

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052924\  
 Data File : VN082381.D  
 Acq On : 29 May 2024 19:30  
 Operator : JC\MD  
 Sample : P2612-12  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 72-11933

Quant Time: May 30 05:48:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 16 05:21:06 2024  
 Response via : Initial Calibration

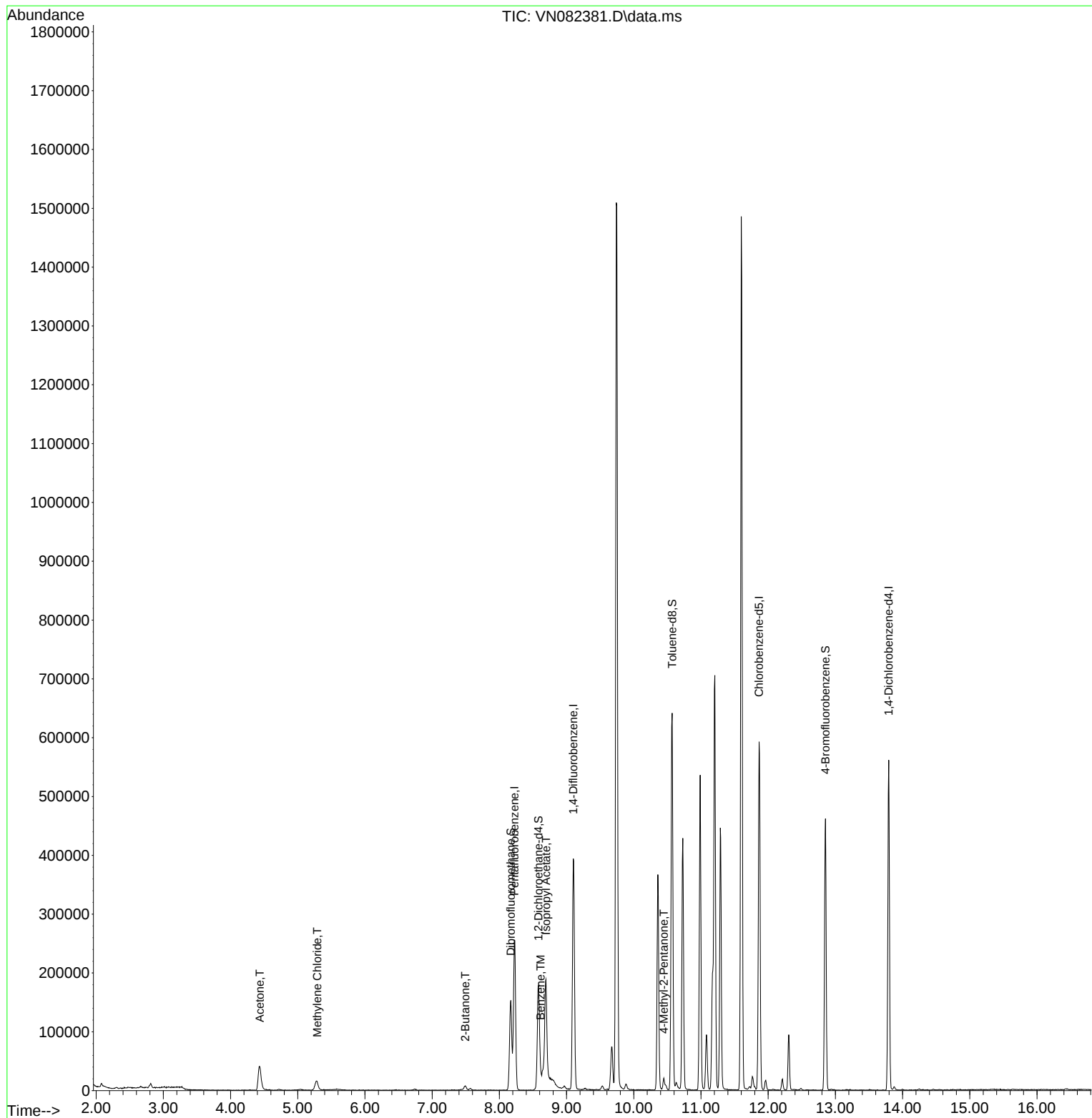
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.224  | 168   | 181622   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114   | 316943   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 314263   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 135109   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 146652   | 51.136   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 102.280% |          |
| 35) Dibromofluoromethane    | 8.171  | 113   | 104275   | 53.483   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 106.960% |          |
| 50) Toluene-d8              | 10.571 | 98    | 417299   | 55.826   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 111.660% |          |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 147717   | 55.366   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | = 110.740% |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 16) Acetone                 | 4.436  | 43    | 83592    | 71.055   | ug/l       | 89       |
| 20) Methylene Chloride      | 5.289  | 84    | 11377    | 4.793    | ug/l #     | 82       |
| 25) 2-Butanone              | 7.494  | 43    | 12860    | 7.210    | ug/l #     | 87       |
| 40) Benzene                 | 8.612  | 78    | 20349    | 2.087    | ug/l #     | 89       |
| 43) Isopropyl Acetate       | 8.694  | 43    | 258910   | 39.929   | ug/l #     | 74       |
| 51) 4-Methyl-2-Pentanone    | 10.447 | 43    | 19218    | 5.216    | ug/l #     | 72       |
| -----                       |        |       |          |          |            |          |

