

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060324\  
 Data File : VN082429.D  
 Acq On : 03 Jun 2024 13:01  
 Operator : JC\MD  
 Sample : P2657-03DL 5X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jun 04 00:26:55 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  | 168253   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 300591   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 292466   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 133940   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 140120   | 52.741   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 105.480% |      |
| 35) Dibromofluoromethane    | 8.171  | 113   | 99335    | 53.721   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 107.440% |      |
| 50) Toluene-d8              | 10.571 | 98    | 389859   | 54.993   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 109.980% |      |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 135364   | 53.496   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | = 107.000% |      |

|                               |        |     |        |        |        |     |
|-------------------------------|--------|-----|--------|--------|--------|-----|
| Target Compounds              |        |     |        | Qvalue |        |     |
| 5) Bromomethane               | 2.971  | 94  | 804    | 0.541  | ug/l   | 90  |
| 11) Tert butyl alcohol        | 5.530  | 59  | 186    | 0.436  | ug/l # | 71  |
| 13) Acrolein                  | 4.189  | 56  | 310    | 0.981  | ug/l # | 57  |
| 16) Acetone                   | 4.436  | 43  | 24136  | 22.146 | ug/l   | 97  |
| 17) Carbon Disulfide          | 4.724  | 76  | 1689   | 0.285  | ug/l # | 74  |
| 20) Methylene Chloride        | 5.283  | 84  | 3196   | 1.453  | ug/l # | 78  |
| 25) 2-Butanone                | 7.489  | 43  | 3797   | 2.298  | ug/l # | 73  |
| 31) Cyclohexane               | 8.224  | 56  | 5574   | 1.314  | ug/l # | 50  |
| 36) 1,1-Dichloropropene       | 8.224  | 75  | 15334  | 4.944  | ug/l # | 46  |
| 37) Ethyl Acetate             | 7.577  | 43  | 781    | 0.225  | ug/l # | 68  |
| 38) Carbon Tetrachloride      | 8.224  | 117 | 17474  | 5.558  | ug/l # | 17  |
| 40) Benzene                   | 8.612  | 78  | 174711 | 18.892 | ug/l   | 99  |
| 43) Isopropyl Acetate         | 8.694  | 43  | 51558  | 8.384  | ug/l # | 73  |
| 48) Methyl methacrylate       | 9.671  | 41  | 1254   | 0.428  | ug/l # | 34  |
| 51) 4-Methyl-2-Pentanone      | 10.453 | 43  | 4507   | 1.290  | ug/l # | 72  |
| 52) Toluene                   | 10.629 | 92  | 114912 | 20.706 | ug/l   | 98  |
| 54) cis-1,3-Dichloropropene   | 10.359 | 75  | 9707   | 2.681  | ug/l # | 74  |
| 57) 1,3-Dichloropropane       | 11.206 | 76  | 1326   | 0.352  | ug/l # | 42  |
| 59) 2-Hexanone                | 11.171 | 43  | 26201  | 10.241 | ug/l # | 23  |
| 67) Ethyl Benzene             | 11.965 | 91  | 24545  | 2.124  | ug/l   | 99  |
| 68) m/p-Xylenes               | 12.071 | 106 | 66253  | 15.640 | ug/l   | 92  |
| 69) o-Xylene                  | 12.400 | 106 | 62106  | 15.136 | ug/l   | 90  |
| 70) Styrene                   | 12.412 | 104 | 21552  | 3.162  | ug/l # | 49  |
| 73) Isopropylbenzene          | 12.700 | 105 | 2198   | 0.207  | ug/l   | 96  |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75  | 81052  | 28.751 | ug/l # | 1   |
| 78) n-propylbenzene           | 13.041 | 91  | 4149   | 0.329  | ug/l   | 86  |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105 | 27901  | 3.243  | ug/l   | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75  | 81052  | 67.247 | ug/l # | 12  |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105 | 63457  | 7.209  | ug/l   | 96  |
| 85) sec-Butylbenzene          | 13.482 | 105 | 63457  | 6.082  | ug/l # | 56  |
| 86) p-Isopropyltoluene        | 13.712 | 119 | 4022   | 0.474  | ug/l # | 64  |
| 89) n-Butylbenzene            | 14.053 | 91  | 1920   | 0.252  | ug/l   | 79  |
| 90) Hexachloroethane          | 14.406 | 117 | 609    | 0.388  | ug/l # | 17  |
| 92) 1,2-Dibromo-3-Chloropr... | 14.729 | 75  | 578    | 0.917  | ug/l # | 2   |
| 93) 1,2,4-Trichlorobenzene    | 15.400 | 180 | 921    | 0.378  | ug/l   | 89  |
| 94) Hexachlorobutadiene       | 15.512 | 225 | 569    | 0.532  | ug/l # | 34  |

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Sample : P2657-03DL 5X  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Jun 04 00:26:55 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

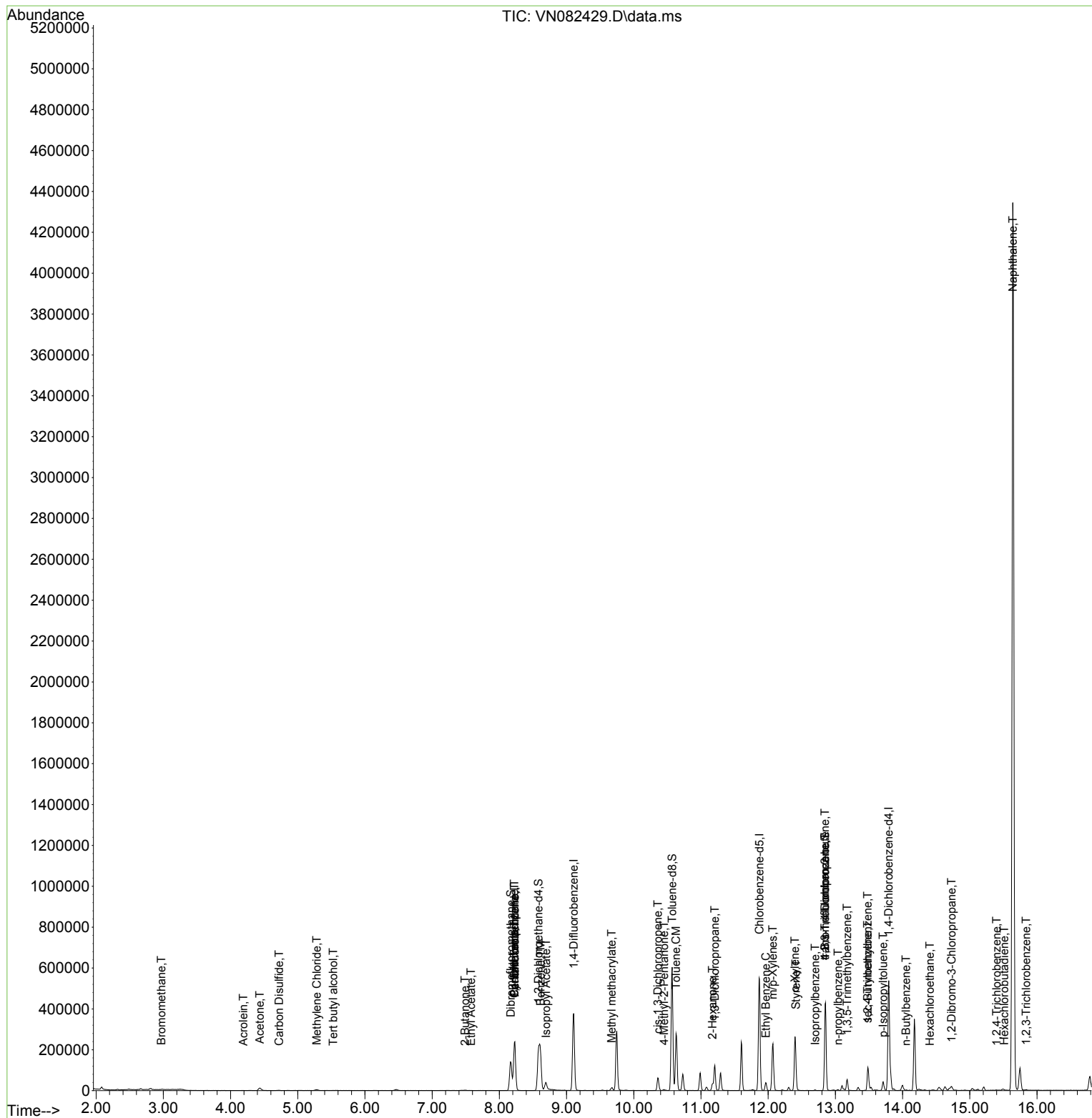
| Compound                   | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|----------------------------|--------|------|----------|---------|-------|----------|
| 95) Naphthalene            | 15.641 | 128  | 3771508  | 493.712 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.841 | 180  | 911      | 0.373   | ug/l  | 89       |

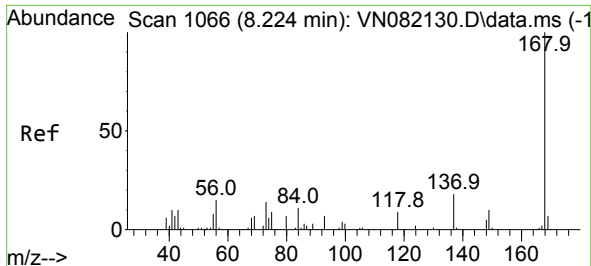
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_N  
ClientSampleId :

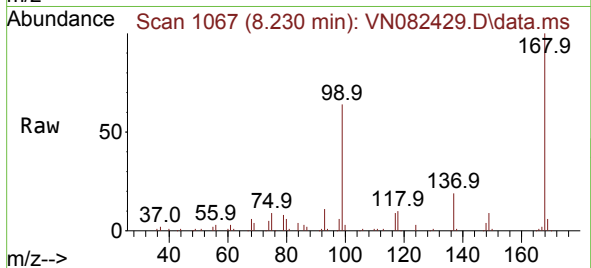
Quant Time: Jun 04 00:26:55 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
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QLast Update : Thu May 16 05:21:06 2024  
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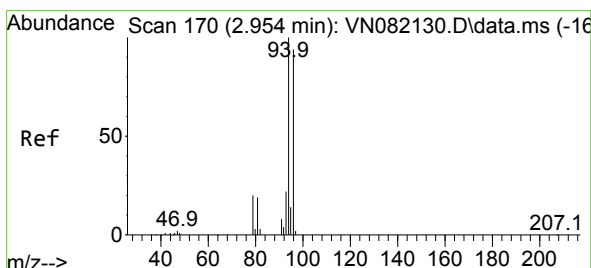
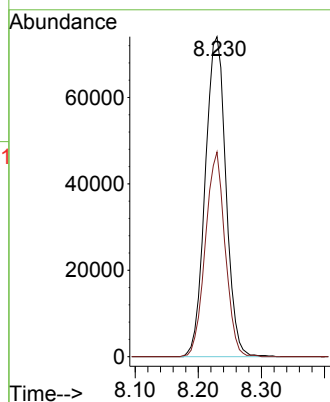
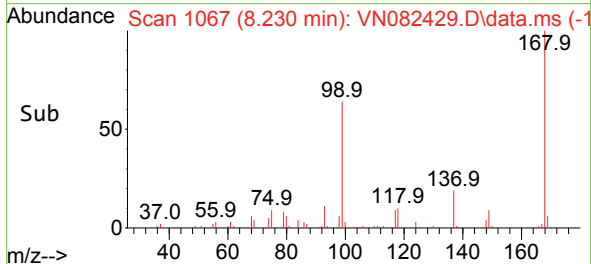


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN082429.D  
Acq: 03 Jun 2024 13:01

Instrument :  
MSVOA\_N  
ClientSampleId :

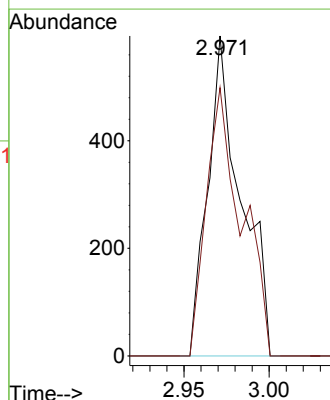
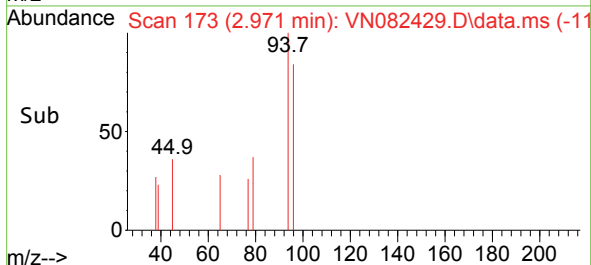
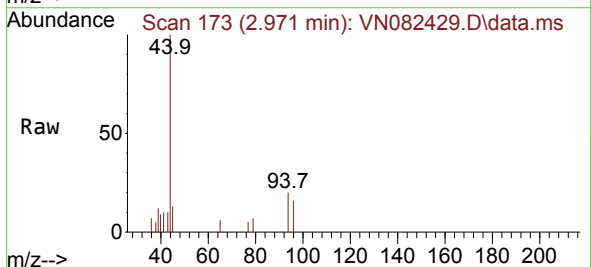


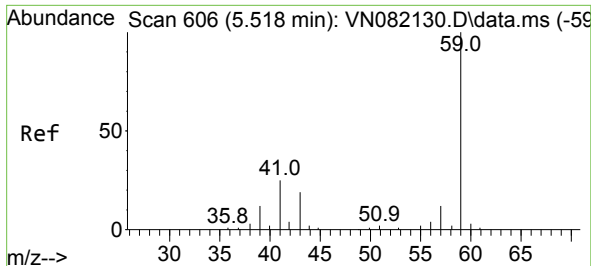
Tgt Ion:168 Resp: 168253  
Ion Ratio Lower Upper  
168 100  
99 64.0 48.2 72.4



#5  
Bromomethane  
Concen: 0.541 ug/l  
RT: 2.971 min Scan# 173  
Delta R.T. 0.018 min  
Lab File: VN082429.D  
Acq: 03 Jun 2024 13:01

