

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071423\  
 Data File : VN078509.D  
 Acq On : 14 Jul 2023 09:45  
 Operator : JC\MD  
 Sample : VN0714MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0714MBL01

Quant Time: Jul 15 03:56:14 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071023W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 10 16:13:53 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 8.235  | 168   | 415925   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.112  | 114   | 735927   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.870 | 117   | 677826   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.800 | 152   | 239007   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.588  | 65    | 269724   | 48.373    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | =      | 96.740%  |
| 35) Dibromofluoromethane      | 8.177  | 113   | 284914   | 57.032    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 114.060% |
| 50) Toluene-d8                | 10.571 | 98    | 856604   | 45.390    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | =      | 90.780%  |
| 62) 4-Bromofluorobenzene      | 12.853 | 95    | 298927   | 51.423    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 102.840% |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 2.377  | 50    | 1688     | 0.305     | ug/l # | 79       |
| 5) Bromomethane               | 2.971  | 94    | 3879     | Below Cal | #      | 56       |
| 6) Chloroethane               | 3.136  | 64    | 294      | Below Cal | #      | 43       |
| 10) Methyl Iodide             | 4.606  | 142   | 2835     | 0.455     | ug/l # | 86       |
| 13) Acrolein                  | 4.189  | 56    | 585      | 0.692     | ug/l # | 16       |
| 15) Acrylonitrile             | 5.736  | 53    | 2184     | 1.005     | ug/l # | 85       |
| 16) Acetone                   | 4.465  | 43    | 2390     | 1.376     | ug/l   | 91       |
| 17) Carbon Disulfide          | 4.724  | 76    | 4937     | 0.389     | ug/l # | 86       |
| 18) Methyl Acetate            | 5.047  | 43    | 1767     | 0.240     | ug/l # | 71       |
| 20) Methylene Chloride        | 5.294  | 84    | 1557     | Below Cal | #      | 82       |
| 29) Tetrahydrofuran           | 7.871  | 42    | 818      | 0.456     | ug/l # | 79       |
| 31) Cyclohexane               | 8.235  | 56    | 9537     | 1.266     | ug/l # | 32       |
| 36) 1,1-Dichloropropene       | 8.235  | 75    | 32834    | 4.552     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 8.230  | 117   | 42407    | 5.409     | ug/l # | 16       |
| 42) 1,2-Dichloroethane        | 8.682  | 62    | 1475     | 0.203     | ug/l # | 73       |
| 49) 1,4-Dioxane               | 9.865  | 88    | 58       | 0.580     | ug/l # | 1        |
| 51) 4-Methyl-2-Pentanone      | 10.459 | 43    | 2866     | 0.487     | ug/l # | 83       |
| 59) 2-Hexanone                | 11.206 | 43    | 4511     | 1.078     | ug/l   | 93       |
| 68) m/p-Xylenes               | 12.070 | 106   | 1969     | 0.208     | ug/l   | 79       |
| 74) N-amyl acetate            | 12.500 | 43    | 1687     | 0.218     | ug/l # | 76       |
| 75) 1,1,2,2-Tetrachloroethane | 12.947 | 83    | 1591     | Below Cal |        | 86       |
| 76) 1,2,3-Trichloropropane    | 12.859 | 75    | 158378   | 27.415    | ug/l # | 1        |
| 77) Bromobenzene              | 12.988 | 156   | 1736     | Below Cal |        | 68       |
| 79) 2-Chlorotoluene           | 13.135 | 91    | 3544     | 0.225     | ug/l   | 91       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105   | 4158     | 0.234     | ug/l   | 75       |
| 81) trans-1,4-Dichloro-2-b... | 12.859 | 75    | 158378   | 72.041    | ug/l # | 15       |
| 82) 4-Chlorotoluene           | 13.229 | 91    | 3580     | 0.244     | ug/l   | 84       |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105   | 3935     | 0.228     | ug/l   | 68       |
| 85) sec-Butylbenzene          | 13.629 | 105   | 5249     | 0.276     | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.741 | 119   | 3831     | 0.251     | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.741 | 146   | 2821     | 0.327     | ug/l   | 81       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146   | 4351     | 0.501     | ug/l # | 56       |
| 89) n-Butylbenzene            | 14.059 | 91    | 6578     | 0.601     | ug/l   | 99       |
| 90) Hexachloroethane          | 14.341 | 117   | 416      | Below Cal |        | 74       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146   | 3138     | 0.366     | ug/l   | 77       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.729 | 75    | 649      | Below Cal |        | 80       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071423\  
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Acq On : 14 Jul 2023 09:45  
Operator : JC\MD  
Sample : VN0714MBL01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 3 Sample Multiplier: 1

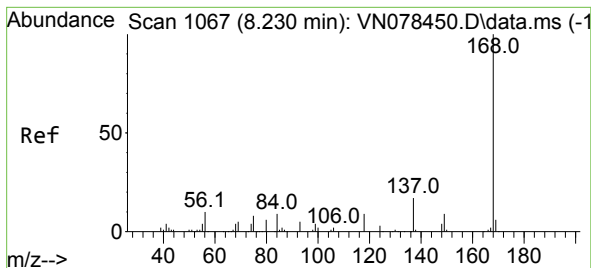
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0714MBL01

Quant Time: Jul 15 03:56:14 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071023W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 10 16:13:53 2023  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc Units   | Dev(Min) |
|----------------------------|--------|------|----------|--------------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.406 | 180  | 2980     | 1.088 ug/l   | 83       |
| 94) Hexachlorobutadiene    | 15.506 | 225  | 3488     | Below Cal    | 88       |
| 95) Naphthalene            | 15.653 | 128  | 12392    | 1.324 ug/l # | 95       |
| 96) 1,2,3-Trichlorobenzene | 15.841 | 180  | 4202     | 1.335 ug/l   | 95       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN078509.D

Acq: 14 Jul 2023 09:45

Instrument :

MSVOA\_N

ClientSampleId :

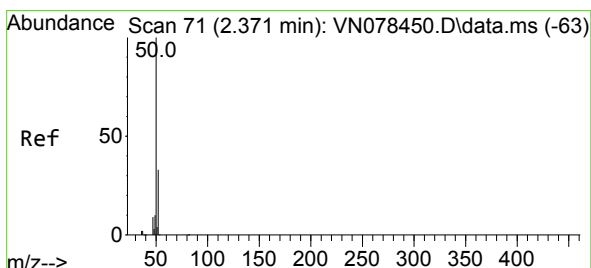
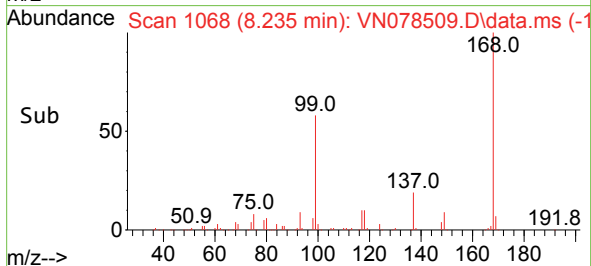
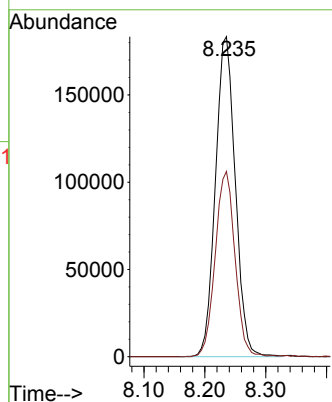
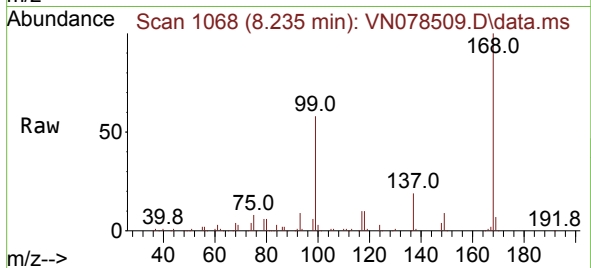
VN0714MBL01

Tgt Ion:168 Resp: 415925

Ion Ratio Lower Upper

168 100

99 57.9 53.0 79.6



#3

Chloromethane

Concen: 0.305 ug/l

RT: 2.377 min Scan# 72

Delta R.T. 0.006 min

Lab File: VN078509.D

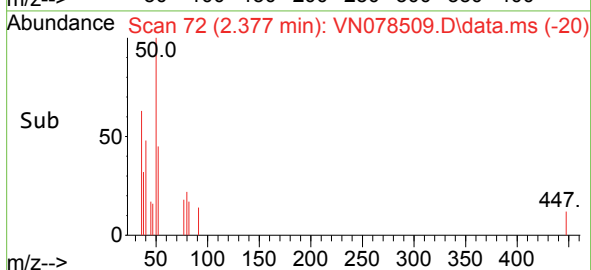
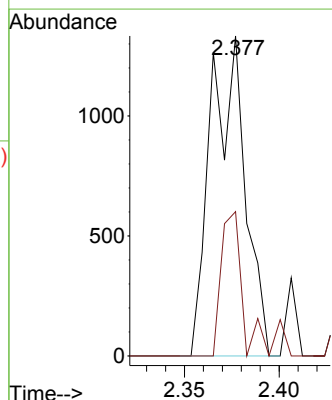
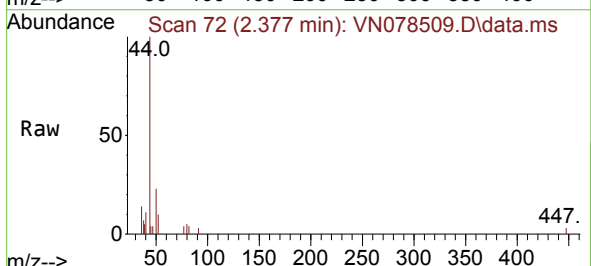
Acq: 14 Jul 2023 09:45

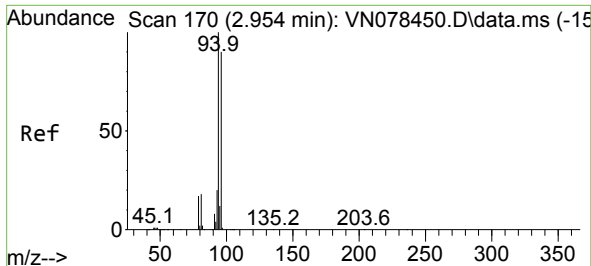
Tgt Ion: 50 Resp: 1688

Ion Ratio Lower Upper

50 100

52 45.1 26.5 39.7#

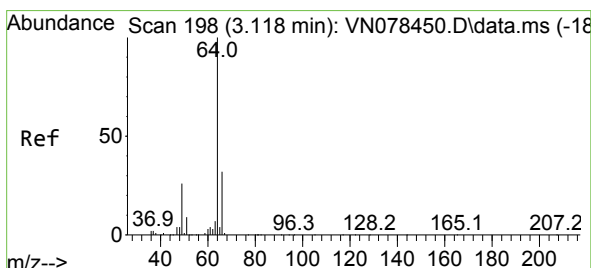
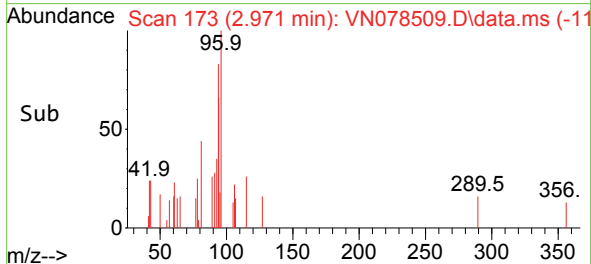
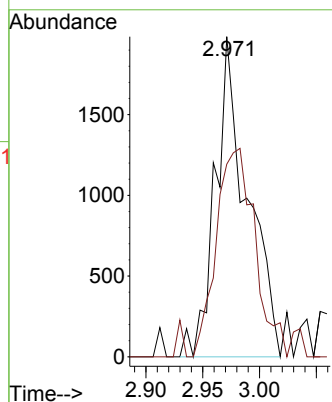
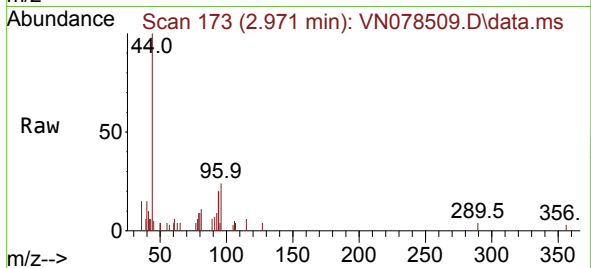




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.971 min Scan# 11  
Delta R.T. 0.017 min  
Lab File: VN078509.D  
Acq: 14 Jul 2023 09:45

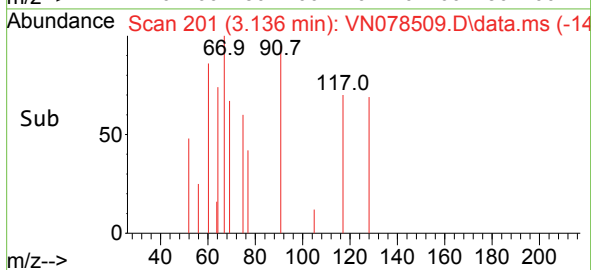
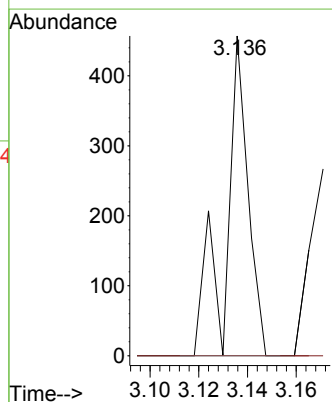
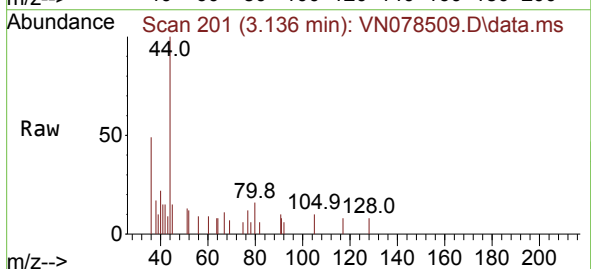
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0714MBL01

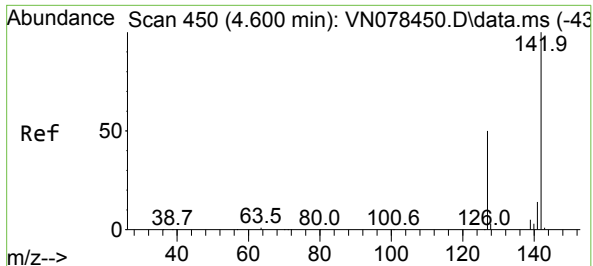
Tgt Ion: 94 Resp: 3879  
Ion Ratio Lower Upper  
94 100  
96 49.5 73.1 109.7#