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

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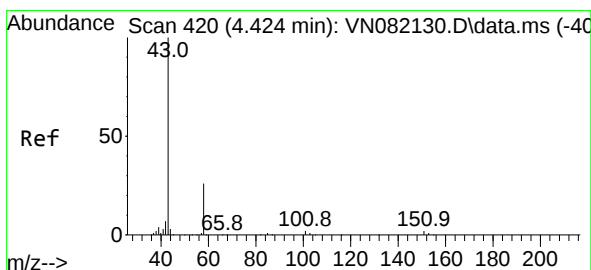
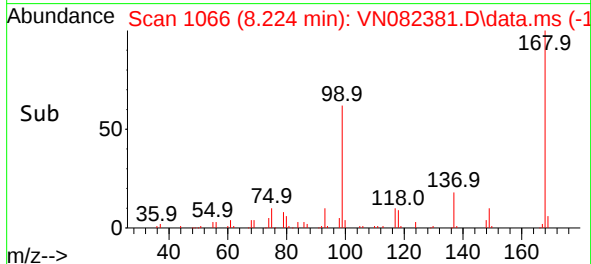
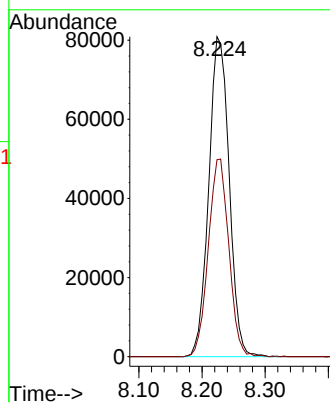
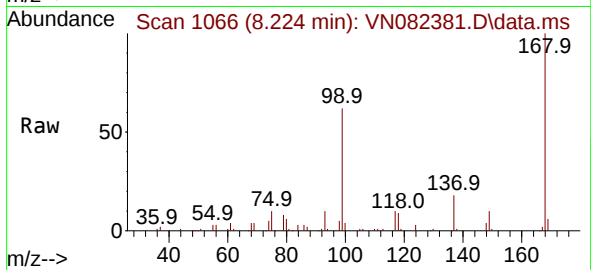




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN082381.D  
Acq: 29 May 2024 19:30

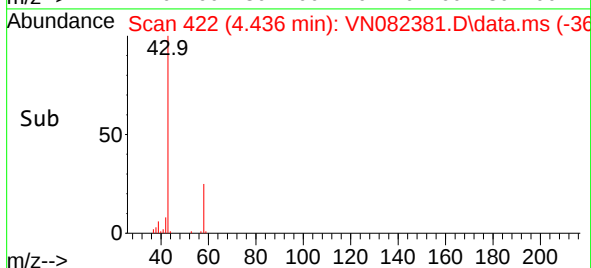
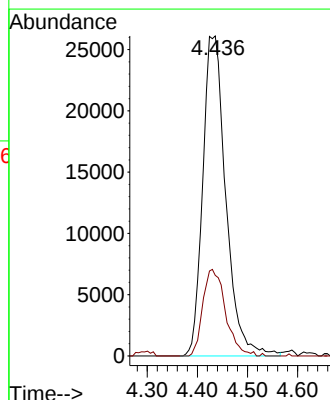
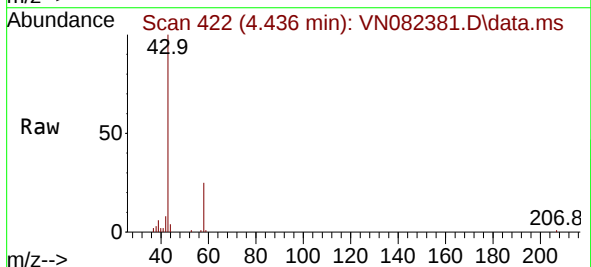
Instrument :  
MSVOA\_N  
ClientSampleId :  
72-11933