Tgt Ion: 94 Resp: 804  
Ion Ratio Lower Upper  
94 100  
96 83.9 74.8 112.2

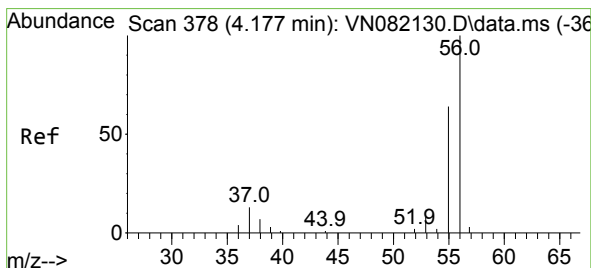
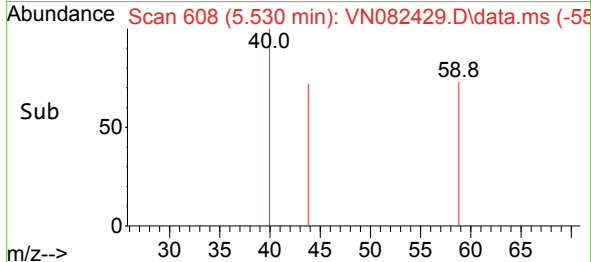
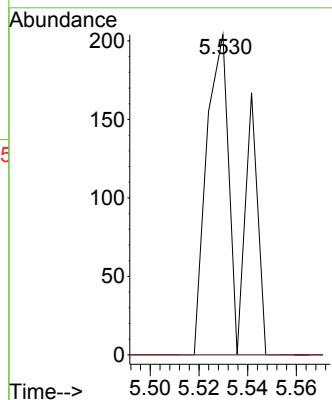
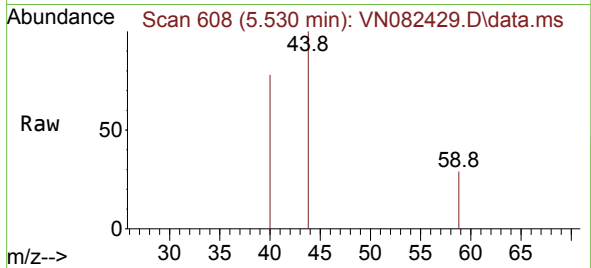




#11  
Tert butyl alcohol  
Concen: 0.436 ug/l  
RT: 5.530 min Scan# 606  
Delta R.T. 0.012 min  
Lab File: VN082429.D  
Acq: 03 Jun 2024 13:01

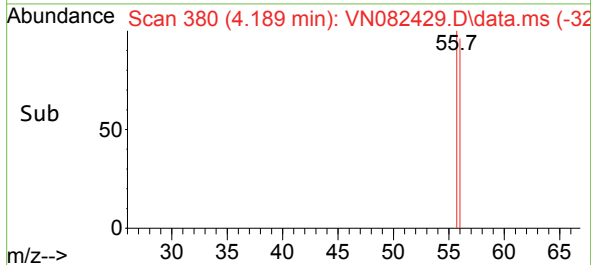
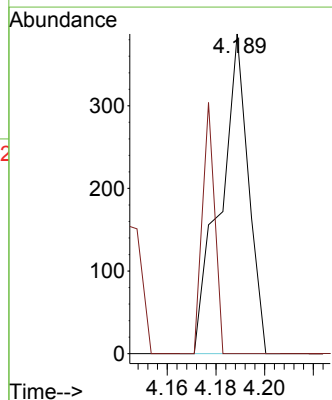
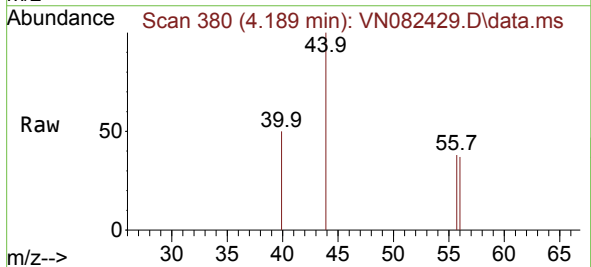
Instrument :  
MSVOA\_N  
ClientSampleId :

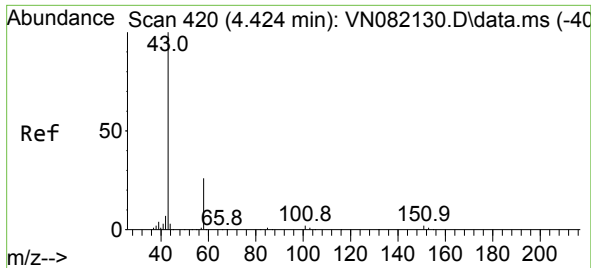
Tgt Ion: 59 Resp: 186  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.9 13.3#



#13  
Acrolein  
Concen: 0.981 ug/l  
RT: 4.189 min Scan# 380  
Delta R.T. 0.012 min  
Lab File: VN082429.D  
Acq: 03 Jun 2024 13:01

Tgt Ion: 56 Resp: 310  
Ion Ratio Lower Upper  
56 100  
55 34.5 55.8 83.8#

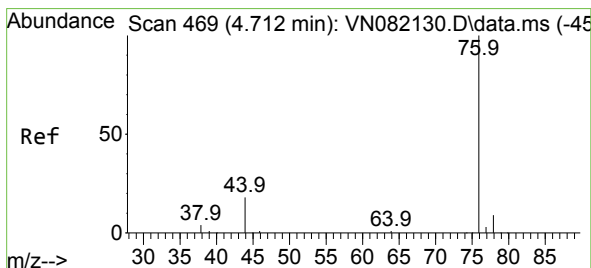
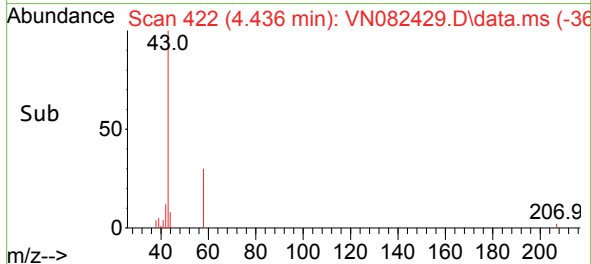
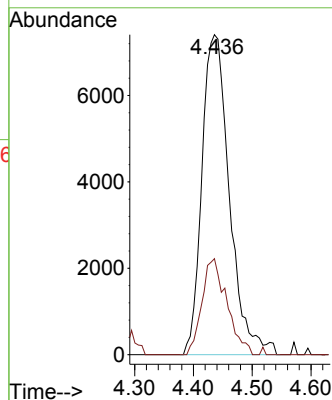
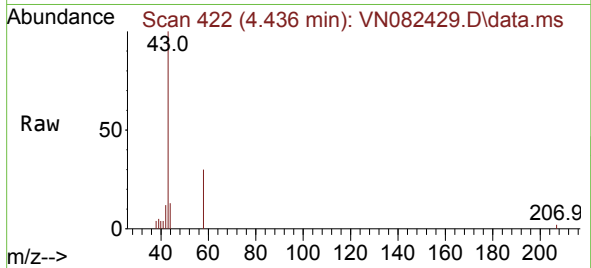




#16  
Acetone  
Concen: 22.146 ug/l  
RT: 4.436 min Scan# 41  
Delta R.T. 0.012 min  
Lab File: VN082429.D  
Acq: 03 Jun 2024 13:01

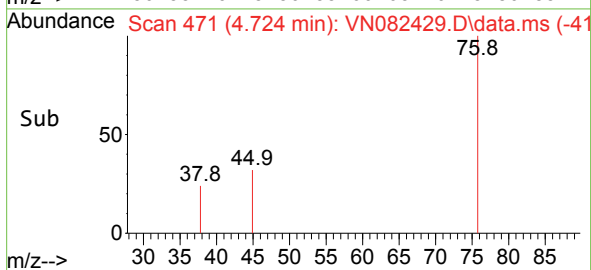
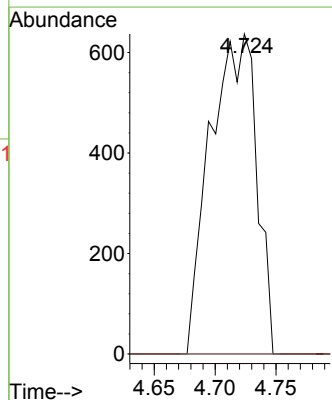
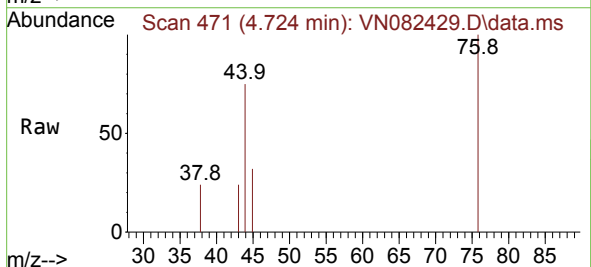
Instrument :  
MSVOA\_N  
ClientSampleId :

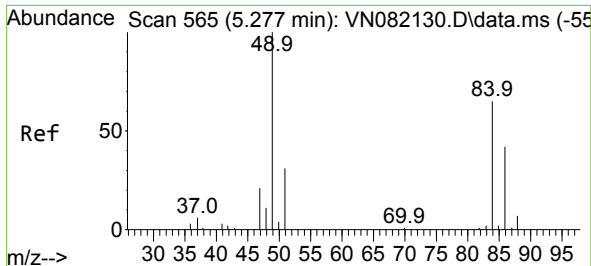
Tgt Ion: 43 Resp: 24136  
Ion Ratio Lower Upper  
43 100  
58 30.0 25.2 37.8



#17  
Carbon Disulfide  
Concen: 0.285 ug/l  
RT: 4.724 min Scan# 471  
Delta R.T. 0.012 min  
Lab File: VN082429.D  
Acq: 03 Jun 2024 13:01

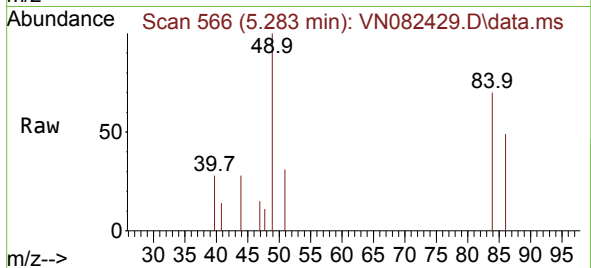
Tgt Ion: 76 Resp: 1689  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.5 11.3#



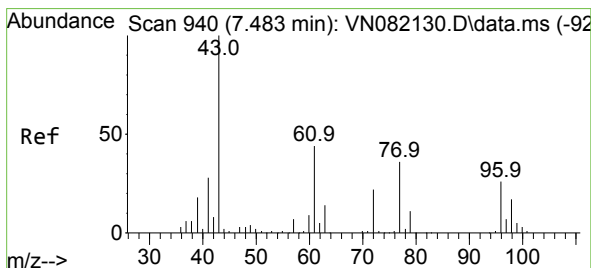
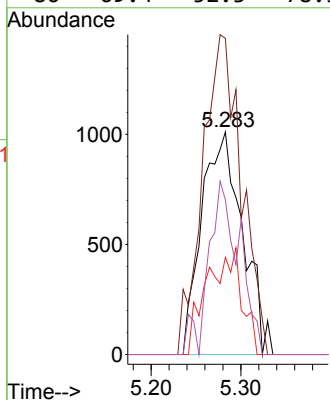
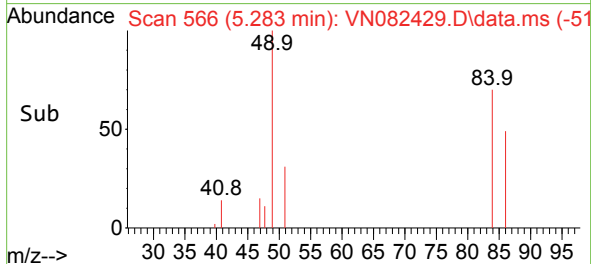


#20  
Methylene Chloride  
Concen: 1.453 ug/l  
RT: 5.283 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN082429.D  
Acq: 03 Jun 2024 13:01

Instrument :  
MSVOA\_N  
ClientSampleId :

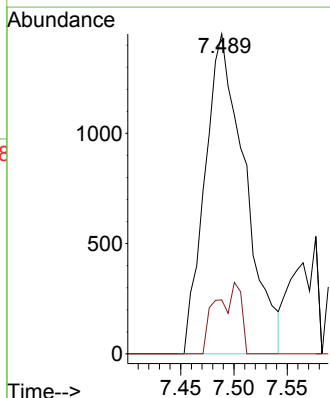
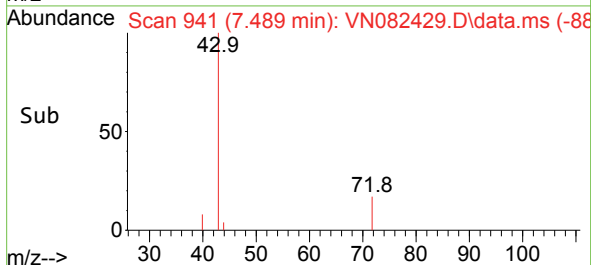
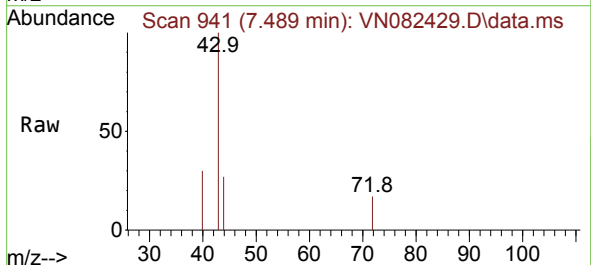


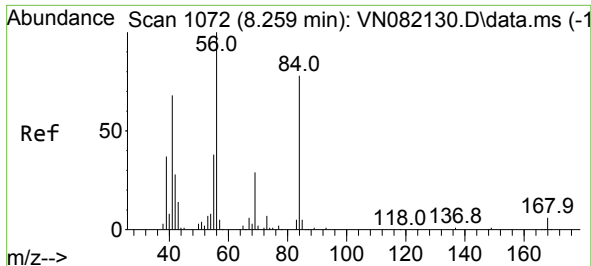
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|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 3196   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 142.0 | 84.9  | 127.3# |
| 51       | 43.7  | 27.0  | 40.6#  |
| 86       | 69.4  | 52.3  | 78.5   |



#25  
2-Butanone  
Concen: 2.298 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN082429.D  
Acq: 03 Jun 2024 13:01

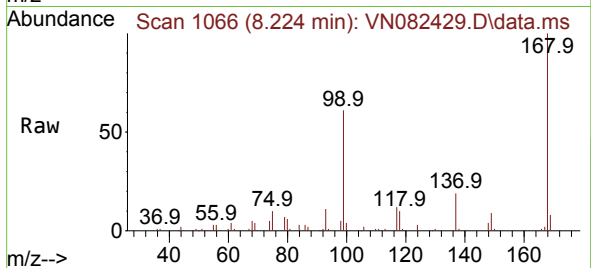
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 3797  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 16.9  | 25.3  | 37.9# |