#6  
Chloroethane  
Concen: Below Cal  
RT: 3.136 min Scan# 201  
Delta R.T. 0.018 min  
Lab File: VN078509.D  
Acq: 14 Jul 2023 09:45

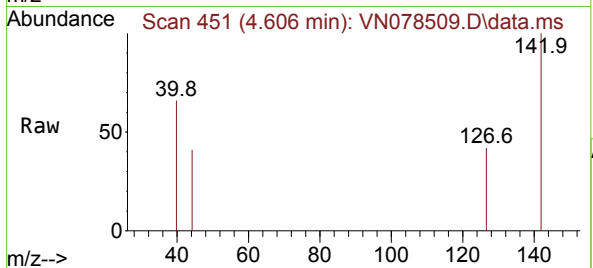
Tgt Ion: 64 Resp: 294  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.4 38.2#



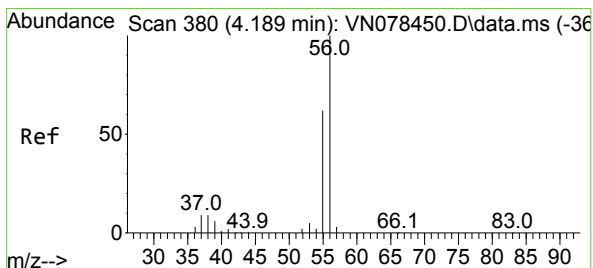
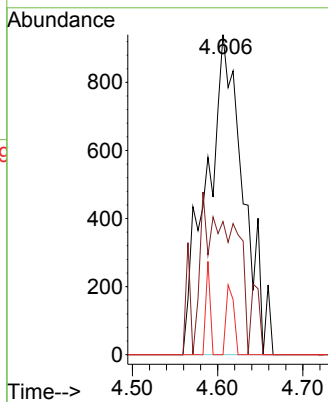
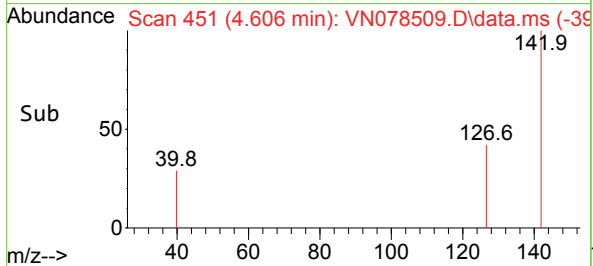


#10  
Methyl Iodide  
Concen: 0.455 ug/l  
RT: 4.606 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VN078509.D  
Acq: 14 Jul 2023 09:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0714MBL01

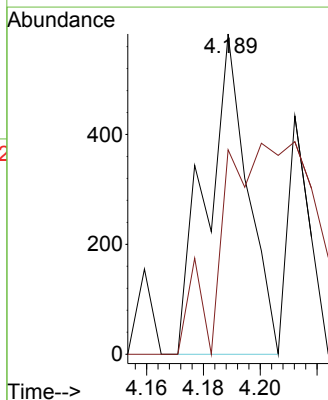
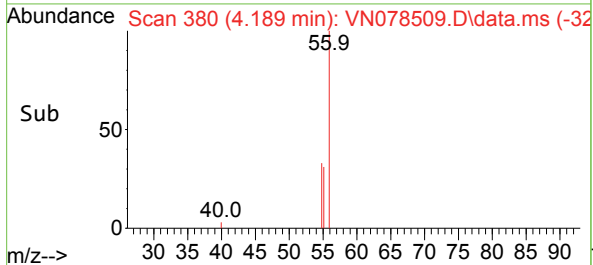
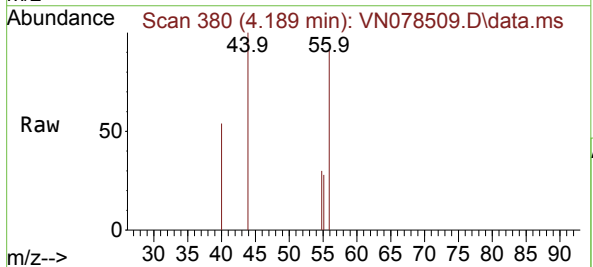


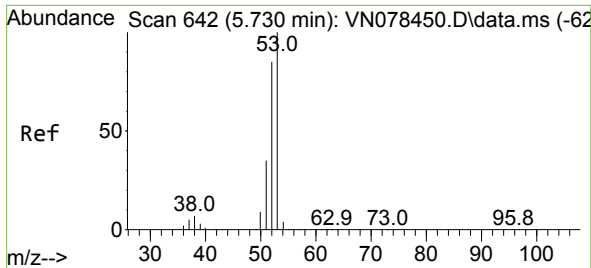
Tgt Ion:142 Resp: 2835  
Ion Ratio Lower Upper  
142 100  
127 41.6 37.6 56.4  
141 0.0 11.4 17.0#



#13  
Acrolein  
Concen: 0.692 ug/l  
RT: 4.189 min Scan# 380  
Delta R.T. -0.000 min  
Lab File: VN078509.D  
Acq: 14 Jul 2023 09:45

Tgt Ion: 56 Resp: 585  
Ion Ratio Lower Upper  
56 100  
55 0.0 54.5 81.7#

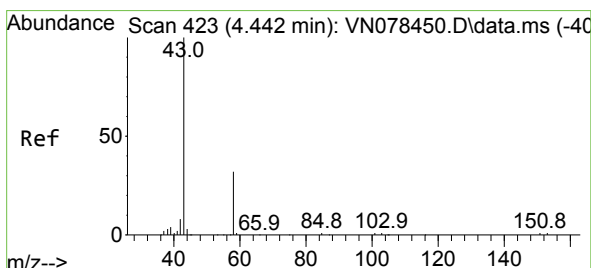
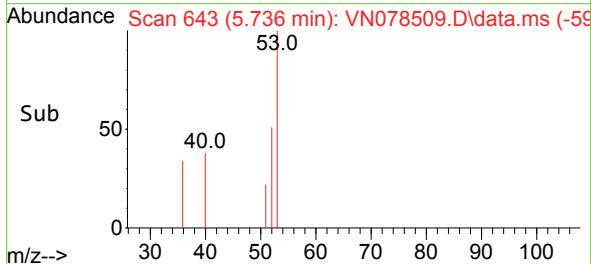
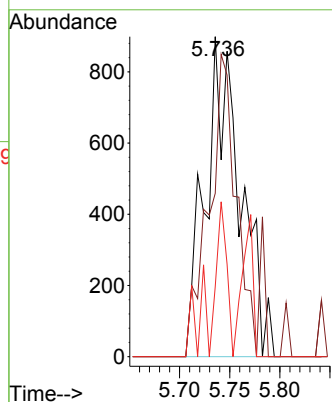
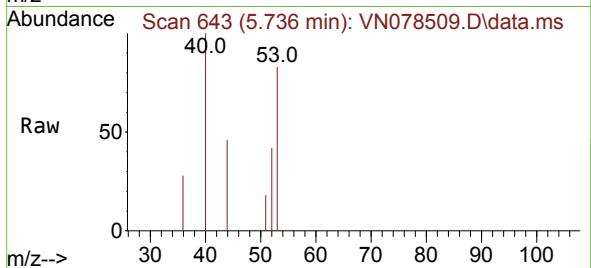




#15  
Acrylonitrile  
Concen: 1.005 ug/l  
RT: 5.736 min Scan# 642  
Delta R.T. 0.006 min  
Lab File: VN078509.D  
Acq: 14 Jul 2023 09:45

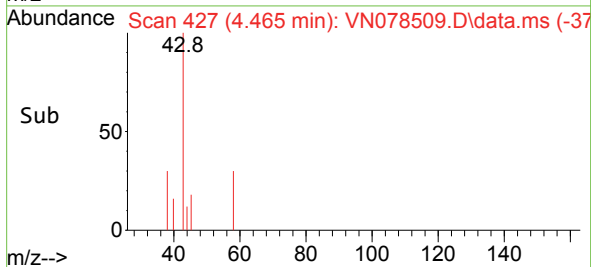
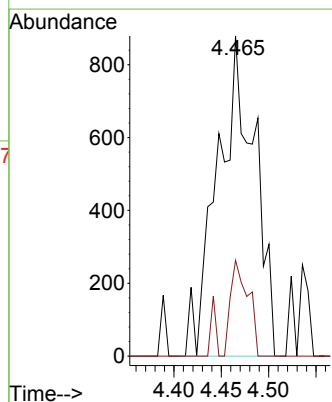
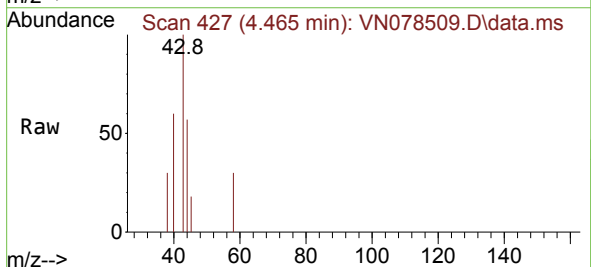
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0714MBL01

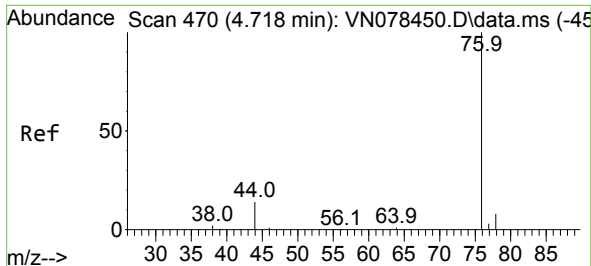
Tgt Ion: 53 Resp: 2184  
Ion Ratio Lower Upper  
53 100  
52 73.4 65.3 97.9  
51 18.6 28.9 43.3#



#16  
Acetone  
Concen: 1.376 ug/l  
RT: 4.465 min Scan# 427  
Delta R.T. 0.023 min  
Lab File: VN078509.D  
Acq: 14 Jul 2023 09:45

Tgt Ion: 43 Resp: 2390  
Ion Ratio Lower Upper  
43 100  
58 29.9 28.0 42.0





#17

Carbon Disulfide

Concen: 0.389 ug/l

RT: 4.724 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN078509.D

Acq: 14 Jul 2023 09:45

Instrument :

MSVOA\_N

ClientSampleId :

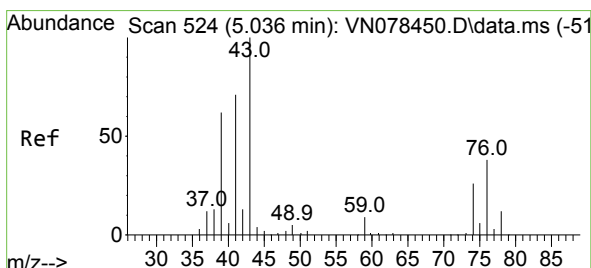
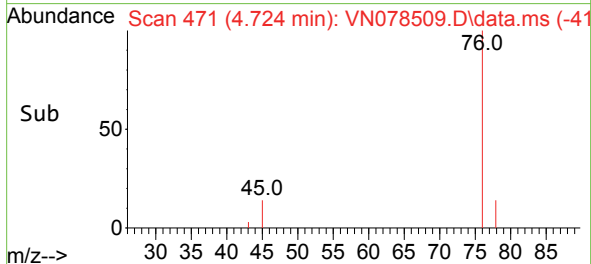
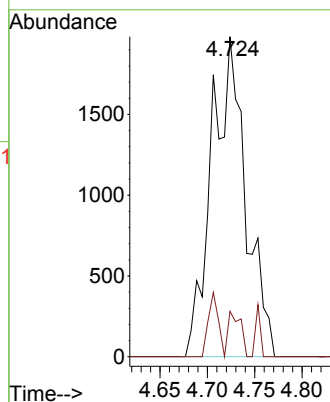
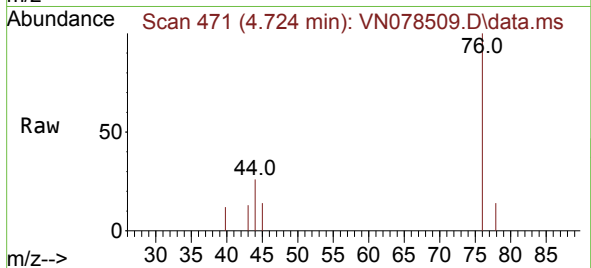
VN0714MBL01

Tgt Ion: 76 Resp: 4937

Ion Ratio Lower Upper

76 100

78 14.2 7.4 11.0#



#18

Methyl Acetate

Concen: 0.240 ug/l

RT: 5.047 min Scan# 526

Delta R.T. 0.011 min

Lab File: VN078509.D

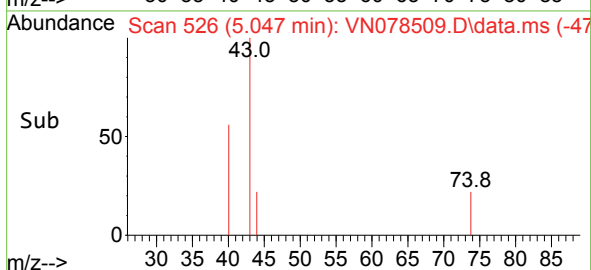
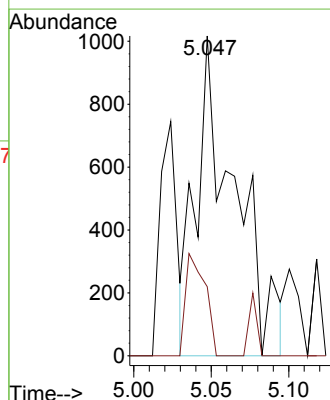
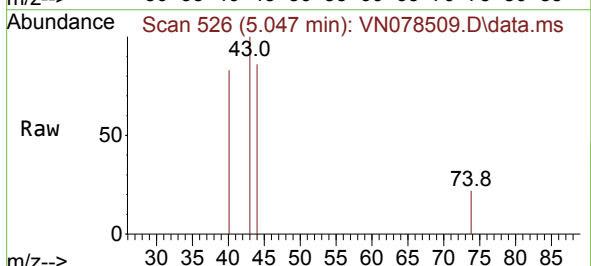
Acq: 14 Jul 2023 09:45

