

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020824\  
 Data File : VN080969.D  
 Acq On : 08 Feb 2024 17:22  
 Operator : JC\MD  
 Sample : P1372-08 50X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Feb 09 01:24:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N020624W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 07 06:22:23 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 497372   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 933973   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 815897   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 317619   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 344178   | 54.855   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 109.700% |      |
| 35) Dibromofluoromethane    | 8.171  | 113   | 283623   | 56.592   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 113.180% |      |
| 50) Toluene-d8              | 10.571 | 98    | 985328   | 54.355   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 108.700% |      |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 325798   | 49.473   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 98.940%  |      |

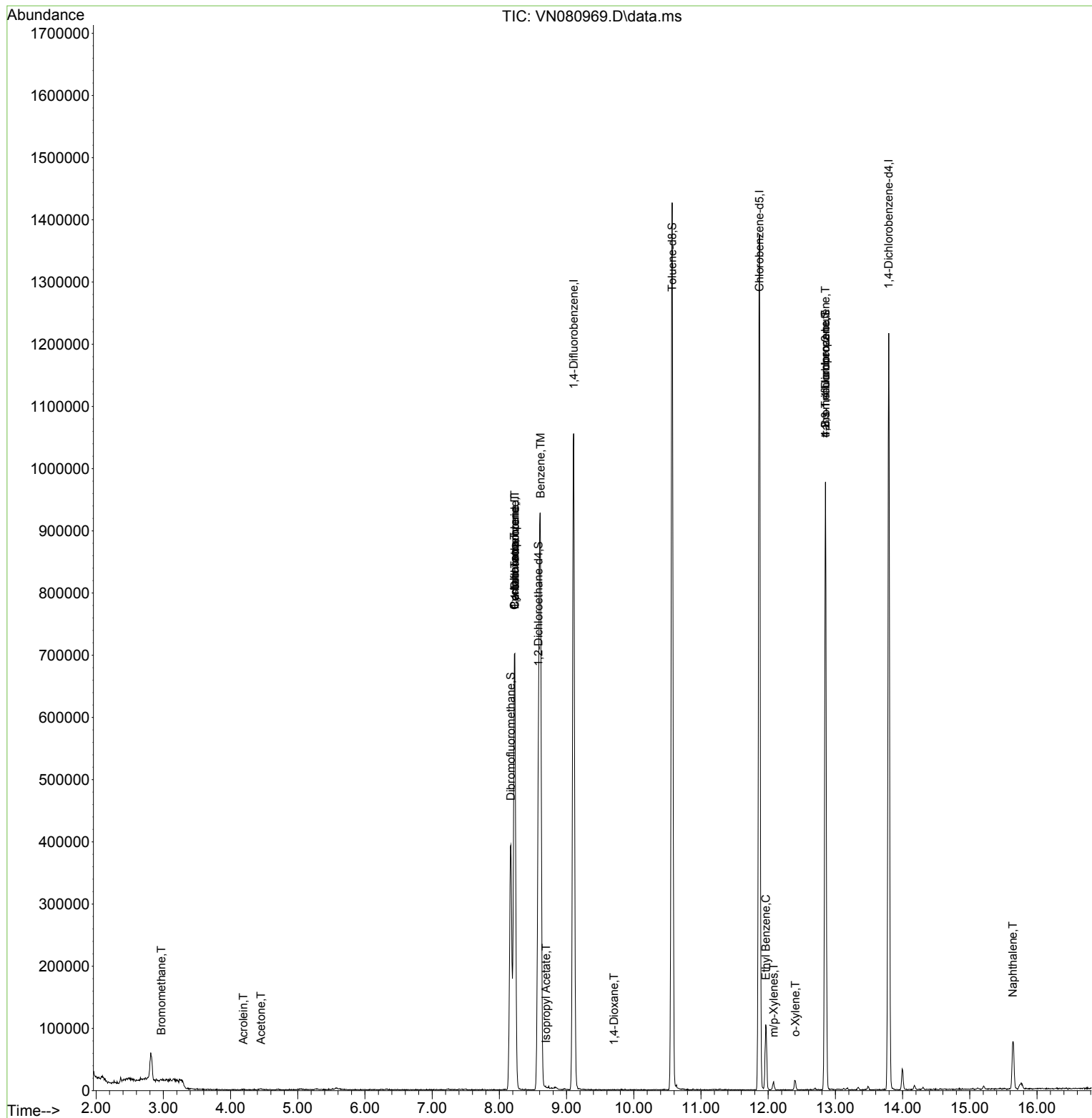
|                               |        |     |        |               |     |  |
|-------------------------------|--------|-----|--------|---------------|-----|--|
| Target Compounds              |        |     |        | Qvalue        |     |  |
| 3) Chloromethane              | 2.365  | 50  | 5015   | Below Cal     | 100 |  |
| 5) Bromomethane               | 2.971  | 94  | 1890   | 0.399 ug/l #  | 53  |  |
| 13) Acrolein                  | 4.189  | 56  | 565    | 0.519 ug/l #  | 68  |  |
| 16) Acetone                   | 4.453  | 43  | 2704   | 1.310 ug/l    | 95  |  |
| 18) Methyl Acetate            | 5.024  | 43  | 1906   | Below Cal #   | 80  |  |
| 31) Cyclohexane               | 8.224  | 56  | 11643  | 1.358 ug/l #  | 1   |  |
| 36) 1,1-Dichloropropene       | 8.230  | 75  | 43364  | 5.816 ug/l #  | 52  |  |
| 38) Carbon Tetrachloride      | 8.230  | 117 | 57526  | 7.527 ug/l #  | 18  |  |
| 40) Benzene                   | 8.612  | 78  | 889015 | 39.173 ug/l   | 95  |  |
| 43) Isopropyl Acetate         | 8.694  | 43  | 2476   | 0.239 ug/l #  | 57  |  |
| 49) 1,4-Dioxane               | 9.706  | 88  | 61     | 0.565 ug/l #  | 18  |  |
| 67) Ethyl Benzene             | 11.965 | 91  | 75549  | 2.565 ug/l    | 96  |  |
| 68) m/p-Xylenes               | 12.082 | 106 | 3417   | 0.305 ug/l    | 95  |  |
| 69) o-Xylene                  | 12.406 | 106 | 4350   | 0.401 ug/l    | 91  |  |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75  | 177189 | 27.361 ug/l # | 1   |  |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75  | 177189 | 74.335 ug/l # | 14  |  |
| 95) Naphthalene               | 15.641 | 128 | 74759  | 4.304 ug/l    | 98  |  |

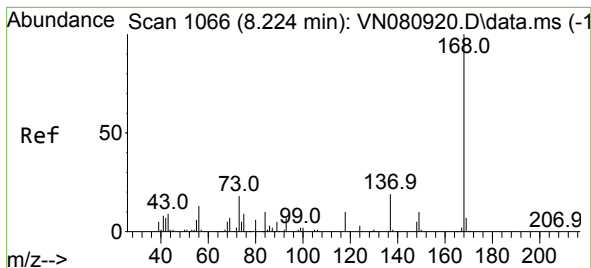
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020824\  
Data File : VN080969.D  
Acq On : 08 Feb 2024 17:22  
Operator : JC\MD  
Sample : P1372-08 50X  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Feb 09 01:24:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N020624W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 07 06:22:23 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080969.D

Acq: 08 Feb 2024 17:22

Instrument :

