

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX083122\  
 Data File : VX030989.D  
 Acq On : 31 Aug 2022 19:28  
 Operator : JC/MD  
 Sample : N4381-06DL 25X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-36DL

Quant Time: Sep 01 00:58:46 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

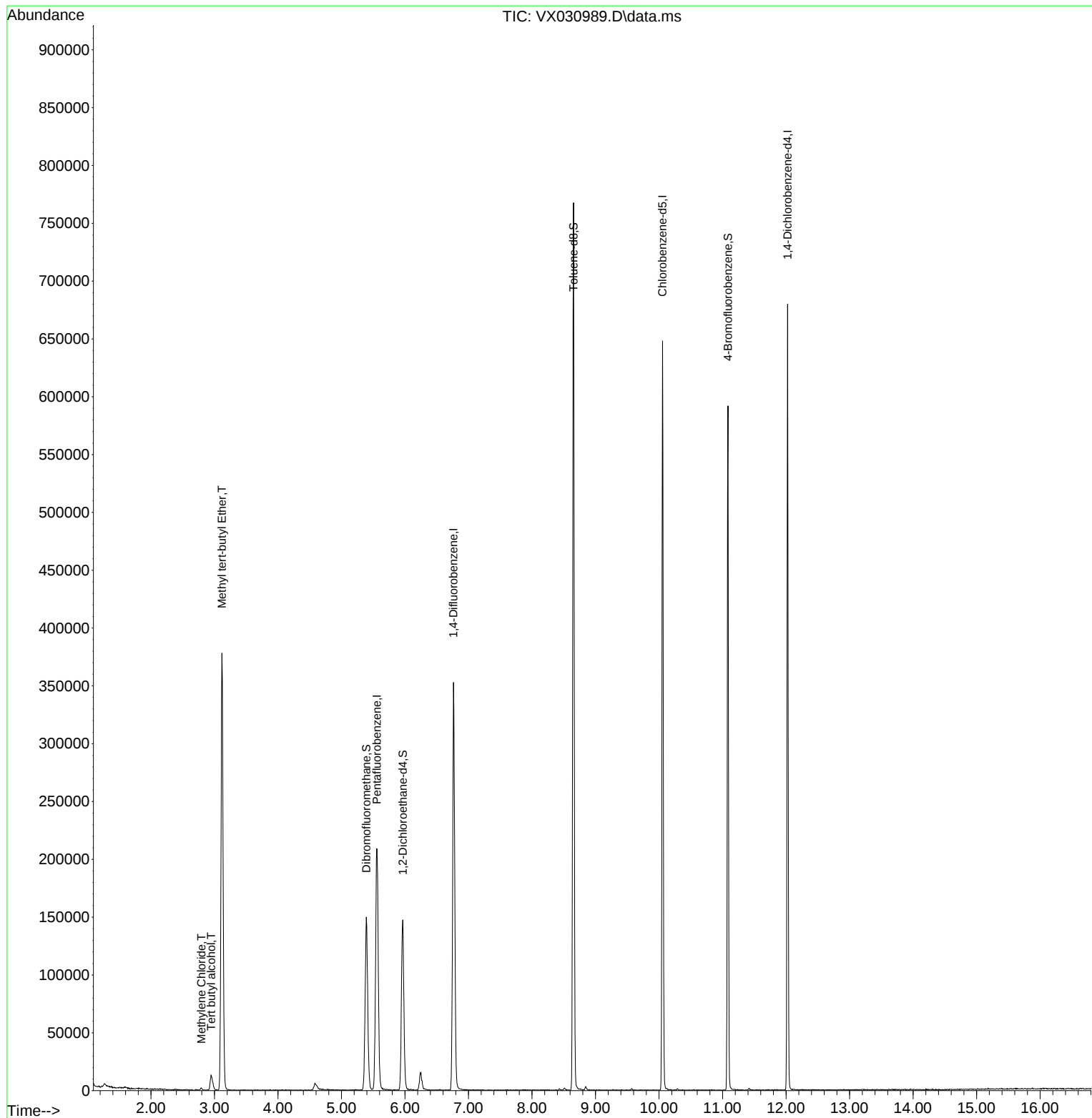
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.556  | 168   | 208497   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 361855   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 308262   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 141118   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.964  | 65    | 142141   | 47.532   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 95.060%  |
| 35) Dibromofluoromethane    | 5.391  | 113   | 130985   | 49.106   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 98.220%  |
| 50) Toluene-d8              | 8.653  | 98    | 476944   | 48.282   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 96.560%  |
| 62) 4-Bromofluorobenzene    | 11.085 | 95    | 161131   | 45.805   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 91.620%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol      | 2.946  | 59    | 10775    | 15.208   | ug/l # | 74       |
| 19) Methyl tert-butyl Ether | 3.117  | 73    | 437965   | 53.067   | ug/l   | 95       |
| 20) Methylene Chloride      | 2.794  | 84    | 907      | 0.296    | ug/l # | 70       |
| -----                       |        |       |          |          |        |          |