Tgt Ion:168 Resp: 181622  
Ion Ratio Lower Upper  
168 100  
99 61.6 48.2 72.4



#16  
Acetone  
Concen: 71.055 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.012 min  
Lab File: VN082381.D  
Acq: 29 May 2024 19:30

Tgt Ion: 43 Resp: 83592  
Ion Ratio Lower Upper  
43 100  
58 25.2 25.2 37.8

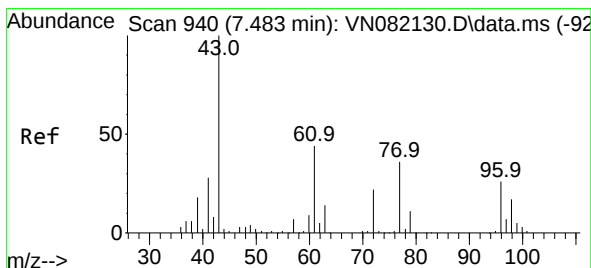
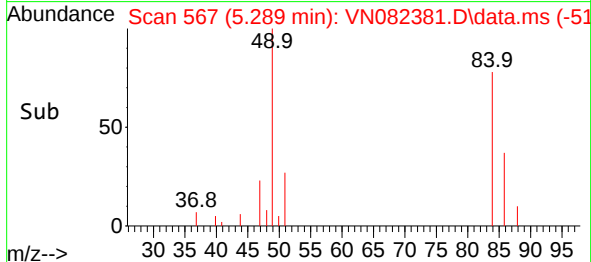
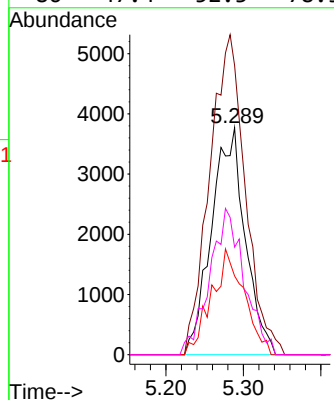
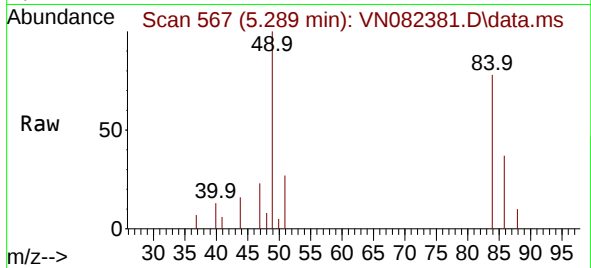




#20  
Methylene Chloride  
Concen: 4.793 ug/l  
RT: 5.289 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VN082381.D  
Acq: 29 May 2024 19:30

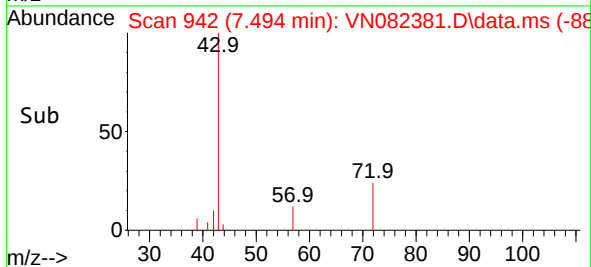
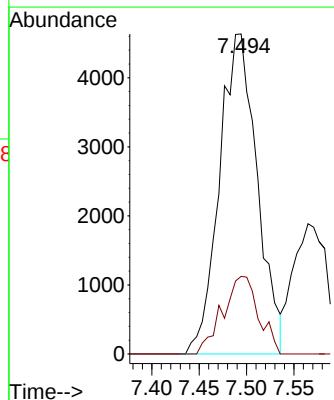
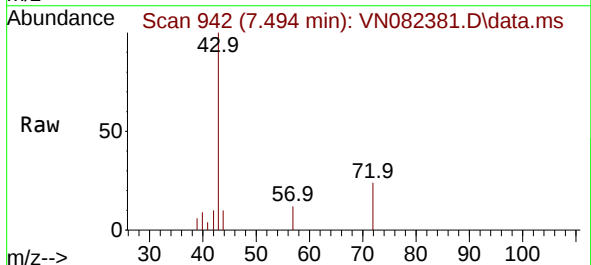
Instrument :  
MSVOA\_N  
ClientSampleId :  
72-11933

