

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111023\  
 Data File : VX038756.D  
 Acq On : 11 Nov 2023 04:00  
 Operator : JC/MD  
 Sample : 05350-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT158S1-20231107

Quant Time: Nov 11 05:08:36 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110723W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 08 03:19:07 2023  
 Response via : Initial Calibration

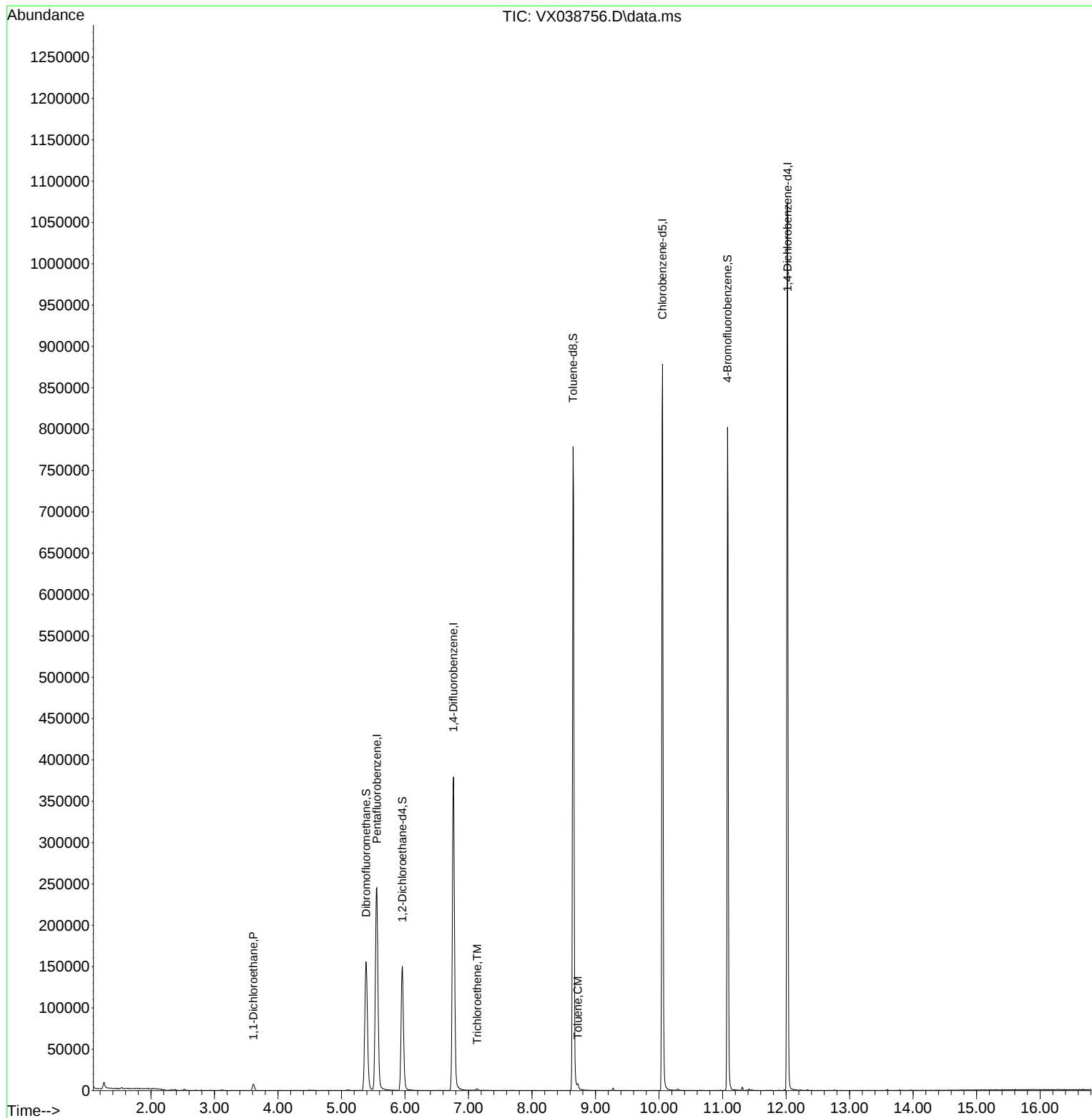
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 5.556  | 168   | 258605   | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 424360   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 441220   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 256392   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 149232   | 46.352   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =     | 92.700%  |
| 35) Dibromofluoromethane    | 5.385  | 113   | 139578   | 45.668   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 91.340%  |
| 50) Toluene-d8              | 8.647  | 98    | 502181   | 45.916   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =     | 91.840%# |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 216243   | 50.996   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =     | 102.000% |
| Target Compounds            |        |       |          |          |       |          |
|                             |        |       |          |          |       | Qvalue   |
| 24) 1,1-Dichloroethane      | 3.611  | 63    | 8830     | 2.049    | ug/l  | 99       |
| 44) Trichloroethene         | 7.135  | 130   | 1027     | 0.302    | ug/l  | 73       |
| 52) Toluene                 | 8.720  | 92    | 1817     | 0.254    | ug/l  | 93       |
| -----                       |        |       |          |          |       |          |

