

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061724\  
 Data File : VY018611.D  
 Acq On : 17 Jun 2024 15:44  
 Operator : SY/MD  
 Sample : P2889-03RE  
 Misc : 4.77g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WCS-TPJ-VOCRE

Quant Time: Jun 18 01:25:00 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

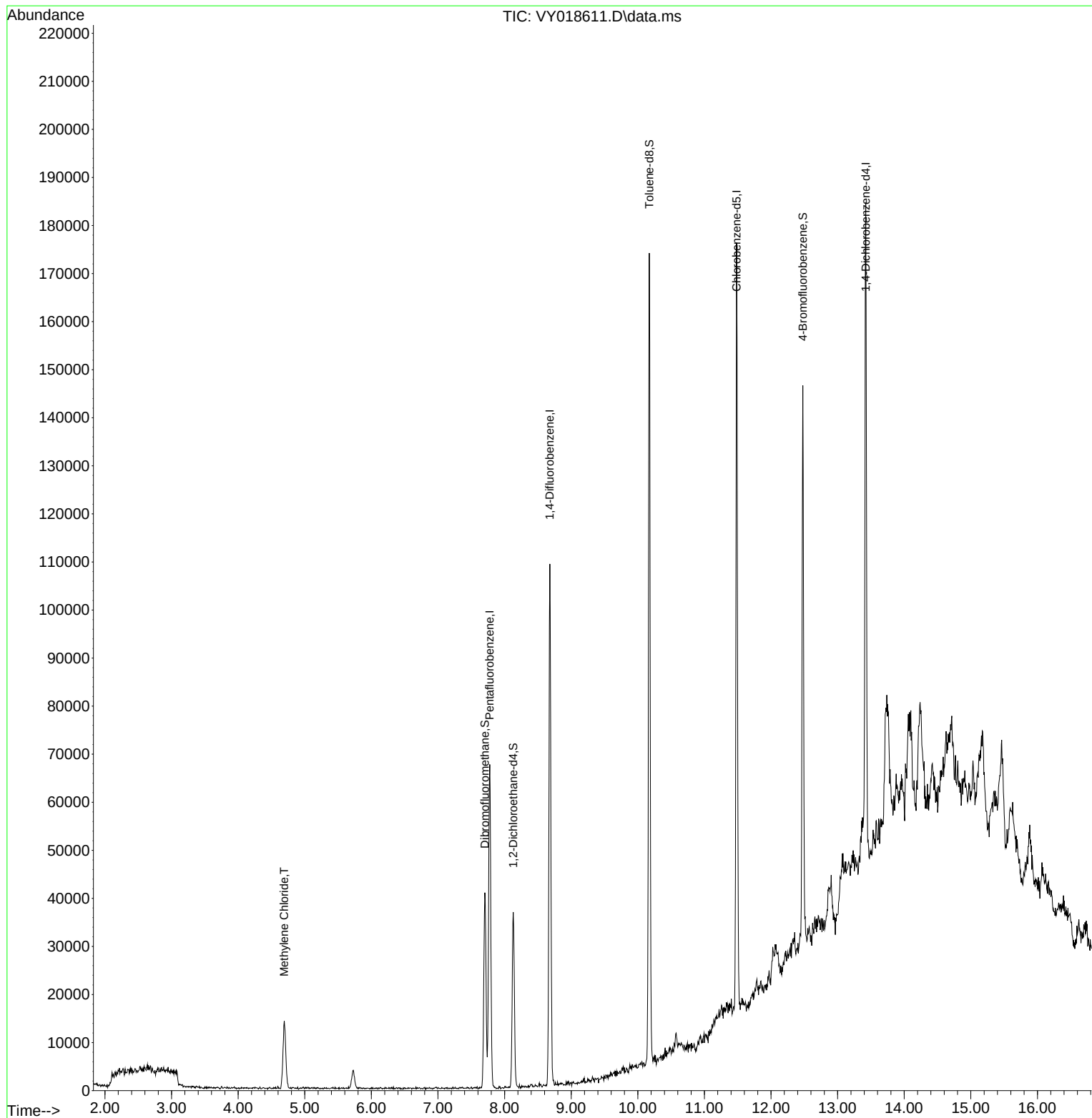
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.777  | 168   | 49655    | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.679  | 114   | 93718    | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.483 | 117   | 83175    | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 33301    | 50.000   | ug/l  | 0.00     |
|                             |        |       |          |          |       |          |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.130  | 65    | 28832    | 57.673   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 115.340% |
| 35) Dibromofluoromethane    | 7.704  | 113   | 28895    | 50.543   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 101.080% |
| 50) Toluene-d8              | 10.173 | 98    | 111037   | 50.505   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 101.000% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 35545    | 51.200   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 102.400% |
|                             |        |       |          |          |       |          |
| Target Compounds            |        |       |          |          |       |          |
| 20) Methylene Chloride      | 4.692  | 84    | 9970     | 8.462    | ug/l  | 94       |
| -----                       |        |       |          |          |       |          |

