

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090123\  
 Data File : VN079124.D  
 Acq On : 01 Sep 2023 15:46  
 Operator : JC\MD  
 Sample : 04232-03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Sep 01 23:14:18 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081523W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 16 02:42:02 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.235  | 168  | 258243   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 535926   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.870 | 117  | 413906   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 207344   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 208634   | 51.919   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 103.840% |      |
| 35) Dibromofluoromethane    | 8.171  | 113   | 180184   | 49.946   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 99.900%  |      |
| 50) Toluene-d8              | 10.571 | 98    | 652040   | 48.677   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 97.360%  |      |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 235964   | 53.893   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 107.780% |      |

|                             |        |     |         |           |        |     |
|-----------------------------|--------|-----|---------|-----------|--------|-----|
| Target Compounds            |        |     |         | Qvalue    |        |     |
| 3) Chloromethane            | 2.365  | 50  | 1173    | 0.234     | ug/l # | 85  |
| 11) Tert butyl alcohol      | 5.541  | 59  | 1969    | 2.920     | ug/l # | 72  |
| 13) Acrolein                | 4.206  | 56  | 54      | 6.974     | ug/l # | 1   |
| 16) Acetone                 | 4.436  | 43  | 61884   | 37.323    | ug/l   | 93  |
| 17) Carbon Disulfide        | 4.718  | 76  | 19114   | 2.463     | ug/l # | 90  |
| 18) Methyl Acetate          | 5.042  | 43  | 3870    | 0.553     | ug/l # | 71  |
| 20) Methylene Chloride      | 5.283  | 84  | 18106   | 5.124     | ug/l # | 82  |
| 25) 2-Butanone              | 7.500  | 43  | 29684   | 11.166    | ug/l # | 83  |
| 29) Tetrahydrofuran         | 7.859  | 42  | 623     | 0.354     | ug/l # | 41  |
| 31) Cyclohexane             | 8.235  | 56  | 11225   | Below Cal | #      | 16  |
| 36) 1,1-Dichloropropene     | 8.235  | 75  | 21690   | 3.997     | ug/l # | 47  |
| 37) Ethyl Acetate           | 7.577  | 43  | 5732    | 0.944     | ug/l # | 86  |
| 38) Carbon Tetrachloride    | 8.235  | 117 | 27297   | 5.020     | ug/l # | 17  |
| 39) Methylcyclohexane       | 9.606  | 83  | 4740    | 0.950     | ug/l # | 76  |
| 40) Benzene                 | 8.612  | 78  | 1881444 | 117.296   | ug/l   | 100 |
| 42) 1,2-Dichloroethane      | 8.606  | 62  | 16546   | 2.761     | ug/l   | 74  |
| 43) Isopropyl Acetate       | 8.694  | 43  | 188783  | 17.591    | ug/l # | 84  |
| 48) Methyl methacrylate     | 9.671  | 41  | 6657    | 1.369     | ug/l # | 28  |
| 49) 1,4-Dioxane             | 9.694  | 88  | 54      | 0.652     | ug/l # | 30  |
| 51) 4-Methyl-2-Pentanone    | 10.453 | 43  | 84507   | 13.277    | ug/l   | 89  |
| 52) Toluene                 | 10.635 | 92  | 1017924 | 103.363   | ug/l   | 99  |
| 53) t-1,3-Dichloropropene   | 10.729 | 75  | 1734    | 0.280     | ug/l   | 94  |
| 54) cis-1,3-Dichloropropene | 10.365 | 75  | 65767   | 9.735     | ug/l # | 64  |
| 55) 1,1,2-Trichloroethane   | 10.888 | 97  | 6812    | 1.725     | ug/l # | 22  |
| 57) 1,3-Dichloropropane     | 11.206 | 76  | 6869    | 0.973     | ug/l # | 42  |
| 59) 2-Hexanone              | 11.176 | 43  | 157101  | 34.077    | ug/l # | 19  |
| 67) Ethyl Benzene           | 11.970 | 91  | 94835   | 5.919     | ug/l   | 99  |
| 68) m/p-Xylenes             | 12.076 | 106 | 214380  | 35.787    | ug/l   | 97  |
| 69) o-Xylene                | 12.400 | 106 | 144891  | 24.864    | ug/l   | 93  |
| 70) Styrene                 | 12.412 | 104 | 35870   | 3.692     | ug/l # | 38  |
| 71) Bromoform               | 12.847 | 173 | 1168    | 0.483     | ug/l # | 1   |
| 73) Isopropylbenzene        | 12.700 | 105 | 8070    | 0.467     | ug/l   | 99  |
| 74) N-amyl acetate          | 12.465 | 43  | 7169    | 0.822     | ug/l # | 37  |
| 76) 1,2,3-Trichloropropane  | 12.853 | 75  | 121316  | 24.283    | ug/l # | 1   |
| 78) n-propylbenzene         | 13.035 | 91  | 11065   | 0.552     | ug/l   | 93  |
| 79) 2-Chlorotoluene         | 13.100 | 91  | 7420    | 0.597     | ug/l # | 42  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090123\  
 Data File : VN079124.D  
 Acq On : 01 Sep 2023 15:46  
 Operator : JC\MD  
 Sample : 04232-03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Sep 01 23:14:18 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081523W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 16 02:42:02 2023  
 Response via : Initial Calibration

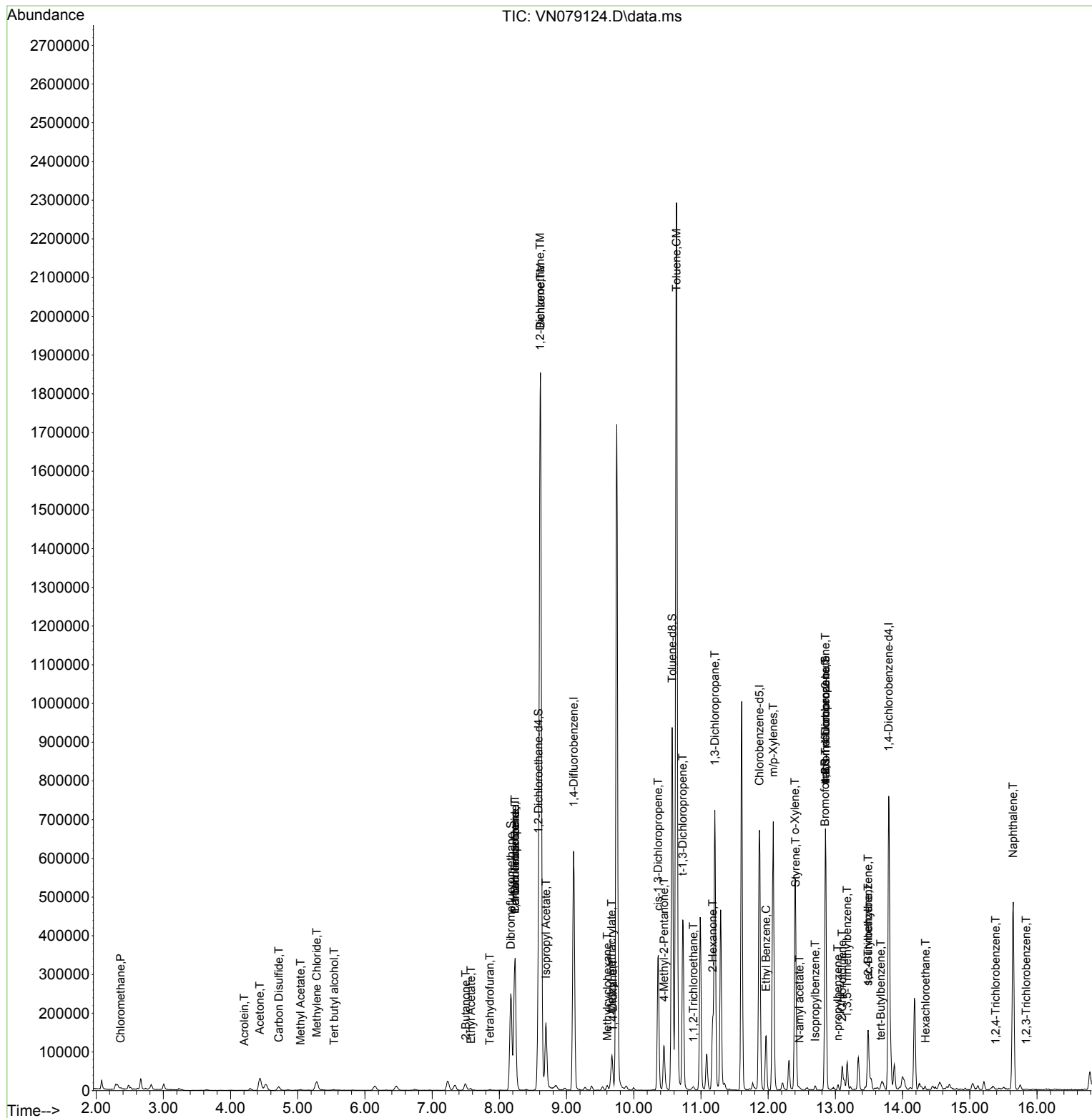
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 38662    | 2.822     | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75   | 121316   | 62.032    | ug/l # | 15       |
| 83) tert-Butylbenzene         | 13.676 | 119  | 2837     | 0.246     | ug/l   | 87       |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 97131    | 7.160     | ug/l   | 95       |
| 85) sec-Butylbenzene          | 13.488 | 105  | 97131    | 6.131     | ug/l # | 57       |
| 90) Hexachloroethane          | 14.341 | 117  | 676      | 0.266     | ug/l # | 21       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.582 | 75   | 66       | Below Cal | #      | 1        |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180  | 598      | 0.237     | ug/l # | 52       |
| 95) Naphthalene               | 15.647 | 128  | 442012   | 46.452    | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 660      | 0.239     | ug/l   | 81       |

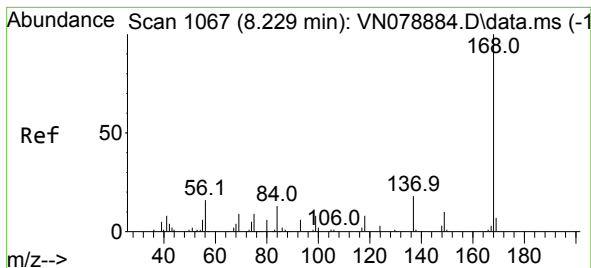
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN079123\  
Data File : VN079124.D  
Acq On : 01 Sep 2023 15:46  
Operator : JC\MD  
Sample : 04232-03  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Sep 01 23:14:18 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081523W.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 16 02:42:02 2023  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN079124.D

Acq: 01 Sep 2023 15:46

Instrument :

MSVOA\_N

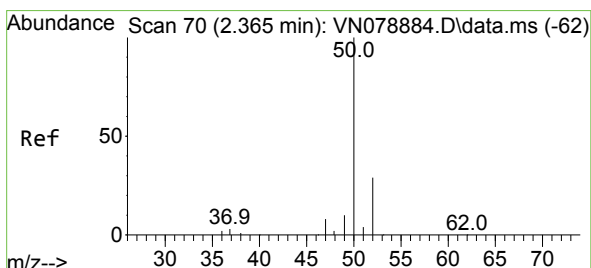
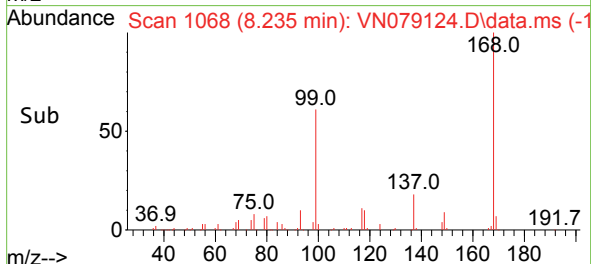
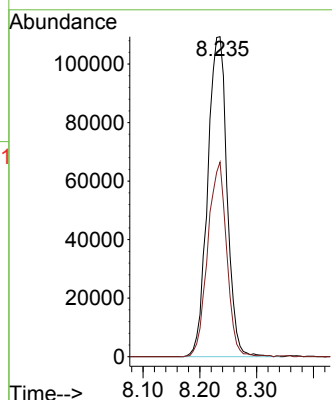
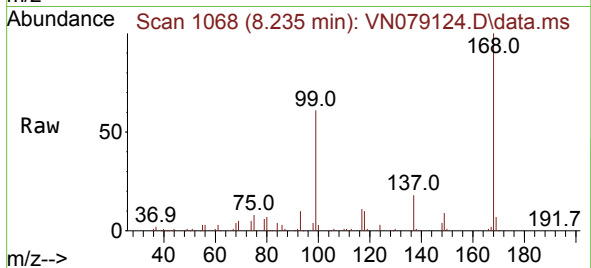
ClientSampleId :

Tgt Ion:168 Resp: 258243

Ion Ratio Lower Upper

168 100

99 60.8 53.0 79.6



#3

Chloromethane

Concen: 0.234 ug/l

RT: 2.365 min Scan# 70

Delta R.T. -0.006 min

Lab File: VN079124.D

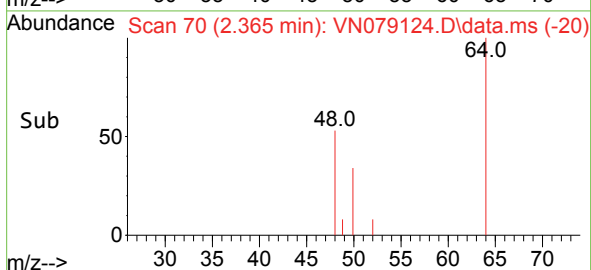
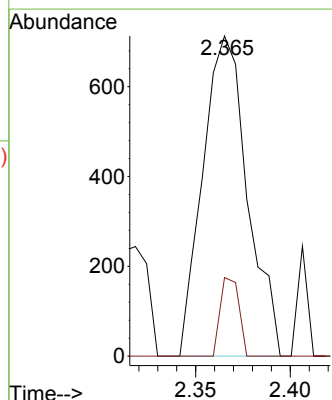
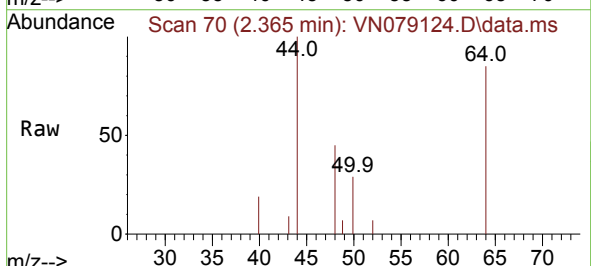
Acq: 01 Sep 2023 15:46