MSVOA\_N

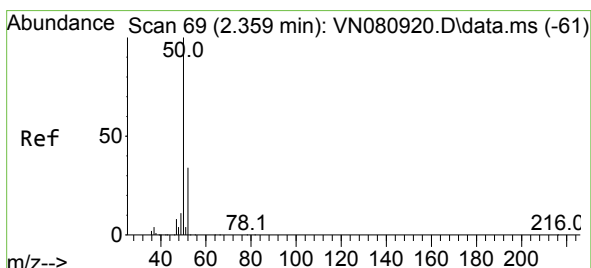
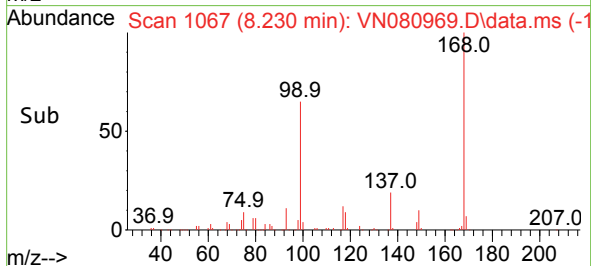
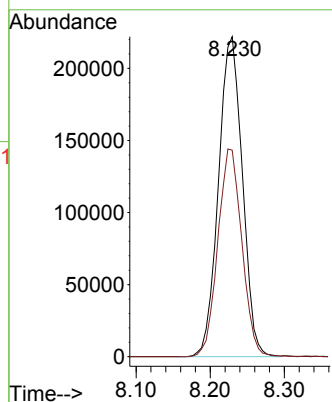
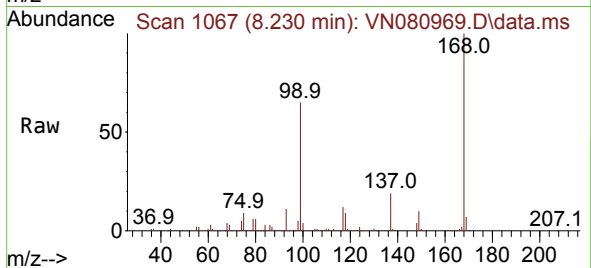
ClientSampleId :

Tgt Ion:168 Resp: 497372

Ion Ratio Lower Upper

168 100

99 64.5 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080969.D

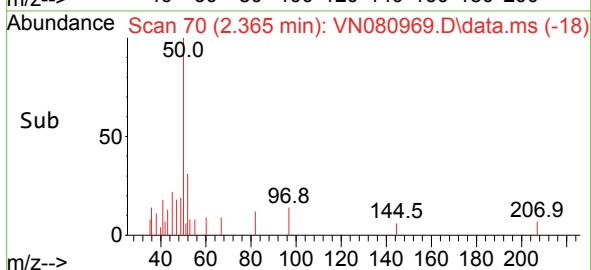
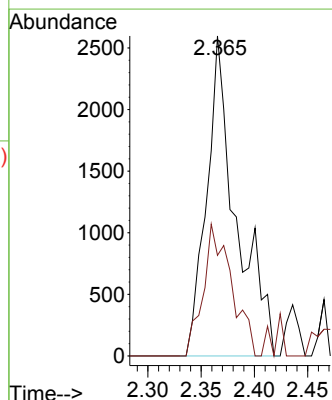
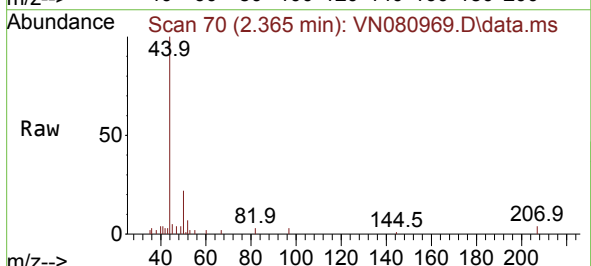
Acq: 08 Feb 2024 17:22

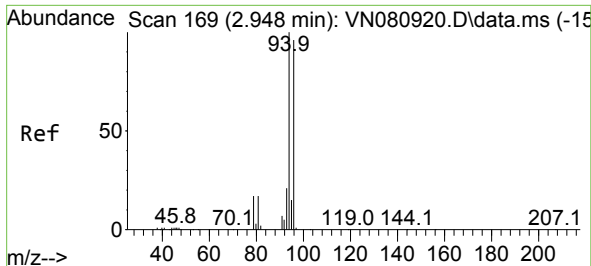
Tgt Ion: 50 Resp: 5015

Ion Ratio Lower Upper

50 100

52 31.4 25.0 37.4

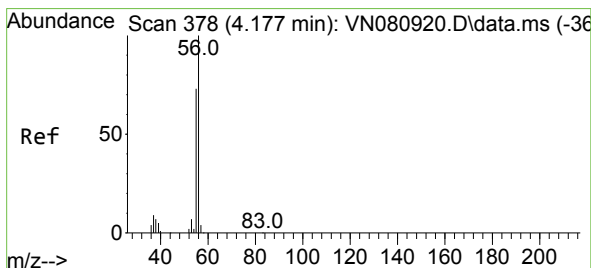
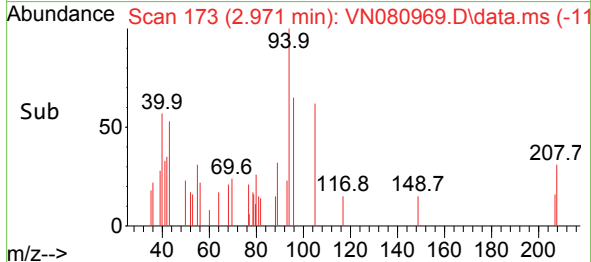
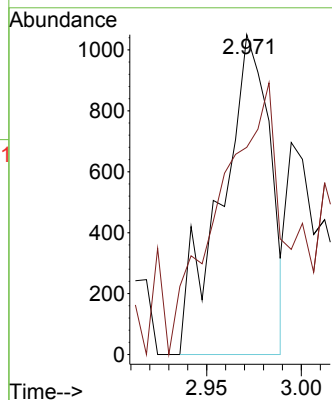
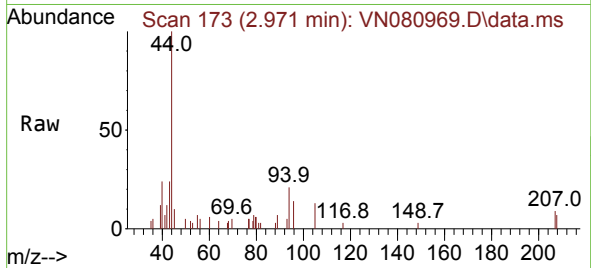




#5  
Bromomethane  
Concen: 0.399 ug/l  
RT: 2.971 min Scan# 11  
Delta R.T. 0.023 min  
Lab File: VN080969.D  
Acq: 08 Feb 2024 17:22

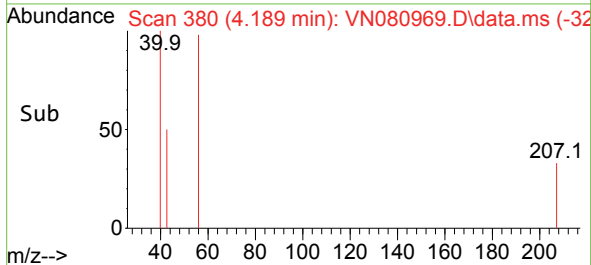
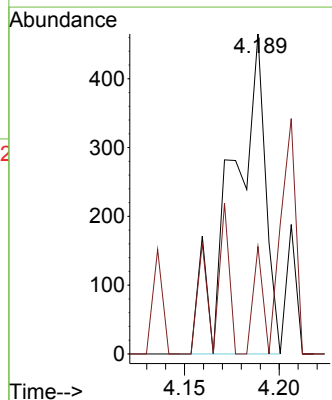
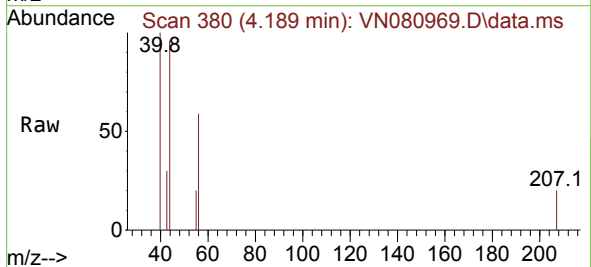
Instrument :  
MSVOA\_N  
ClientSampleId :

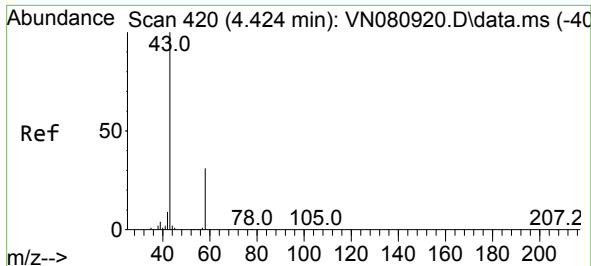
Tgt Ion: 94 Resp: 1890  
Ion Ratio Lower Upper  
94 100  
96 43.4 69.2 103.8#



