

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX083022\  
 Data File : VX030958.D  
 Acq On : 30 Aug 2022 22:52  
 Operator : JC/MD  
 Sample : N4281-13  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT205S1-20220819

Quant Time: Aug 31 03:18:19 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X083022W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 30 14:24:53 2022  
 Response via : Initial Calibration

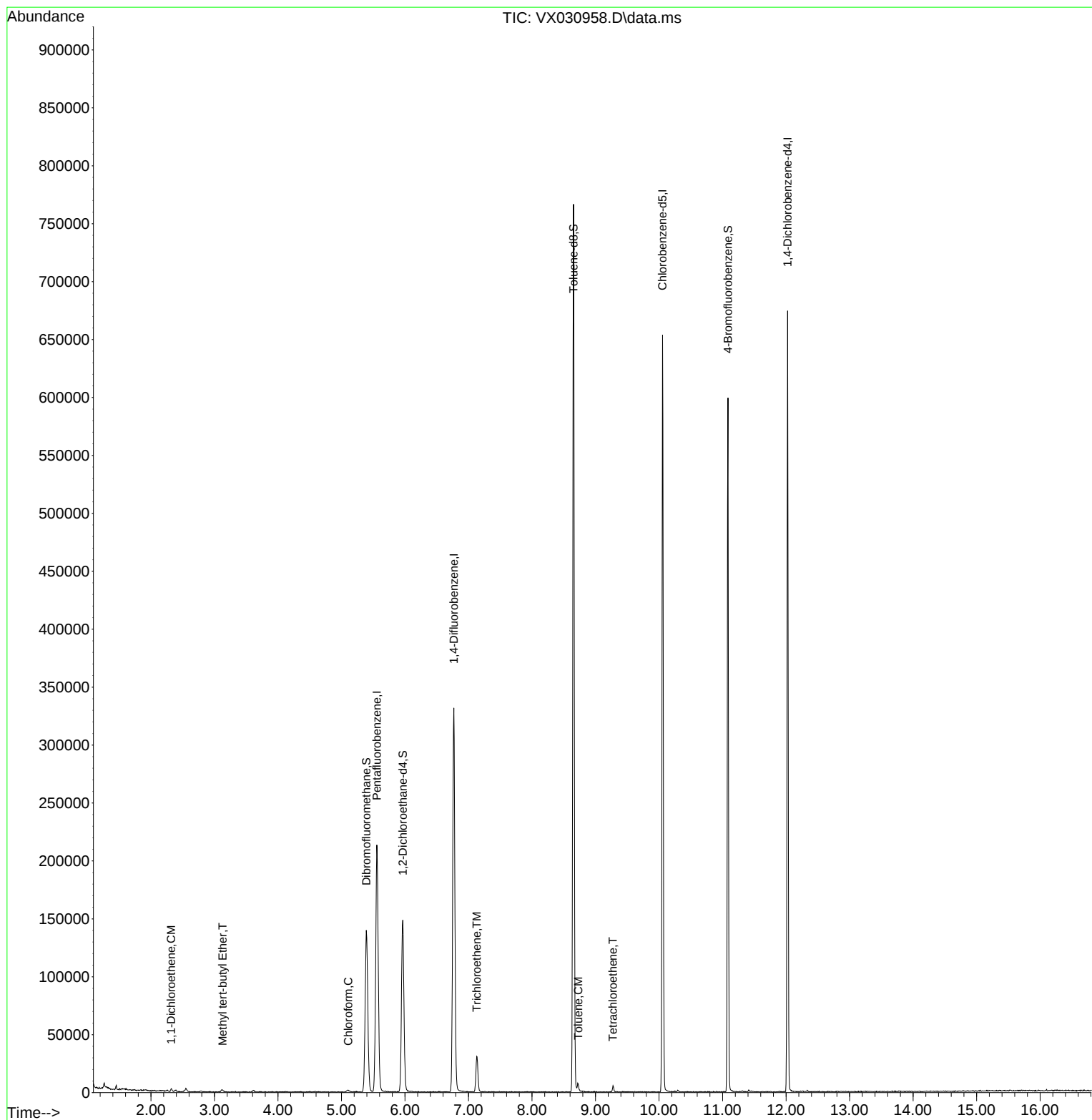
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.556  | 168   | 199980   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.769  | 114   | 353265   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 302060   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 138929   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.964  | 65    | 142327   | 49.621   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 99.240%  |
| 35) Dibromofluoromethane    | 5.391  | 113   | 125717   | 48.277   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 96.560%  |
| 50) Toluene-d8              | 8.653  | 98    | 470786   | 48.817   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 97.640%  |
| 62) 4-Bromofluorobenzene    | 11.085 | 95    | 158300   | 46.095   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 92.180%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 12) 1,1-Dichloroethene      | 2.319  | 96    | 587      | 0.242    | ug/l # | 59       |
| 19) Methyl tert-butyl Ether | 3.129  | 73    | 2173     | 0.275    | ug/l   | 92       |
| 30) Chloroform              | 5.105  | 83    | 2108     | 0.427    | ug/l   | 91       |
| 44) Trichloroethene         | 7.129  | 130   | 11924    | 3.628    | ug/l   | 79       |
| 52) Toluene                 | 8.726  | 92    | 2381     | 0.349    | ug/l   | 92       |
| 64) Tetrachloroethene       | 9.275  | 164   | 935      | 0.327    | ug/l # | 89       |
| -----                       |        |       |          |          |        |          |

