

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051624\  
 Data File : VN082166.D  
 Acq On : 16 May 2024 16:54  
 Operator : JC\MD  
 Sample : PB160937ZHE#01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB160937ZHE#01

Quant Time: May 17 05:04:41 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 17 04:08:43 2024  
 Response via : Initial Calibration

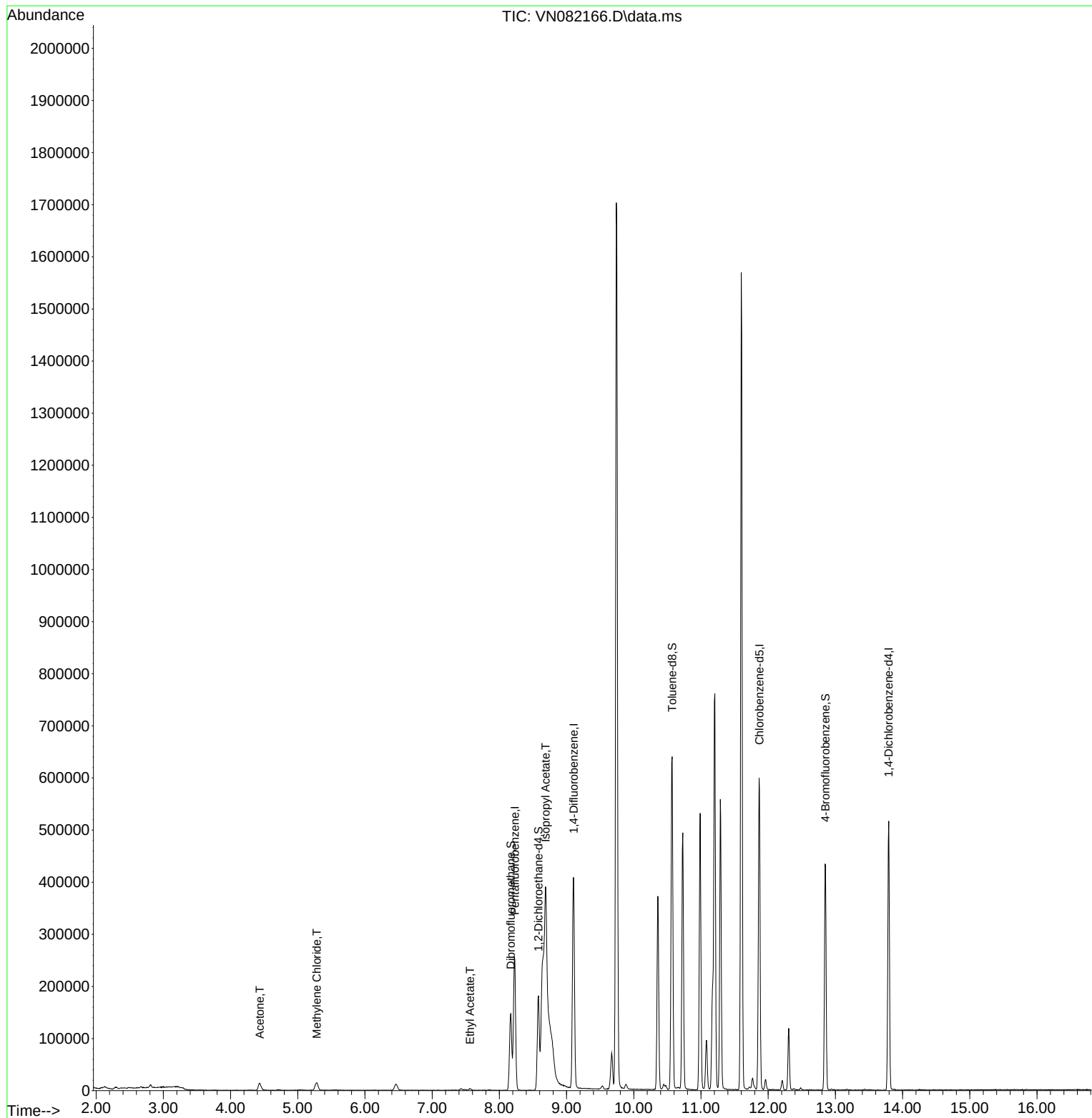
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.229  | 168   | 177768   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 325053   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.870 | 117   | 309256   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 126830   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 149202   | 53.153   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 106.300% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 103175   | 51.598   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 103.200% |
| 50) Toluene-d8              | 10.571 | 98    | 417652   | 54.480   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 108.960% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 139852   | 51.111   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | =      | 102.220% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          |        | Qvalue   |
| 16) Acetone                 | 4.436  | 43    | 26555    | 23.062   | ug/l   | 91       |
| 20) Methylene Chloride      | 5.283  | 84    | 10458    | 4.501    | ug/l # | 81       |
| 37) Ethyl Acetate           | 7.565  | 43    | 4785     | 1.275    | ug/l # | 82       |
| 43) Isopropyl Acetate       | 8.688  | 43    | 952908   | 143.290  | ug/l # | 59       |
| -----                       |        |       |          |          |        |          |