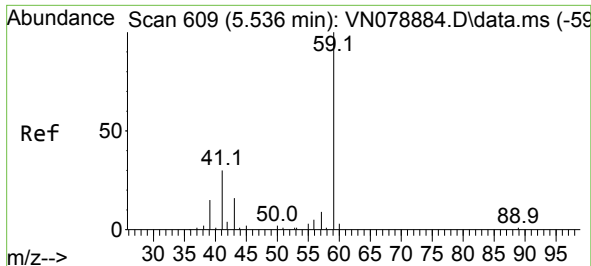
Tgt Ion: 50 Resp: 1173

Ion Ratio Lower Upper

50 100

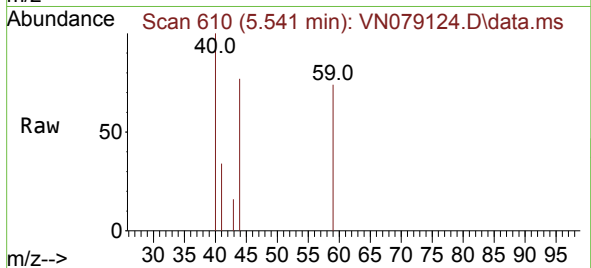
52 24.5 26.5 39.7#



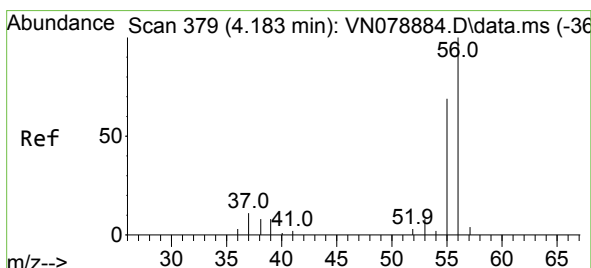
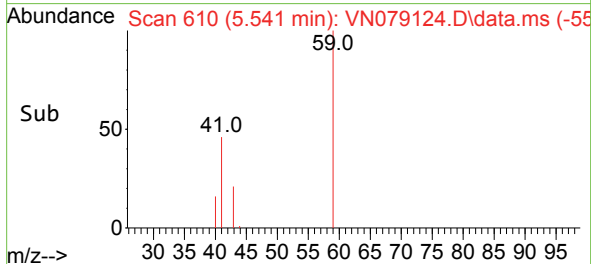
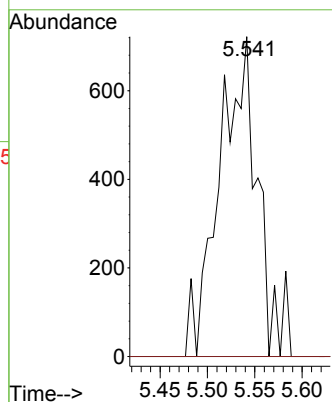


#11  
Tert butyl alcohol  
Concen: 2.920 ug/l  
RT: 5.541 min Scan# 61  
Delta R.T. -0.001 min  
Lab File: VN079124.D  
Acq: 01 Sep 2023 15:46

Instrument :  
MSVOA\_N  
ClientSampleId :

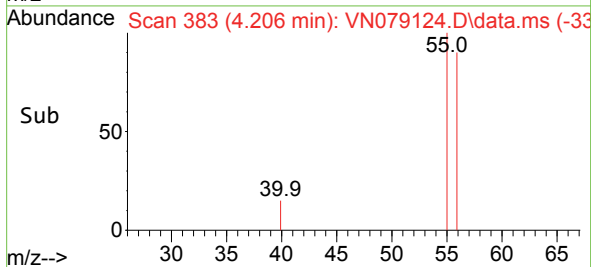
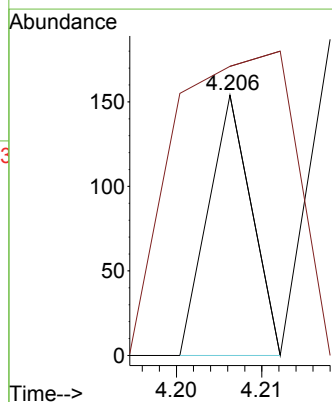
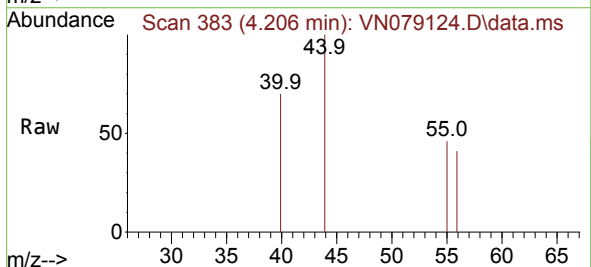


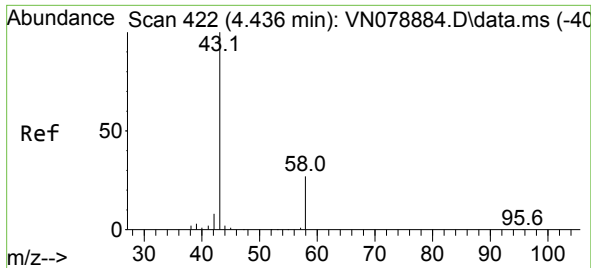
Tgt Ion: 59 Resp: 1969  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.4#



#13  
Acrolein  
Concen: 6.974 ug/l  
RT: 4.206 min Scan# 383  
Delta R.T. 0.011 min  
Lab File: VN079124.D  
Acq: 01 Sep 2023 15:46

Tgt Ion: 56 Resp: 54  
Ion Ratio Lower Upper  
56 100  
55 331.5 54.5 81.7#





#16

Acetone

Concen: 37.323 ug/l

RT: 4.436 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN079124.D

Acq: 01 Sep 2023 15:46

Instrument :

MSVOA\_N

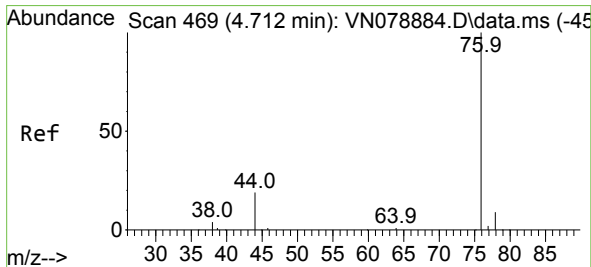
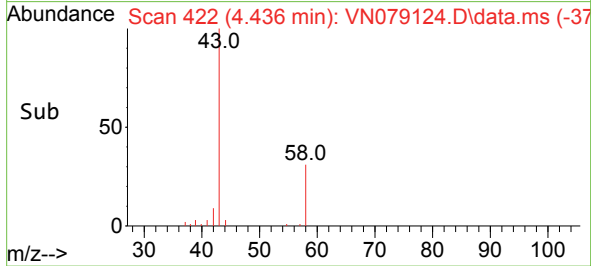
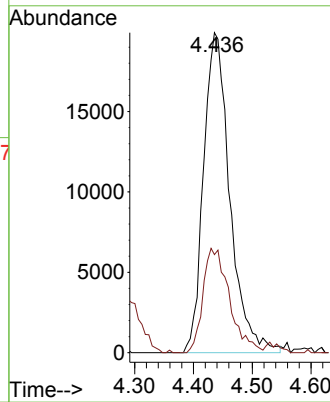
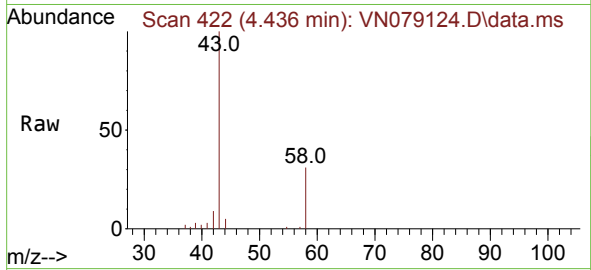
ClientSampleId :

Tgt Ion: 43 Resp: 61884

Ion Ratio Lower Upper

43 100

58 30.7 28.0 42.0



#17

Carbon Disulfide

Concen: 2.463 ug/l

RT: 4.718 min Scan# 470

Delta R.T. -0.006 min

Lab File: VN079124.D

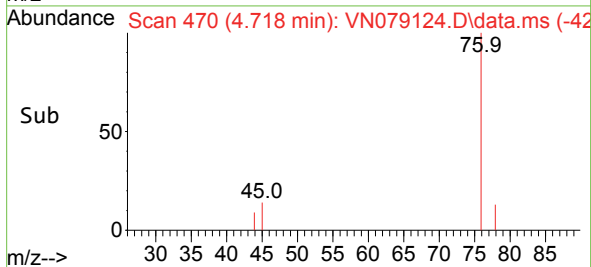
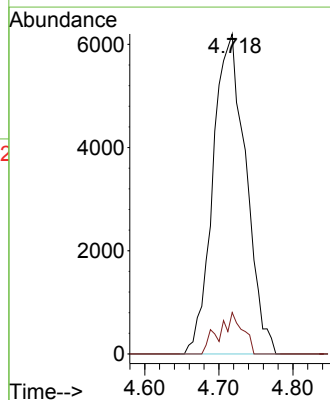
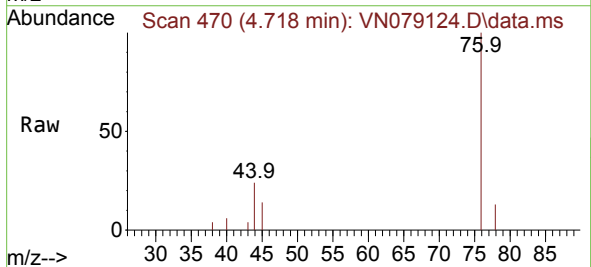
Acq: 01 Sep 2023 15:46

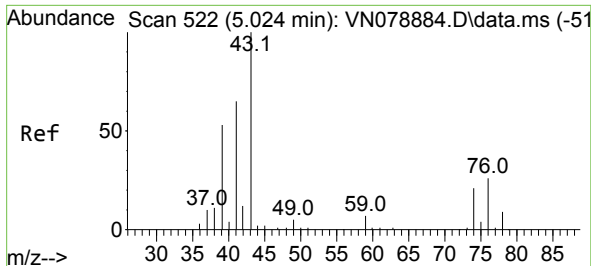
Tgt Ion: 76 Resp: 19114

Ion Ratio Lower Upper

76 100

78 13.0 7.4 11.0#

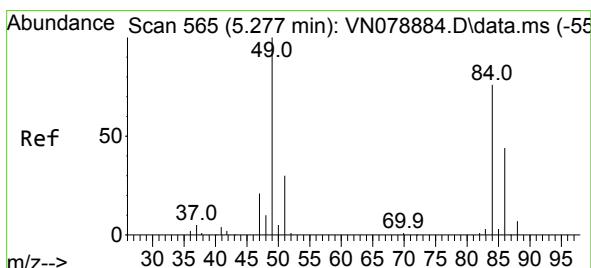
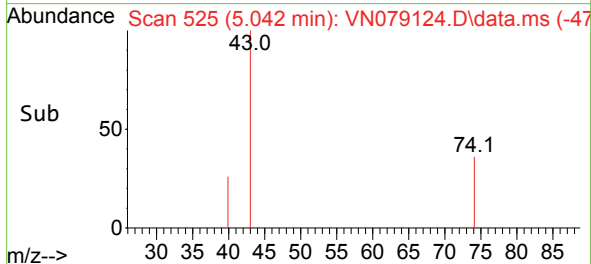
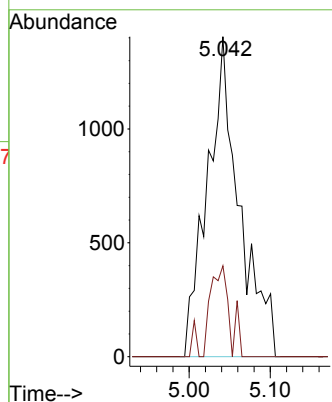
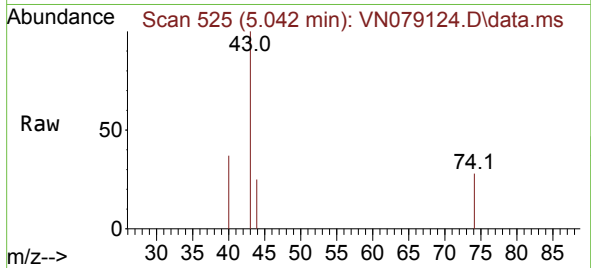




#18  
Methyl Acetate  
Concen: 0.553 ug/l  
RT: 5.042 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VN079124.D  
Acq: 01 Sep 2023 15:46

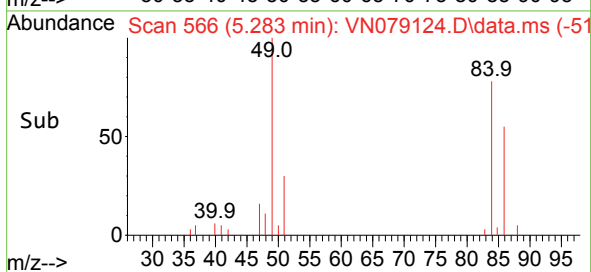
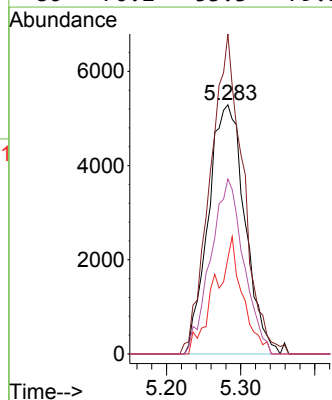
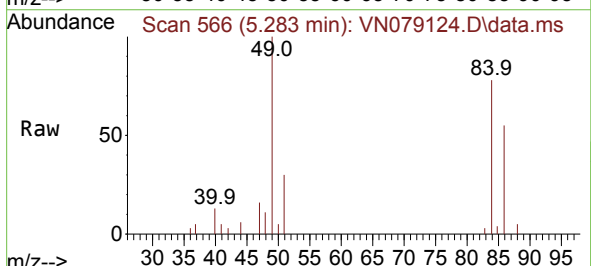
Instrument :  
MSVOA\_N  
ClientSampleId :

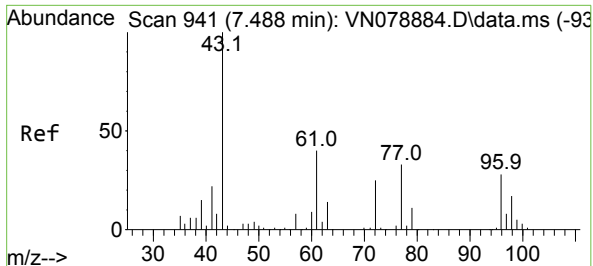
Tgt Ion: 43 Resp: 3870  
Ion Ratio Lower Upper  
43 100  
74 16.6 26.2 39.4#



#20  
Methylene Chloride  
Concen: 5.124 ug/l  
RT: 5.283 min Scan# 566  
Delta R.T. -0.000 min  
Lab File: VN079124.D  
Acq: 01 Sep 2023 15:46

Tgt Ion: 84 Resp: 18106  
Ion Ratio Lower Upper  
84 100  
49 128.4 79.7 119.5#  
51 38.4 25.2 37.8#  
86 70.2 53.3 79.9