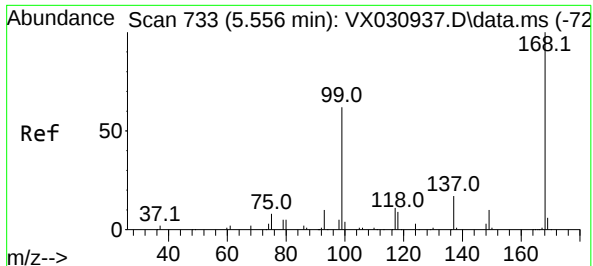
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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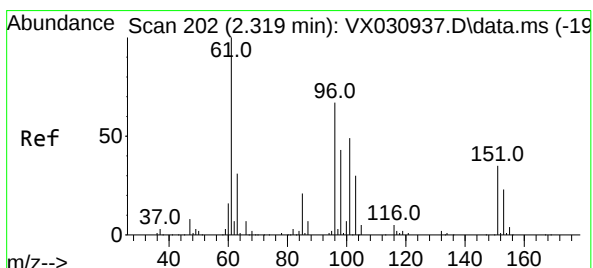
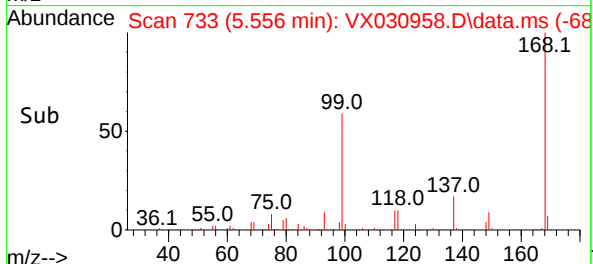
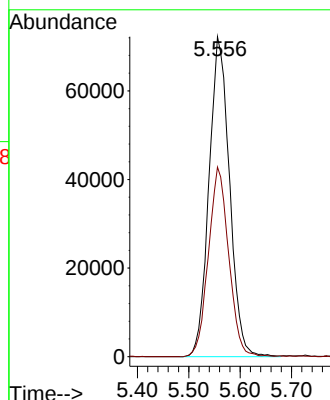
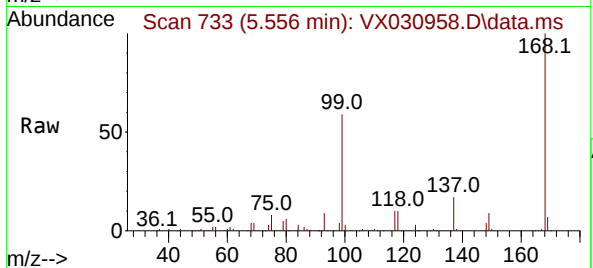




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX030958.D  
Acq: 30 Aug 2022 22:52

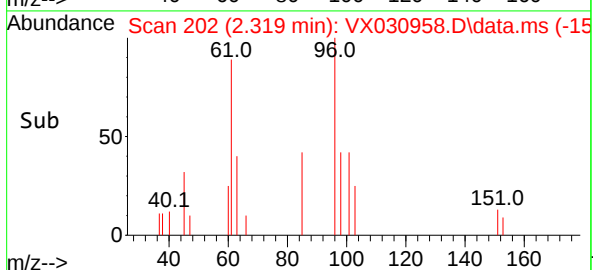
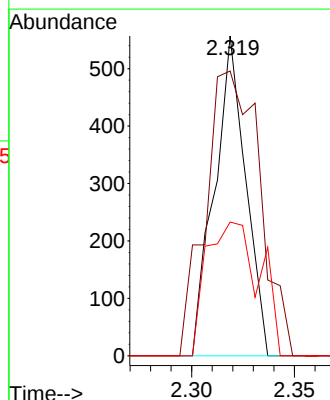
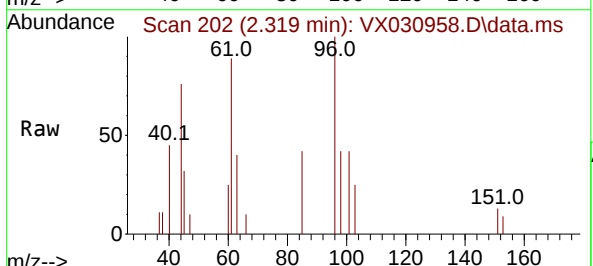
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT205S1-20220819