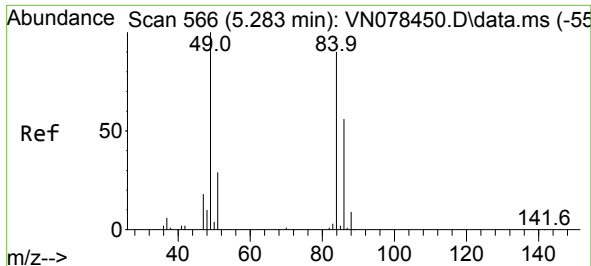
Tgt Ion: 43 Resp: 1767

Ion Ratio Lower Upper

43 100

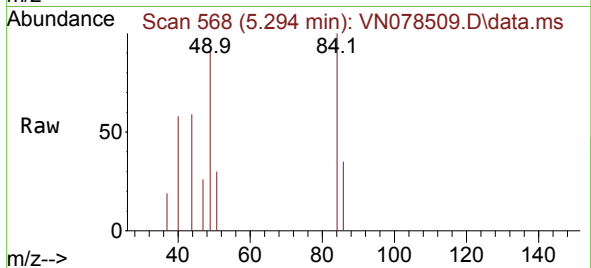
74 16.2 26.2 39.4#



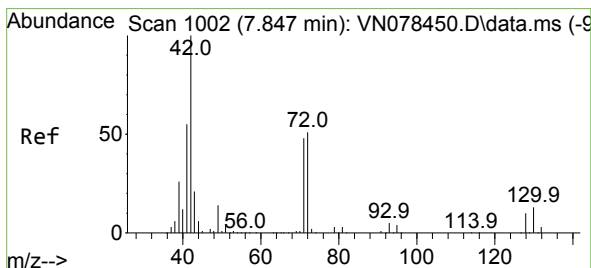
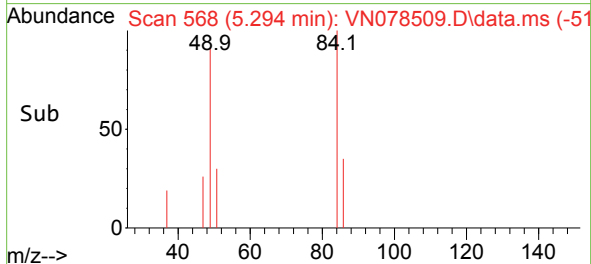
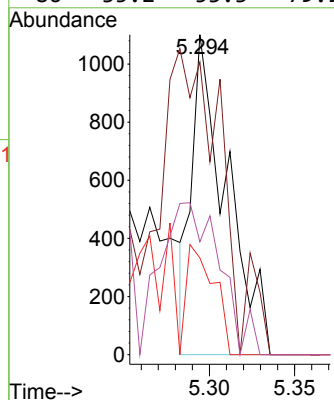


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 5.294 min Scan# 51  
Delta R.T. 0.011 min  
Lab File: VN078509.D  
Acq: 14 Jul 2023 09:45

Instrument :  
MSVOA\_N  
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VN0714MBL01

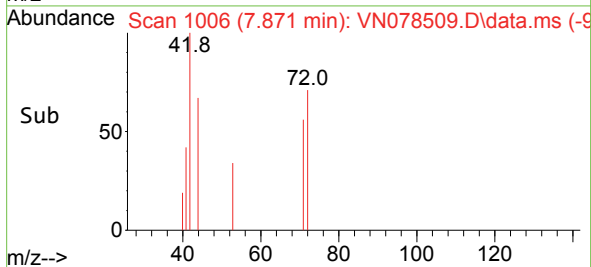
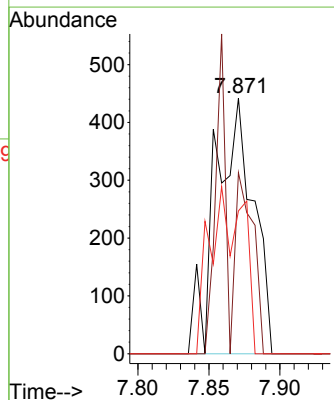
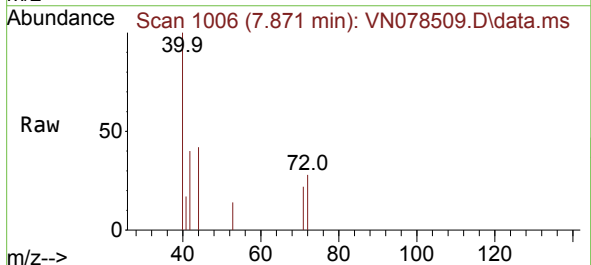


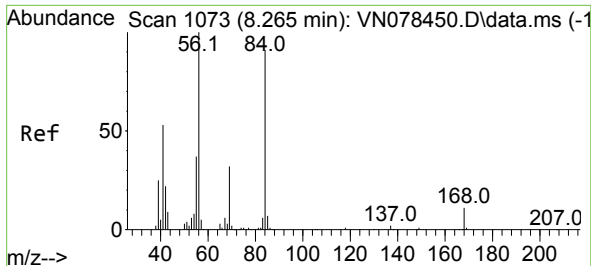
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|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 1557  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 91.5  | 79.7  | 119.5 |
| 51       | 30.2  | 25.2  | 37.8  |
| 86       | 35.2  | 53.3  | 79.9  |



#29  
Tetrahydrofuran  
Concen: 0.456 ug/l  
RT: 7.871 min Scan# 1006  
Delta R.T. 0.024 min  
Lab File: VN078509.D  
Acq: 14 Jul 2023 09:45

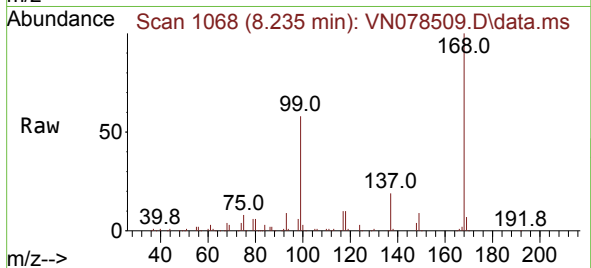
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 818   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 31.8  | 49.8  | 74.6  |
| 71       | 58.3  | 47.4  | 71.2  |



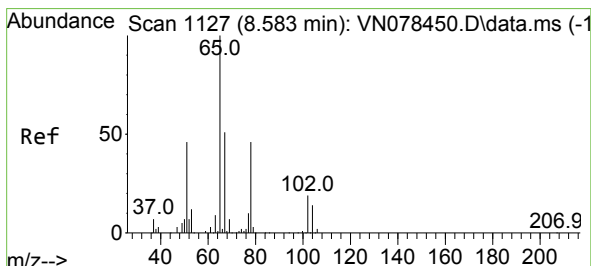
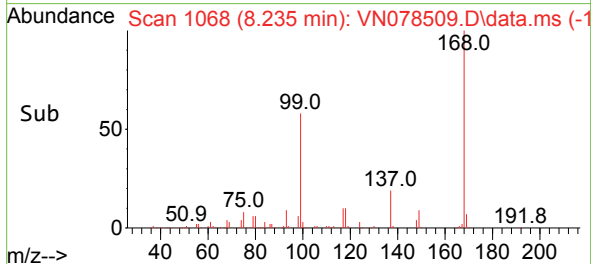
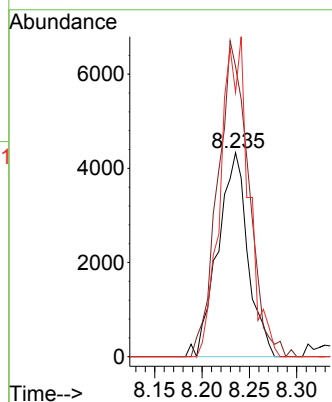


#31  
Cyclohexane  
Concen: 1.266 ug/l  
RT: 8.235 min Scan# 1068  
Delta R.T. -0.030 min  
Lab File: VN078509.D  
Acq: 14 Jul 2023 09:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0714MBL01

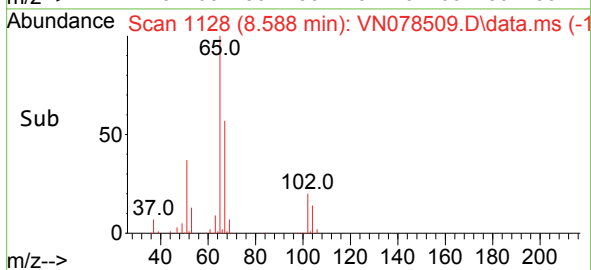
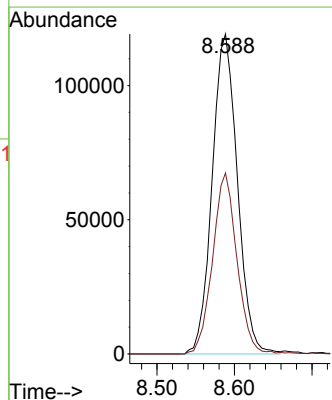
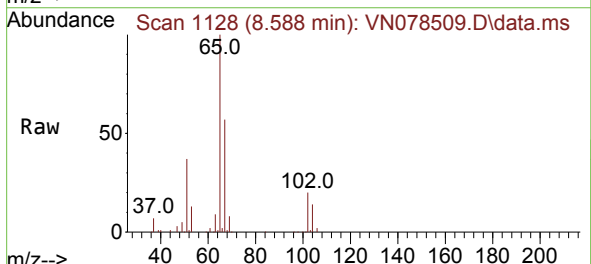


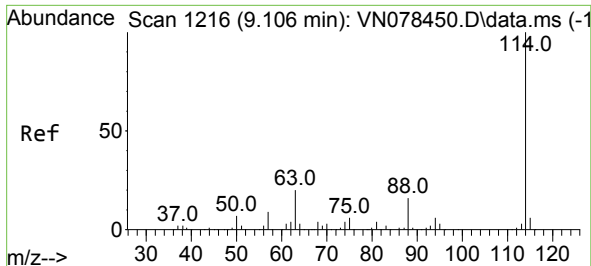
Tgt Ion: 56 Resp: 9537  
Ion Ratio Lower Upper  
56 100  
69 142.3 26.8 40.2#  
84 129.5 81.8 122.6#



#33  
1,2-Dichloroethane-d4  
Concen: 48.373 ug/l  
RT: 8.588 min Scan# 1128  
Delta R.T. 0.005 min  
Lab File: VN078509.D  
Acq: 14 Jul 2023 09:45

Tgt Ion: 65 Resp: 269724  
Ion Ratio Lower Upper  
65 100  
67 54.7 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078509.D

Acq: 14 Jul 2023 09:45

Instrument :

MSVOA\_N

ClientSampleId :

VN0714MBL01

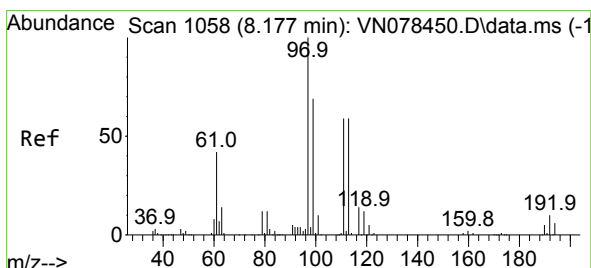
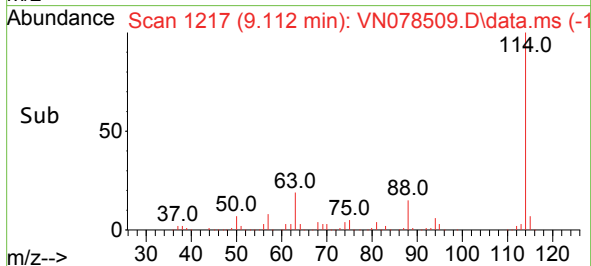
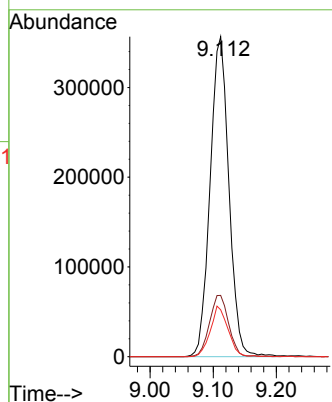
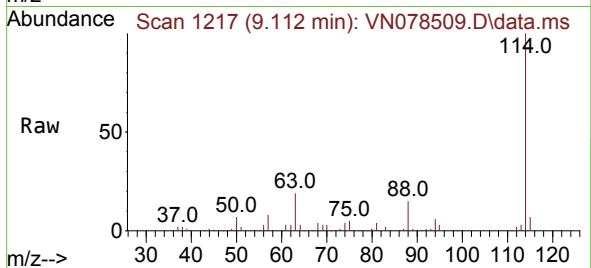
Tgt Ion:114 Resp: 735927

Ion Ratio Lower Upper

114 100

63 19.1 0.0 36.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 57.032 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078509.D

Acq: 14 Jul 2023 09:45

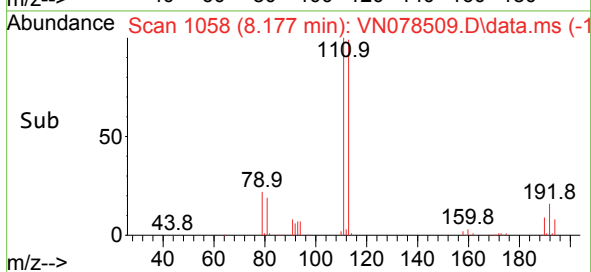
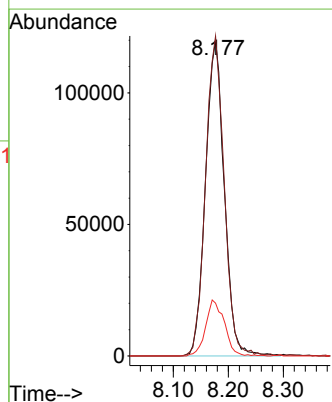
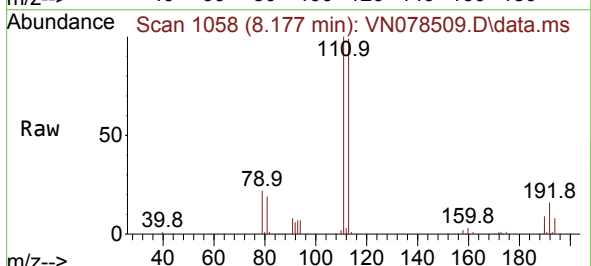
Tgt Ion:113 Resp: 284914

