

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061924\  
 Data File : VN082649.D  
 Acq On : 19 Jun 2024 18:28  
 Operator : JC\MD  
 Sample : P2955-04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VK-1

Quant Time: Jun 20 03:05:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N061724W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 18 04:52:44 2024  
 Response via : Initial Calibration

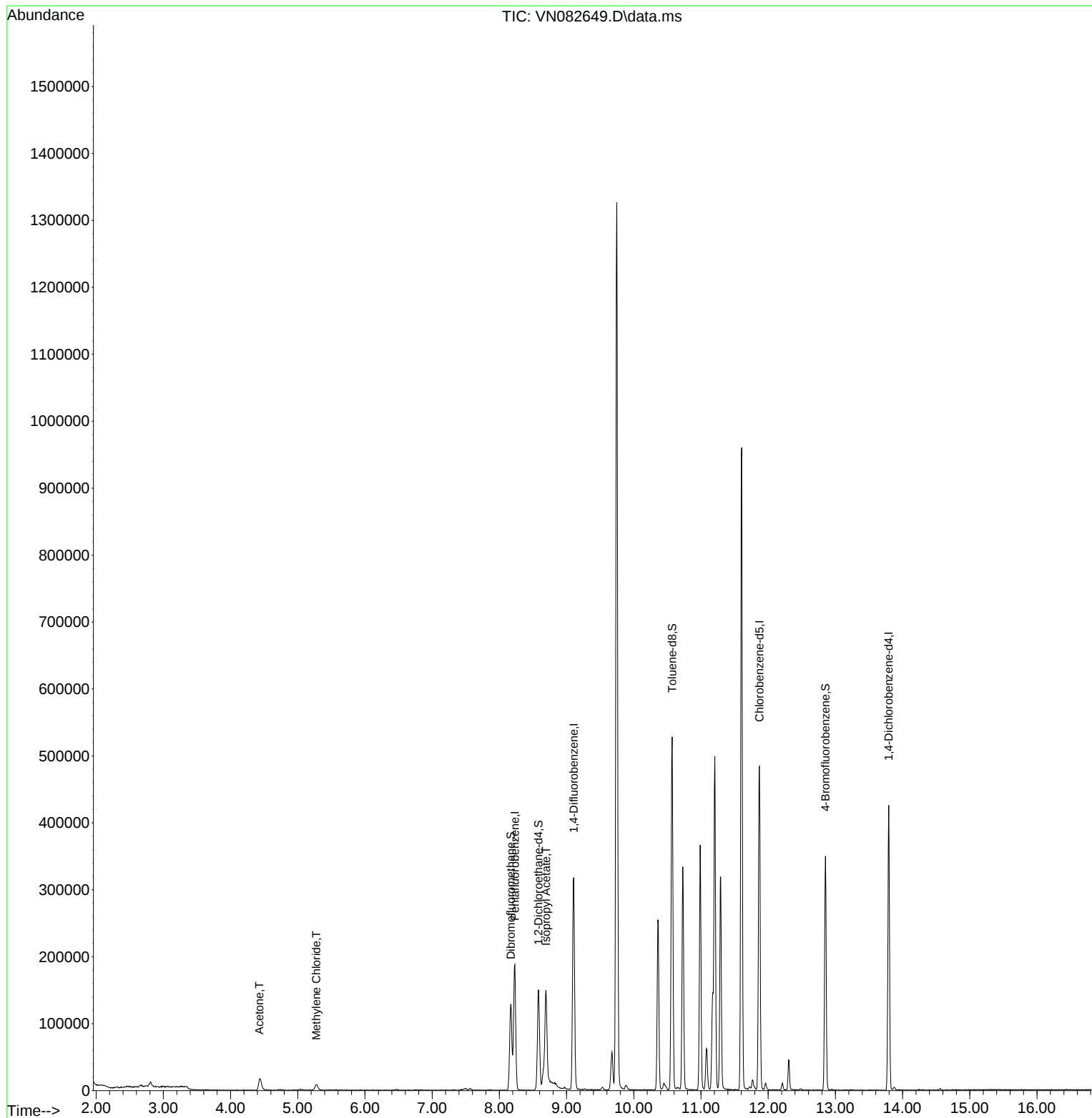
| Compound                    | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|--------|----------|
| -----                       |           |       |          |          |        |          |
| Internal Standards          |           |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.230     | 168   | 129962   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106     | 114   | 252583   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.871    | 117   | 263605   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794    | 152   | 104046   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.583     | 65    | 120667   | 57.898   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 74 - 125 | Recovery | =      | 115.800% |
| 35) Dibromofluoromethane    | 8.171     | 113   | 88964    | 51.919   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | =      | 103.840% |
| 50) Toluene-d8              | 10.571    | 98    | 343080   | 52.946   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 86 - 113 | Recovery | =      | 105.900% |
| 62) 4-Bromofluorobenzene    | 12.853    | 95    | 108242   | 48.452   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 64 - 133 | Recovery | =      | 96.900%  |
| Target Compounds            |           |       |          |          |        |          |
|                             |           |       |          |          |        | Qvalue   |
| 16) Acetone                 | 4.430     | 43    | 35157    | 37.092   | ug/l   | 100      |
| 20) Methylene Chloride      | 5.277     | 84    | 6369     | 3.822    | ug/l # | 83       |
| 43) Isopropyl Acetate       | 8.694     | 43    | 206810   | 33.916   | ug/l # | 83       |
| -----                       |           |       |          |          |        |          |