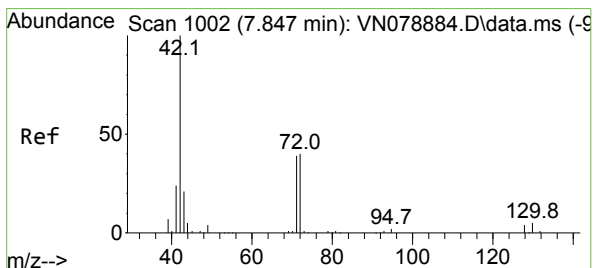
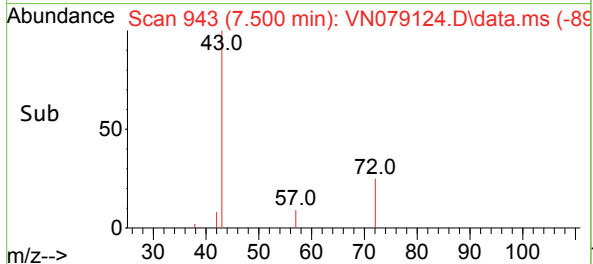
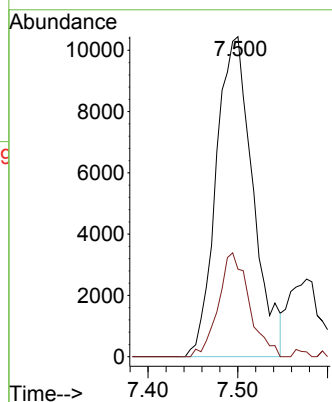
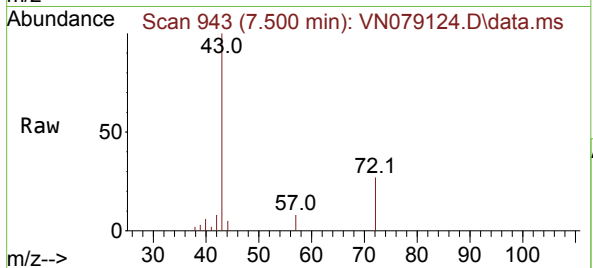




#25  
2-Butanone  
Concen: 11.166 ug/l  
RT: 7.500 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN079124.D  
Acq: 01 Sep 2023 15:46

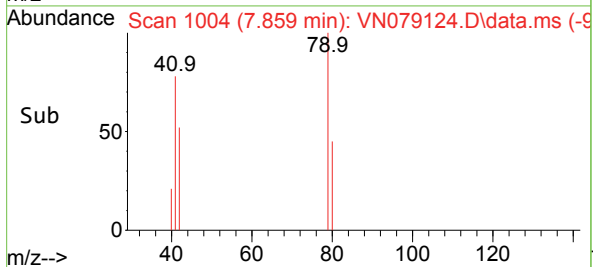
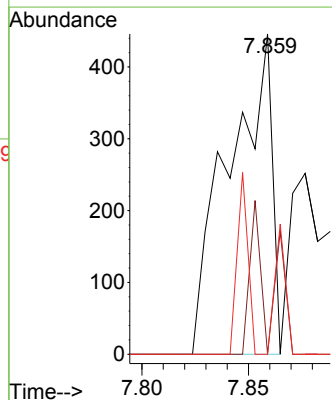
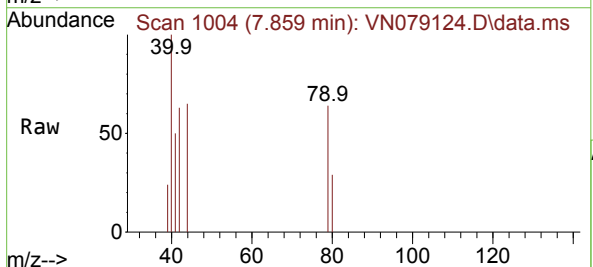
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 43 Resp: 29684  
Ion Ratio Lower Upper  
43 100  
72 27.4 30.2 45.2#

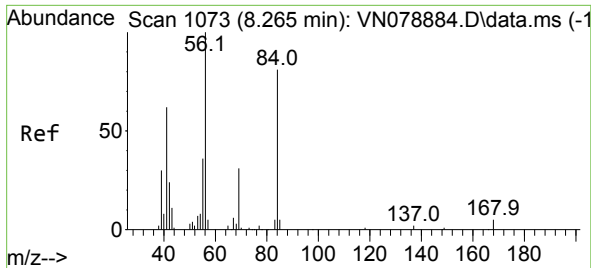


#29  
Tetrahydrofuran  
Concen: 0.354 ug/l  
RT: 7.859 min Scan# 1004  
Delta R.T. 0.012 min  
Lab File: VN079124.D  
Acq: 01 Sep 2023 15:46

Tgt Ion: 42 Resp: 623  
Ion Ratio Lower Upper  
42 100  
72 21.8 49.8 74.6#  
71 10.3 47.4 71.2#

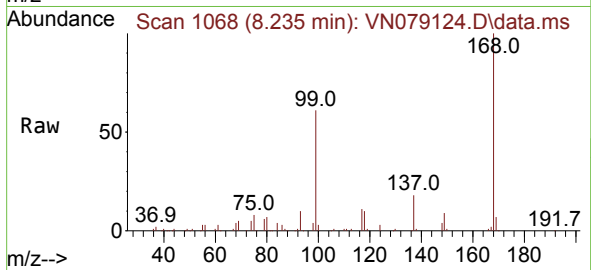




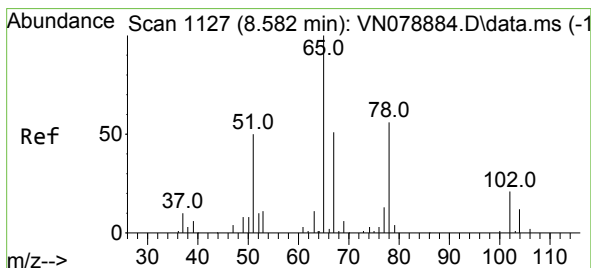
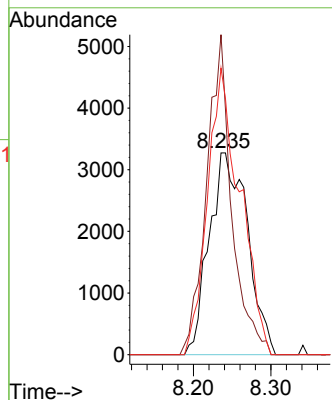
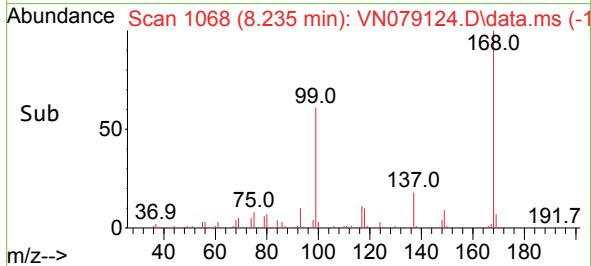


#31  
Cyclohexane  
Concen: Below Cal  
RT: 8.235 min Scan# 1073  
Delta R.T. -0.030 min  
Lab File: VN079124.D  
Acq: 01 Sep 2023 15:46

Instrument :  
MSVOA\_N  
ClientSampleId :

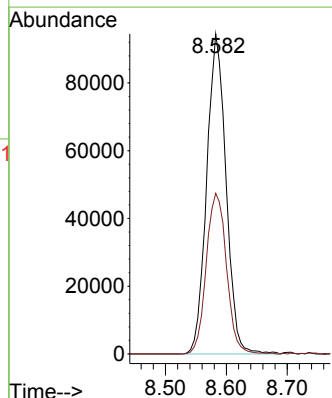
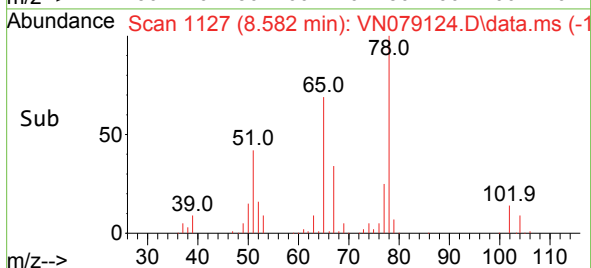
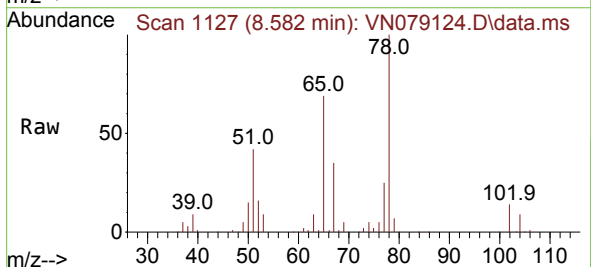


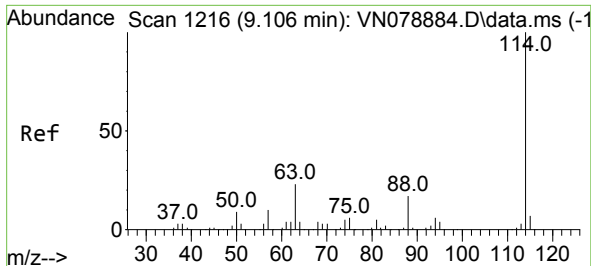
Tgt Ion: 56 Resp: 11225  
Ion Ratio Lower Upper  
56 100  
69 158.6 26.8 40.2#  
84 142.1 81.8 122.6#



#33  
1,2-Dichloroethane-d4  
Concen: 51.919 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. -0.001 min  
Lab File: VN079124.D  
Acq: 01 Sep 2023 15:46

Tgt Ion: 65 Resp: 208634  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN079124.D

Acq: 01 Sep 2023 15:46

Instrument :

MSVOA\_N

ClientSampleId :

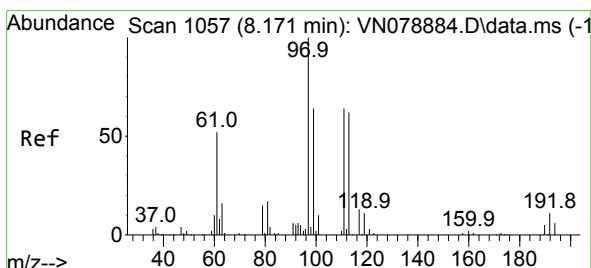
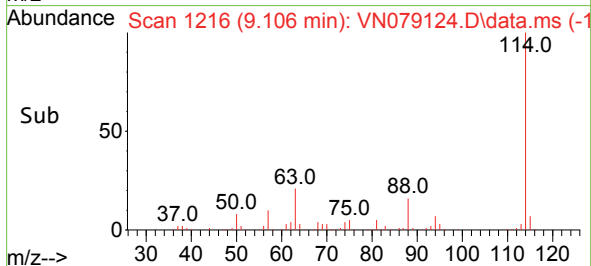
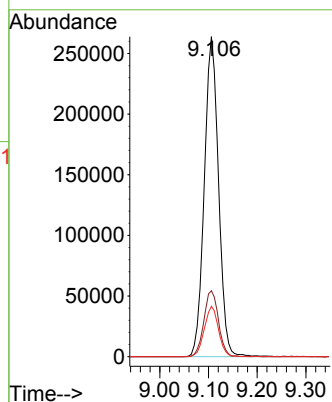
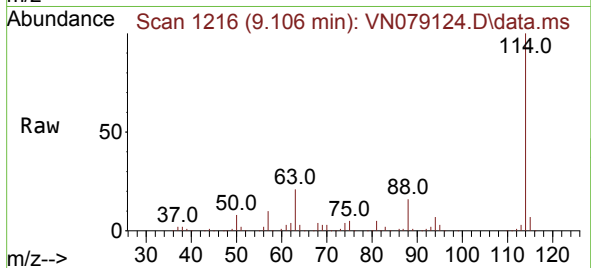
Tgt Ion:114 Resp: 535926

Ion Ratio Lower Upper

114 100

63 20.6 0.0 36.4

88 15.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.946 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079124.D

Acq: 01 Sep 2023 15:46

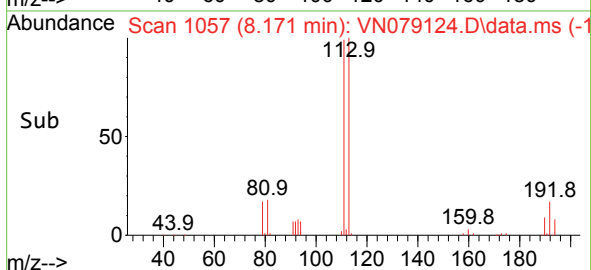
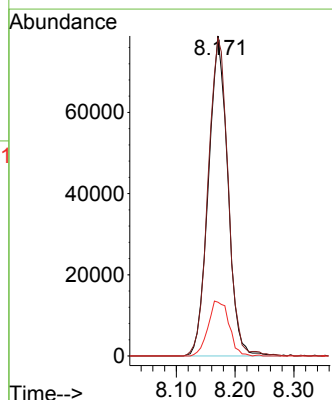
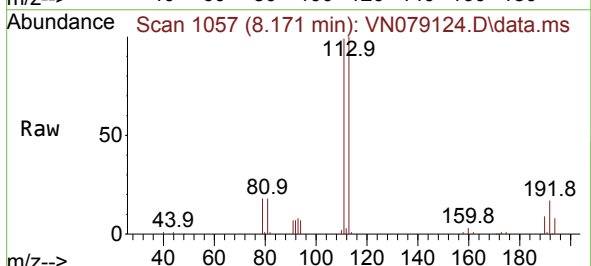
Tgt Ion:113 Resp: 180184

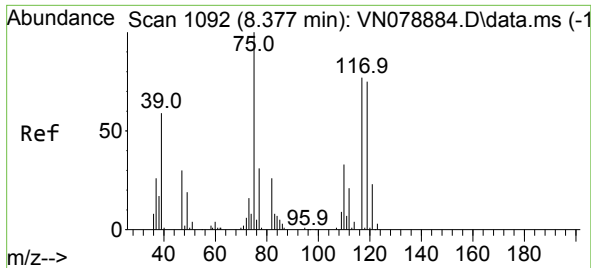
Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

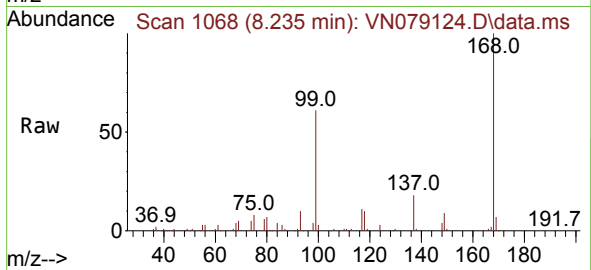
192 18.5 12.7 19.1



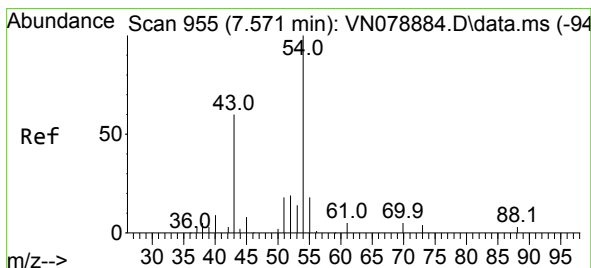
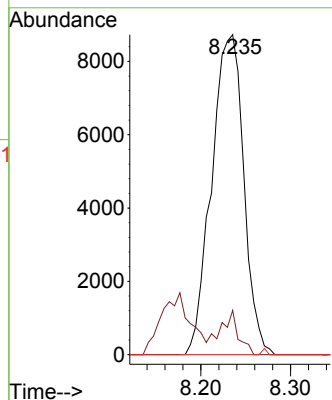
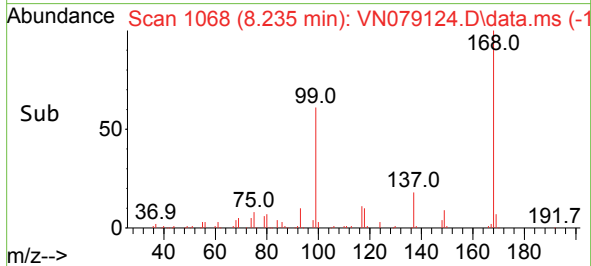