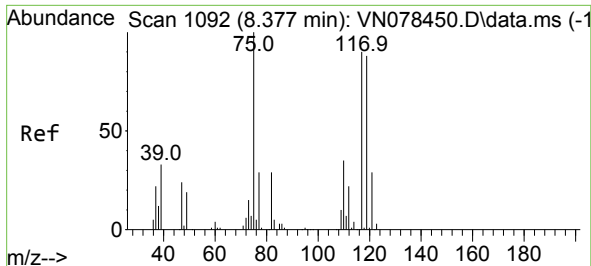
Ion Ratio Lower Upper

113 100

111 100.6 82.6 123.8

192 17.8 12.7 19.1

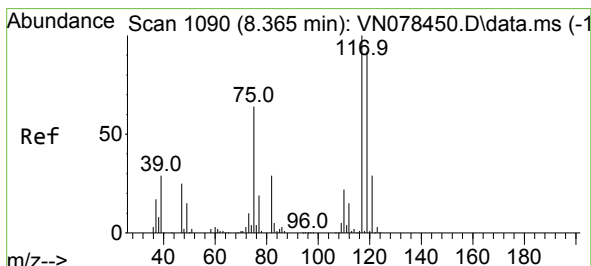
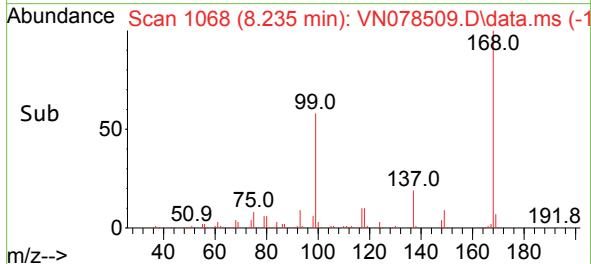
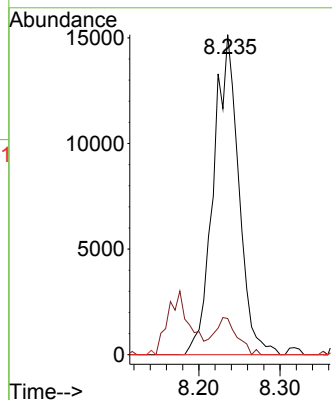
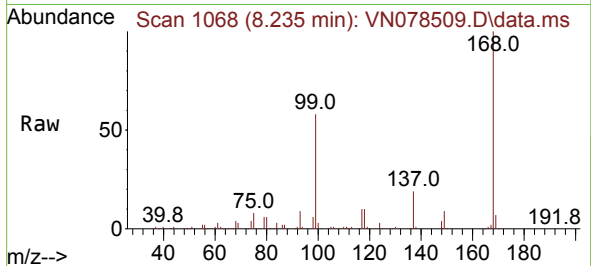




#36  
1,1-Dichloropropene  
Concen: 4.552 ug/l  
RT: 8.235 min Scan# 1068  
Delta R.T. -0.142 min  
Lab File: VN078509.D  
Acq: 14 Jul 2023 09:45

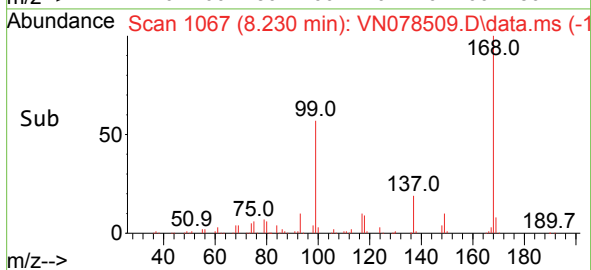
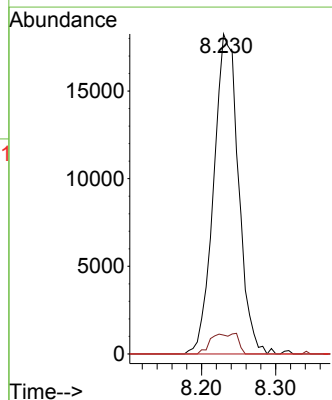
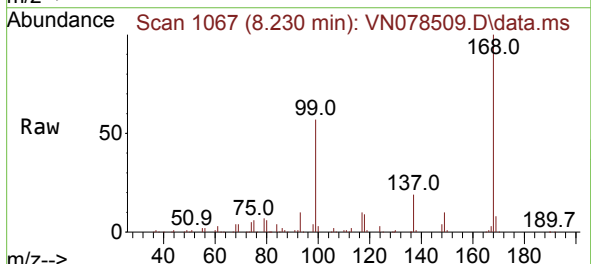
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0714MBL01

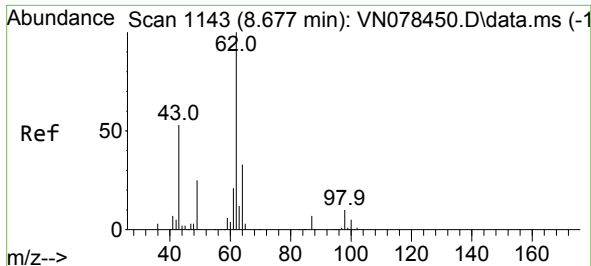
Tgt Ion: 75 Resp: 32834  
Ion Ratio Lower Upper  
75 100  
110 10.6 19.1 57.3#  
77 0.0 25.0 37.4#



#38  
Carbon Tetrachloride  
Concen: 5.409 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.135 min  
Lab File: VN078509.D  
Acq: 14 Jul 2023 09:45

Tgt Ion: 117 Resp: 42407  
Ion Ratio Lower Upper  
117 100  
119 5.9 77.3 115.9#  
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.203 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.005 min

Lab File: VN078509.D

Acq: 14 Jul 2023 09:45

Instrument :

MSVOA\_N

ClientSampleId :

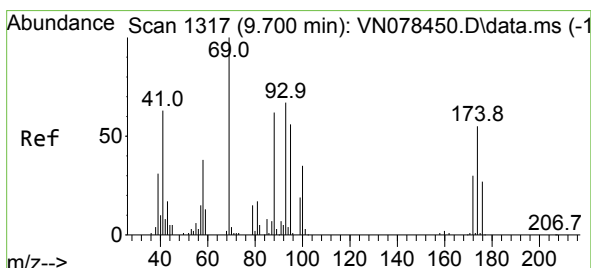
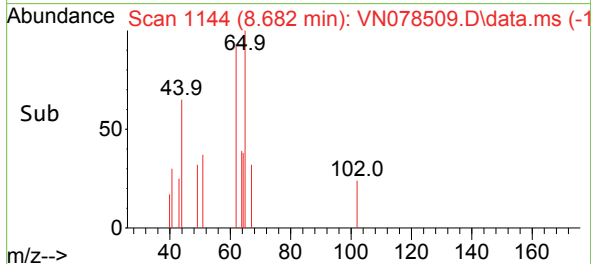
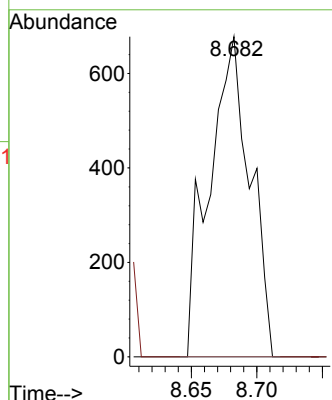
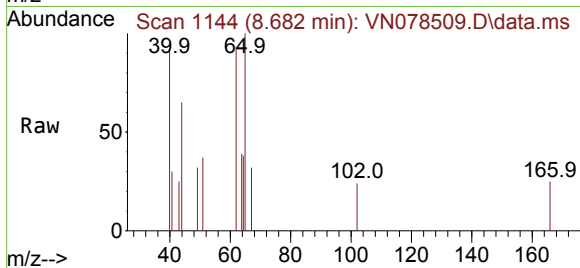
VN0714MBL01

Tgt Ion: 62 Resp: 1475

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#49

1,4-Dioxane

Concen: 0.580 ug/l

RT: 9.865 min Scan# 1345

Delta R.T. 0.165 min

Lab File: VN078509.D

Acq: 14 Jul 2023 09:45

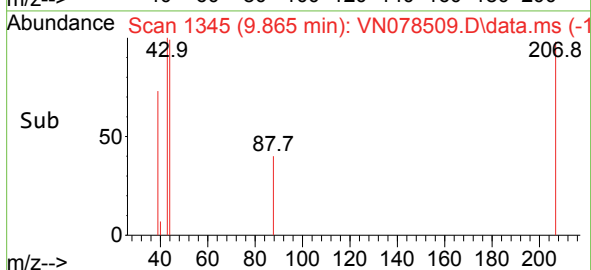
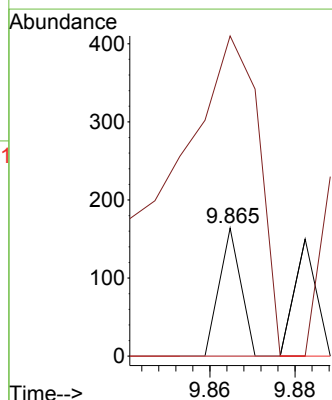
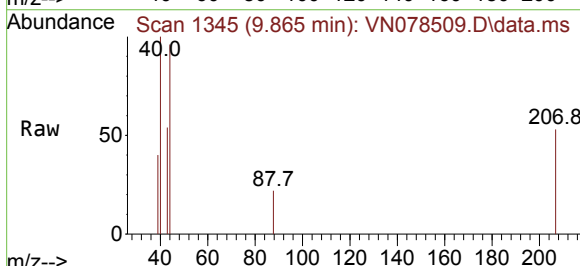
Tgt Ion: 88 Resp: 58

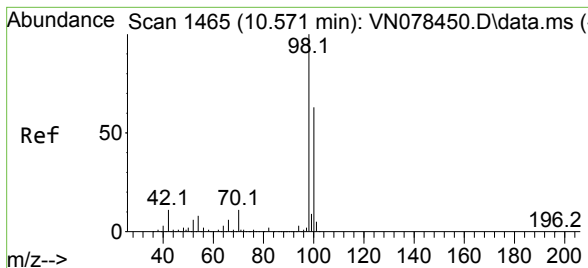
Ion Ratio Lower Upper

88 100

43 919.0 17.0 25.6#

58 0.0 47.0 70.4#

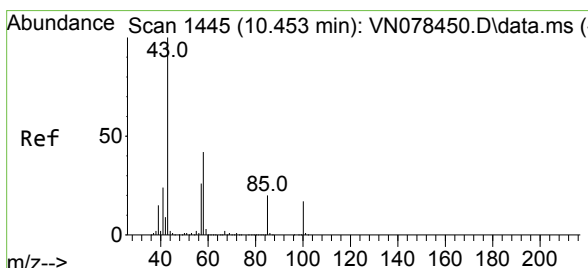
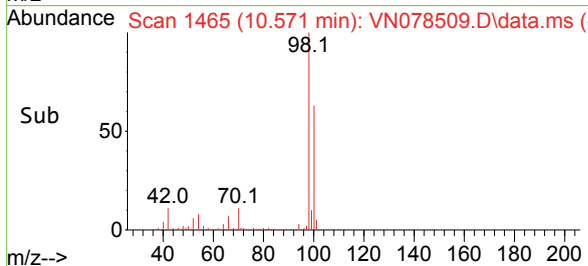
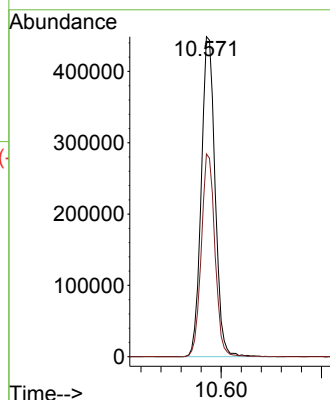
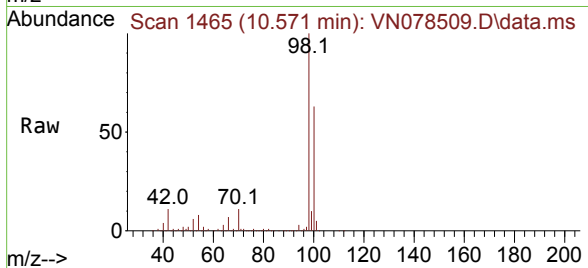




#50  
Toluene-d8  
Concen: 45.390 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN078509.D  
Acq: 14 Jul 2023 09:45

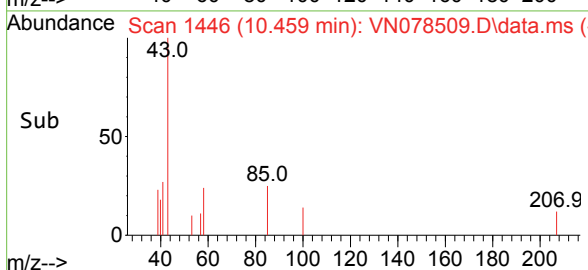
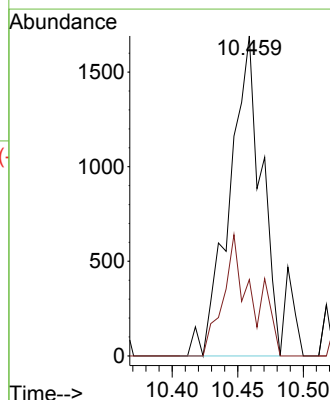
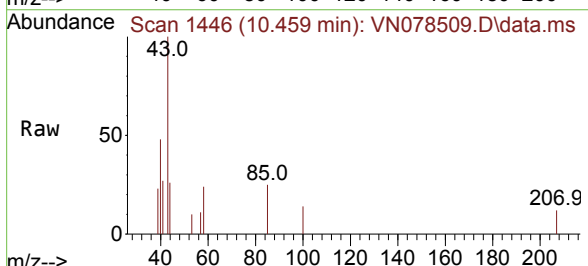
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0714MBL01

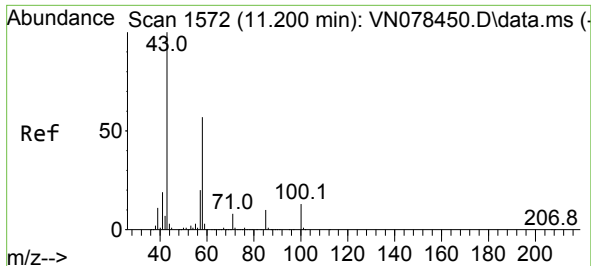
Tgt Ion: 98 Resp: 856604  
Ion Ratio Lower Upper  
98 100  
100 62.5 52.0 78.0



#51  
4-Methyl-2-Pentanone  
Concen: 0.487 ug/l  
RT: 10.459 min Scan# 1446  
Delta R.T. 0.006 min  
Lab File: VN078509.D  
Acq: 14 Jul 2023 09:45

Tgt Ion: 43 Resp: 2866  
Ion Ratio Lower Upper  
43 100  
58 34.8 36.6 54.8#

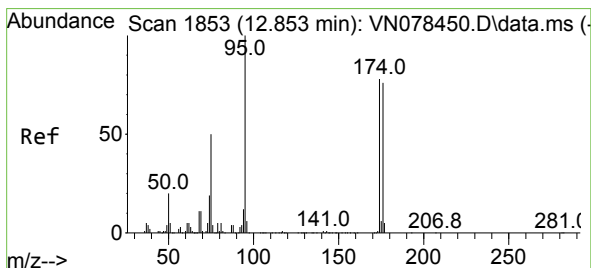
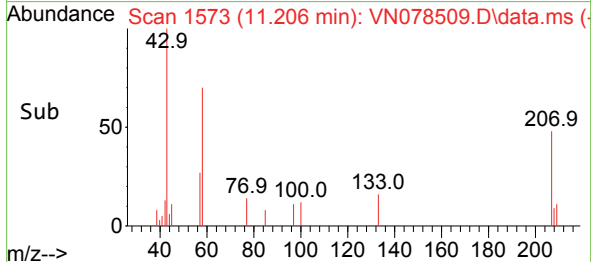
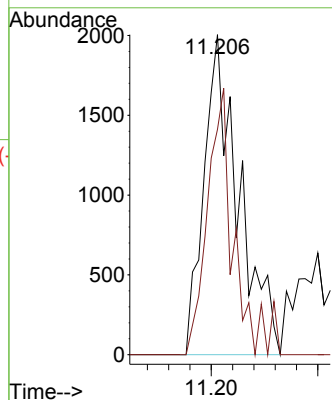
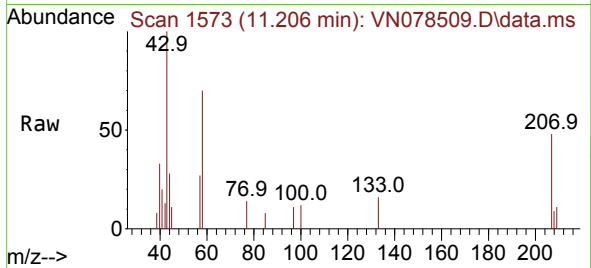