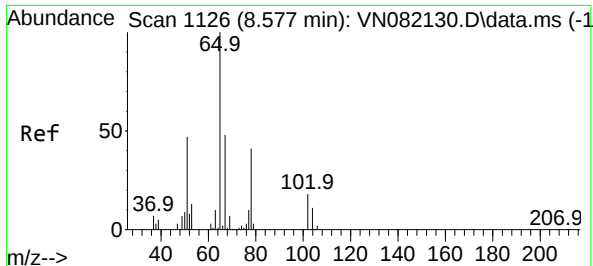
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 11377  |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 127.4 | 84.9  | 127.3# |
| 51       | 34.7  | 27.0  | 40.6   |
| 86       | 47.4  | 52.3  | 78.5#  |



#25  
2-Butanone  
Concen: 7.210 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. 0.012 min  
Lab File: VN082381.D  
Acq: 29 May 2024 19:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 12860 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 24.3  | 25.3  | 37.9# |





#33

1,2-Dichloroethane-d4

Concen: 51.136 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082381.D

Acq: 29 May 2024 19:30

Instrument :

MSVOA\_N

ClientSampleId :

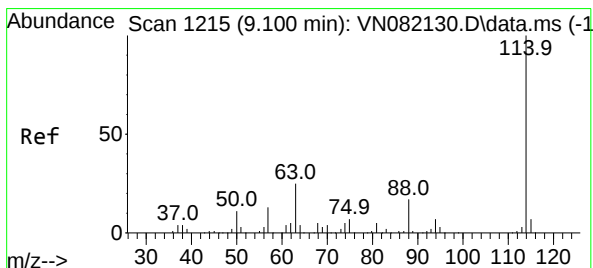
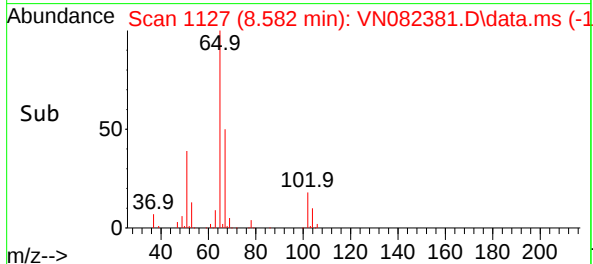
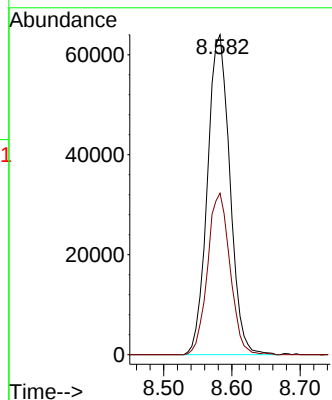
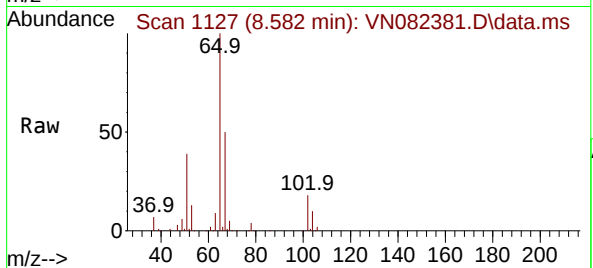
72-11933

Tgt Ion: 65 Resp: 146652

Ion Ratio Lower Upper

65 100

67 50.6 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN082381.D

Acq: 29 May 2024 19:30

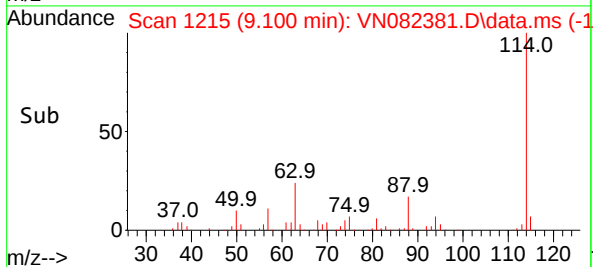
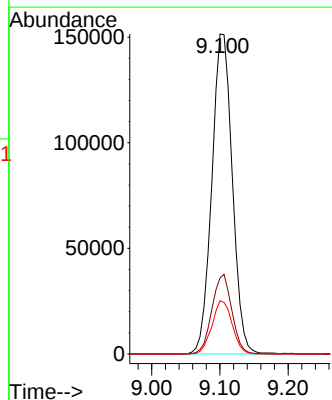
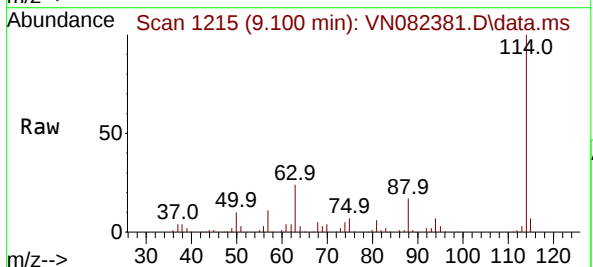
Tgt Ion: 114 Resp: 316943