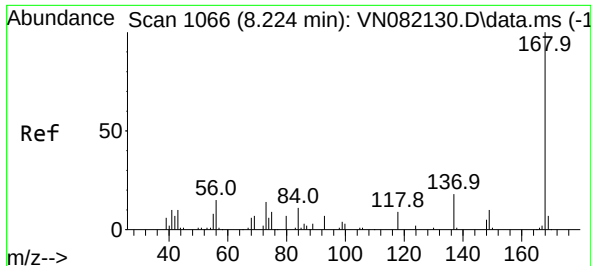
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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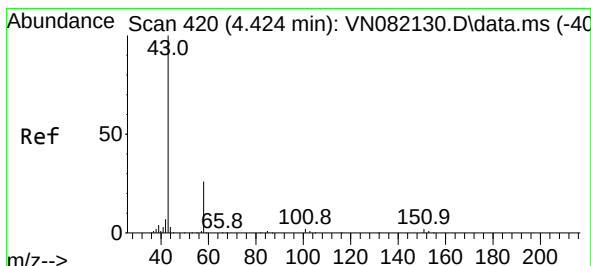
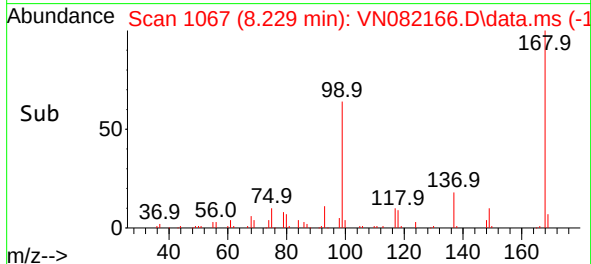
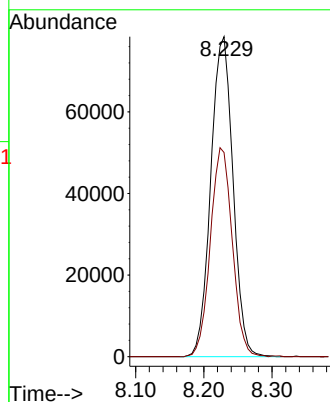
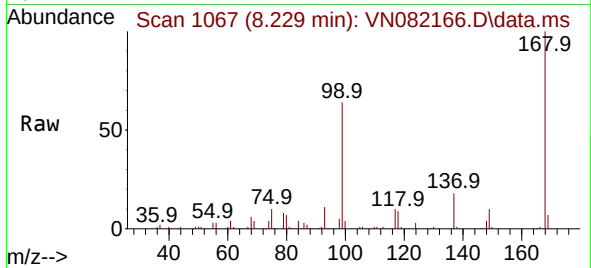




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.229 min Scan# 1066  
Delta R.T. 0.005 min  
Lab File: VN082166.D  
Acq: 16 May 2024 16:54