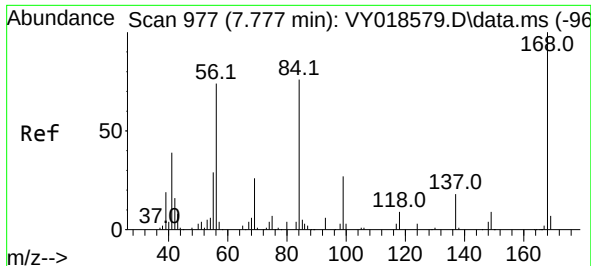
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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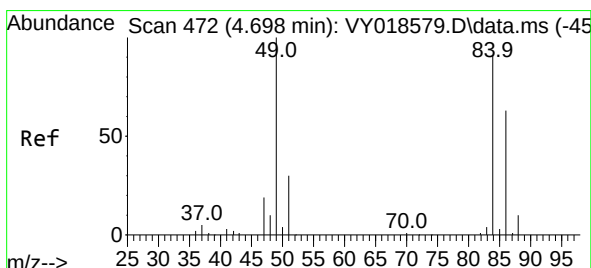
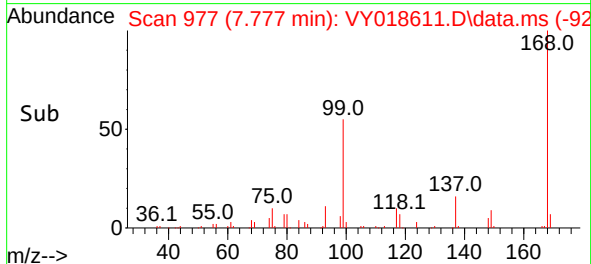
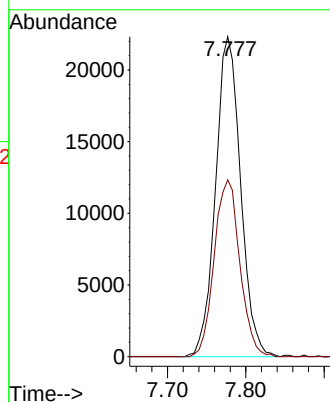
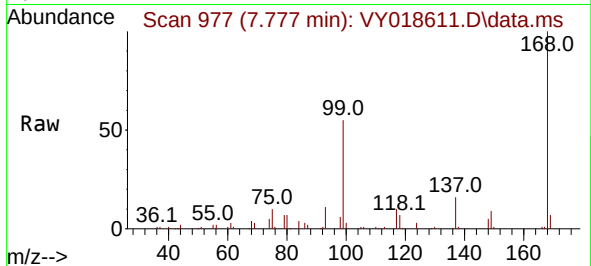




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY018611.D  
Acq: 17 Jun 2024 15:44

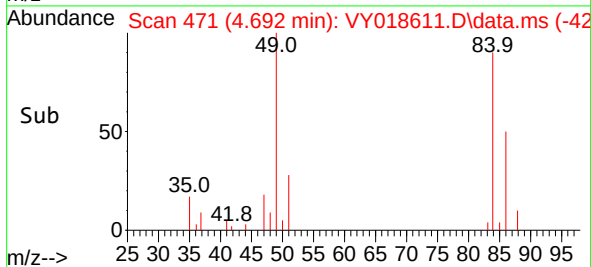
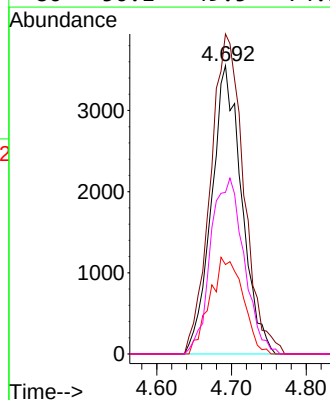
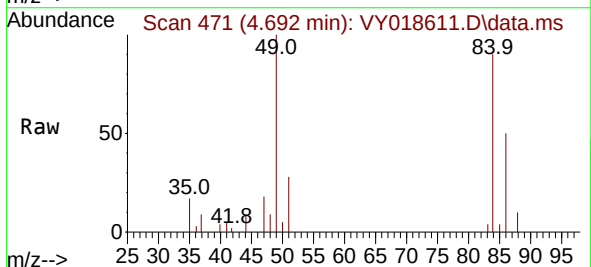
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WCS-TPJ-VOCRE

