

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052924\  
 Data File : VN082380.D  
 Acq On : 29 May 2024 19:06  
 Operator : JC\MD  
 Sample : P2612-09  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RBR200057

Quant Time: May 30 05:48:04 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

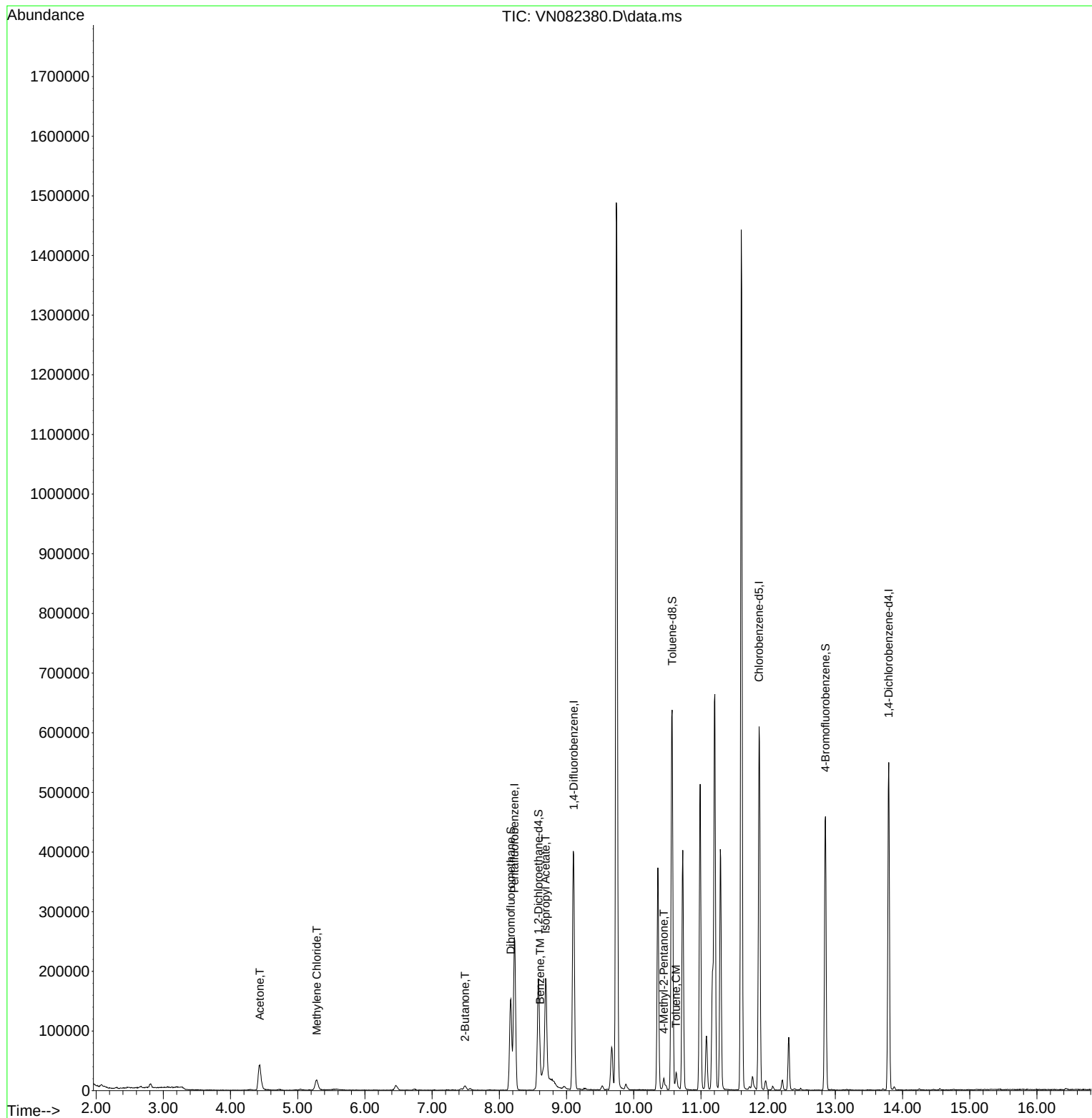
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.224  | 168   | 178965   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 324567   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 315985   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 136810   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 145416   | 51.458   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 102.920% |          |
| 35) Dibromofluoromethane    | 8.171  | 113   | 105239   | 52.709   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 105.420% |          |
| 50) Toluene-d8              | 10.571 | 98    | 421946   | 55.122   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 110.240% |          |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 150503   | 55.086   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | = 110.180% |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 16) Acetone                 | 4.436  | 43    | 82682    | 71.325   | ug/l       | 90       |
| 20) Methylene Chloride      | 5.283  | 84    | 12250    | 5.238    | ug/l #     | 74       |
| 25) 2-Butanone              | 7.489  | 43    | 13015    | 7.405    | ug/l #     | 85       |
| 40) Benzene                 | 8.606  | 78    | 24230    | 2.427    | ug/l       | 98       |
| 43) Isopropyl Acetate       | 8.688  | 43    | 265696   | 40.013   | ug/l #     | 74       |
| 51) 4-Methyl-2-Pentanone    | 10.447 | 43    | 20874    | 5.533    | ug/l #     | 69       |
| 52) Toluene                 | 10.630 | 92    | 10497    | 1.752    | ug/l       | 92       |
| -----                       |        |       |          |          |            |          |

