

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101222\  
 Data File : VX032078.D  
 Acq On : 12 Oct 2022 12:49  
 Operator : JC/MD  
 Sample : N4937-14DL 20X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-121DL

Quant Time: Oct 13 09:12:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 06 14:28:46 2022  
 Response via : Initial Calibration

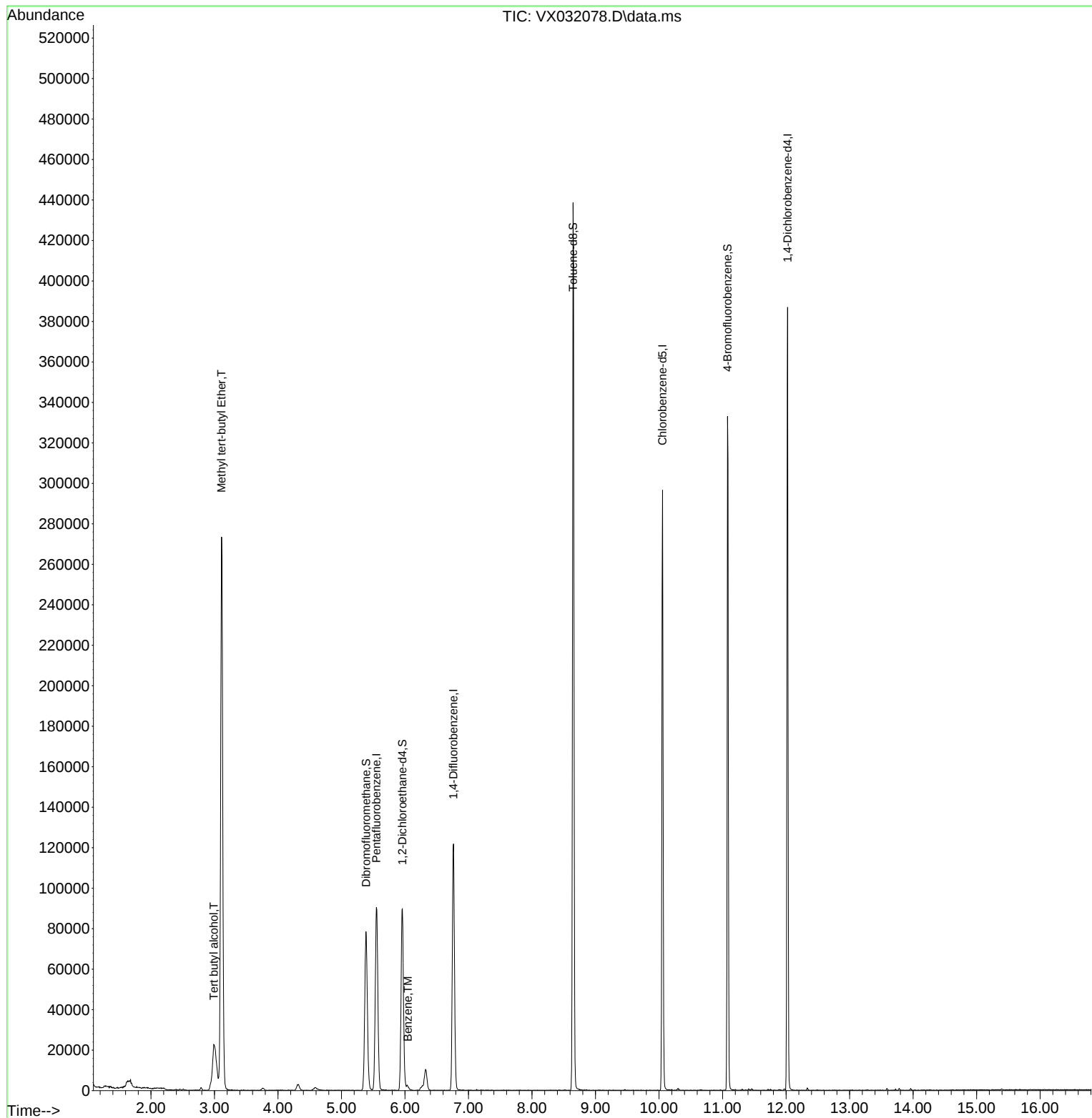
| Compound                    | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|--------|----------|
| -----                       |           |       |          |          |        |          |
| Internal Standards          |           |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.550     | 168   | 81418    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763     | 114   | 121700   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055    | 117   | 126846   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024    | 152   | 74098    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.958     | 65    | 87175    | 51.845   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 74 - 125 | Recovery | =      | 103.700% |
| 35) Dibromofluoromethane    | 5.385     | 113   | 65881    | 47.824   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | =      | 95.640%  |
| 50) Toluene-d8              | 8.647     | 98    | 247328   | 49.895   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 86 - 113 | Recovery | =      | 99.780%  |
| 62) 4-Bromofluorobenzene    | 11.079    | 95    | 83322    | 47.546   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | =      | 95.100%  |
| Target Compounds            |           |       |          |          |        |          |
|                             |           |       |          |          |        | Qvalue   |
| 11) Tert butyl alcohol      | 2.989     | 59    | 47648    | 227.762  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether | 3.111     | 73    | 293664   | 70.565   | ug/l   | 98       |
| 40) Benzene                 | 6.044     | 78    | 2130     | 0.398    | ug/l # | 88       |
| -----                       |           |       |          |          |        |          |

