

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060324\  
 Data File : VN082432.D  
 Acq On : 03 Jun 2024 14:23  
 Operator : JC\MD  
 Sample : PB161254TB  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB161254TB

Quant Time: Jun 04 00:28:45 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

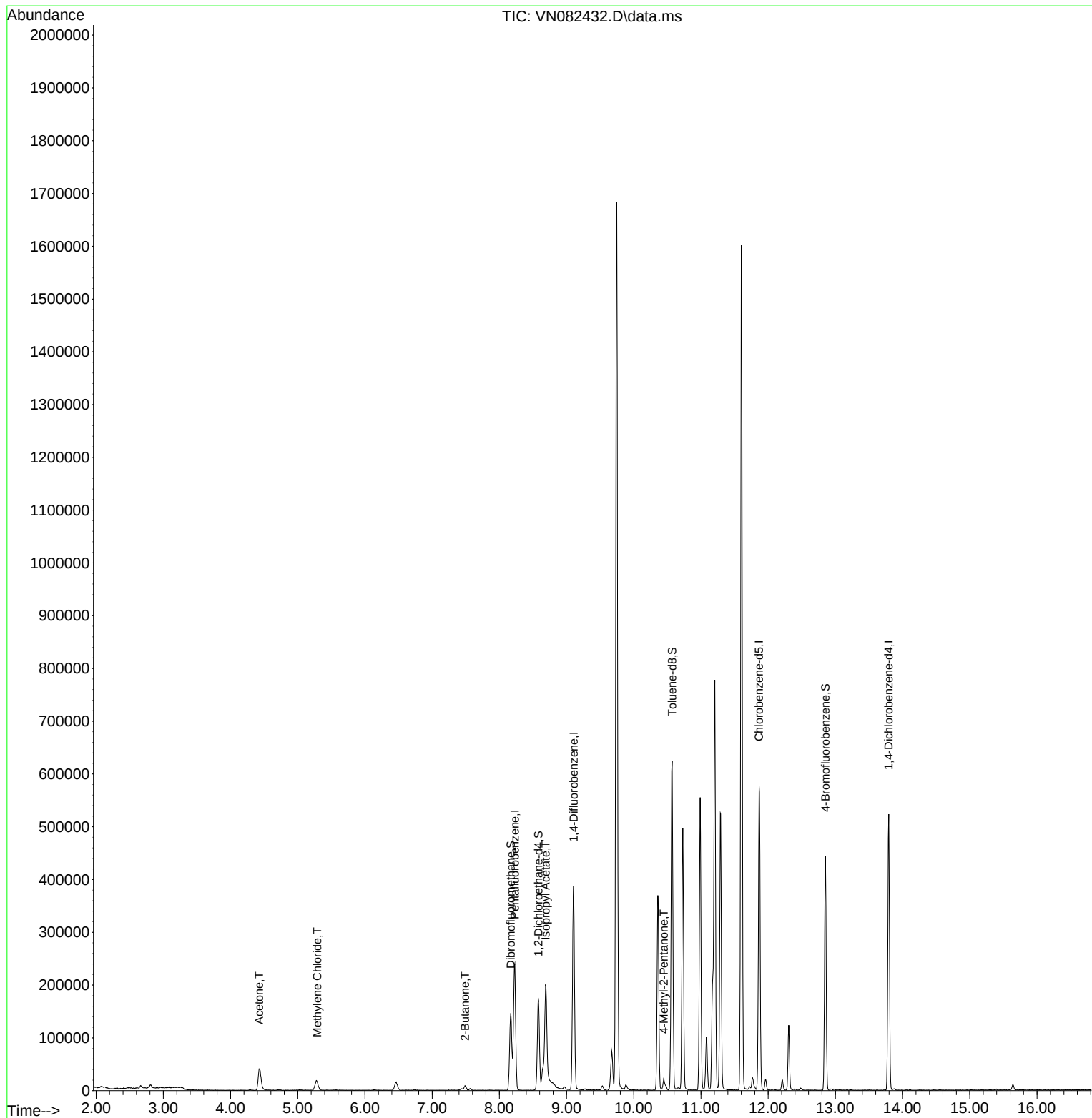
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.230     | 168   | 167130   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106     | 114   | 304543   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.865    | 117   | 304831   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794    | 152   | 128866   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.582     | 65    | 141537   | 53.632   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 74 - 125 | Recovery | = 107.260% |          |
| 35) Dibromofluoromethane    | 8.171     | 113   | 100289   | 53.533   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | = 107.060% |          |
| 50) Toluene-d8              | 10.571    | 98    | 401845   | 55.948   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 86 - 113 | Recovery | = 111.900% |          |
| 62) 4-Bromofluorobenzene    | 12.853    | 95    | 139027   | 54.231   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 64 - 133 | Recovery | = 108.460% |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          | Qvalue     |          |
| 16) Acetone                 | 4.424     | 43    | 81634    | 75.407   | ug/l       | 94       |
| 20) Methylene Chloride      | 5.289     | 84    | 13101    | 5.998    | ug/l       | 87       |
| 25) 2-Butanone              | 7.488     | 43    | 13981    | 8.518    | ug/l #     | 74       |
| 43) Isopropyl Acetate       | 8.688     | 43    | 309078   | 49.606   | ug/l #     | 72       |
| 51) 4-Methyl-2-Pentanone    | 10.447    | 43    | 20762    | 5.865    | ug/l #     | 71       |
| -----                       |           |       |          |          |            |          |

