

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041323\  
 Data File : VN077326.D  
 Acq On : 13 Apr 2023 14:12  
 Operator : JC\MD  
 Sample : 02292-08  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IDW-SO-G2-041123

Quant Time: Apr 14 07:24:07 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N040523W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 06 08:27:03 2023  
 Response via : Initial Calibration

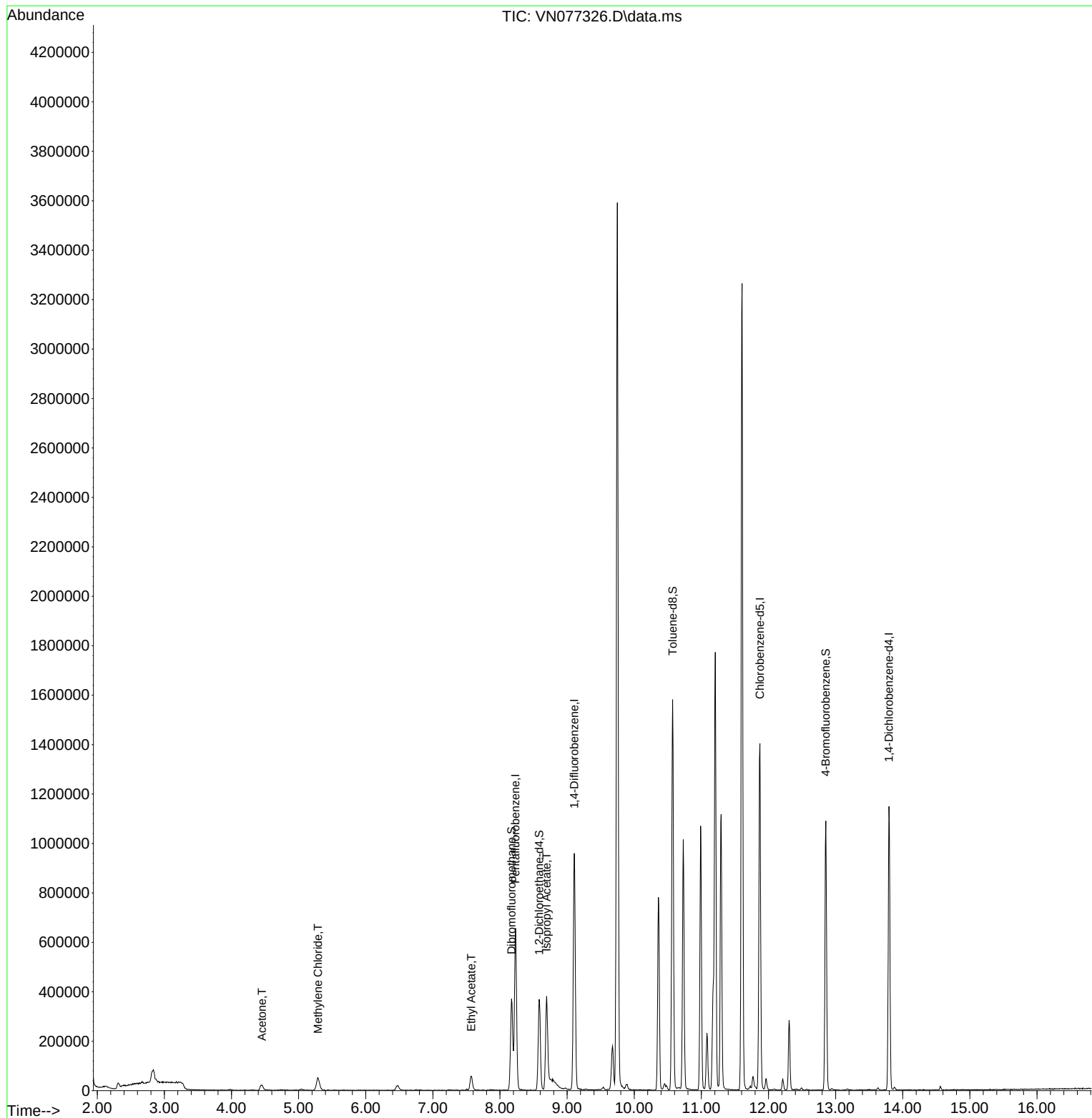
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.231  | 168   | 458260   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.107  | 114   | 888596   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.872 | 117   | 840874   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.795 | 152   | 304444   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.584  | 65    | 288955   | 46.135   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 92.280%  |
| 35) Dibromofluoromethane    | 8.172  | 113   | 263301   | 46.286   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 92.580%  |
| 50) Toluene-d8              | 10.572 | 98    | 1116287  | 48.746   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 97.500%  |
| 62) 4-Bromofluorobenzene    | 12.854 | 95    | 381321   | 50.067   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 100.140% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.455  | 43    | 42786    | 18.528   | ug/l   | 90       |
| 20) Methylene Chloride      | 5.290  | 84    | 43063    | 6.603    | ug/l # | 96       |
| 37) Ethyl Acetate           | 7.572  | 43    | 85507    | 11.359   | ug/l   | 97       |
| 43) Isopropyl Acetate       | 8.695  | 43    | 435137   | 31.327   | ug/l # | 87       |
| -----                       |        |       |          |          |        |          |