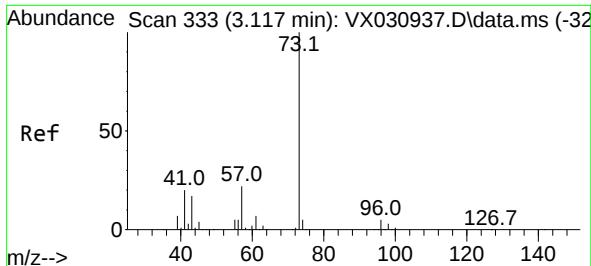
Tgt Ion:168 Resp: 199980  
Ion Ratio Lower Upper  
168 100  
99 59.2 44.0 66.0



#12  
1,1-Dichloroethene  
Concen: 0.242 ug/l  
RT: 2.319 min Scan# 202  
Delta R.T. -0.000 min  
Lab File: VX030958.D  
Acq: 30 Aug 2022 22:52

Tgt Ion: 96 Resp: 587  
Ion Ratio Lower Upper  
96 100  
61 89.0 117.4 176.0#  
98 41.8 52.2 78.4#





#19

Methyl tert-butyl Ether

Concen: 0.275 ug/l

RT: 3.129 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX030958.D

Acq: 30 Aug 2022 22:52

Instrument :

MSVOA\_X

ClientSampleId :

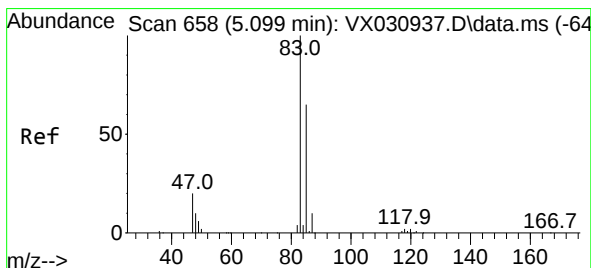
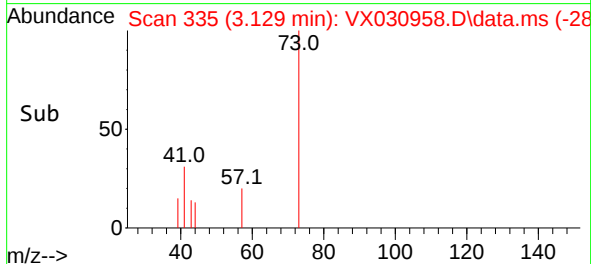
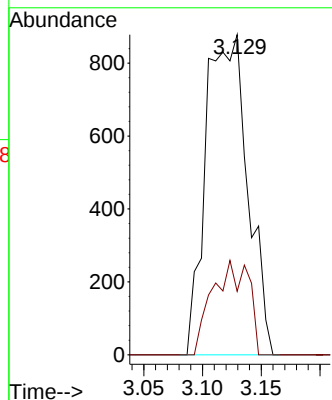
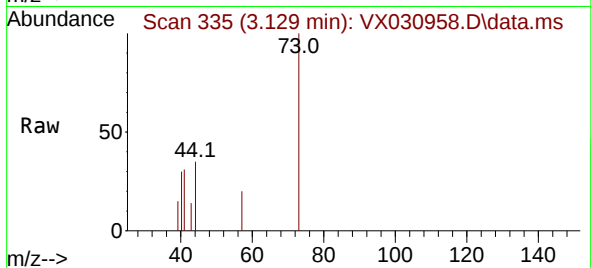
TT205S1-20220819