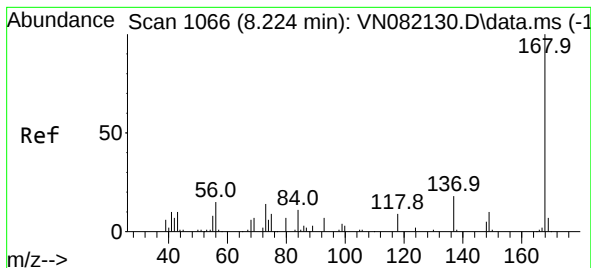
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
Quant Title : SW846 8260  
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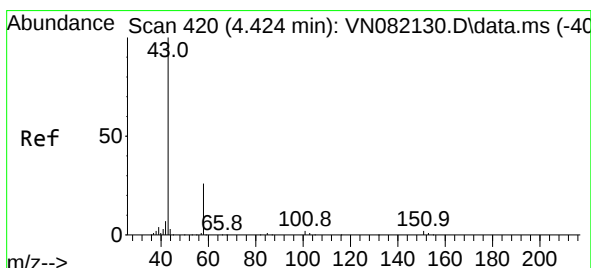
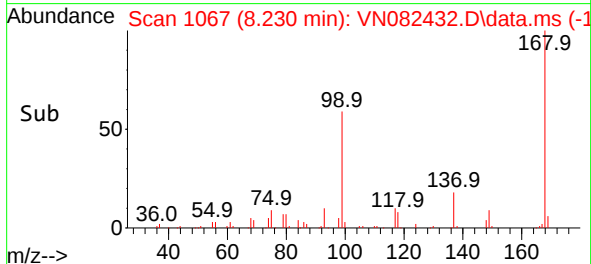
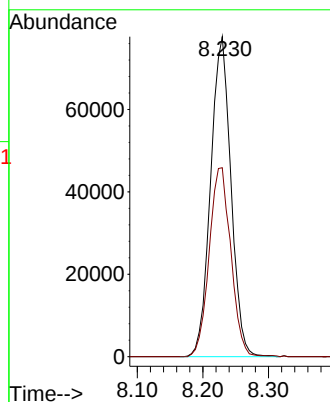
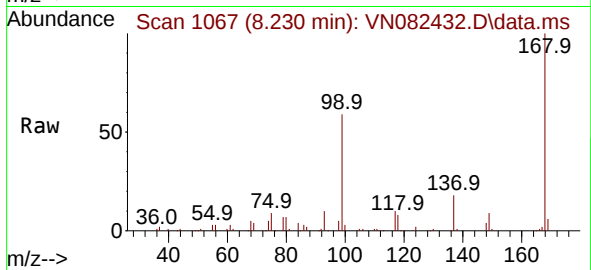




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN082432.D  
Acq: 03 Jun 2024 14:23