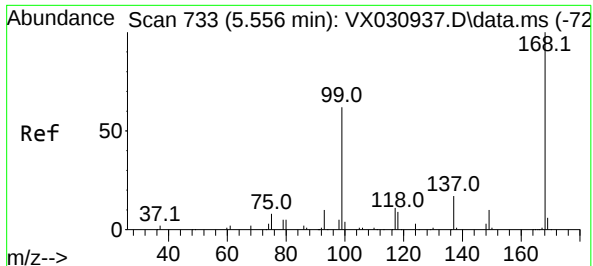
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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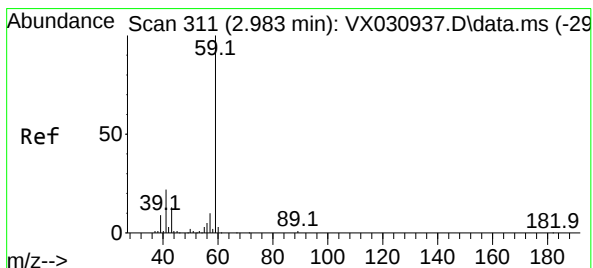
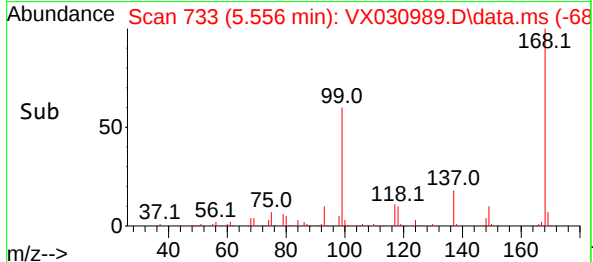
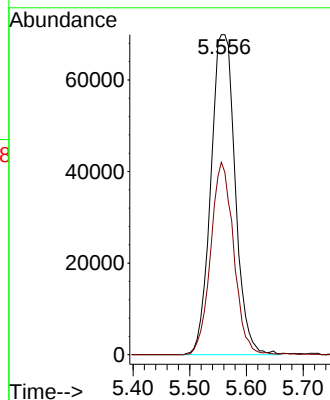
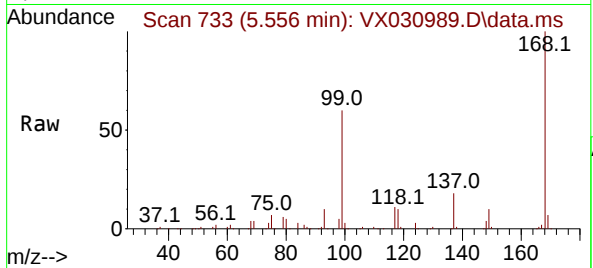




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX030989.D  
Acq: 31 Aug 2022 19:28