#36  
 1,1-Dichloropropene  
 Concen: 3.997 ug/l  
 RT: 8.235 min Scan# 1068  
 Delta R.T. -0.142 min  
 Lab File: VN079124.D  
 Acq: 01 Sep 2023 15:46

Instrument :  
 MSVOA\_N  
 ClientSampleId :

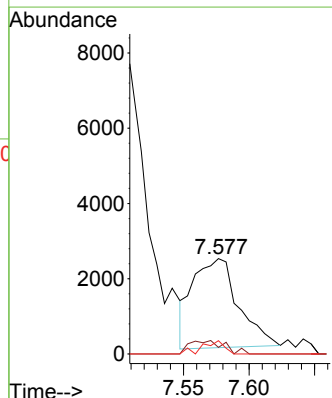
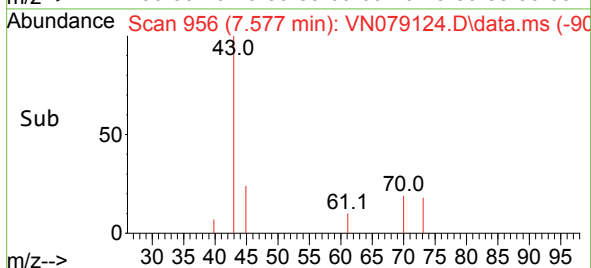
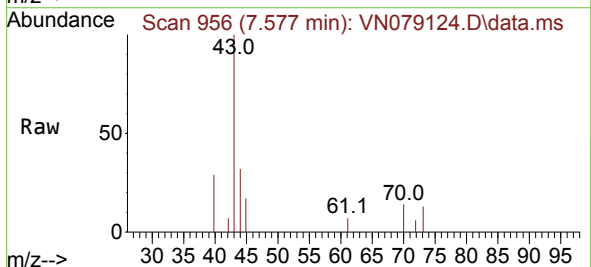


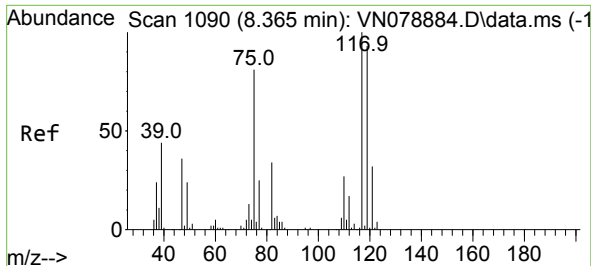
Tgt Ion: 75 Resp: 21690  
 Ion Ratio Lower Upper  
 75 100  
 110 7.9 19.1 57.3#  
 77 0.0 25.0 37.4#



#37  
 Ethyl Acetate  
 Concen: 0.944 ug/l  
 RT: 7.577 min Scan# 956  
 Delta R.T. 0.006 min  
 Lab File: VN079124.D  
 Acq: 01 Sep 2023 15:46

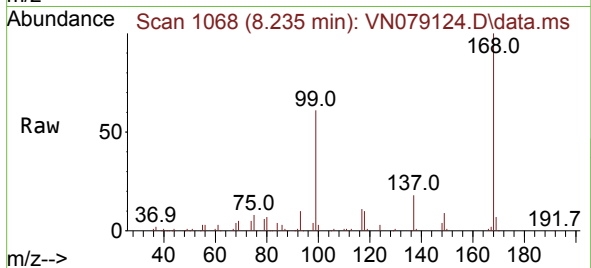
Tgt Ion: 43 Resp: 5732  
 Ion Ratio Lower Upper  
 43 100  
 61 11.7 13.2 19.8#  
 70 7.1 11.3 16.9#



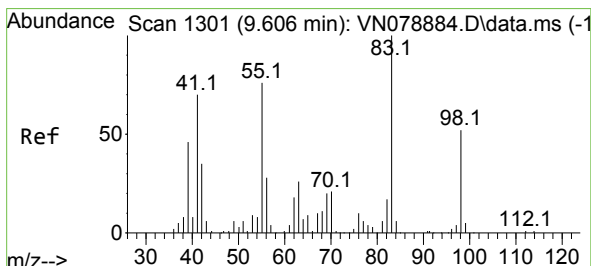
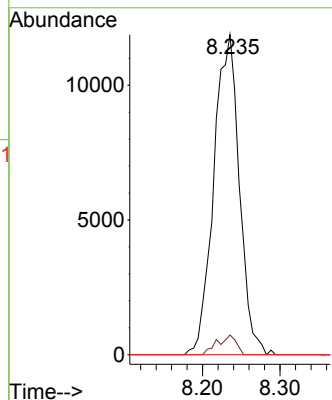
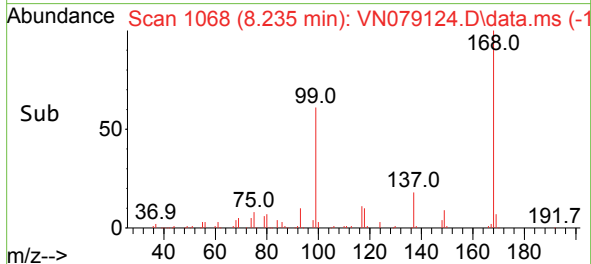


#38  
Carbon Tetrachloride  
Concen: 5.020 ug/l  
RT: 8.235 min Scan# 1068  
Delta R.T. -0.136 min  
Lab File: VN079124.D  
Acq: 01 Sep 2023 15:46

Instrument :  
MSVOA\_N  
ClientSampleId :

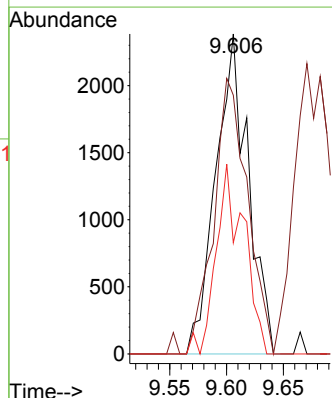
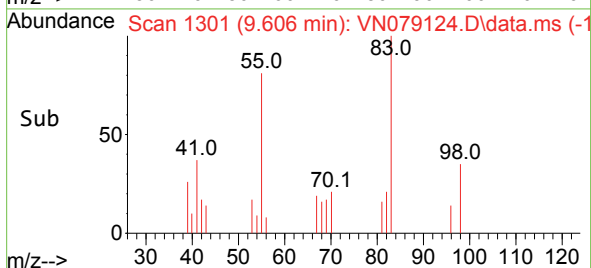
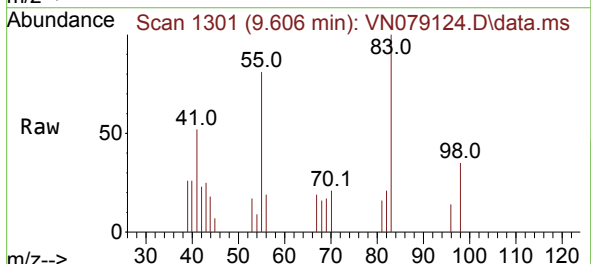


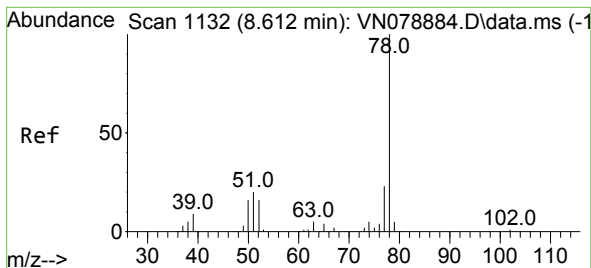
Tgt Ion:117 Resp: 27297  
Ion Ratio Lower Upper  
117 100  
119 6.1 77.3 115.9#  
121 0.0 23.3 34.9#



#39  
Methylcyclohexane  
Concen: 0.950 ug/l  
RT: 9.606 min Scan# 1301  
Delta R.T. -0.000 min  
Lab File: VN079124.D  
Acq: 01 Sep 2023 15:46

Tgt Ion: 83 Resp: 4740  
Ion Ratio Lower Upper  
83 100  
55 80.8 49.1 73.7#  
98 34.7 40.6 61.0#





#40

Benzene

Concen: 117.296 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VN079124.D

Acq: 01 Sep 2023 15:46

Instrument :

MSVOA\_N

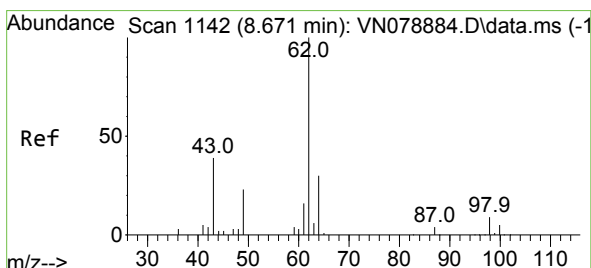
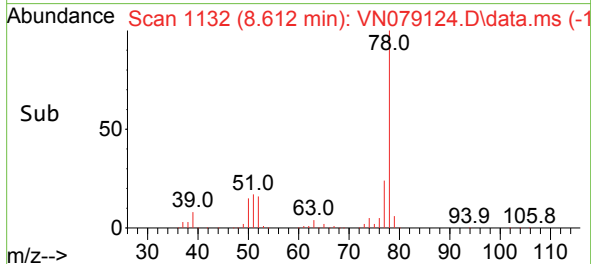
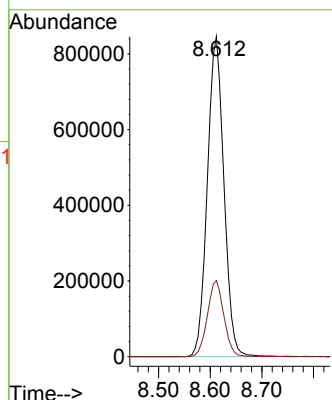
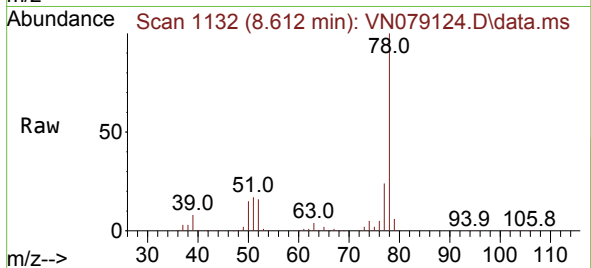
ClientSampleId :

Tgt Ion: 78 Resp: 1881444

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6



#42

1,2-Dichloroethane

Concen: 2.761 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.071 min

Lab File: VN079124.D

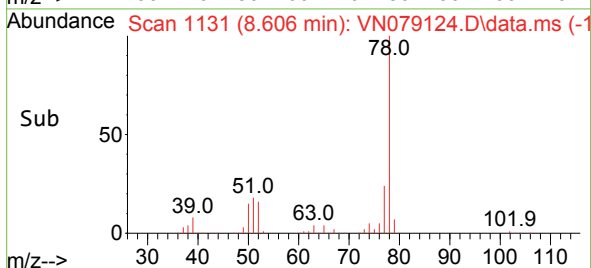
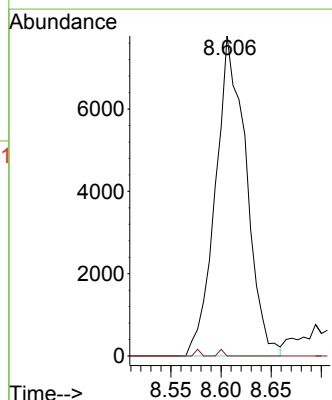
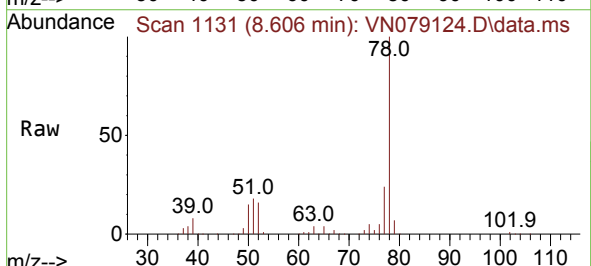
Acq: 01 Sep 2023 15:46

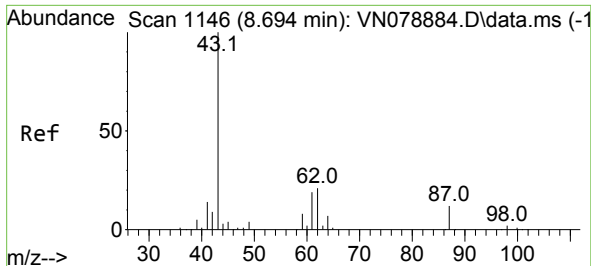
Tgt Ion: 62 Resp: 16546

Ion Ratio Lower Upper

62 100

98 0.3 0.0 19.8

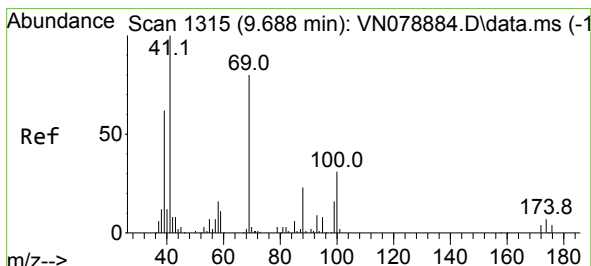
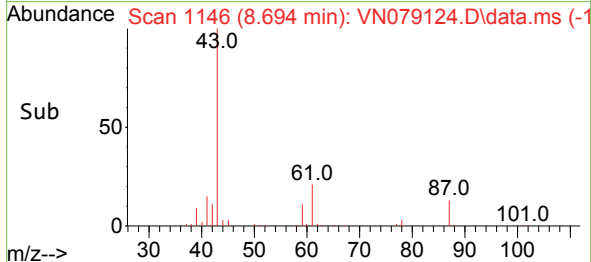
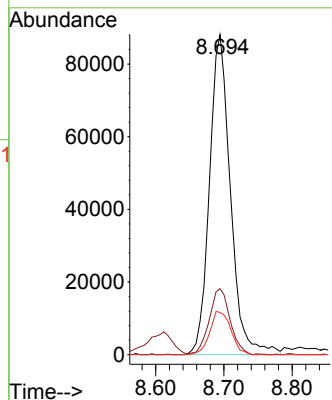
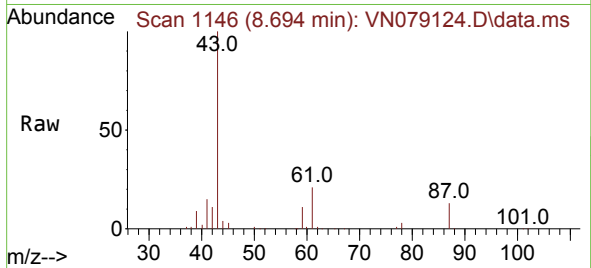




#43  
Isopropyl Acetate  
Concen: 17.591 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VN079124.D  
Acq: 01 Sep 2023 15:46