#59  
2-Hexanone  
Concen: 1.078 ug/l  
RT: 11.206 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN078509.D  
Acq: 14 Jul 2023 09:45

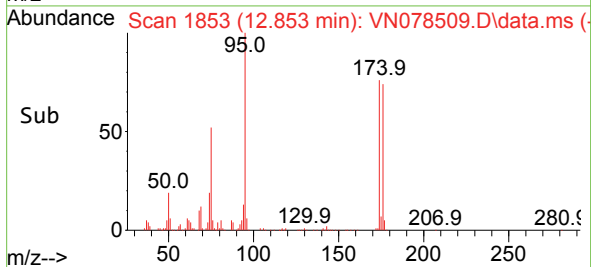
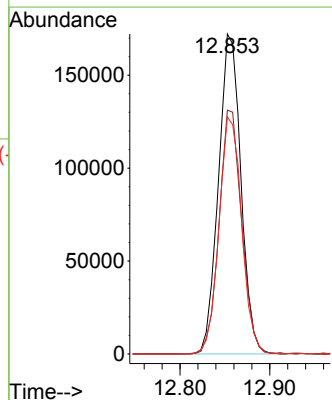
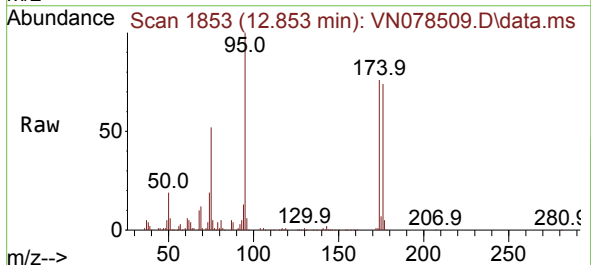
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0714MBL01

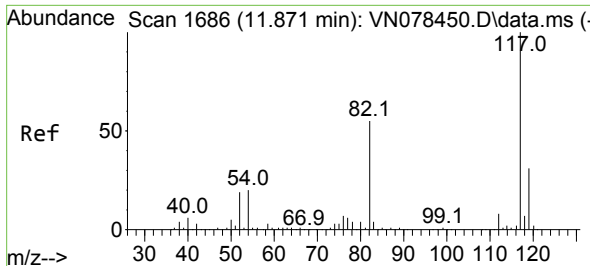
Tgt Ion: 43 Resp: 4511  
Ion Ratio Lower Upper  
43 100  
58 58.2 31.7 95.1



#62  
4-Bromofluorobenzene  
Concen: 51.423 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN078509.D  
Acq: 14 Jul 2023 09:45

Tgt Ion: 95 Resp: 298927  
Ion Ratio Lower Upper  
95 100  
174 76.6 0.0 143.8  
176 74.8 0.0 135.8

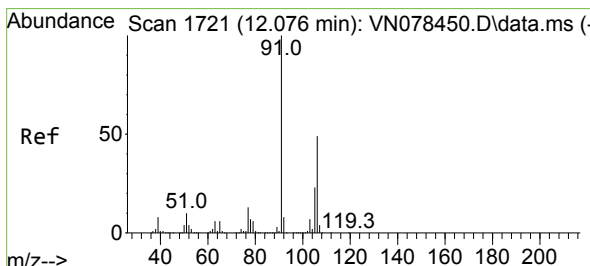
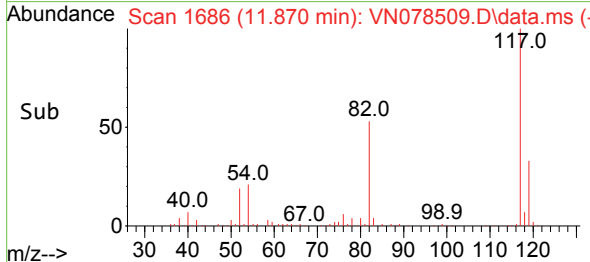
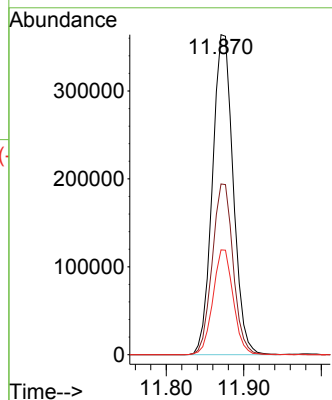
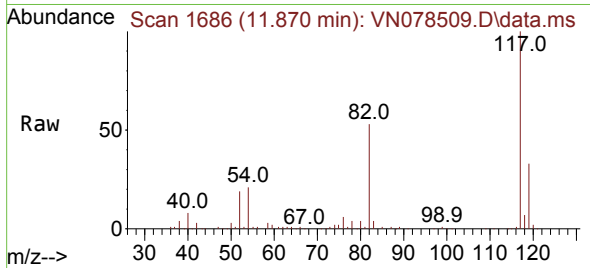




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 117  
Delta R.T. -0.001 min  
Lab File: VN078509.D  
Acq: 14 Jul 2023 09:45

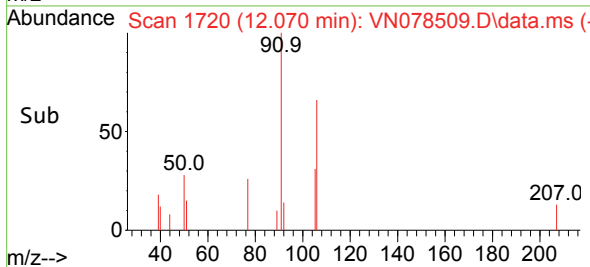
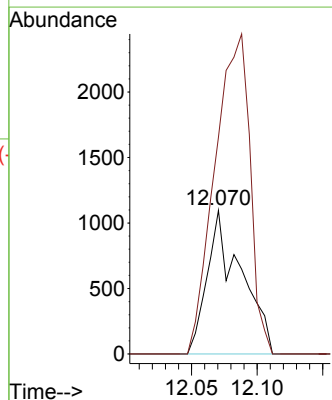
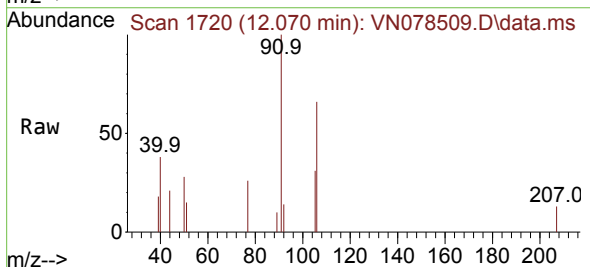
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0714MBL01

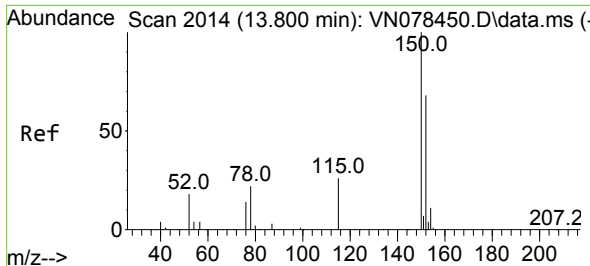
Tgt Ion:117 Resp: 677826  
Ion Ratio Lower Upper  
117 100  
82 53.4 44.0 66.0  
119 32.8 25.6 38.4



#68  
m/p-Xylenes  
Concen: 0.208 ug/l  
RT: 12.070 min Scan# 1720  
Delta R.T. -0.006 min  
Lab File: VN078509.D  
Acq: 14 Jul 2023 09:45

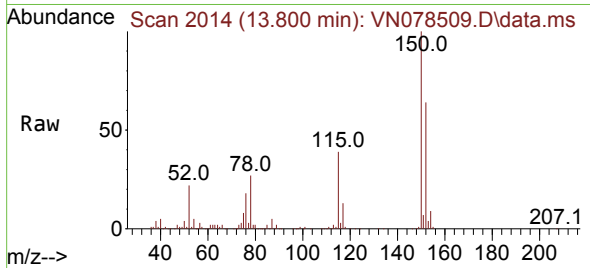
Tgt Ion:106 Resp: 1969  
Ion Ratio Lower Upper  
106 100  
91 231.1 159.6 239.4



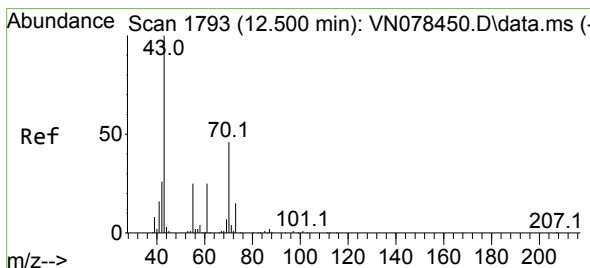
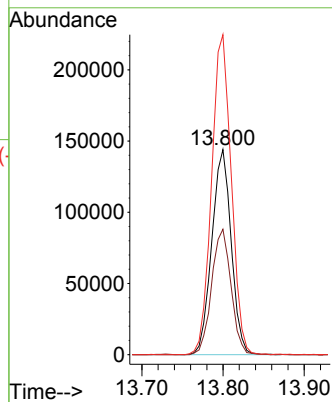
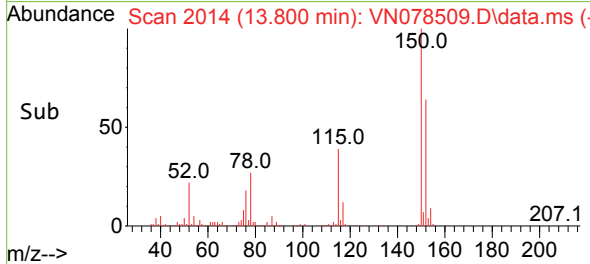


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.800 min Scan# 2014  
Delta R.T. -0.000 min  
Lab File: VN078509.D  
Acq: 14 Jul 2023 09:45

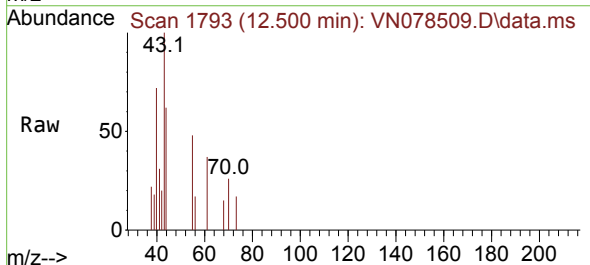
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0714MBL01



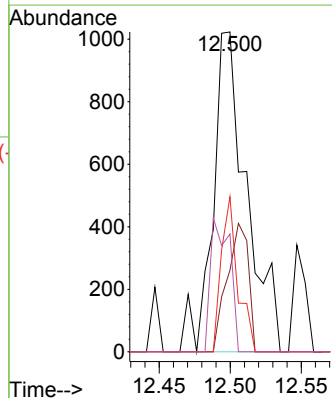
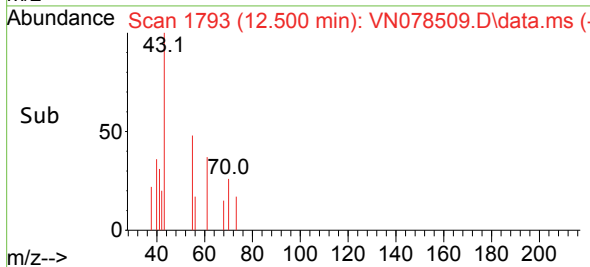
Tgt Ion:152 Resp: 239007  
Ion Ratio Lower Upper  
152 100  
115 61.0 32.3 96.8  
150 158.1 0.0 355.8

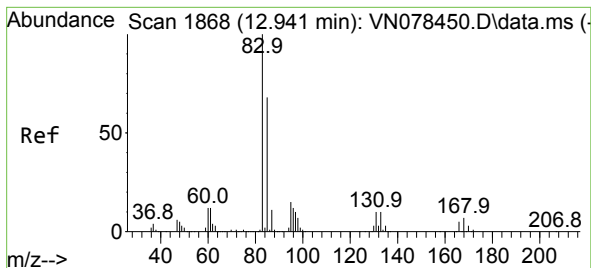


#74  
N-ethyl acetate  
Concen: 0.218 ug/l  
RT: 12.500 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VN078509.D  
Acq: 14 Jul 2023 09:45



Tgt Ion: 43 Resp: 1687  
Ion Ratio Lower Upper  
43 100  
70 25.2 43.4 65.2#  
55 23.7 21.4 32.0  
61 23.9 22.8 34.2





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.947 min Scan# 1869

Delta R.T. 0.006 min

Lab File: VN078509.D

Acq: 14 Jul 2023 09:45

Instrument :

MSVOA\_N

ClientSampleId :

VN0714MBL01

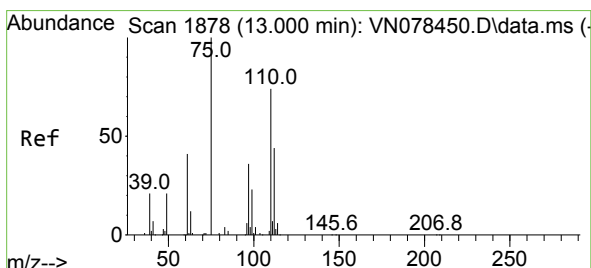
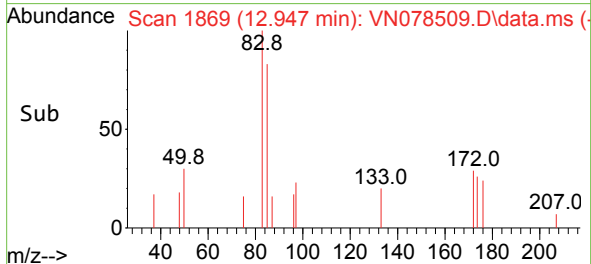
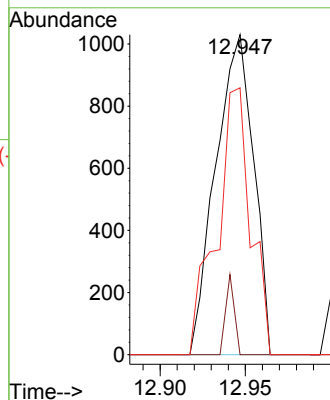
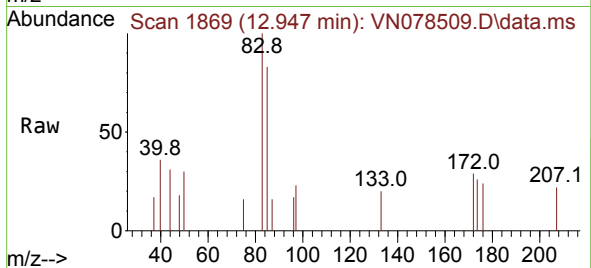
Tgt Ion: 83 Resp: 1591