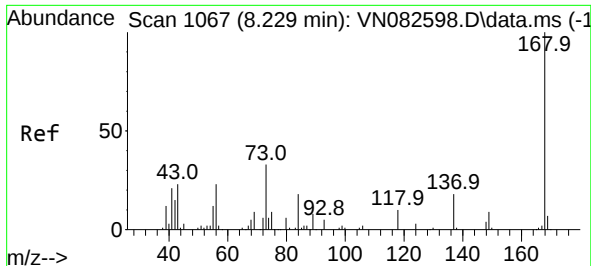
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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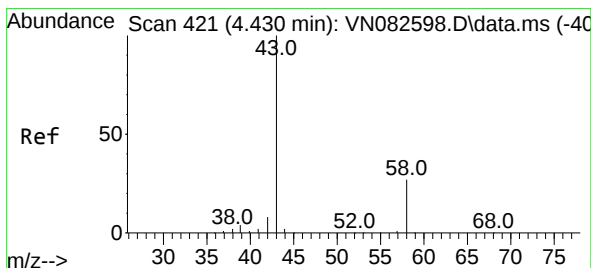
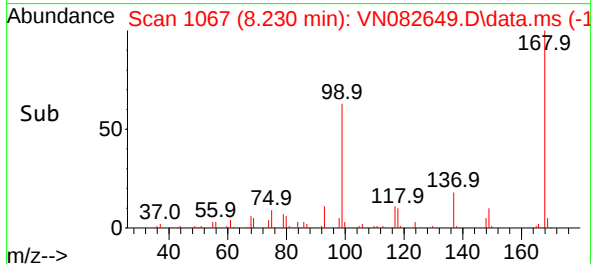
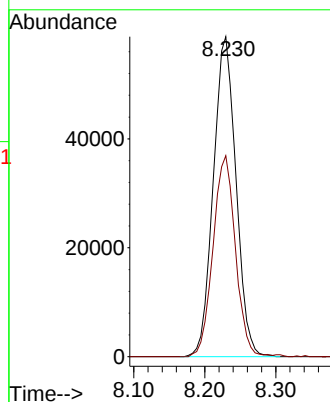
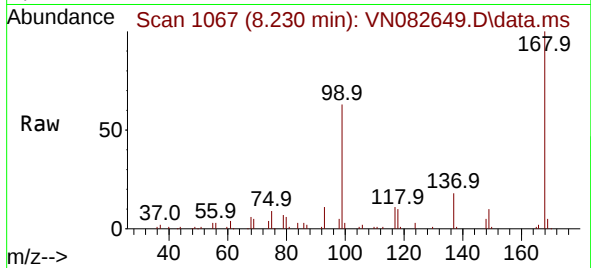




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. 0.001 min  
Lab File: VN082649.D  
Acq: 19 Jun 2024 18:28