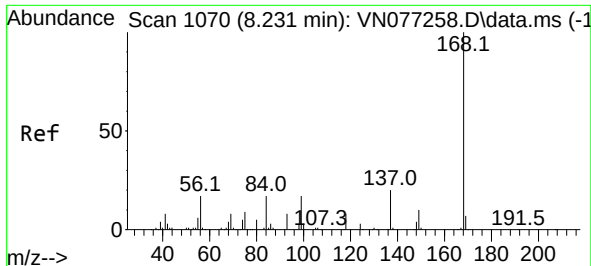
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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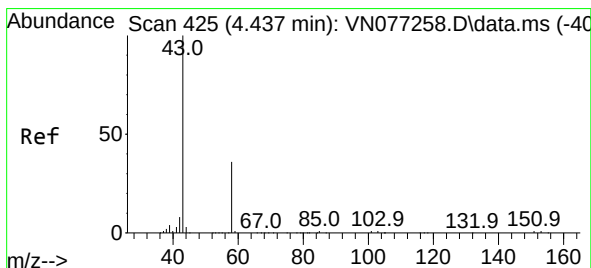
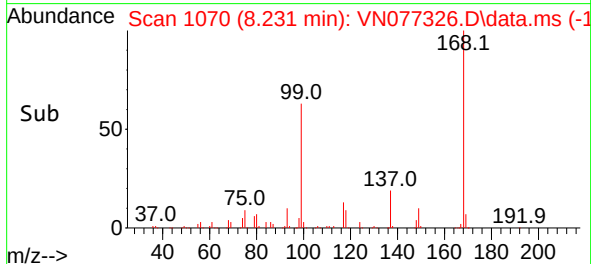
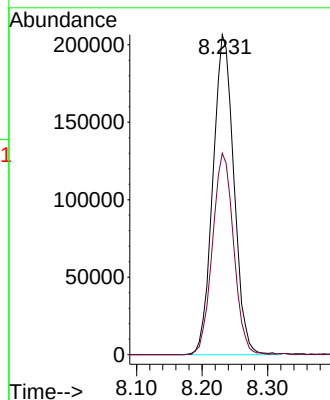
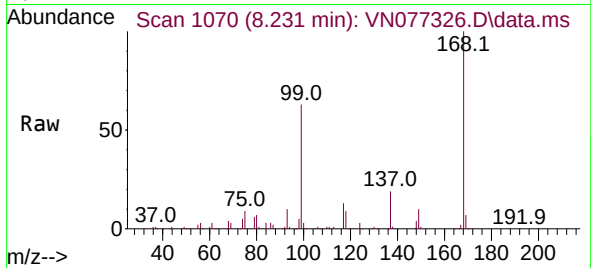




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.231 min Scan# 1070  
Delta R.T. -0.000 min  
Lab File: VN077326.D  
Acq: 13 Apr 2023 14:12