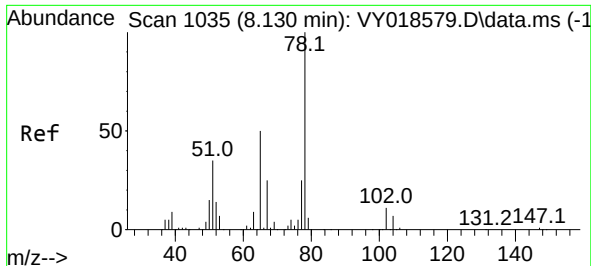
Tgt Ion:168 Resp: 49655  
Ion Ratio Lower Upper  
168 100  
99 55.2 39.1 58.7



#20  
Methylene Chloride  
Concen: 8.462 ug/l  
RT: 4.692 min Scan# 471  
Delta R.T. -0.006 min  
Lab File: VY018611.D  
Acq: 17 Jun 2024 15:44

Tgt Ion: 84 Resp: 9970  
Ion Ratio Lower Upper  
84 100  
49 111.0 84.4 126.6  
51 31.1 26.0 39.0  
86 56.1 49.5 74.3





#33

1,2-Dichloroethane-d4

Concen: 57.673 ug/l

RT: 8.130 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VY018611.D

Acq: 17 Jun 2024 15:44

Instrument :

MSVOA\_Y

ClientSampleId :

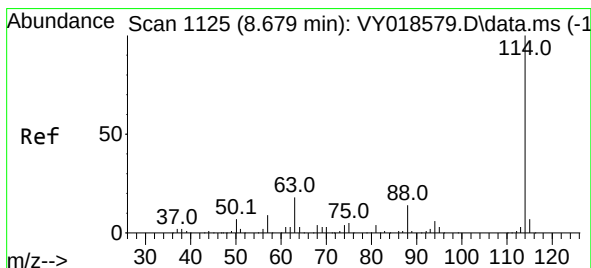
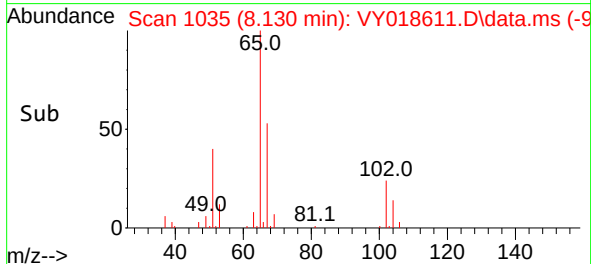
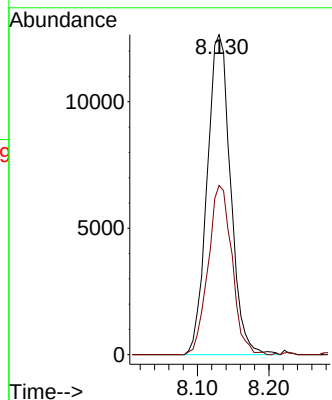
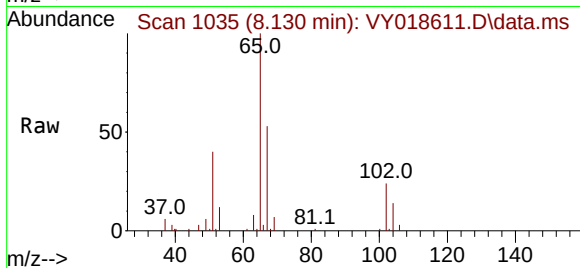
WCS-TPJ-VOCRE