Tgt Ion: 73 Resp: 2173

Ion Ratio Lower Upper

73 100

57 19.8 19.0 28.6



#30

Chloroform

Concen: 0.427 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.006 min

Lab File: VX030958.D

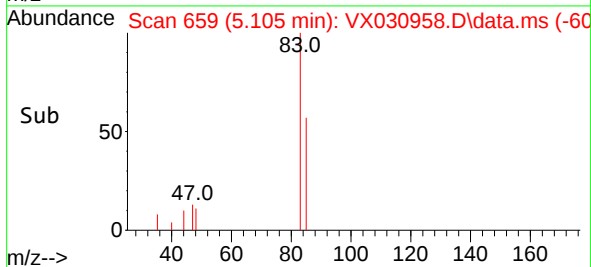
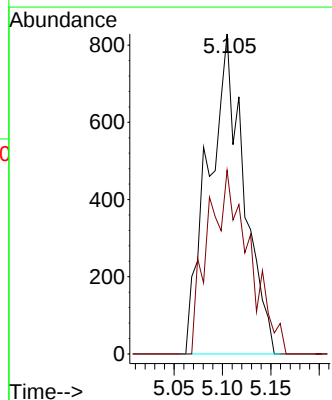
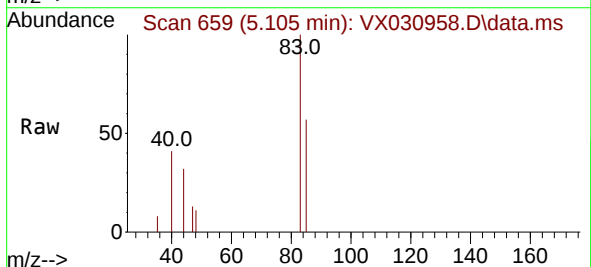
Acq: 30 Aug 2022 22:52

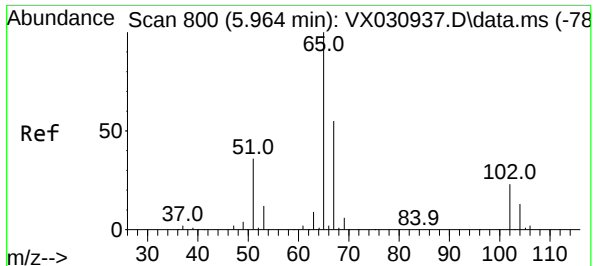
Tgt Ion: 83 Resp: 2108

Ion Ratio Lower Upper

83 100

85 57.4 51.5 77.3





#33

1,2-Dichloroethane-d4

Concen: 49.621 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX030958.D

Acq: 30 Aug 2022 22:52

Instrument :

MSVOA\_X

ClientSampleId :

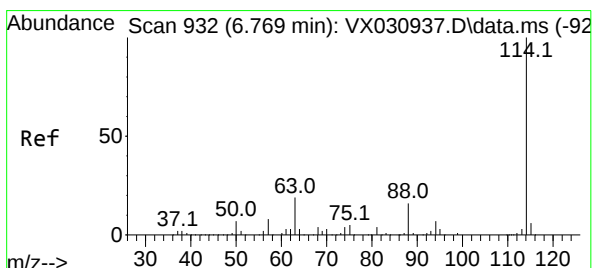
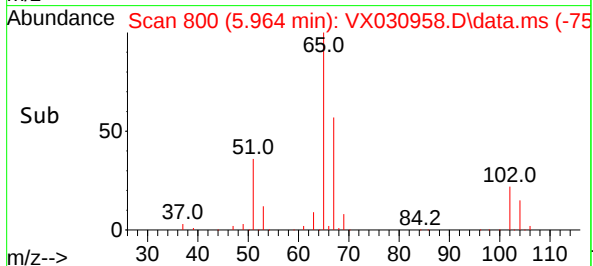
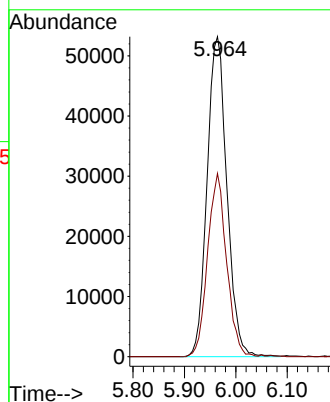
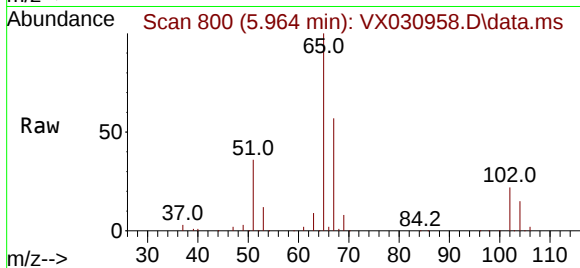
TT205S1-20220819