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

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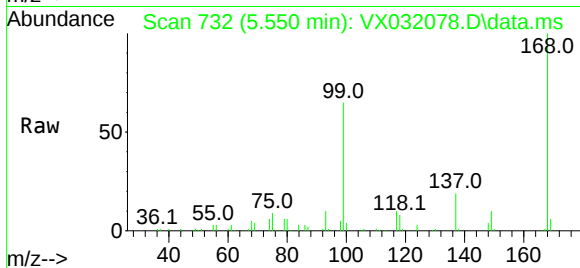
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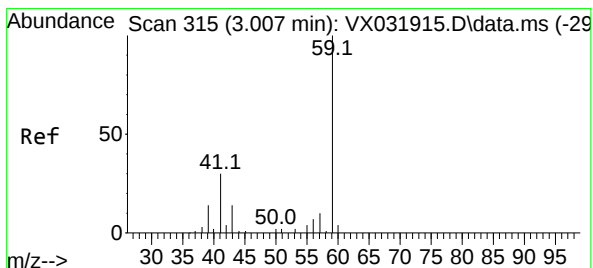
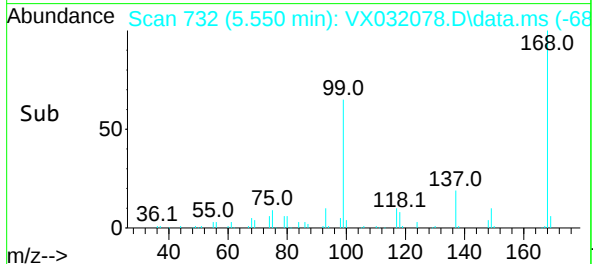
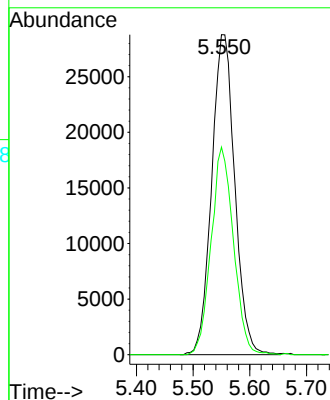


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX032078.D  
Acq: 12 Oct 2022 12:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-121DL

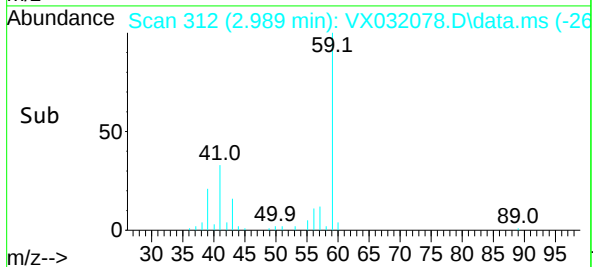
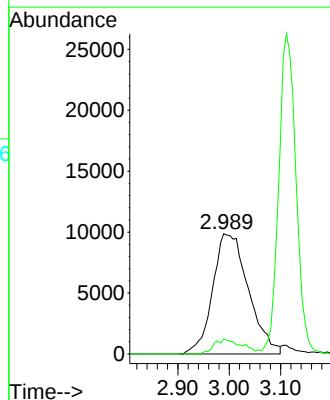
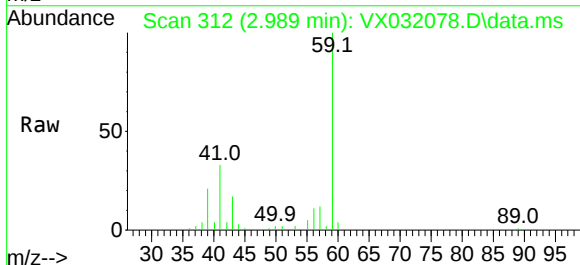