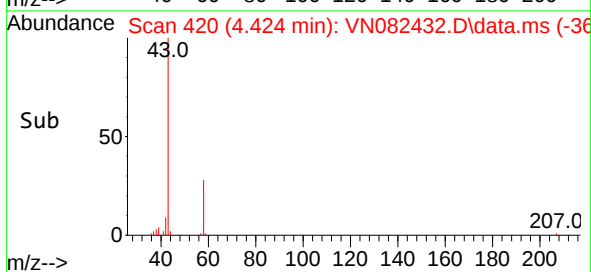
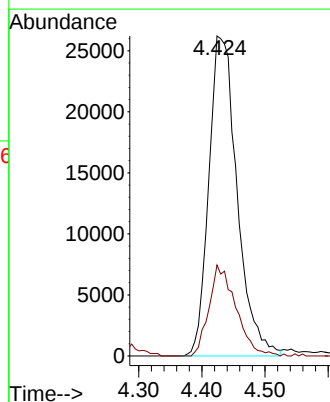
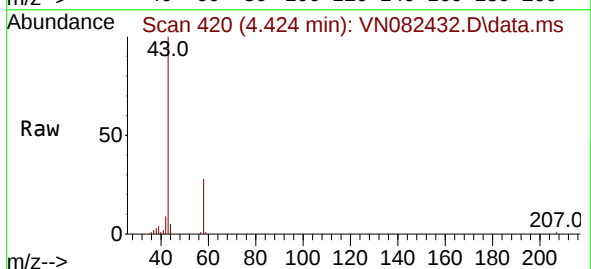
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB161254TB

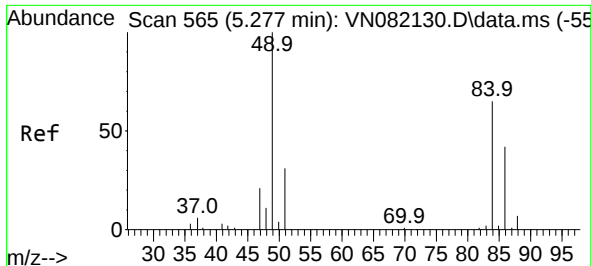
Tgt Ion:168 Resp: 167130  
Ion Ratio Lower Upper  
168 100  
99 59.1 48.2 72.4



#16  
Acetone  
Concen: 75.407 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. -0.000 min  
Lab File: VN082432.D  
Acq: 03 Jun 2024 14:23

Tgt Ion: 43 Resp: 81634  
Ion Ratio Lower Upper  
43 100  
58 28.4 25.2 37.8

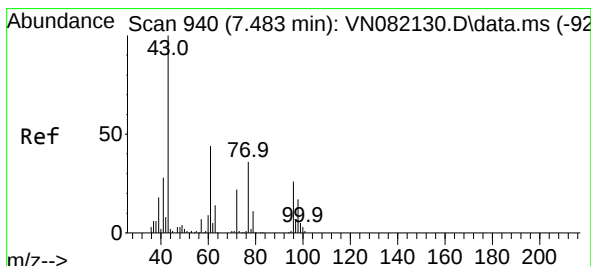
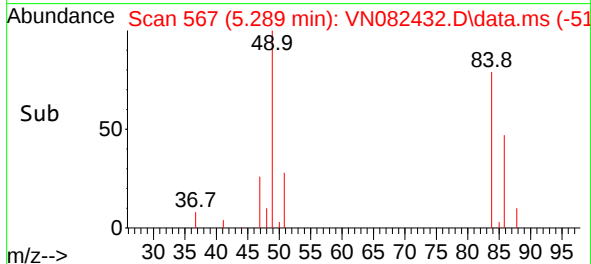
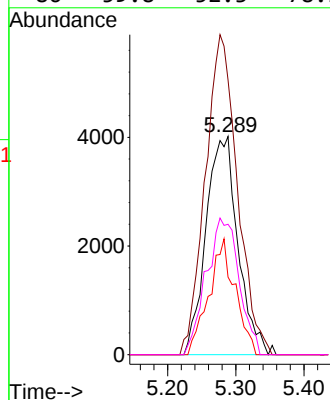
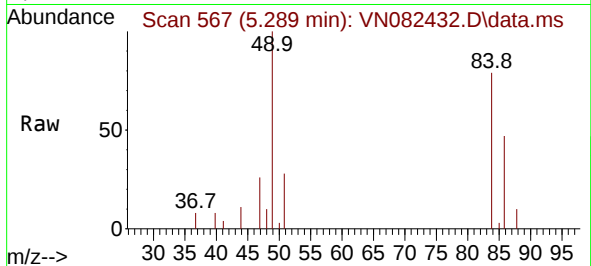




#20  
Methylene Chloride  
Concen: 5.998 ug/l  
RT: 5.289 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VN082432.D  
Acq: 03 Jun 2024 14:23

