

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020224\  
 Data File : VY017213.D  
 Acq On : 03 Feb 2024 04:05  
 Operator : SY/MD  
 Sample : P1345-03  
 Misc : 5.17g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TT-278-IDWSO-20240201-3

Quant Time: Feb 03 04:31:21 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020124S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 02 00:56:04 2024  
 Response via : Initial Calibration

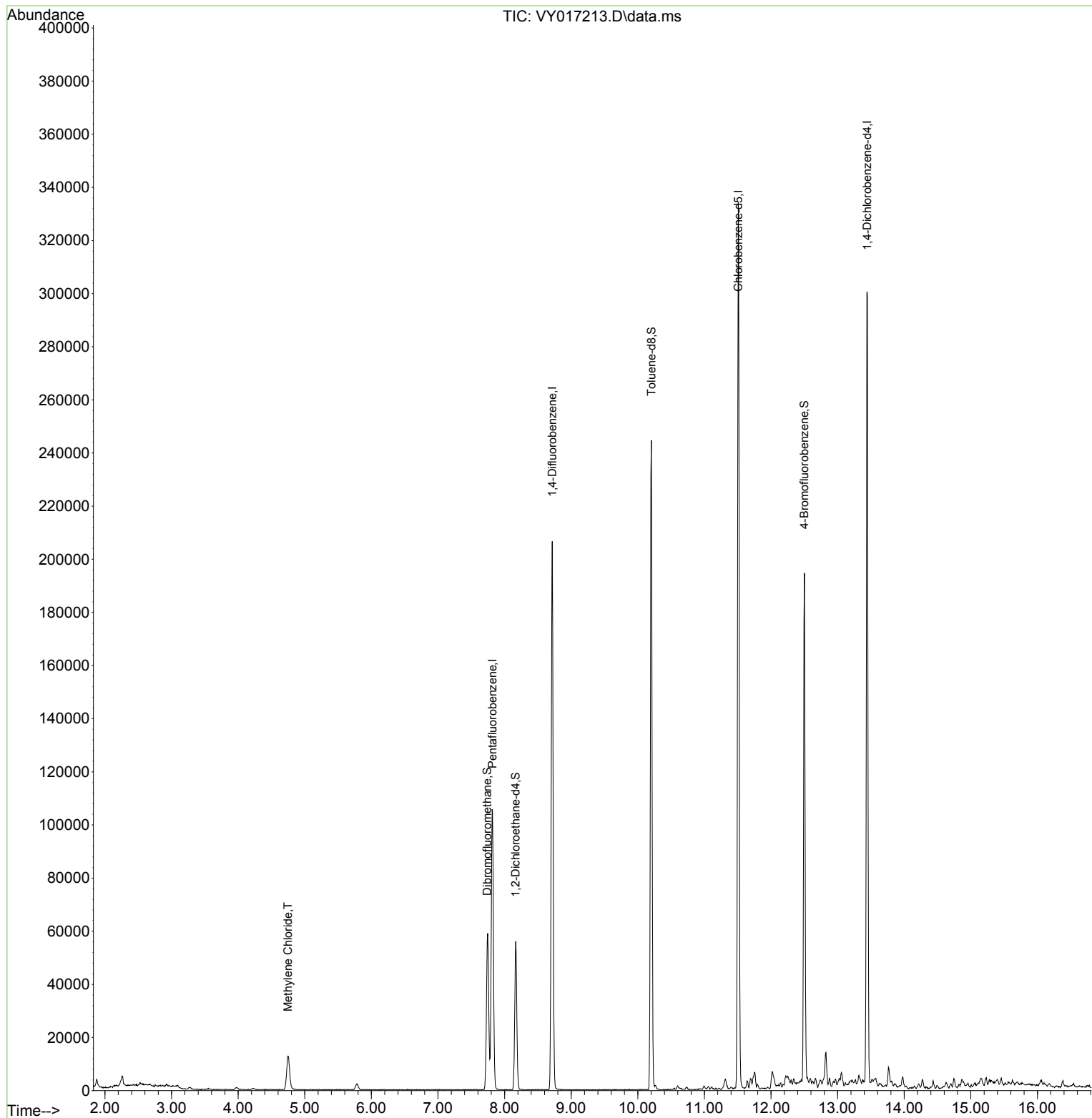
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.819  | 168   | 81810    | 50.000   | ug/l  | 0.02     |
| 34) 1,4-Difluorobenzene     | 8.715  | 114   | 177274   | 50.000   | ug/l  | 0.02     |
| 63) Chlorobenzene-d5        | 11.508 | 117   | 186416   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.446 | 152   | 75965    | 50.000   | ug/l  | 0.01     |
|                             |        |       |          |          |       |          |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.167  | 65    | 41312    | 56.527   | ug/l  | 0.02     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 113.060% |
| 35) Dibromofluoromethane    | 7.740  | 113   | 43112    | 45.041   | ug/l  | 0.01     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 90.080%  |
| 50) Toluene-d8              | 10.203 | 98    | 158358   | 45.440   | ug/l  | 0.02     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 90.880%  |
| 62) 4-Bromofluorobenzene    | 12.501 | 95    | 57912    | 50.728   | ug/l  | 0.01     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 101.460% |
|                             |        |       |          |          |       |          |
| Target Compounds            |        |       |          |          |       | Qvalue   |
| 20) Methylene Chloride      | 4.747  | 84    | 10088    | 8.563    | ug/l  | 91       |
| -----                       |        |       |          |          |       |          |