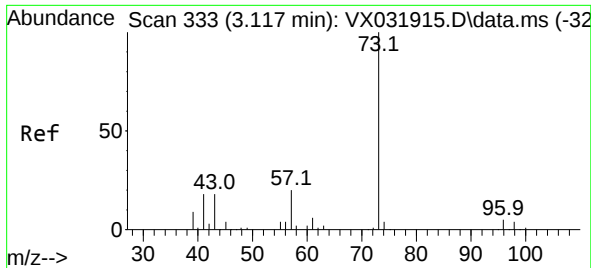
Tgt Ion:168 Resp: 81418  
Ion Ratio Lower Upper  
168 100  
99 64.8 48.8 73.2



#11  
Tert butyl alcohol  
Concen: 227.762 ug/l  
RT: 2.989 min Scan# 312  
Delta R.T. -0.018 min  
Lab File: VX032078.D  
Acq: 12 Oct 2022 12:49

Tgt Ion: 59 Resp: 47648  
Ion Ratio Lower Upper  
59 100  
57 9.5 8.2 12.2

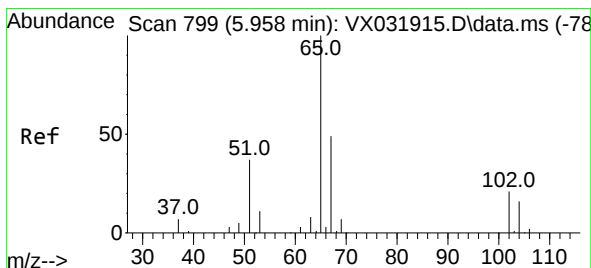
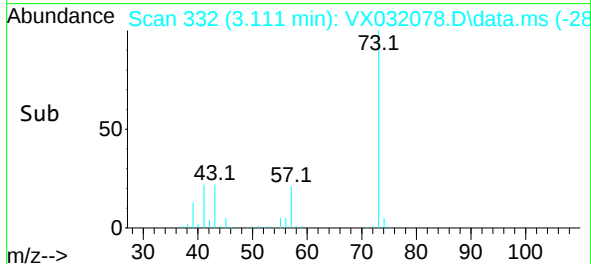
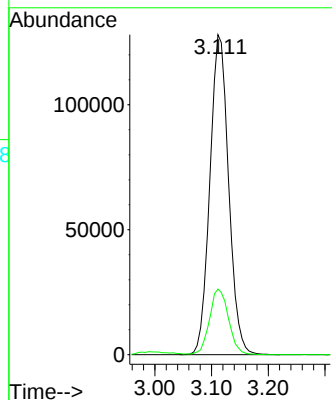
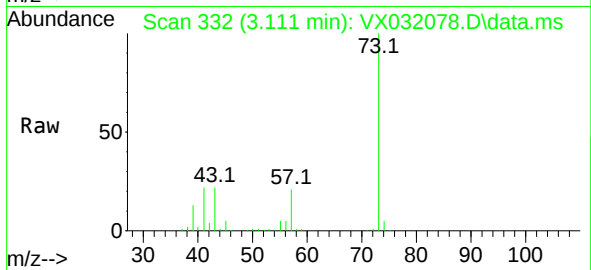




#19  
Methyl tert-butyl Ether  
Concen: 70.565 ug/l  
RT: 3.111 min Scan# 311  
Delta R.T. -0.006 min  
Lab File: VX032078.D  
Acq: 12 Oct 2022 12:49

