

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060324\  
 Data File : VN082433.D  
 Acq On : 03 Jun 2024 14:47  
 Operator : JC\MD  
 Sample : PB161254ZHE#01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB161254ZHE#01

Quant Time: Jun 04 00:29:14 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

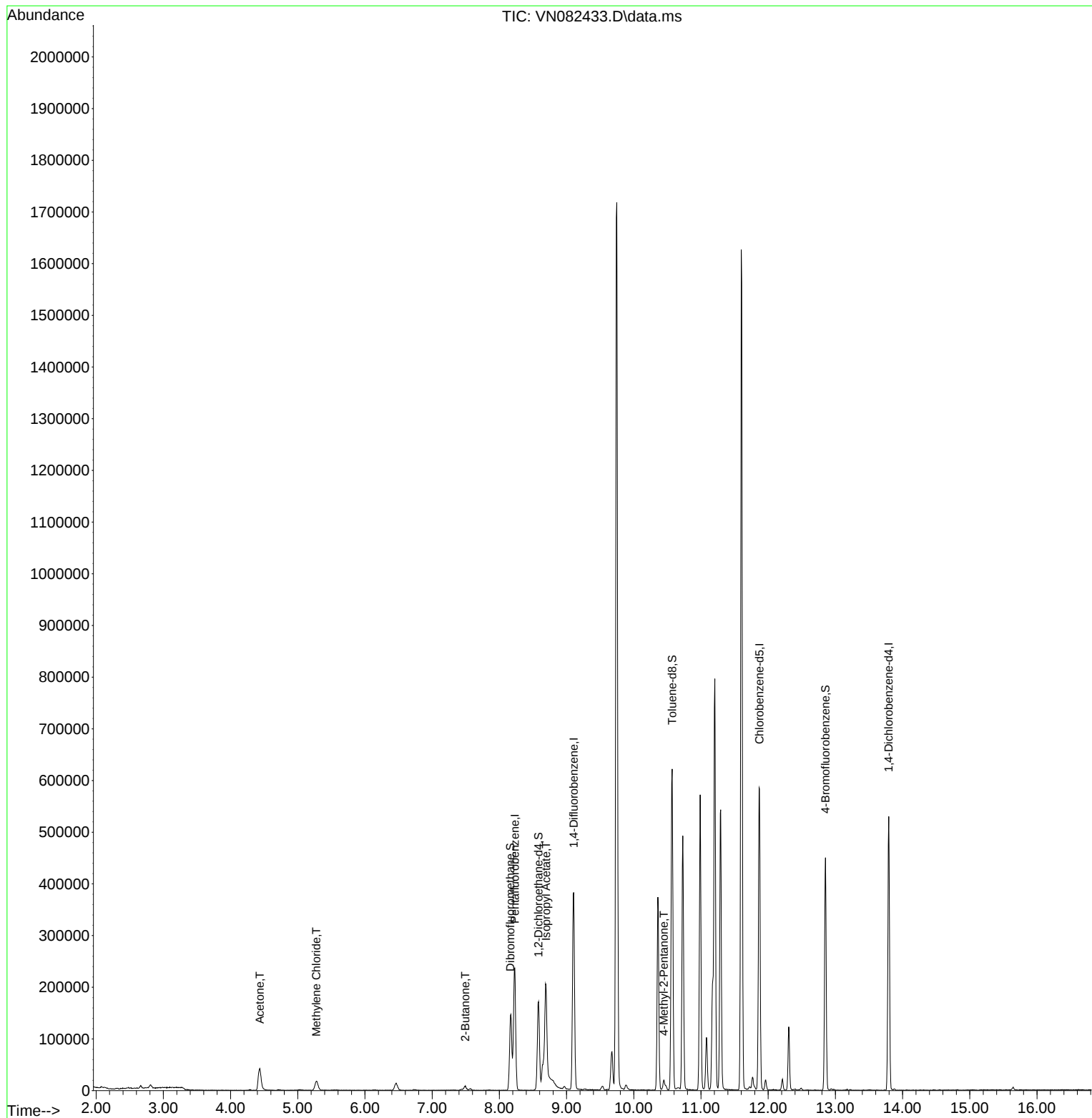
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.230     | 168   | 165592   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106     | 114   | 308436   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.871    | 117   | 307815   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794    | 152   | 133306   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.583     | 65    | 143640   | 54.935   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 74 - 125 | Recovery | = 109.860% |          |
| 35) Dibromofluoromethane    | 8.165     | 113   | 102274   | 53.903   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | = 107.800% |          |
| 50) Toluene-d8              | 10.571    | 98    | 405195   | 55.702   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 86 - 113 | Recovery | = 111.400% |          |
| 62) 4-Bromofluorobenzene    | 12.853    | 95    | 141153   | 54.365   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 64 - 133 | Recovery | = 108.740% |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          | Qvalue     |          |
| 16) Acetone                 | 4.436     | 43    | 84577    | 78.851   | ug/l       | 90       |
| 20) Methylene Chloride      | 5.277     | 84    | 12619    | 5.831    | ug/l #     | 83       |
| 25) 2-Butanone              | 7.494     | 43    | 14400    | 8.855    | ug/l #     | 84       |
| 43) Isopropyl Acetate       | 8.694     | 43    | 336475   | 53.322   | ug/l #     | 70       |
| 51) 4-Methyl-2-Pentanone    | 10.447    | 43    | 20374    | 5.683    | ug/l #     | 72       |
| -----                       |           |       |          |          |            |          |

