

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082323\  
 Data File : VX037183.D  
 Acq On : 23 Aug 2023 15:05  
 Operator : JC/MD  
 Sample : 04025-11RE  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT158S1-20230815RE

Quant Time: Aug 24 05:33:01 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 18 09:30:38 2023  
 Response via : Initial Calibration

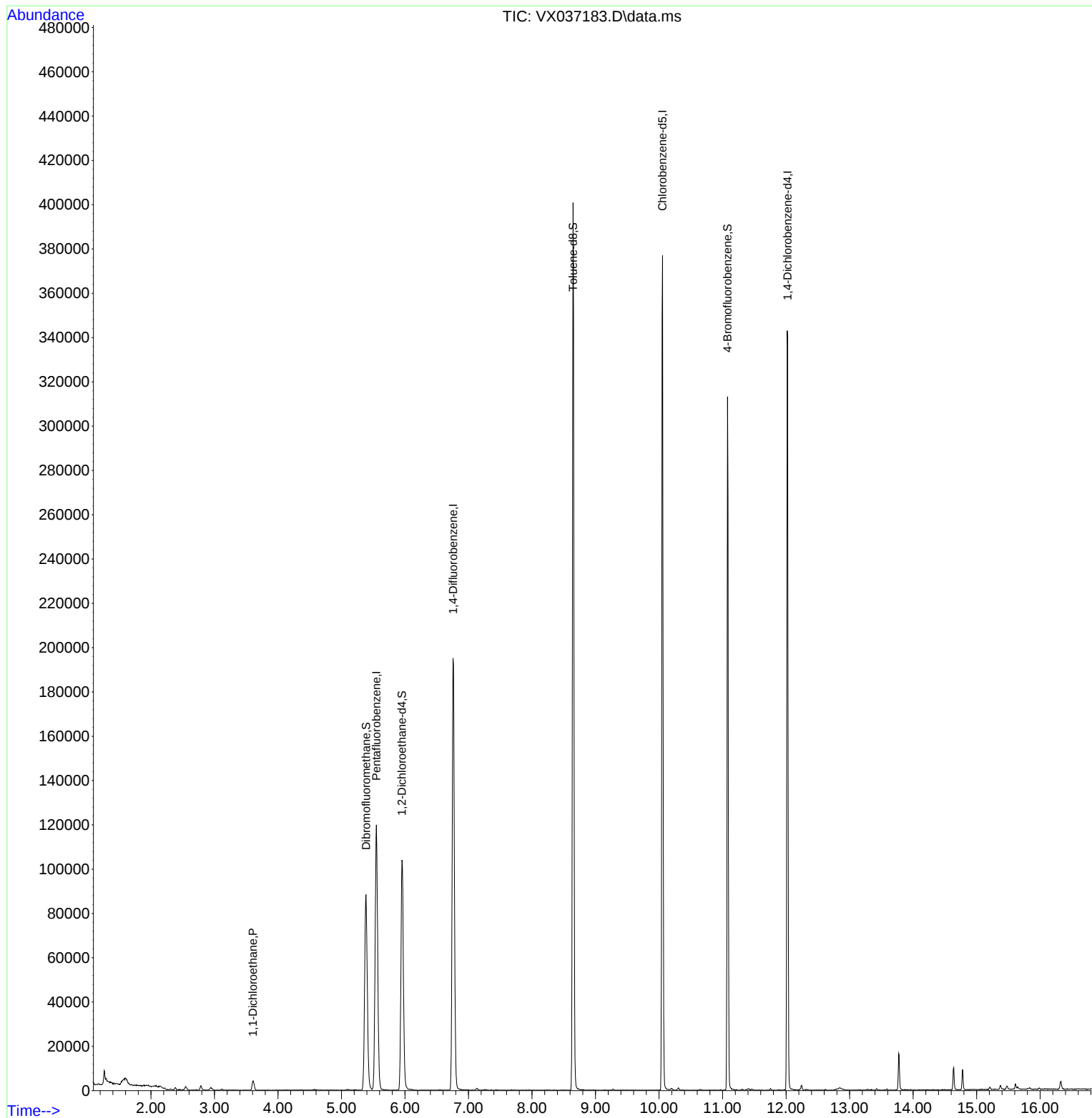
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 5.550  | 168   | 108812   | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.757  | 114   | 208047   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 175920   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 73942    | 50.000   | ug/l  | 0.00      |
|                             |        |       |          |          |       |           |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 105241   | 67.087   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =     | 134.180%# |
| 35) Dibromofluoromethane    | 5.385  | 113   | 78324    | 56.845   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 113.700%  |
| 50) Toluene-d8              | 8.647  | 98    | 238688   | 47.757   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =     | 95.520%   |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 85861    | 43.714   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =     | 87.420%   |
|                             |        |       |          |          |       |           |
| Target Compounds            |        |       |          |          |       | Qvalue    |
| 24) 1,1-Dichloroethane      | 3.605  | 63    | 5090     | 2.281    | ug/l  | 98        |
| -----                       |        |       |          |          |       |           |