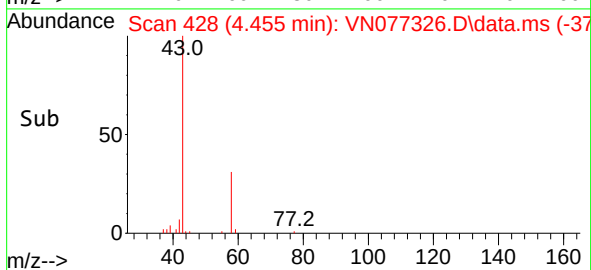
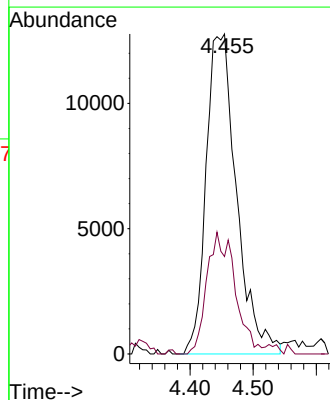
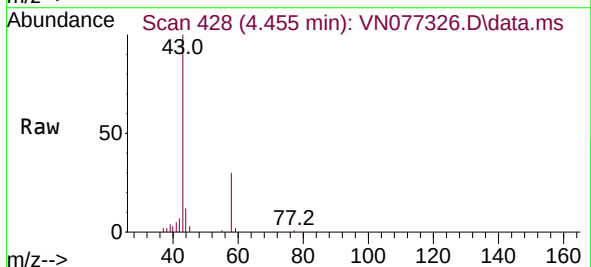
Instrument :  
MSVOA\_N  
ClientSampleId :  
IDW-SO-G2-041123

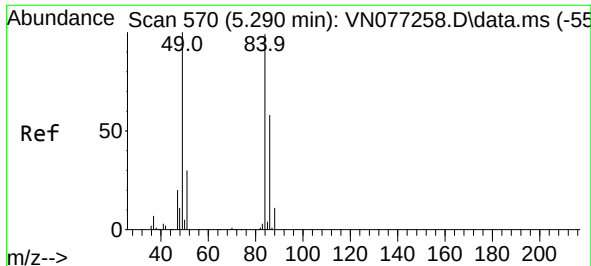
Tgt Ion:168 Resp: 458260  
Ion Ratio Lower Upper  
168 100  
99 62.9 50.6 75.8



#16  
Acetone  
Concen: 18.528 ug/l  
RT: 4.455 min Scan# 428  
Delta R.T. 0.018 min  
Lab File: VN077326.D  
Acq: 13 Apr 2023 14:12

Tgt Ion: 43 Resp: 42786  
Ion Ratio Lower Upper  
43 100  
58 30.4 29.0 43.6

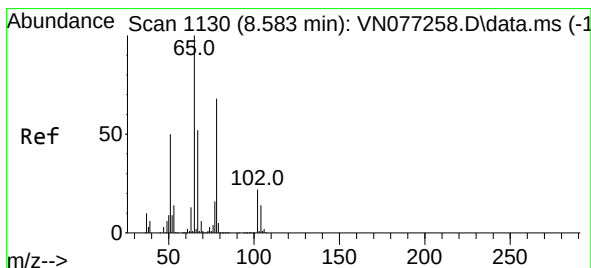
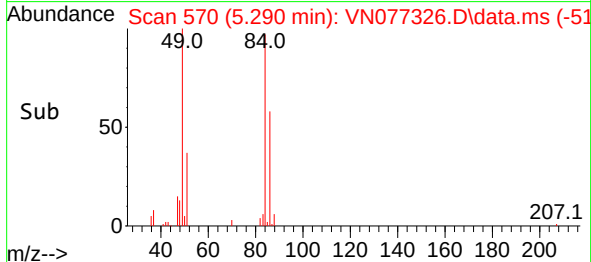
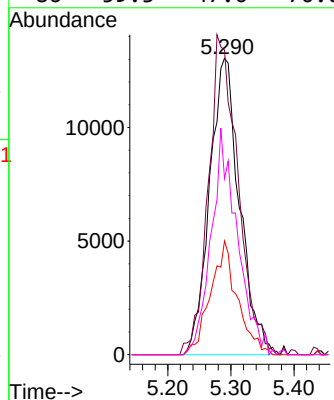
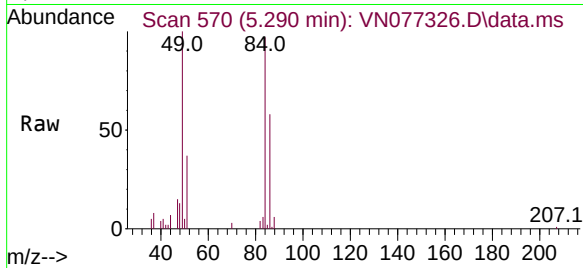