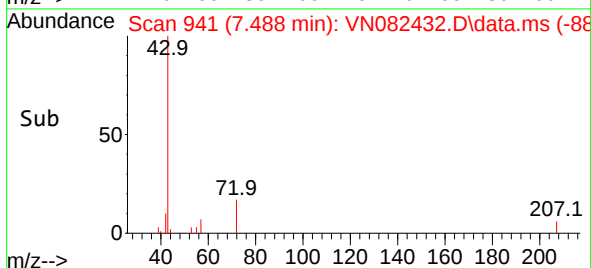
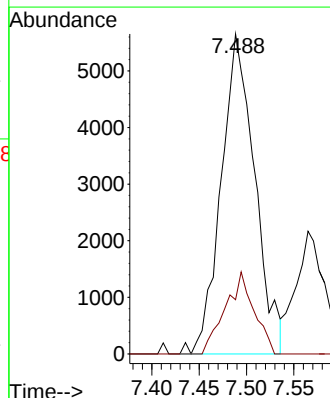
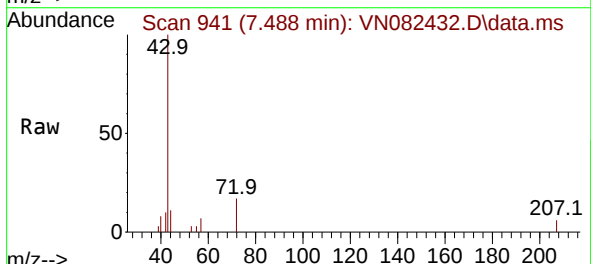
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB161254TB

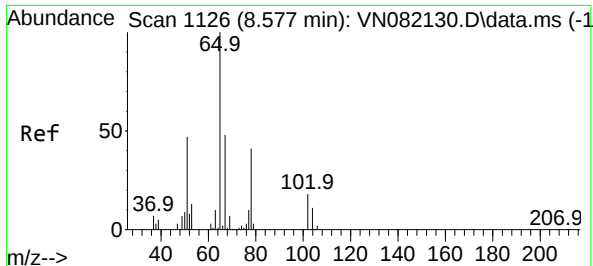
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 13101 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 125.9 | 84.9  | 127.3 |
| 51       | 35.6  | 27.0  | 40.6  |
| 86       | 59.8  | 52.3  | 78.5  |



#25  
2-Butanone  
Concen: 8.518 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN082432.D  
Acq: 03 Jun 2024 14:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 13981 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 17.0  | 25.3  | 37.9# |





#33

1,2-Dichloroethane-d4

Concen: 53.632 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082432.D

Acq: 03 Jun 2024 14:23

Instrument :

MSVOA\_N

ClientSampleId :

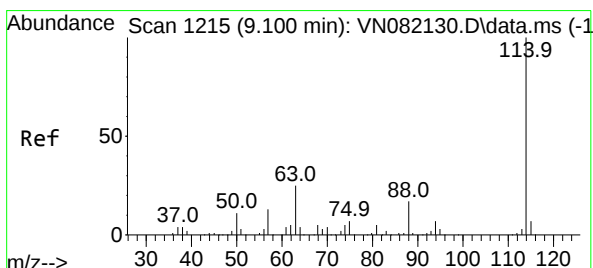
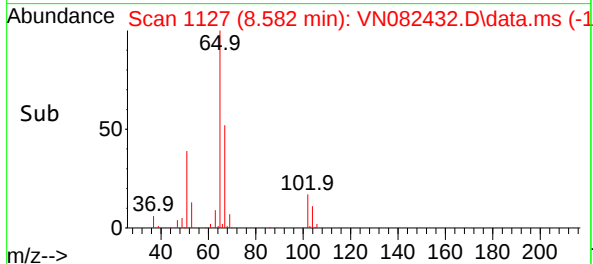
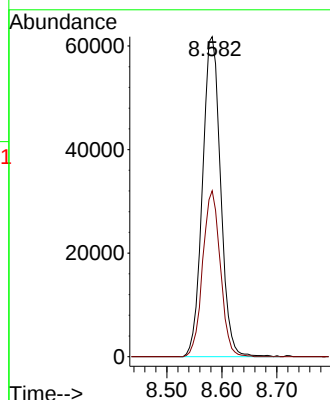
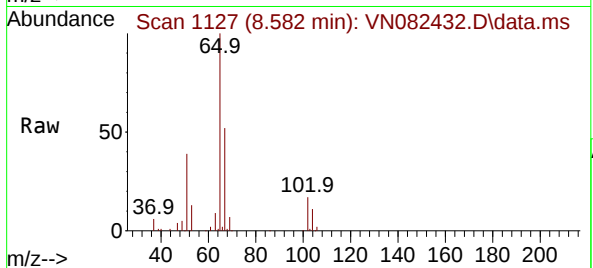
PB161254TB