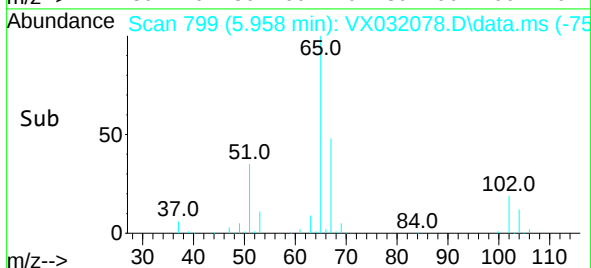
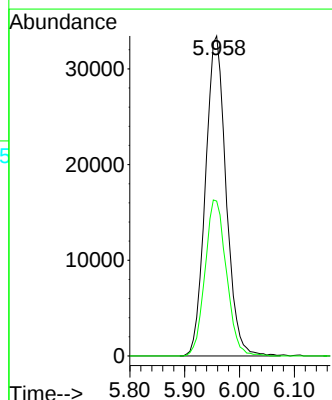
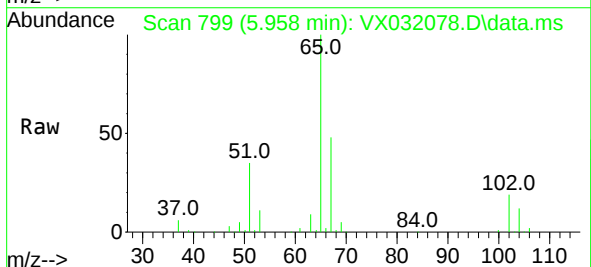
Instrument :  
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ClientSampleId :  
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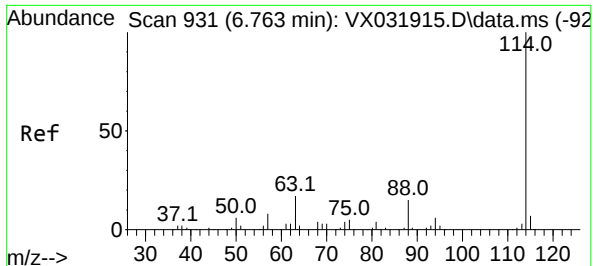
Tgt Ion: 73 Resp: 293664  
Ion Ratio Lower Upper  
73 100  
57 20.5 17.2 25.8



#33  
1,2-Dichloroethane-d4  
Concen: 51.845 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX032078.D  
Acq: 12 Oct 2022 12:49

Tgt Ion: 65 Resp: 87175  
Ion Ratio Lower Upper  
65 100  
67 50.6 0.0 102.4

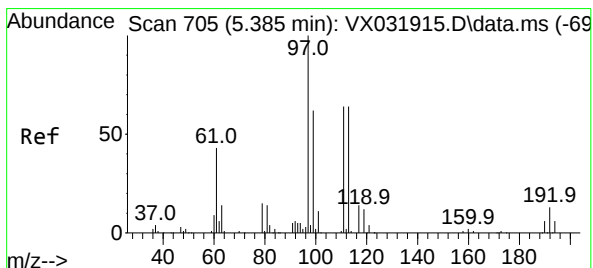
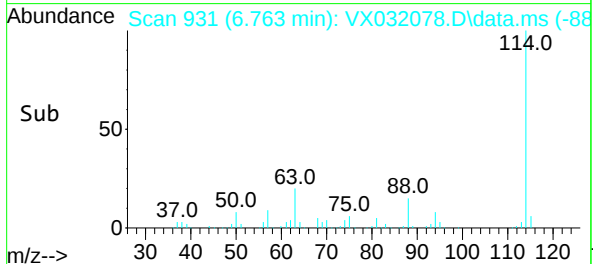
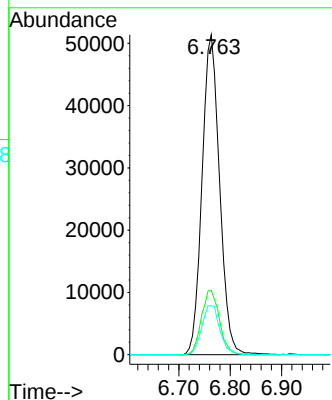
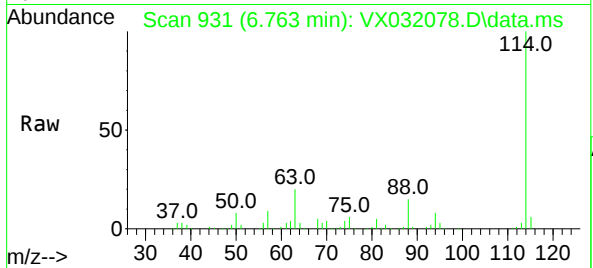




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX032078.D  
Acq: 12 Oct 2022 12:49