#20  
Methylene Chloride  
Concen: 6.603 ug/l  
RT: 5.290 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VN077326.D  
Acq: 13 Apr 2023 14:12

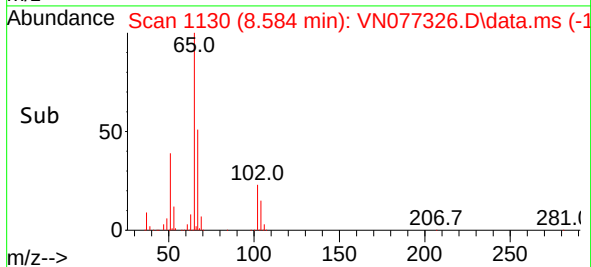
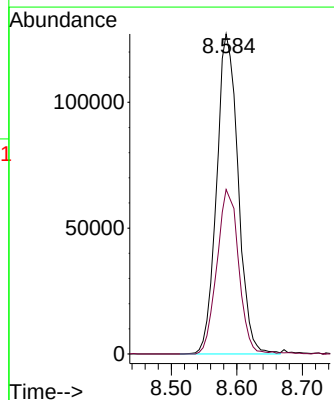
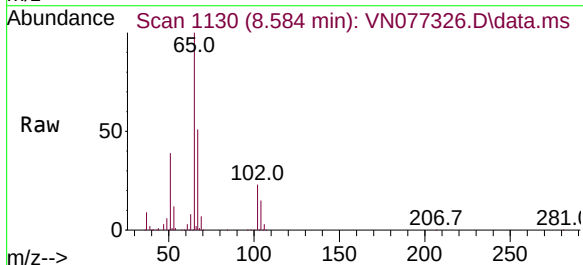
Instrument :  
MSVOA\_N  
ClientSampleId :  
IDW-SO-G2-041123

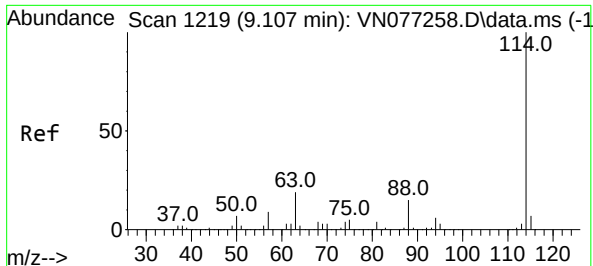
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 43063 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 102.7 | 80.6  | 121.0 |
| 51       | 38.4  | 24.4  | 36.6# |
| 86       | 59.3  | 47.0  | 70.6  |



#33  
1,2-Dichloroethane-d4  
Concen: 46.135 ug/l  
RT: 8.584 min Scan# 1130  
Delta R.T. 0.001 min  
Lab File: VN077326.D  
Acq: 13 Apr 2023 14:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 288955 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 52.1  | 0.0   | 108.8  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN077326.D

Acq: 13 Apr 2023 14:12

Instrument :

MSVOA\_N

ClientSampleId :