Ion Ratio Lower Upper

83 100

131 5.7 5.0 15.0

85 74.7 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 27.415 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN078509.D

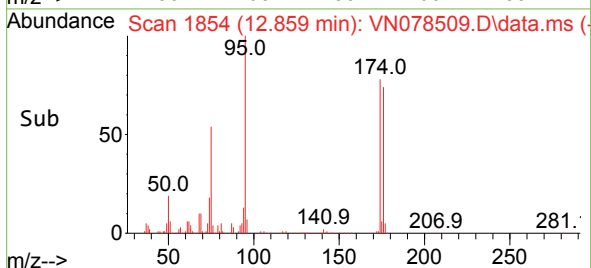
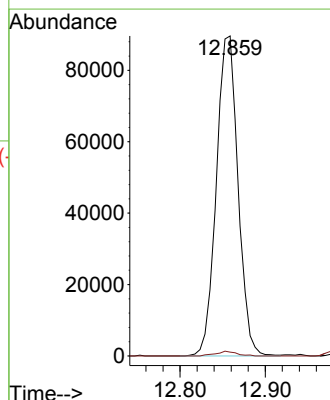
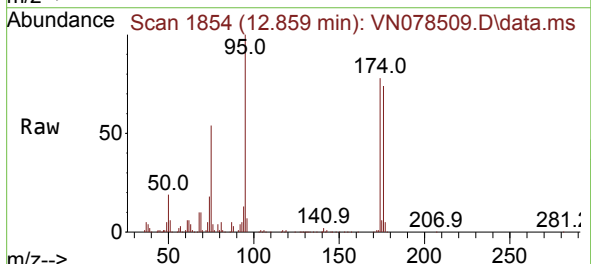
Acq: 14 Jul 2023 09:45

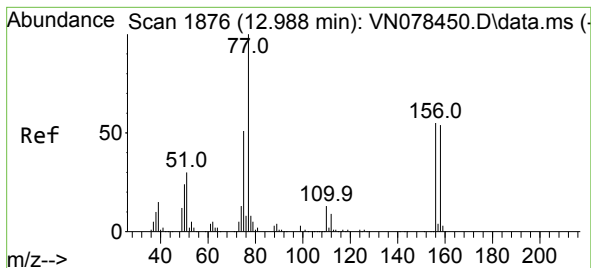
Tgt Ion: 75 Resp: 158378

Ion Ratio Lower Upper

75 100

77 1.4 84.5 253.5#





#77

Bromobenzene

Concen: Below Cal

RT: 12.988 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN078509.D

Acq: 14 Jul 2023 09:45

Instrument :

MSVOA\_N

ClientSampleId :

VN0714MBL01

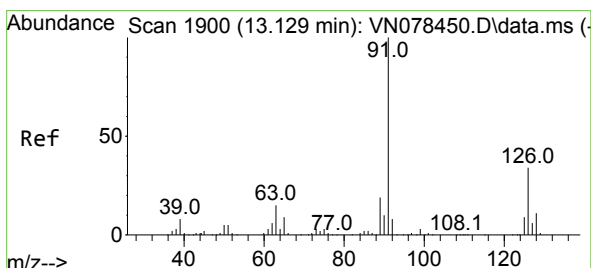
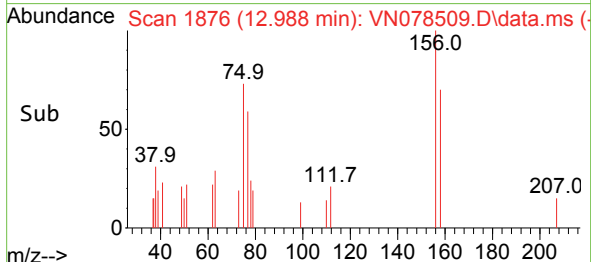
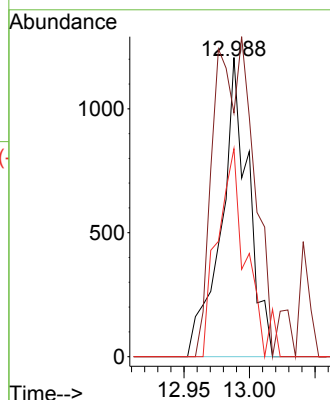
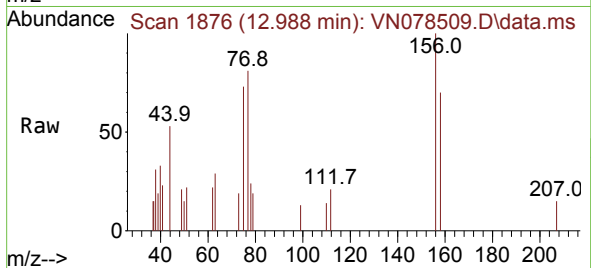
Tgt Ion:156 Resp: 1736

Ion Ratio Lower Upper

156 100

77 160.0 107.7 323.3

158 73.6 48.4 145.3



#79

2-Chlorotoluene

Concen: 0.225 ug/l

RT: 13.135 min Scan# 1901

Delta R.T. 0.006 min

Lab File: VN078509.D

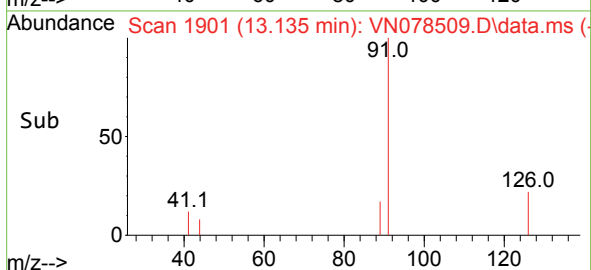
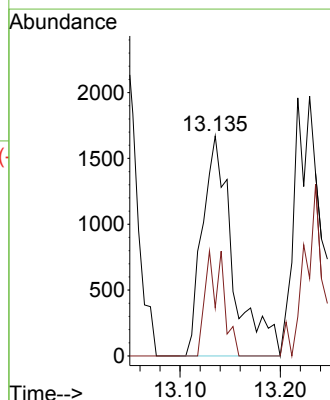
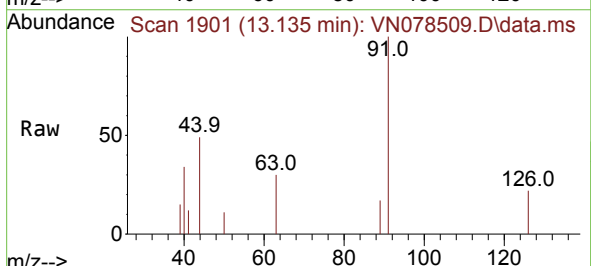
Acq: 14 Jul 2023 09:45

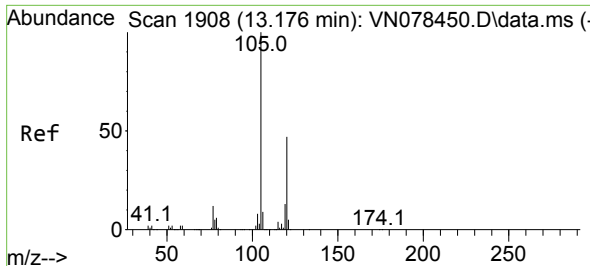
Tgt Ion: 91 Resp: 3544

Ion Ratio Lower Upper

91 100

126 27.3 16.3 48.8

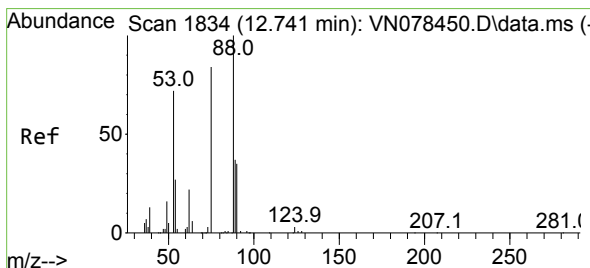
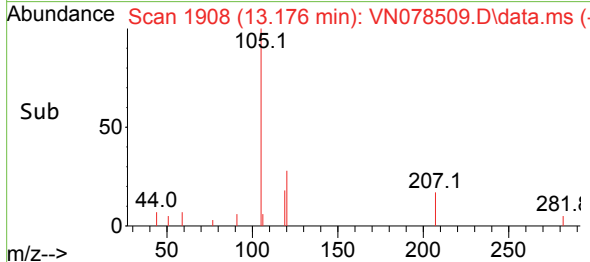
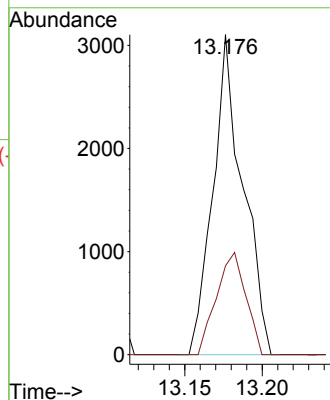
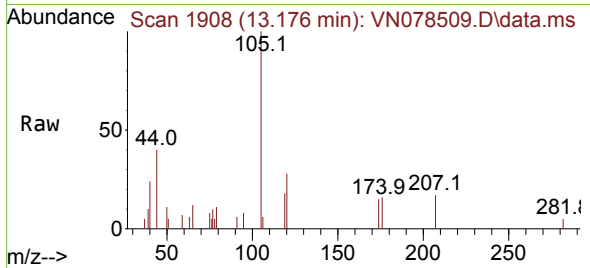




#80  
1,3,5-Trimethylbenzene  
Concen: 0.234 ug/l  
RT: 13.176 min Scan# 1908  
Delta R.T. 0.000 min  
Lab File: VN078509.D  
Acq: 14 Jul 2023 09:45

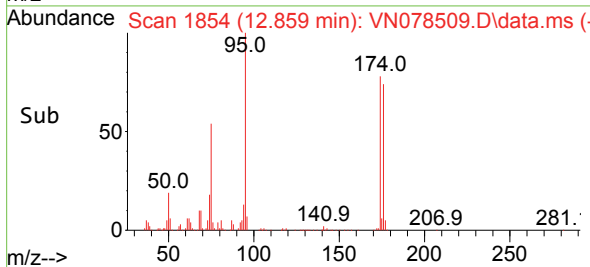
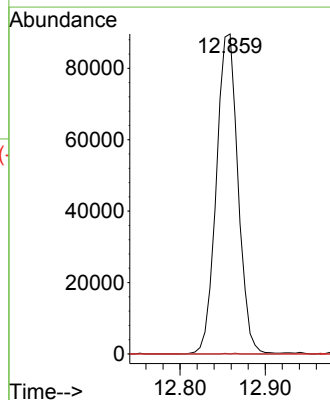
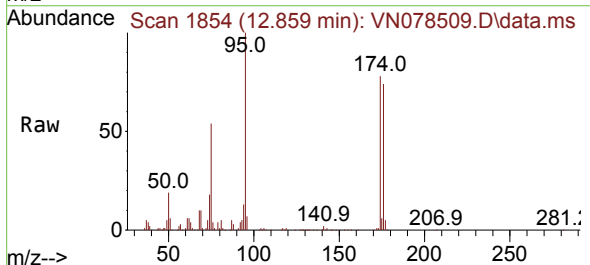
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0714MBL01

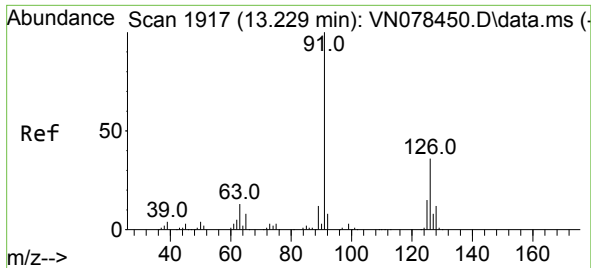
Tgt Ion:105 Resp: 4158  
Ion Ratio Lower Upper  
105 100  
120 31.3 24.1 72.3



#81  
trans-1,4-Dichloro-2-butene  
Concen: 72.041 ug/l  
RT: 12.859 min Scan# 1854  
Delta R.T. 0.118 min  
Lab File: VN078509.D  
Acq: 14 Jul 2023 09:45

Tgt Ion: 75 Resp: 158378  
Ion Ratio Lower Upper  
75 100  
53 0.0 67.4 101.2#  
89 0.0 38.8 58.2#

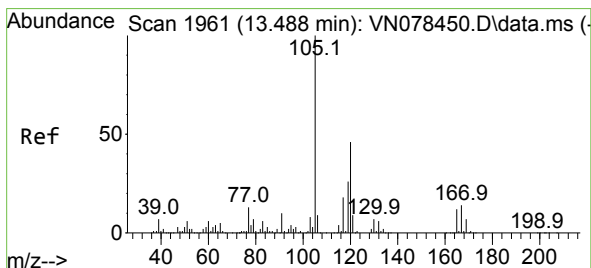
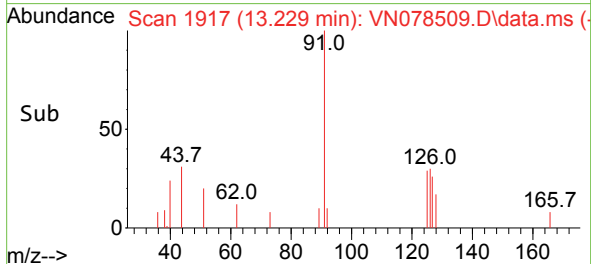
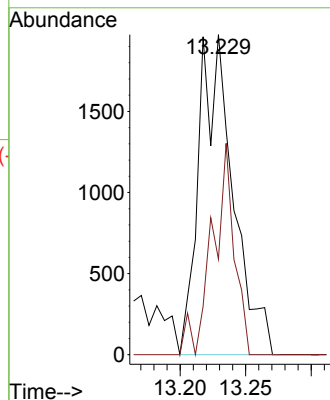
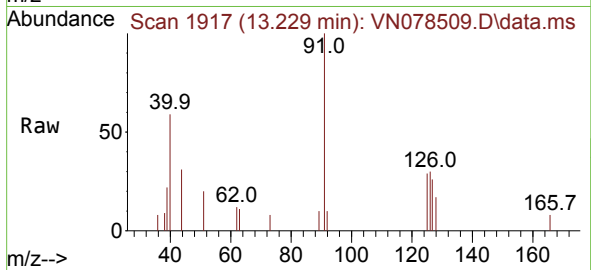




#82  
4-Chlorotoluene  
Concen: 0.244 ug/l  
RT: 13.229 min Scan# 1917  
Delta R.T. 0.000 min  
Lab File: VN078509.D  
Acq: 14 Jul 2023 09:45