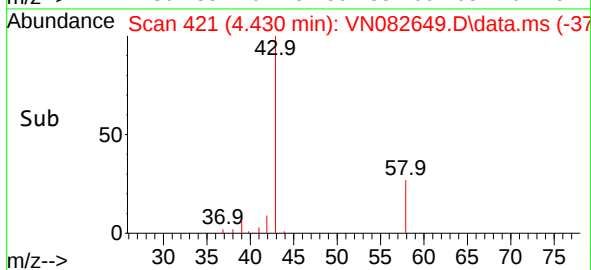
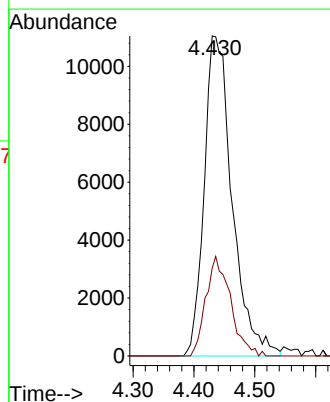
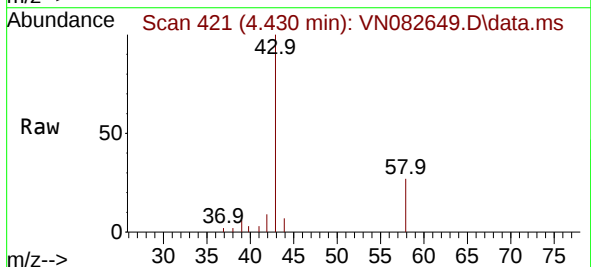
Instrument :  
MSVOA\_N  
ClientSampleId :  
VK-1

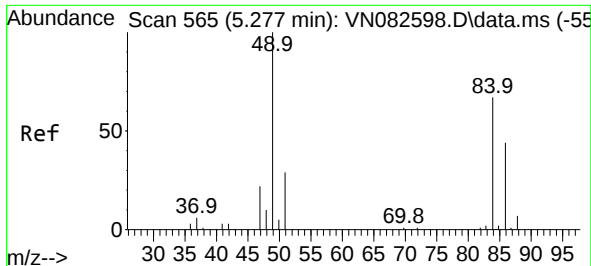
Tgt Ion:168 Resp: 129962  
Ion Ratio Lower Upper  
168 100  
99 62.8 48.2 72.4



#16  
Acetone  
Concen: 37.092 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.000 min  
Lab File: VN082649.D  
Acq: 19 Jun 2024 18:28

Tgt Ion: 43 Resp: 35157  
Ion Ratio Lower Upper  
43 100  
58 27.4 21.8 32.6

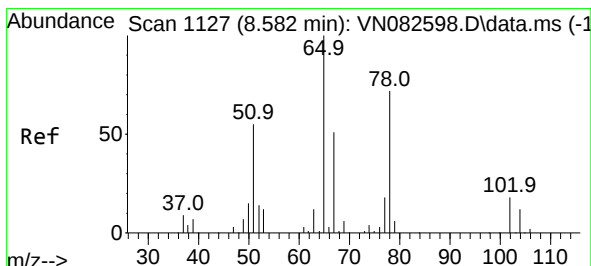
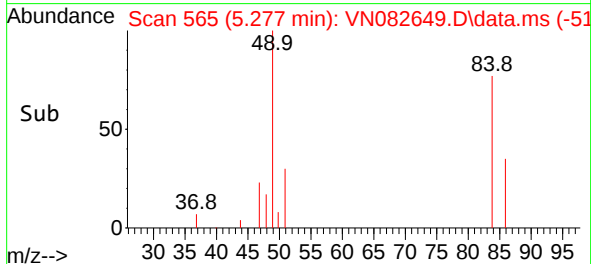
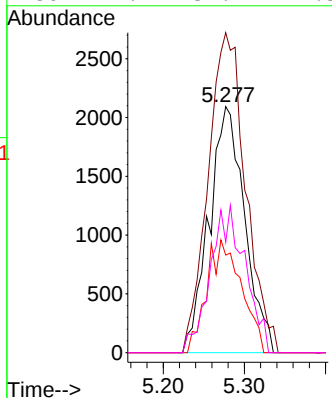
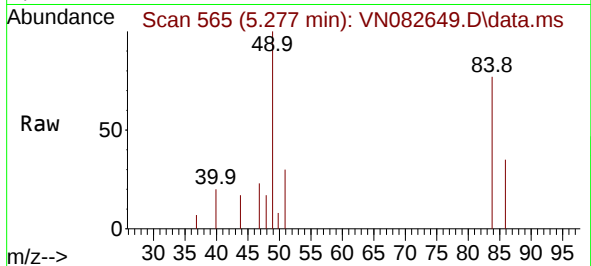