Tgt Ion: 65 Resp: 142327

Ion Ratio Lower Upper

65 100

67 54.8 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX030958.D

Acq: 30 Aug 2022 22:52

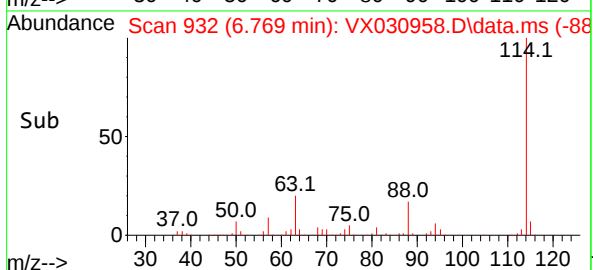
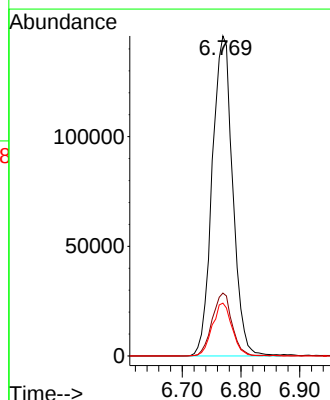
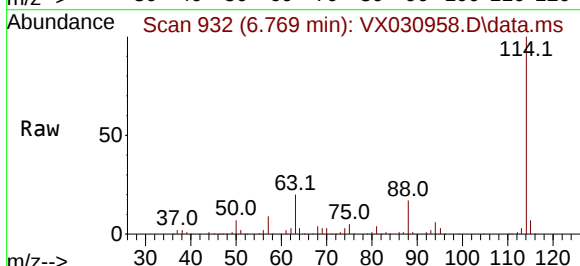
Tgt Ion: 114 Resp: 353265

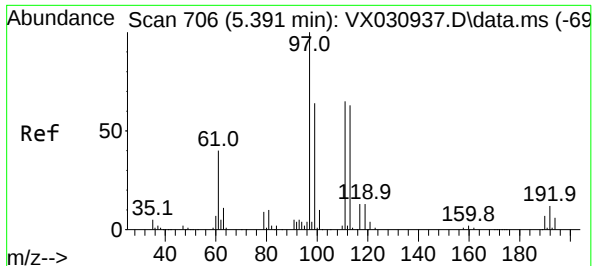
Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.4

88 16.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 48.277 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030958.D

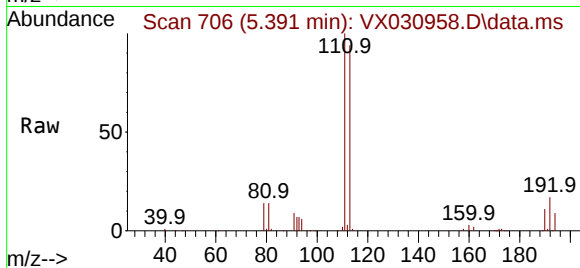
Acq: 30 Aug 2022 22:52

Instrument :

MSVOA\_X

ClientSampleId :

TT205S1-20220819



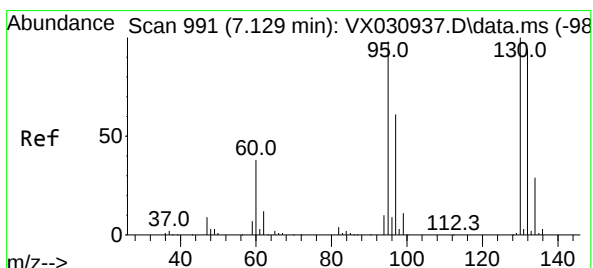
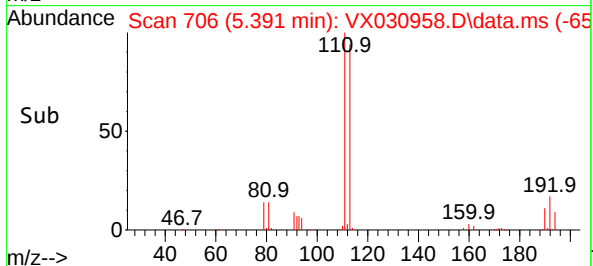
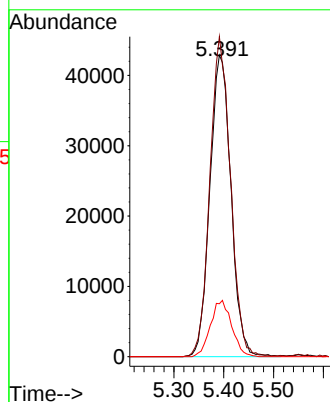
Tgt Ion:113 Resp: 125717