Tgt Ion: 65 Resp: 141537

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: VN082432.D

Acq: 03 Jun 2024 14:23

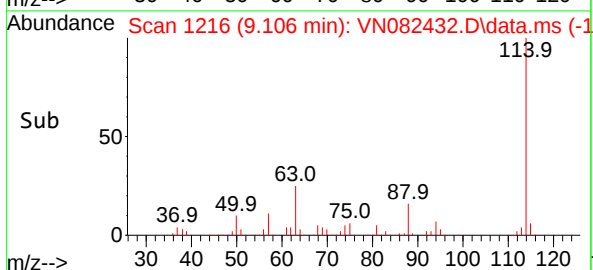
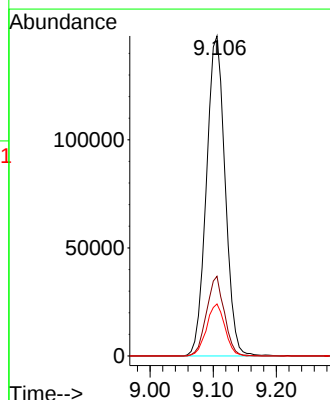
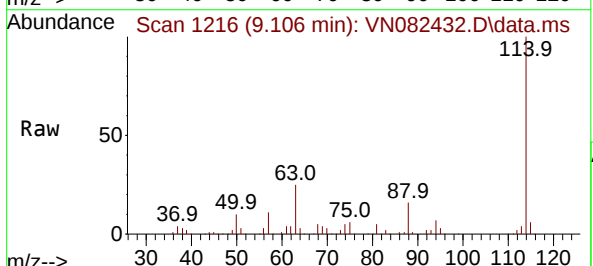
Tgt Ion: 114 Resp: 304543

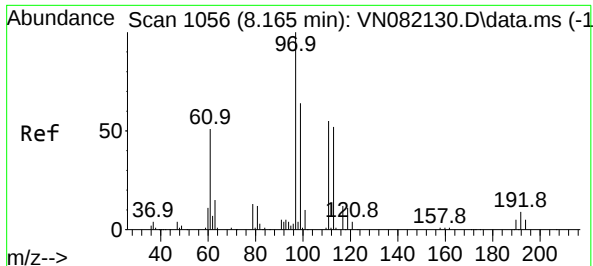
Ion Ratio Lower Upper

114 100

63 24.9 0.0 41.0

88 16.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.533 ug/l

RT: 8.171 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VN082432.D

Acq: 03 Jun 2024 14:23

Instrument :

MSVOA\_N

ClientSampleId :

PB161254TB

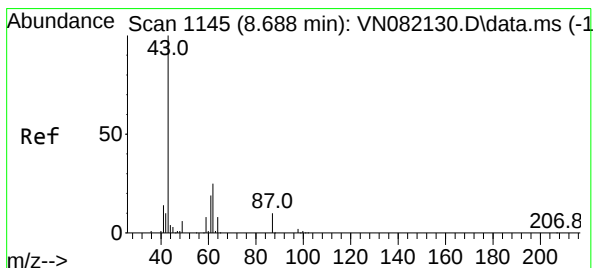
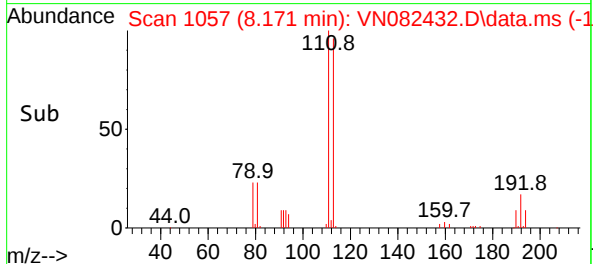
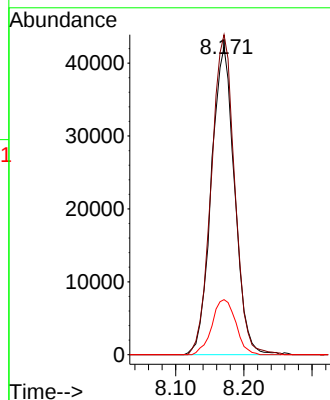
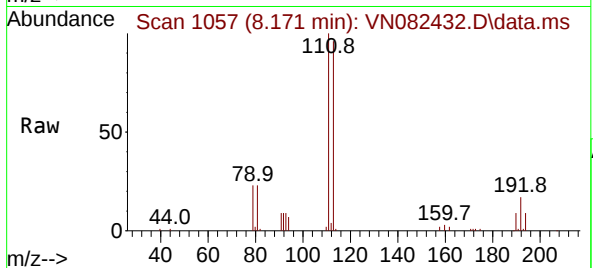
Tgt Ion:113 Resp: 100289

