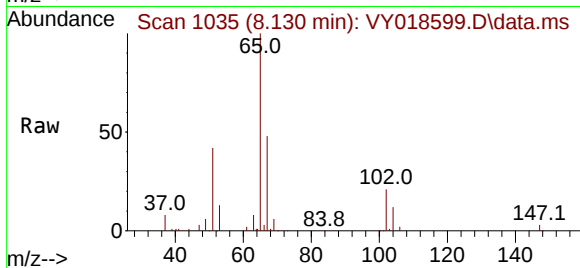
72-11989RE

Tgt Ion: 65 Resp: 40785

Ion Ratio Lower Upper

65 100

67 53.6 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.679 min Scan# 1125

Delta R.T. 0.000 min

Lab File: VY018599.D

Acq: 14 Jun 2024 16:59

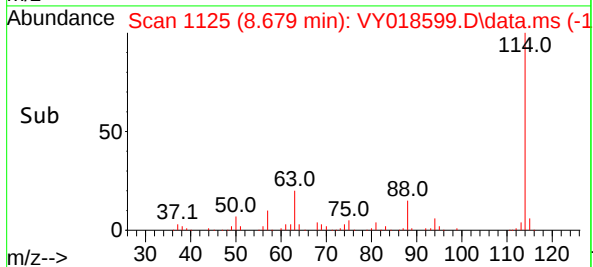
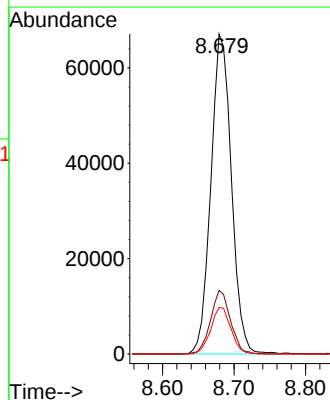
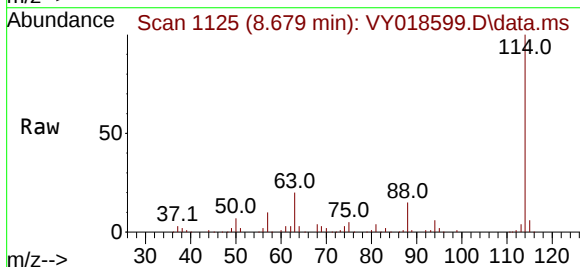
Tgt Ion: 114 Resp: 133719

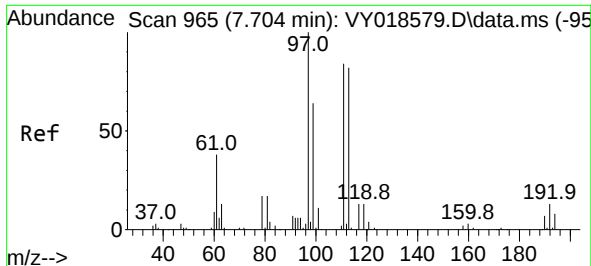
Ion Ratio Lower Upper

114 100

63 19.9 0.0 35.0

88 14.5 0.0 27.2

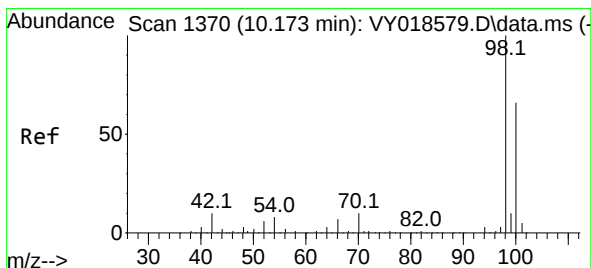
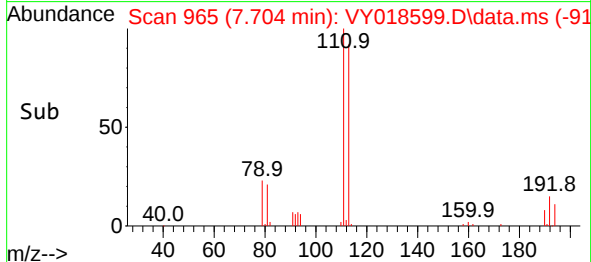
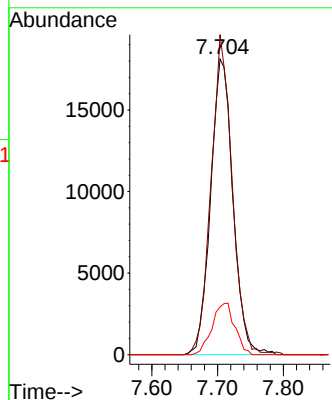
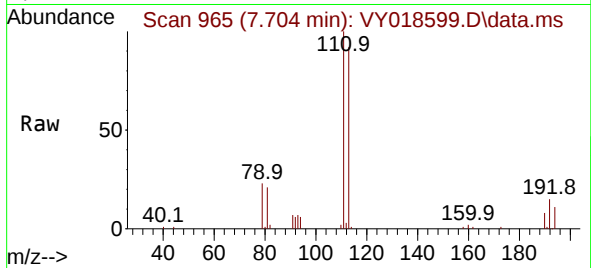