#13  
Acrolein  
Concen: 0.519 ug/l  
RT: 4.189 min Scan# 380  
Delta R.T. 0.012 min  
Lab File: VN080969.D  
Acq: 08 Feb 2024 17:22

Tgt Ion: 56 Resp: 565  
Ion Ratio Lower Upper  
56 100  
55 42.8 55.3 82.9#

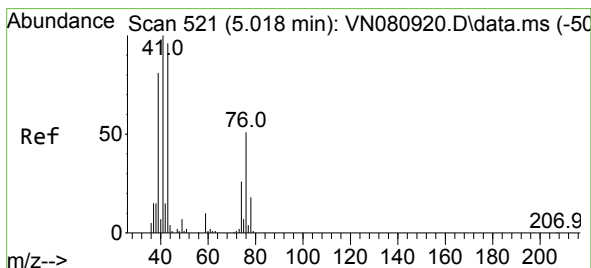
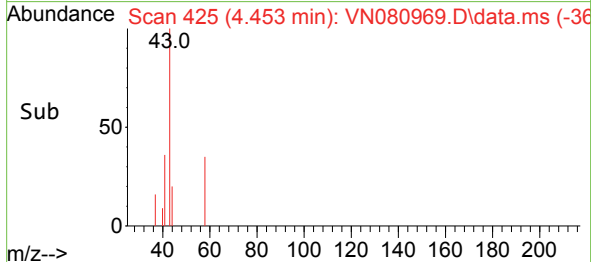
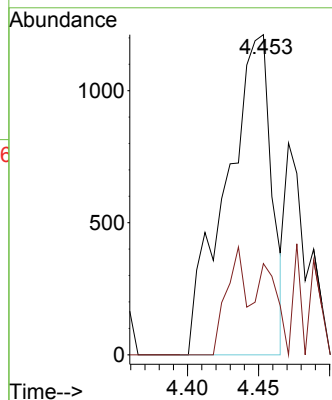
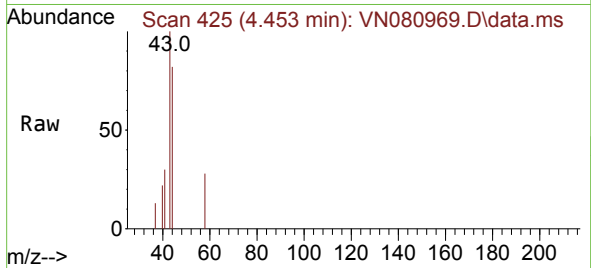




#16  
Acetone  
Concen: 1.310 ug/l  
RT: 4.453 min Scan# 41  
Delta R.T. 0.029 min  
Lab File: VN080969.D  
Acq: 08 Feb 2024 17:22

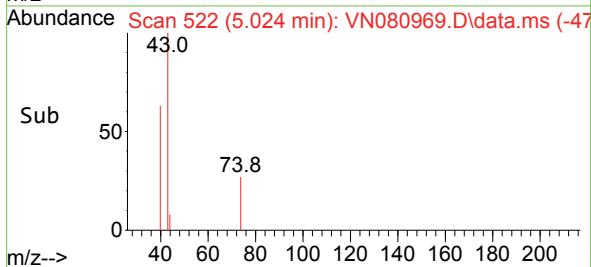
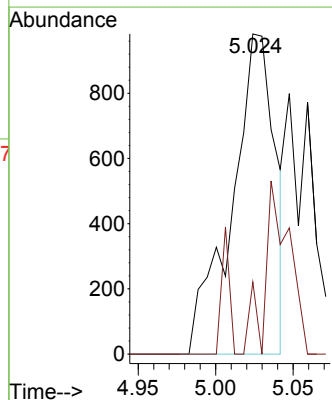
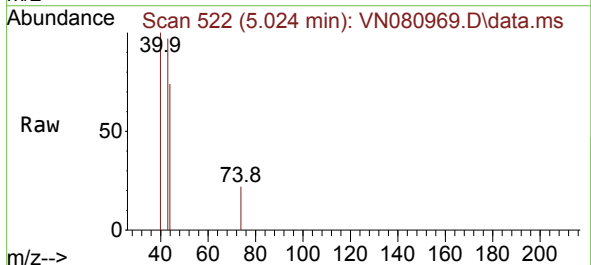
Instrument :  
MSVOA\_N  
ClientSampleId :

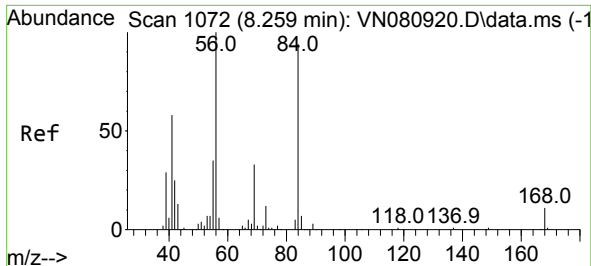
Tgt Ion: 43 Resp: 2704  
Ion Ratio Lower Upper  
43 100  
58 28.5 24.8 37.2



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 5.024 min Scan# 522  
Delta R.T. 0.006 min  
Lab File: VN080969.D  
Acq: 08 Feb 2024 17:22

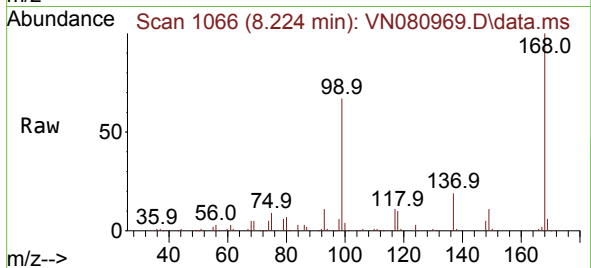
Tgt Ion: 43 Resp: 1906  
Ion Ratio Lower Upper  
43 100  
74 30.8 17.3 25.9#



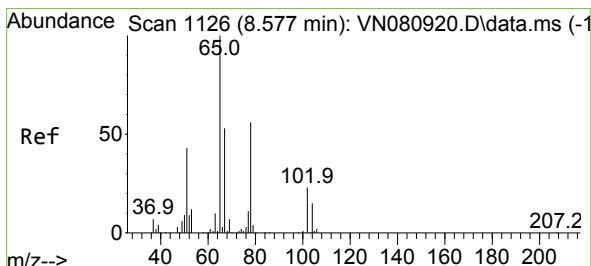
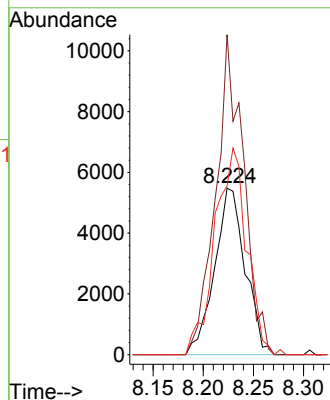
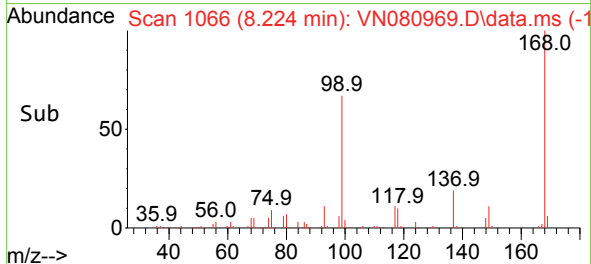


#31  
Cyclohexane  
Concen: 1.358 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.035 min  
Lab File: VN080969.D  
Acq: 08 Feb 2024 17:22

Instrument :  
MSVOA\_N  
ClientSampleId :