Ion Ratio Lower Upper

113 100

111 104.3 83.4 125.2

192 18.3 14.0 21.0



#43

Isopropyl Acetate

Concen: 49.606 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN082432.D

Acq: 03 Jun 2024 14:23

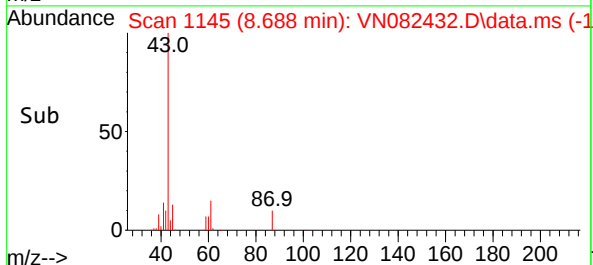
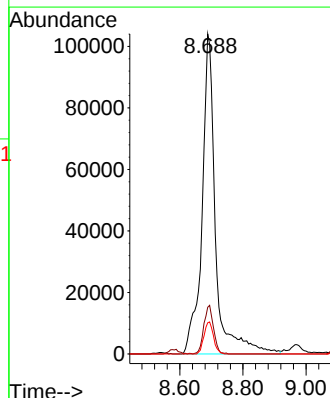
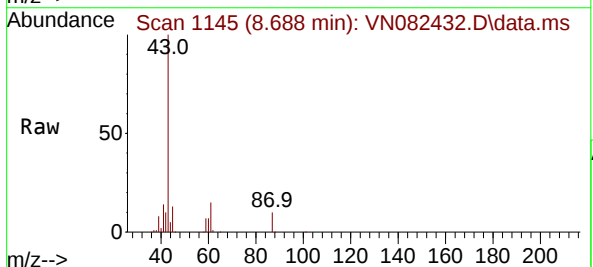
Tgt Ion: 43 Resp: 309078