Tgt Ion: 65 Resp: 28832

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: VY018611.D

Acq: 17 Jun 2024 15:44

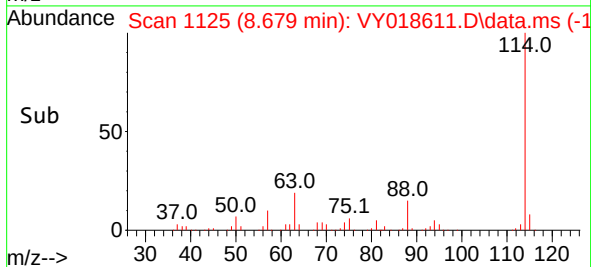
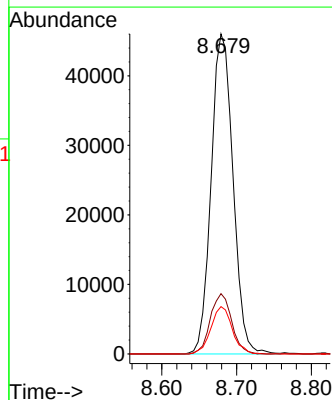
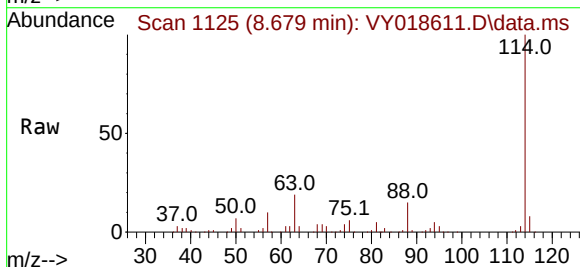
Tgt Ion: 114 Resp: 93718

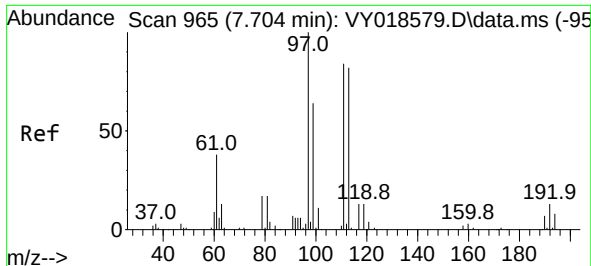
Ion Ratio Lower Upper

114 100

63 18.9 0.0 35.0

88 14.8 0.0 27.2

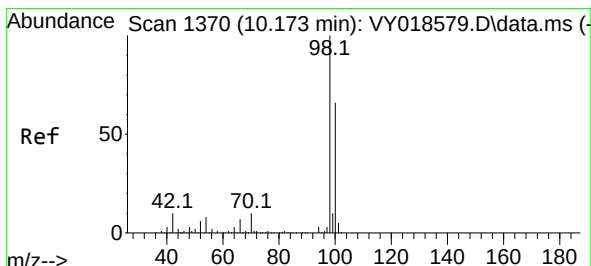
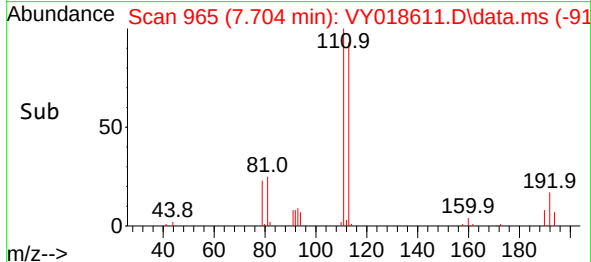
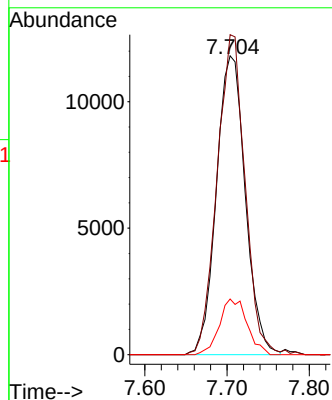
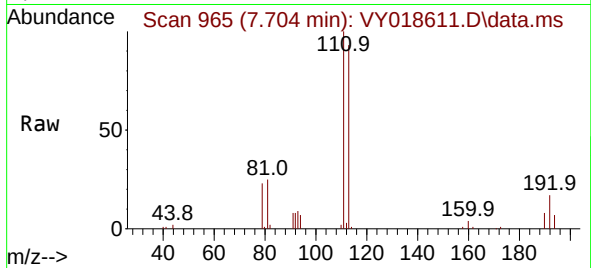