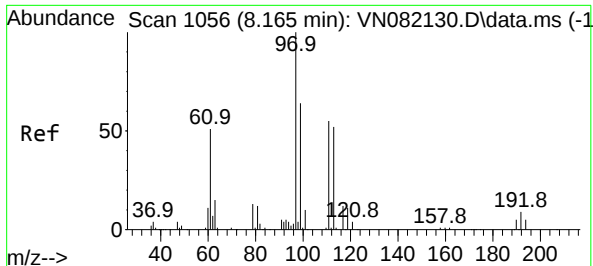
Ion Ratio Lower Upper

114 100

63 23.8 0.0 41.0

88 16.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.483 ug/l

RT: 8.171 min Scan# 110

Delta R.T. 0.006 min

Lab File: VN082381.D

Acq: 29 May 2024 19:30

Instrument :

MSVOA\_N

ClientSampleId :

72-11933

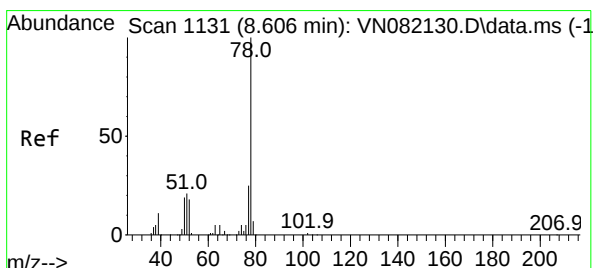
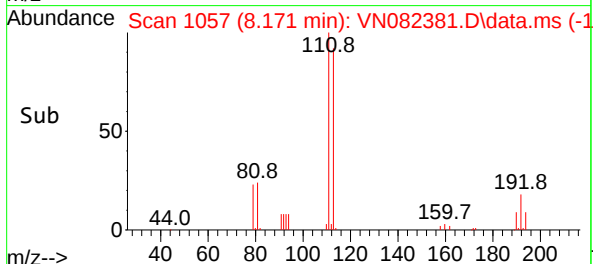
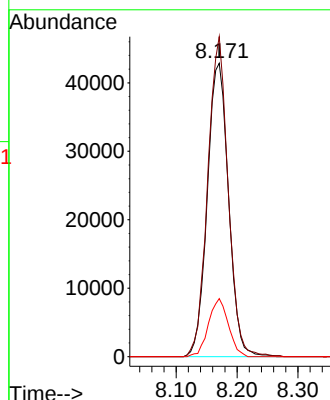
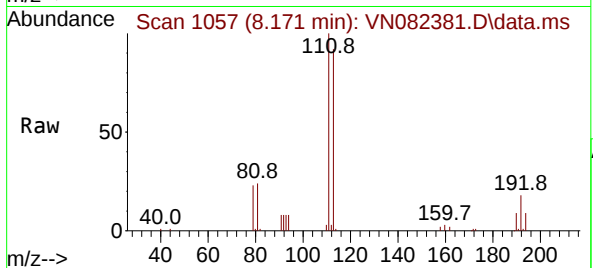
Tgt Ion:113 Resp: 104275

Ion Ratio Lower Upper

113 100

111 104.6 83.4 125.2

192 18.5 14.0 21.0



#40

Benzene

Concen: 2.087 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VN082381.D

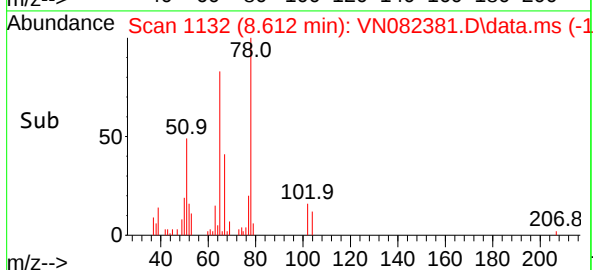
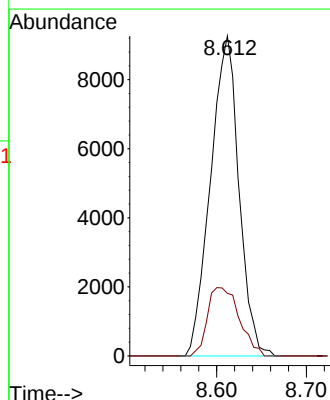
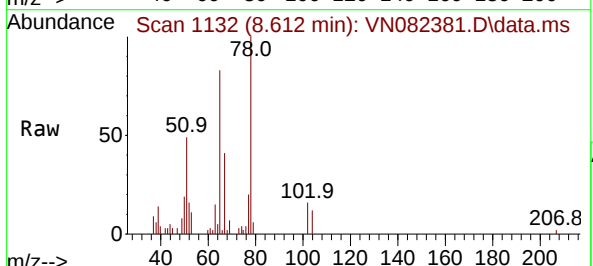
Acq: 29 May 2024 19:30