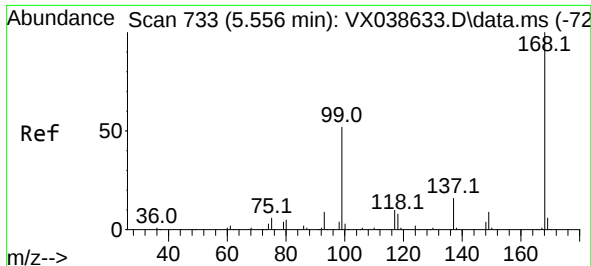
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Nov 08 03:19:07 2023  
Response via : Initial Calibration





#1  
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX038756.D

Acq: 11 Nov 2023 04:00

Instrument :

MSVOA\_X

ClientSampleId :

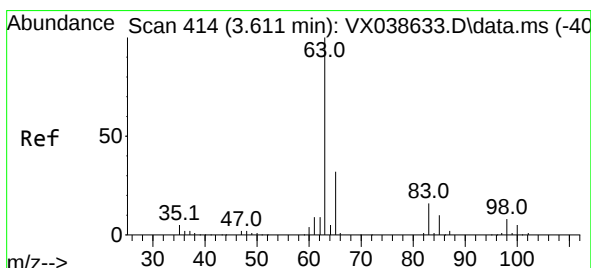
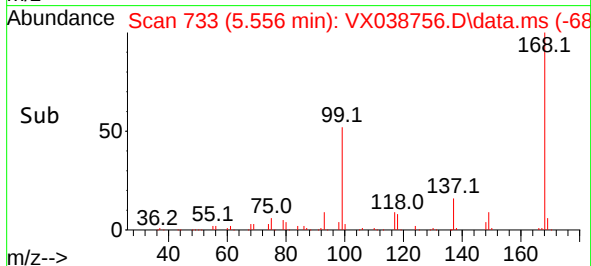
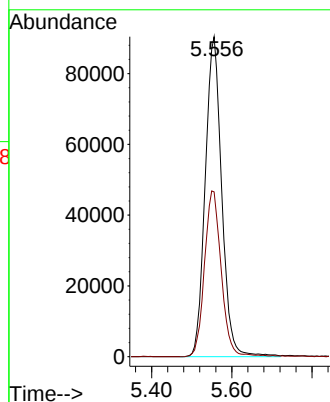
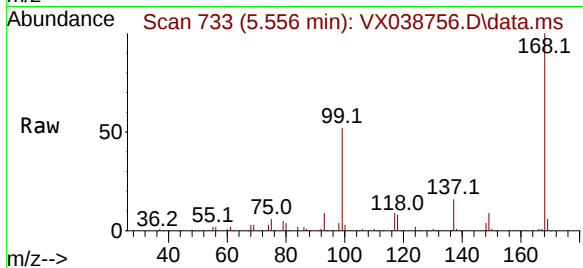
TT158S1-20231107