#35  
Dibromofluoromethane  
Concen: 50.543 ug/l  
RT: 7.704 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY018611.D  
Acq: 17 Jun 2024 15:44

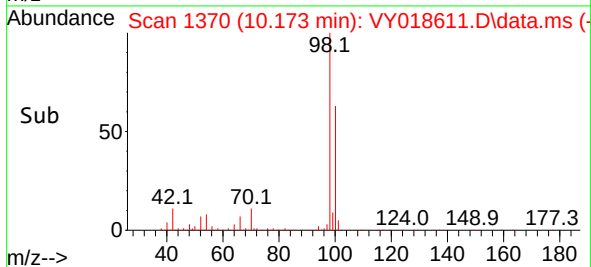
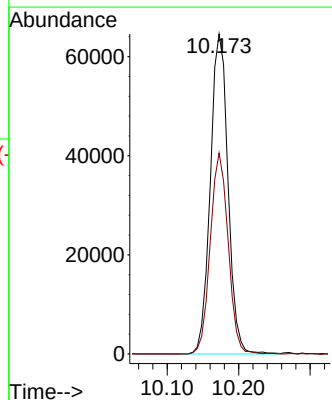
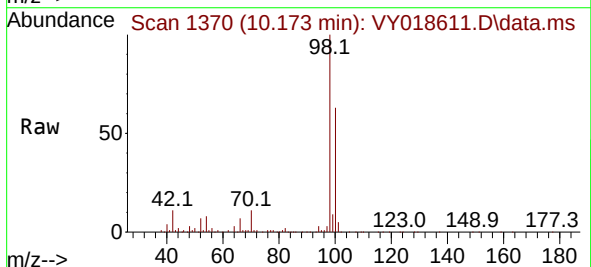
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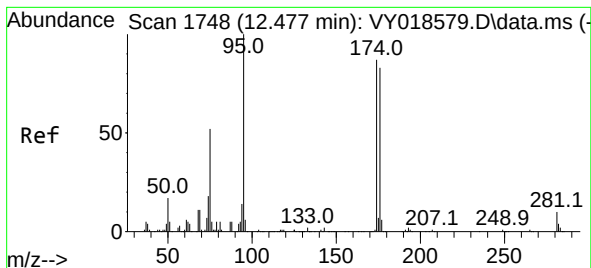
Tgt Ion:113 Resp: 28895  
Ion Ratio Lower Upper  
113 100  
111 103.6 82.2 123.4  
192 17.9 15.9 23.9



#50  
Toluene-d8  
Concen: 50.505 ug/l  
RT: 10.173 min Scan# 1370  
Delta R.T. 0.000 min  
Lab File: VY018611.D  
Acq: 17 Jun 2024 15:44

Tgt Ion: 98 Resp: 111037  
Ion Ratio Lower Upper  
98 100  
100 63.3 52.0 78.0

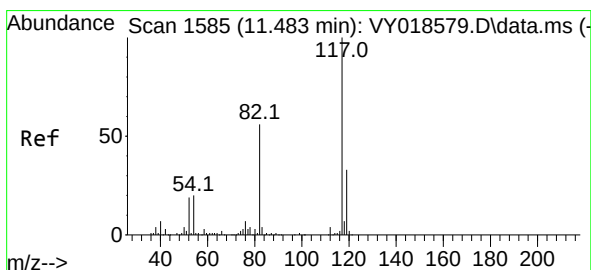
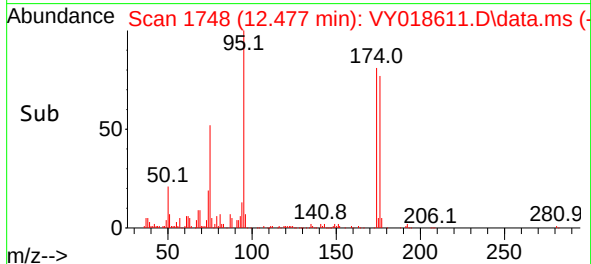
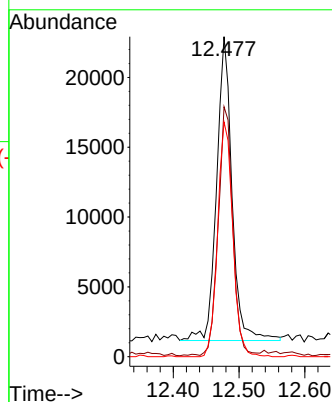
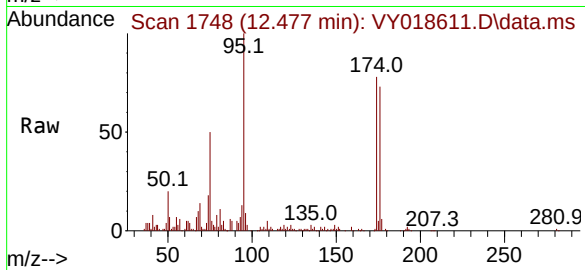