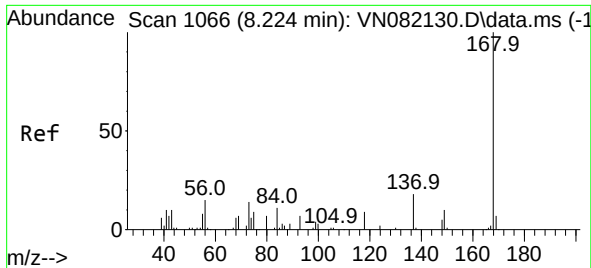
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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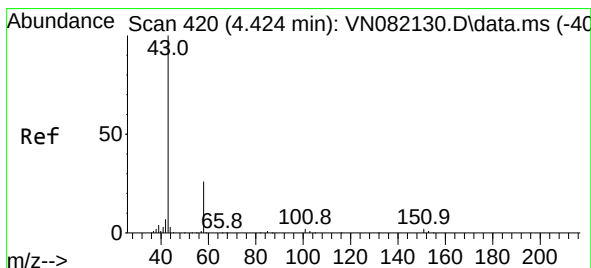
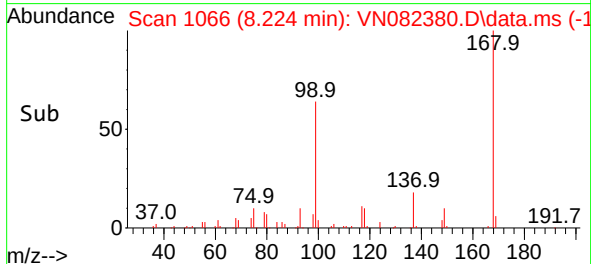
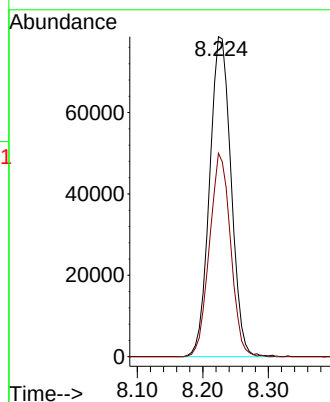
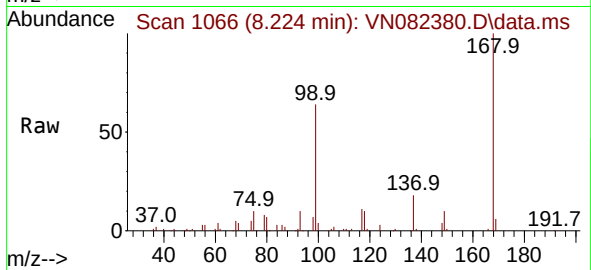




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN082380.D  
Acq: 29 May 2024 19:06

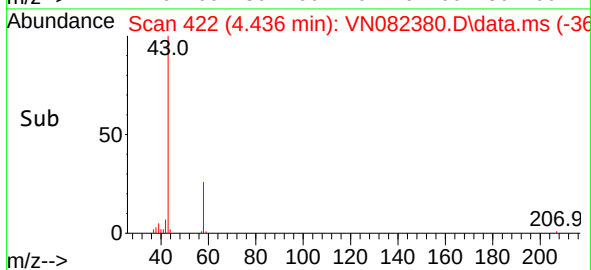
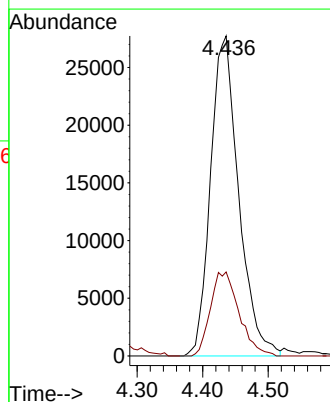
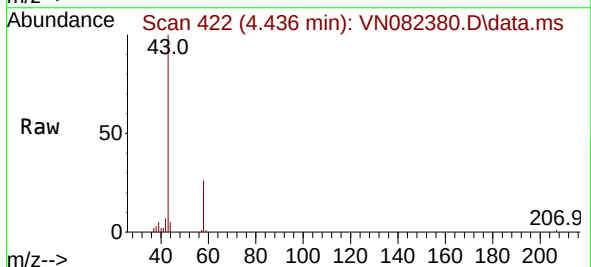
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MSVOA\_N  
ClientSampleId :  
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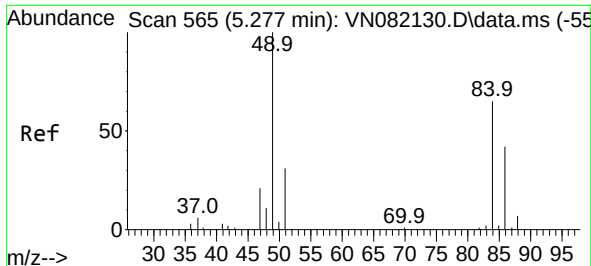
Tgt Ion:168 Resp: 178965  
Ion Ratio Lower Upper  
168 100  
99 63.6 48.2 72.4