#20  
Methylene Chloride  
Concen: 3.822 ug/l  
RT: 5.277 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VN082649.D  
Acq: 19 Jun 2024 18:28

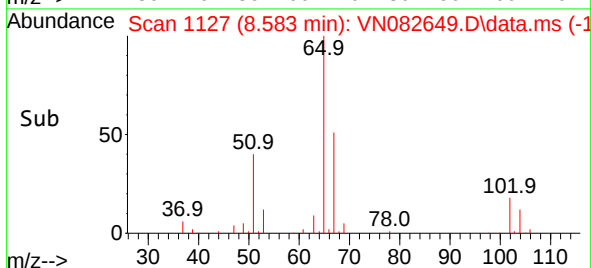
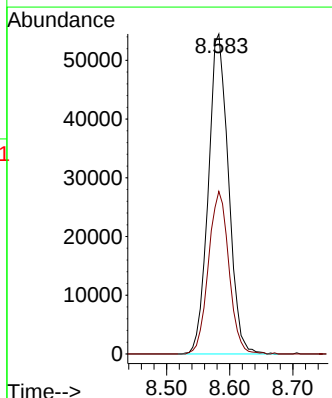
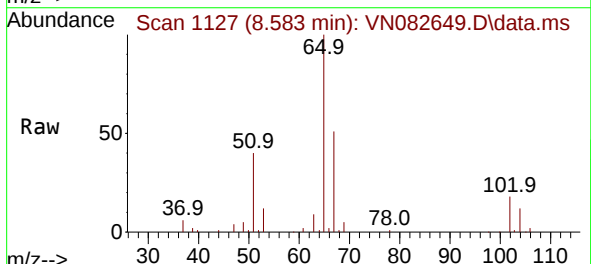
Instrument :  
MSVOA\_N  
ClientSampleId :  
VK-1

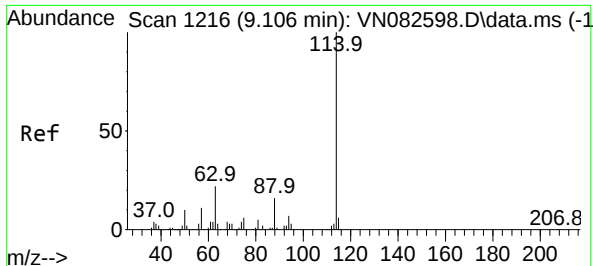
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 6369  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 130.1 | 119.6 | 179.4 |
| 51       | 39.7  | 34.8  | 52.2  |
| 86       | 44.9  | 52.9  | 79.3  |



#33  
1,2-Dichloroethane-d4  
Concen: 57.898 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VN082649.D  
Acq: 19 Jun 2024 18:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 120667 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 51.6  | 0.0   | 104.4  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN082649.D

Acq: 19 Jun 2024 18:28

Instrument :

MSVOA\_N

ClientSampleId :

VK-1

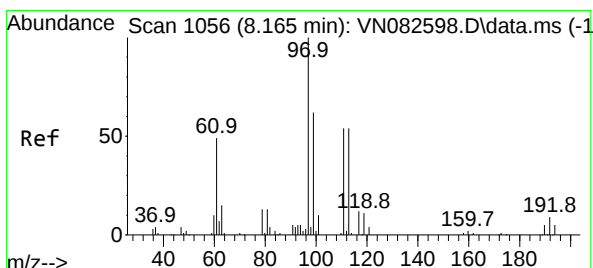
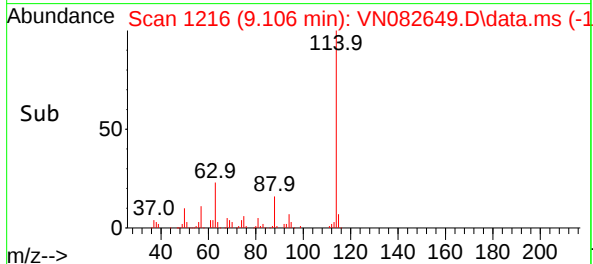
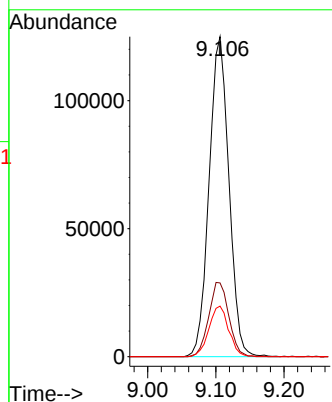
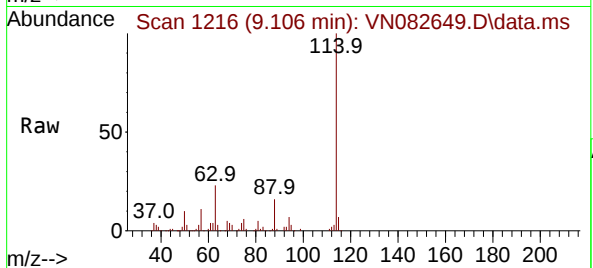
Tgt Ion:114 Resp: 252583