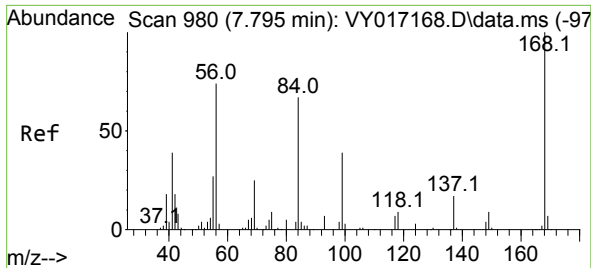
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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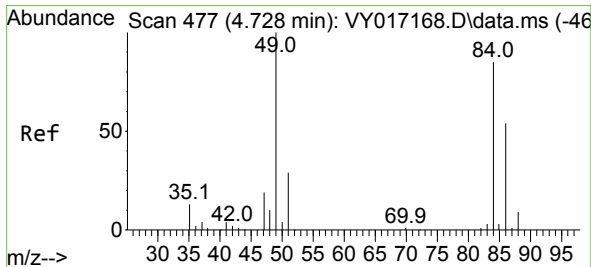
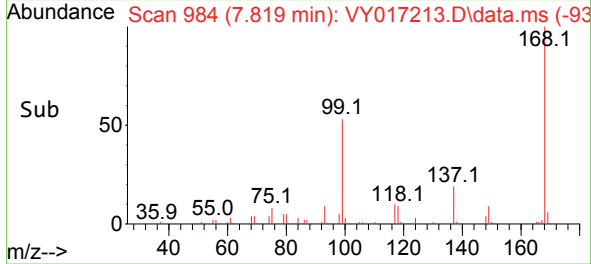
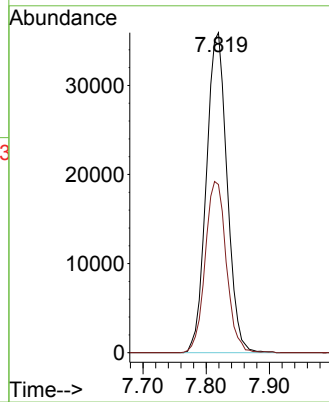
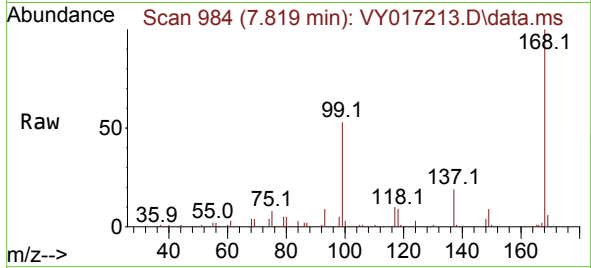




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.819 min Scan# 91  
Delta R.T. 0.024 min  
Lab File: VY017213.D  
Acq: 03 Feb 2024 04:05