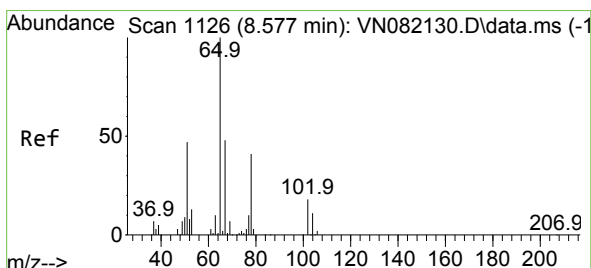
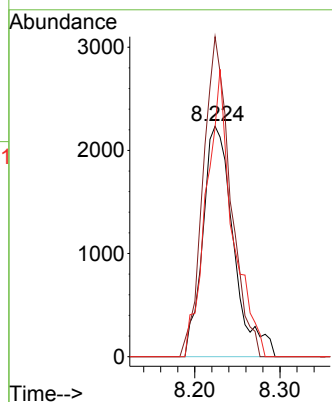
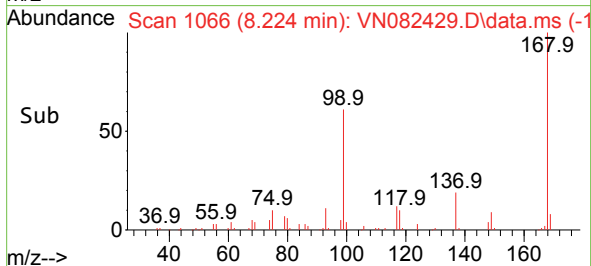


#31  
Cyclohexane  
Concen: 1.314 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.035 min  
Lab File: VN082429.D  
Acq: 03 Jun 2024 13:01

Instrument :  
MSVOA\_N  
ClientSampleId :

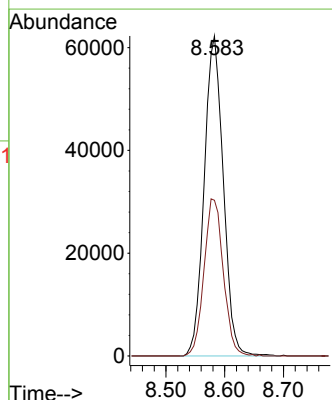
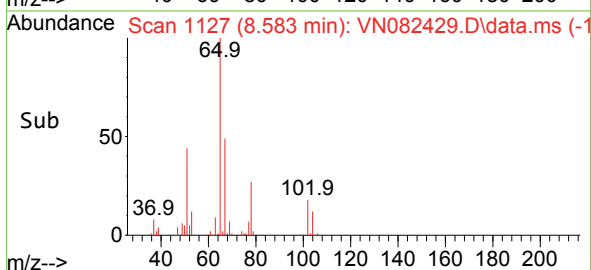
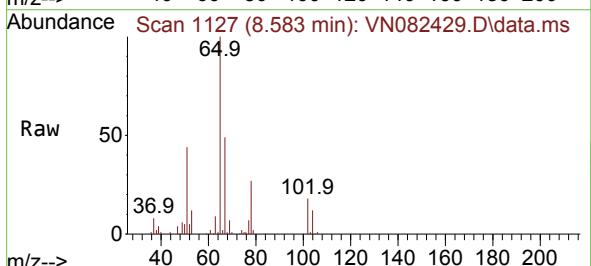


Tgt Ion: 56 Resp: 5574  
Ion Ratio Lower Upper  
56 100  
69 138.9 24.4 36.6#  
84 99.5 77.0 115.4

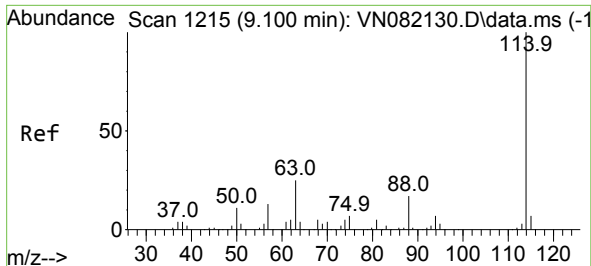


#33  
1,2-Dichloroethane-d4  
Concen: 52.741 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VN082429.D  
Acq: 03 Jun 2024 13:01

Tgt Ion: 65 Resp: 140120  
Ion Ratio Lower Upper  
65 100  
67 49.7 0.0 103.0



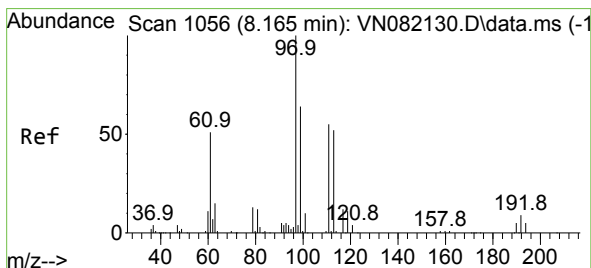
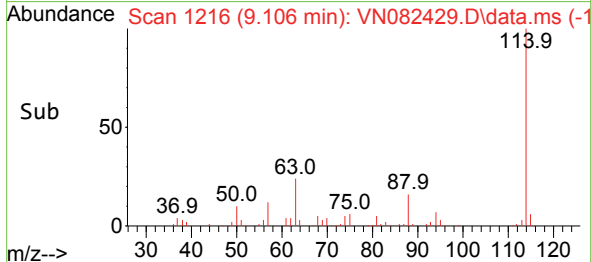
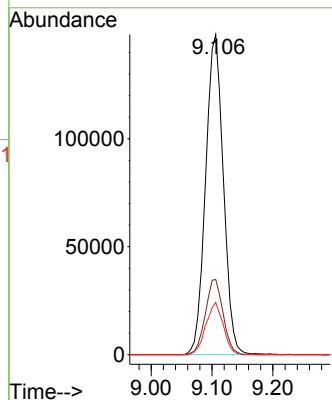
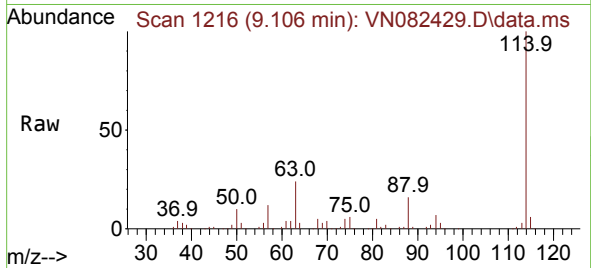




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN082429.D  
Acq: 03 Jun 2024 13:01

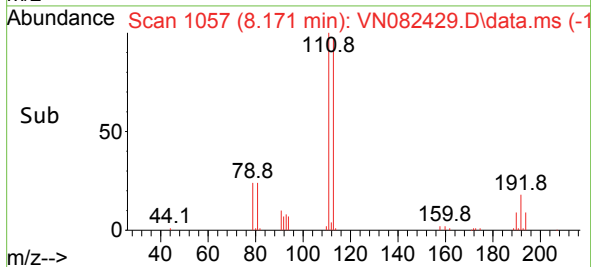
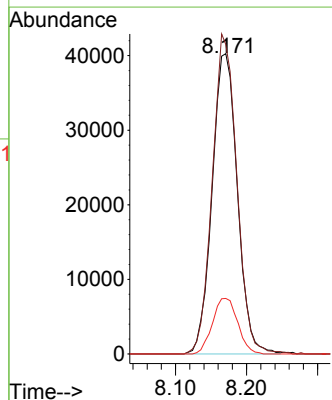
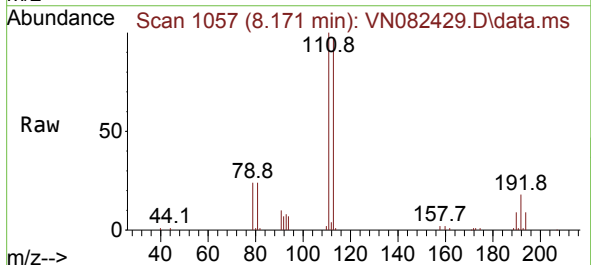
Instrument :  
MSVOA\_N  
ClientSampleId :

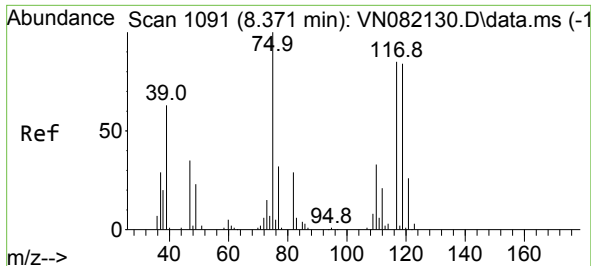
Tgt Ion:114 Resp: 300591  
Ion Ratio Lower Upper  
114 100  
63 23.5 0.0 41.0  
88 16.3 0.0 31.4



#35  
Dibromofluoromethane  
Concen: 53.721 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. 0.006 min  
Lab File: VN082429.D  
Acq: 03 Jun 2024 13:01

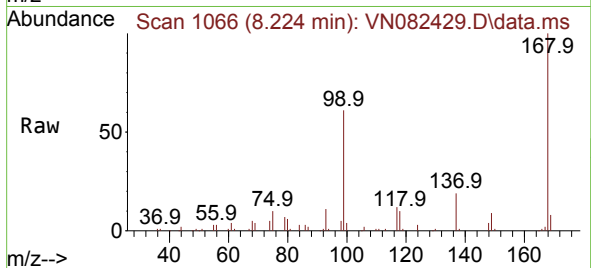
Tgt Ion:113 Resp: 99335  
Ion Ratio Lower Upper  
113 100  
111 103.4 83.4 125.2  
192 18.5 14.0 21.0



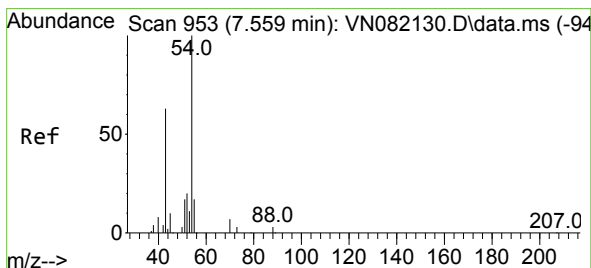
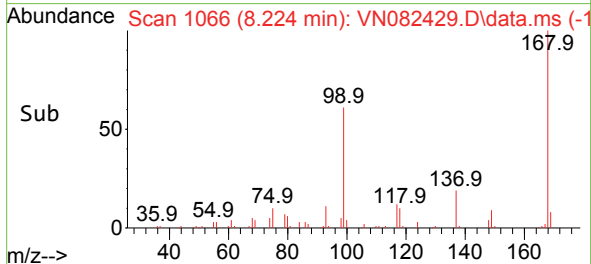
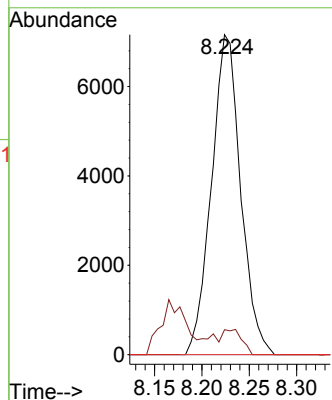


#36  
1,1-Dichloropropene  
Concen: 4.944 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.147 min  
Lab File: VN082429.D  
Acq: 03 Jun 2024 13:01

Instrument :  
MSVOA\_N  
ClientSampleId :

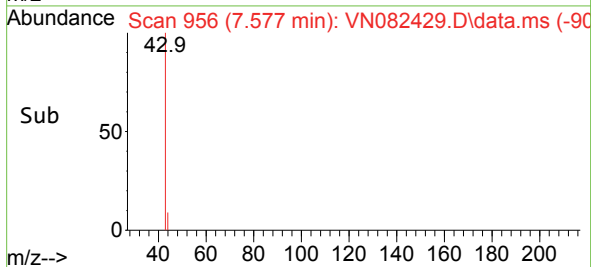
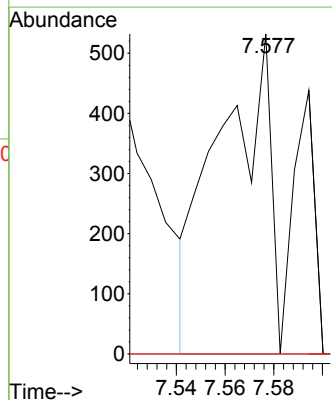
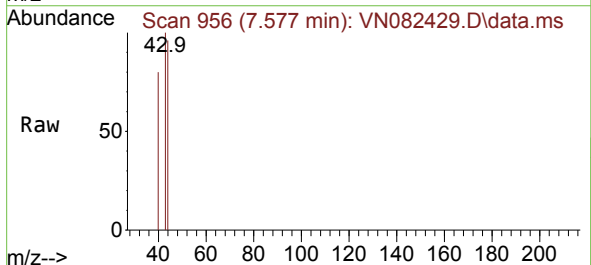


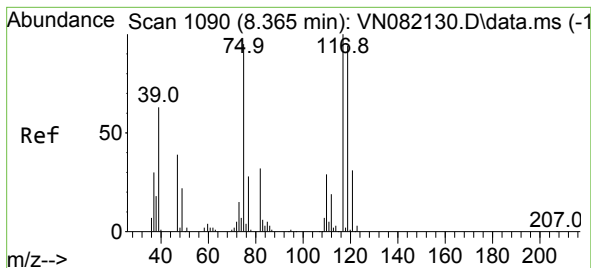
Tgt Ion: 75 Resp: 15334  
Ion Ratio Lower Upper  
75 100  
110 5.1 17.8 53.5#  
77 0.0 25.0 37.4#



#37  
Ethyl Acetate  
Concen: 0.225 ug/l  
RT: 7.577 min Scan# 956  
Delta R.T. 0.018 min  
Lab File: VN082429.D  
Acq: 03 Jun 2024 13:01

Tgt Ion: 43 Resp: 781  
Ion Ratio Lower Upper  
43 100  
61 0.0 11.3 16.9#  
70 0.0 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.558 ug/l

RT: 8.224 min Scan# 1106

Delta R.T. -0.141 min

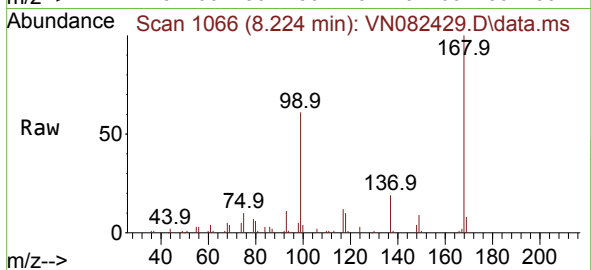
Lab File: VN082429.D

Acq: 03 Jun 2024 13:01

Instrument :

MSVOA\_N

ClientSampleId :