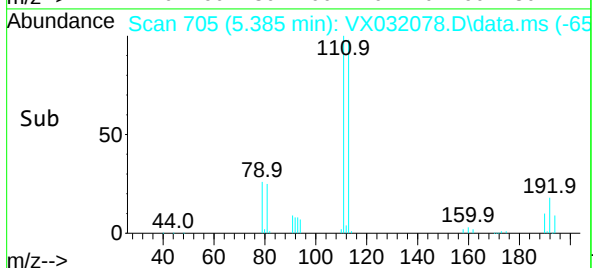
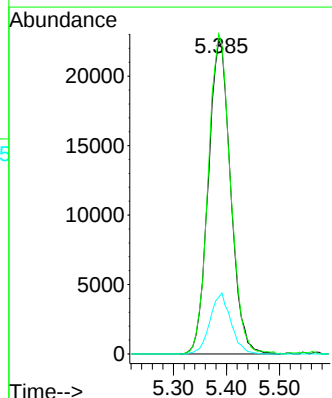
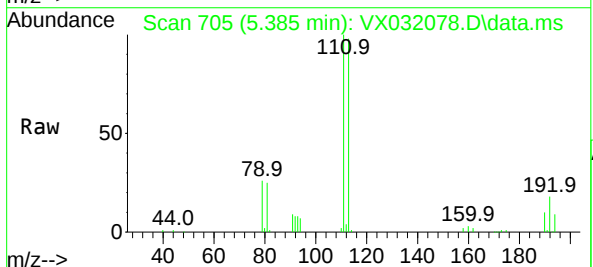
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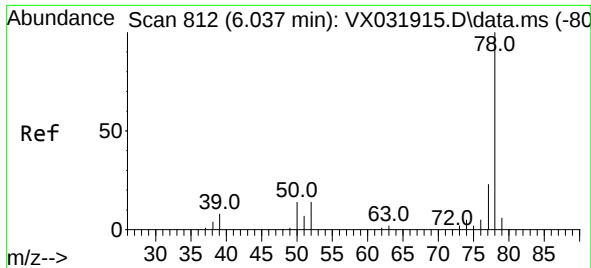
Tgt Ion:114 Resp: 121700  
Ion Ratio Lower Upper  
114 100  
63 20.1 0.0 42.6  
88 15.3 0.0 33.0



#35  
Dibromofluoromethane  
Concen: 47.824 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX032078.D  
Acq: 12 Oct 2022 12:49

Tgt Ion:113 Resp: 65881  
Ion Ratio Lower Upper  
113 100  
111 101.8 82.4 123.6  
192 18.2 14.1 21.1





#40

Benzene

Concen: 0.398 ug/l

RT: 6.044 min Scan# 81

Delta R.T. 0.007 min

Lab File: VX032078.D

Acq: 12 Oct 2022 12:49

Instrument :

MSVOA\_X

ClientSampleId :

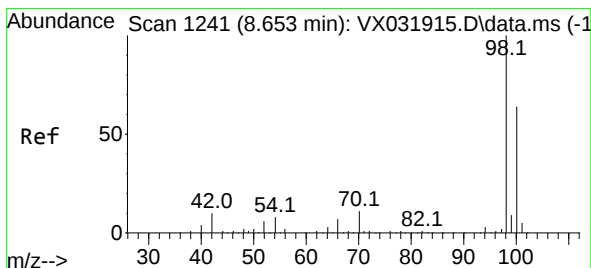
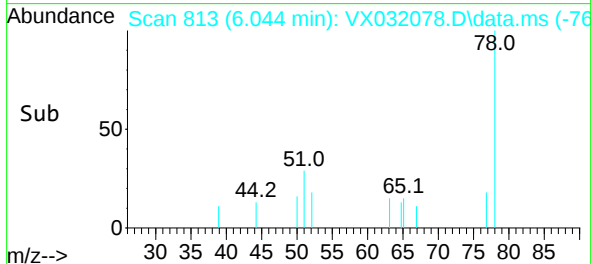
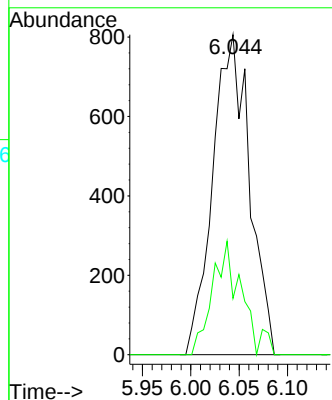
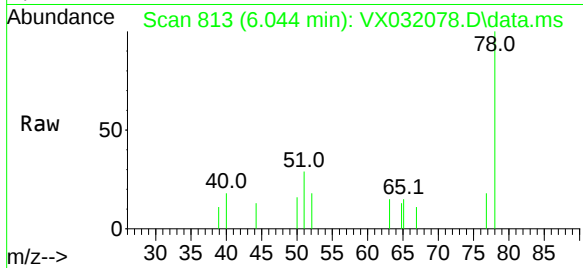
MW-121DL