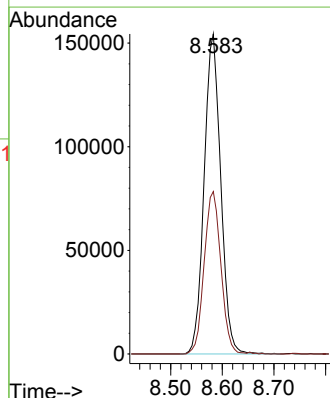
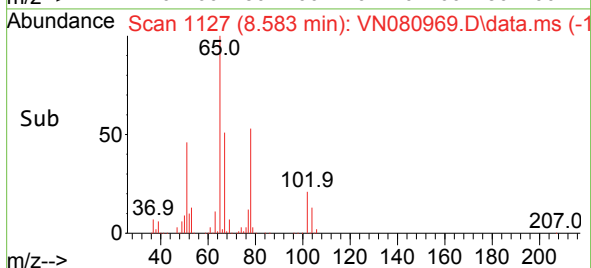
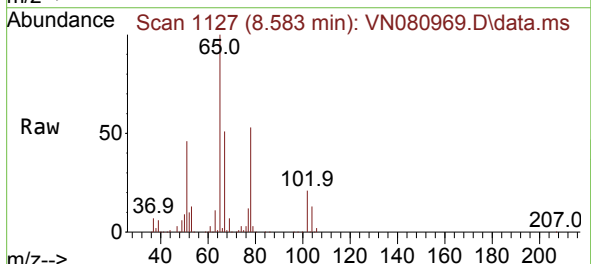


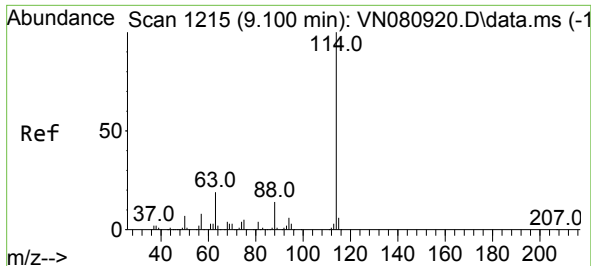
Tgt Ion: 56 Resp: 11643  
Ion Ratio Lower Upper  
56 100  
69 192.2 20.1 30.1#  
84 101.4 56.9 85.3#



#33  
1,2-Dichloroethane-d4  
Concen: 54.855 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VN080969.D  
Acq: 08 Feb 2024 17:22

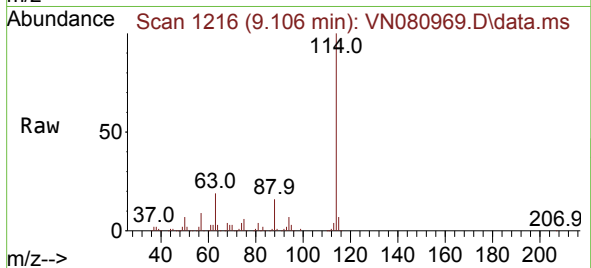
Tgt Ion: 65 Resp: 344178  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 102.4



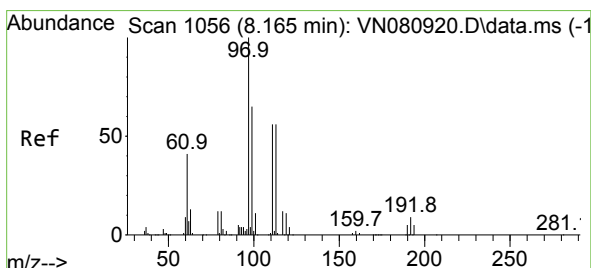
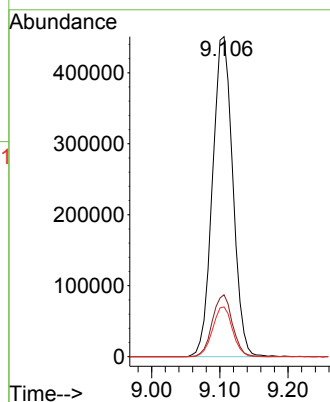
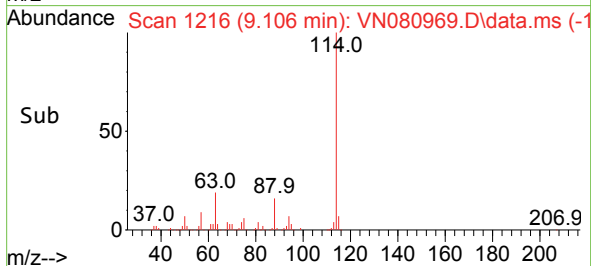


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN080969.D  
Acq: 08 Feb 2024 17:22

Instrument :  
MSVOA\_N  
ClientSampleId :

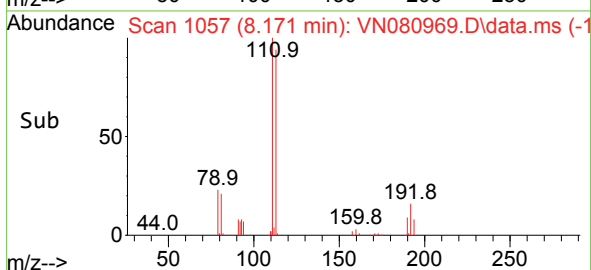
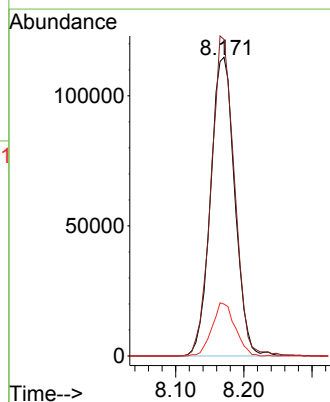
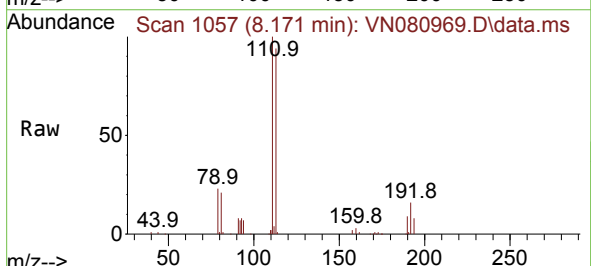


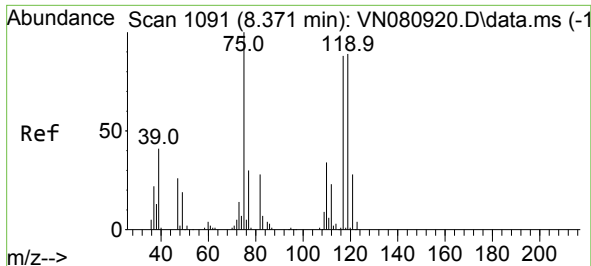
Tgt Ion:114 Resp: 933973  
Ion Ratio Lower Upper  
114 100  
63 19.4 0.0 48.0  
88 15.6 0.0 34.8



#35  
Dibromofluoromethane  
Concen: 56.592 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. 0.006 min  
Lab File: VN080969.D  
Acq: 08 Feb 2024 17:22

Tgt Ion:113 Resp: 283623  
Ion Ratio Lower Upper  
113 100  
111 103.6 82.2 123.4  
192 17.0 12.5 18.7

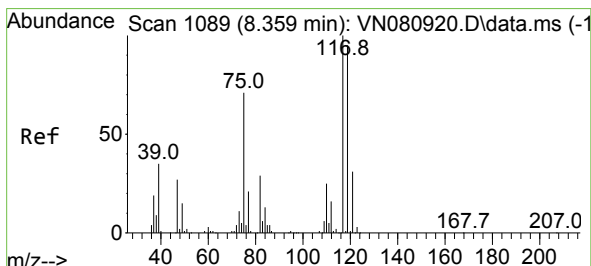
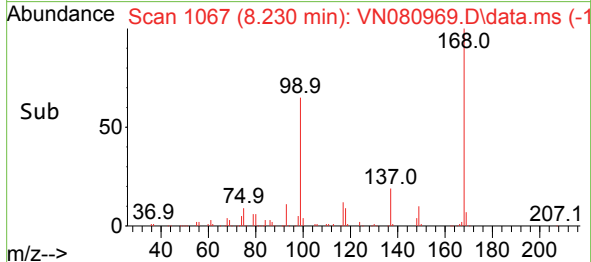
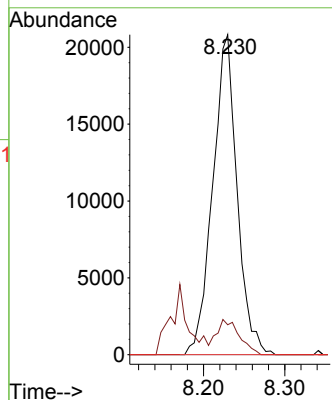
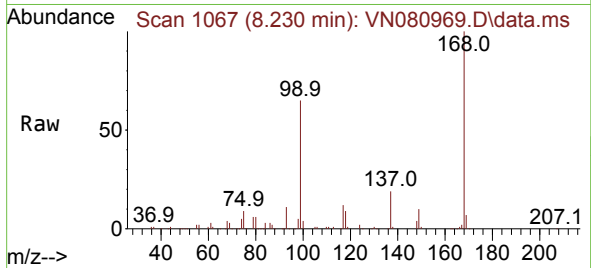