#35  
Dibromofluoromethane  
Concen: 52.486 ug/l  
RT: 7.704 min Scan# 965  
Delta R.T. 0.000 min  
Lab File: VY018599.D  
Acq: 14 Jun 2024 16:59

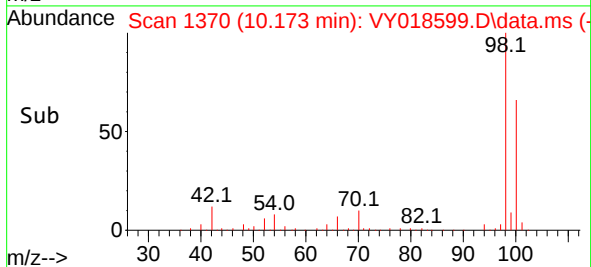
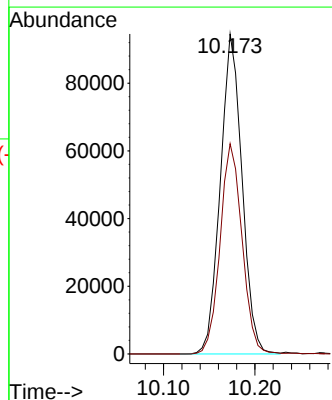
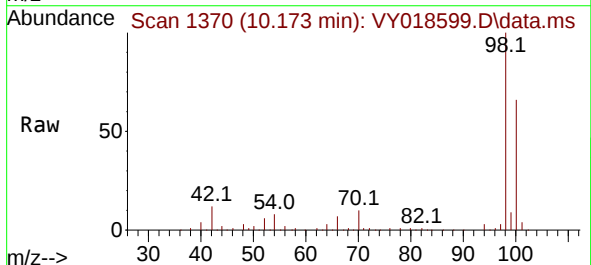
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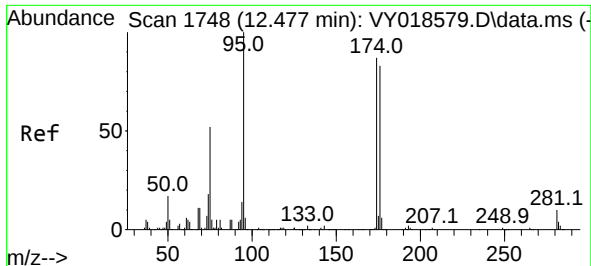
Tgt Ion:113 Resp: 42813  
Ion Ratio Lower Upper  
113 100  
111 102.3 82.2 123.4  
192 17.7 15.9 23.9



#50  
Toluene-d8  
Concen: 49.781 ug/l  
RT: 10.173 min Scan# 1370  
Delta R.T. 0.000 min  
Lab File: VY018599.D  
Acq: 14 Jun 2024 16:59