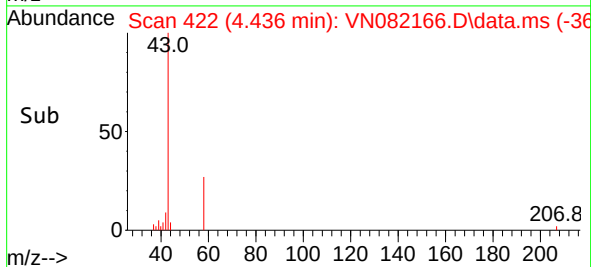
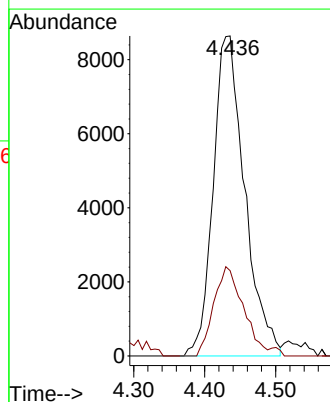
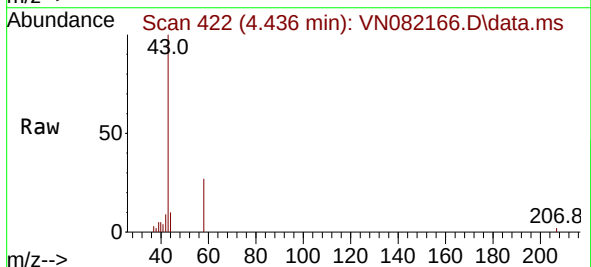
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB160937ZHE#01

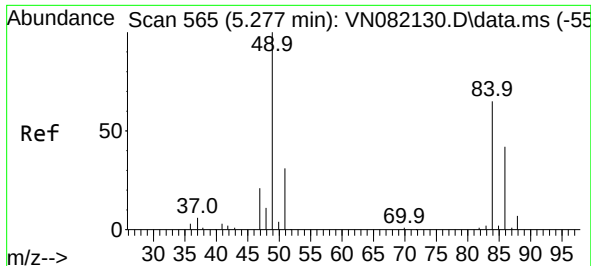
Tgt Ion:168 Resp: 177768  
Ion Ratio Lower Upper  
168 100  
99 63.8 48.2 72.4



#16  
Acetone  
Concen: 23.062 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.012 min  
Lab File: VN082166.D  
Acq: 16 May 2024 16:54

Tgt Ion: 43 Resp: 26555  
Ion Ratio Lower Upper  
43 100  
58 26.7 25.2 37.8

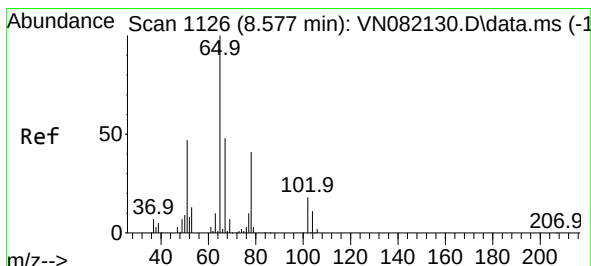
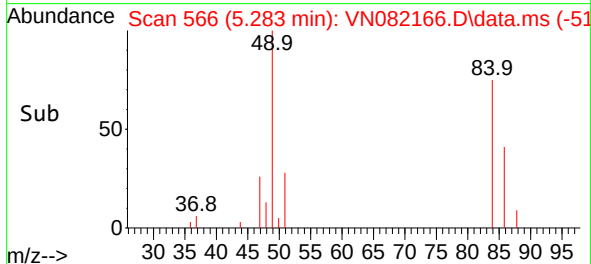
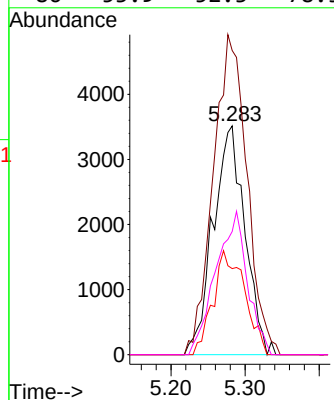
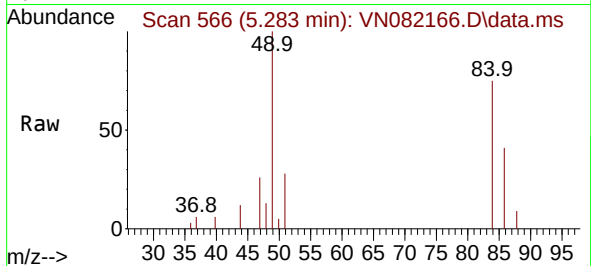