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 18 09:30:38 2023  
Response via : Initial Calibration





#1  
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX037183.D

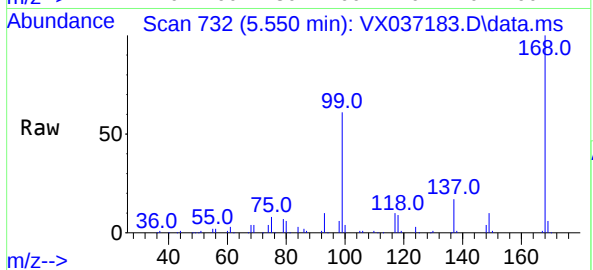
Acq: 23 Aug 2023 15:05

Instrument :

MSVOA\_X

ClientSampleId :

TT158S1-20230815RE

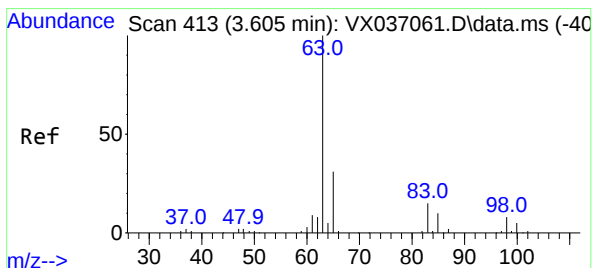
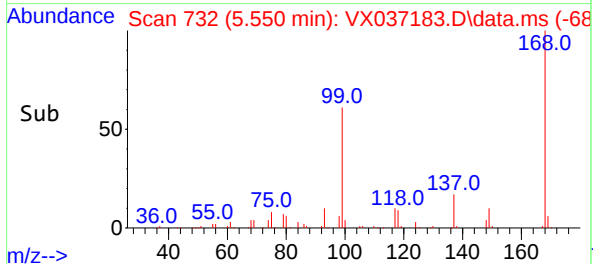
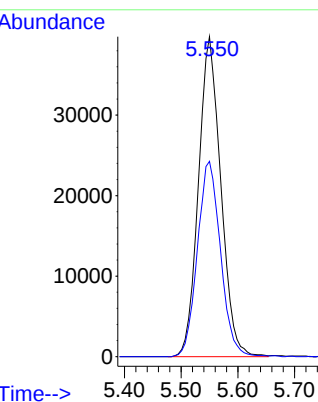