Ion Ratio Lower Upper

114 100

63 23.1 0.0 44.6

88 15.8 0.0 31.4



#35

Dibromofluoromethane

Concen: 51.919 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082649.D

Acq: 19 Jun 2024 18:28

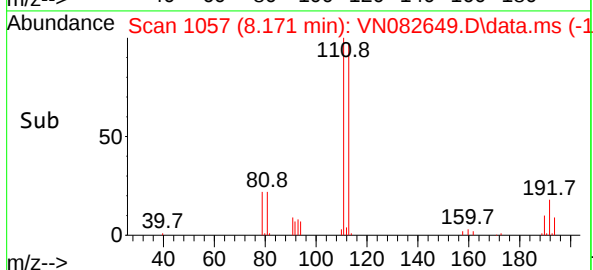
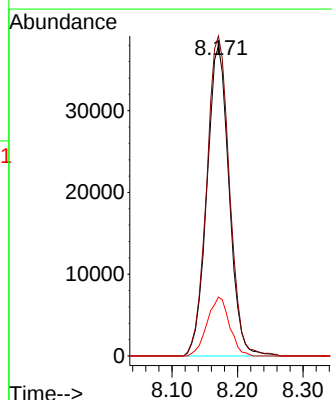
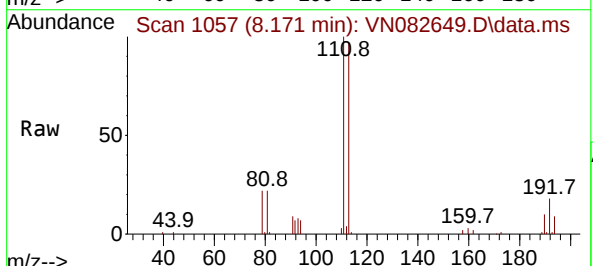
Tgt Ion:113 Resp: 88964

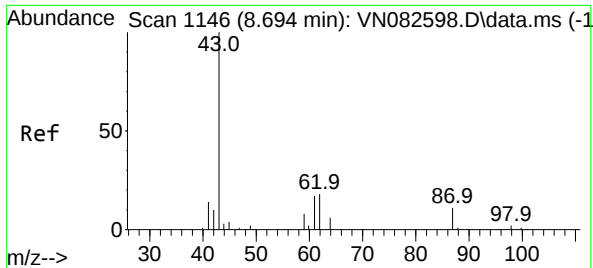
Ion Ratio Lower Upper

113 100

111 106.0 82.4 123.6

192 19.1 14.9 22.3

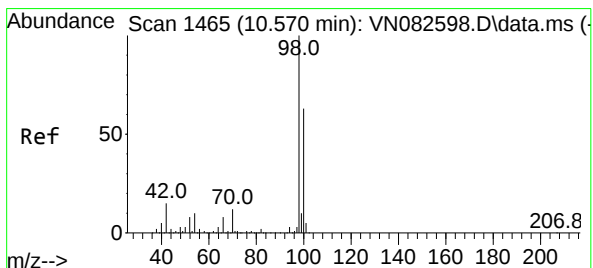
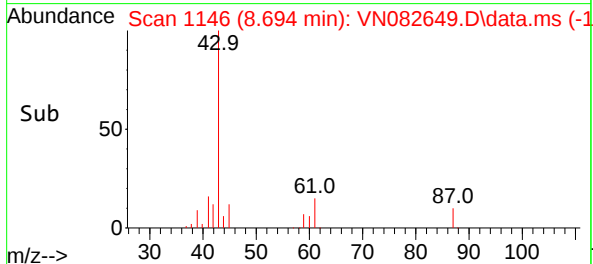
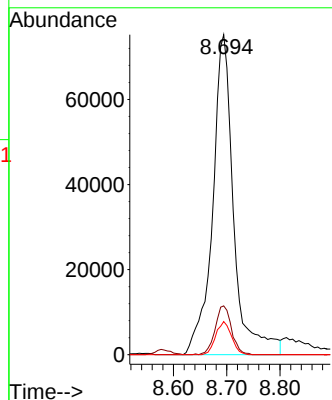
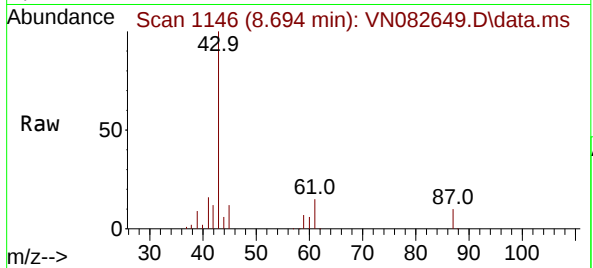