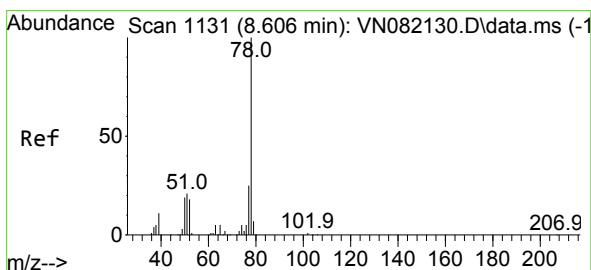
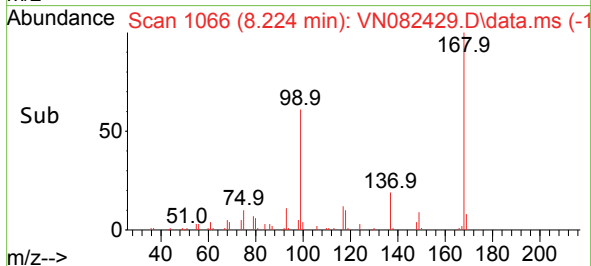
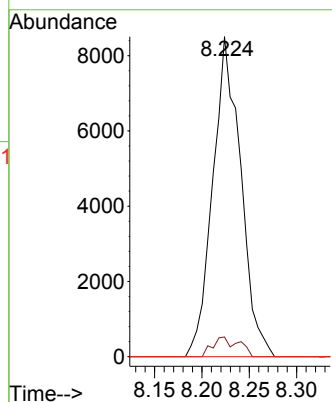
Tgt Ion:117 Resp: 17474

Ion Ratio Lower Upper

117 100

119 6.1 76.5 114.7#

121 0.0 23.9 35.9#



#40

Benzene

Concen: 18.892 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VN082429.D

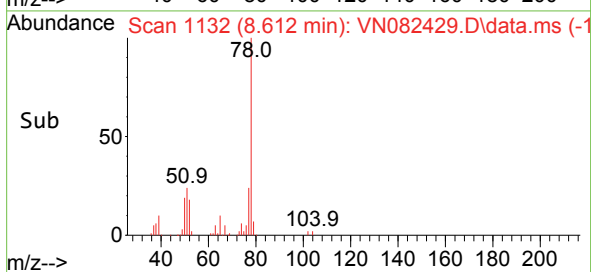
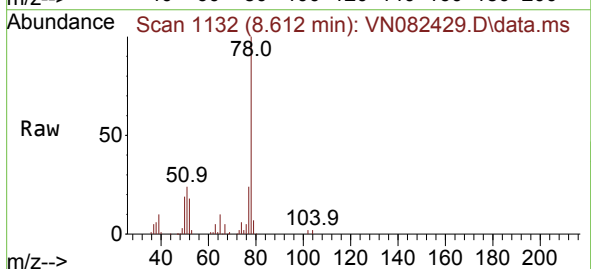
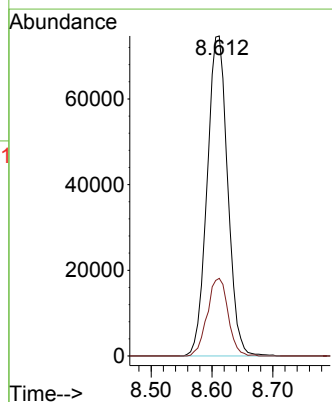
Acq: 03 Jun 2024 13:01

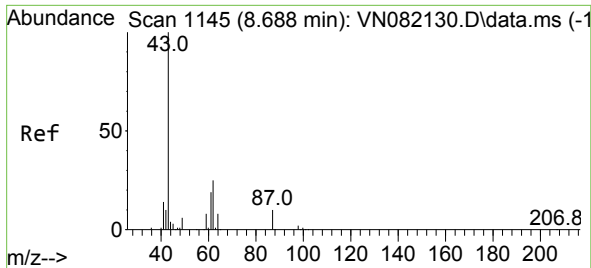
Tgt Ion: 78 Resp: 174711

Ion Ratio Lower Upper

78 100

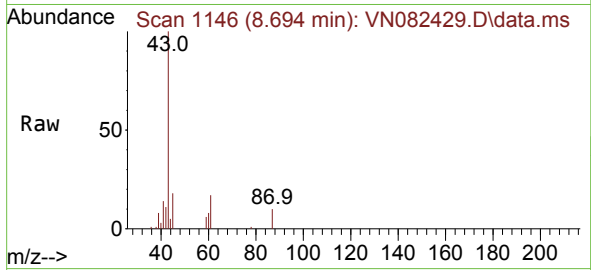
77 24.3 20.0 30.0



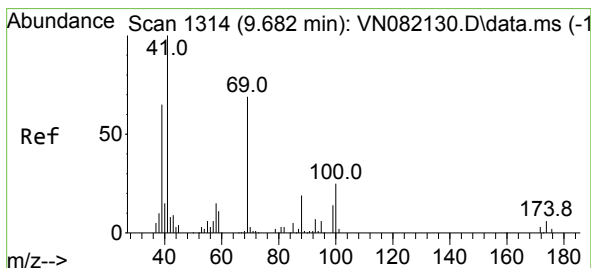
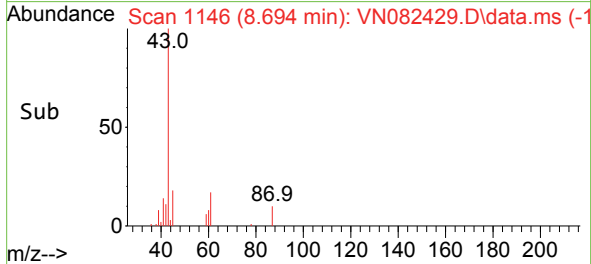
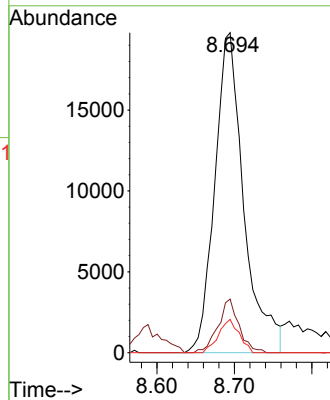


#43  
Isopropyl Acetate  
Concen: 8.384 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.006 min  
Lab File: VN082429.D  
Acq: 03 Jun 2024 13:01

Instrument :  
MSVOA\_N  
ClientSampleId :

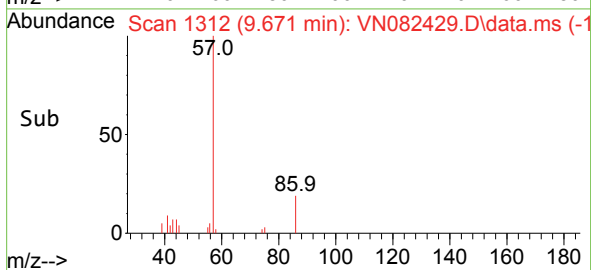
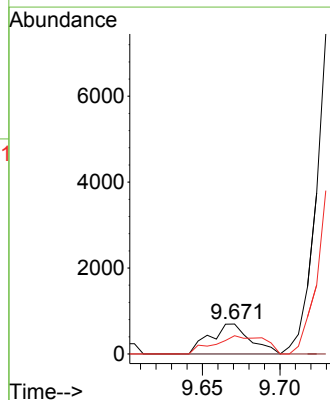
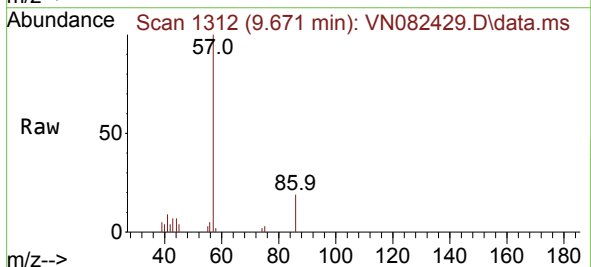


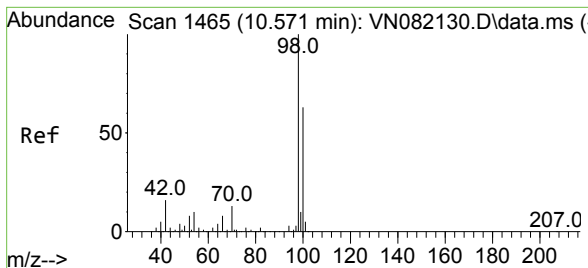
Tgt Ion: 43 Resp: 51558  
Ion Ratio Lower Upper  
43 100  
61 12.1 22.8 34.2#  
87 7.3 12.0 18.0#



#48  
Methyl methacrylate  
Concen: 0.428 ug/l  
RT: 9.671 min Scan# 1312  
Delta R.T. -0.012 min  
Lab File: VN082429.D  
Acq: 03 Jun 2024 13:01

Tgt Ion: 41 Resp: 1254  
Ion Ratio Lower Upper  
41 100  
69 0.0 77.9 116.9#  
39 76.3 50.9 76.3

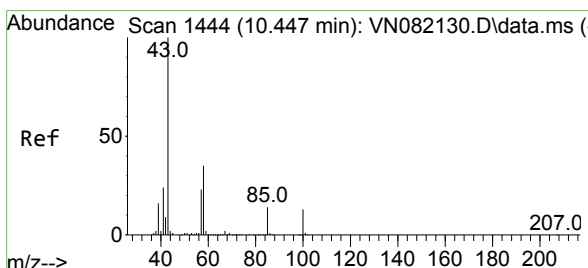
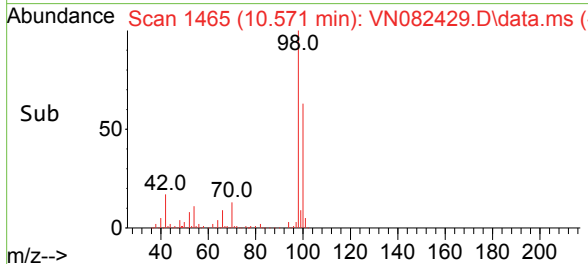
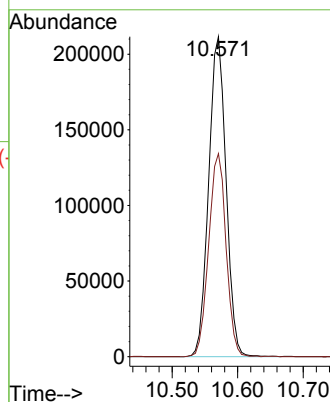
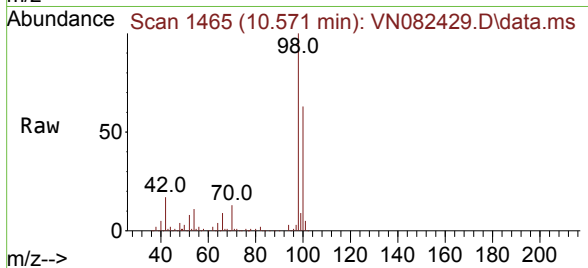




#50  
Toluene-d8  
Concen: 54.993 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN082429.D  
Acq: 03 Jun 2024 13:01

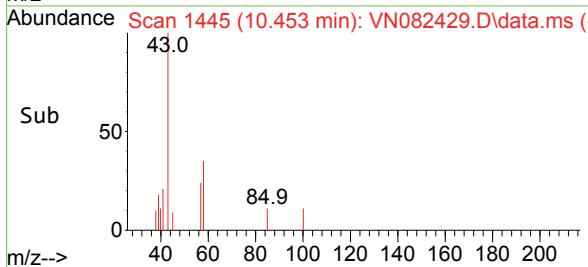
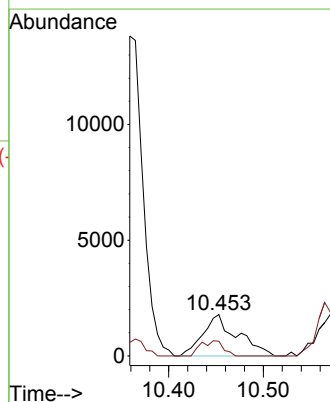
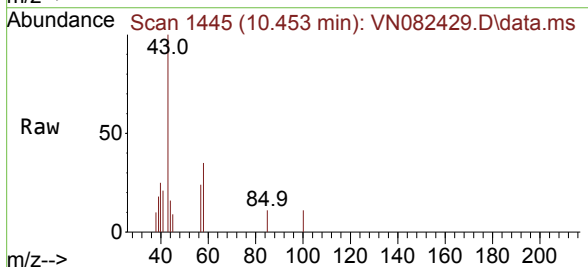
Instrument :  
MSVOA\_N  
ClientSampleId :

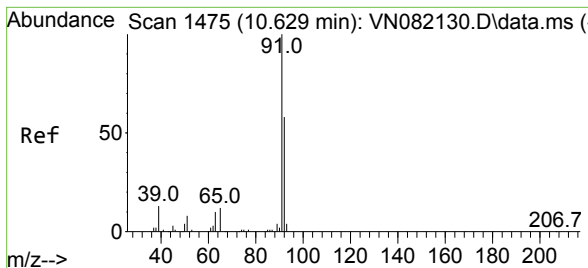
Tgt Ion: 98 Resp: 389859  
Ion Ratio Lower Upper  
98 100  
100 63.5 51.8 77.6



#51  
4-Methyl-2-Pentanone  
Concen: 1.290 ug/l  
RT: 10.453 min Scan# 1445  
Delta R.T. 0.006 min  
Lab File: VN082429.D  
Acq: 03 Jun 2024 13:01

Tgt Ion: 43 Resp: 4507  
Ion Ratio Lower Upper  
43 100  
58 24.1 33.2 49.8#





#52

Toluene

Concen: 20.706 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN082429.D

Acq: 03 Jun 2024 13:01

Instrument :

MSVOA\_N

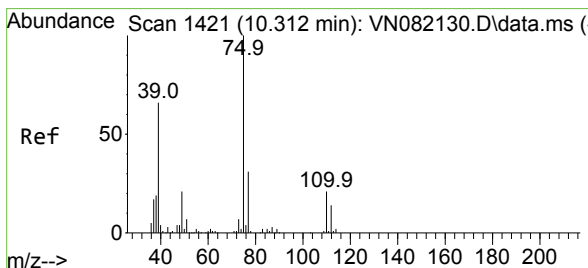
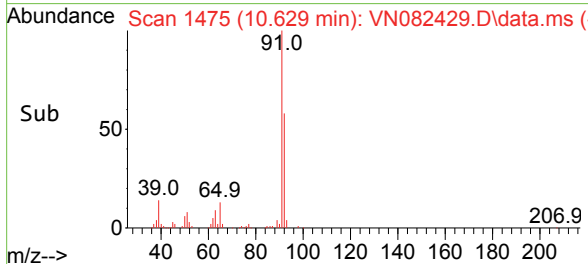
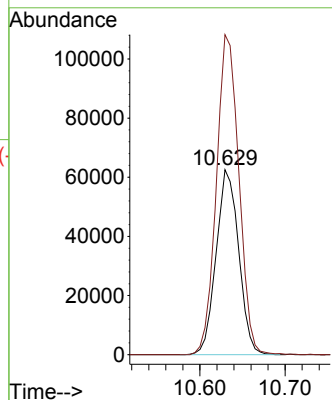
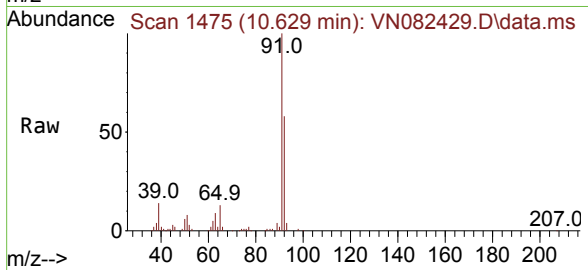
ClientSampleId :