Ion Ratio Lower Upper

113 100

111 103.6 83.2 124.8

192 18.8 14.8 22.2



#44

Trichloroethene

Concen: 3.628 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX030958.D

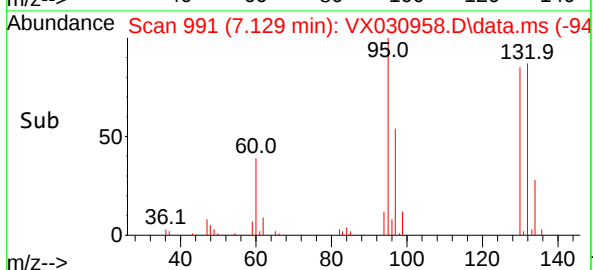
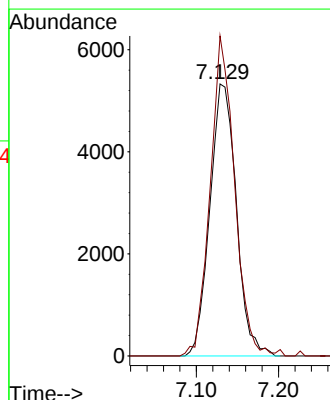
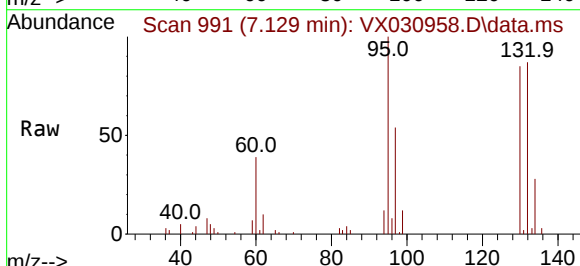
Acq: 30 Aug 2022 22:52

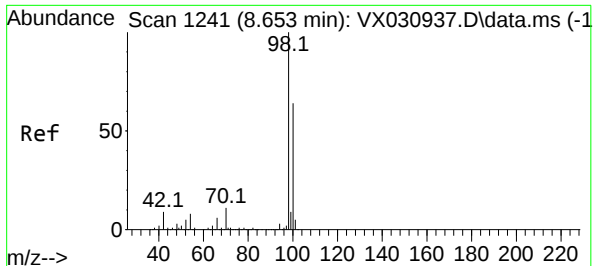
Tgt Ion:130 Resp: 11924

Ion Ratio Lower Upper

130 100

95 117.6 0.0 194.8

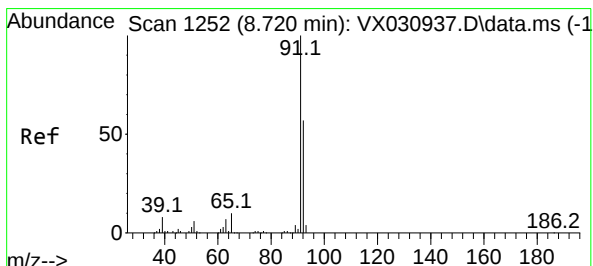
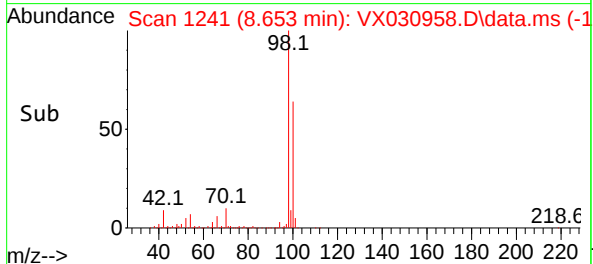
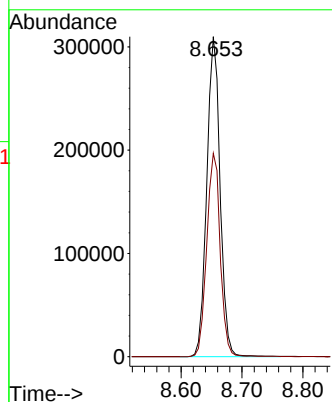
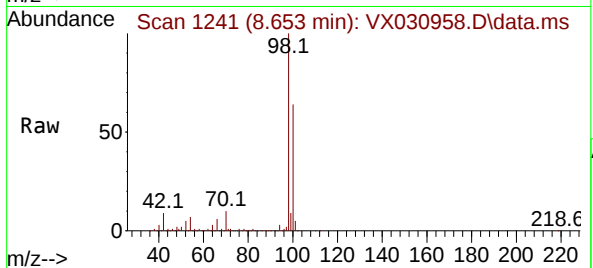




#50  
Toluene-d8  
Concen: 48.817 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX030958.D  
Acq: 30 Aug 2022 22:52