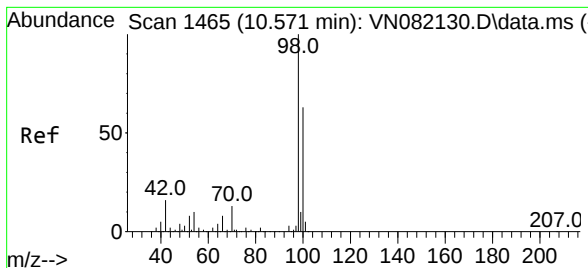
Ion Ratio Lower Upper

43 100

61 10.9 22.8 34.2#

87 7.1 12.0 18.0#

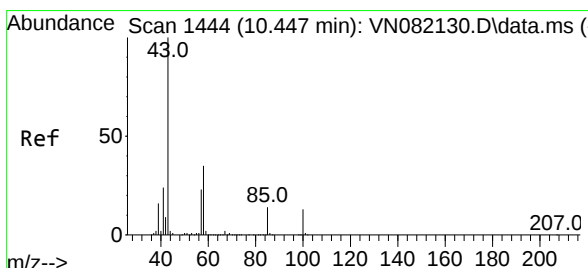
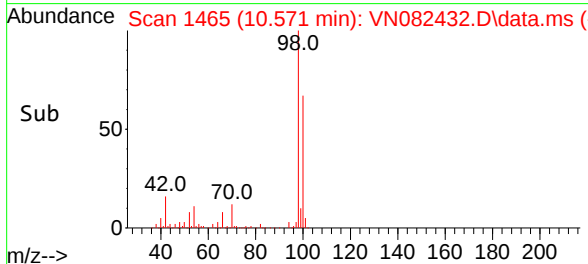
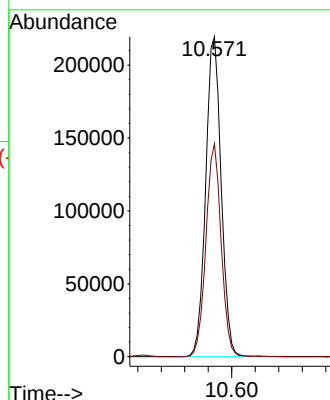
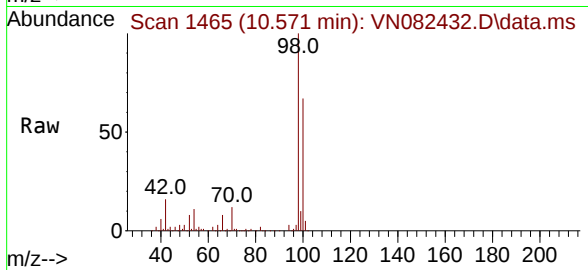




#50  
Toluene-d8  
Concen: 55.948 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN082432.D  
Acq: 03 Jun 2024 14:23

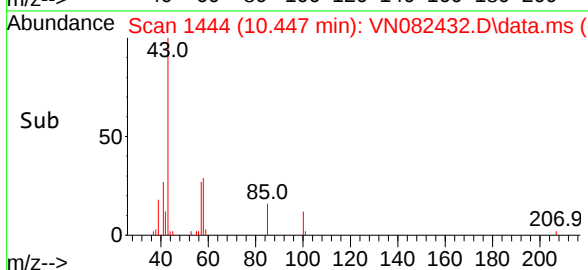
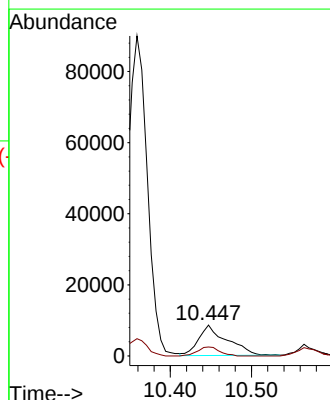
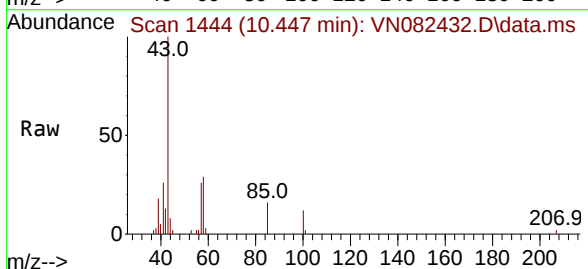
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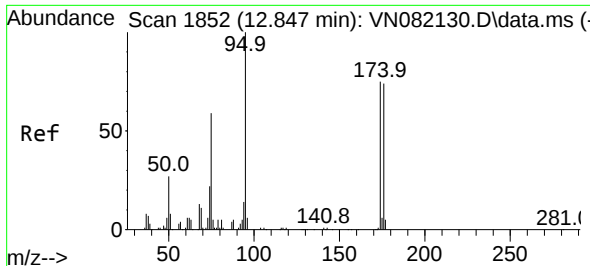
Tgt Ion: 98 Resp: 401845  
Ion Ratio Lower Upper  
98 100  
100 65.6 51.8 77.6



#51  
4-Methyl-2-Pentanone  
Concen: 5.865 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. -0.000 min  
Lab File: VN082432.D  
Acq: 03 Jun 2024 14:23