#16  
Acetone  
Concen: 71.325 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.012 min  
Lab File: VN082380.D  
Acq: 29 May 2024 19:06

Tgt Ion: 43 Resp: 82682  
Ion Ratio Lower Upper  
43 100  
58 26.2 25.2 37.8

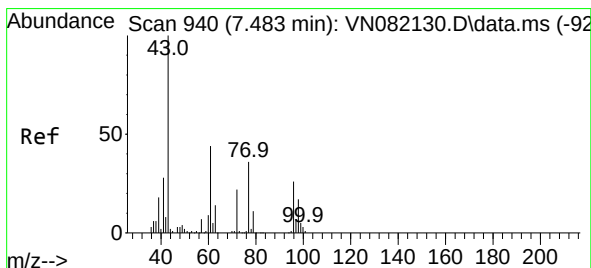
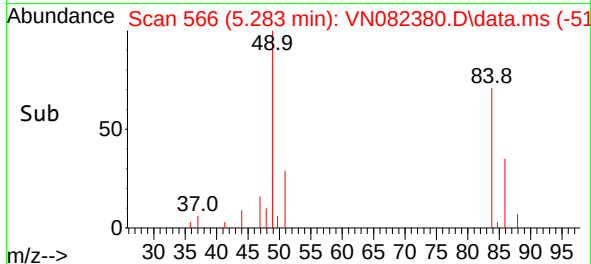
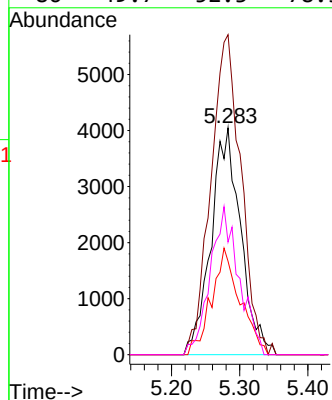
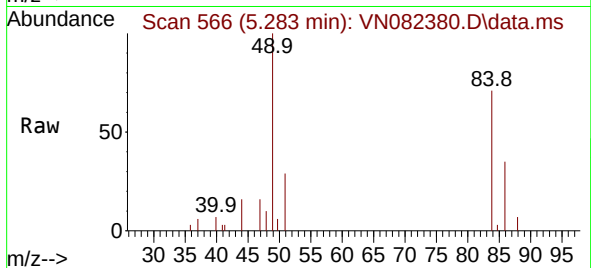




#20  
Methylene Chloride  
Concen: 5.238 ug/l  
RT: 5.283 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN082380.D  
Acq: 29 May 2024 19:06

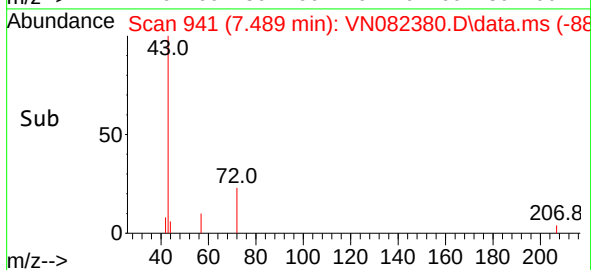
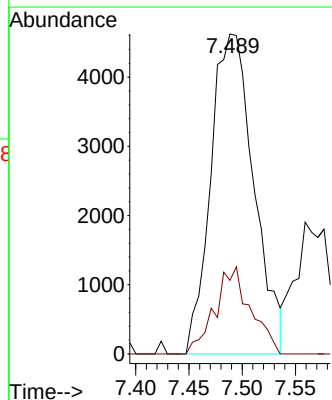
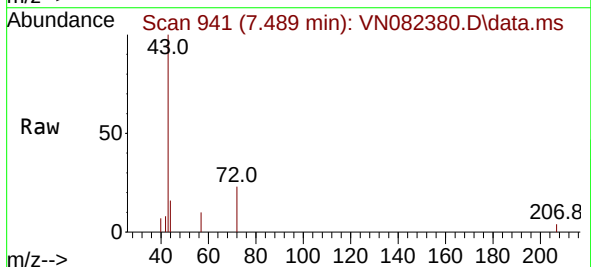
Instrument :  
MSVOA\_N  
ClientSampleId :  
RBR200057

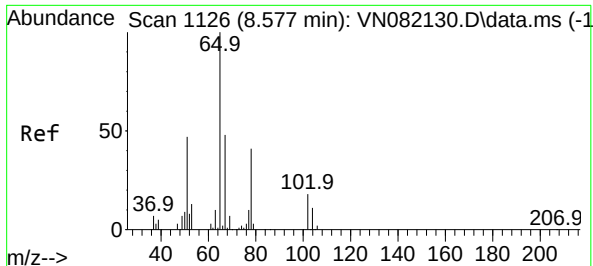
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 12250  |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 141.0 | 84.9  | 127.3# |
| 51       | 41.2  | 27.0  | 40.6#  |
| 86       | 49.7  | 52.3  | 78.5#  |