IDW-SO-G2-041123

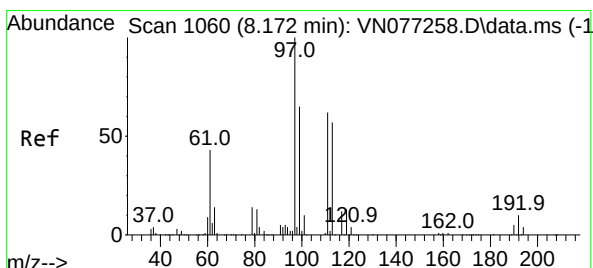
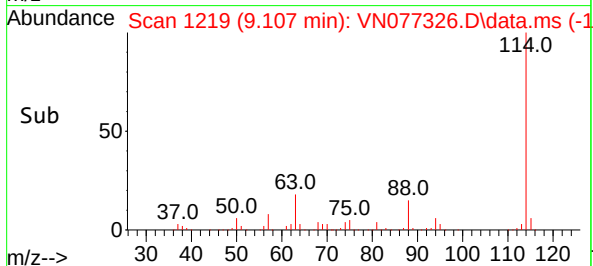
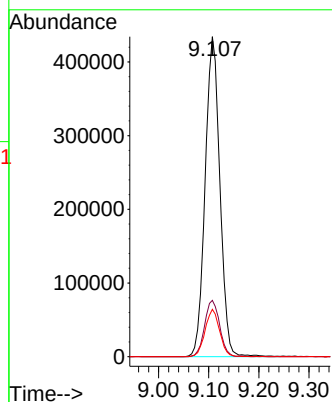
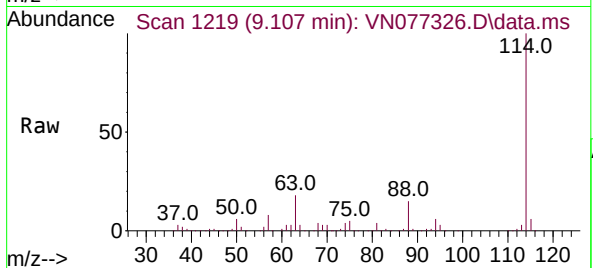
Tgt Ion:114 Resp: 888596

Ion Ratio Lower Upper

114 100

63 17.6 0.0 37.8

88 14.8 0.0 29.4



#35

Dibromofluoromethane

Concen: 46.286 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077326.D

Acq: 13 Apr 2023 14:12

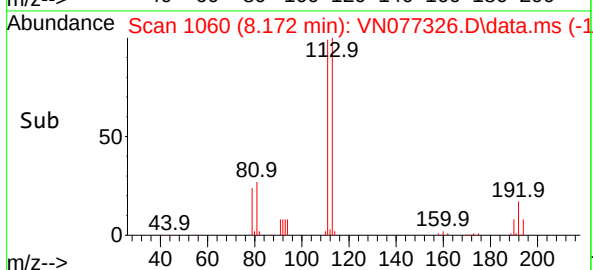
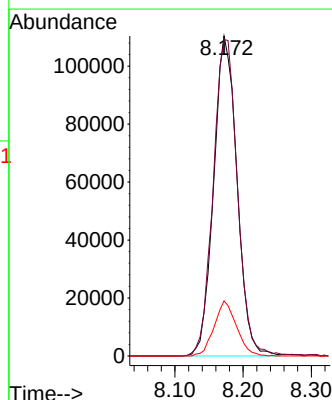
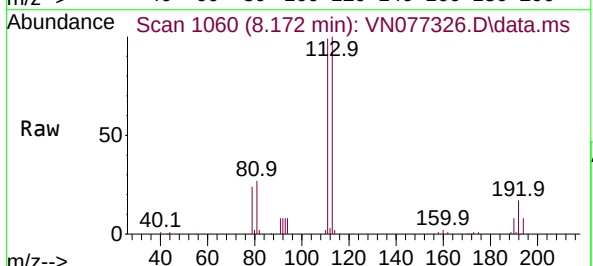
Tgt Ion:113 Resp: 263301

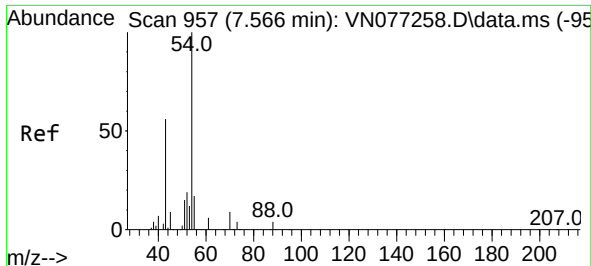
Ion Ratio Lower Upper

113 100

111 102.7 83.4 125.0

192 16.4 13.5 20.3





#37

Ethyl Acetate

Concen: 11.359 ug/l

RT: 7.572 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN077326.D

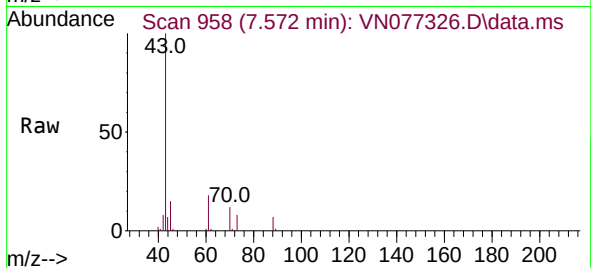
Acq: 13 Apr 2023 14:12

Instrument :