Tgt Ion: 92 Resp: 114912

Ion Ratio Lower Upper

92 100

91 173.1 136.7 205.1



#54

cis-1,3-Dichloropropene

Concen: 2.681 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. 0.047 min

Lab File: VN082429.D

Acq: 03 Jun 2024 13:01

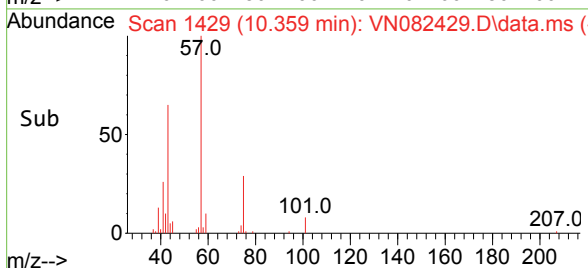
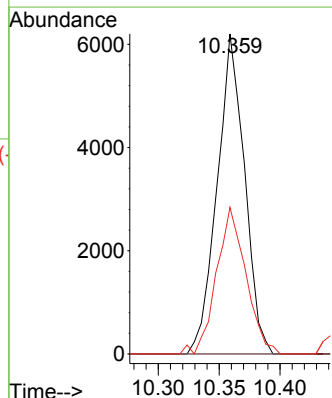
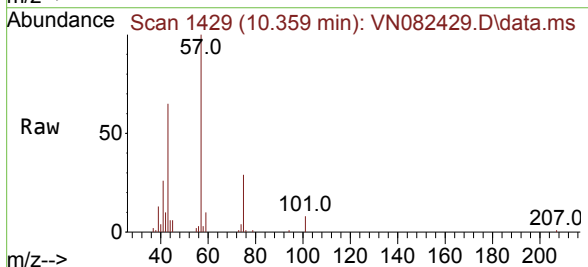
Tgt Ion: 75 Resp: 9707

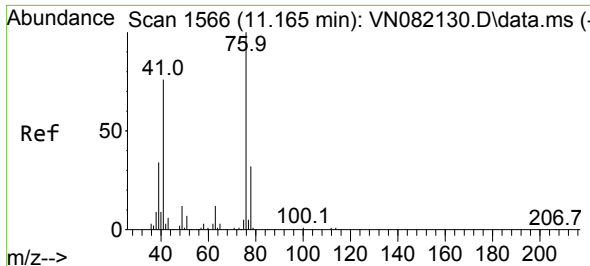
Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.4#

39 45.8 34.8 52.2

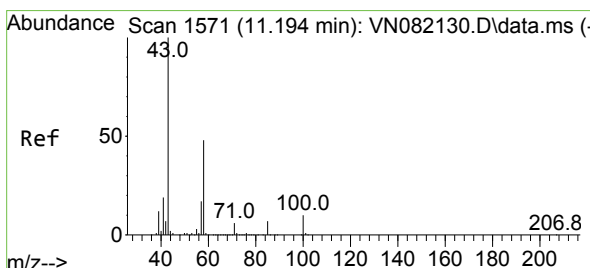
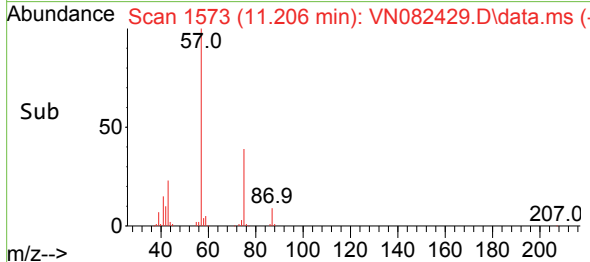
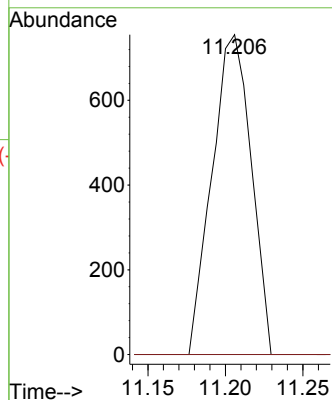
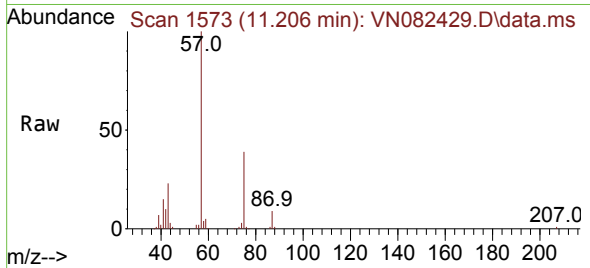




#57  
1,3-Dichloropropane  
Concen: 0.352 ug/l  
RT: 11.206 min Scan# 11  
Delta R.T. 0.041 min  
Lab File: VN082429.D  
Acq: 03 Jun 2024 13:01

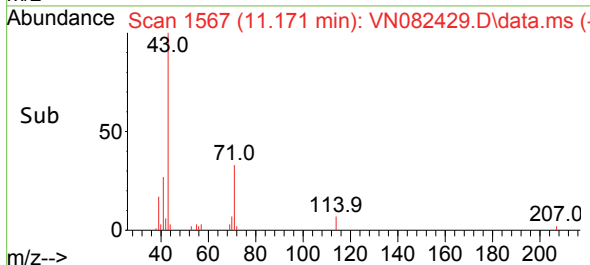
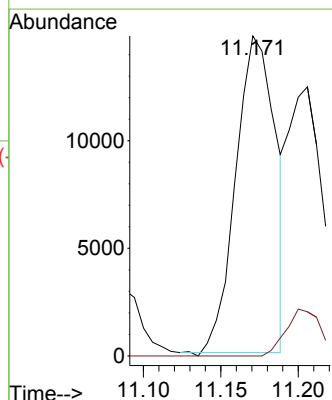
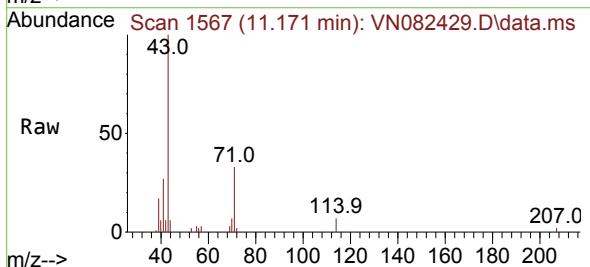
Instrument :  
MSVOA\_N  
ClientSampleId :

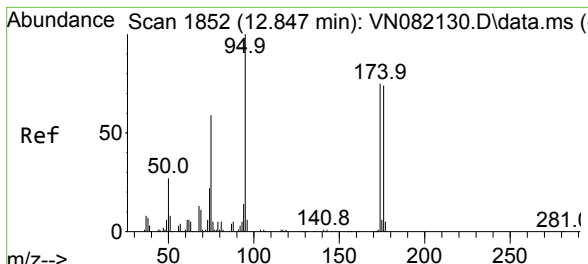
Tgt Ion: 76 Resp: 1326  
Ion Ratio Lower Upper  
76 100  
78 0.0 25.8 38.6#



#59  
2-Hexanone  
Concen: 10.241 ug/l  
RT: 11.171 min Scan# 1567  
Delta R.T. -0.024 min  
Lab File: VN082429.D  
Acq: 03 Jun 2024 13:01

Tgt Ion: 43 Resp: 26201  
Ion Ratio Lower Upper  
43 100  
58 0.0 28.3 84.9#

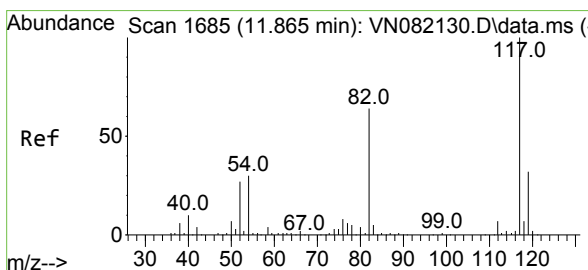
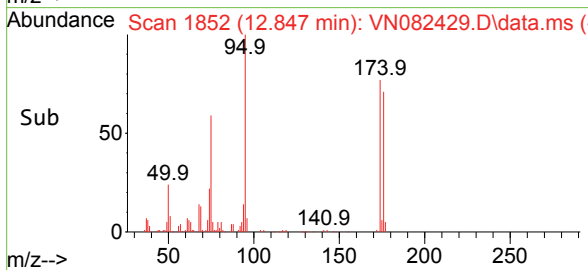
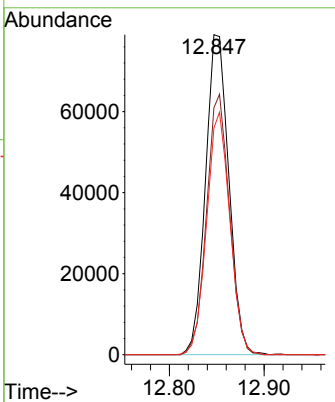
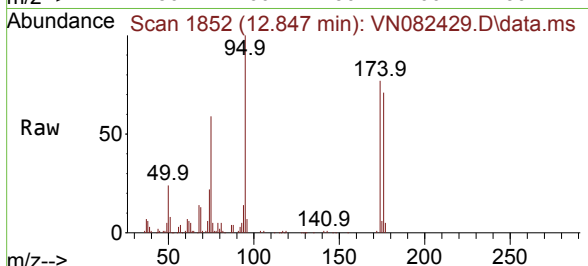




#62  
 4-Bromofluorobenzene  
 Concen: 53.496 ug/l  
 RT: 12.847 min Scan# 1852  
 Delta R.T. 0.000 min  
 Lab File: VN082429.D  
 Acq: 03 Jun 2024 13:01

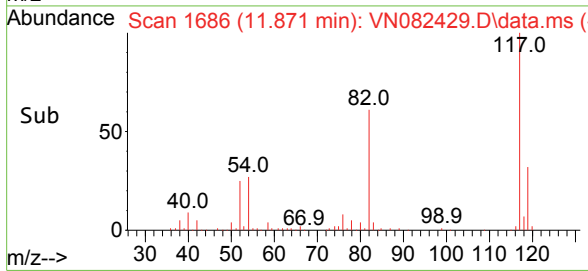
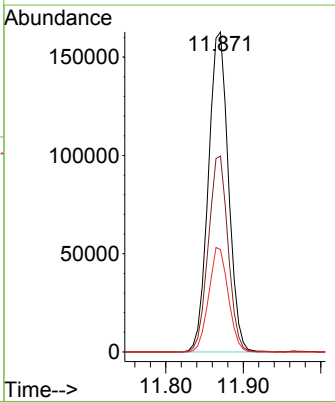
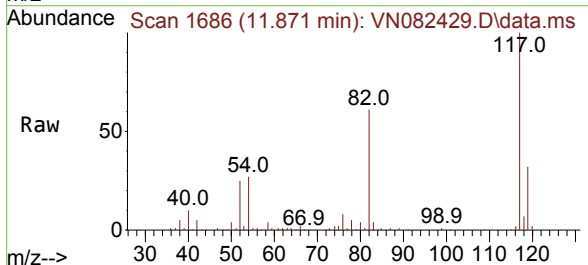
Instrument :  
 MSVOA\_N  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 135364 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 80.0  | 0.0   | 160.6  |
| 176      | 75.4  | 0.0   | 152.8  |

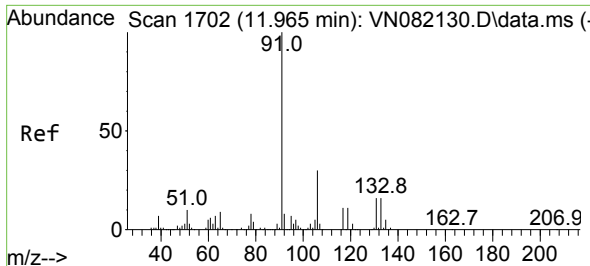


#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.871 min Scan# 1686  
 Delta R.T. 0.006 min  
 Lab File: VN082429.D  
 Acq: 03 Jun 2024 13:01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 292466 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 61.2  | 44.6  | 66.8   |
| 119      | 32.0  | 25.9  | 38.9   |

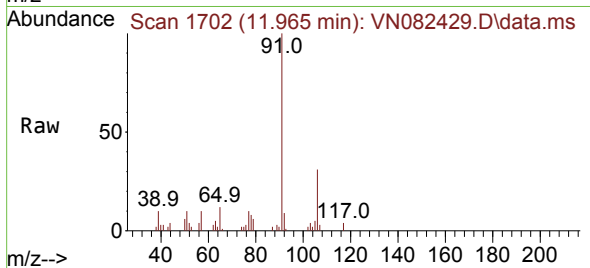




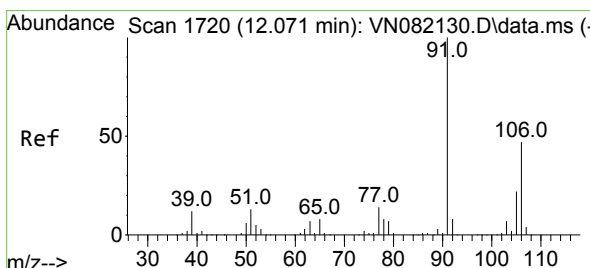
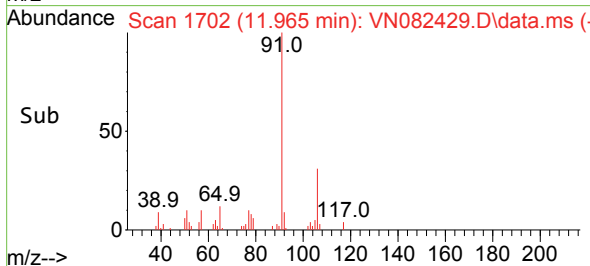
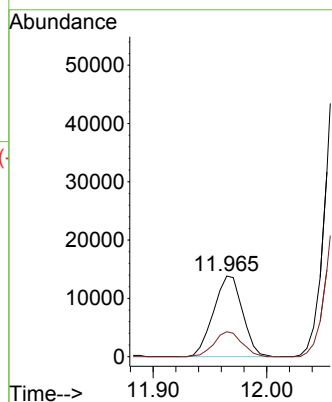