Tgt Ion: 98 Resp: 156160  
Ion Ratio Lower Upper  
98 100  
100 66.3 52.0 78.0

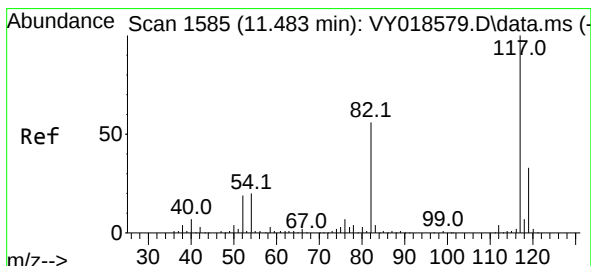
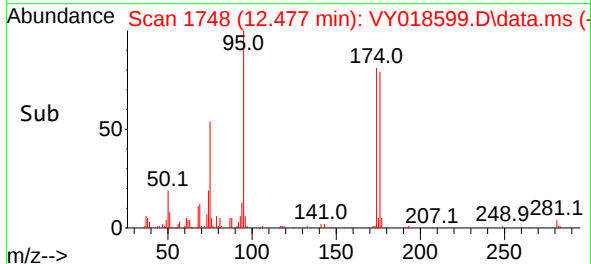
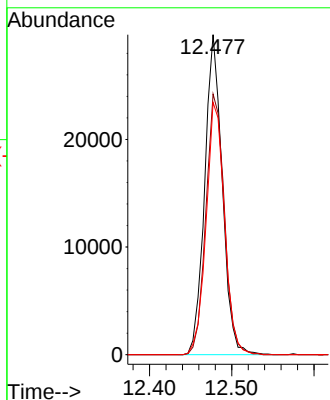
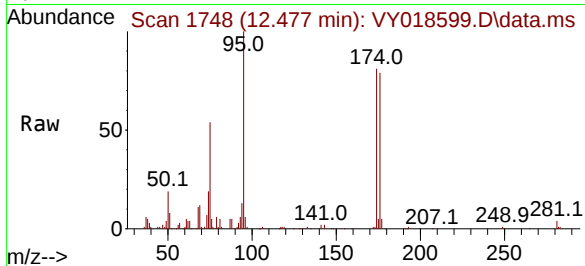




#62  
4-Bromofluorobenzene  
Concen: 44.547 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY018599.D  
Acq: 14 Jun 2024 16:59

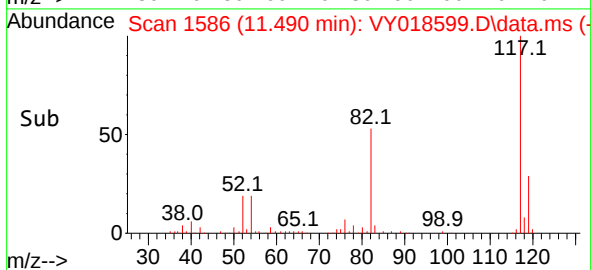
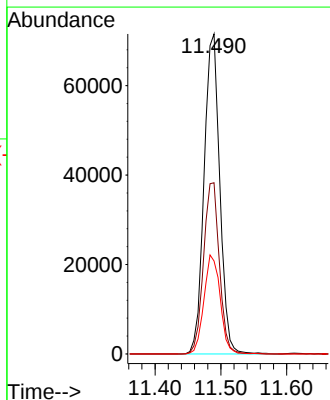
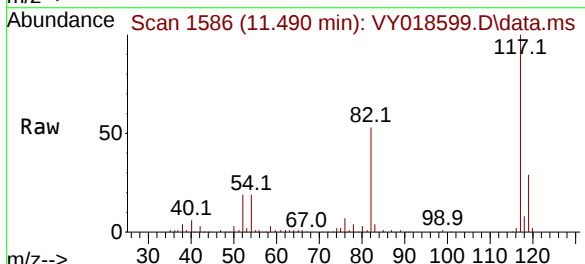
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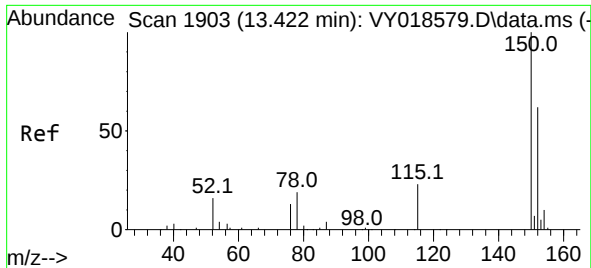
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 44126 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 85.8  | 0.0   | 175.6 |
| 176      | 82.4  | 0.0   | 171.4 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.006 min  
Lab File: VY018599.D  
Acq: 14 Jun 2024 16:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 118811 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 53.5  | 42.4  | 63.6   |
| 119      | 29.1  | 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: VY018599.D

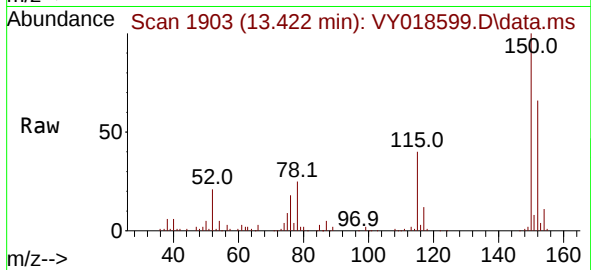
Acq: 14 Jun 2024 16:59

Instrument :

MSVOA\_Y

ClientSampleId :

72-11989RE



Tgt Ion:152 Resp: 43786

Ion Ratio Lower Upper

152 100

115 57.9 28.2 84.7

150 155.2 0.0 345.6