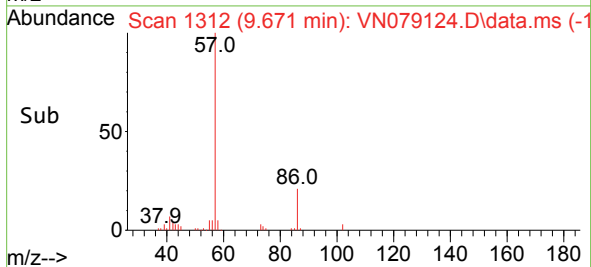
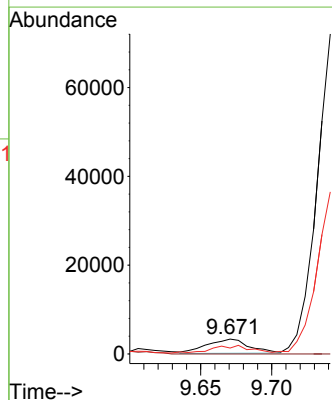
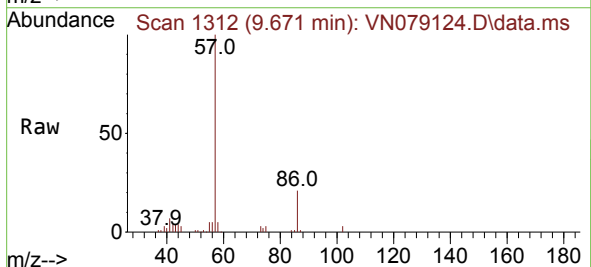
Instrument :  
MSVOA\_N  
ClientSampleId :

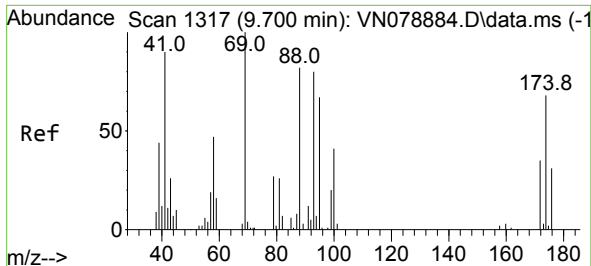
Tgt Ion: 43 Resp: 188783  
Ion Ratio Lower Upper  
43 100  
61 20.5 24.7 37.1#  
87 13.6 14.6 21.8#



#48  
Methyl methacrylate  
Concen: 1.369 ug/l  
RT: 9.671 min Scan# 1312  
Delta R.T. -0.017 min  
Lab File: VN079124.D  
Acq: 01 Sep 2023 15:46

Tgt Ion: 41 Resp: 6657  
Ion Ratio Lower Upper  
41 100  
69 0.0 90.4 135.6#  
39 54.8 54.6 81.8





#49

1,4-Dioxane

Concen: 0.652 ug/l

RT: 9.694 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN079124.D

Acq: 01 Sep 2023 15:46

Instrument :

MSVOA\_N

ClientSampleId :

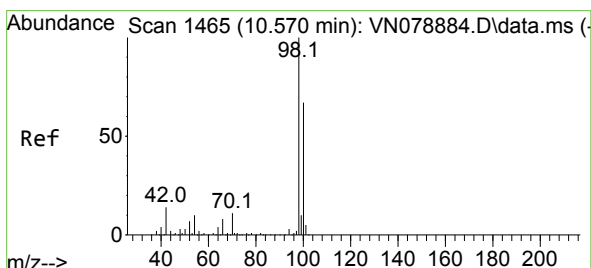
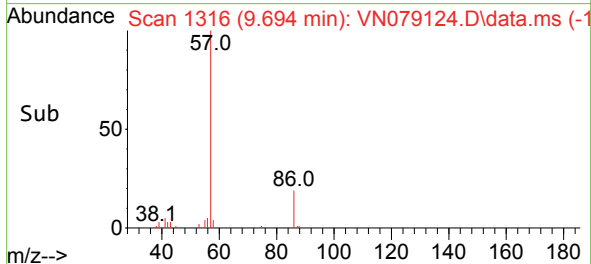
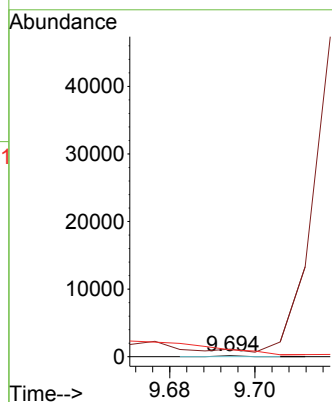
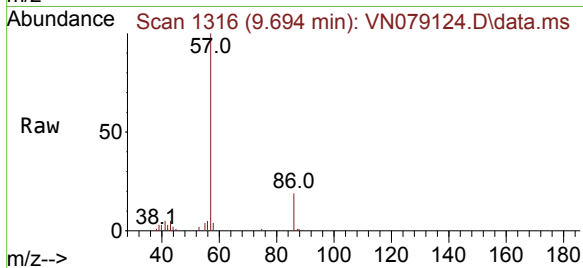
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 0.0 47.0 70.4#



#50

Toluene-d8

Concen: 48.677 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079124.D

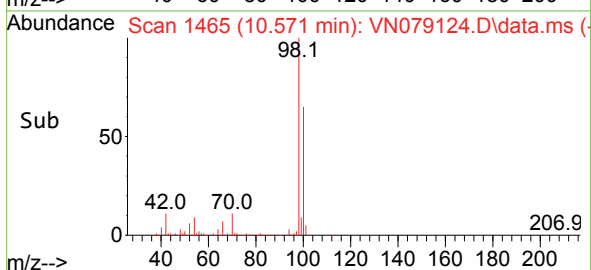
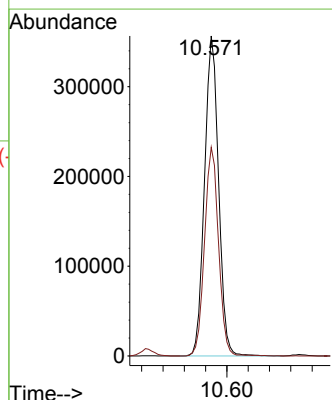
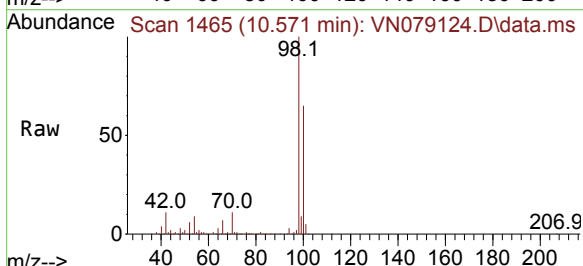
Acq: 01 Sep 2023 15:46

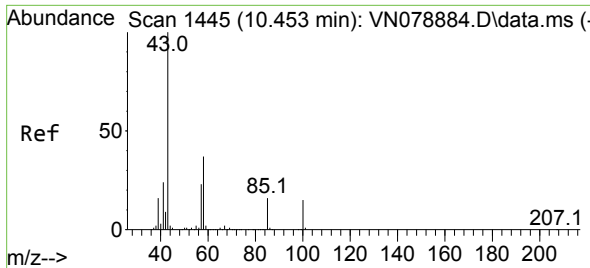
Tgt Ion: 98 Resp: 652040

Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0

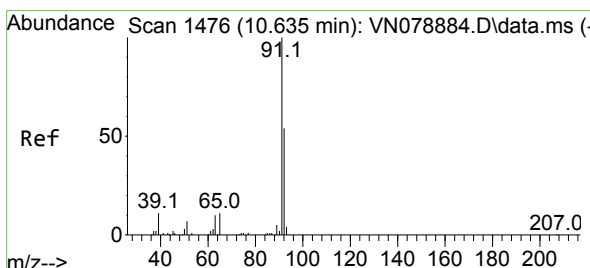
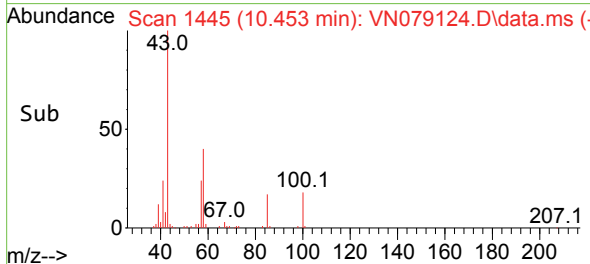
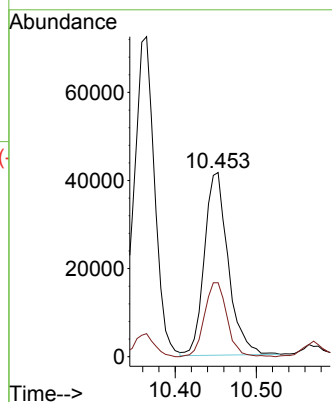
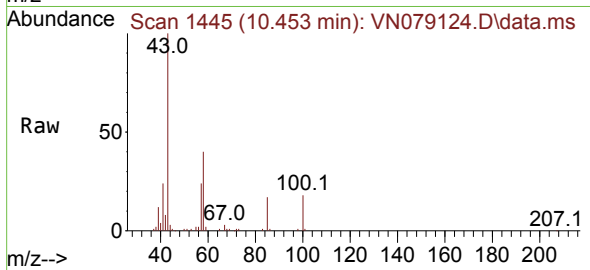




#51  
4-Methyl-2-Pentanone  
Concen: 13.277 ug/l  
RT: 10.453 min Scan# 1445  
Delta R.T. -0.000 min  
Lab File: VN079124.D  
Acq: 01 Sep 2023 15:46

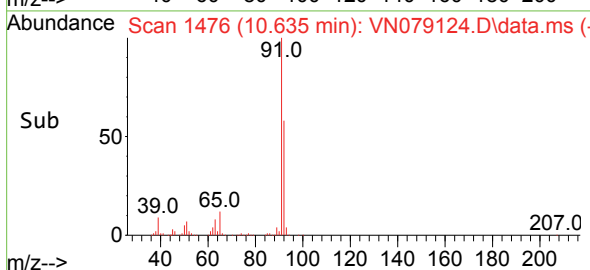
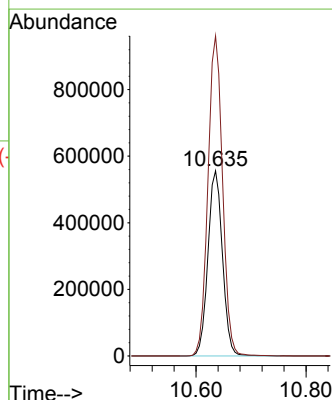
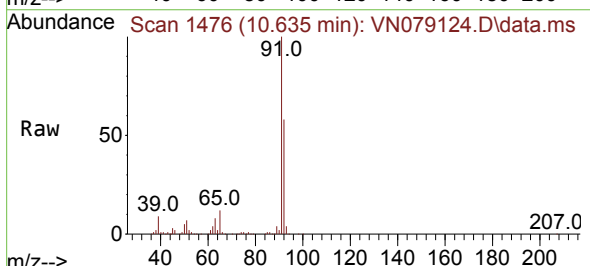
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 43 Resp: 84507  
Ion Ratio Lower Upper  
43 100  
58 38.5 36.6 54.8

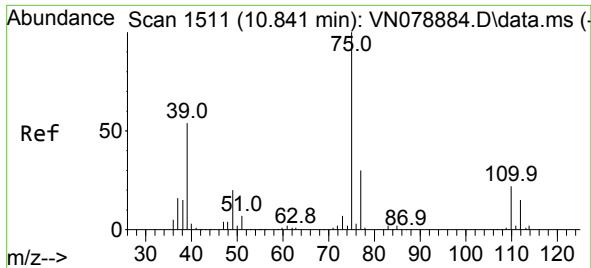


#52  
Toluene  
Concen: 103.363 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VN079124.D  
Acq: 01 Sep 2023 15:46

Tgt Ion: 92 Resp: 1017924  
Ion Ratio Lower Upper  
92 100  
91 173.7 137.4 206.0



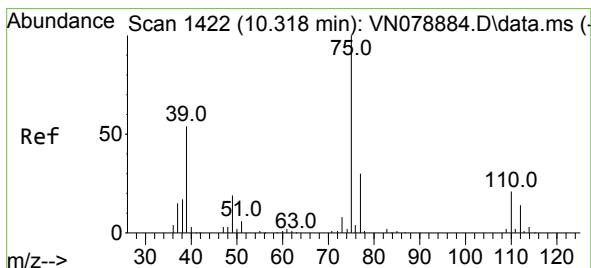
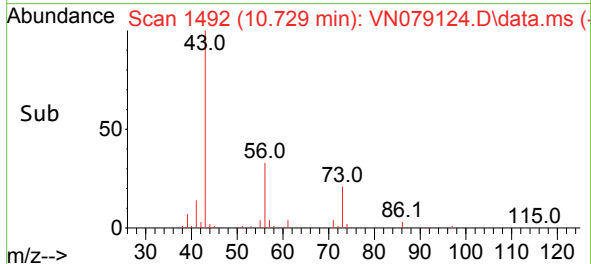
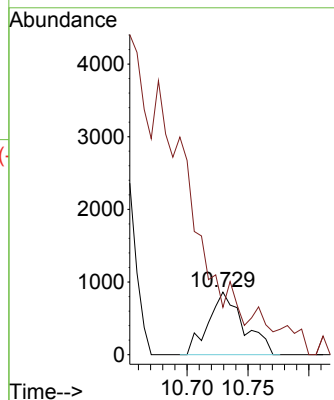
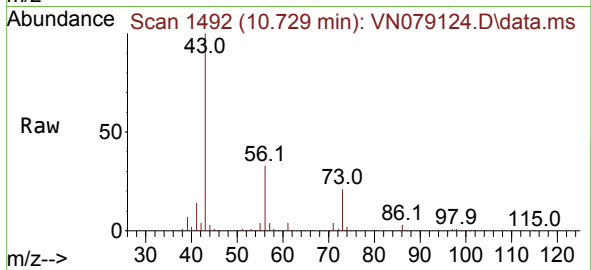




#53  
 t-1,3-Dichloropropene  
 Concen: 0.280 ug/l  
 RT: 10.729 min Scan# 1492  
 Delta R.T. -0.112 min  
 Lab File: VN079124.D  
 Acq: 01 Sep 2023 15:46

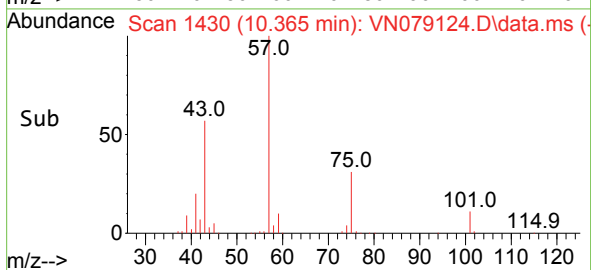
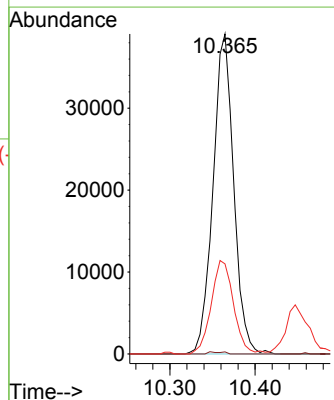
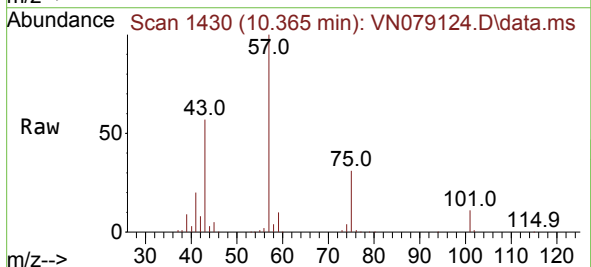
Instrument :  
 MSVOA\_N  
 ClientSampleId :