Tgt Ion:168 Resp: 258605

Ion Ratio Lower Upper

168 100

99 51.5 56.6 85.0#



#24

1,1-Dichloroethane

Concen: 2.049 ug/l

RT: 3.611 min Scan# 414

Delta R.T. 0.000 min

Lab File: VX038756.D

Acq: 11 Nov 2023 04:00

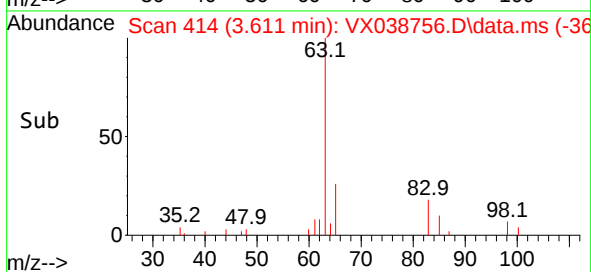
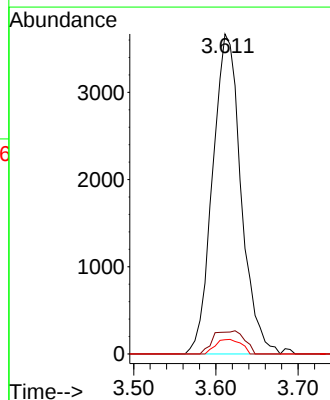
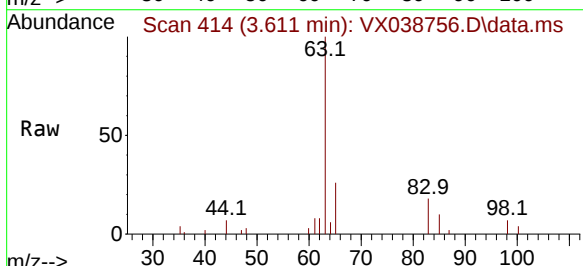
Tgt Ion: 63 Resp: 8830

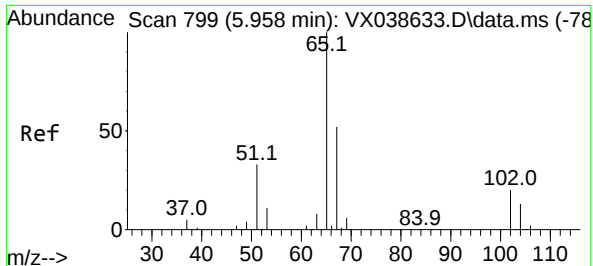
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