#20  
Methylene Chloride  
Concen: 4.501 ug/l  
RT: 5.283 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN082166.D  
Acq: 16 May 2024 16:54

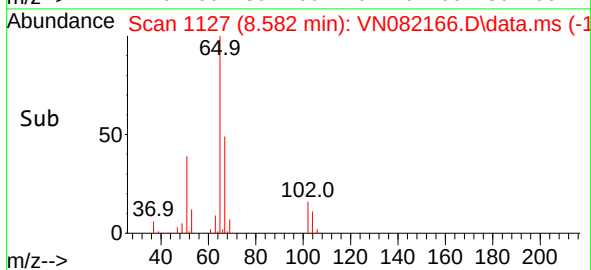
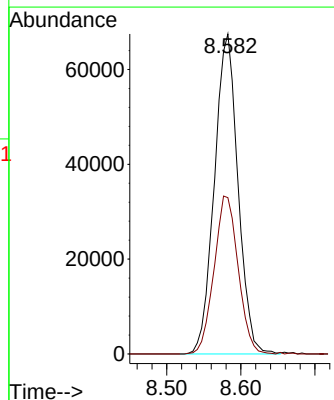
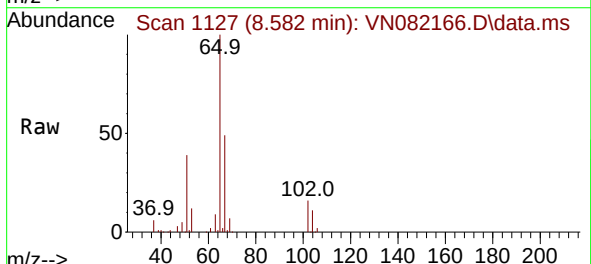
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB160937ZHE#01

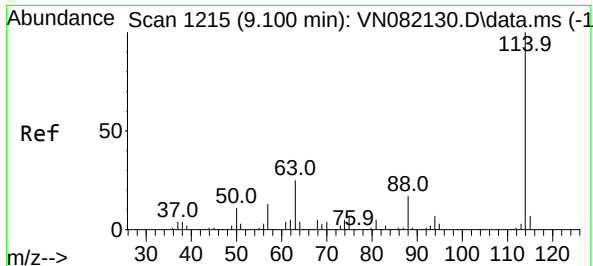
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 10458 |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 133.0    | 84.9 127.3# |
| 51 37.6     | 27.0 40.6   |
| 86 53.9     | 52.3 78.5   |



#33  
1,2-Dichloroethane-d4  
Concen: 53.153 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VN082166.D  
Acq: 16 May 2024 16:54

|             |              |
|-------------|--------------|
| Tgt Ion: 65 | Resp: 149202 |
| Ion Ratio   | Lower Upper  |
| 65 100      |              |
| 67 50.3     | 0.0 103.0    |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN082166.D

Acq: 16 May 2024 16:54

Instrument :

MSVOA\_N

ClientSampleId :