Tgt Ion: 78 Resp: 2130

Ion Ratio Lower Upper

78 100

77 17.6 18.7 28.1#



#50

Toluene-d8

Concen: 49.895 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX032078.D

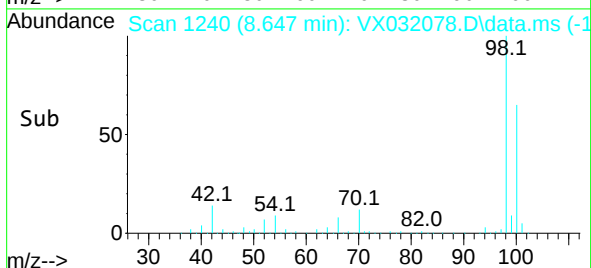
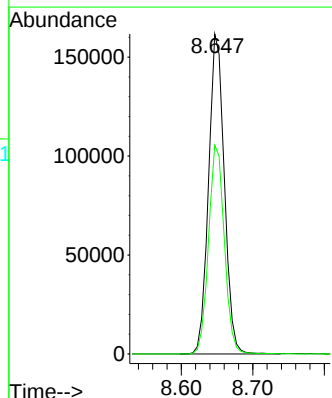
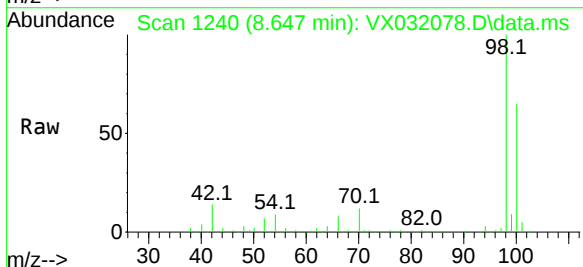
Acq: 12 Oct 2022 12:49

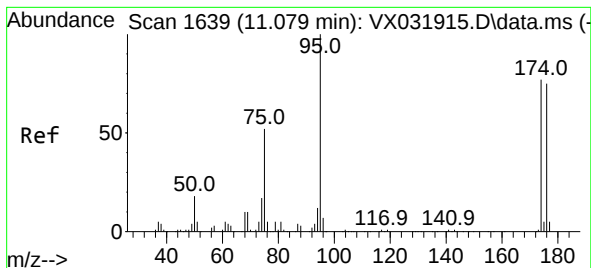
Tgt Ion: 98 Resp: 247328

Ion Ratio Lower Upper

98 100

100 65.3 52.5 78.7

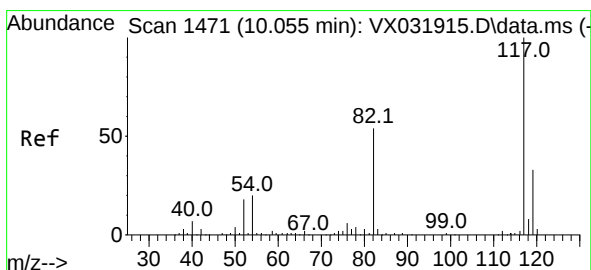
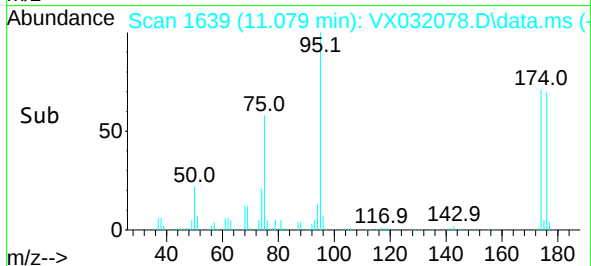
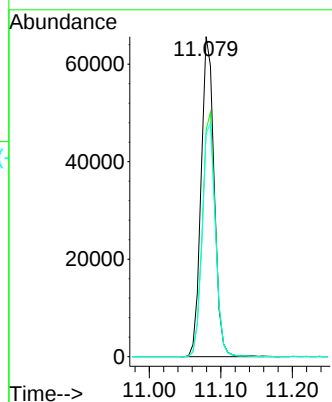
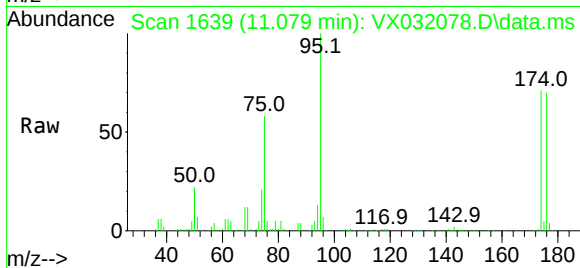