#67  
Ethyl Benzene  
Concen: 2.124 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: VN082429.D  
Acq: 03 Jun 2024 13:01

Instrument :  
MSVOA\_N  
ClientSampleId :

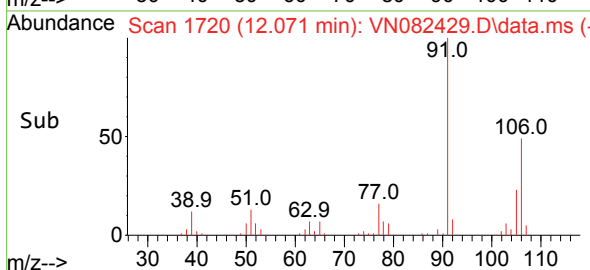
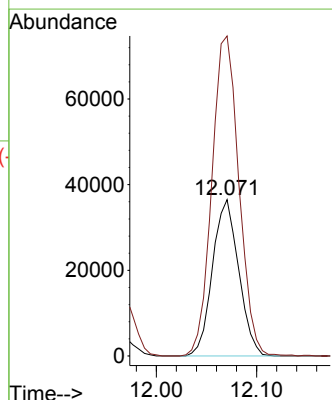
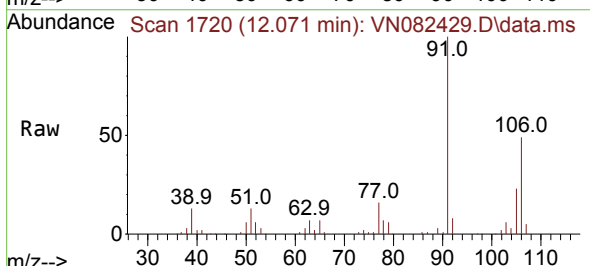


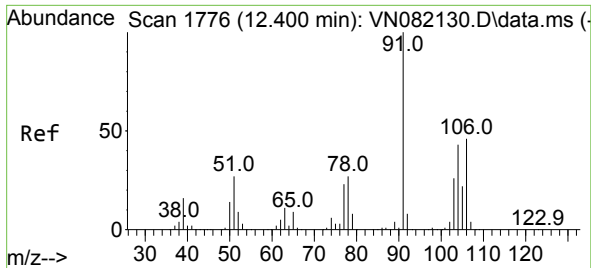
Tgt Ion: 91 Resp: 24545  
Ion Ratio Lower Upper  
91 100  
106 31.0 25.3 37.9



#68  
m/p-Xylenes  
Concen: 15.640 ug/l  
RT: 12.071 min Scan# 1720  
Delta R.T. 0.000 min  
Lab File: VN082429.D  
Acq: 03 Jun 2024 13:01

Tgt Ion: 106 Resp: 66253  
Ion Ratio Lower Upper  
106 100  
91 211.5 159.4 239.0

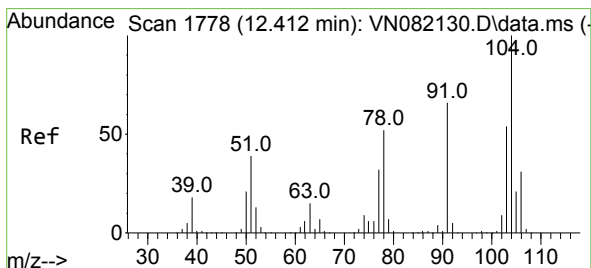
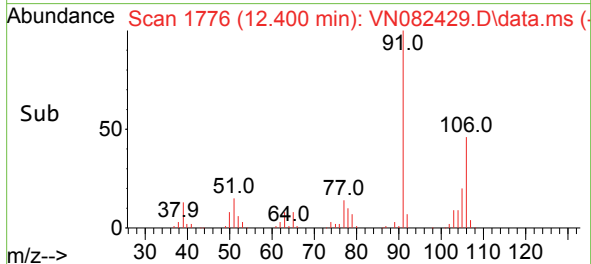
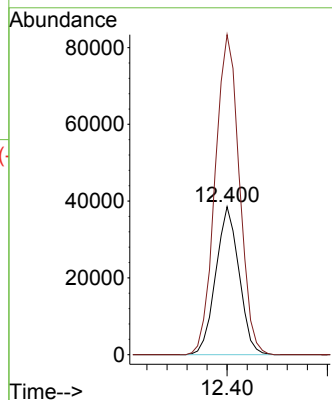
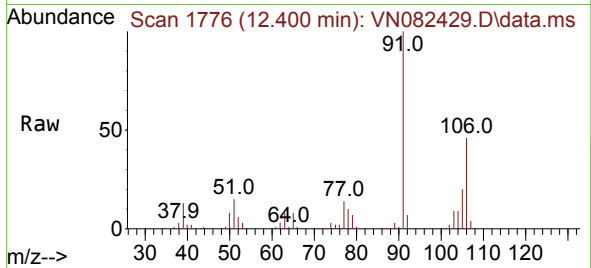




#69  
o-Xylene  
Concen: 15.136 ug/l  
RT: 12.400 min Scan# 1776  
Delta R.T. 0.000 min  
Lab File: VN082429.D  
Acq: 03 Jun 2024 13:01

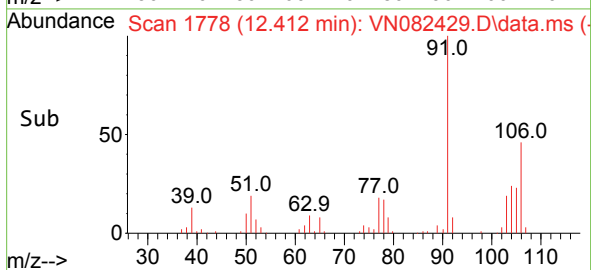
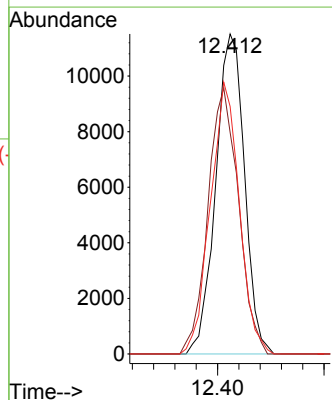
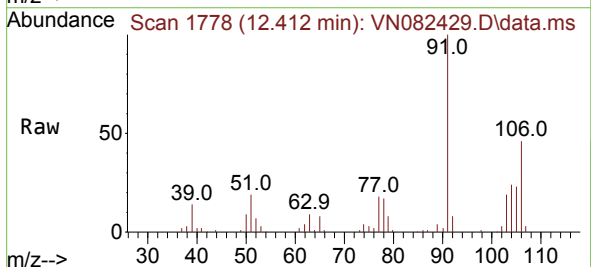
Instrument :  
MSVOA\_N  
ClientSampleId :

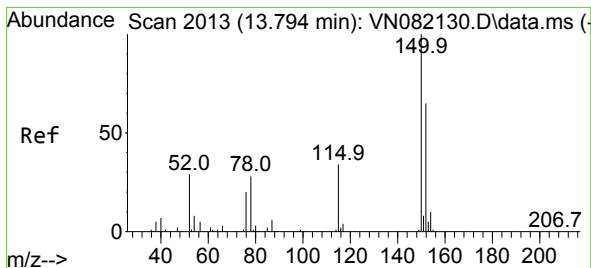
Tgt Ion:106 Resp: 62106  
Ion Ratio Lower Upper  
106 100  
91 225.6 104.7 314.1



#70  
Styrene  
Concen: 3.162 ug/l  
RT: 12.412 min Scan# 1778  
Delta R.T. 0.000 min  
Lab File: VN082429.D  
Acq: 03 Jun 2024 13:01

Tgt Ion:104 Resp: 21552  
Ion Ratio Lower Upper  
104 100  
78 88.6 38.6 58.0#  
103 85.5 43.8 65.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN082429.D

Acq: 03 Jun 2024 13:01

Instrument :

MSVOA\_N

ClientSampleId :

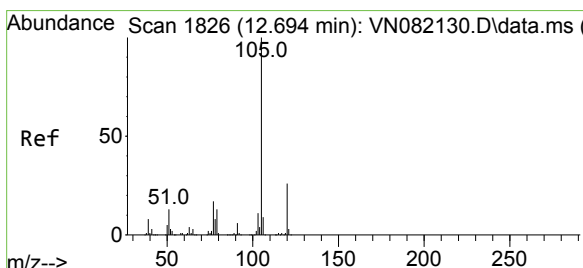
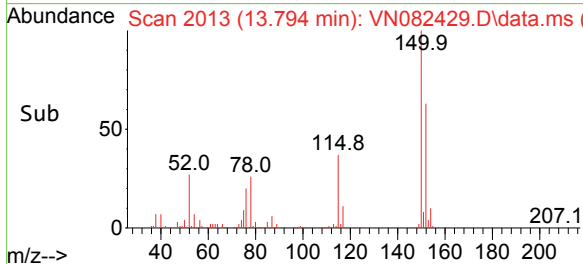
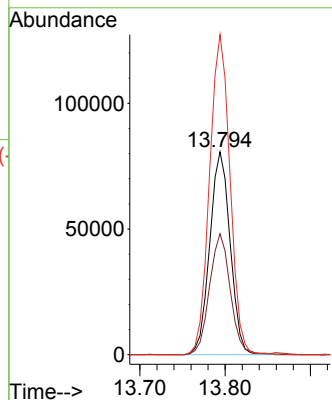
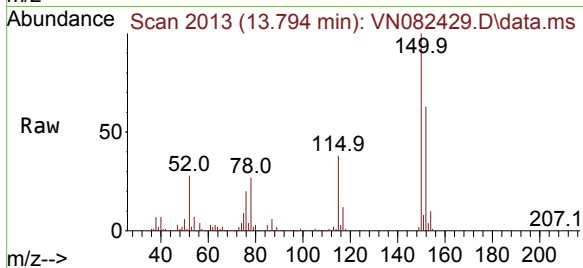
Tgt Ion:152 Resp: 133940

Ion Ratio Lower Upper

152 100

115 61.0 30.4 91.3

150 158.4 0.0 353.2



#73

Isopropylbenzene

Concen: 0.207 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. 0.006 min

Lab File: VN082429.D

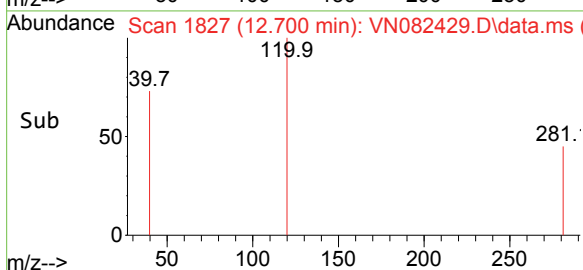
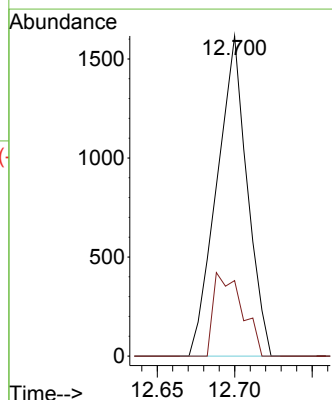
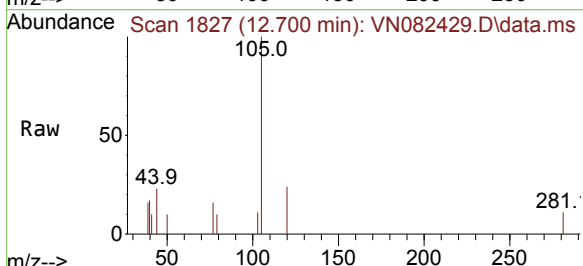
Acq: 03 Jun 2024 13:01

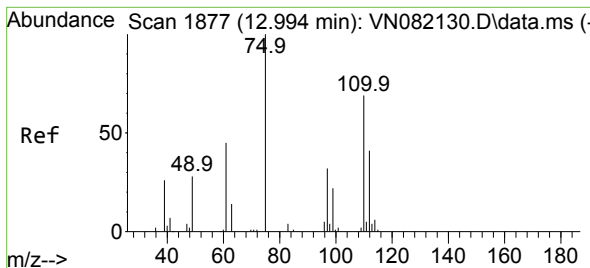
Tgt Ion:105 Resp: 2198

Ion Ratio Lower Upper

105 100

120 24.5 13.4 40.1





#76

1,2,3-Trichloropropane

Concen: 28.751 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN082429.D

Acq: 03 Jun 2024 13:01

Instrument :

MSVOA\_N

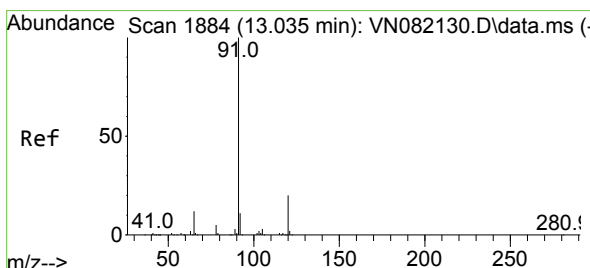
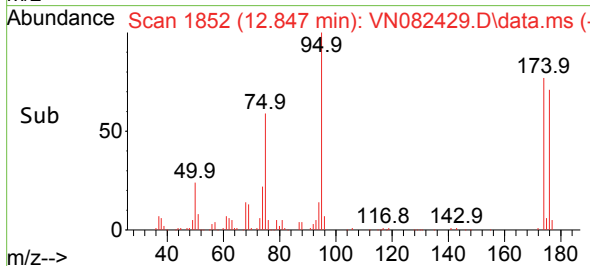
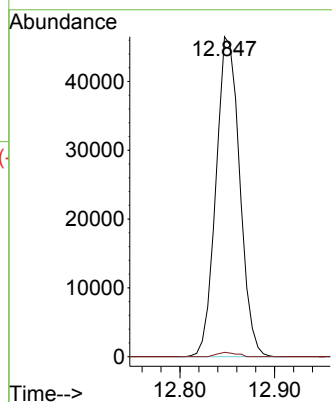
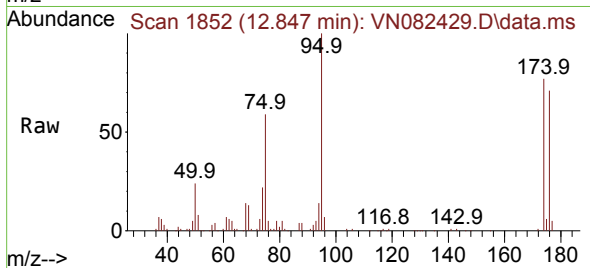
ClientSampleId :