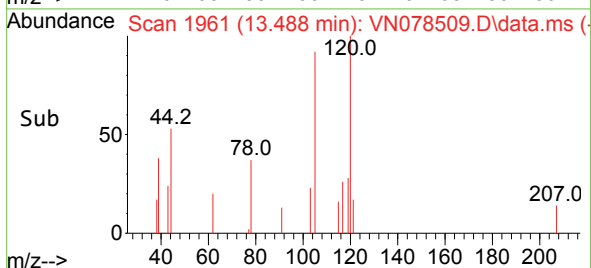
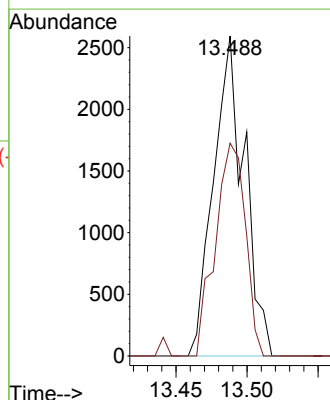
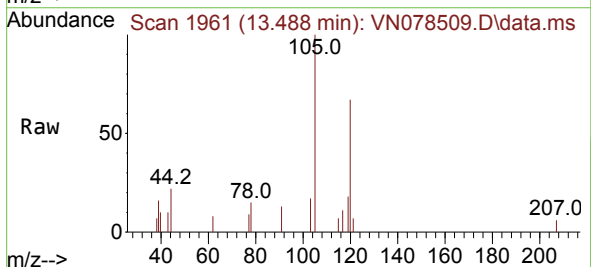
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0714MBL01

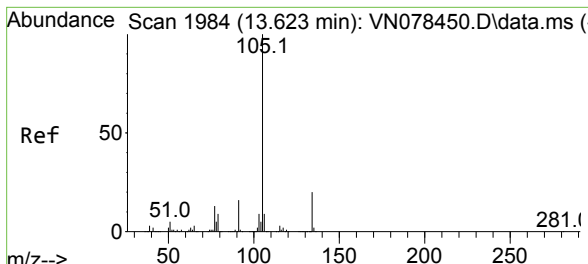
Tgt Ion: 91 Resp: 3580  
Ion Ratio Lower Upper  
91 100  
126 42.2 16.7 50.0



#84  
1,2,4-Trimethylbenzene  
Concen: 0.228 ug/l  
RT: 13.488 min Scan# 1961  
Delta R.T. 0.000 min  
Lab File: VN078509.D  
Acq: 14 Jul 2023 09:45

Tgt Ion: 105 Resp: 3935  
Ion Ratio Lower Upper  
105 100  
120 64.8 22.0 66.0

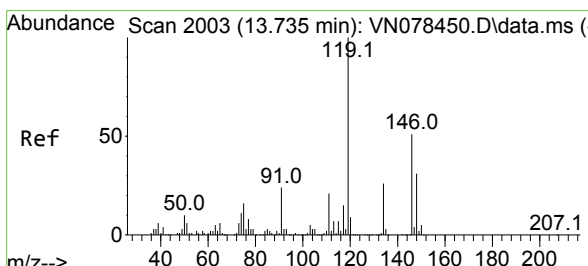
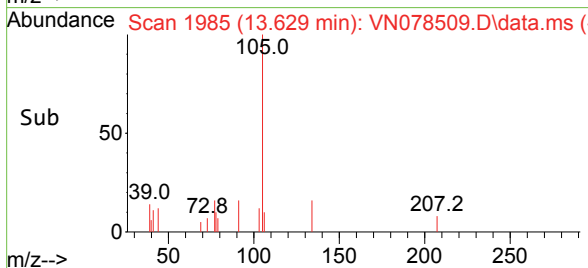
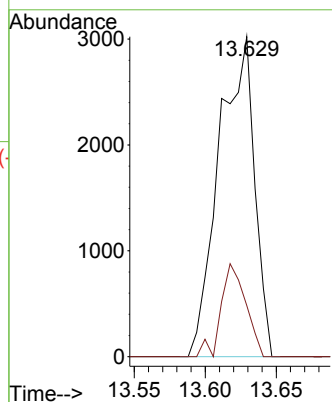
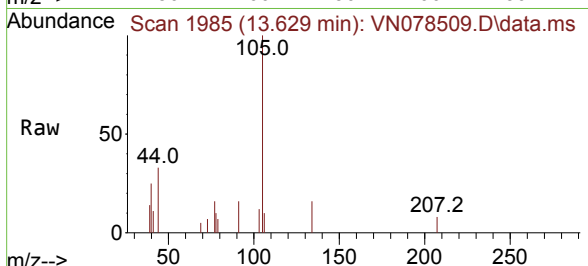




#85  
 sec-Butylbenzene  
 Concen: 0.276 ug/l  
 RT: 13.629 min Scan# 1984  
 Delta R.T. 0.006 min  
 Lab File: VN078509.D  
 Acq: 14 Jul 2023 09:45

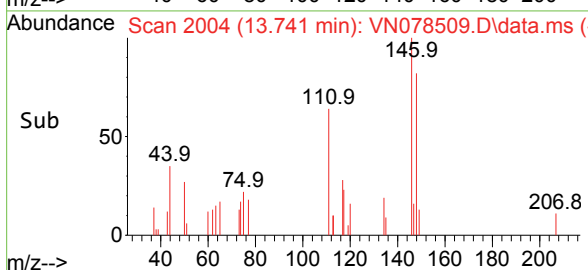
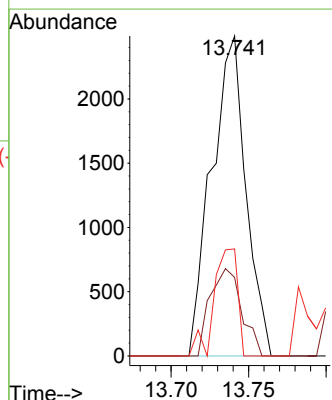
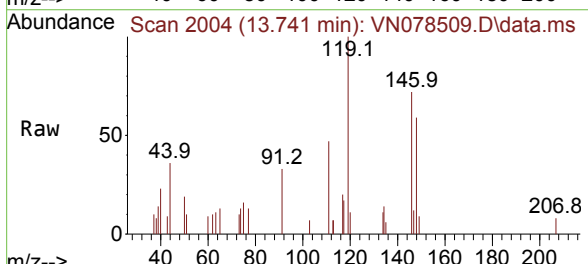
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0714MBL01

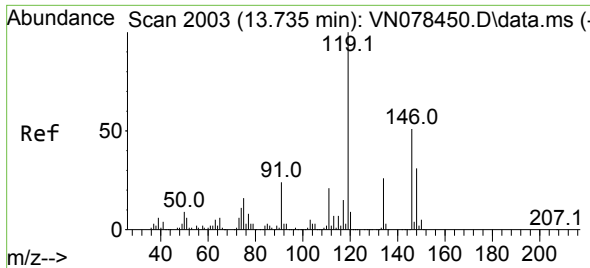
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 105   | Resp: | 5249 |
| Ion Ratio | Lower | Upper |      |
| 105       | 100   |       |      |
| 134       | 20.1  | 9.8   | 29.3 |



#86  
 p-Isopropyltoluene  
 Concen: 0.251 ug/l  
 RT: 13.741 min Scan# 2004  
 Delta R.T. 0.006 min  
 Lab File: VN078509.D  
 Acq: 14 Jul 2023 09:45

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 119   | Resp: | 3831 |
| Ion Ratio | Lower | Upper |      |
| 119       | 100   |       |      |
| 134       | 25.2  | 12.6  | 37.8 |
| 91        | 23.0  | 12.4  | 37.2 |

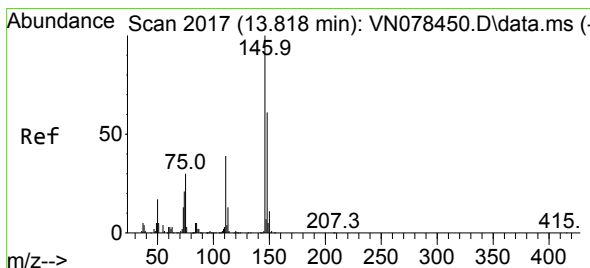
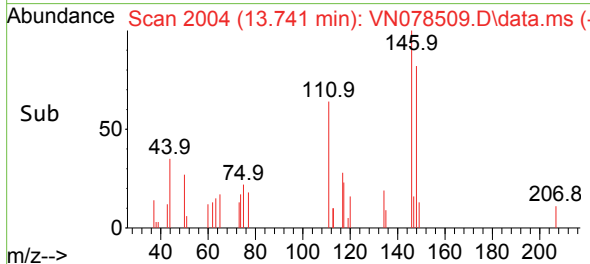
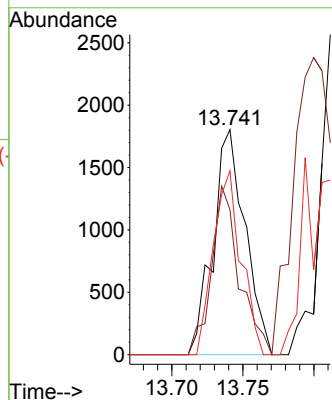
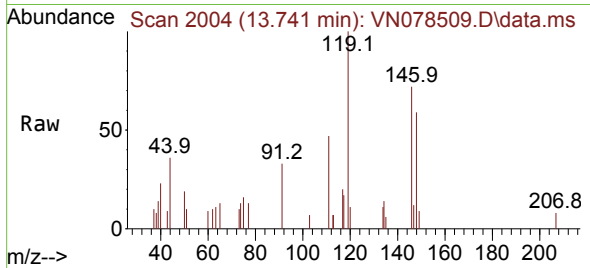




#87  
 1,3-Dichlorobenzene  
 Concen: 0.327 ug/l  
 RT: 13.741 min Scan# 2004  
 Delta R.T. 0.006 min  
 Lab File: VN078509.D  
 Acq: 14 Jul 2023 09:45

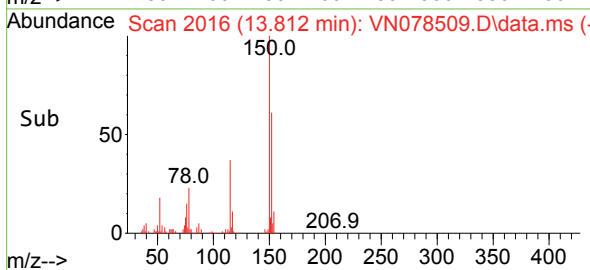
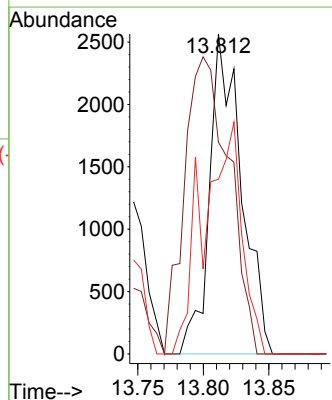
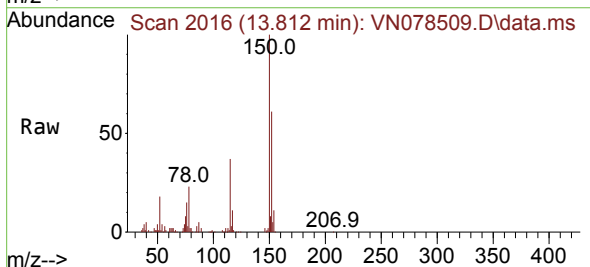
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0714MBL01

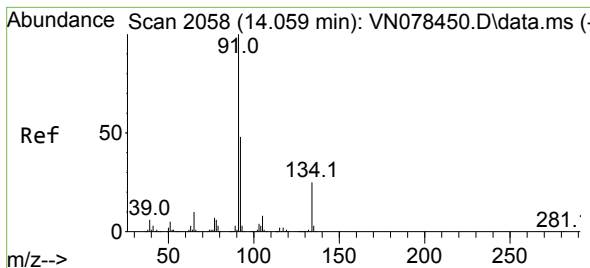
Tgt Ion:146 Resp: 2821  
 Ion Ratio Lower Upper  
 146 100  
 111 65.4 22.1 66.3  
 148 71.2 32.0 96.0



#88  
 1,4-Dichlorobenzene  
 Concen: 0.501 ug/l  
 RT: 13.812 min Scan# 2016  
 Delta R.T. -0.006 min  
 Lab File: VN078509.D  
 Acq: 14 Jul 2023 09:45

Tgt Ion:146 Resp: 4351  
 Ion Ratio Lower Upper  
 146 100  
 111 0.0 20.6 61.8#  
 148 86.7 31.6 94.8





#89

n-Butylbenzene

Concen: 0.601 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. -0.000 min

Lab File: VN078509.D

Acq: 14 Jul 2023 09:45

Instrument :

MSVOA\_N

ClientSampleId :

VN0714MBL01

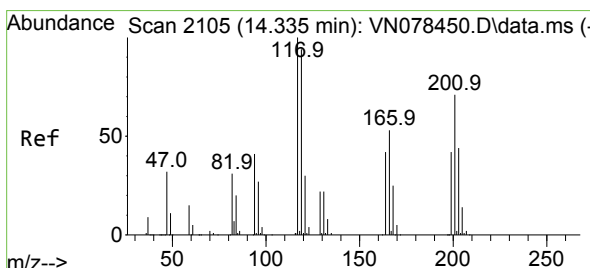
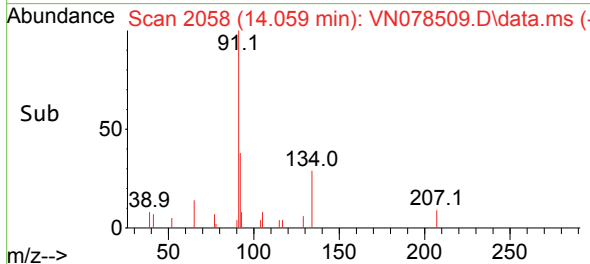
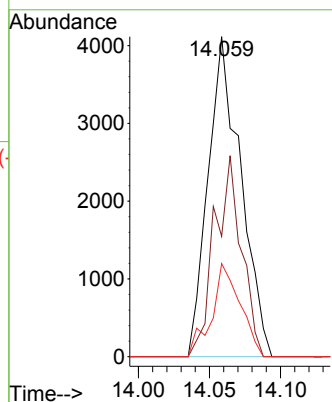
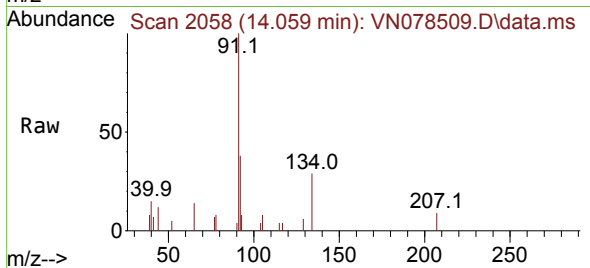
Tgt Ion: 91 Resp: 6578