#62  
4-Bromofluorobenzene  
Concen: 51.200 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY018611.D  
Acq: 17 Jun 2024 15:44

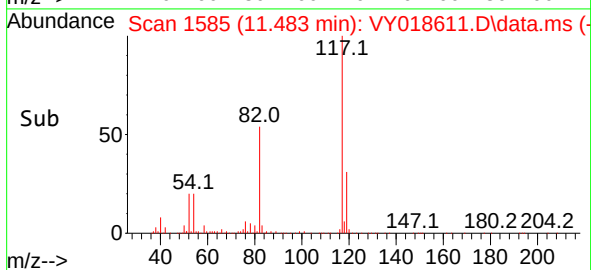
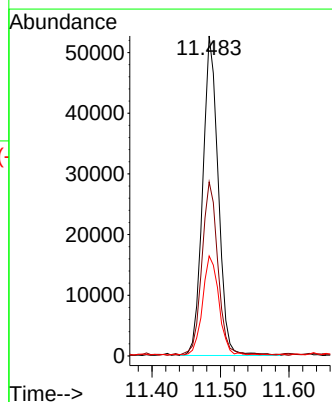
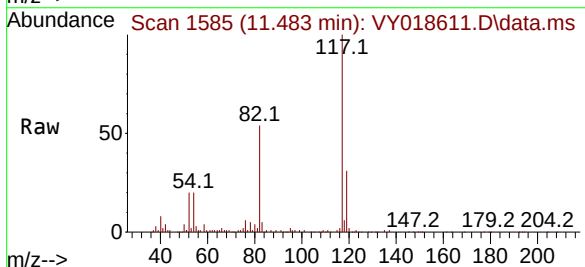
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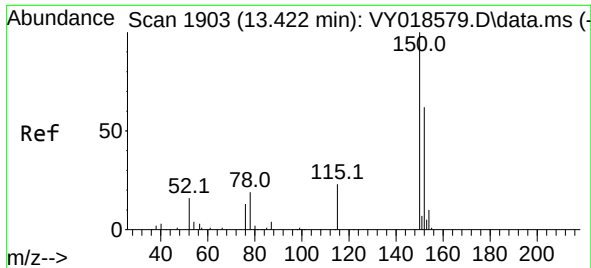
Tgt Ion: 95 Resp: 35545  
Ion Ratio Lower Upper  
95 100  
174 77.4 0.0 175.6  
176 75.6 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.483 min Scan# 1585  
Delta R.T. 0.000 min  
Lab File: VY018611.D  
Acq: 17 Jun 2024 15:44

Tgt Ion: 117 Resp: 83175  
Ion Ratio Lower Upper  
117 100  
82 54.1 42.4 63.6  
119 30.8 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: VY018611.D

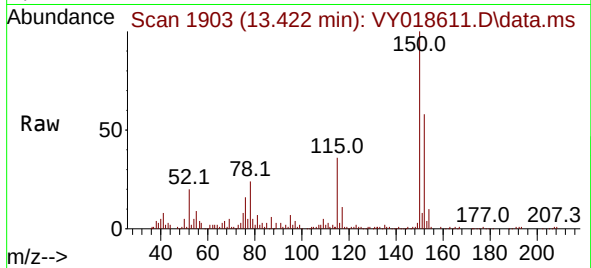
Acq: 17 Jun 2024 15:44

Instrument :

MSVOA\_Y

ClientSampleId :

WCS-TPJ-VOCRE



Tgt Ion:152 Resp: 33301

Ion Ratio Lower Upper

152 100

115 58.4 28.2 84.7

150 160.8 0.0 345.6