Tgt Ion: 75 Resp: 81052

Ion Ratio Lower Upper

75 100

77 1.1 90.5 271.3#



#78

n-propylbenzene

Concen: 0.329 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.006 min

Lab File: VN082429.D

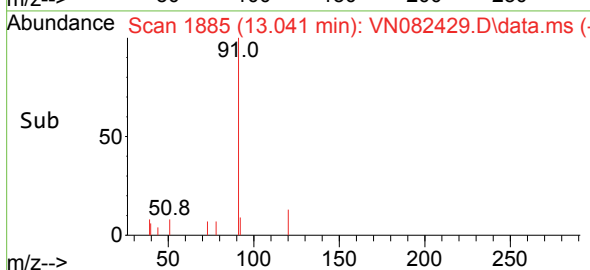
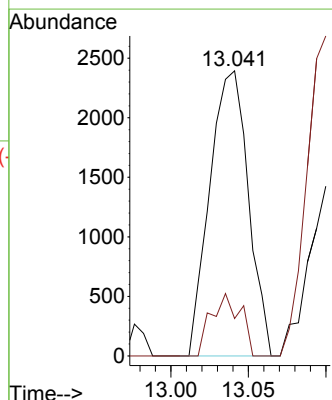
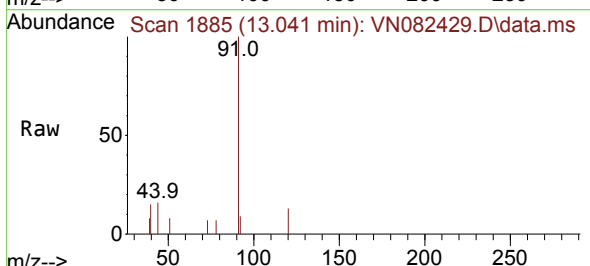
Acq: 03 Jun 2024 13:01

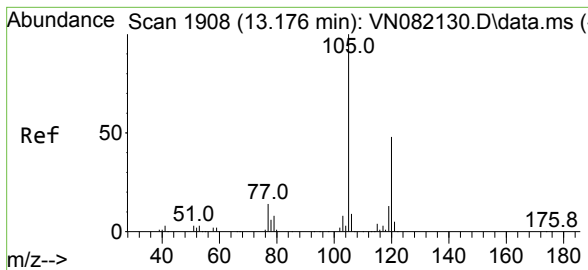
Tgt Ion: 91 Resp: 4149

Ion Ratio Lower Upper

91 100

120 16.6 11.7 35.0

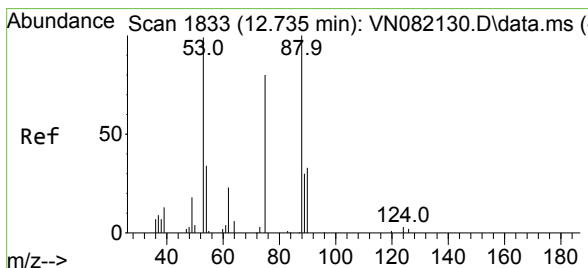
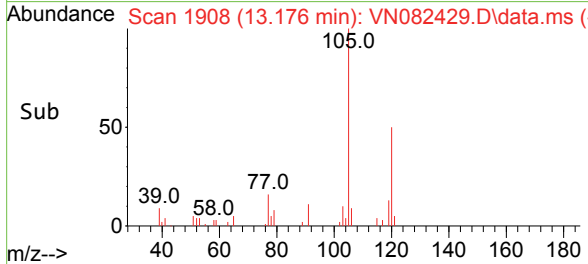
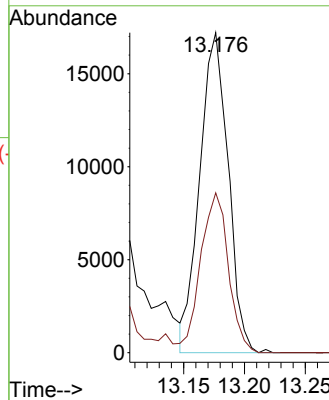
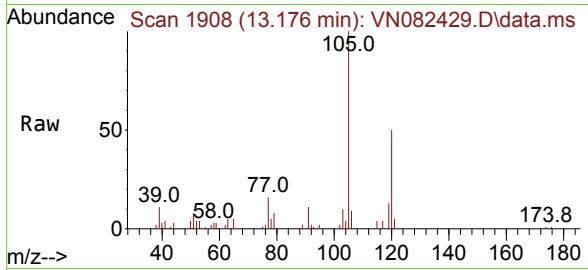




#80  
 1,3,5-Trimethylbenzene  
 Concen: 3.243 ug/l  
 RT: 13.176 min Scan# 1908  
 Delta R.T. 0.000 min  
 Lab File: VN082429.D  
 Acq: 03 Jun 2024 13:01

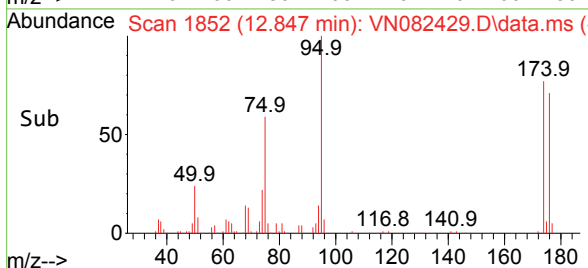
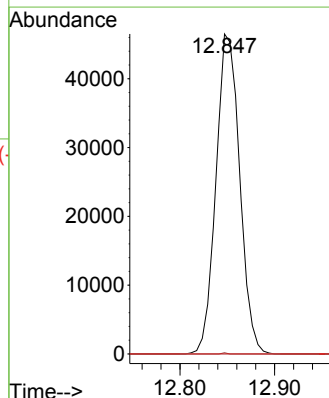
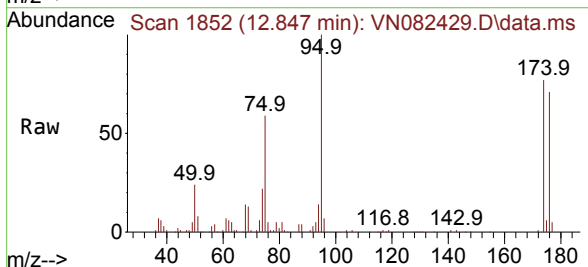
Instrument :  
 MSVOA\_N  
 ClientSampleId :

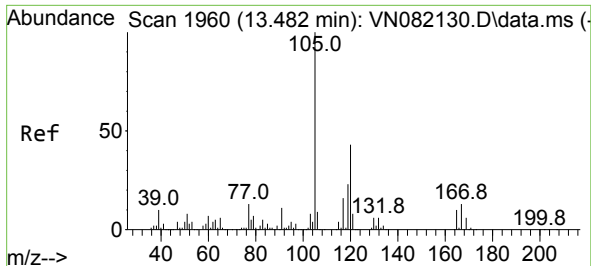
Tgt Ion:105 Resp: 27901  
 Ion Ratio Lower Upper  
 105 100  
 120 49.3 24.8 74.3



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 67.247 ug/l  
 RT: 12.847 min Scan# 1852  
 Delta R.T. 0.112 min  
 Lab File: VN082429.D  
 Acq: 03 Jun 2024 13:01

Tgt Ion: 75 Resp: 81052  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 72.9 109.3#  
 89 0.0 39.1 58.7#

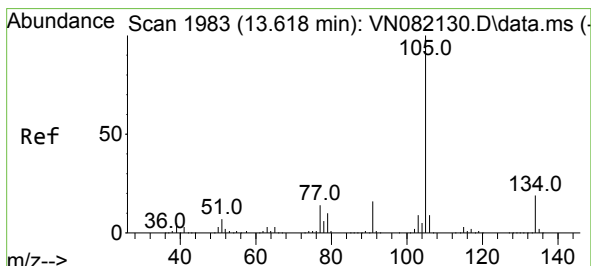
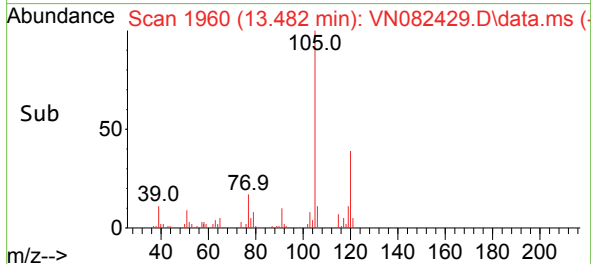
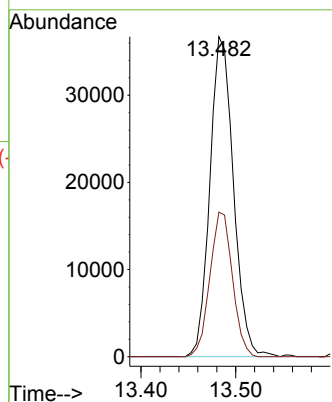
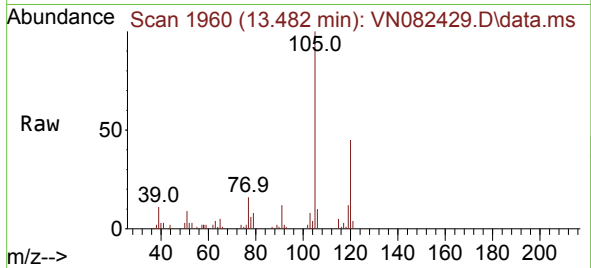




#84  
1,2,4-Trimethylbenzene  
Concen: 7.209 ug/l  
RT: 13.482 min Scan# 1960  
Delta R.T. 0.000 min  
Lab File: VN082429.D  
Acq: 03 Jun 2024 13:01

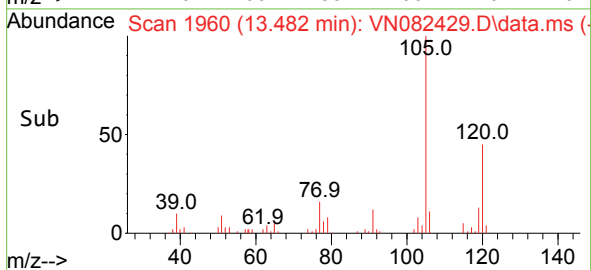
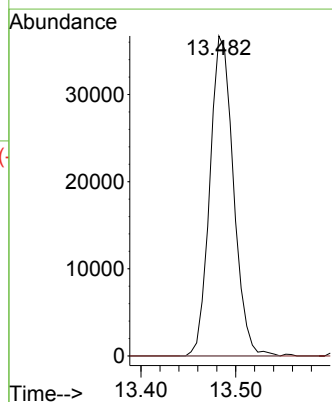
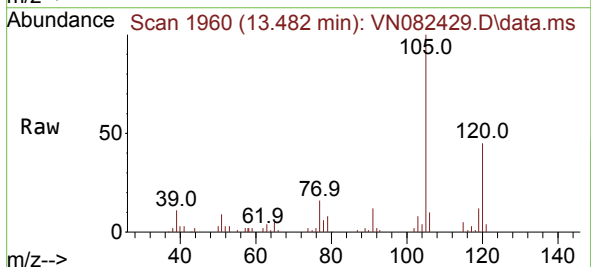
Instrument :  
MSVOA\_N  
ClientSampleId :

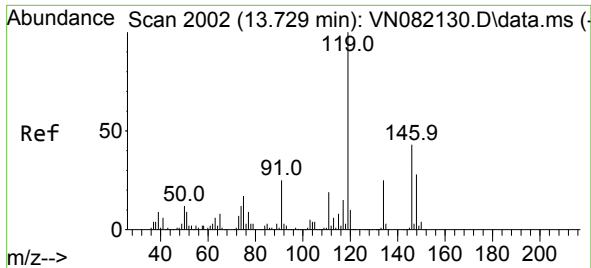
Tgt Ion:105 Resp: 63457  
Ion Ratio Lower Upper  
105 100  
120 43.2 22.9 68.7



#85  
sec-Butylbenzene  
Concen: 6.082 ug/l  
RT: 13.482 min Scan# 1960  
Delta R.T. -0.135 min  
Lab File: VN082429.D  
Acq: 03 Jun 2024 13:01

Tgt Ion:105 Resp: 63457  
Ion Ratio Lower Upper  
105 100  
134 0.0 10.2 30.4#

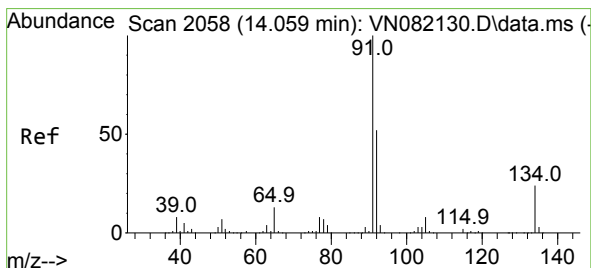
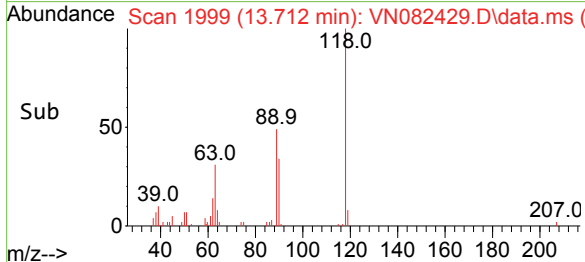
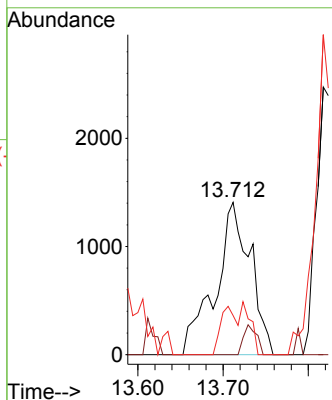
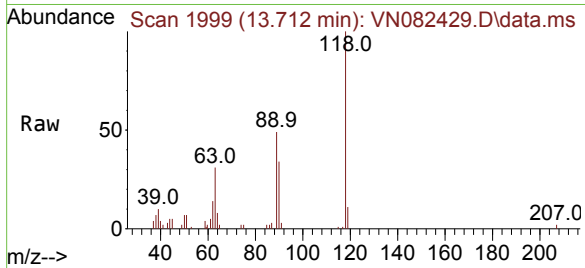




#86  
p-Isopropyltoluene  
Concen: 0.474 ug/l  
RT: 13.712 min Scan# 1999  
Delta R.T. -0.018 min  
Lab File: VN082429.D  
Acq: 03 Jun 2024 13:01