#25  
2-Butanone  
Concen: 7.405 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN082380.D  
Acq: 29 May 2024 19:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 13015 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 23.0  | 25.3  | 37.9# |

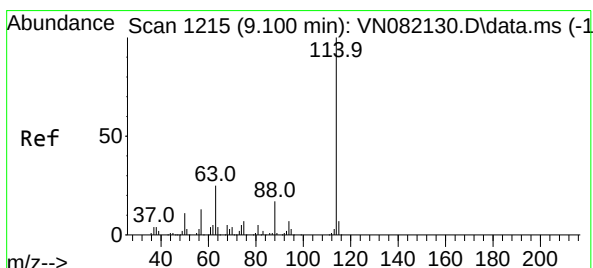
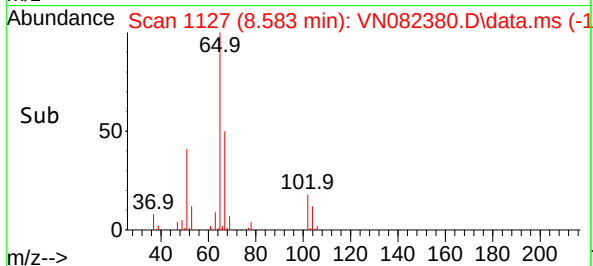
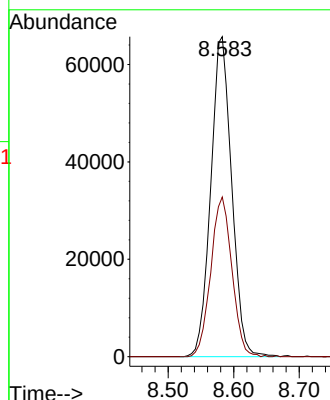
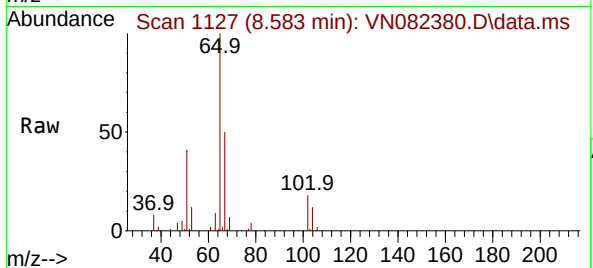




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.458 ug/l  
 RT: 8.583 min Scan# 1126  
 Delta R.T. 0.006 min  
 Lab File: VN082380.D  
 Acq: 29 May 2024 19:06

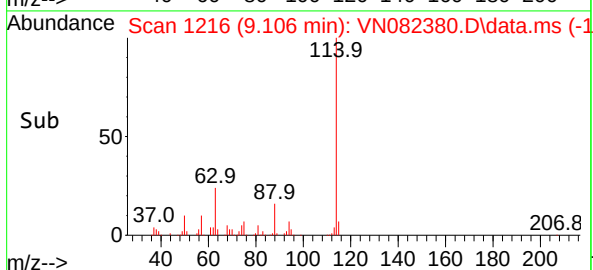
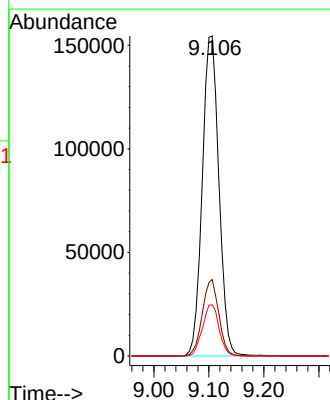
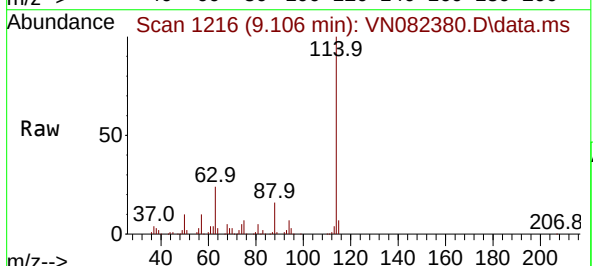
Instrument :  
 MSVOA\_N  
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 RBR200057

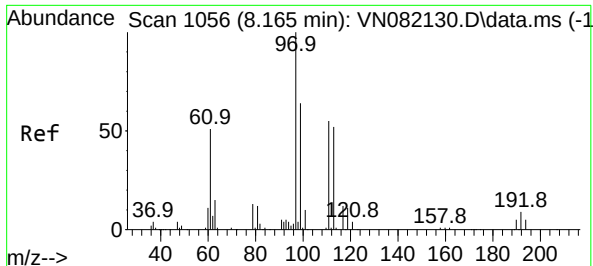
Tgt Ion: 65 Resp: 145416  
 Ion Ratio Lower Upper  
 65 100  
 67 50.4 0.0 103.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.106 min Scan# 1216  
 Delta R.T. 0.006 min  
 Lab File: VN082380.D  
 Acq: 29 May 2024 19:06