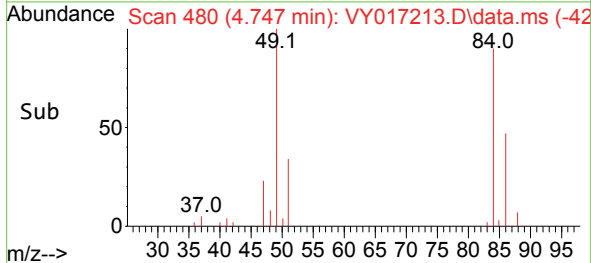
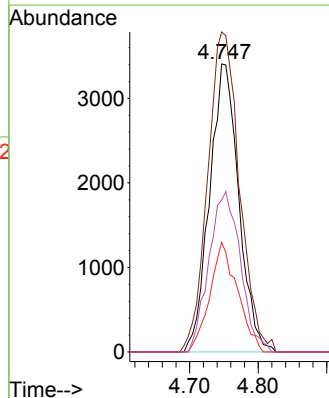
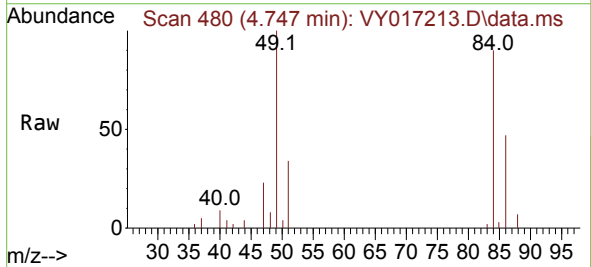
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TT-278-IDWSO-20240201-3

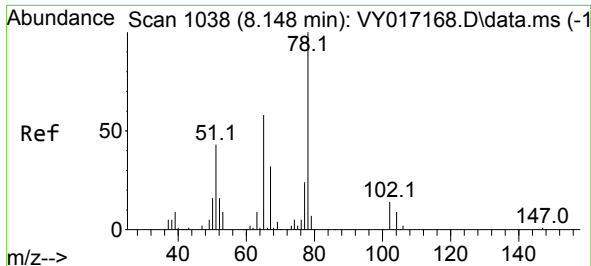
Tgt Ion:168 Resp: 81810  
Ion Ratio Lower Upper  
168 100  
99 52.5 44.2 66.4



#20  
Methylene Chloride  
Concen: 8.563 ug/l  
RT: 4.747 min Scan# 480  
Delta R.T. 0.019 min  
Lab File: VY017213.D  
Acq: 03 Feb 2024 04:05

Tgt Ion: 84 Resp: 10088  
Ion Ratio Lower Upper  
84 100  
49 111.1 95.2 142.8  
51 38.1 29.9 44.9  
86 52.8 52.2 78.4





#33

1,2-Dichloroethane-d4

Concen: 56.527 ug/l

RT: 8.167 min Scan# 1

Delta R.T. 0.019 min

Lab File: VY017213.D

Acq: 03 Feb 2024 04:05

Instrument :

MSVOA\_Y

ClientSampleId :

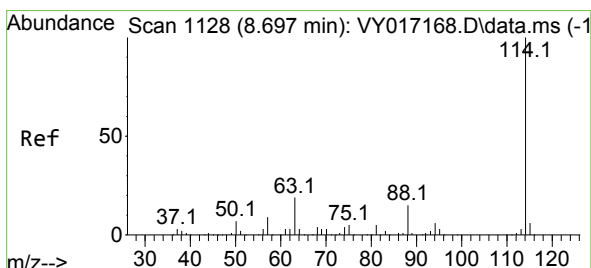
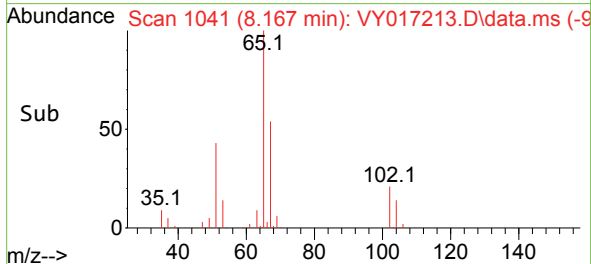
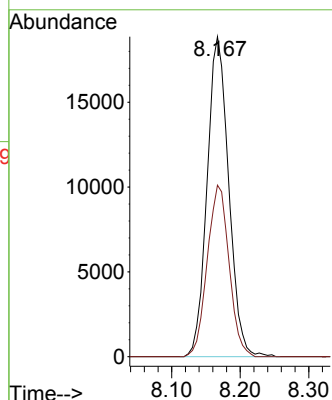
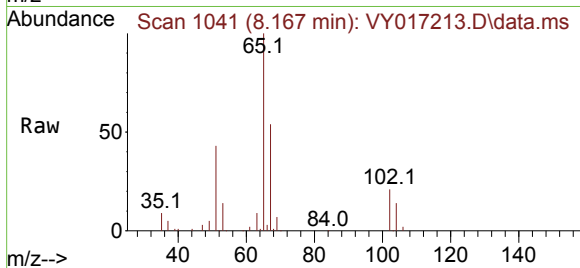
TT-278-IDWSO-20240201-3