MSVOA\_N

ClientSampleId :

IDW-SO-G2-041123



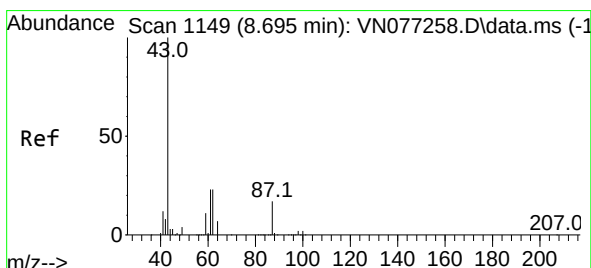
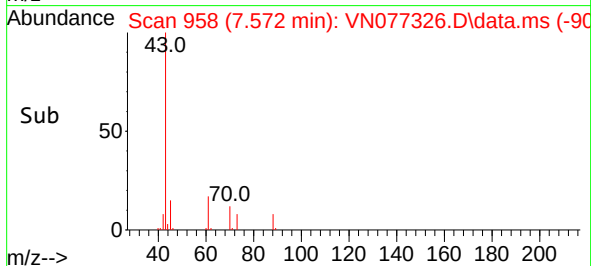
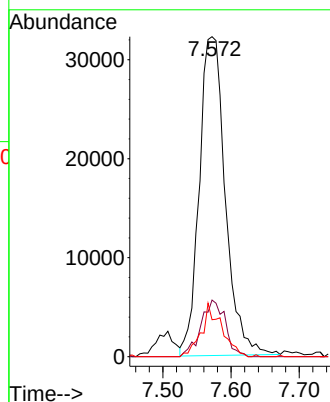
Tgt Ion: 43 Resp: 85507

Ion Ratio Lower Upper

43 100

61 16.6 12.2 18.2

70 13.1 10.0 15.0



#43

Isopropyl Acetate

Concen: 31.327 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VN077326.D

Acq: 13 Apr 2023 14:12

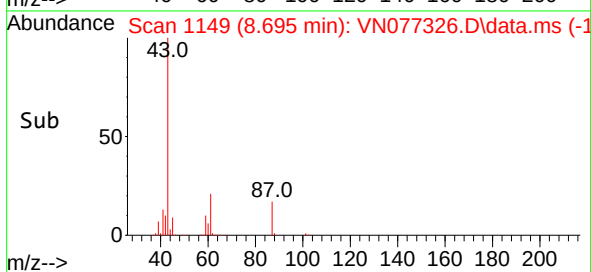
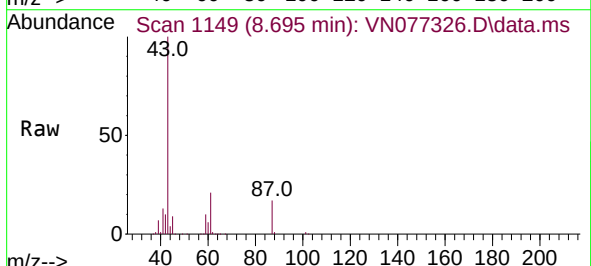
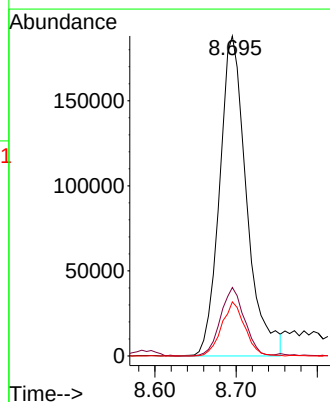
Tgt Ion: 43 Resp: 435137