Tgt Ion: 114 Resp: 324567  
 Ion Ratio Lower Upper  
 114 100  
 63 23.9 0.0 41.0  
 88 16.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.709 ug/l

RT: 8.171 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VN082380.D

Acq: 29 May 2024 19:06

Instrument :

MSVOA\_N

ClientSampleId :

RBR200057

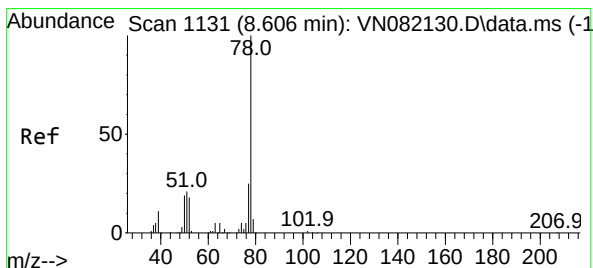
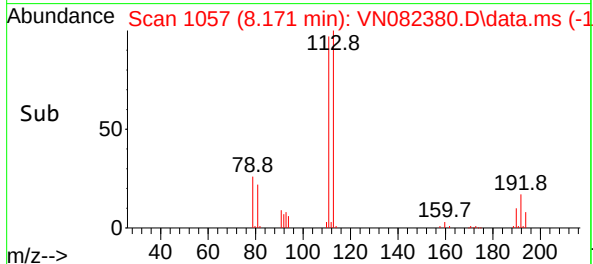
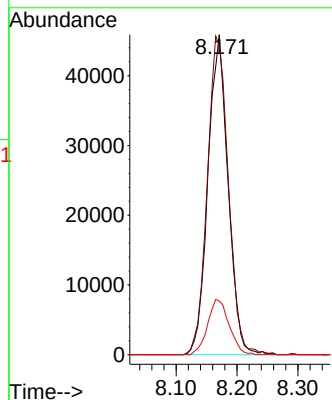
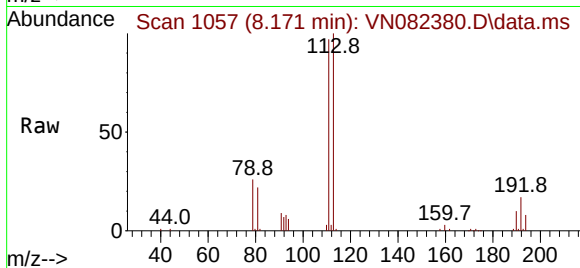
Tgt Ion:113 Resp: 105239

Ion Ratio Lower Upper

113 100

111 104.4 83.4 125.2

192 18.5 14.0 21.0



#40

Benzene

Concen: 2.427 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN082380.D

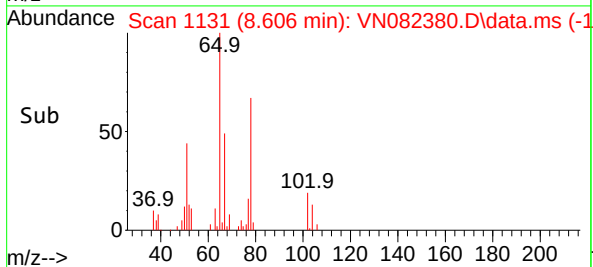
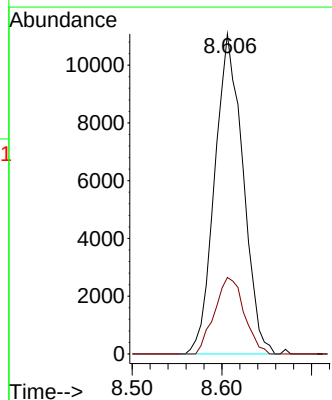
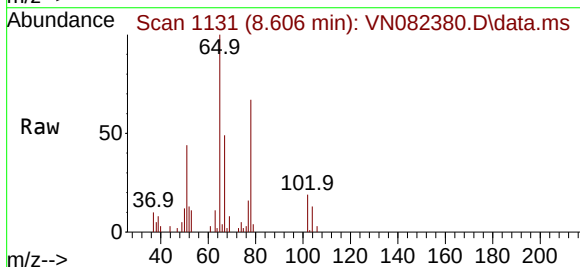
Acq: 29 May 2024 19:06