PB160937ZHE#01

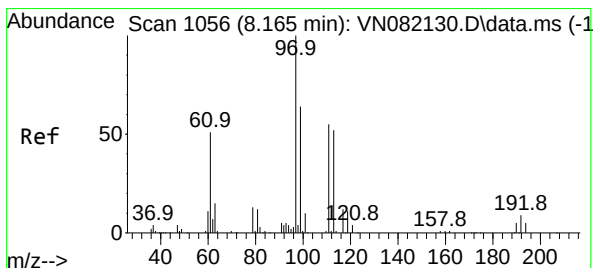
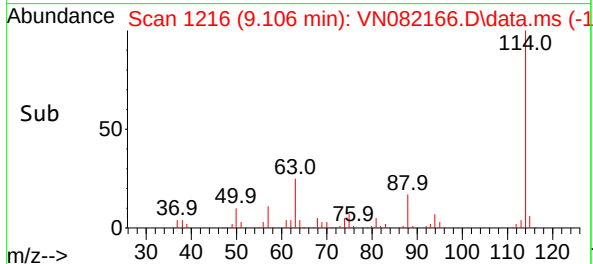
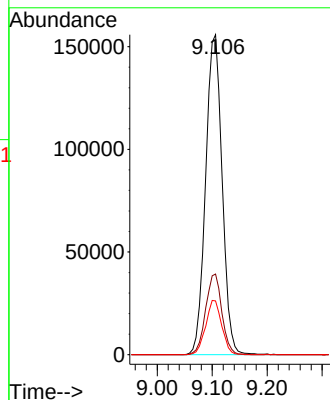
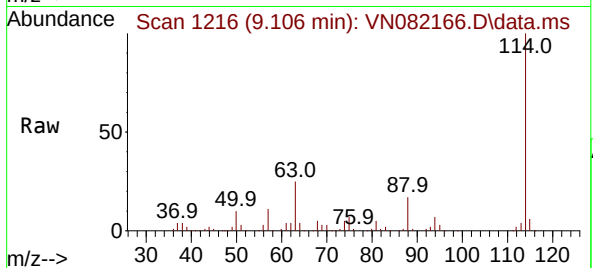
Tgt Ion:114 Resp: 325053

Ion Ratio Lower Upper

114 100

63 25.2 0.0 41.0

88 16.8 0.0 31.4



#35

Dibromofluoromethane

Concen: 51.598 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082166.D

Acq: 16 May 2024 16:54

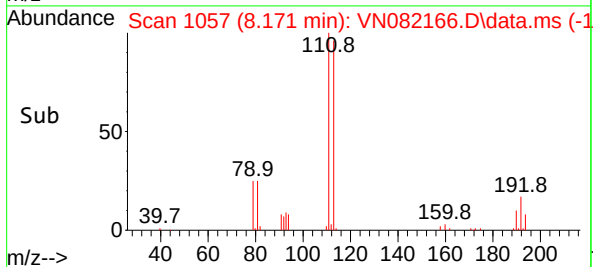
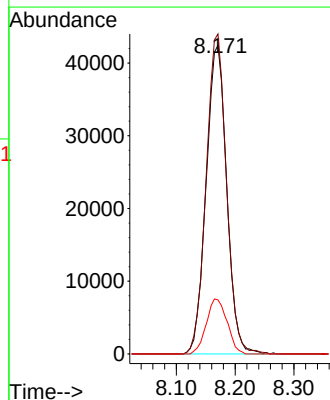
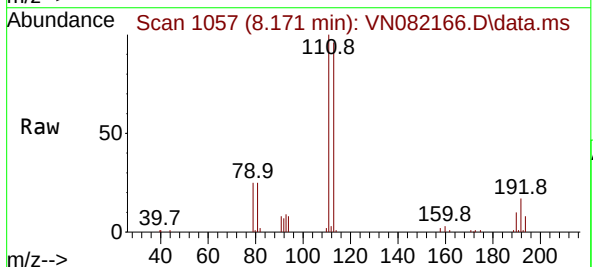
Tgt Ion:113 Resp: 103175

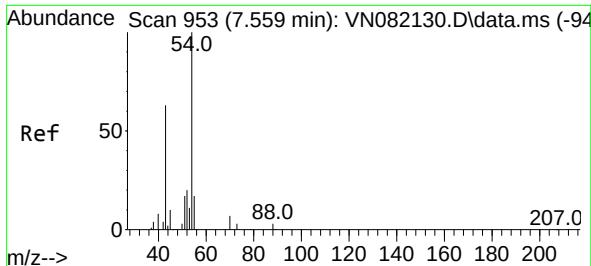
Ion Ratio Lower Upper

113 100

111 102.3 83.4 125.2

192 17.9 14.0 21.0





#37

Ethyl Acetate

Concen: 1.275 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN082166.D

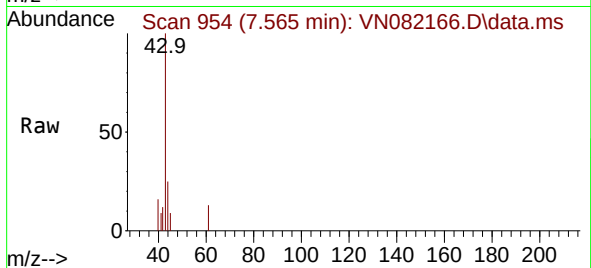
Acq: 16 May 2024 16:54

Instrument :