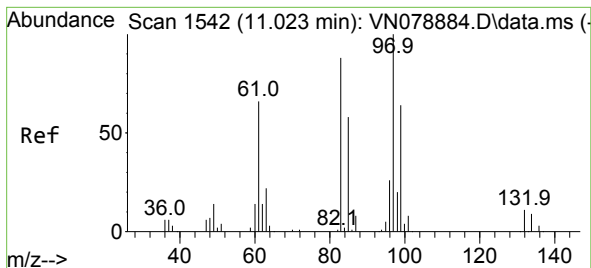
Tgt Ion: 75 Resp: 1734  
 Ion Ratio Lower Upper  
 75 100  
 77 35.0 25.4 38.0



#54  
 cis-1,3-Dichloropropene  
 Concen: 9.735 ug/l  
 RT: 10.365 min Scan# 1430  
 Delta R.T. 0.047 min  
 Lab File: VN079124.D  
 Acq: 01 Sep 2023 15:46

Tgt Ion: 75 Resp: 65767  
 Ion Ratio Lower Upper  
 75 100  
 77 0.7 26.1 39.1#  
 39 28.2 31.6 47.4#





#55

1,1,2-Trichloroethane

Concen: 1.725 ug/l

RT: 10.888 min Scan# 1

Delta R.T. -0.136 min

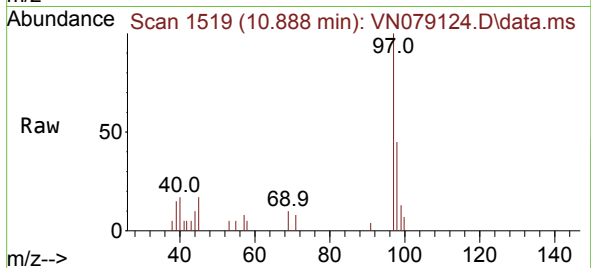
Lab File: VN079124.D

Acq: 01 Sep 2023 15:46

Instrument :

MSVOA\_N

ClientSampleId :



Tgt Ion: 97 Resp: 6812

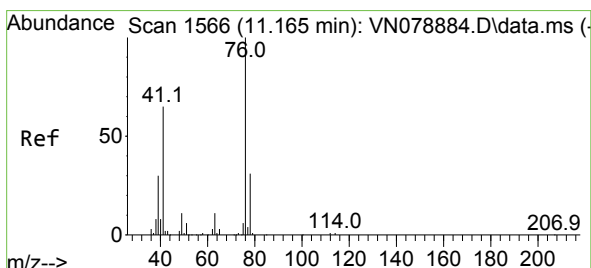
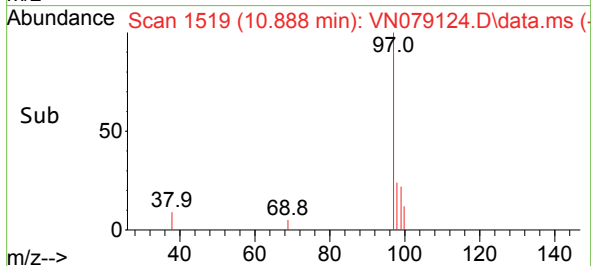
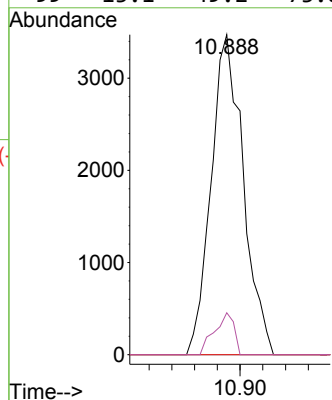
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
|-----|-------|-------|-------|

|    |     |  |  |
|----|-----|--|--|
| 97 | 100 |  |  |
|----|-----|--|--|

|    |     |      |       |
|----|-----|------|-------|
| 83 | 0.0 | 65.1 | 97.7# |
|----|-----|------|-------|

|    |     |      |       |
|----|-----|------|-------|
| 85 | 0.0 | 43.4 | 65.2# |
|----|-----|------|-------|

|    |      |      |       |
|----|------|------|-------|
| 99 | 13.1 | 49.2 | 73.8# |
|----|------|------|-------|



#57

1,3-Dichloropropane

Concen: 0.973 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN079124.D

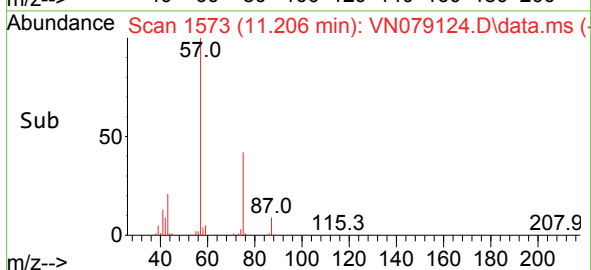
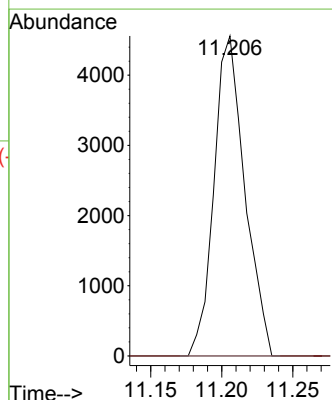
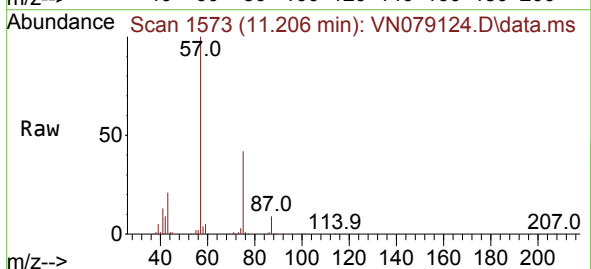
Acq: 01 Sep 2023 15:46

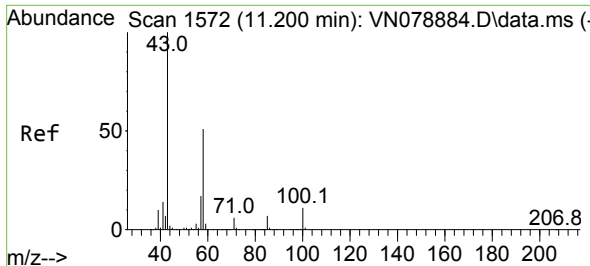
Tgt Ion: 76 Resp: 6869

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
|-----|-------|-------|-------|

|    |     |  |  |
|----|-----|--|--|
| 76 | 100 |  |  |
|----|-----|--|--|

|    |     |      |       |
|----|-----|------|-------|
| 78 | 0.0 | 26.1 | 39.1# |
|----|-----|------|-------|

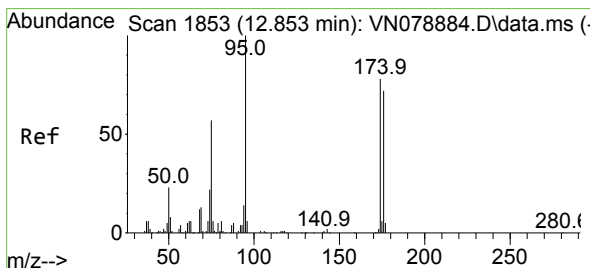
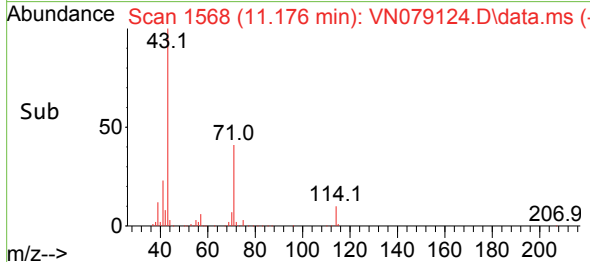
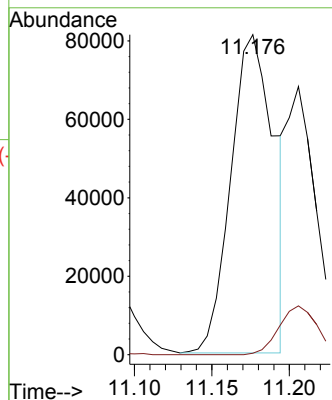
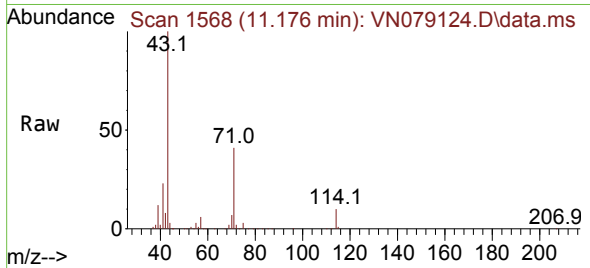




#59  
2-Hexanone  
Concen: 34.077 ug/l  
RT: 11.176 min Scan# 11  
Delta R.T. -0.024 min  
Lab File: VN079124.D  
Acq: 01 Sep 2023 15:46

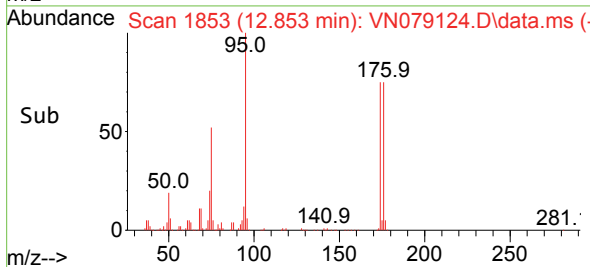
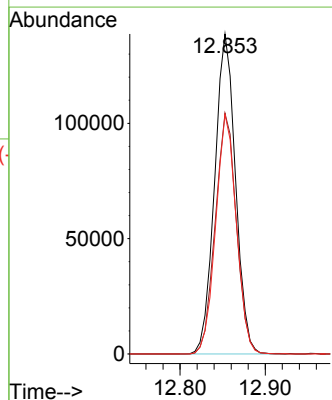
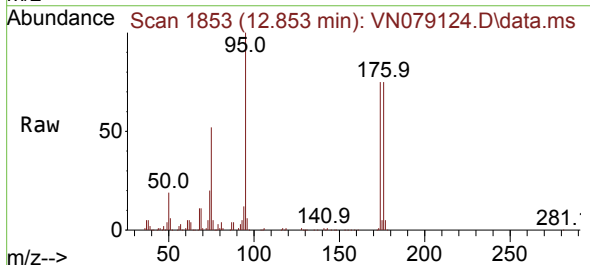
Instrument :  
MSVOA\_N  
ClientSampleId :

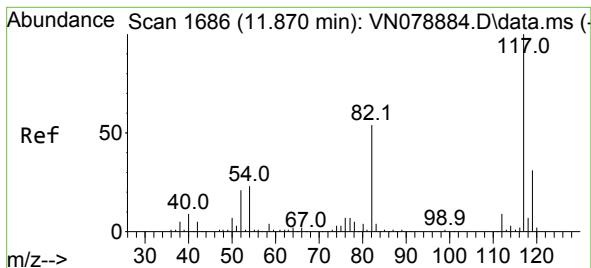
Tgt Ion: 43 Resp: 157101  
Ion Ratio Lower Upper  
43 100  
58 0.0 31.7 95.1#



#62  
4-Bromofluorobenzene  
Concen: 53.893 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN079124.D  
Acq: 01 Sep 2023 15:46

Tgt Ion: 95 Resp: 235964  
Ion Ratio Lower Upper  
95 100  
174 76.0 0.0 143.8  
176 73.9 0.0 135.8

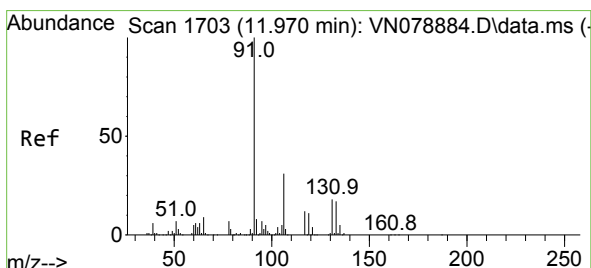
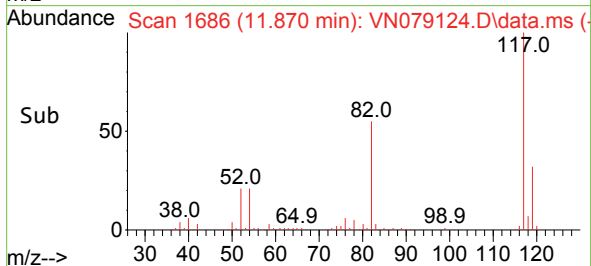
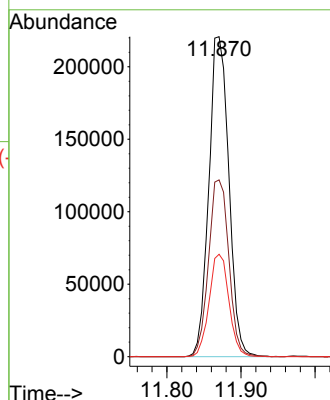
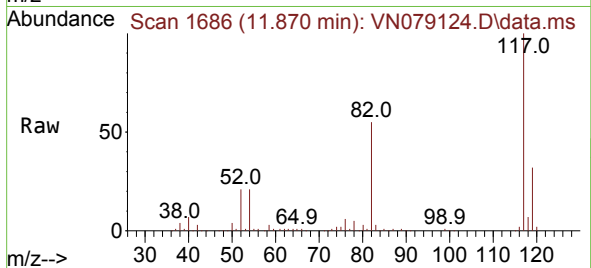




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 117  
Delta R.T. -0.001 min  
Lab File: VN079124.D  
Acq: 01 Sep 2023 15:46

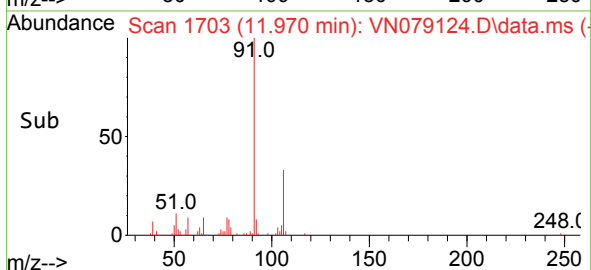
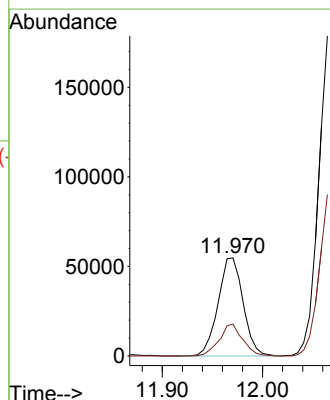
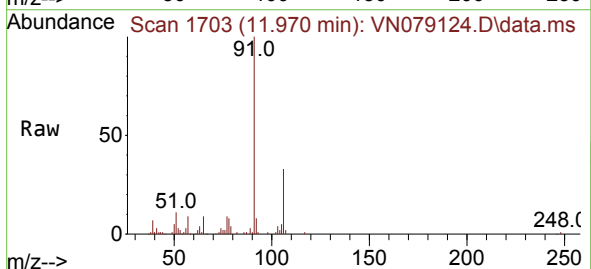
Instrument :  
MSVOA\_N  
ClientSampleId :