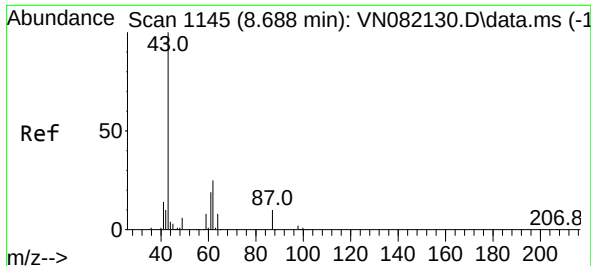
Tgt Ion: 78 Resp: 24230

Ion Ratio Lower Upper

78 100

77 23.9 20.0 30.0

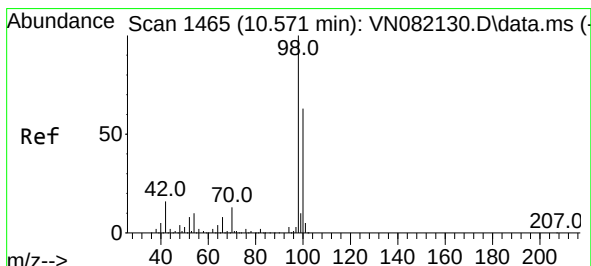
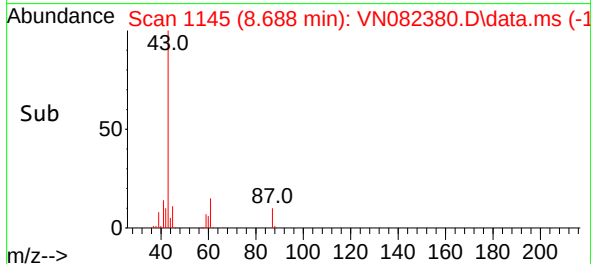
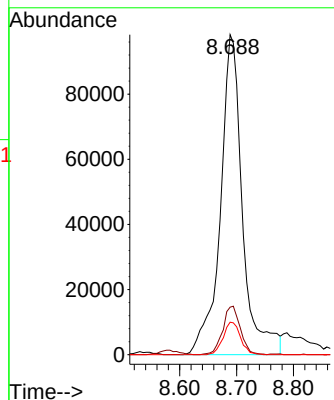
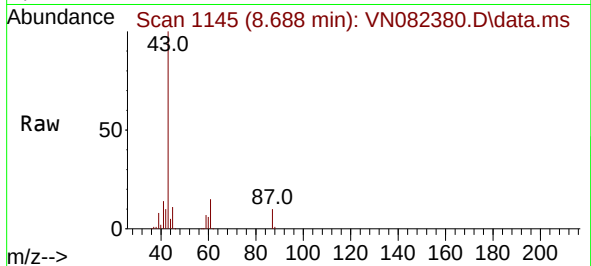




#43  
Isopropyl Acetate  
Concen: 40.013 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VN082380.D  
Acq: 29 May 2024 19:06

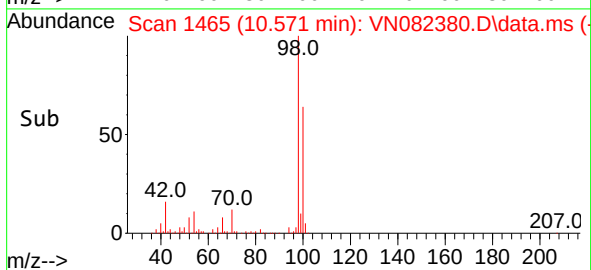
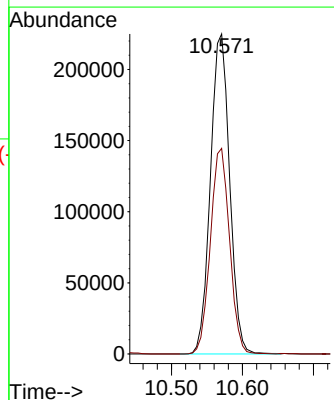
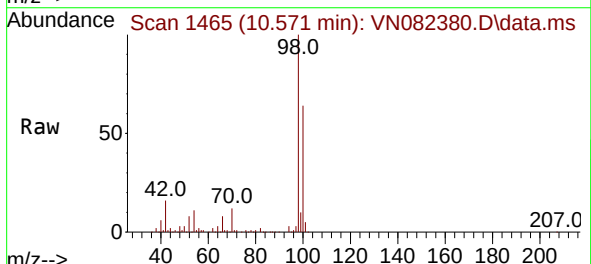
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MSVOA\_N  
ClientSampleId :  
RBR200057

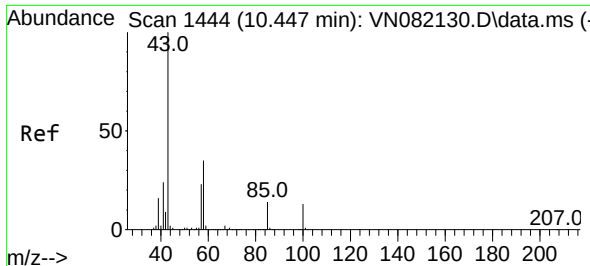
Tgt Ion: 43 Resp: 265696  
Ion Ratio Lower Upper  
43 100  
61 12.1 22.8 34.2#  
87 8.0 12.0 18.0#



#50  
Toluene-d8  
Concen: 55.122 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN082380.D  
Acq: 29 May 2024 19:06