Tgt Ion:168 Resp: 108812

Ion Ratio Lower Upper

168 100

99 61.1 56.6 85.0



#24

1,1-Dichloroethane

Concen: 2.281 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX037183.D

Acq: 23 Aug 2023 15:05

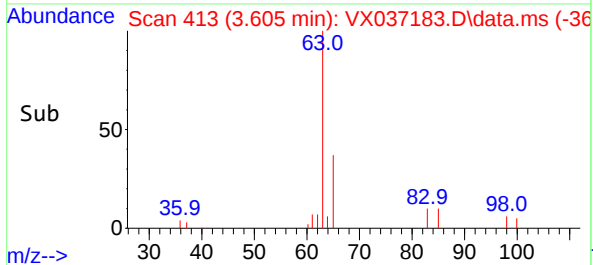
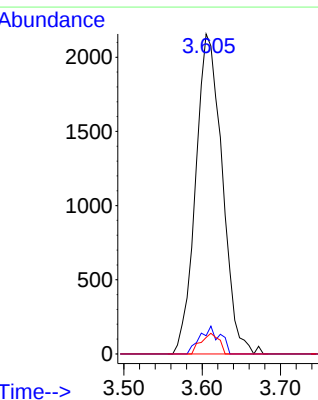
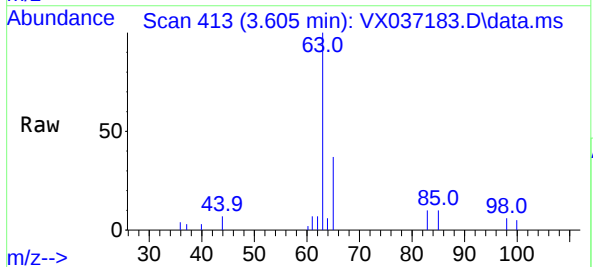
Tgt Ion: 63 Resp: 5090

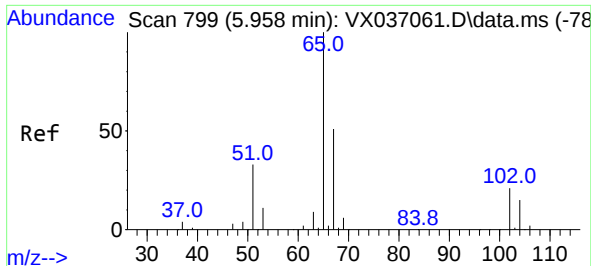
Ion Ratio Lower Upper

63 100

98 5.7 3.3 9.8

100 5.1 2.1 6.5





#33

1,2-Dichloroethane-d4

Concen: 67.087 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037183.D

Acq: 23 Aug 2023 15:05

Instrument :

MSVOA\_X

ClientSampleId :

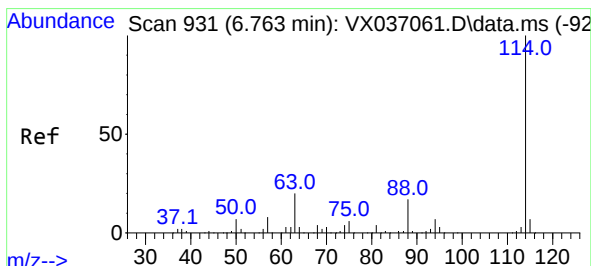
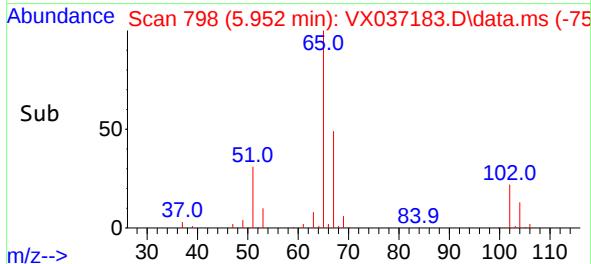
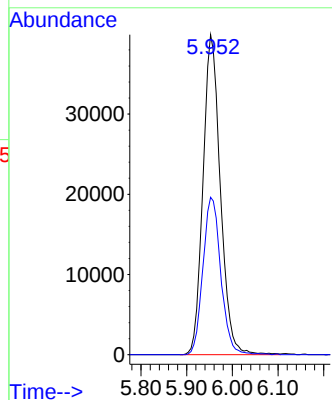
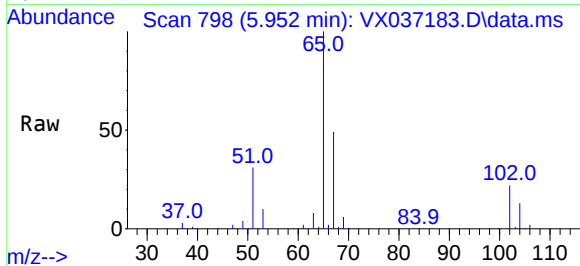
TT158S1-20230815RE