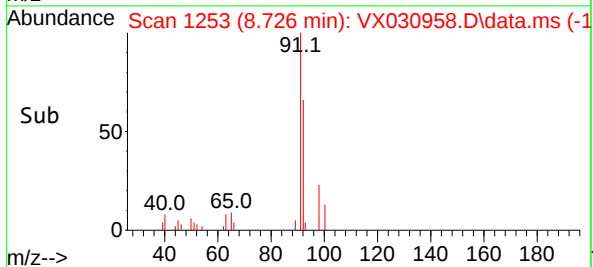
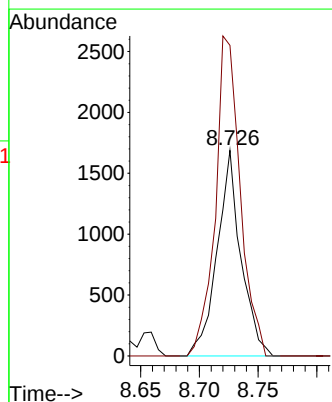
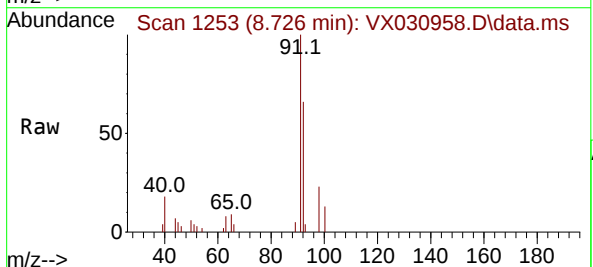
Instrument :  
MSVOA\_X  
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TT205S1-20220819

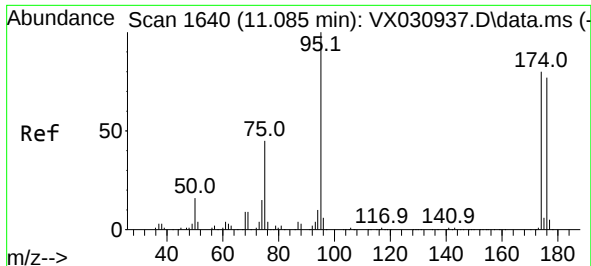
Tgt Ion: 98 Resp: 470786  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.3 78.5



#52  
Toluene  
Concen: 0.349 ug/l  
RT: 8.726 min Scan# 1253  
Delta R.T. 0.006 min  
Lab File: VX030958.D  
Acq: 30 Aug 2022 22:52

Tgt Ion: 92 Resp: 2381  
Ion Ratio Lower Upper  
92 100  
91 162.7 139.2 208.8





#62

4-Bromofluorobenzene

Concen: 46.095 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX030958.D

Acq: 30 Aug 2022 22:52

Instrument :

MSVOA\_X

ClientSampleId :

TT205S1-20220819

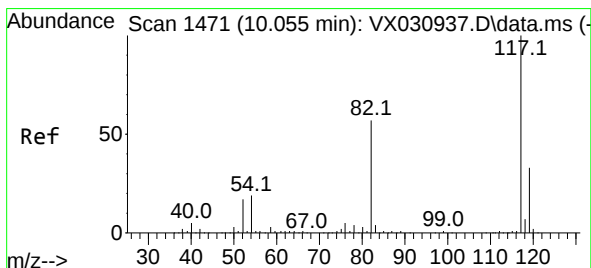
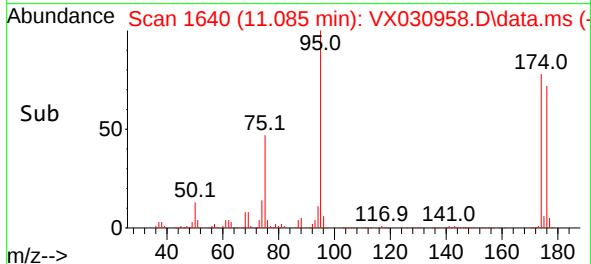
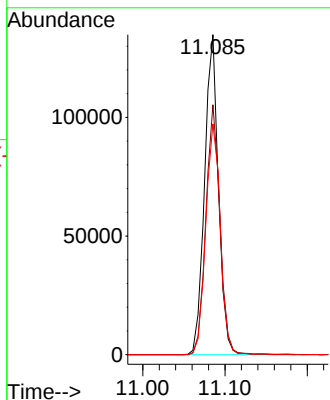
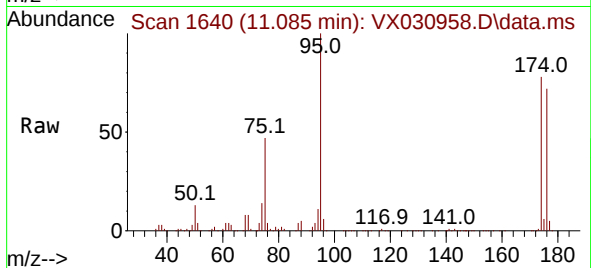
Tgt Ion: 95 Resp: 158300