Tgt Ion: 98 Resp: 421946  
Ion Ratio Lower Upper  
98 100  
100 64.2 51.8 77.6

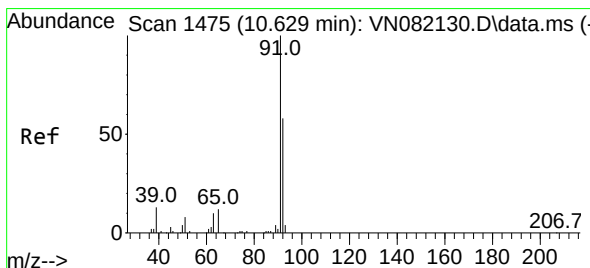
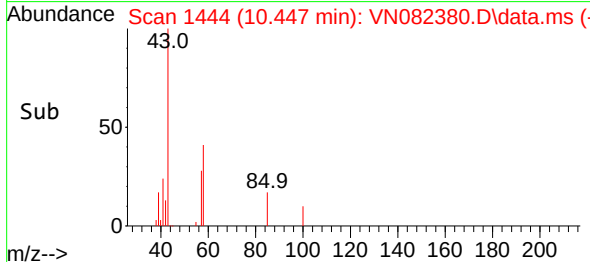
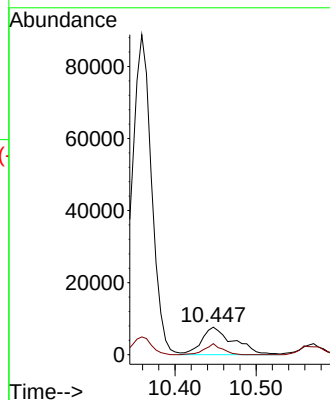
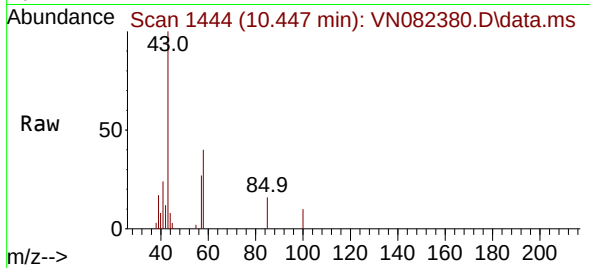




#51  
4-Methyl-2-Pentanone  
Concen: 5.533 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN082380.D  
Acq: 29 May 2024 19:06

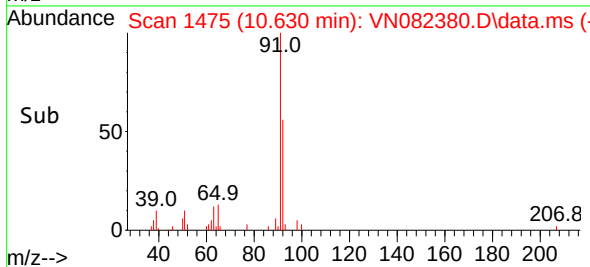
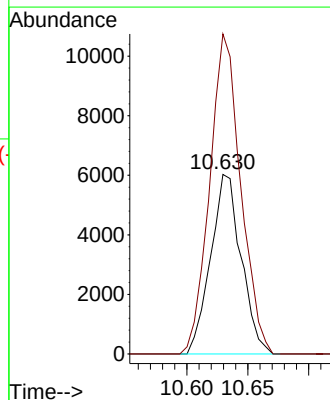
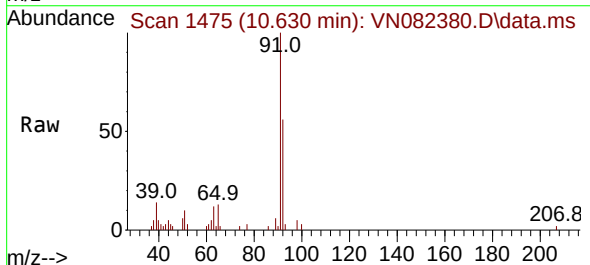
Instrument :  
MSVOA\_N  
ClientSampleId :  
RBR200057

Tgt Ion: 43 Resp: 20874  
Ion Ratio Lower Upper  
43 100  
58 21.9 33.2 49.8#

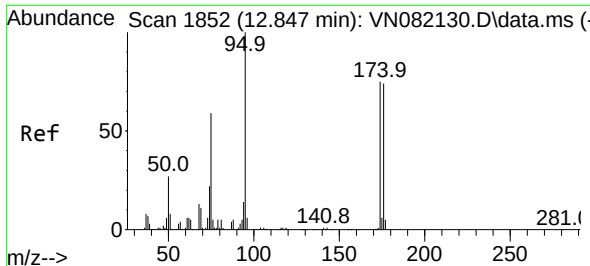


#52  
Toluene  
Concen: 1.752 ug/l  
RT: 10.630 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VN082380.D  
Acq: 29 May 2024 19:06