MSVOA\_N

ClientSampleId :

PB160937ZHE#01



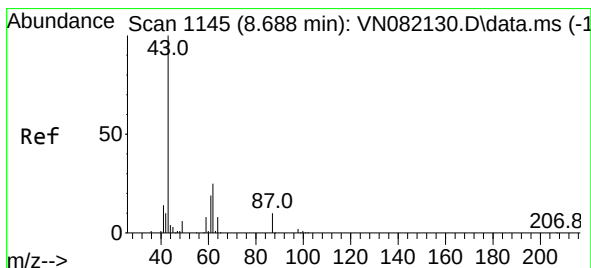
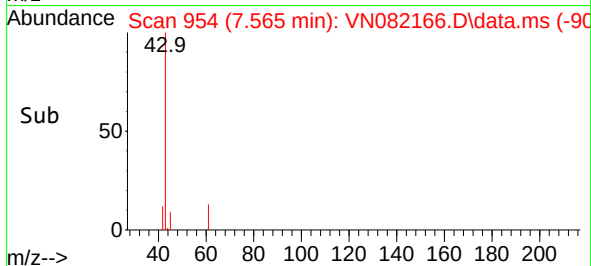
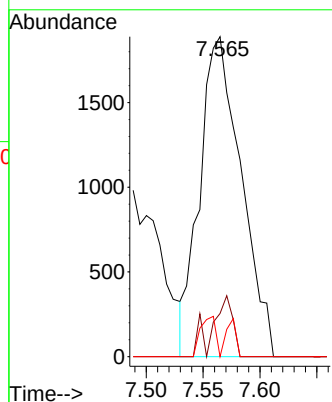
Tgt Ion: 43 Resp: 4785

Ion Ratio Lower Upper

43 100

61 7.6 11.3 16.9#

70 2.8 8.7 13.1#



#43

Isopropyl Acetate

Concen: 143.290 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN082166.D

Acq: 16 May 2024 16:54

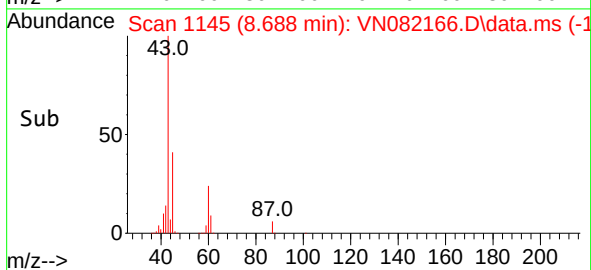
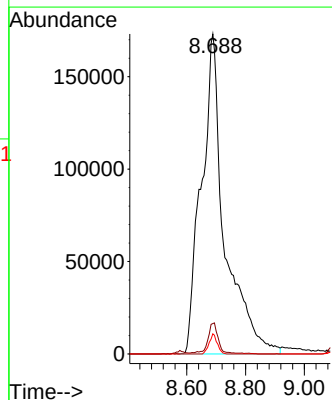
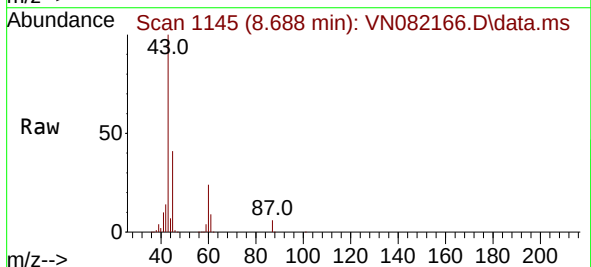
Tgt Ion: 43 Resp: 952908