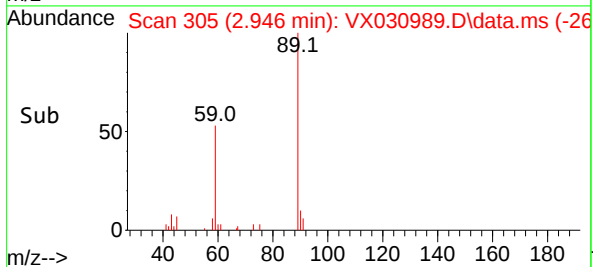
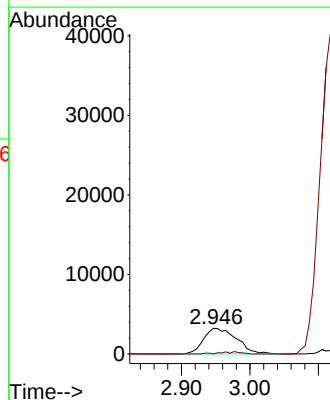
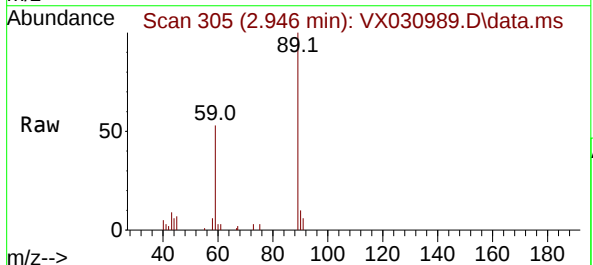
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-36DL

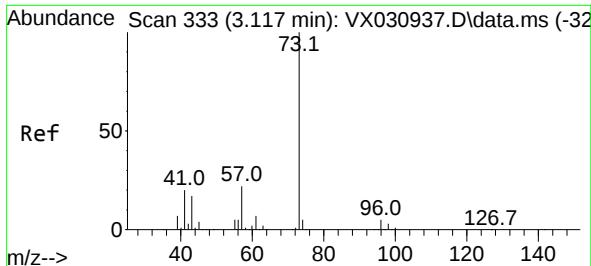
Tgt Ion:168 Resp: 208497  
Ion Ratio Lower Upper  
168 100  
99 60.1 44.0 66.0



#11  
Tert butyl alcohol  
Concen: 15.208 ug/l  
RT: 2.946 min Scan# 305  
Delta R.T. -0.043 min  
Lab File: VX030989.D  
Acq: 31 Aug 2022 19:28

Tgt Ion: 59 Resp: 10775  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#

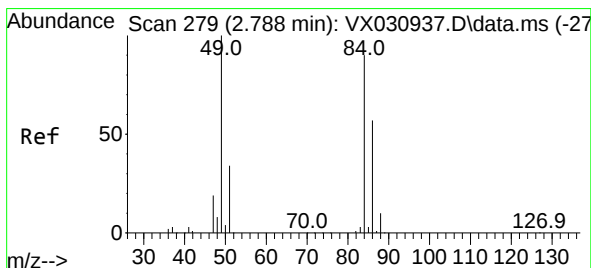
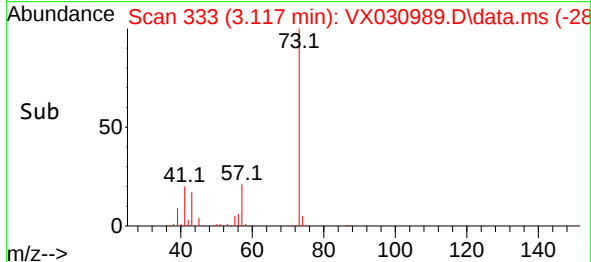
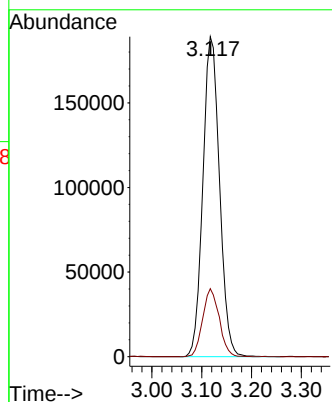
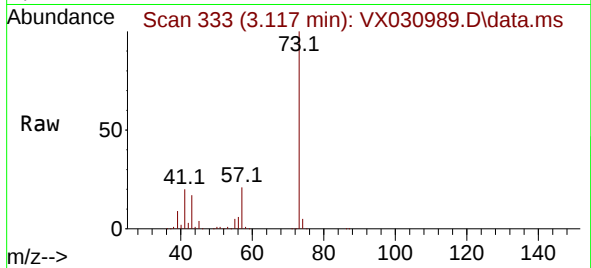




#19  
Methyl tert-butyl Ether  
Concen: 53.067 ug/l  
RT: 3.117 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX030989.D  
Acq: 31 Aug 2022 19:28