100 4.4 2.1 6.5

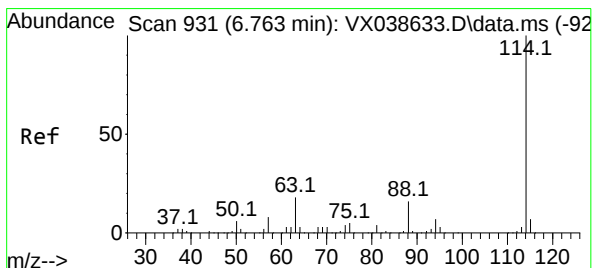
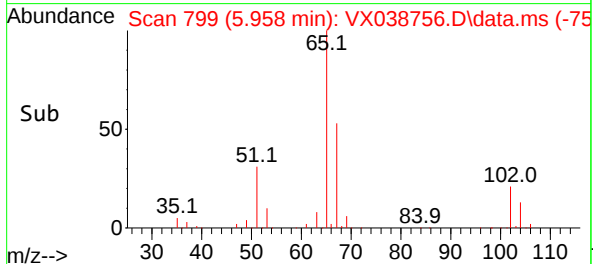
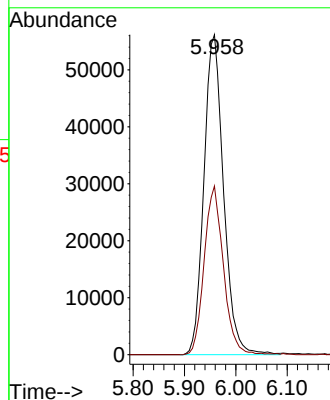
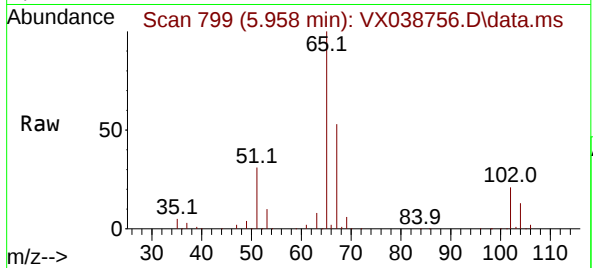




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.352 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. 0.000 min  
 Lab File: VX038756.D  
 Acq: 11 Nov 2023 04:00

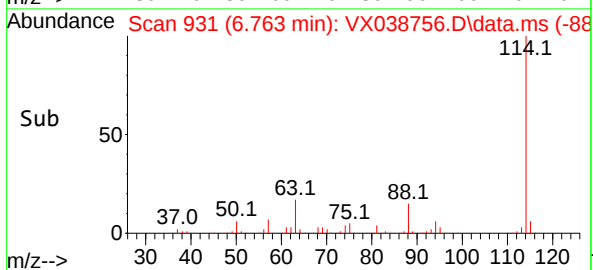
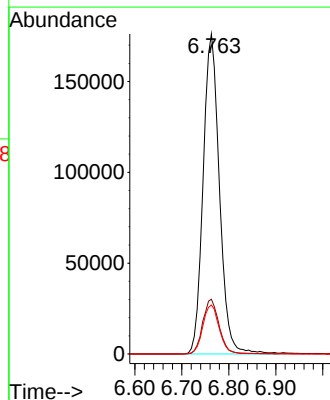
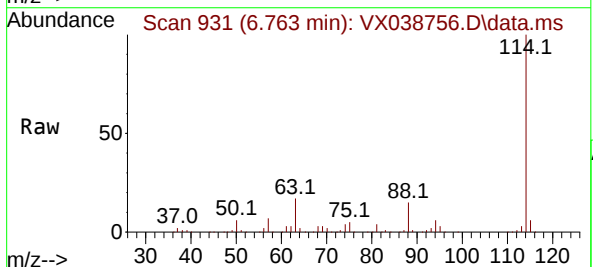
Instrument :  
 MSVOA\_X  
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 TT158S1-20231107

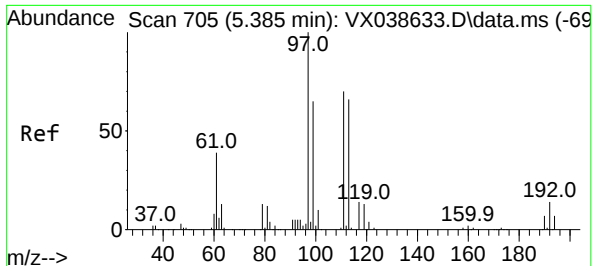
Tgt Ion: 65 Resp: 149232  
 Ion Ratio Lower Upper  
 65 100  
 67 51.5 0.0 100.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. 0.000 min  
 Lab File: VX038756.D  
 Acq: 11 Nov 2023 04:00

Tgt Ion: 114 Resp: 424360  
 Ion Ratio Lower Upper  
 114 100  
 63 17.1 0.0 45.0  
 88 15.3 0.0 36.6