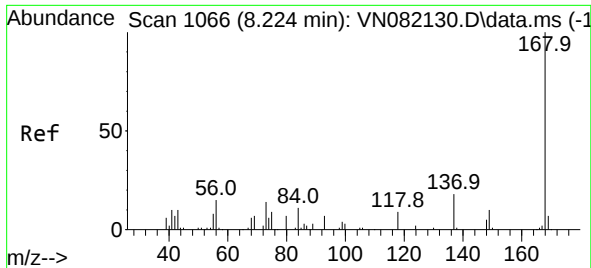
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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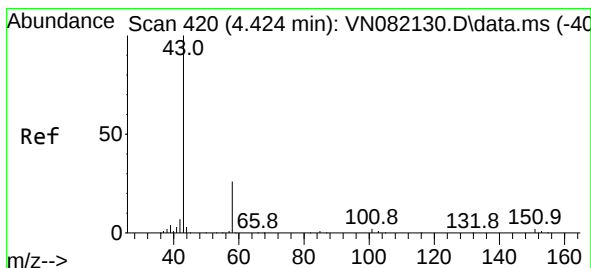
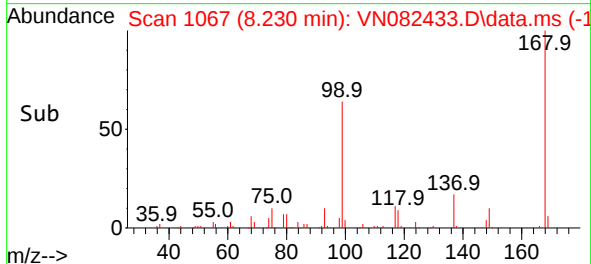
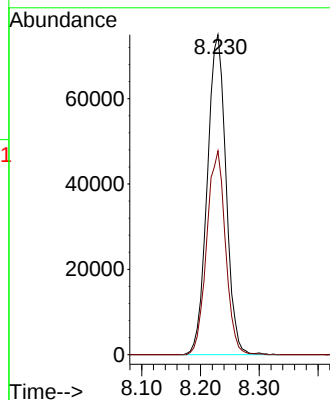
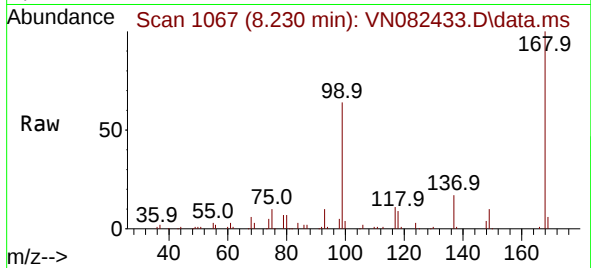




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN082433.D  
Acq: 03 Jun 2024 14:47