Ion Ratio Lower Upper

91 100

92 51.8 26.4 79.0

134 25.5 12.6 37.6



#90

Hexachloroethane

Concen: Below Cal

RT: 14.341 min Scan# 2106

Delta R.T. 0.006 min

Lab File: VN078509.D

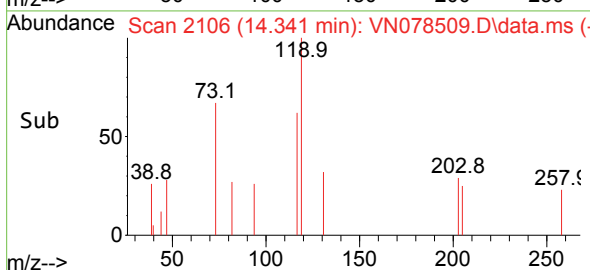
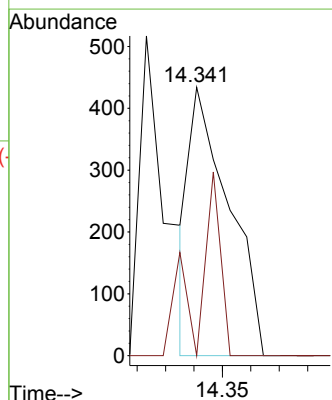
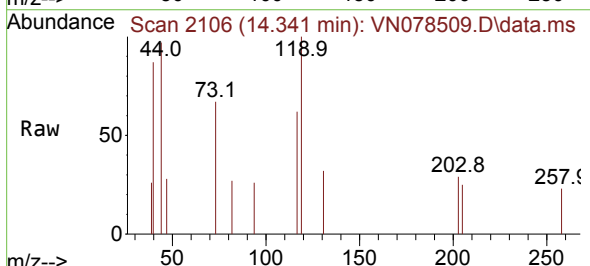
Acq: 14 Jul 2023 09:45

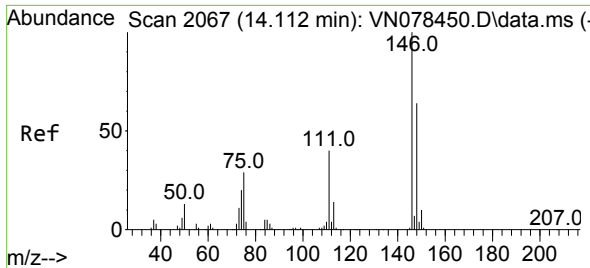
Tgt Ion: 117 Resp: 416

Ion Ratio Lower Upper

117 100

201 39.4 29.3 88.0

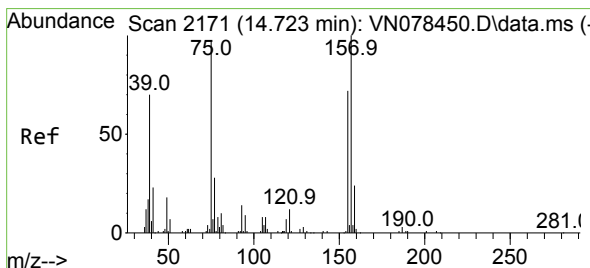
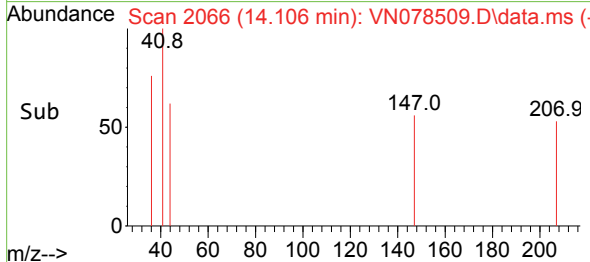
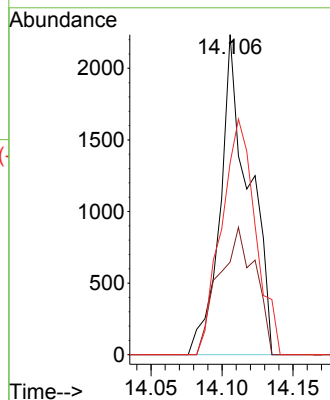
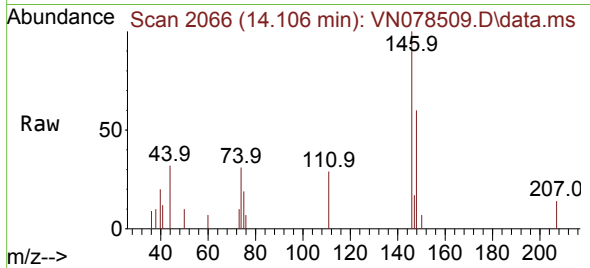




#91  
1,2-Dichlorobenzene  
Concen: 0.366 ug/l  
RT: 14.106 min Scan# 2066  
Delta R.T. -0.006 min  
Lab File: VN078509.D  
Acq: 14 Jul 2023 09:45

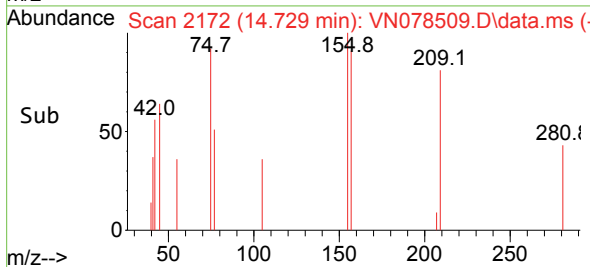
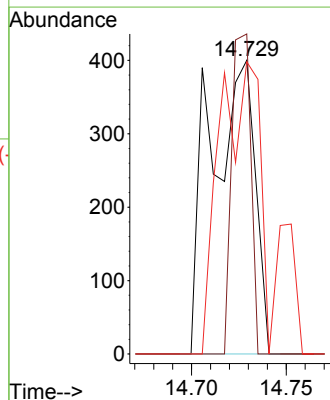
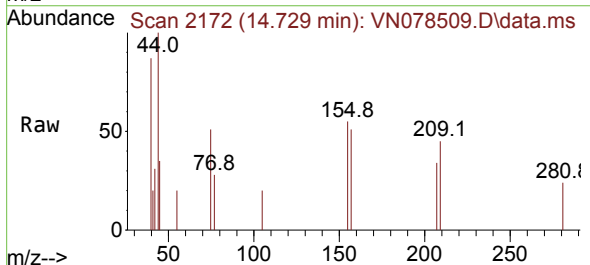
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0714MBL01

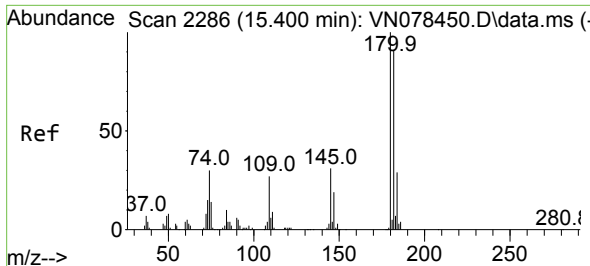
Tgt Ion:146 Resp: 3138  
Ion Ratio Lower Upper  
146 100  
111 50.4 22.0 66.0  
148 87.9 31.8 95.3



#92  
1,2-Dibromo-3-Chloropropane  
Concen: Below Cal  
RT: 14.729 min Scan# 2172  
Delta R.T. 0.006 min  
Lab File: VN078509.D  
Acq: 14 Jul 2023 09:45

Tgt Ion: 75 Resp: 649  
Ion Ratio Lower Upper  
75 100  
155 47.0 39.1 117.2  
157 108.8 50.3 150.9

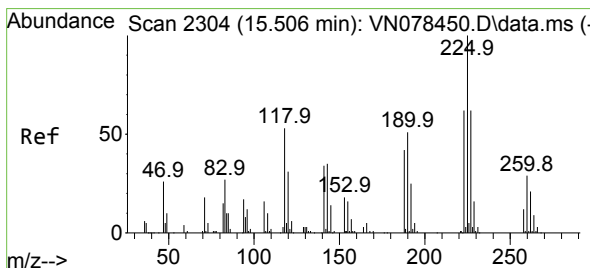
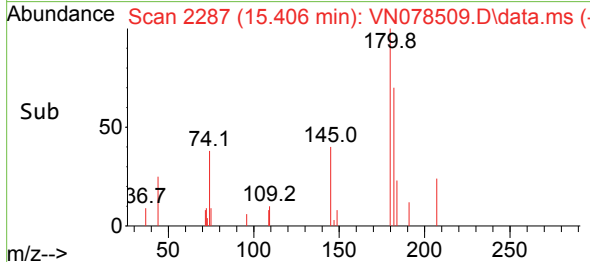
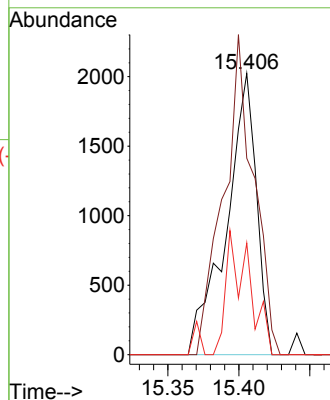
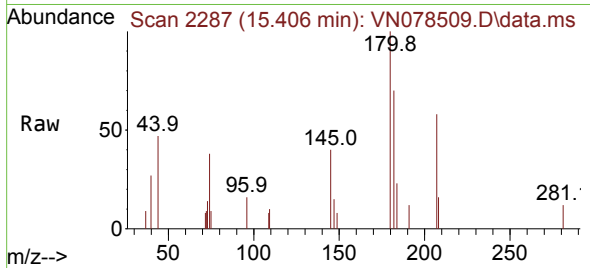




#93  
1,2,4-Trichlorobenzene  
Concen: 1.088 ug/l  
RT: 15.406 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VN078509.D  
Acq: 14 Jul 2023 09:45

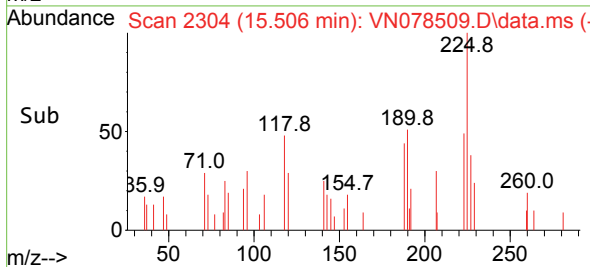
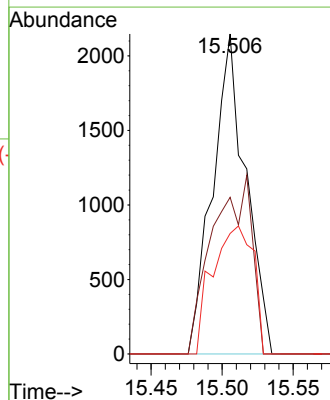
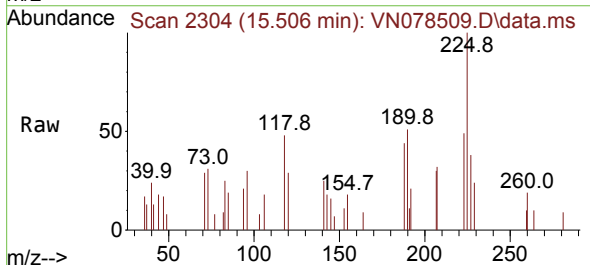
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0714MBL01

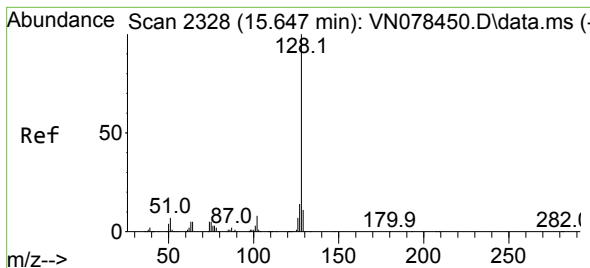
Tgt Ion:180 Resp: 2980  
Ion Ratio Lower Upper  
180 100  
182 113.9 46.1 138.2  
145 33.5 16.6 49.8



#94  
Hexachlorobutadiene  
Concen: Below Cal  
RT: 15.506 min Scan# 2304  
Delta R.T. -0.000 min  
Lab File: VN078509.D  
Acq: 14 Jul 2023 09:45

Tgt Ion:225 Resp: 3488  
Ion Ratio Lower Upper  
225 100  
223 65.8 31.3 93.8  
227 49.3 31.9 95.9





#95

Naphthalene

Concen: 1.324 ug/l

RT: 15.653 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN078509.D

Acq: 14 Jul 2023 09:45

Instrument :

MSVOA\_N

ClientSampleId :

VN0714MBL01

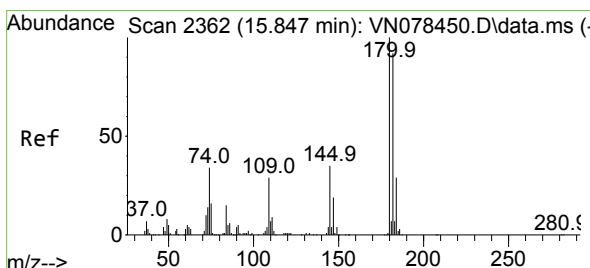
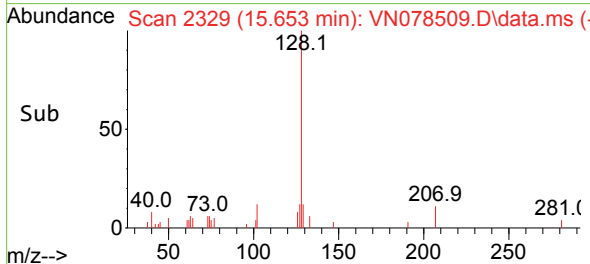
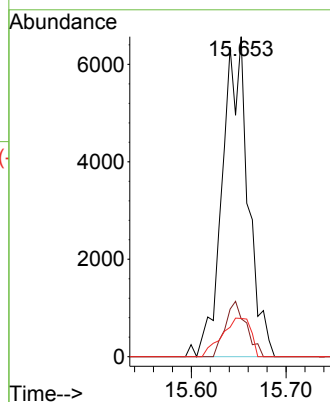
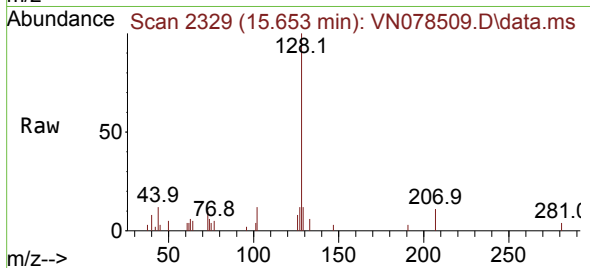
Tgt Ion:128 Resp: 12392

Ion Ratio Lower Upper

128 100

127 14.2 10.0 15.0

129 13.5 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 1.335 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.006 min

Lab File: VN078509.D

Acq: 14 Jul 2023 09:45

Tgt Ion:180 Resp: 4202

Ion Ratio Lower Upper

180 100

182 98.5 46.2 138.6

145 36.9 17.5 52.6