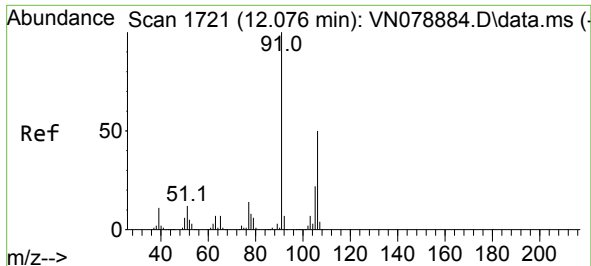
Tgt Ion:117 Resp: 413906  
Ion Ratio Lower Upper  
117 100  
82 55.3 44.0 66.0  
119 32.0 25.6 38.4



#67  
Ethyl Benzene  
Concen: 5.919 ug/l  
RT: 11.970 min Scan# 1703  
Delta R.T. -0.001 min  
Lab File: VN079124.D  
Acq: 01 Sep 2023 15:46

Tgt Ion: 91 Resp: 94835  
Ion Ratio Lower Upper  
91 100  
106 32.5 25.6 38.4

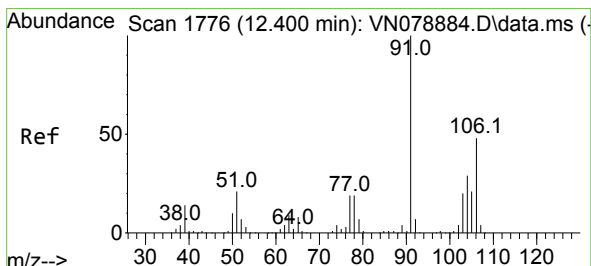
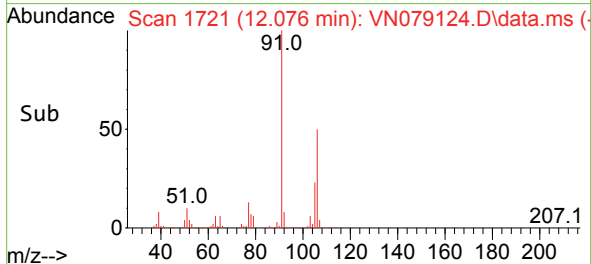
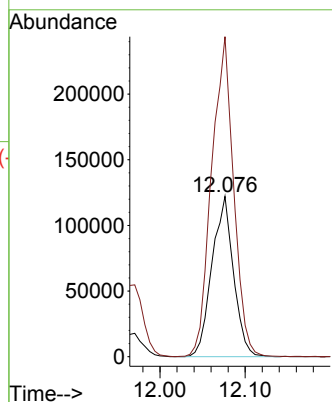
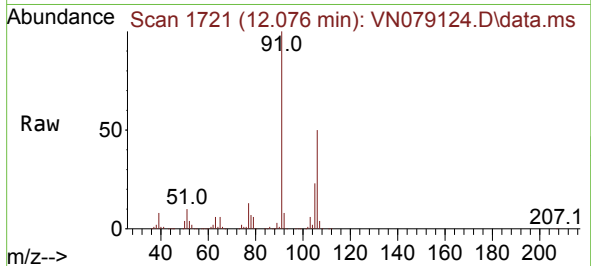




#68  
m/p-Xylenes  
Concen: 35.787 ug/l  
RT: 12.076 min Scan# 1721  
Delta R.T. 0.000 min  
Lab File: VN079124.D  
Acq: 01 Sep 2023 15:46

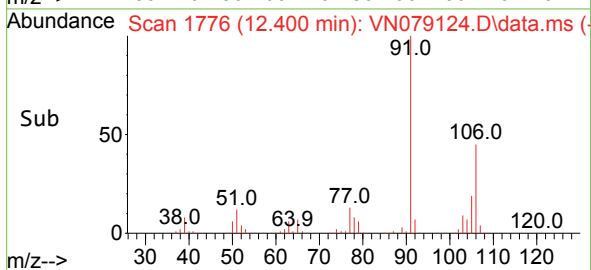
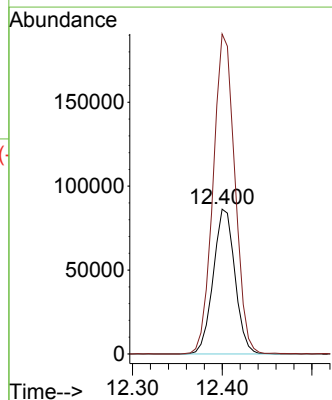
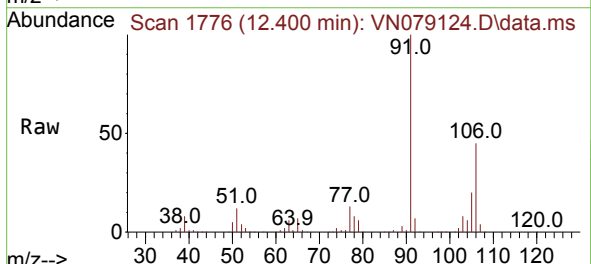
Instrument :  
MSVOA\_N  
ClientSampleId :

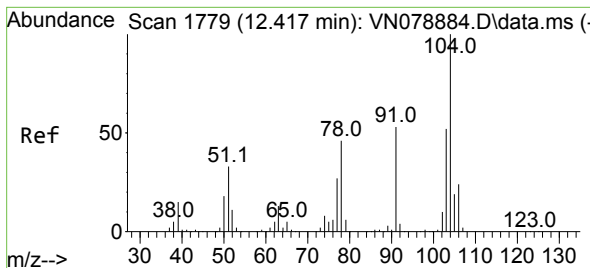
Tgt Ion:106 Resp: 214380  
Ion Ratio Lower Upper  
106 100  
91 204.5 159.6 239.4



#69  
o-Xylene  
Concen: 24.864 ug/l  
RT: 12.400 min Scan# 1776  
Delta R.T. -0.000 min  
Lab File: VN079124.D  
Acq: 01 Sep 2023 15:46

Tgt Ion:106 Resp: 144891  
Ion Ratio Lower Upper  
106 100  
91 221.8 105.2 315.5





#70

Styrene

Concen: 3.692 ug/l

RT: 12.412 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN079124.D

Acq: 01 Sep 2023 15:46

Instrument :

MSVOA\_N

ClientSampleId :

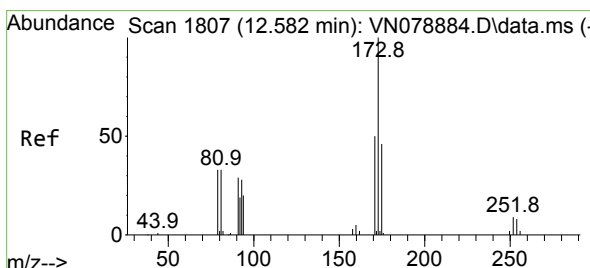
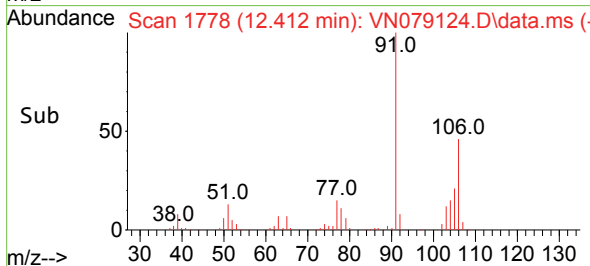
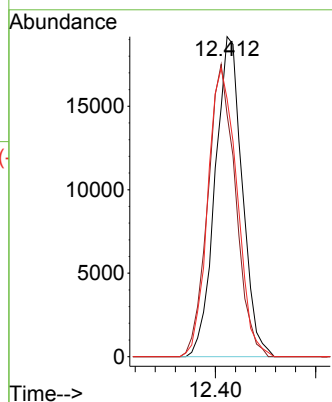
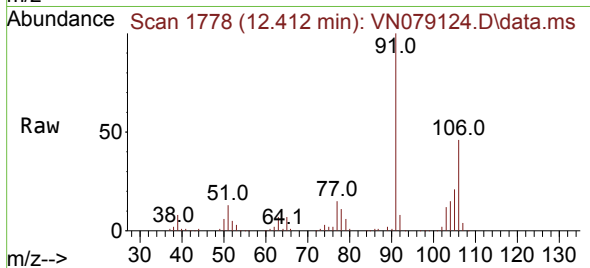
Tgt Ion:104 Resp: 35870

Ion Ratio Lower Upper

104 100

78 93.6 39.5 59.3#

103 97.0 43.2 64.8#



#71

Bromoform

Concen: 0.483 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.265 min

Lab File: VN079124.D

Acq: 01 Sep 2023 15:46

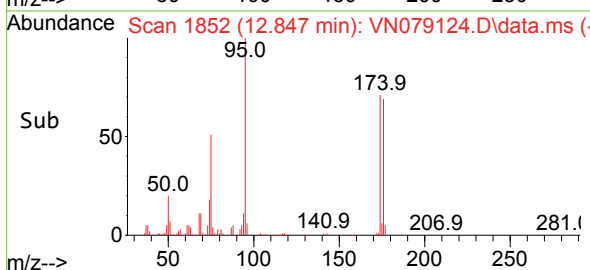
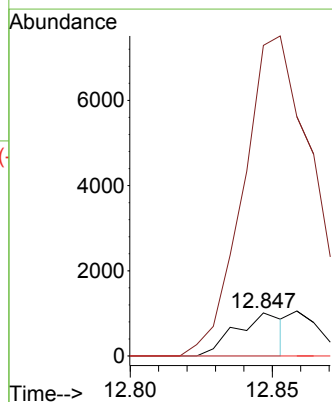
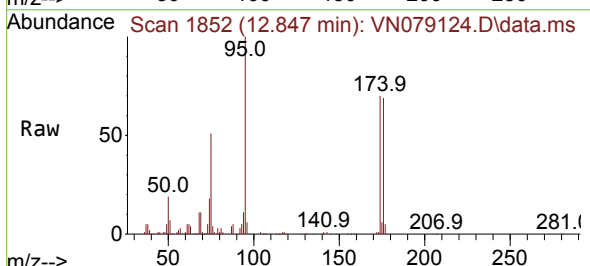
Tgt Ion:173 Resp: 1168

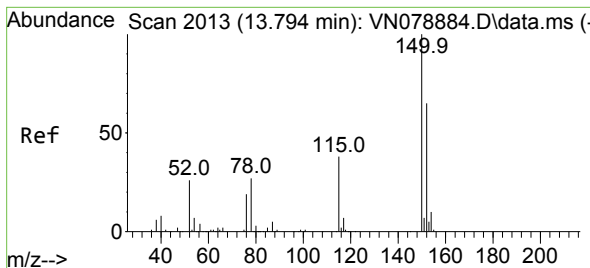
Ion Ratio Lower Upper

173 100

175 848.7 24.3 73.0#

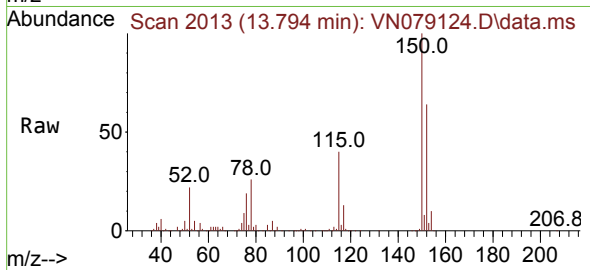
254 0.0 0.0 0.0



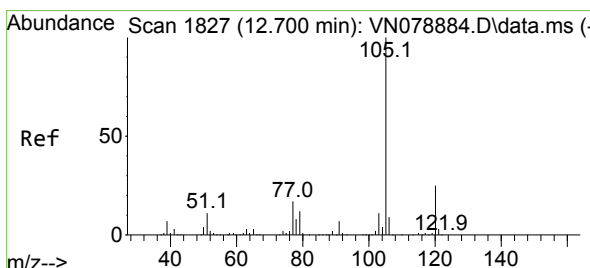
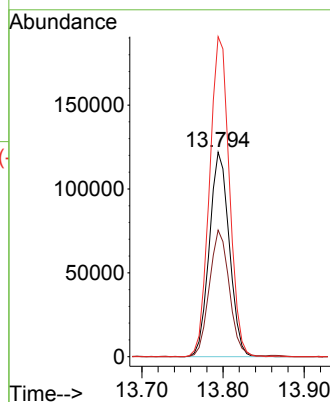
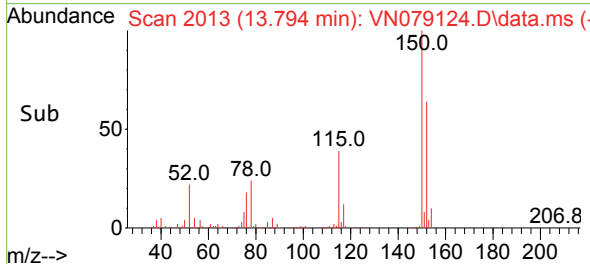


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 2013  
 Delta R.T. -0.000 min  
 Lab File: VN079124.D  
 Acq: 01 Sep 2023 15:46

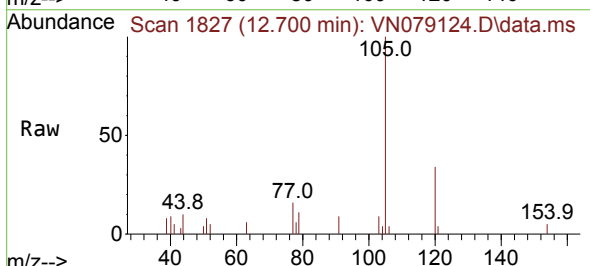
Instrument :  
 MSVOA\_N  
 ClientSampleId :



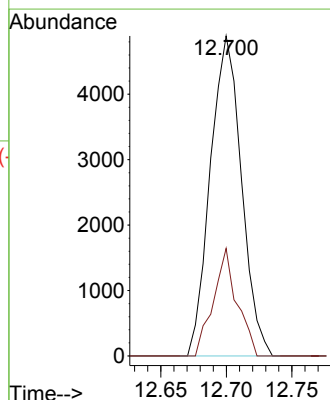
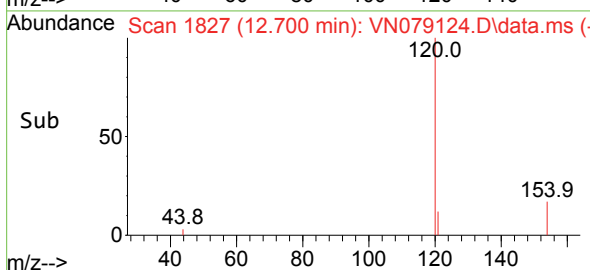
Tgt Ion:152 Resp: 207344  
 Ion Ratio Lower Upper  
 152 100  
 115 62.3 32.3 96.8  
 150 155.7 0.0 355.8