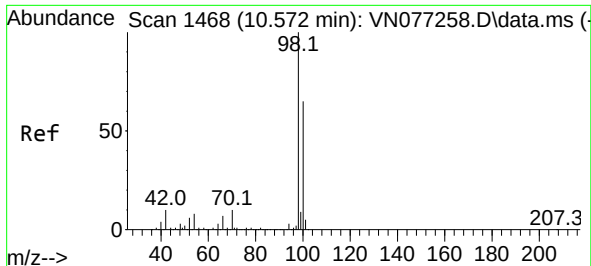
Ion Ratio Lower Upper

43 100

61 19.0 22.7 34.1#

87 14.5 13.6 20.4

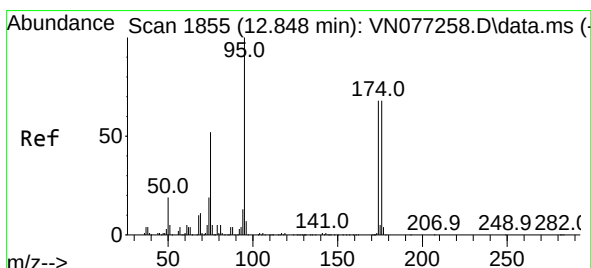
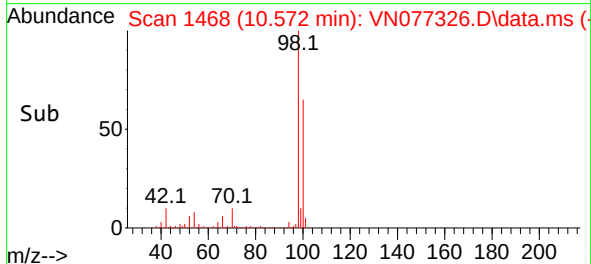
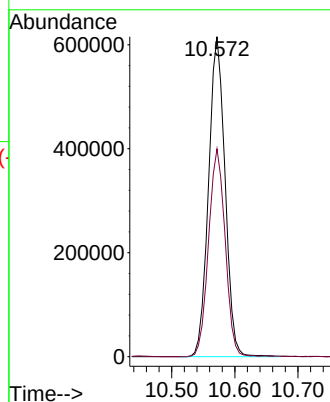
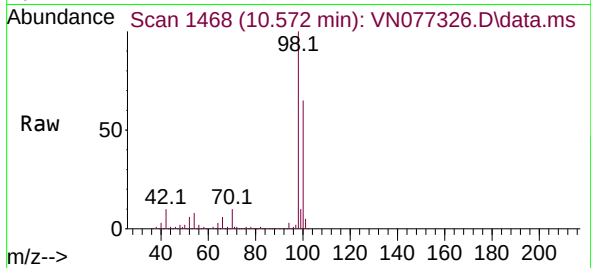




#50  
Toluene-d8  
Concen: 48.746 ug/l  
RT: 10.572 min Scan# 1468  
Delta R.T. -0.000 min  
Lab File: VN077326.D  
Acq: 13 Apr 2023 14:12