#36  
1,1-Dichloropropene  
Concen: 5.816 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.141 min  
Lab File: VN080969.D  
Acq: 08 Feb 2024 17:22

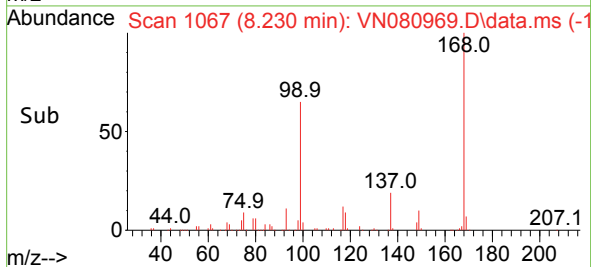
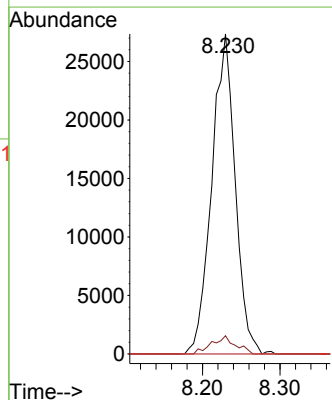
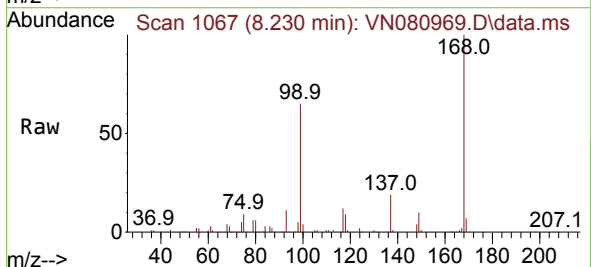
Instrument :  
MSVOA\_N  
ClientSampleId :

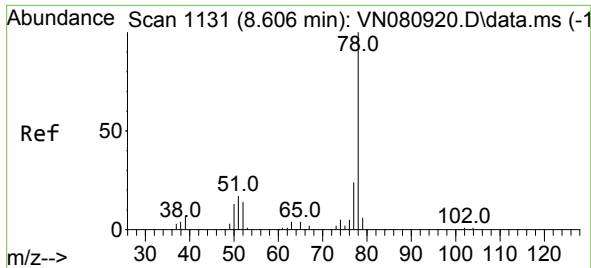
Tgt Ion: 75 Resp: 43364  
Ion Ratio Lower Upper  
75 100  
110 10.3 16.0 48.0#  
77 0.0 25.8 38.6#



#38  
Carbon Tetrachloride  
Concen: 7.527 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.129 min  
Lab File: VN080969.D  
Acq: 08 Feb 2024 17:22

Tgt Ion: 117 Resp: 57526  
Ion Ratio Lower Upper  
117 100  
119 5.7 73.4 110.2#  
121 0.0 24.4 36.6#

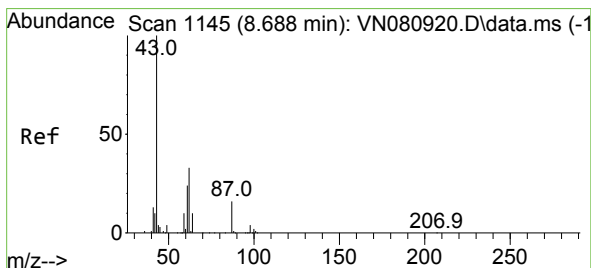
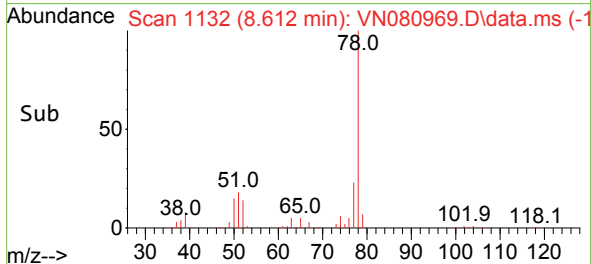
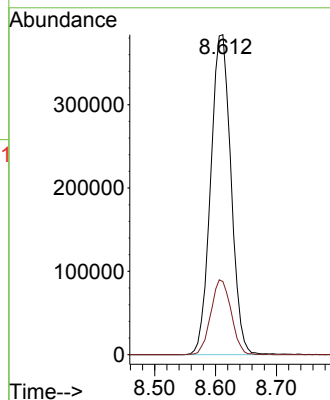
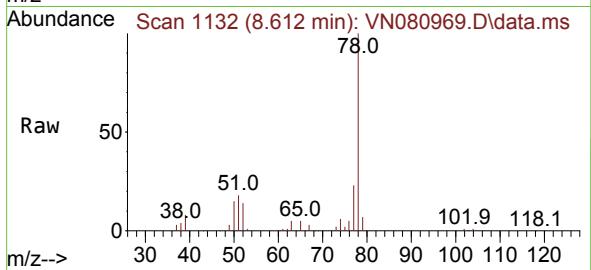




#40  
Benzene  
Concen: 39.173 ug/l  
RT: 8.612 min Scan# 1131  
Delta R.T. 0.006 min  
Lab File: VN080969.D  
Acq: 08 Feb 2024 17:22

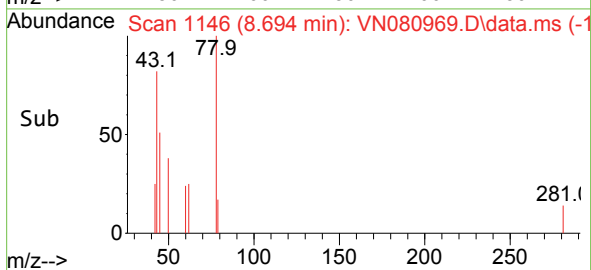
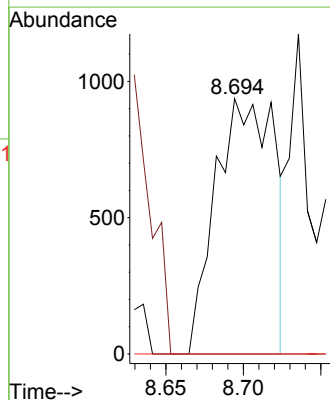
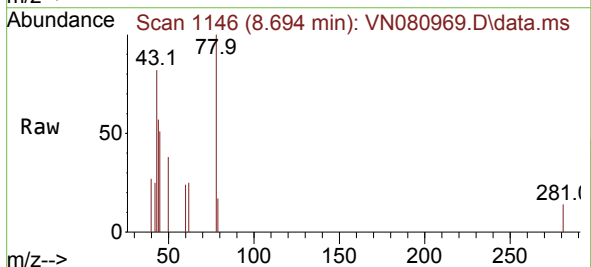
Instrument :  
MSVOA\_N  
ClientSampleId :

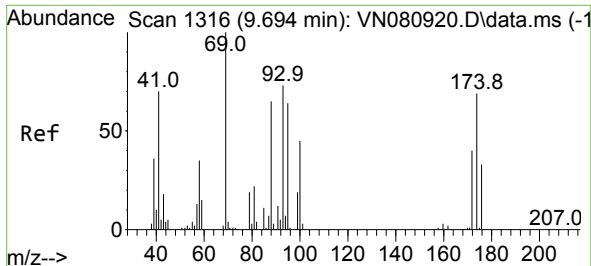
Tgt Ion: 78 Resp: 889015  
Ion Ratio Lower Upper  
78 100  
77 22.8 20.4 30.6



#43  
Isopropyl Acetate  
Concen: 0.239 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.006 min  
Lab File: VN080969.D  
Acq: 08 Feb 2024 17:22

Tgt Ion: 43 Resp: 2476  
Ion Ratio Lower Upper  
43 100  
61 0.0 19.9 29.9#  
87 0.0 9.0 13.6#