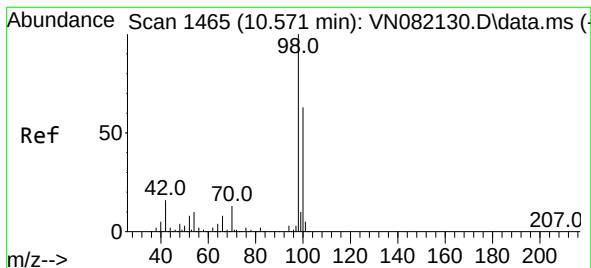
Ion Ratio Lower Upper

43 100

61 4.1 22.8 34.2#

87 2.2 12.0 18.0#

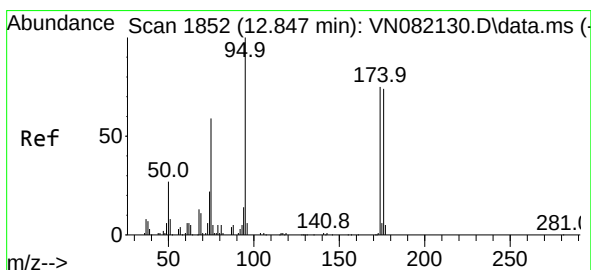
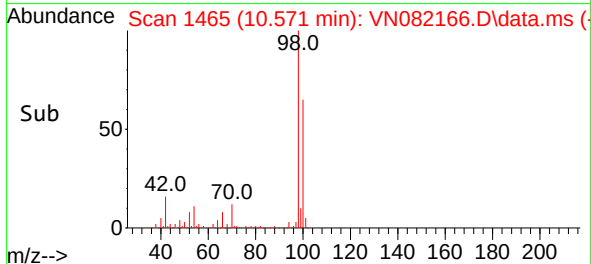
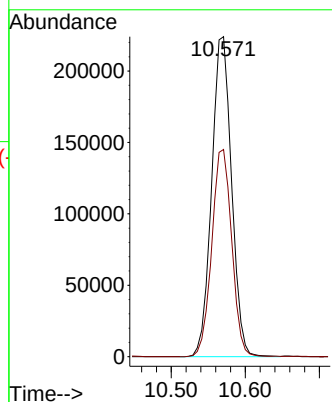
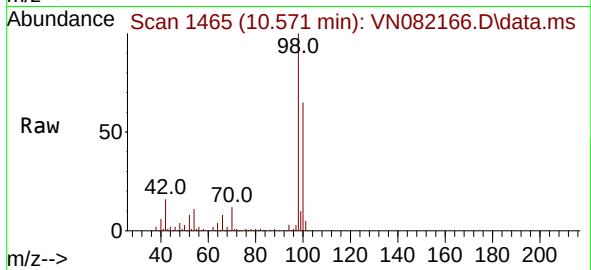




#50  
Toluene-d8  
Concen: 54.480 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN082166.D  
Acq: 16 May 2024 16:54