Tgt Ion: 65 Resp: 41312

Ion Ratio Lower Upper

65 100

67 54.1 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.715 min Scan# 1131

Delta R.T. 0.019 min

Lab File: VY017213.D

Acq: 03 Feb 2024 04:05

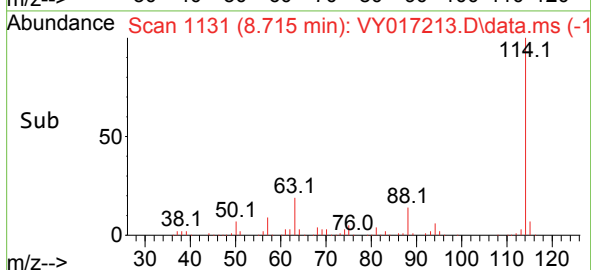
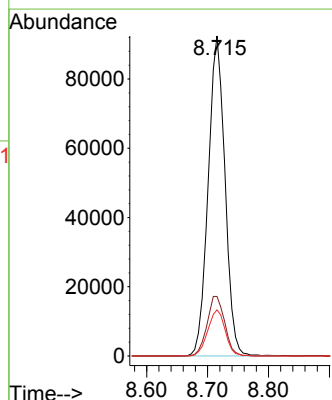
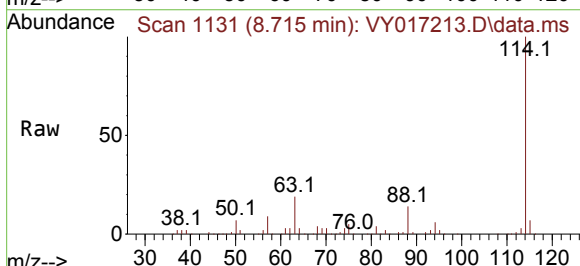
Tgt Ion: 114 Resp: 177274

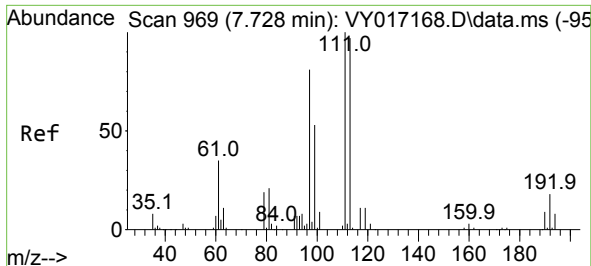
Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.4

88 14.4 0.0 29.0

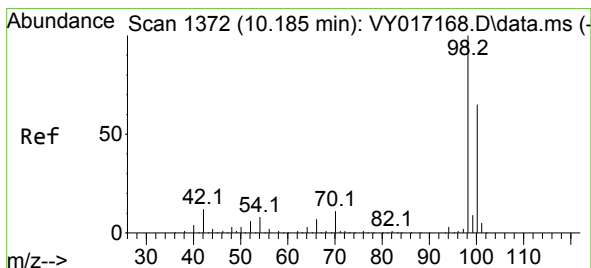
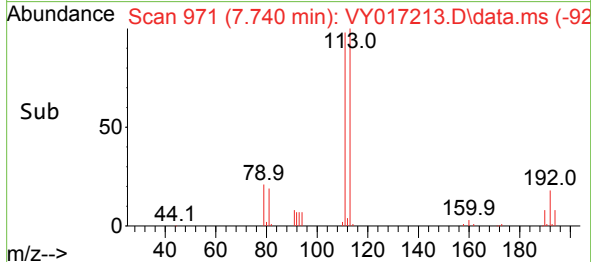
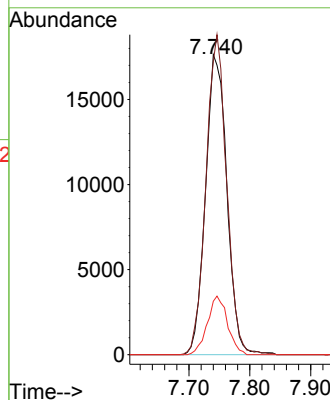
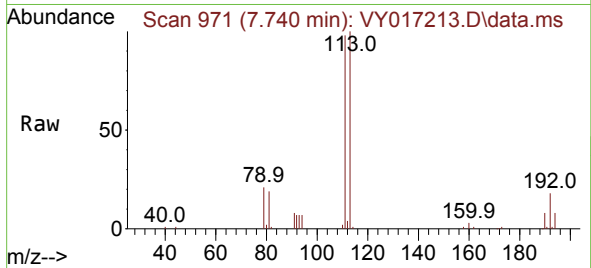