Tgt Ion: 65 Resp: 105241

Ion Ratio Lower Upper

65 100

67 50.6 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX037183.D

Acq: 23 Aug 2023 15:05

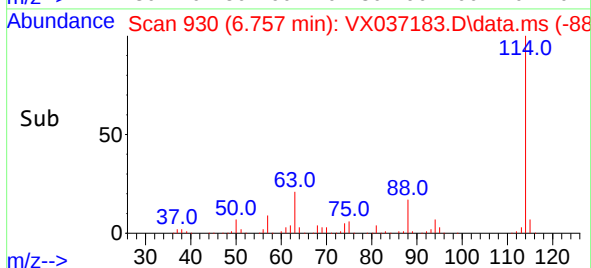
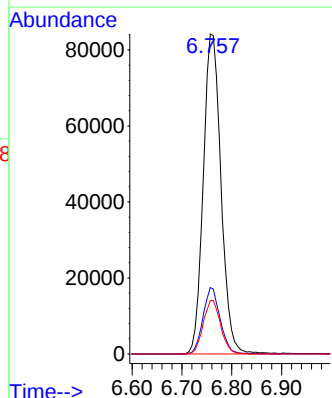
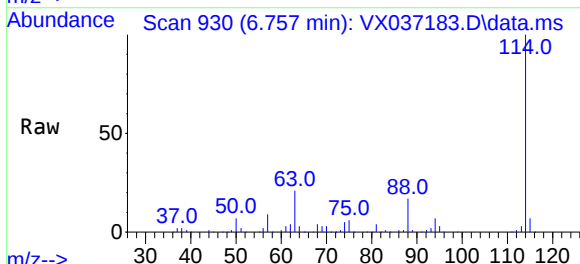
Tgt Ion: 114 Resp: 208047

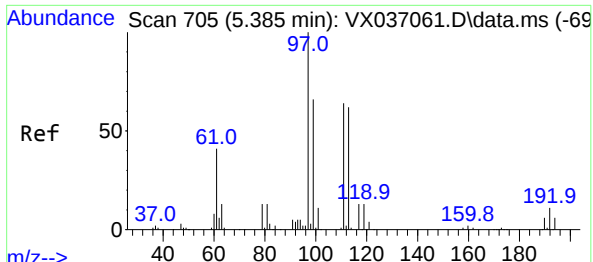
Ion Ratio Lower Upper

114 100

63 20.8 0.0 45.0

88 16.6 0.0 36.6



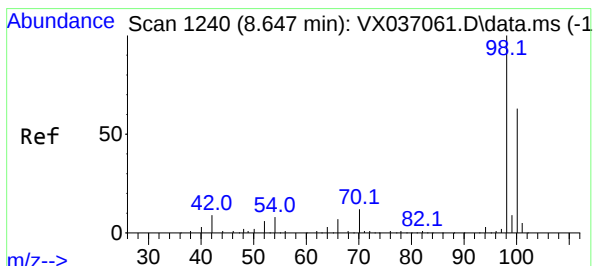
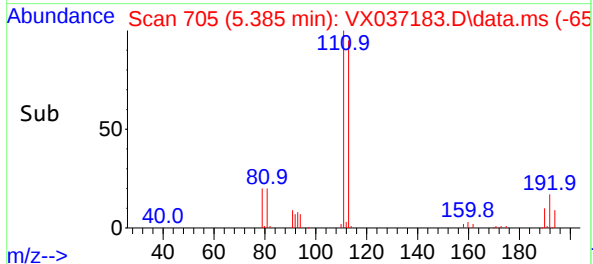
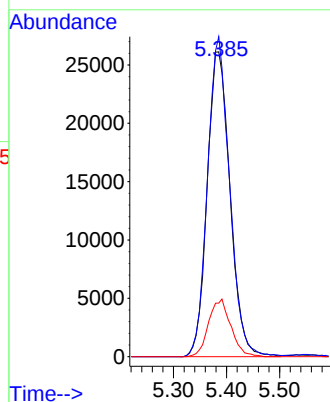
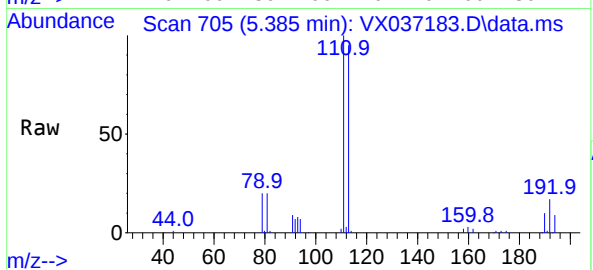