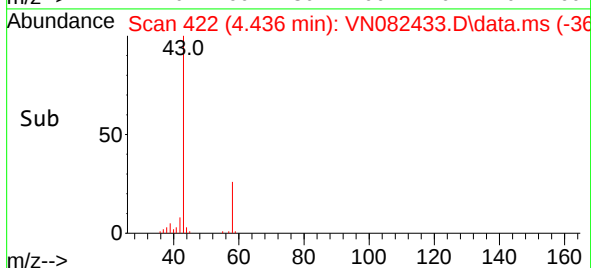
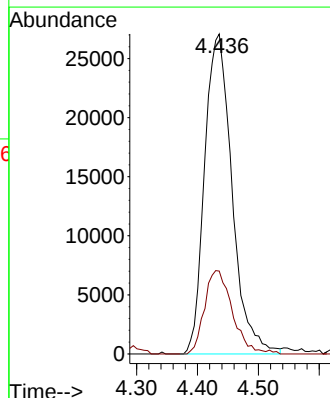
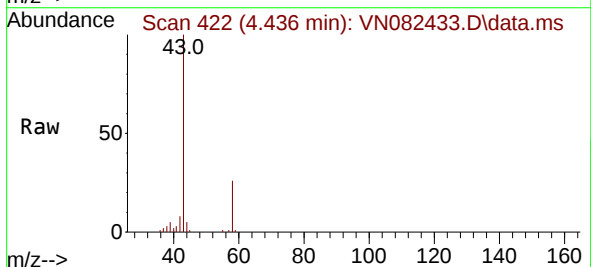
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB161254ZHE#01

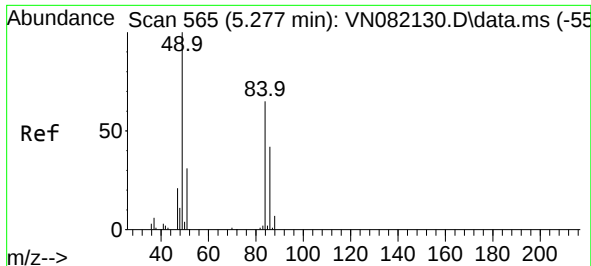
Tgt Ion:168 Resp: 165592  
Ion Ratio Lower Upper  
168 100  
99 63.7 48.2 72.4



#16  
Acetone  
Concen: 78.851 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.012 min  
Lab File: VN082433.D  
Acq: 03 Jun 2024 14:47

Tgt Ion: 43 Resp: 84577  
Ion Ratio Lower Upper  
43 100  
58 25.9 25.2 37.8

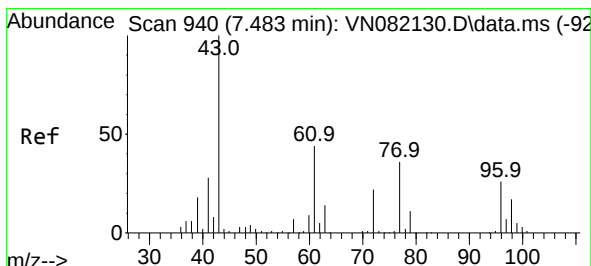
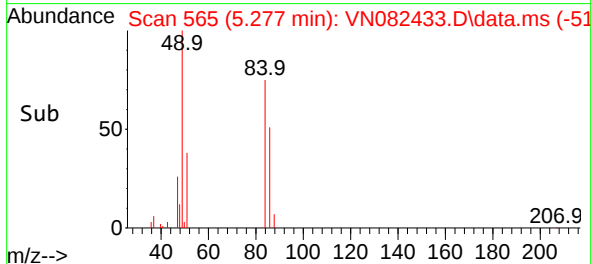
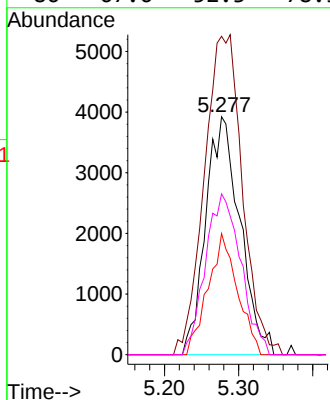
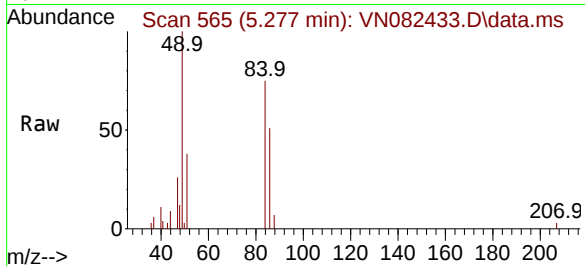




#20  
Methylene Chloride  
Concen: 5.831 ug/l  
RT: 5.277 min Scan# 501  
Delta R.T. 0.000 min  
Lab File: VN082433.D  
Acq: 03 Jun 2024 14:47