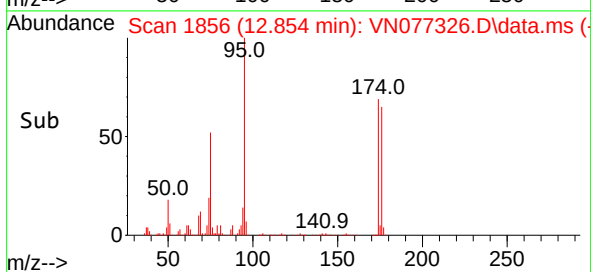
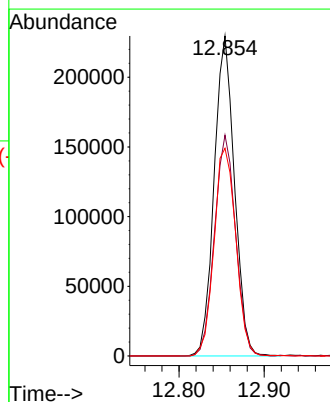
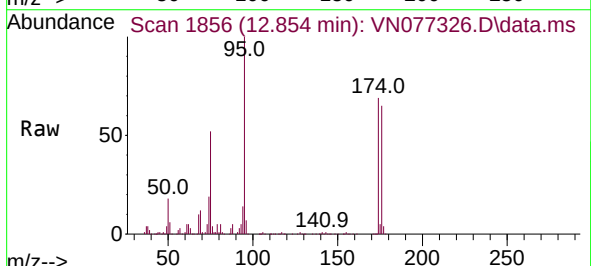
Instrument :  
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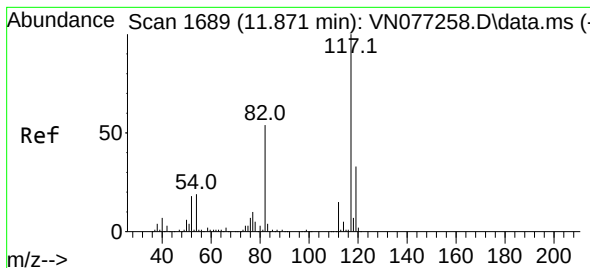
Tgt Ion: 98 Resp: 1116287  
Ion Ratio Lower Upper  
98 100  
100 65.3 51.3 76.9



#62  
4-Bromofluorobenzene  
Concen: 50.067 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. 0.006 min  
Lab File: VN077326.D  
Acq: 13 Apr 2023 14:12

Tgt Ion: 95 Resp: 381321  
Ion Ratio Lower Upper  
95 100  
174 71.7 0.0 146.8  
176 69.6 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.872 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN077326.D

Acq: 13 Apr 2023 14:12

Instrument :

MSVOA\_N

ClientSampleId :

IDW-SO-G2-041123

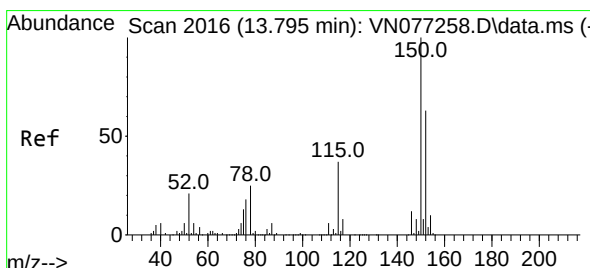
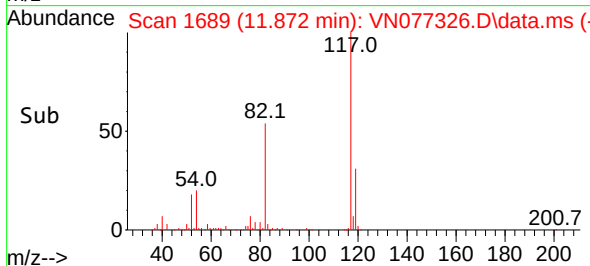
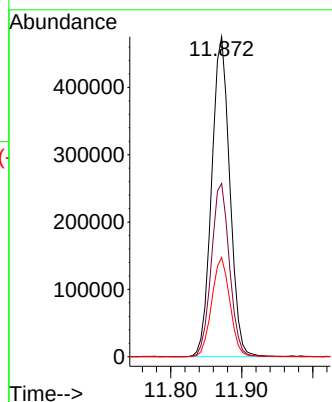
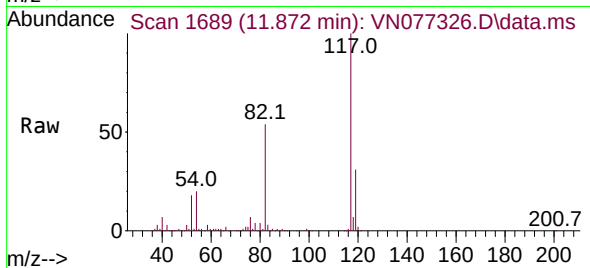
Tgt Ion:117 Resp: 840874

Ion Ratio Lower Upper

117 100

82 54.1 42.9 64.3

119 31.0 26.2 39.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN077326.D

Acq: 13 Apr 2023 14:12

Tgt Ion:152 Resp: 304444

Ion Ratio Lower Upper

152 100

115 63.6 32.1 96.3

150 158.9 0.0 354.8