#49

1,4-Dioxane

Concen: 0.565 ug/l

RT: 9.706 min Scan# 11

Delta R.T. 0.012 min

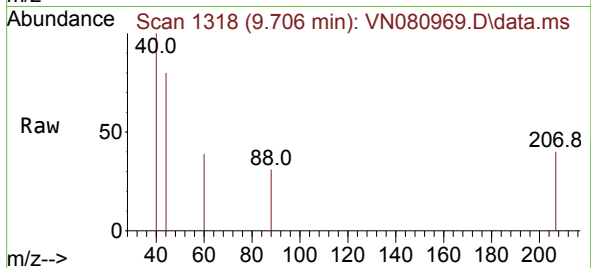
Lab File: VN080969.D

Acq: 08 Feb 2024 17:22

Instrument :

MSVOA\_N

ClientSampleId :



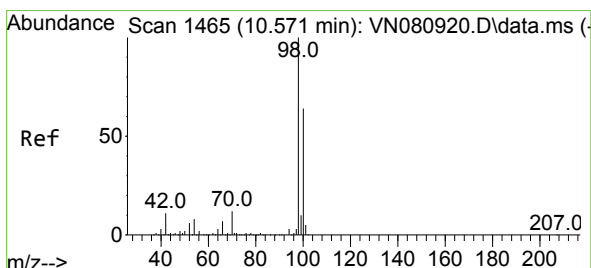
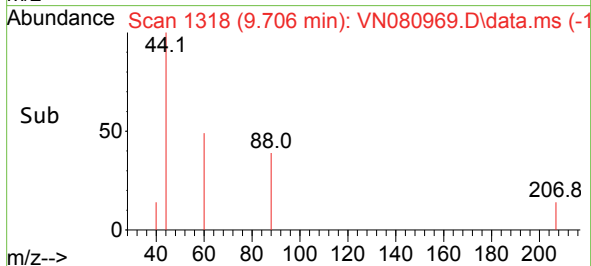
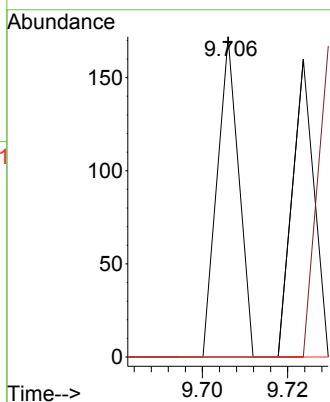
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 54.355 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN080969.D

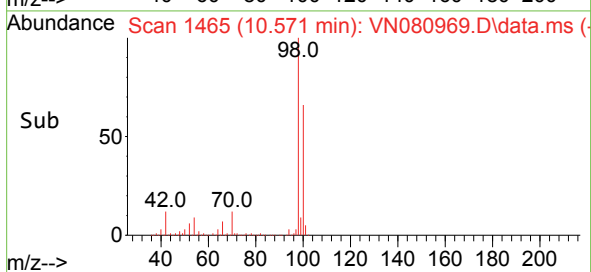
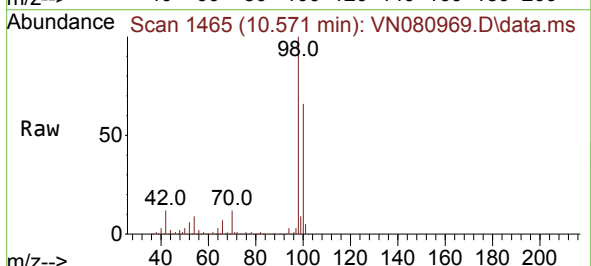
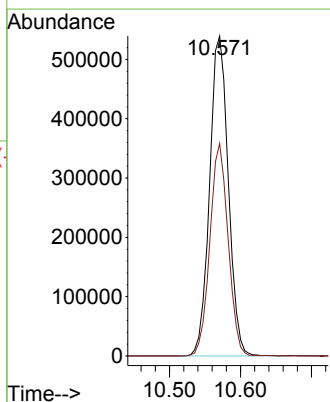
Acq: 08 Feb 2024 17:22

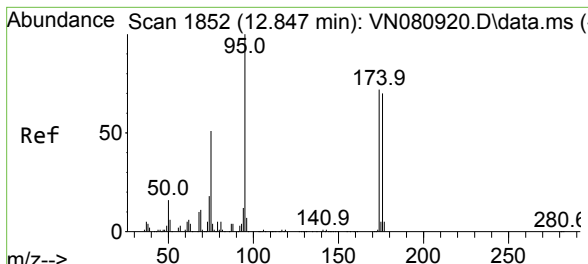
Tgt Ion: 98 Resp: 985328

Ion Ratio Lower Upper

98 100

100 64.8 51.4 77.0

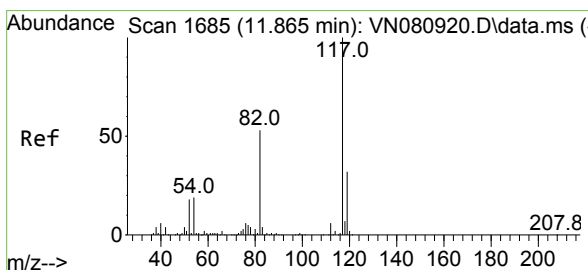
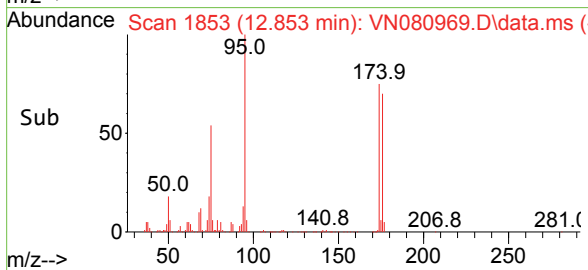
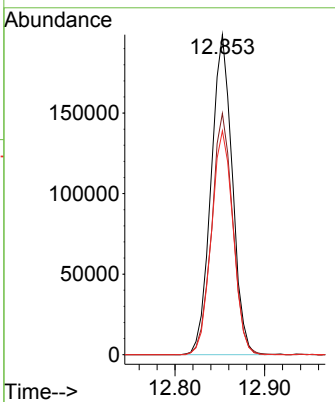
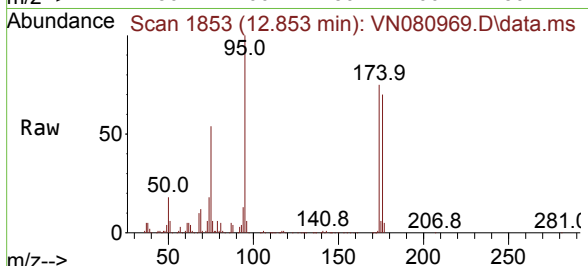




#62  
 4-Bromofluorobenzene  
 Concen: 49.473 ug/l  
 RT: 12.853 min Scan# 1853  
 Delta R.T. 0.006 min  
 Lab File: VN080969.D  
 Acq: 08 Feb 2024 17:22

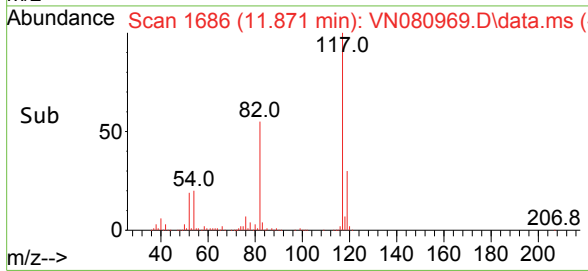
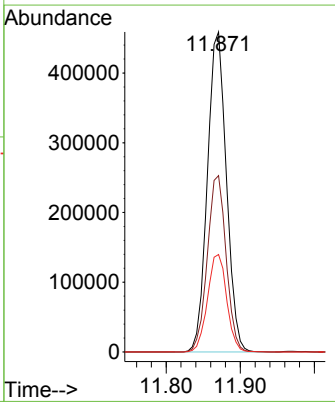
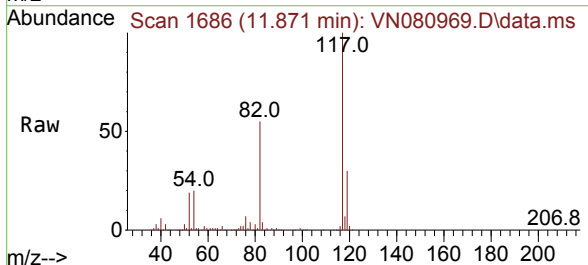
Instrument :  
 MSVOA\_N  
 ClientSampleId :