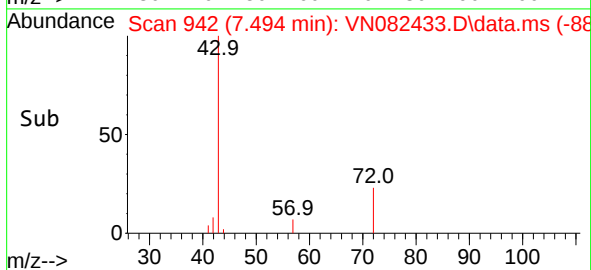
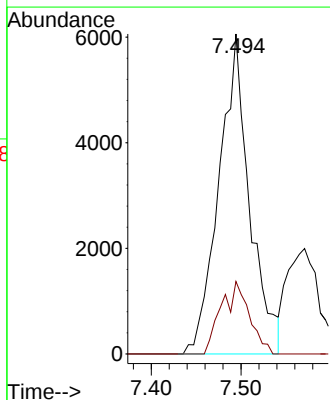
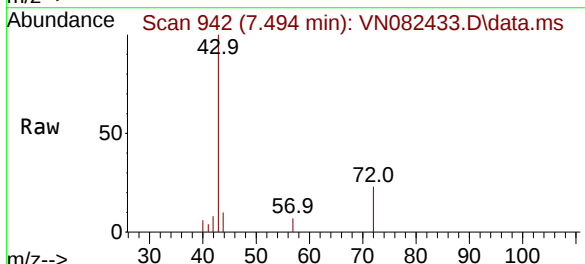
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB161254ZHE#01

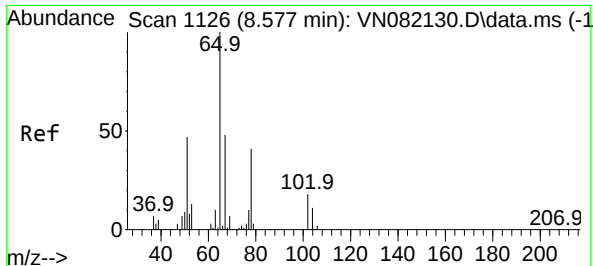
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 12619  |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 129.3 | 84.9  | 127.3# |
| 51       | 50.9  | 27.0  | 40.6#  |
| 86       | 67.6  | 52.3  | 78.5   |



#25  
2-Butanone  
Concen: 8.855 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. 0.012 min  
Lab File: VN082433.D  
Acq: 03 Jun 2024 14:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 14400 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 22.7  | 25.3  | 37.9# |





#33

1,2-Dichloroethane-d4

Concen: 54.935 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082433.D

Acq: 03 Jun 2024 14:47

Instrument :

MSVOA\_N

ClientSampleId :

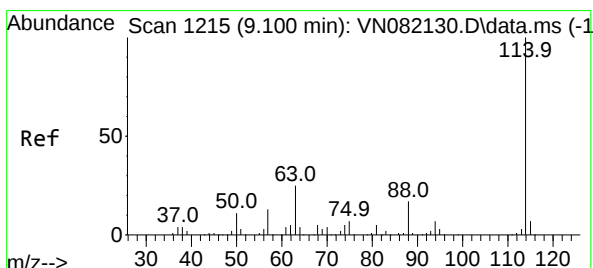
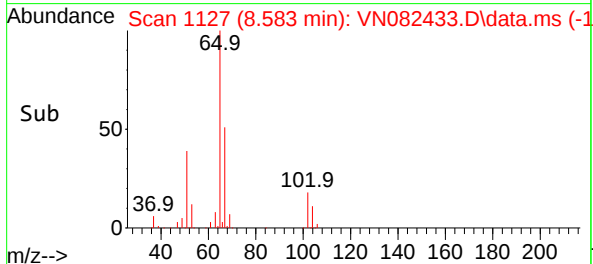
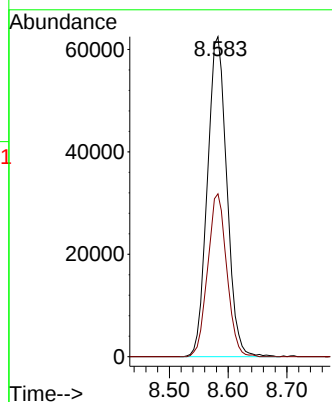
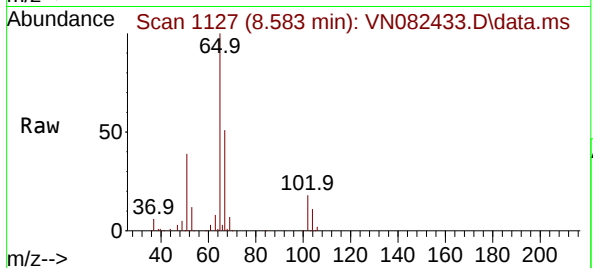
PB161254ZHE#01