#35  
 Dibromofluoromethane  
 Concen: 45.041 ug/l  
 RT: 7.740 min Scan# 91  
 Delta R.T. 0.012 min  
 Lab File: VY017213.D  
 Acq: 03 Feb 2024 04:05

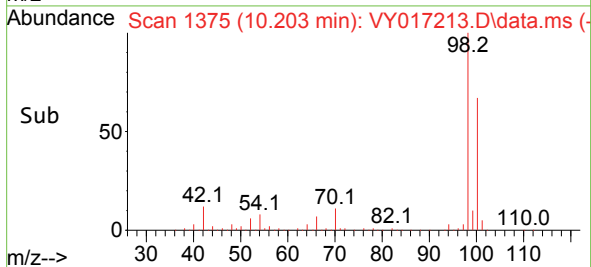
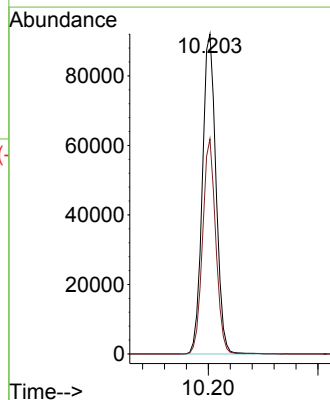
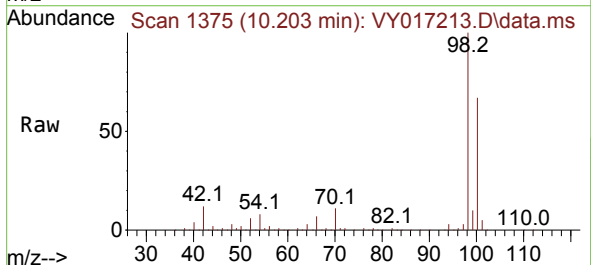
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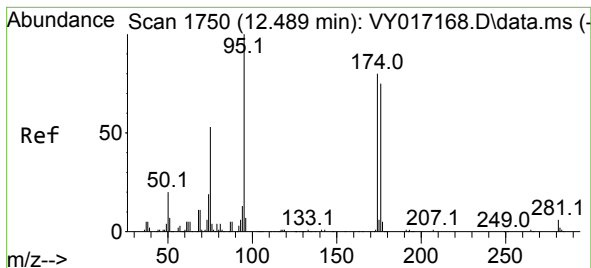
Tgt Ion:113 Resp: 43112  
 Ion Ratio Lower Upper  
 113 100  
 111 102.7 83.8 125.6  
 192 18.3 14.5 21.7



#50  
 Toluene-d8  
 Concen: 45.440 ug/l  
 RT: 10.203 min Scan# 1375  
 Delta R.T. 0.019 min  
 Lab File: VY017213.D  
 Acq: 03 Feb 2024 04:05

Tgt Ion: 98 Resp: 158358  
 Ion Ratio Lower Upper  
 98 100  
 100 64.9 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 50.728 ug/l

RT: 12.501 min Scan# 1752

Delta R.T. 0.012 min

Lab File: VY017213.D

Acq: 03 Feb 2024 04:05

Instrument :

MSVOA\_Y

ClientSampleId :

TT-278-IDWSO-20240201-3

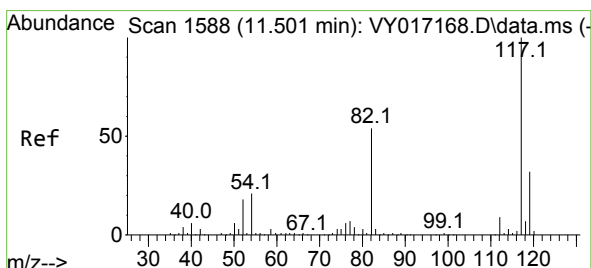
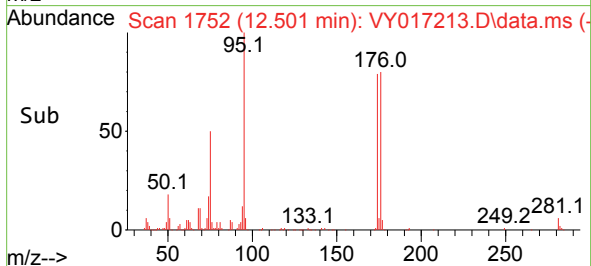
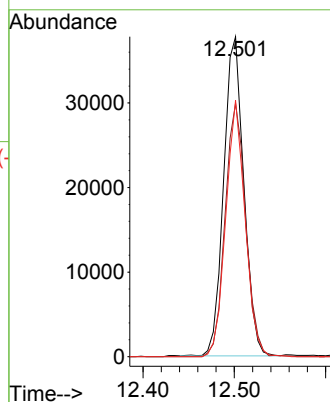
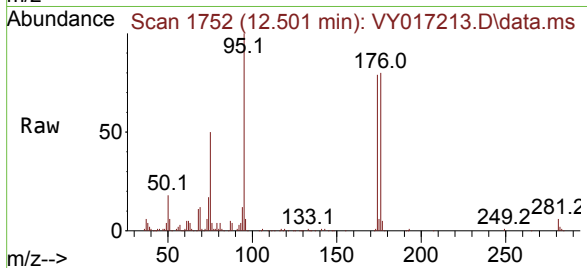
Tgt Ion: 95 Resp: 57912