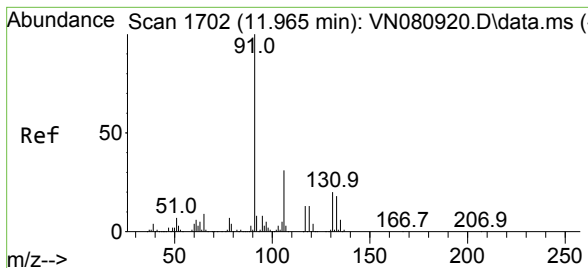
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 325798 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 75.3  | 0.0   | 120.4  |
| 176      | 71.5  | 0.0   | 121.0  |



#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.871 min Scan# 1686  
 Delta R.T. 0.006 min  
 Lab File: VN080969.D  
 Acq: 08 Feb 2024 17:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 815897 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 55.1  | 52.7  | 79.1   |
| 119      | 30.4  | 25.3  | 37.9   |





#67

Ethyl Benzene

Concen: 2.565 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. -0.000 min

Lab File: VN080969.D

Acq: 08 Feb 2024 17:22

Instrument :

MSVOA\_N

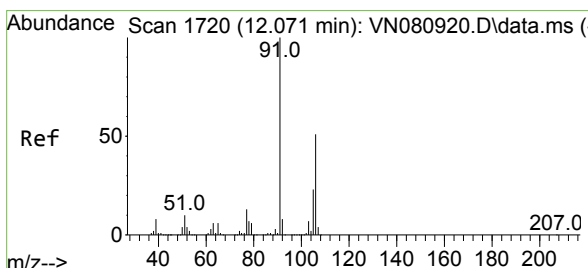
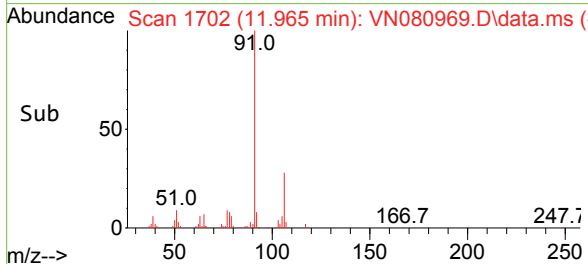
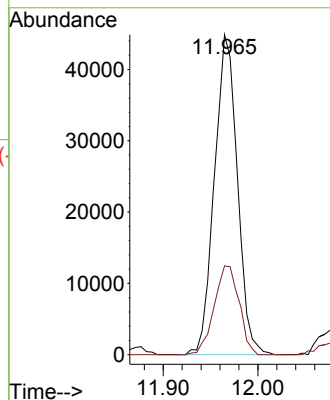
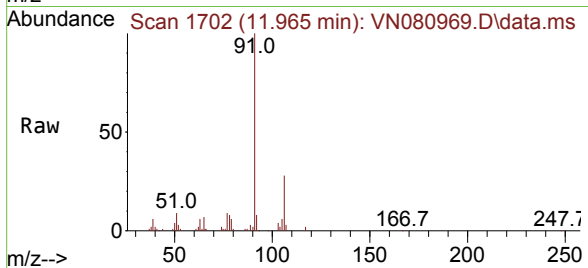
ClientSampleId :

Tgt Ion: 91 Resp: 75549

Ion Ratio Lower Upper

91 100

106 27.7 23.8 35.6



#68

m/p-Xylenes

Concen: 0.305 ug/l

RT: 12.082 min Scan# 1722

Delta R.T. 0.012 min

Lab File: VN080969.D

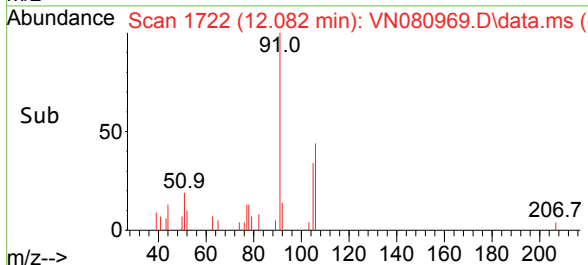
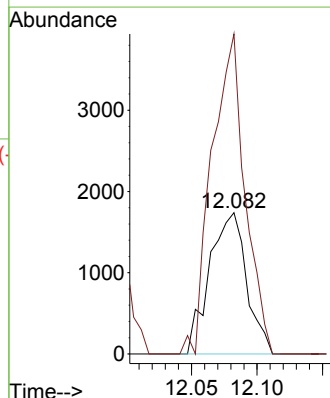
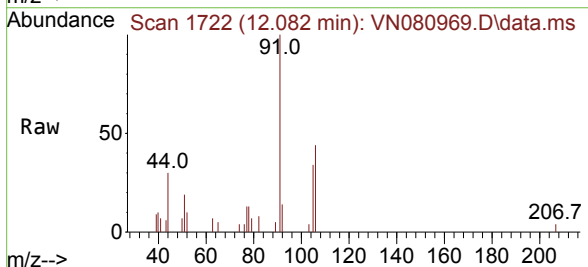
Acq: 08 Feb 2024 17:22

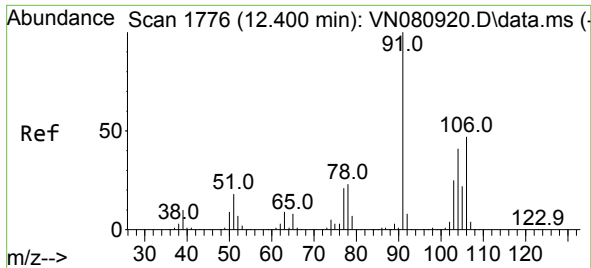
Tgt Ion: 106 Resp: 3417

Ion Ratio Lower Upper

106 100

91 202.9 169.0 253.6

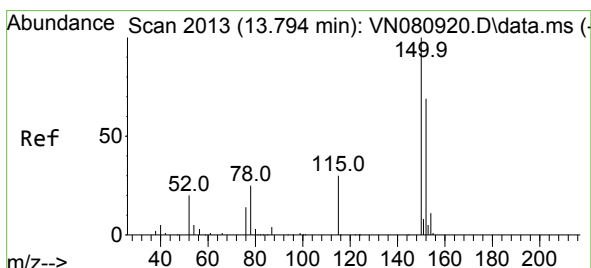
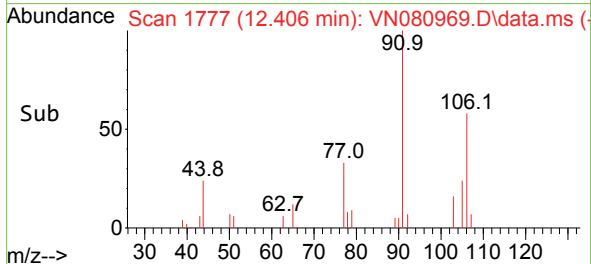
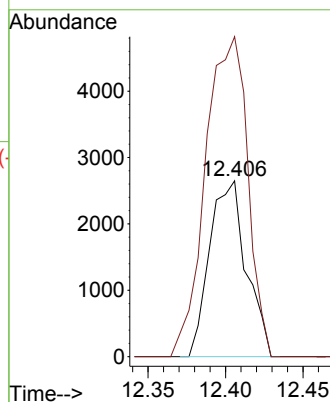
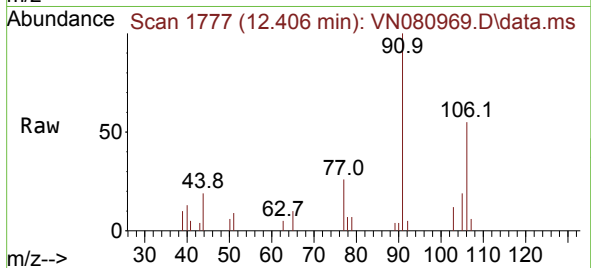




#69  
o-Xylene  
Concen: 0.401 ug/l  
RT: 12.406 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN080969.D  
Acq: 08 Feb 2024 17:22