#35

Dibromofluoromethane

Concen: 45.668 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX038756.D

Acq: 11 Nov 2023 04:00

Instrument :

MSVOA\_X

ClientSampleId :

TT158S1-20231107

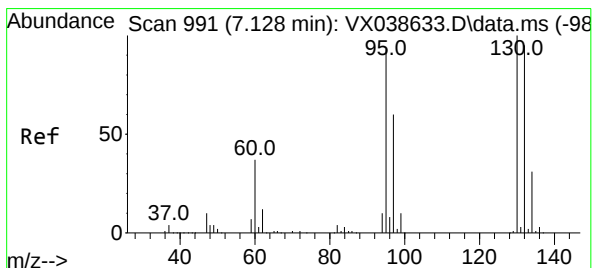
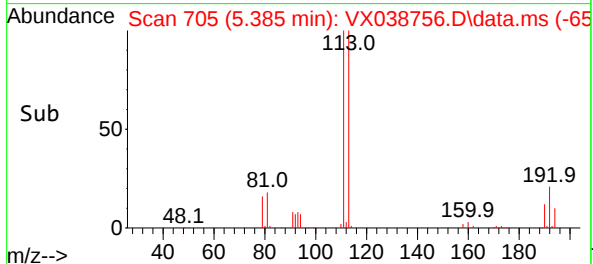
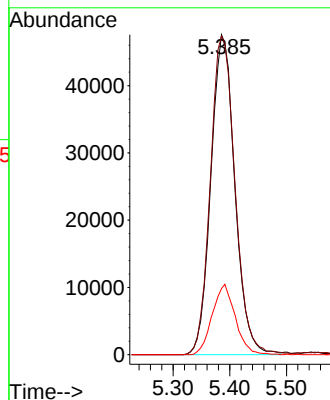
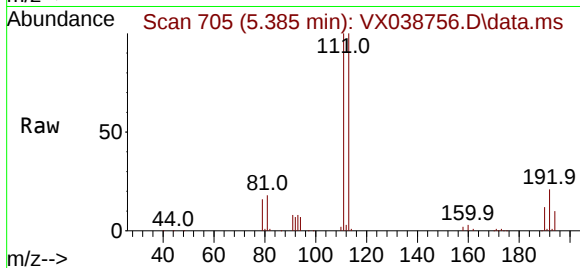
Tgt Ion:113 Resp: 139578

Ion Ratio Lower Upper

113 100

111 102.7 82.9 124.3

192 21.2 13.3 19.9#



#44

Trichloroethene

Concen: 0.302 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX038756.D

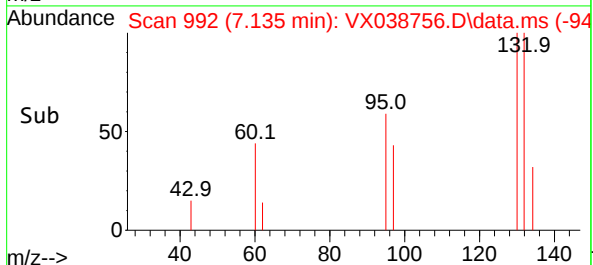
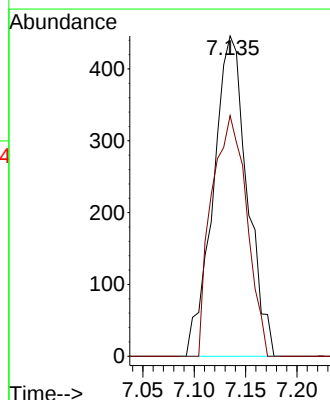
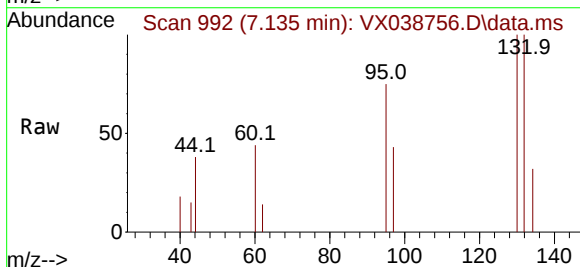
Acq: 11 Nov 2023 04:00