Ion Ratio Lower Upper

95 100

174 81.0 0.0 160.0

176 77.1 0.0 151.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.508 min Scan# 1589

Delta R.T. 0.006 min

Lab File: VY017213.D

Acq: 03 Feb 2024 04:05

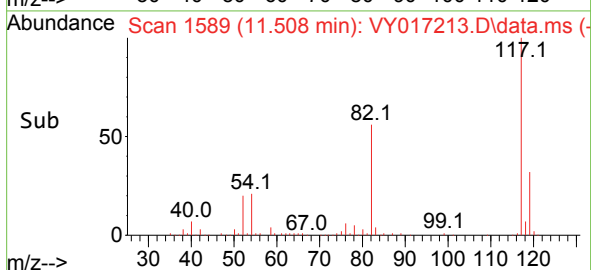
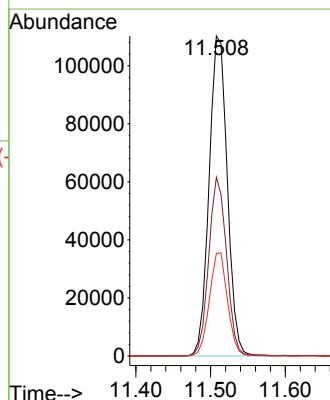
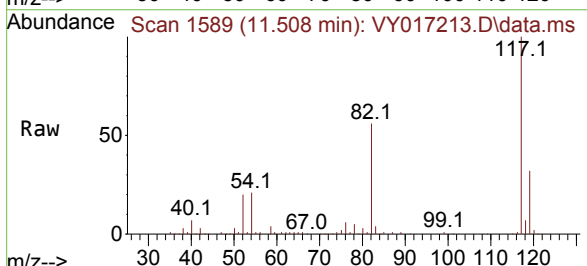
Tgt Ion: 117 Resp: 186416

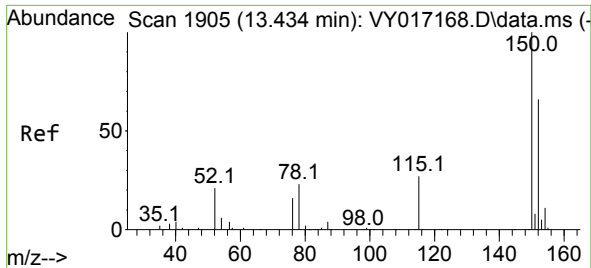
Ion Ratio Lower Upper

117 100

82 55.8 43.8 65.8

119 32.0 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. 0.012 min

Lab File: VY017213.D

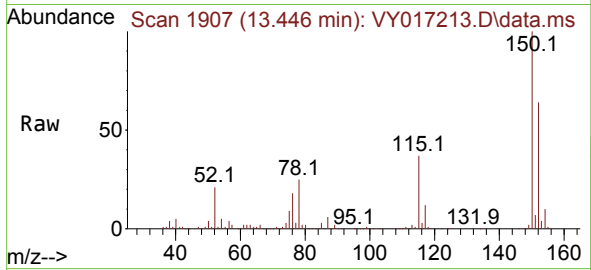
Acq: 03 Feb 2024 04:05

Instrument :

MSVOA\_Y

ClientSampleId :

TT-278-IDWSO-20240201-3



Tgt Ion:152 Resp: 75965

Ion Ratio Lower Upper

152 100

115 60.0 30.0 90.0

150 157.0 0.0 344.6