Tgt Ion: 65 Resp: 143640

Ion Ratio Lower Upper

65 100

67 49.9 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: VN082433.D

Acq: 03 Jun 2024 14:47

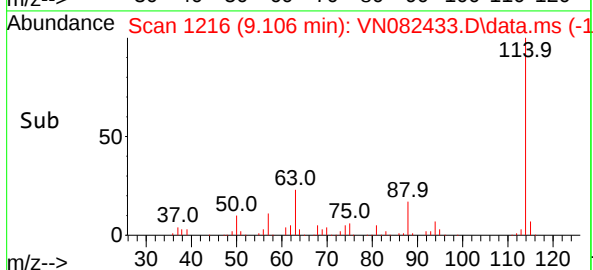
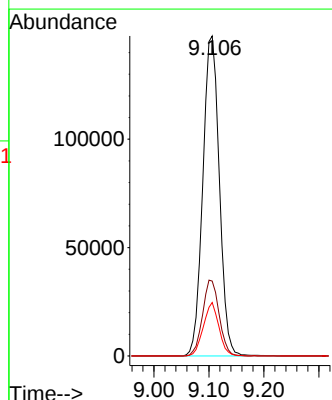
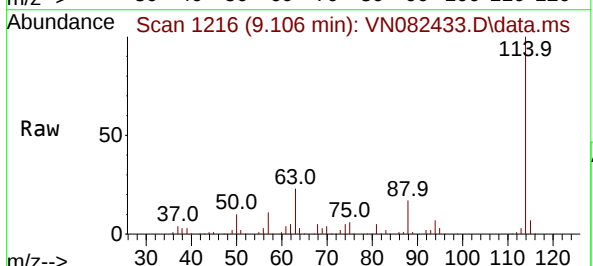
Tgt Ion: 114 Resp: 308436

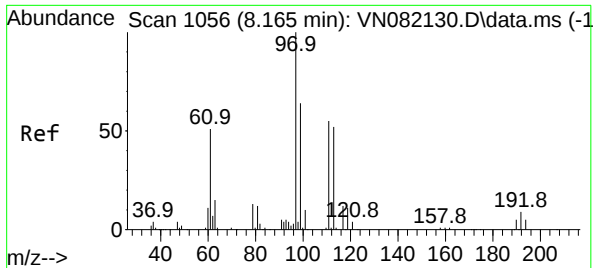
Ion Ratio Lower Upper

114 100

63 23.4 0.0 41.0

88 16.7 0.0 31.4

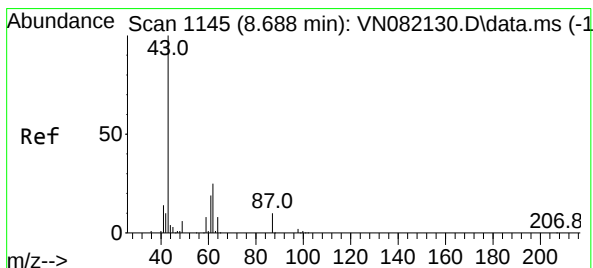
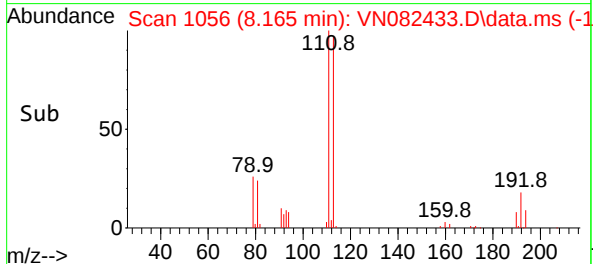
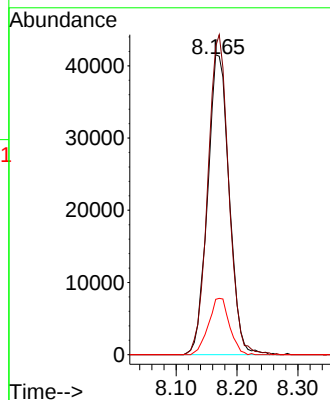
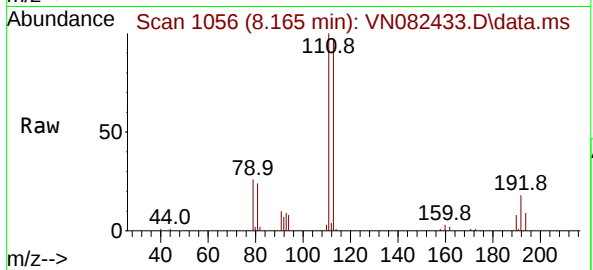