#62  
4-Bromofluorobenzene  
Concen: 47.546 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX032078.D  
Acq: 12 Oct 2022 12:49

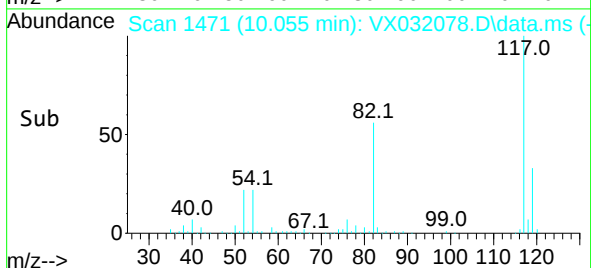
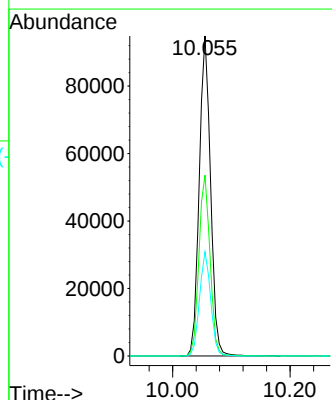
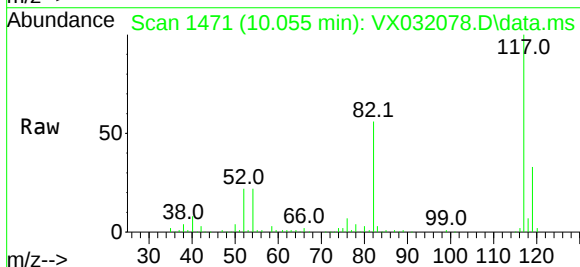
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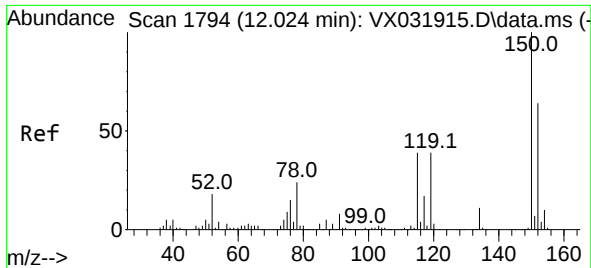
Tgt Ion: 95 Resp: 83322  
Ion Ratio Lower Upper  
95 100  
174 76.0 0.0 153.2  
176 74.0 0.0 144.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX032078.D  
Acq: 12 Oct 2022 12:49

Tgt Ion: 117 Resp: 126846  
Ion Ratio Lower Upper  
117 100  
82 56.5 46.8 70.2  
119 32.6 26.4 39.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX032078.D

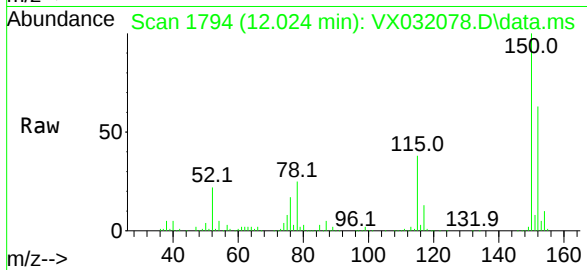
Acq: 12 Oct 2022 12:49

Instrument :

MSVOA\_X

ClientSampleId :

MW-121DL



Tgt Ion:152 Resp: 74098

Ion Ratio Lower Upper

152 100

115 61.0 43.4 130.1

150 156.8 0.0 346.8