#35  
 Dibromofluoromethane  
 Concen: 56.845 ug/l  
 RT: 5.385 min Scan# 705  
 Delta R.T. 0.000 min  
 Lab File: VX037183.D  
 Acq: 23 Aug 2023 15:05

Instrument :  
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 TT158S1-20230815RE

Tgt Ion:113 Resp: 78324

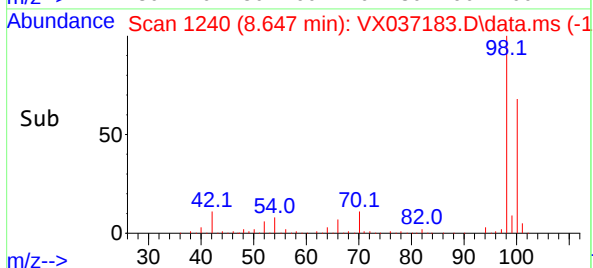
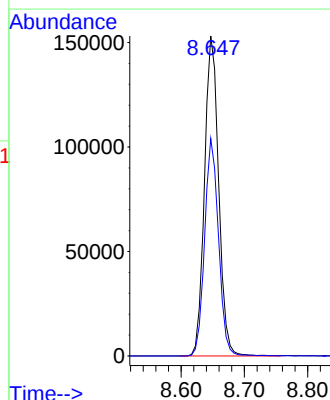
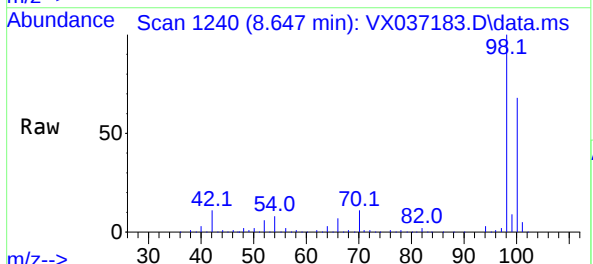
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 101.5 | 82.9  | 124.3 |
| 192 | 18.3  | 13.3  | 19.9  |

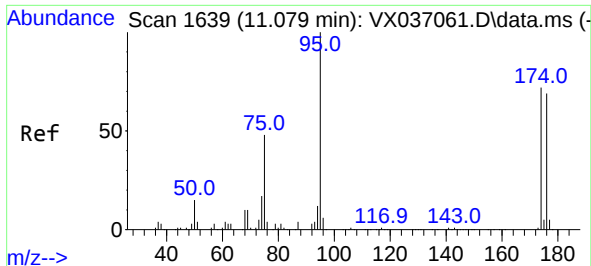


#50  
 Toluene-d8  
 Concen: 47.757 ug/l  
 RT: 8.647 min Scan# 1240  
 Delta R.T. 0.000 min  
 Lab File: VX037183.D  
 Acq: 23 Aug 2023 15:05

Tgt Ion: 98 Resp: 238688

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 66.6  | 53.1  | 79.7  |

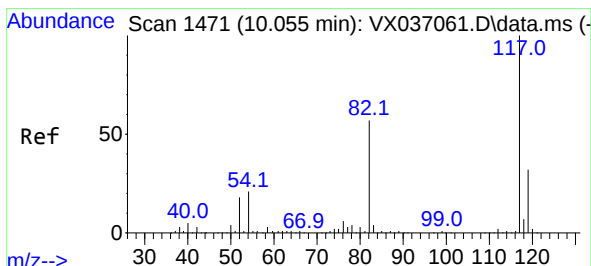
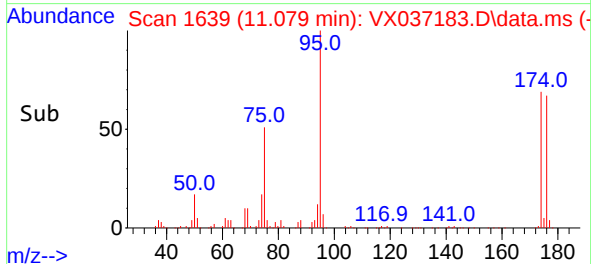
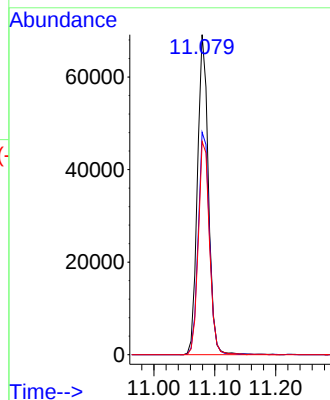
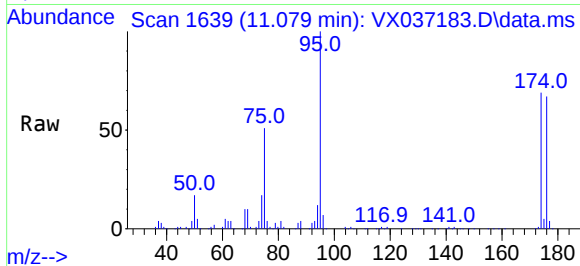