Tgt Ion: 43 Resp: 20762  
Ion Ratio Lower Upper  
43 100  
58 23.0 33.2 49.8#

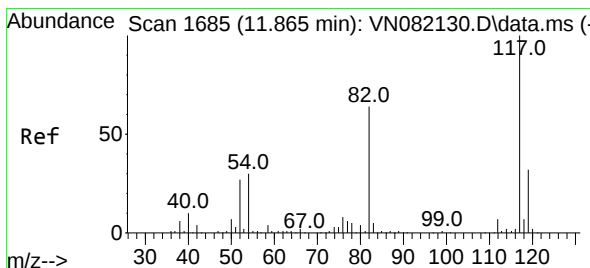
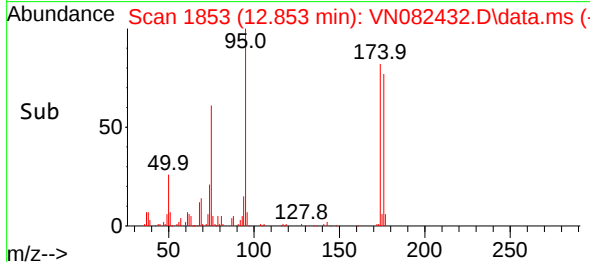
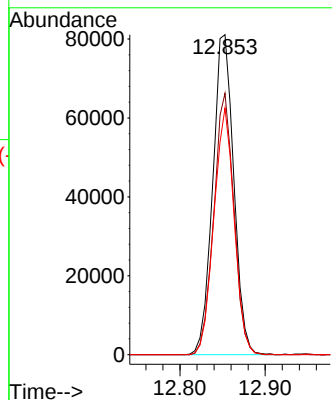
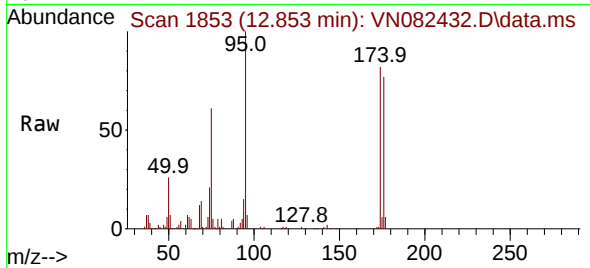




#62  
4-Bromofluorobenzene  
Concen: 54.231 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN082432.D  
Acq: 03 Jun 2024 14:23

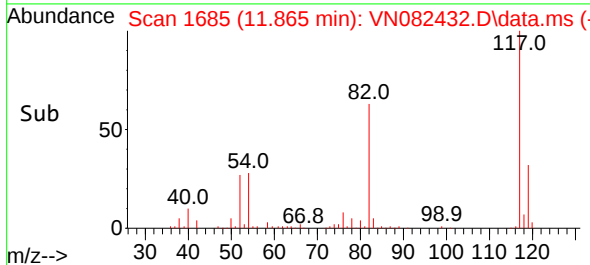
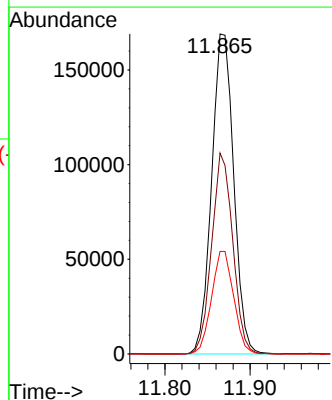
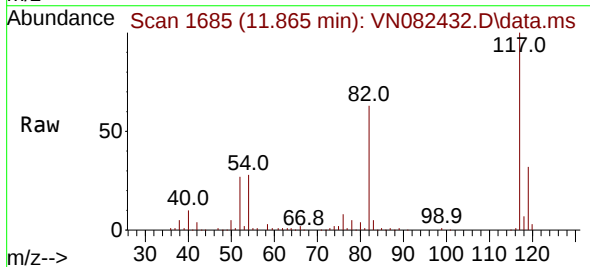
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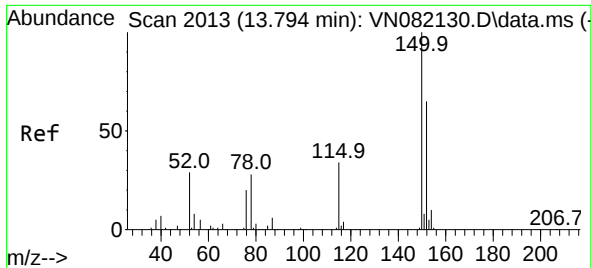
Tgt Ion: 95 Resp: 139027  
Ion Ratio Lower Upper  
95 100  
174 78.5 0.0 160.6  
176 74.3 0.0 152.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN082432.D  
Acq: 03 Jun 2024 14:23

Tgt Ion: 117 Resp: 304831  
Ion Ratio Lower Upper  
117 100  
82 62.8 44.6 66.8  
119 32.1 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: VN082432.D  
 Acq: 03 Jun 2024 14:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB161254TB

Tgt Ion:152 Resp: 128866  
 Ion Ratio Lower Upper  
 152 100  
 115 61.7 30.4 91.3  
 150 158.8 0.0 353.2