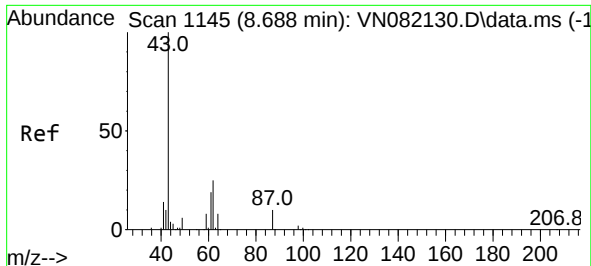
Tgt Ion: 78 Resp: 20349

Ion Ratio Lower Upper

78 100

77 19.6 20.0 30.0#





#43

Isopropyl Acetate

Concen: 39.929 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN082381.D

Acq: 29 May 2024 19:30

Instrument :

MSVOA\_N

ClientSampleId :

72-11933

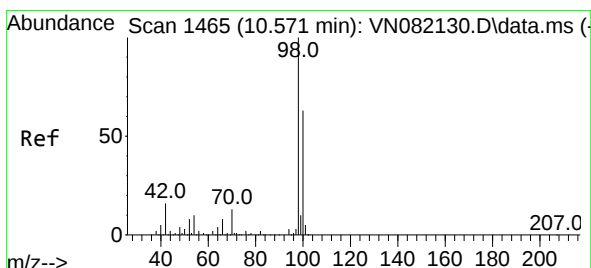
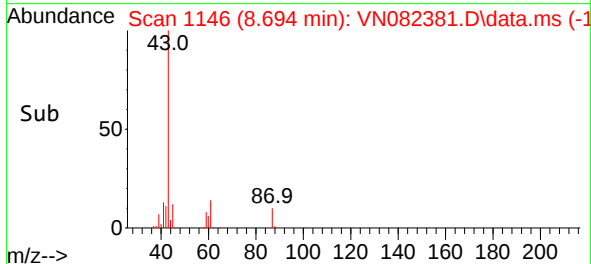
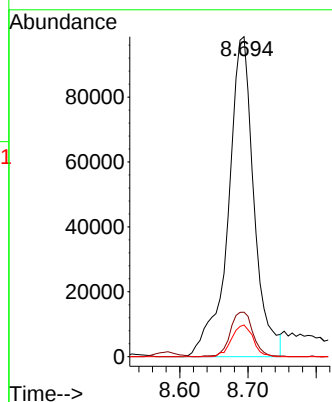
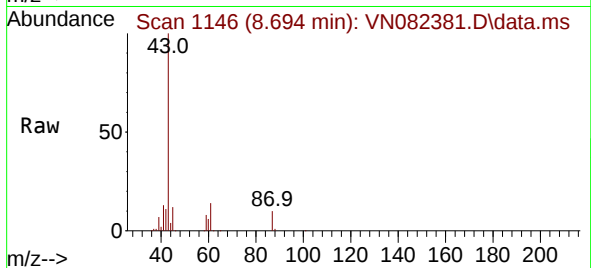
Tgt Ion: 43 Resp: 258910