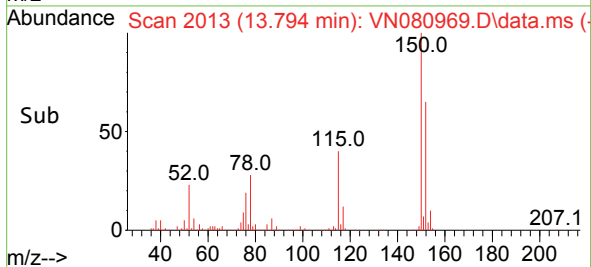
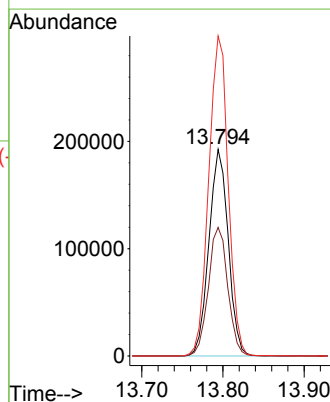
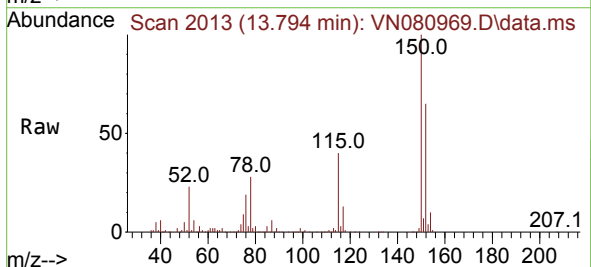
Instrument :  
MSVOA\_N  
ClientSampleId :

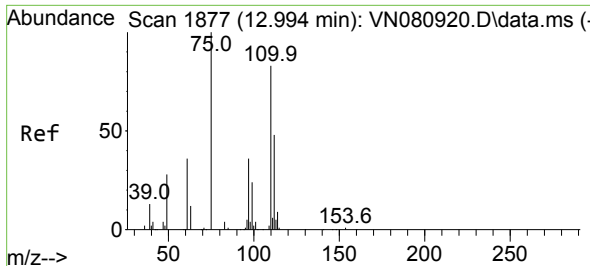
Tgt Ion:106 Resp: 4350  
Ion Ratio Lower Upper  
106 100  
91 209.4 112.1 336.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. -0.000 min  
Lab File: VN080969.D  
Acq: 08 Feb 2024 17:22

Tgt Ion:152 Resp: 317619  
Ion Ratio Lower Upper  
152 100  
115 62.7 32.3 96.8  
150 156.2 0.0 339.8

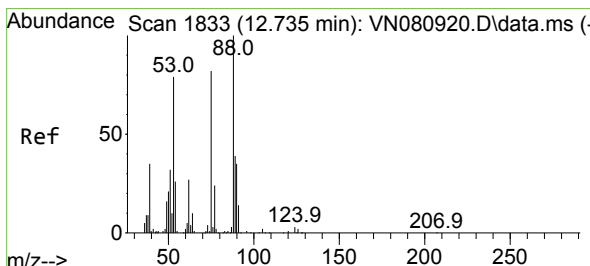
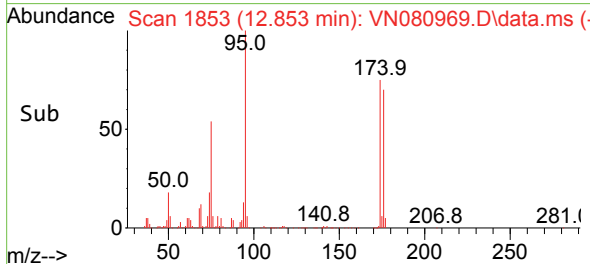
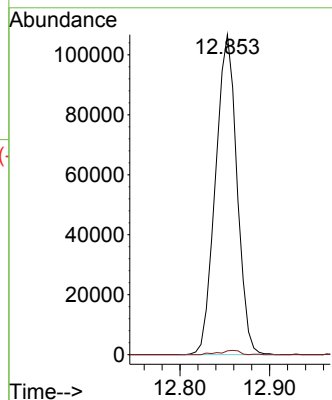
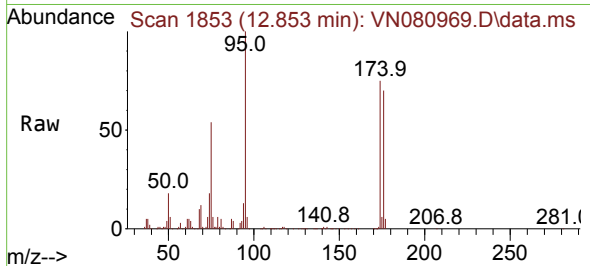




#76  
1,2,3-Trichloropropane  
Concen: 27.361 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.141 min  
Lab File: VN080969.D  
Acq: 08 Feb 2024 17:22

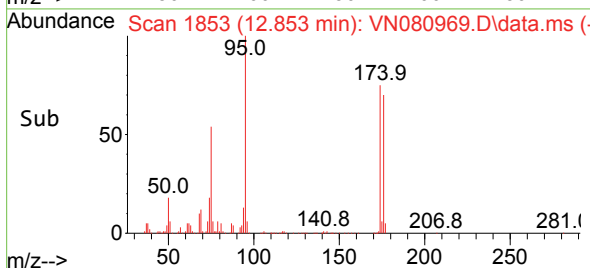
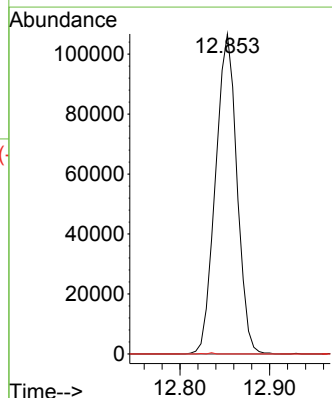
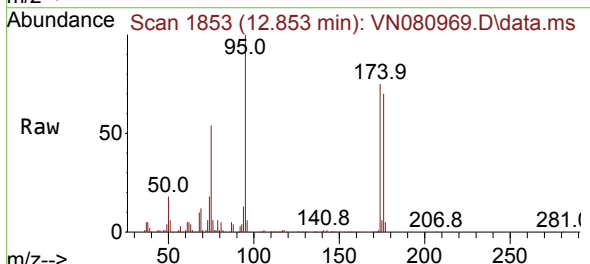
Instrument :  
MSVOA\_N  
ClientSampleId :

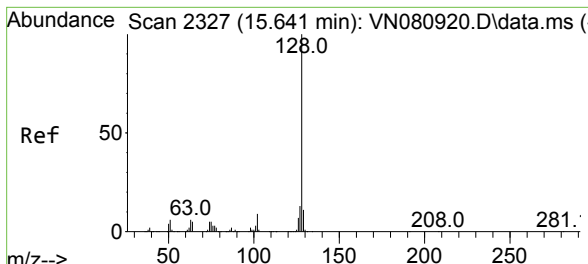
Tgt Ion: 75 Resp: 177189  
Ion Ratio Lower Upper  
75 100  
77 1.3 91.0 272.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 74.335 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.118 min  
Lab File: VN080969.D  
Acq: 08 Feb 2024 17:22

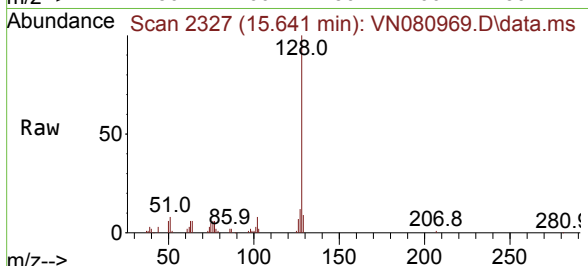
Tgt Ion: 75 Resp: 177189  
Ion Ratio Lower Upper  
75 100  
53 0.0 71.4 107.2#  
89 0.1 33.4 50.0#





#95  
 Naphthalene  
 Concen: 4.304 ug/l  
 RT: 15.641 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VN080969.D  
 Acq: 08 Feb 2024 17:22

Instrument :  
 MSVOA\_N  
 ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 74759 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 13.1  | 10.0  | 15.0  |
| 129       | 11.5  | 8.7   | 13.1  |