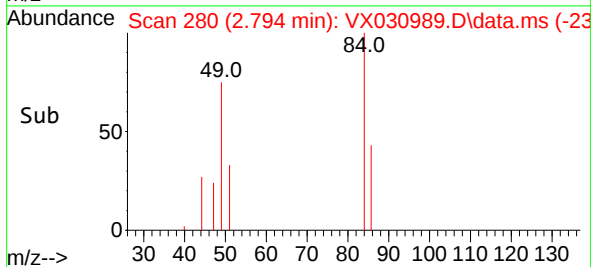
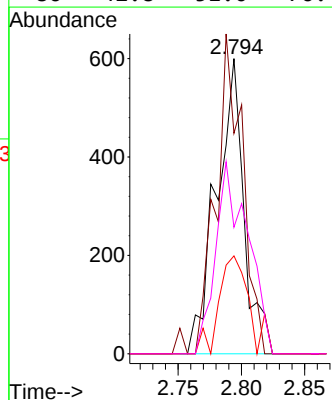
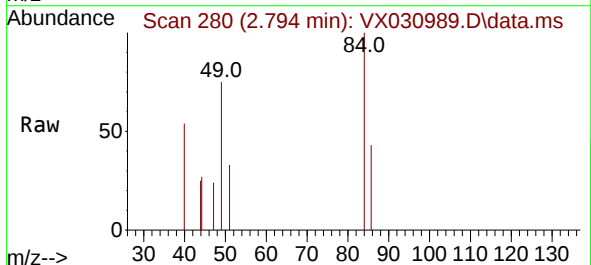
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-36DL

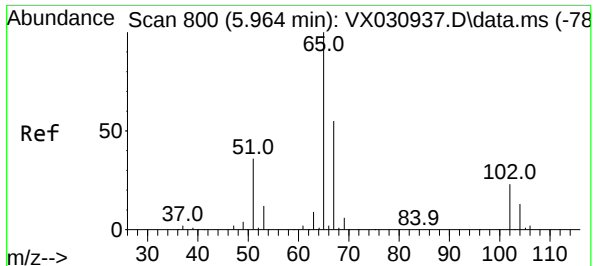
Tgt Ion: 73 Resp: 437965  
Ion Ratio Lower Upper  
73 100  
57 21.3 19.0 28.6



#20  
Methylene Chloride  
Concen: 0.296 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX030989.D  
Acq: 31 Aug 2022 19:28

Tgt Ion: 84 Resp: 907  
Ion Ratio Lower Upper  
84 100  
49 74.7 93.8 140.6#  
51 33.2 29.4 44.0  
86 42.8 51.0 76.4#





#33

1,2-Dichloroethane-d4

Concen: 47.532 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX030989.D

Acq: 31 Aug 2022 19:28

Instrument :

MSVOA\_X

ClientSampleId :

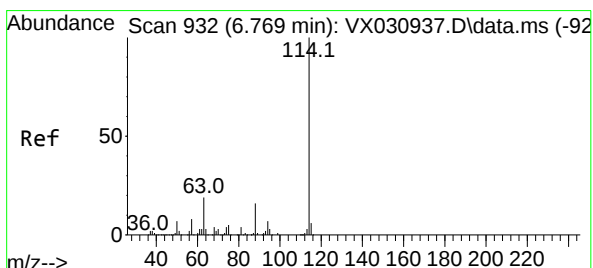
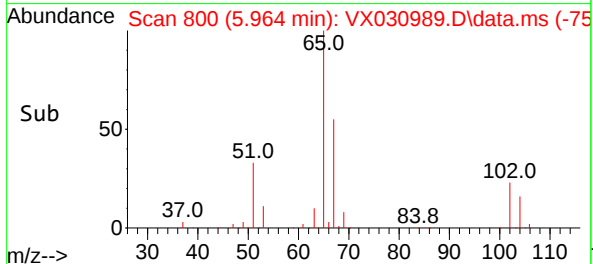
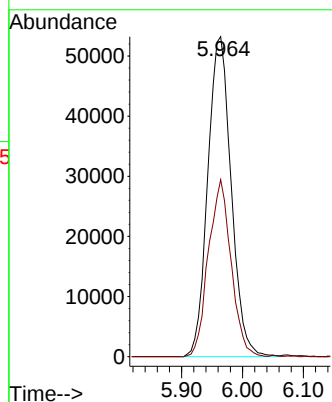
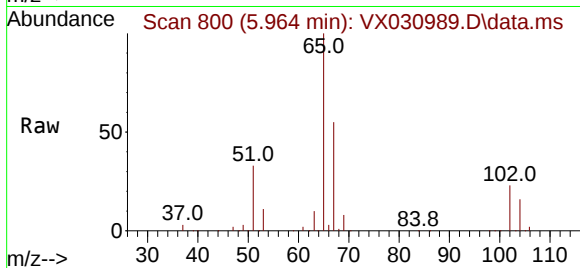
MW-36DL