Tgt Ion: 92 Resp: 10497  
Ion Ratio Lower Upper  
92 100  
91 181.5 136.7 205.1



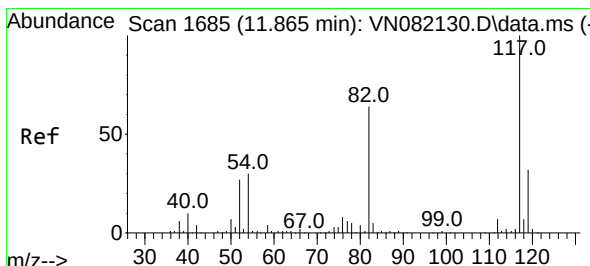
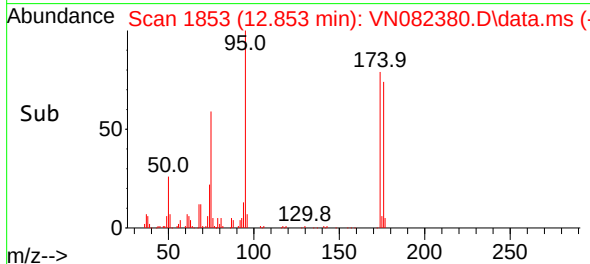
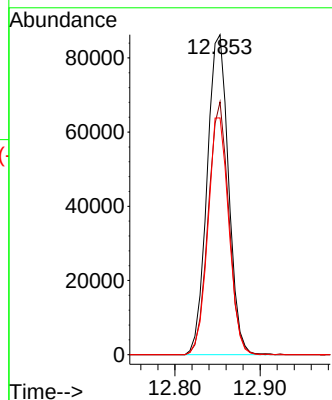
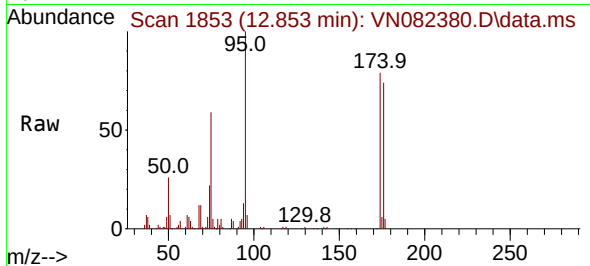




#62  
4-Bromofluorobenzene  
Concen: 55.086 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN082380.D  
Acq: 29 May 2024 19:06

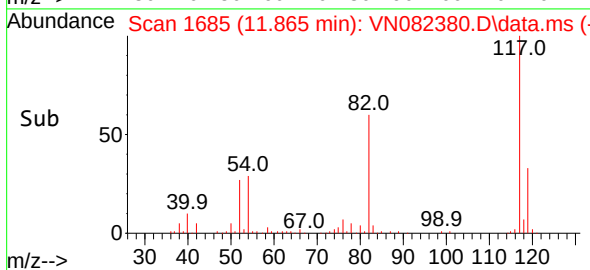
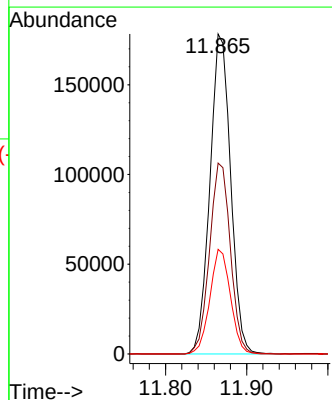
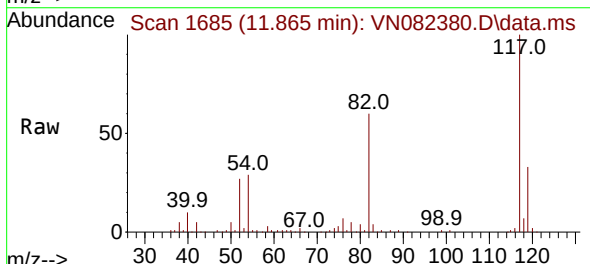
Instrument :  
MSVOA\_N  
ClientSampleId :  
RBR200057

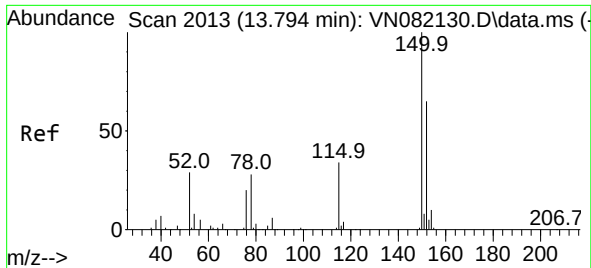
Tgt Ion: 95 Resp: 150503  
Ion Ratio Lower Upper  
95 100  
174 75.6 0.0 160.6  
176 72.4 0.0 152.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN082380.D  
Acq: 29 May 2024 19:06

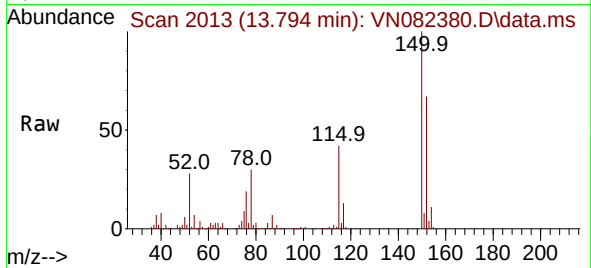
Tgt Ion: 117 Resp: 315985  
Ion Ratio Lower Upper  
117 100  
82 59.7 44.6 66.8  
119 32.7 25.9 38.9





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN082380.D  
 Acq: 29 May 2024 19:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RBR200057



Tgt Ion:152 Resp: 136810  
 Ion Ratio Lower Upper  
 152 100  
 115 61.0 30.4 91.3  
 150 156.0 0.0 353.2