Ion Ratio Lower Upper

43 100

61 12.3 22.8 34.2#

87 8.3 12.0 18.0#



#50

Toluene-d8

Concen: 55.826 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN082381.D

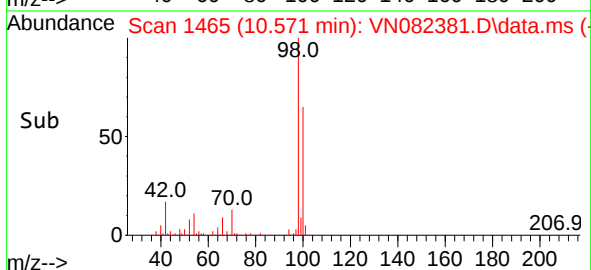
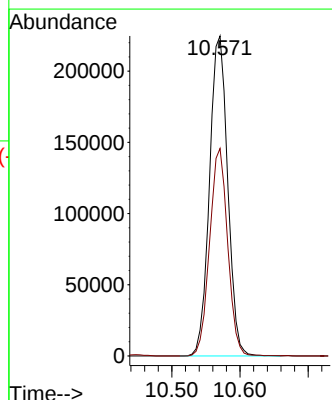
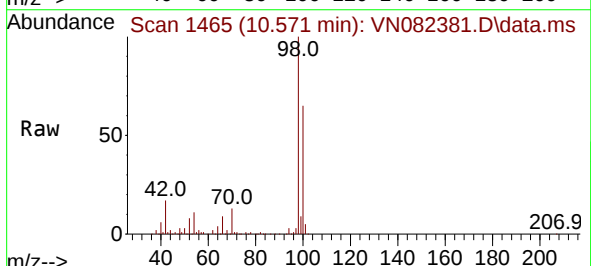
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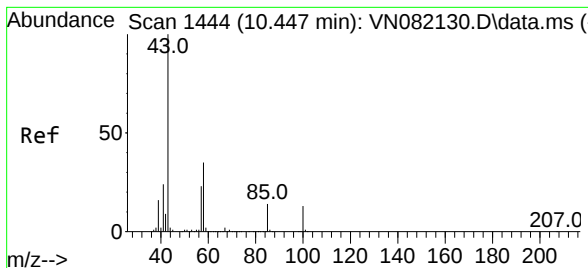
Tgt Ion: 98 Resp: 417299

Ion Ratio Lower Upper

98 100

100 64.3 51.8 77.6

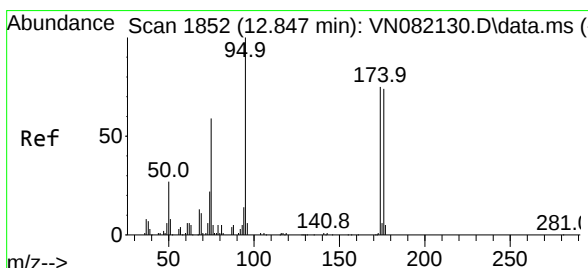
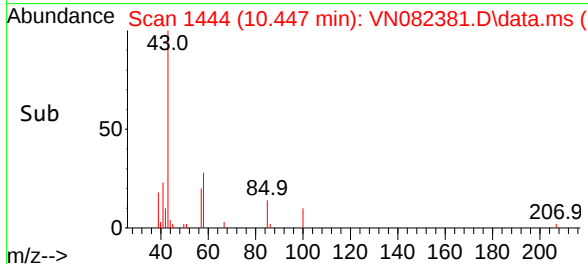
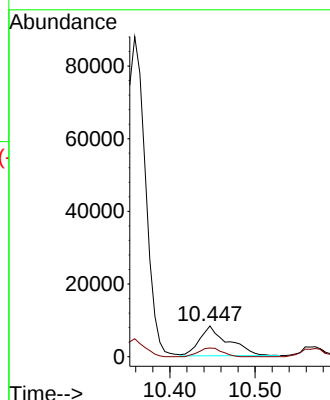
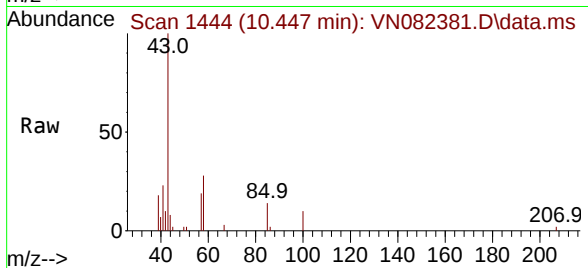




#51  
4-Methyl-2-Pentanone  
Concen: 5.216 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. -0.000 min  
Lab File: VN082381.D  
Acq: 29 May 2024 19:30