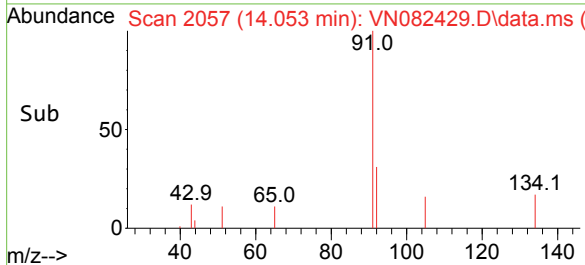
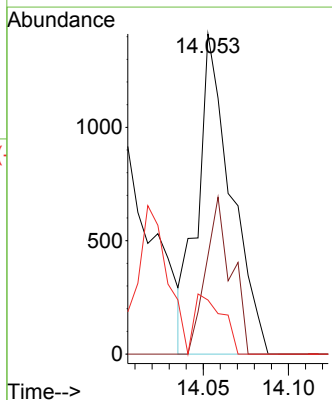
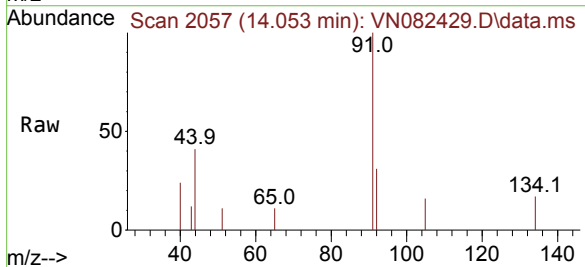
Instrument :  
MSVOA\_N  
ClientSampleId :

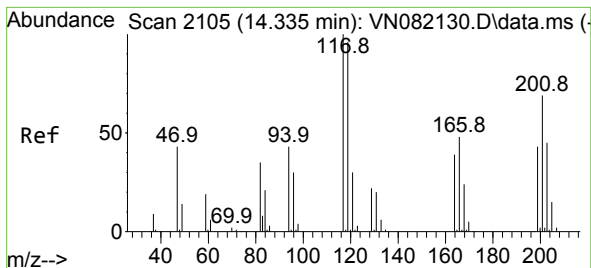
Tgt Ion:119 Resp: 4022  
Ion Ratio Lower Upper  
119 100  
134 0.0 13.2 39.5#  
91 14.5 11.8 35.3



#89  
n-Butylbenzene  
Concen: 0.252 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. -0.006 min  
Lab File: VN082429.D  
Acq: 03 Jun 2024 13:01

Tgt Ion: 91 Resp: 1920  
Ion Ratio Lower Upper  
91 100  
92 37.5 26.2 78.5  
134 15.7 13.2 39.5





#90

Hexachloroethane

Concen: 0.388 ug/l

RT: 14.406 min Scan# 2105

Delta R.T. 0.071 min

Lab File: VN082429.D

Acq: 03 Jun 2024 13:01

Instrument :

MSVOA\_N

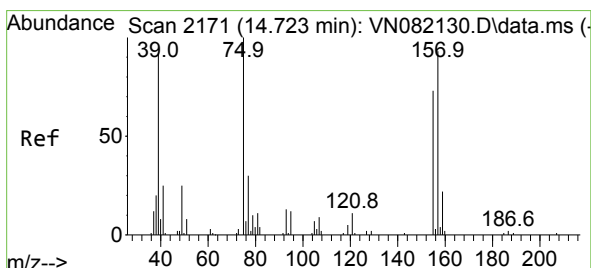
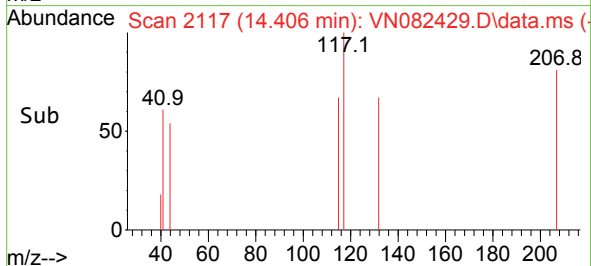
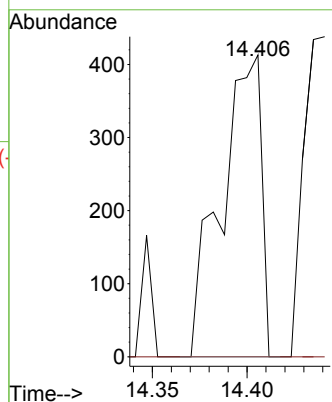
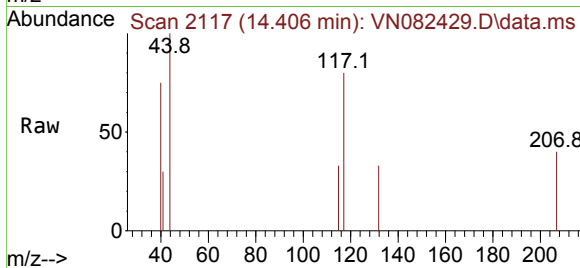
ClientSampleId :

Tgt Ion:117 Resp: 609

Ion Ratio Lower Upper

117 100

201 0.0 33.3 99.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.917 ug/l

RT: 14.729 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VN082429.D

Acq: 03 Jun 2024 13:01

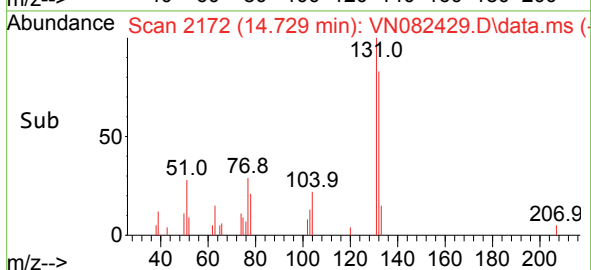
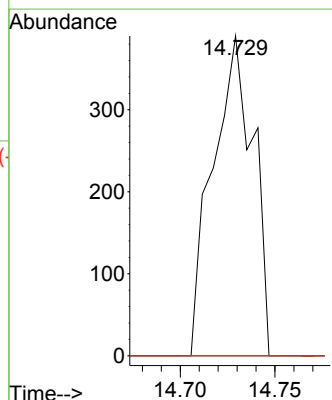
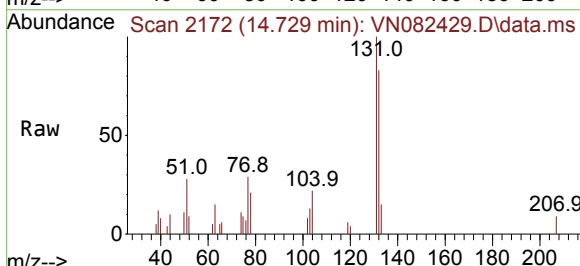
Tgt Ion: 75 Resp: 578

Ion Ratio Lower Upper

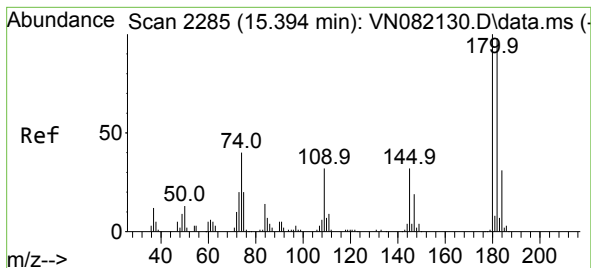
75 100

155 0.0 42.6 128.0#

157 0.0 53.0 159.0#







#93

1,2,4-Trichlorobenzene

Concen: 0.378 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.006 min

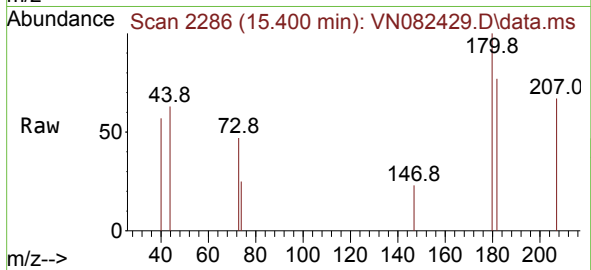
Lab File: VN082429.D

Acq: 03 Jun 2024 13:01

Instrument :

MSVOA\_N

ClientSampleId :



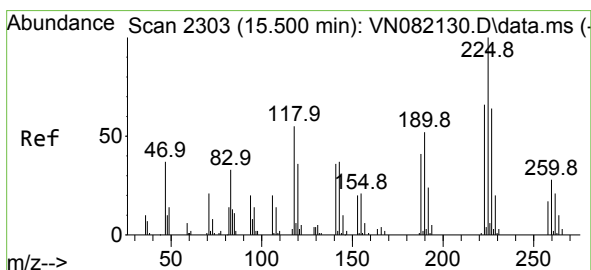
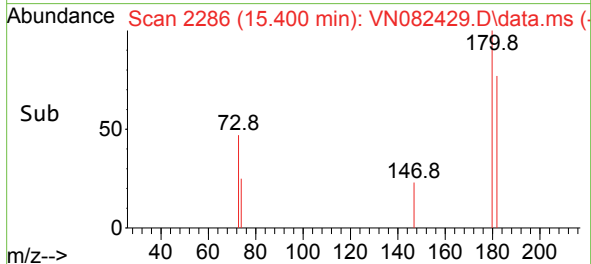
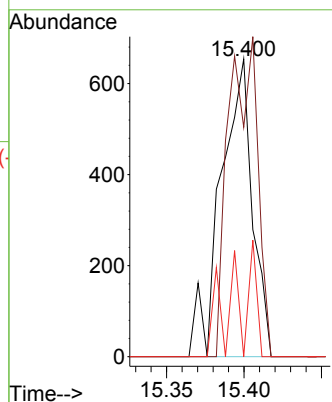
Tgt Ion:180 Resp: 921

Ion Ratio Lower Upper

180 100

182 99.0 46.7 140.0

145 18.8 16.2 48.6



#94

Hexachlorobutadiene

Concen: 0.532 ug/l

RT: 15.512 min Scan# 2305

Delta R.T. 0.012 min

Lab File: VN082429.D

Acq: 03 Jun 2024 13:01

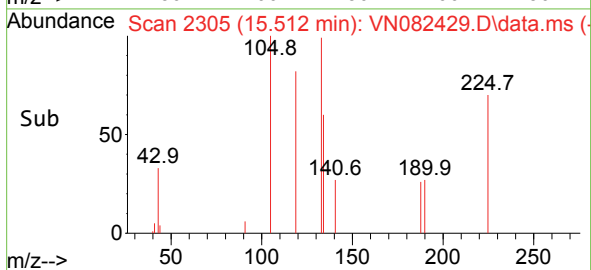
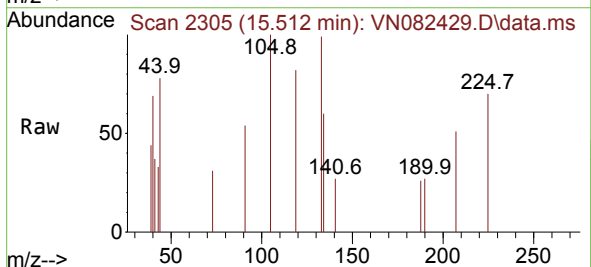
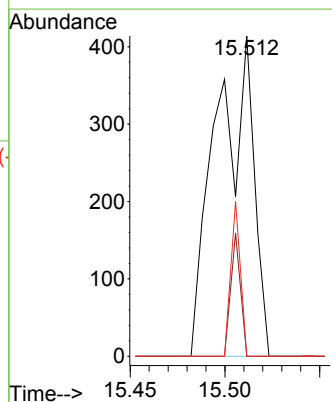
Tgt Ion:225 Resp: 569

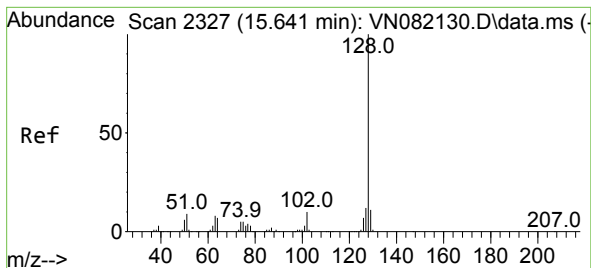
Ion Ratio Lower Upper

225 100

223 9.8 31.1 93.2#

227 12.5 30.6 91.6#





#95

Naphthalene

Concen: 493.712 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

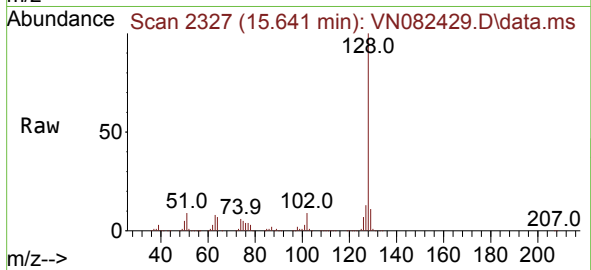
Lab File: VN082429.D

Acq: 03 Jun 2024 13:01

Instrument :

MSVOA\_N

ClientSampleId :



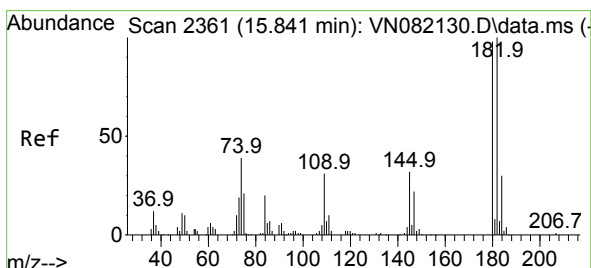
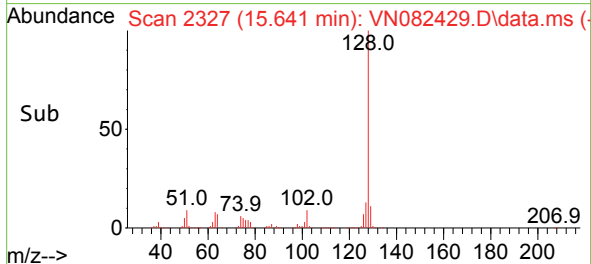
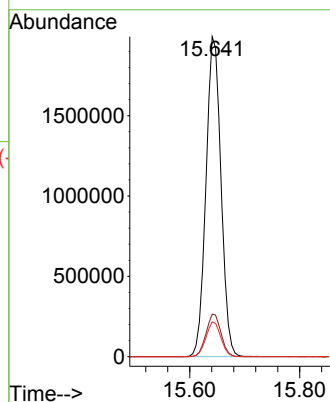
Tgt Ion:128 Resp: 3771508

Ion Ratio Lower Upper

128 100

127 13.3 10.1 15.1

129 10.8 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 0.373 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.000 min

Lab File: VN082429.D

Acq: 03 Jun 2024 13:01

Tgt Ion:180 Resp: 911

Ion Ratio Lower Upper

180 100

182 102.2 46.0 137.8

145 40.8 17.1 51.3