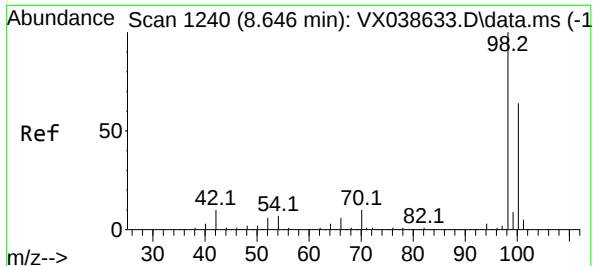
Tgt Ion:130 Resp: 1027

Ion Ratio Lower Upper

130 100

95 75.1 0.0 204.4

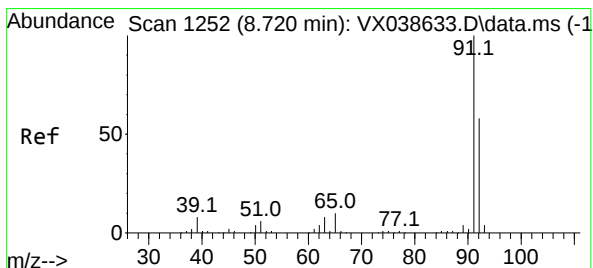
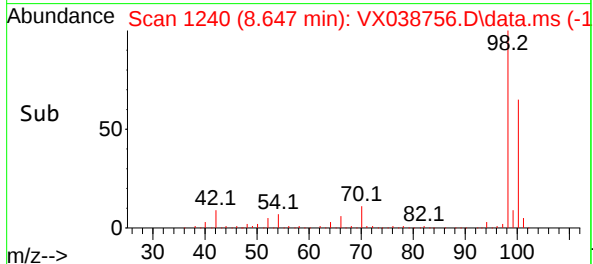
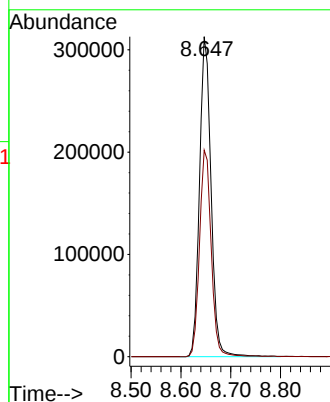
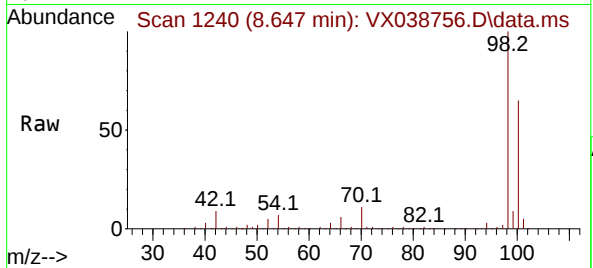




#50  
Toluene-d8  
Concen: 45.916 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX038756.D  
Acq: 11 Nov 2023 04:00