Ion Ratio Lower Upper

95 100

174 79.3 0.0 149.0

176 75.5 0.0 146.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX030958.D

Acq: 30 Aug 2022 22:52

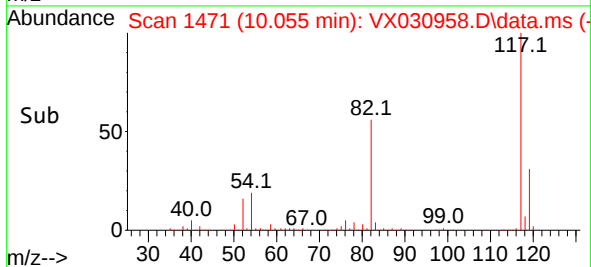
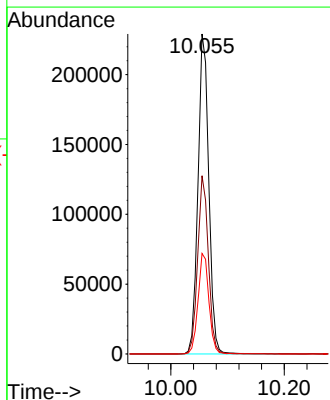
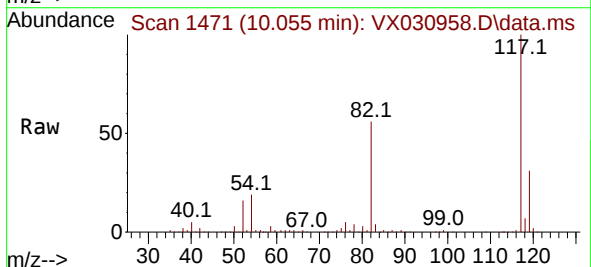
Tgt Ion: 117 Resp: 302060

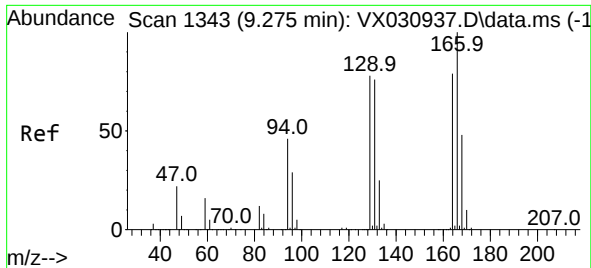
Ion Ratio Lower Upper

117 100

82 55.7 42.7 64.1

119 31.4 25.4 38.2



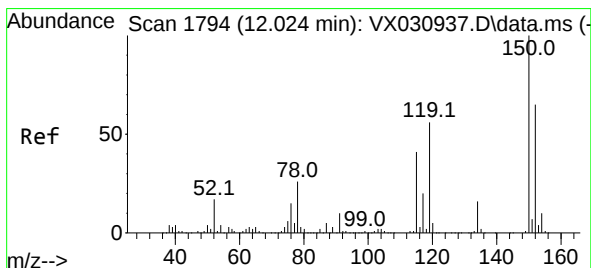
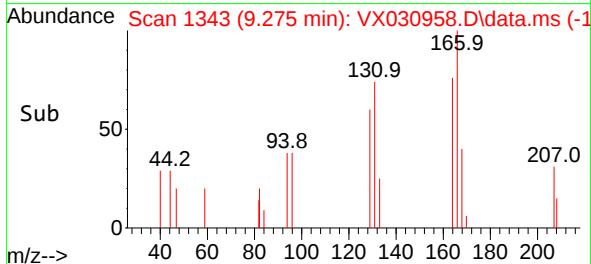
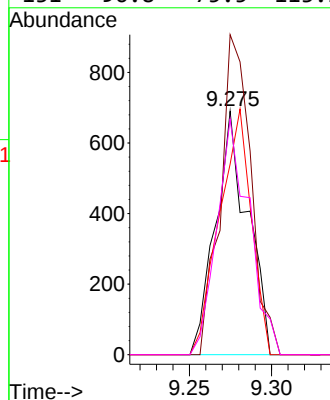
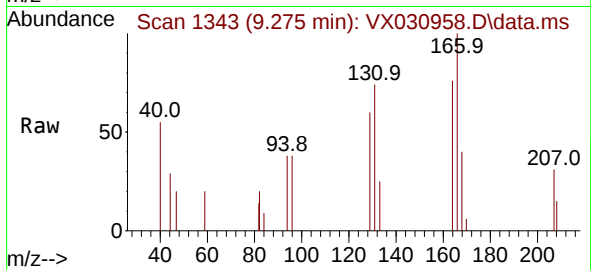


#64  
Tetrachloroethene  
Concen: 0.327 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX030958.D  
Acq: 30 Aug 2022 22:52

Instrument :  
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TT205S1-20220819

Tgt Ion:164 Resp: 935

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 164 | 100   |       |        |
| 166 | 131.4 | 98.2  | 147.4  |
| 129 | 78.3  | 80.8  | 121.2# |
| 131 | 96.8  | 75.5  | 113.3  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX030958.D  
Acq: 30 Aug 2022 22:52

Tgt Ion:152 Resp: 138929

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 59.2  | 40.5  | 121.5 |
| 150 | 158.6 | 0.0   | 347.0 |