Tgt Ion: 65 Resp: 142141

Ion Ratio Lower Upper

65 100

67 53.4 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX030989.D

Acq: 31 Aug 2022 19:28

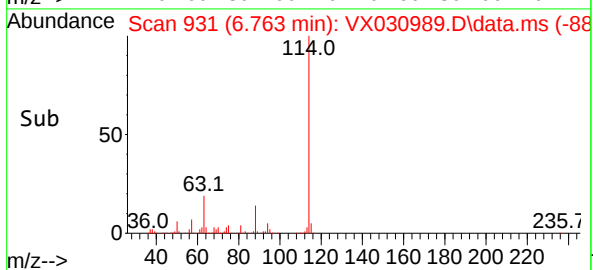
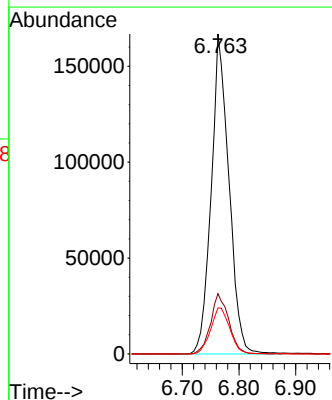
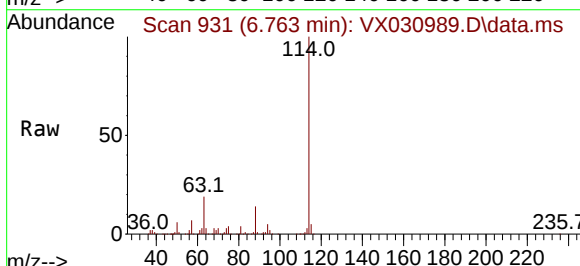
Tgt Ion: 114 Resp: 361855

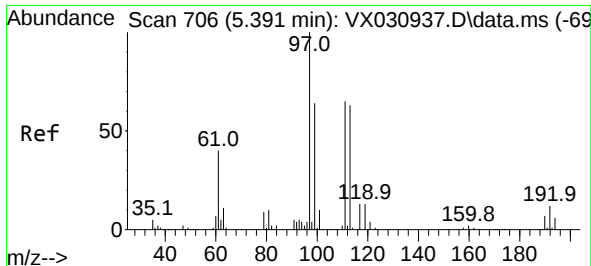
Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.4

88 14.4 0.0 31.8

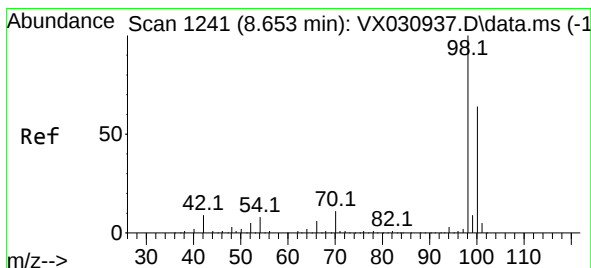
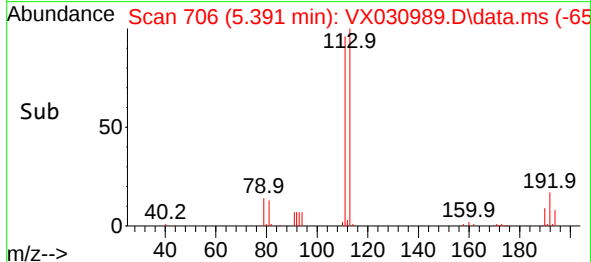
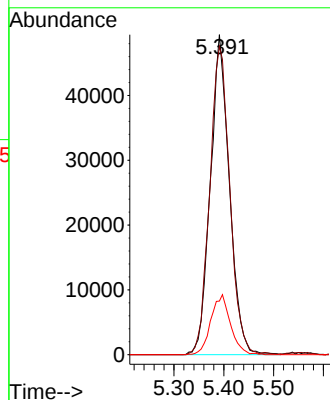
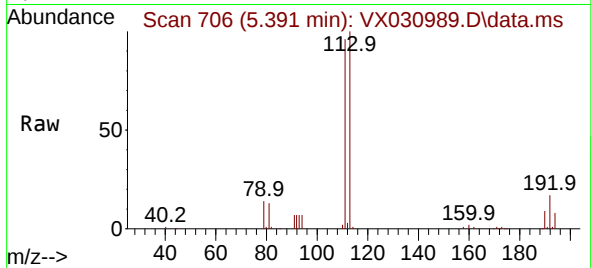