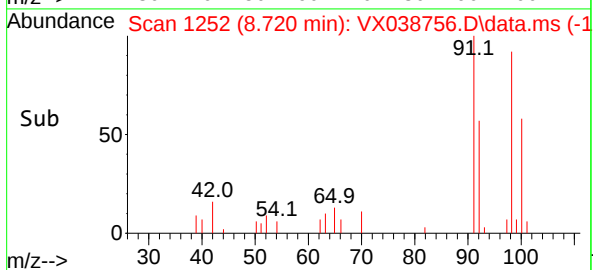
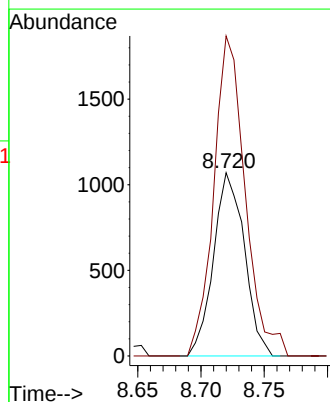
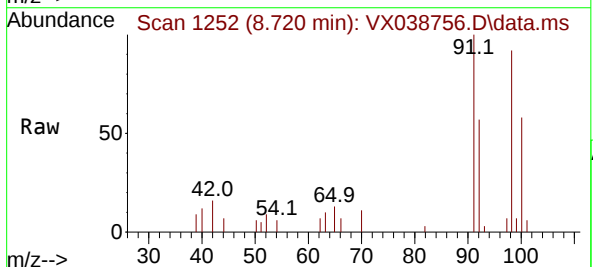
Instrument :  
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TT158S1-20231107

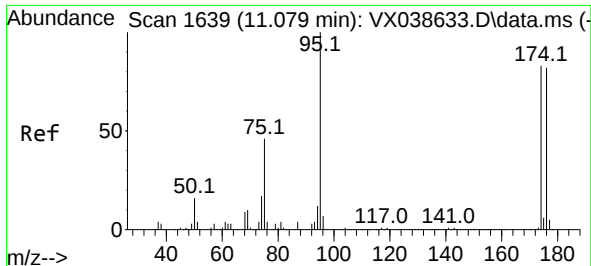
Tgt Ion: 98 Resp: 502181  
Ion Ratio Lower Upper  
98 100  
100 65.5 53.1 79.7



#52  
Toluene  
Concen: 0.254 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. 0.000 min  
Lab File: VX038756.D  
Acq: 11 Nov 2023 04:00

Tgt Ion: 92 Resp: 1817  
Ion Ratio Lower Upper  
92 100  
91 177.4 134.2 201.2





#62

4-Bromofluorobenzene

Concen: 50.996 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038756.D

Acq: 11 Nov 2023 04:00

Instrument :

MSVOA\_X

ClientSampleId :

TT158S1-20231107

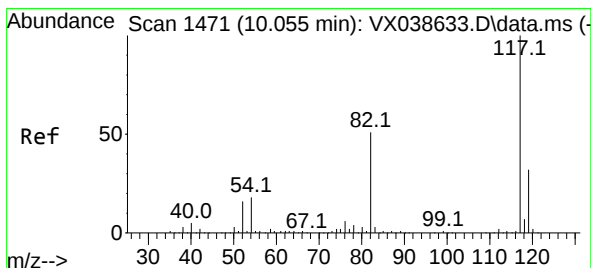
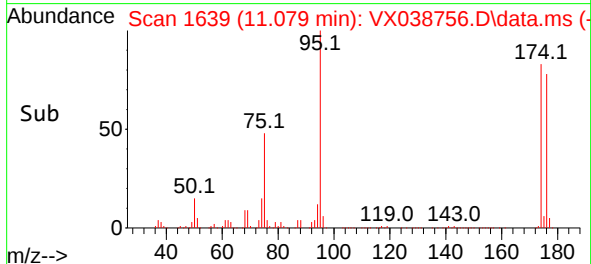
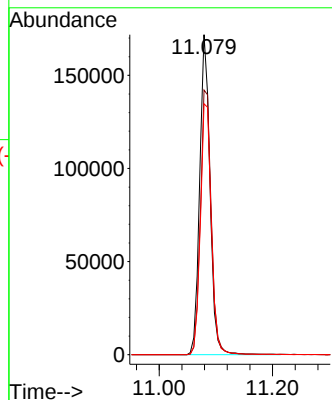
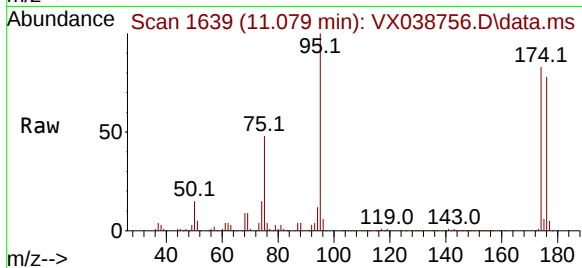
Tgt Ion: 95 Resp: 216243