#43  
Isopropyl Acetate  
Concen: 33.916 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VN082649.D  
Acq: 19 Jun 2024 18:28

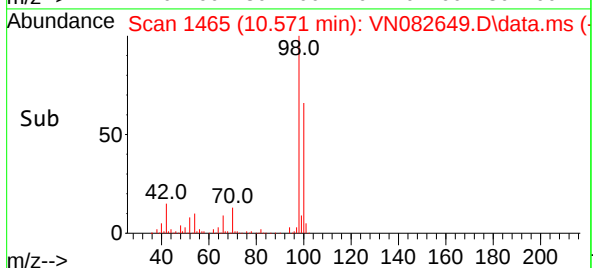
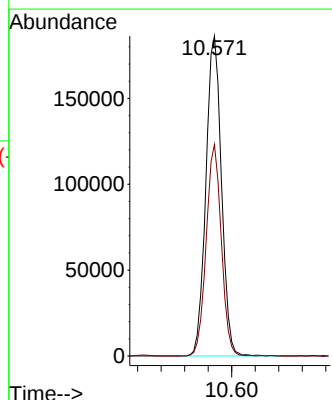
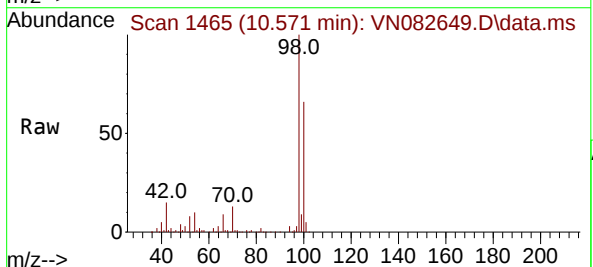
Instrument :  
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ClientSampleId :  
VK-1

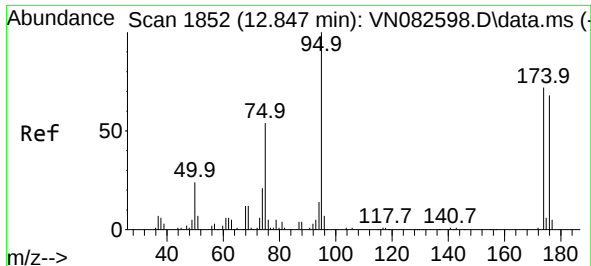
Tgt Ion: 43 Resp: 206810  
Ion Ratio Lower Upper  
43 100  
61 11.8 17.8 26.6#  
87 7.7 8.2 12.2#



#50  
Toluene-d8  
Concen: 52.946 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN082649.D  
Acq: 19 Jun 2024 18:28