#62  
4-Bromofluorobenzene  
Concen: 43.714 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX037183.D  
Acq: 23 Aug 2023 15:05

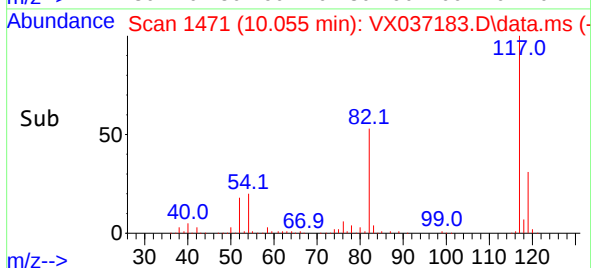
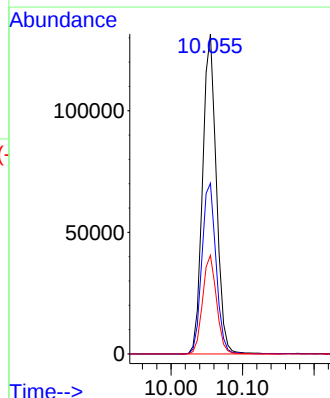
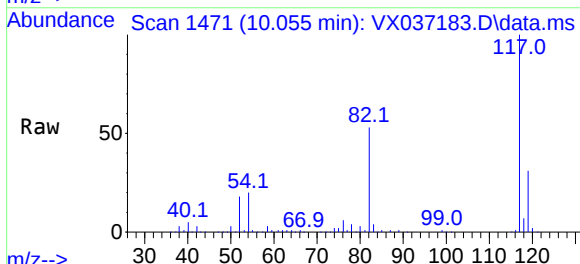
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT158S1-20230815RE

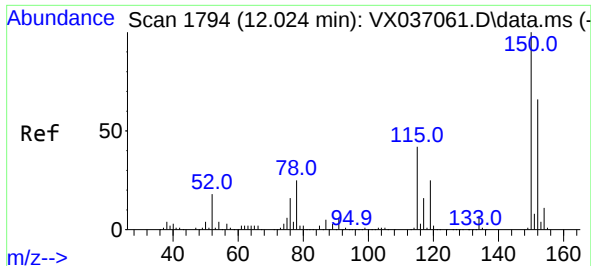
Tgt Ion: 95 Resp: 85861  
Ion Ratio Lower Upper  
95 100  
174 71.6 0.0 135.6  
176 68.1 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX037183.D  
Acq: 23 Aug 2023 15:05

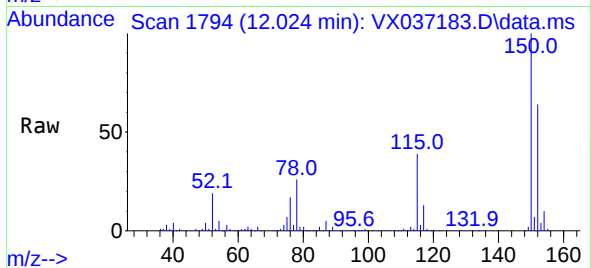
Tgt Ion: 117 Resp: 175920  
Ion Ratio Lower Upper  
117 100  
82 53.4 46.2 69.4  
119 30.8 25.5 38.3





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX037183.D  
Acq: 23 Aug 2023 15:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
TT158S1-20230815RE



Tgt Ion:152 Resp: 73942  
Ion Ratio Lower Upper  
152 100  
115 63.1 43.3 129.9  
150 154.9 0.0 345.0