#35  
Dibromofluoromethane  
Concen: 49.106 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX030989.D  
Acq: 31 Aug 2022 19:28

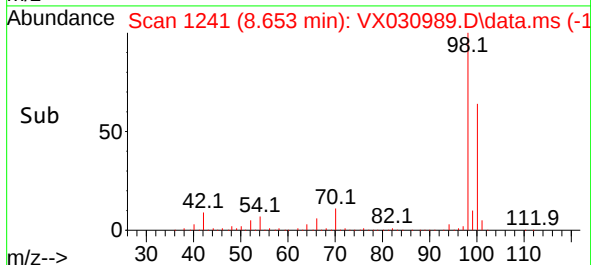
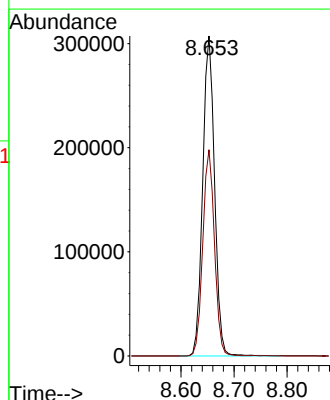
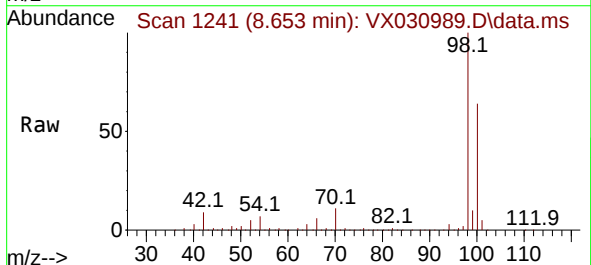
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-36DL

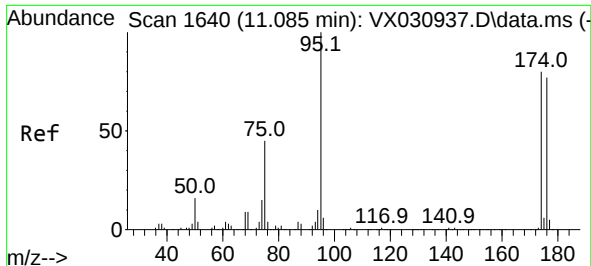
Tgt Ion:113 Resp: 130985  
Ion Ratio Lower Upper  
113 100  
111 101.3 83.2 124.8  
192 19.3 14.8 22.2



#50  
Toluene-d8  
Concen: 48.282 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX030989.D  
Acq: 31 Aug 2022 19:28

Tgt Ion: 98 Resp: 476944  
Ion Ratio Lower Upper  
98 100  
100 63.6 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 45.805 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX030989.D

Acq: 31 Aug 2022 19:28

Instrument :

MSVOA\_X

ClientSampleId :