Tgt Ion: 98 Resp: 343080  
Ion Ratio Lower Upper  
98 100  
100 64.2 51.5 77.3

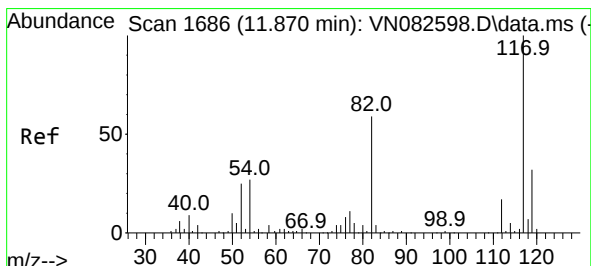
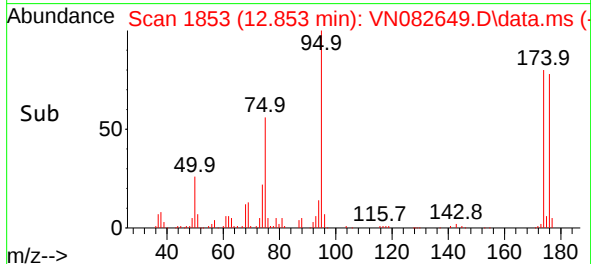
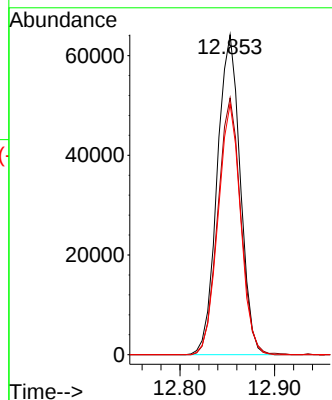
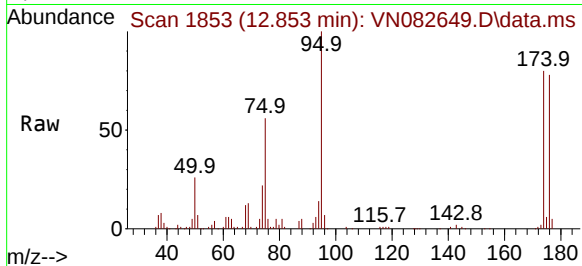




#62  
4-Bromofluorobenzene  
Concen: 48.452 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN082649.D  
Acq: 19 Jun 2024 18:28

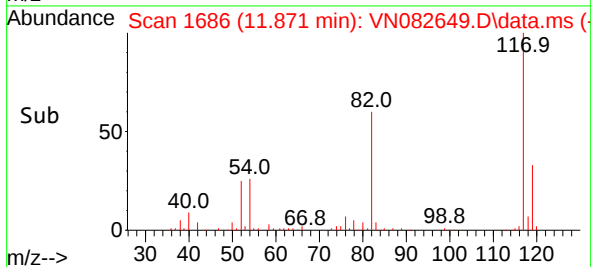
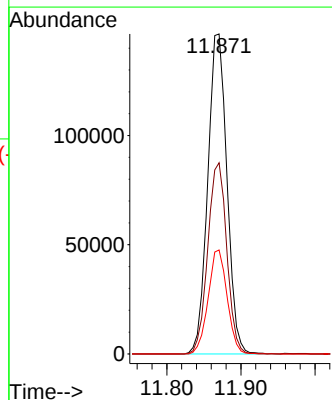
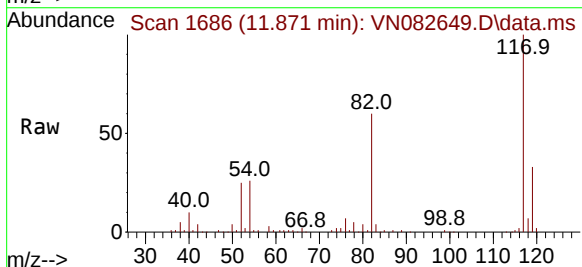
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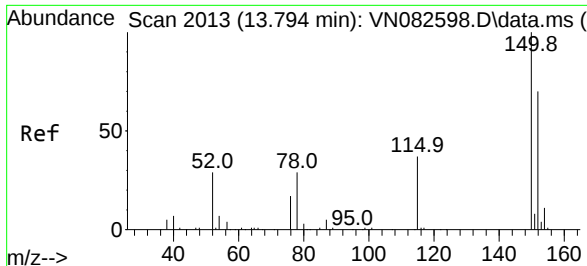
Tgt Ion: 95 Resp: 108242  
Ion Ratio Lower Upper  
95 100  
174 80.3 0.0 159.2  
176 76.7 0.0 147.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VN082649.D  
Acq: 19 Jun 2024 18:28

Tgt Ion: 117 Resp: 263605  
Ion Ratio Lower Upper  
117 100  
82 59.8 47.5 71.3  
119 32.5 25.6 38.4





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN082649.D  
 Acq: 19 Jun 2024 18:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
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Tgt Ion:152 Resp: 104046  
 Ion Ratio Lower Upper  
 152 100  
 115 60.7 30.6 91.6  
 150 159.4 0.0 348.6