#35  
Dibromofluoromethane  
Concen: 53.903 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN082433.D  
Acq: 03 Jun 2024 14:47

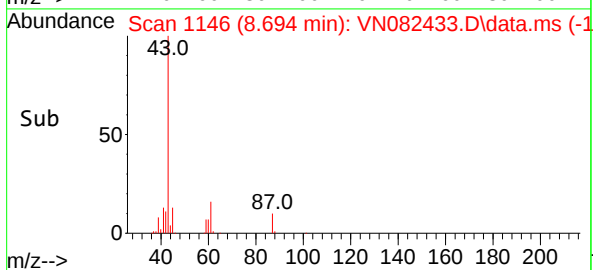
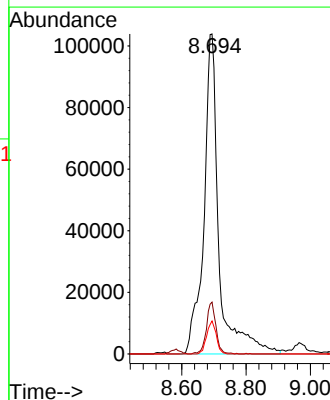
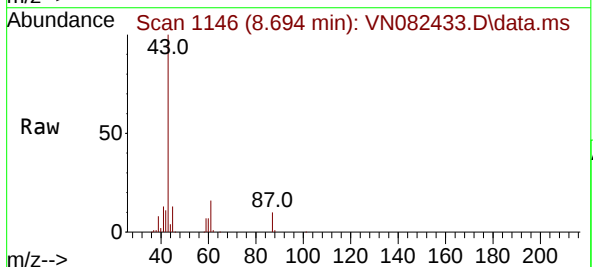
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB161254ZHE#01

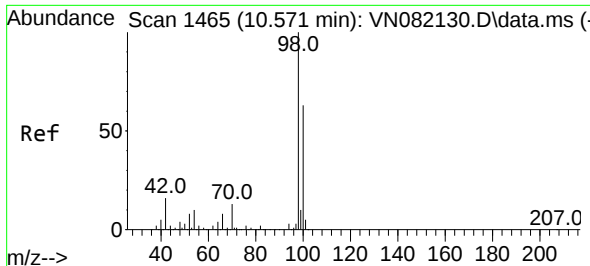
Tgt Ion:113 Resp: 102274  
Ion Ratio Lower Upper  
113 100  
111 103.1 83.4 125.2  
192 18.2 14.0 21.0



#43  
Isopropyl Acetate  
Concen: 53.322 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.006 min  
Lab File: VN082433.D  
Acq: 03 Jun 2024 14:47

Tgt Ion: 43 Resp: 336475  
Ion Ratio Lower Upper  
43 100  
61 10.3 22.8 34.2#  
87 6.5 12.0 18.0#

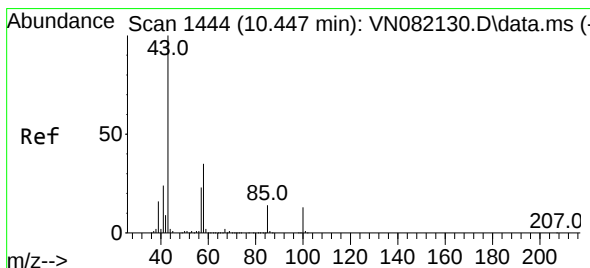
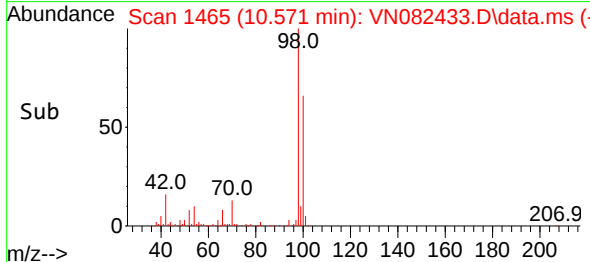
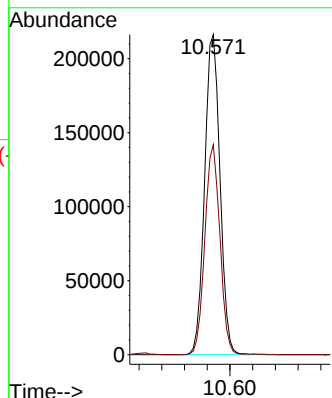
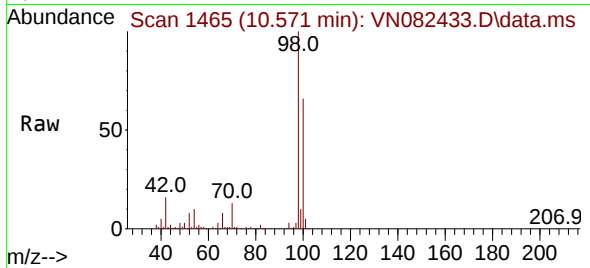