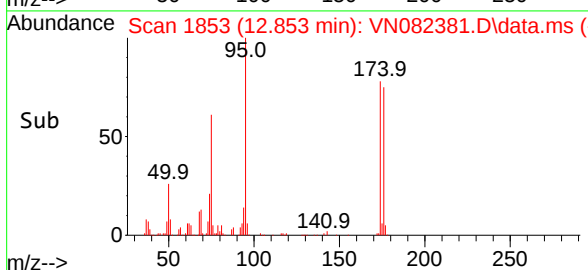
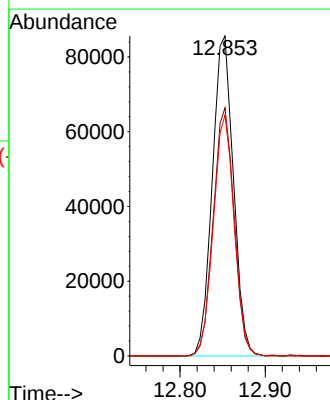
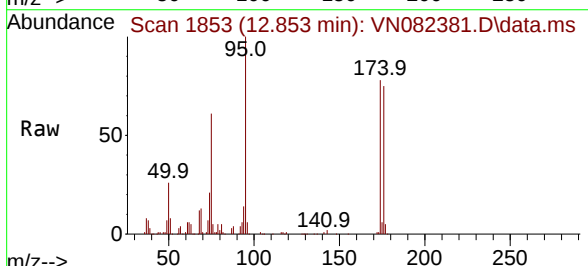
Instrument :  
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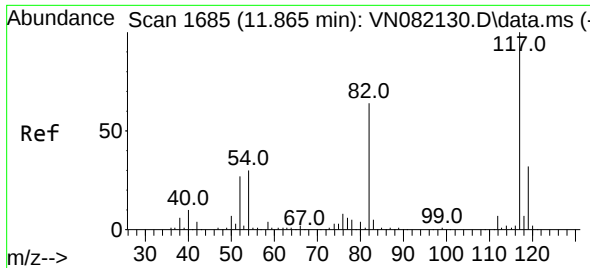
Tgt Ion: 43 Resp: 19218  
Ion Ratio Lower Upper  
43 100  
58 23.8 33.2 49.8#



#62  
4-Bromofluorobenzene  
Concen: 55.366 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN082381.D  
Acq: 29 May 2024 19:30

Tgt Ion: 95 Resp: 147717  
Ion Ratio Lower Upper  
95 100  
174 76.9 0.0 160.6  
176 74.1 0.0 152.8

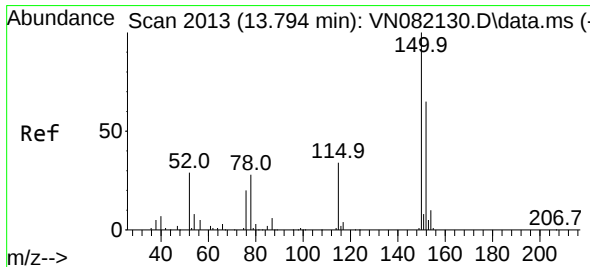
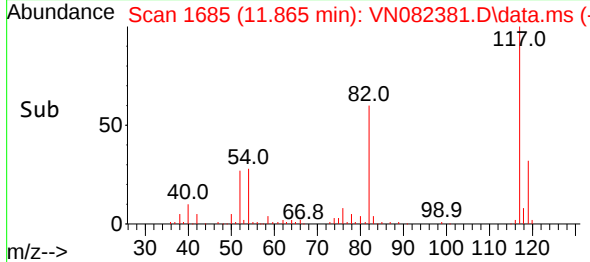
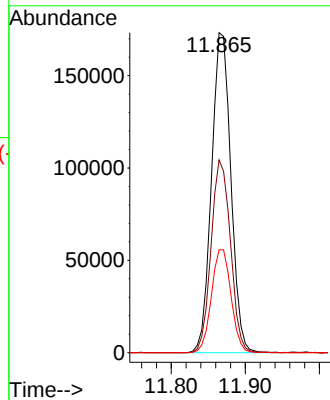
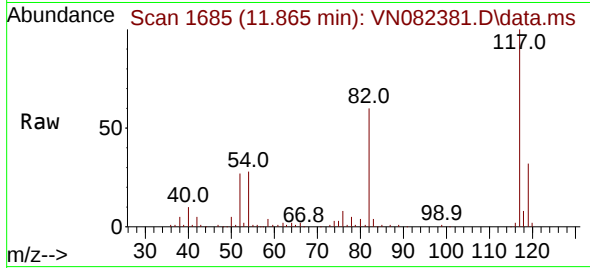




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN082381.D  
Acq: 29 May 2024 19:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
72-11933

Tgt Ion:117 Resp: 314263  
Ion Ratio Lower Upper  
117 100  
82 60.3 44.6 66.8  
119 32.2 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. -0.000 min  
Lab File: VN082381.D  
Acq: 29 May 2024 19:30

Tgt Ion:152 Resp: 135109  
Ion Ratio Lower Upper  
152 100  
115 62.1 30.4 91.3  
150 159.8 0.0 353.2