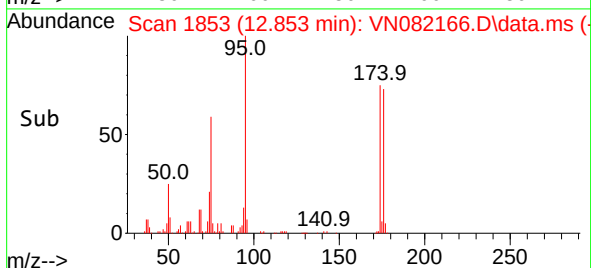
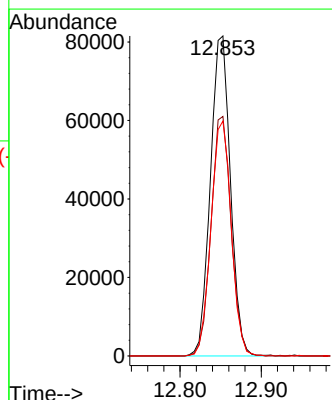
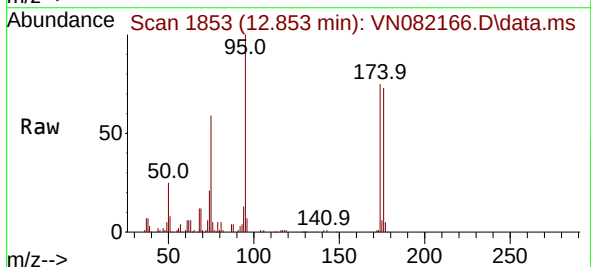
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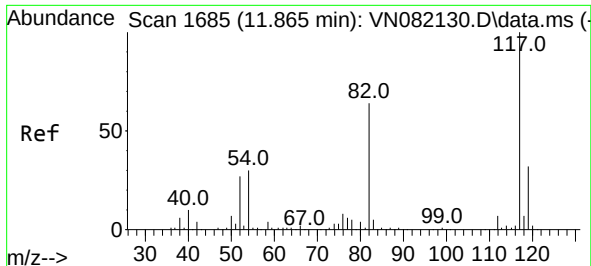
Tgt Ion: 98 Resp: 417652  
Ion Ratio Lower Upper  
98 100  
100 64.9 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 51.111 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN082166.D  
Acq: 16 May 2024 16:54

Tgt Ion: 95 Resp: 139852  
Ion Ratio Lower Upper  
95 100  
174 74.8 0.0 160.6  
176 74.1 0.0 152.8

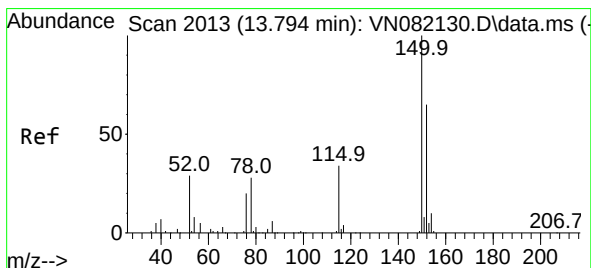
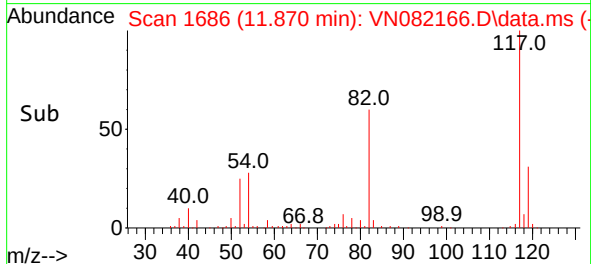
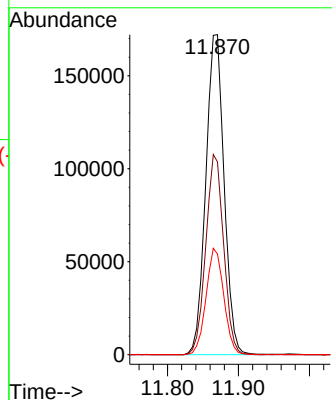
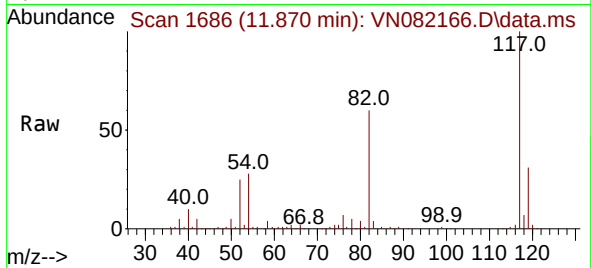




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 117  
Delta R.T. 0.006 min  
Lab File: VN082166.D  
Acq: 16 May 2024 16:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB160937ZHE#01

Tgt Ion:117 Resp: 309256  
Ion Ratio Lower Upper  
117 100  
82 60.3 44.6 66.8  
119 31.5 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: VN082166.D  
Acq: 16 May 2024 16:54

Tgt Ion:152 Resp: 126830  
Ion Ratio Lower Upper  
152 100  
115 61.5 30.4 91.3  
150 158.2 0.0 353.2