#50  
Toluene-d8  
Concen: 55.702 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN082433.D  
Acq: 03 Jun 2024 14:47

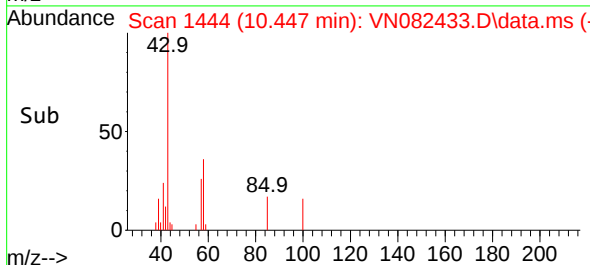
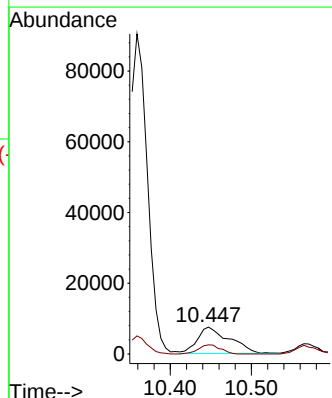
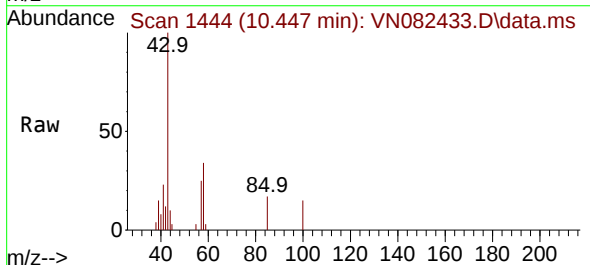
Instrument :  
MSVOA\_N  
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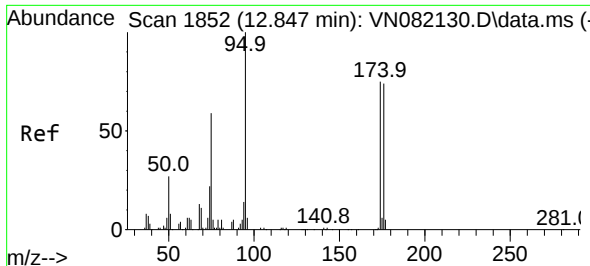
Tgt Ion: 98 Resp: 405195  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.8 77.6



#51  
4-Methyl-2-Pentanone  
Concen: 5.683 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. -0.000 min  
Lab File: VN082433.D  
Acq: 03 Jun 2024 14:47

Tgt Ion: 43 Resp: 20374  
Ion Ratio Lower Upper  
43 100  
58 24.0 33.2 49.8#

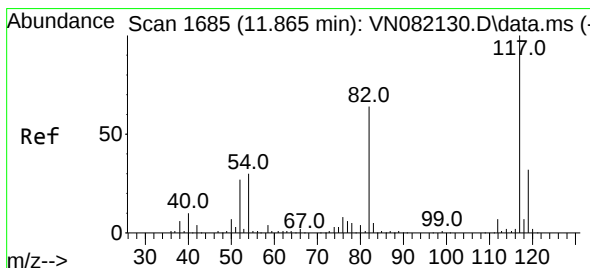
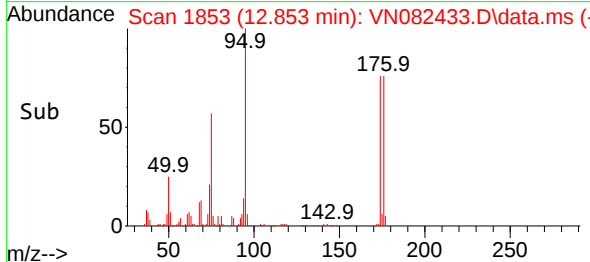
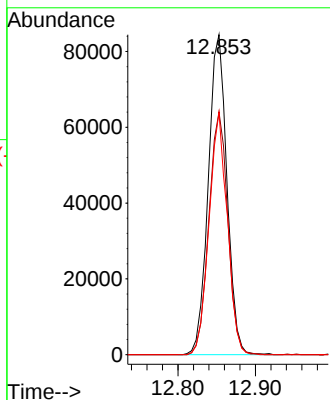
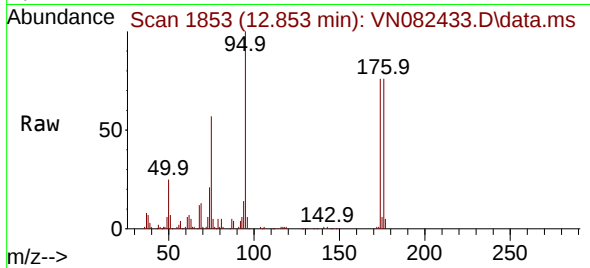