Ion Ratio Lower Upper

95 100

174 87.8 0.0 135.6

176 83.5 0.0 131.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX038756.D

Acq: 11 Nov 2023 04:00

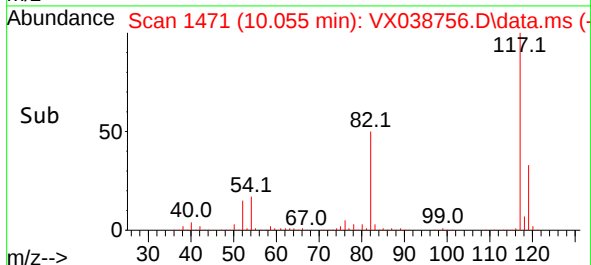
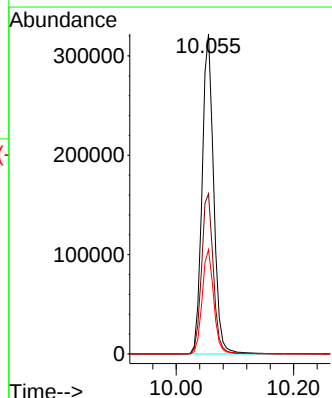
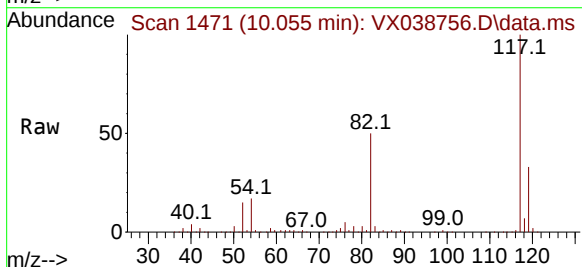
Tgt Ion: 117 Resp: 441220

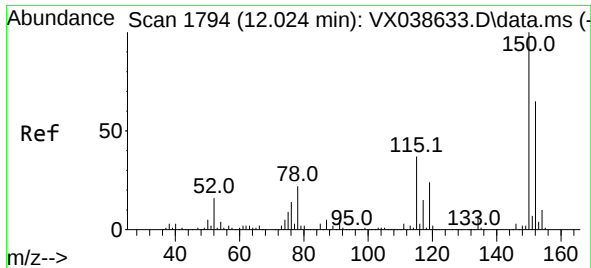
Ion Ratio Lower Upper

117 100

82 50.0 46.2 69.4

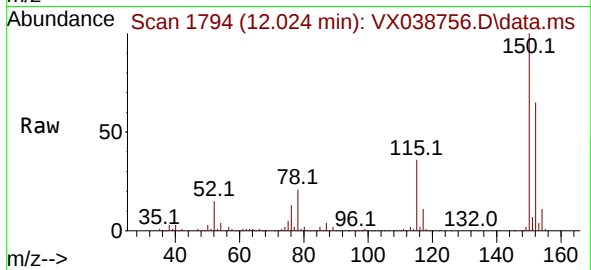
119 32.6 25.5 38.3





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX038756.D  
 Acq: 11 Nov 2023 04:00

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT158S1-20231107



Tgt Ion:152 Resp: 256392  
 Ion Ratio Lower Upper  
 152 100  
 115 57.4 43.3 129.9  
 150 155.9 0.0 345.0