MW-36DL

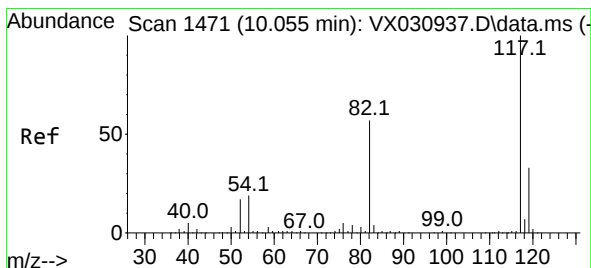
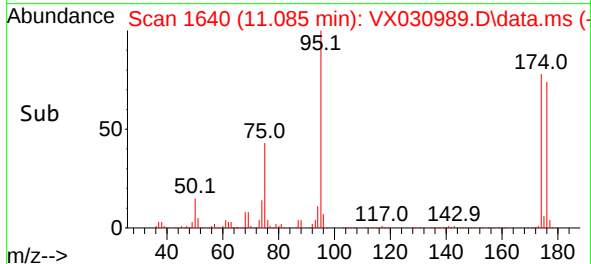
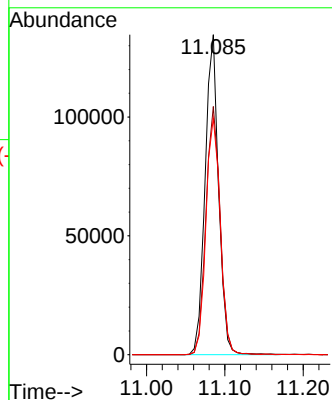
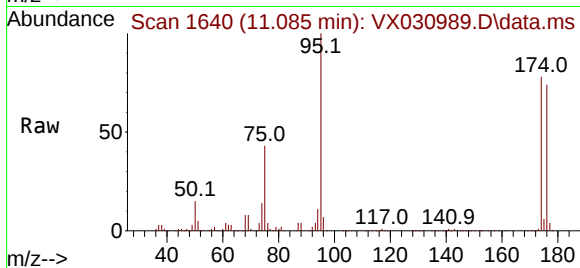
Tgt Ion: 95 Resp: 161131

Ion Ratio Lower Upper

95 100

174 81.6 0.0 149.0

176 78.4 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: VX030989.D

Acq: 31 Aug 2022 19:28

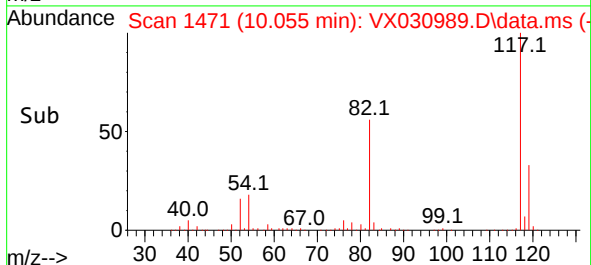
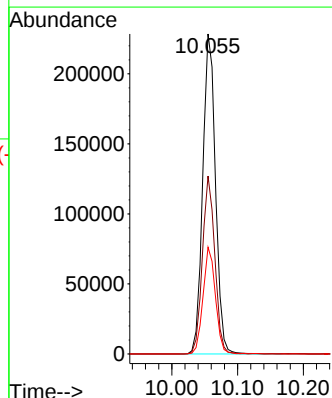
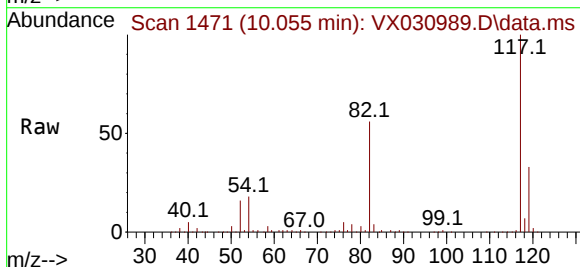
Tgt Ion: 117 Resp: 308262

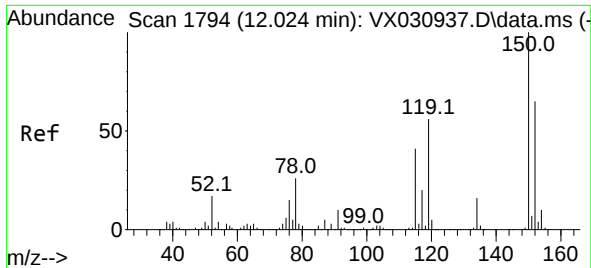
Ion Ratio Lower Upper

117 100

82 55.6 42.7 64.1

119 33.3 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX030989.D

Acq: 31 Aug 2022 19:28

Instrument :

MSVOA\_X

ClientSampleId :

MW-36DL

Tgt Ion:152 Resp: 141118

Ion Ratio Lower Upper

152 100

115 57.0 40.5 121.5

150 159.8 0.0 347.0