#62  
4-Bromofluorobenzene  
Concen: 54.365 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN082433.D  
Acq: 03 Jun 2024 14:47

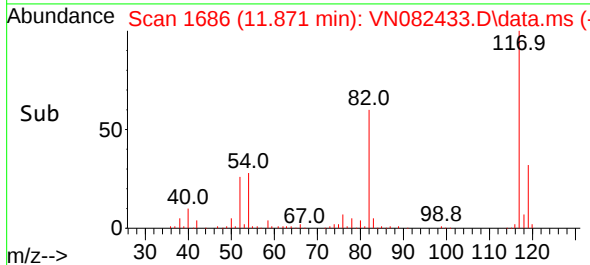
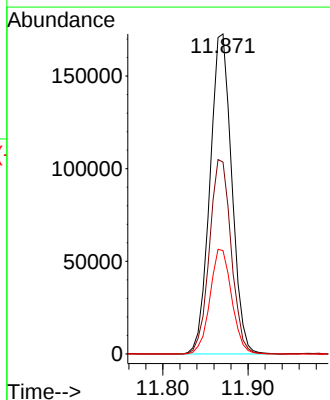
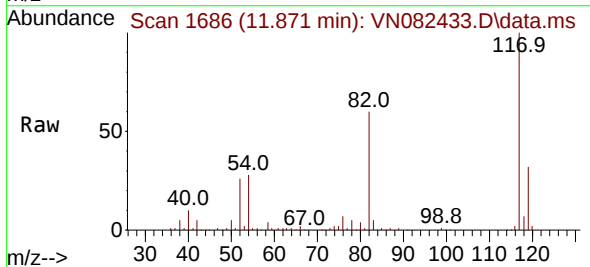
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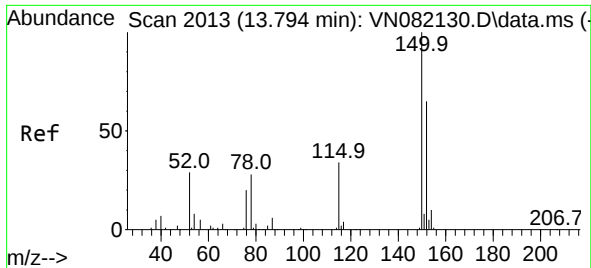
Tgt Ion: 95 Resp: 141153  
Ion Ratio Lower Upper  
95 100  
174 77.1 0.0 160.6  
176 73.9 0.0 152.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.006 min  
Lab File: VN082433.D  
Acq: 03 Jun 2024 14:47

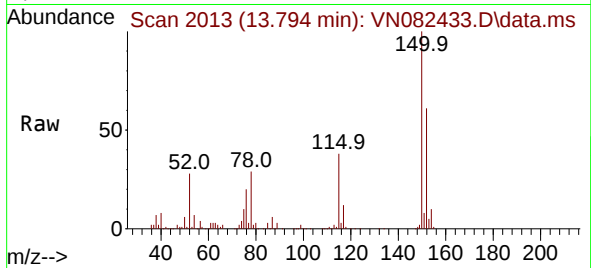
Tgt Ion: 117 Resp: 307815  
Ion Ratio Lower Upper  
117 100  
82 60.0 44.6 66.8  
119 32.3 25.9 38.9





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN082433.D  
 Acq: 03 Jun 2024 14:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB161254ZHE#01



Tgt Ion:152 Resp: 133306  
 Ion Ratio Lower Upper  
 152 100  
 115 60.5 30.4 91.3  
 150 157.5 0.0 353.2