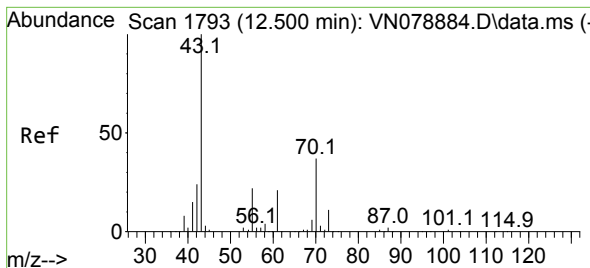


#73  
 Isopropylbenzene  
 Concen: 0.467 ug/l  
 RT: 12.700 min Scan# 1827  
 Delta R.T. -0.000 min  
 Lab File: VN079124.D  
 Acq: 01 Sep 2023 15:46



Tgt Ion:105 Resp: 8070  
 Ion Ratio Lower Upper  
 105 100  
 120 25.5 13.1 39.1





#74

N-amy1 acetate

Concen: 0.822 ug/l

RT: 12.465 min Scan# 1

Delta R.T. -0.035 min

Lab File: VN079124.D

Acq: 01 Sep 2023 15:46

Instrument :

MSVOA\_N

ClientSampleId :

Tgt Ion: 43 Resp: 7169

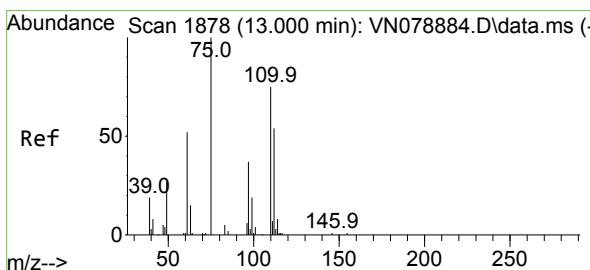
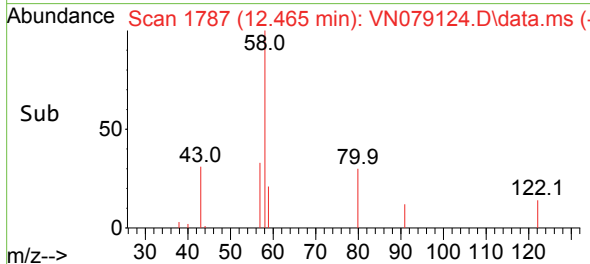
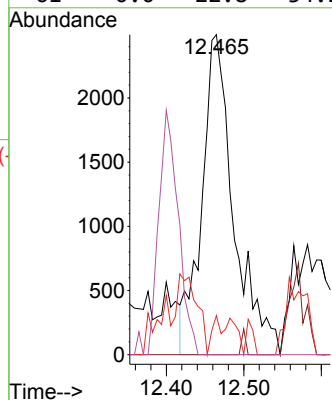
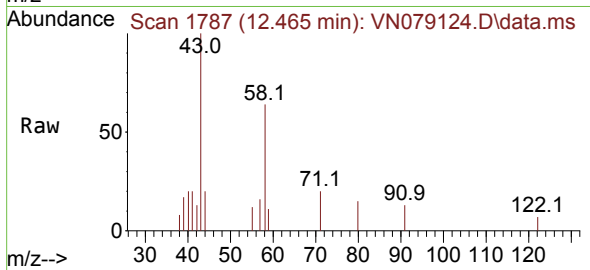
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 3.3 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 24.283 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079124.D

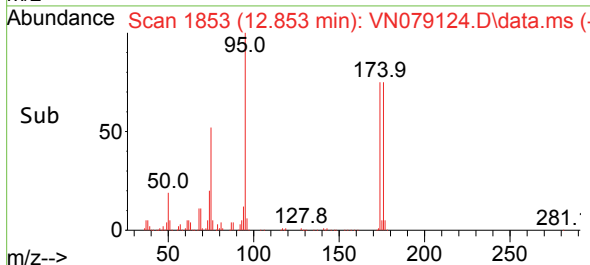
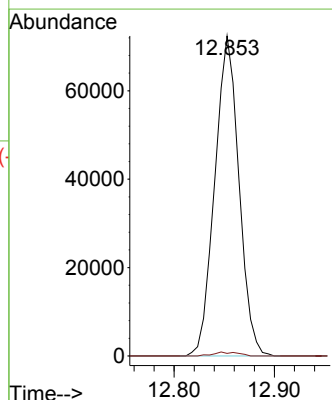
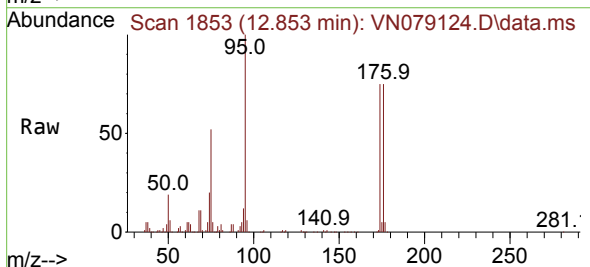
Acq: 01 Sep 2023 15:46

Tgt Ion: 75 Resp: 121316

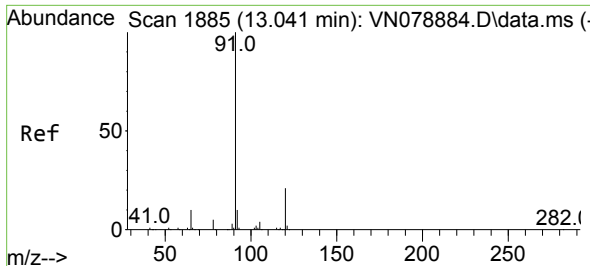
Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#



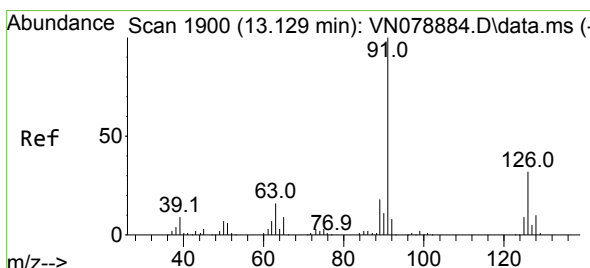
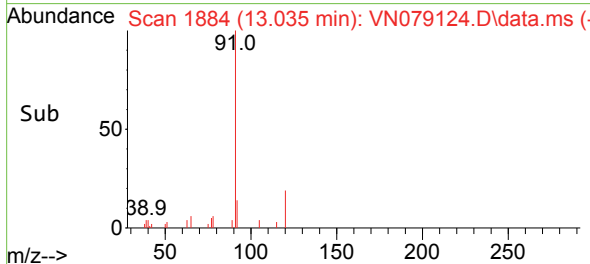
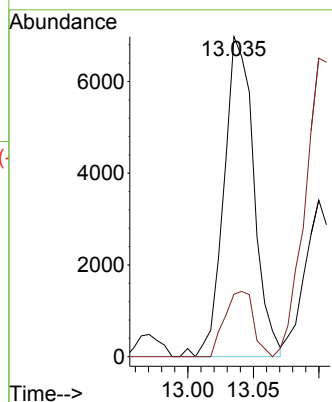
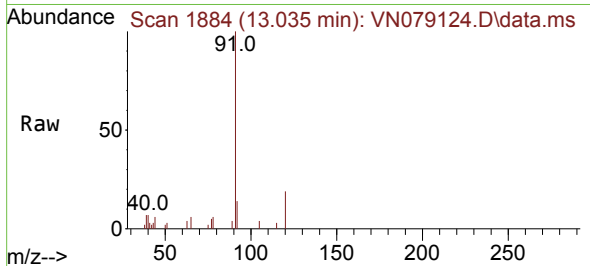




#78  
n-propylbenzene  
Concen: 0.552 ug/l  
RT: 13.035 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN079124.D  
Acq: 01 Sep 2023 15:46

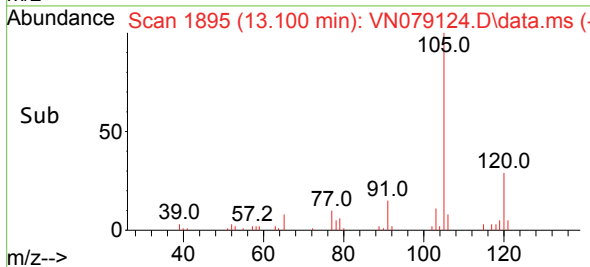
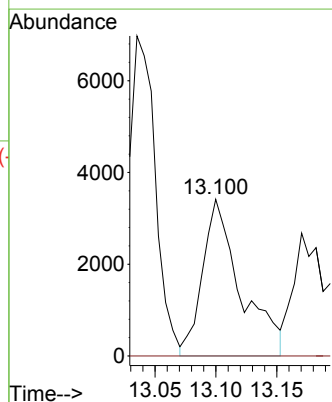
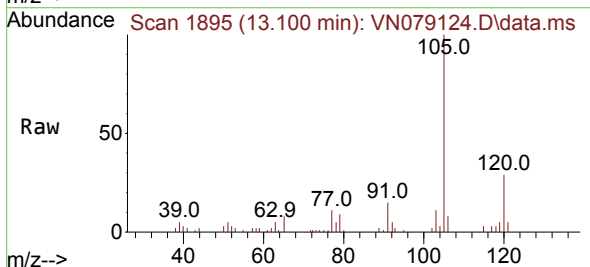
Instrument :  
MSVOA\_N  
ClientSampleId :

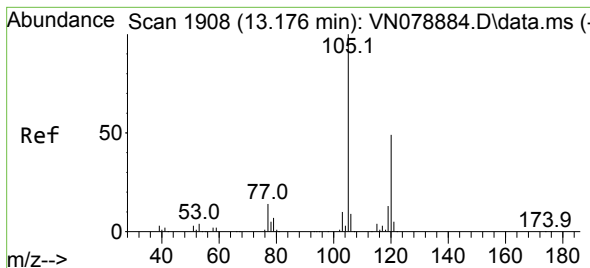
Tgt Ion: 91 Resp: 11065  
Ion Ratio Lower Upper  
91 100  
120 19.5 11.5 34.4



#79  
2-Chlorotoluene  
Concen: 0.597 ug/l  
RT: 13.100 min Scan# 1895  
Delta R.T. -0.029 min  
Lab File: VN079124.D  
Acq: 01 Sep 2023 15:46

Tgt Ion: 91 Resp: 7420  
Ion Ratio Lower Upper  
91 100  
126 0.0 16.3 48.8#





#80

1,3,5-Trimethylbenzene

Concen: 2.822 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN079124.D

Acq: 01 Sep 2023 15:46

Instrument :

MSVOA\_N

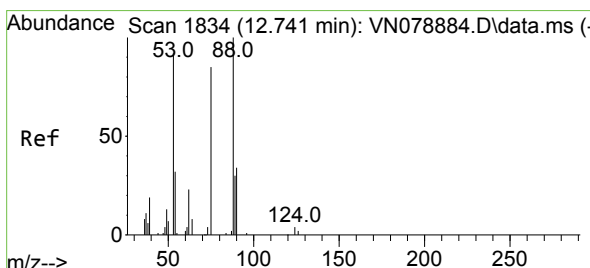
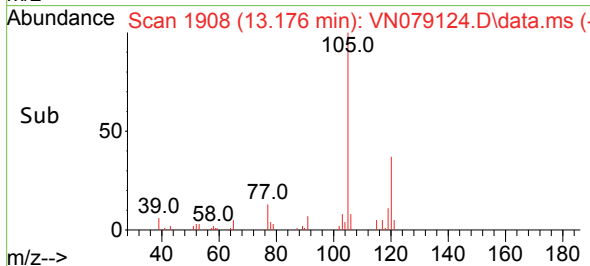
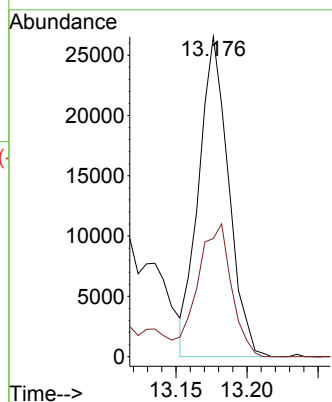
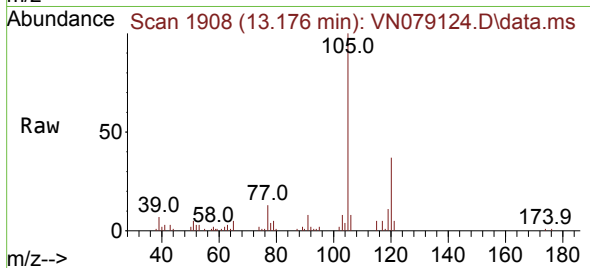
ClientSampleId :

Tgt Ion:105 Resp: 38662

Ion Ratio Lower Upper

105 100

120 47.3 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 62.032 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079124.D

Acq: 01 Sep 2023 15:46

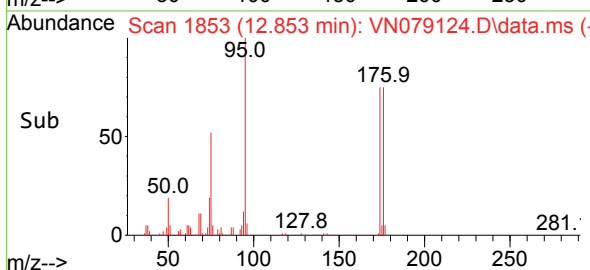
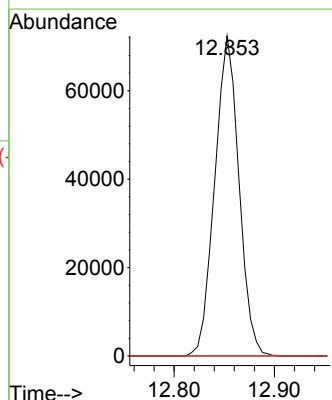
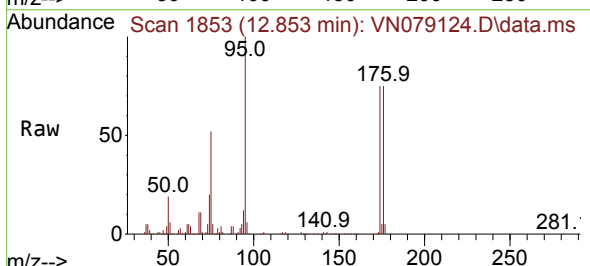
Tgt Ion: 75 Resp: 121316

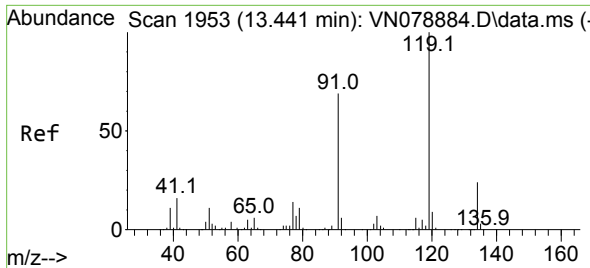
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

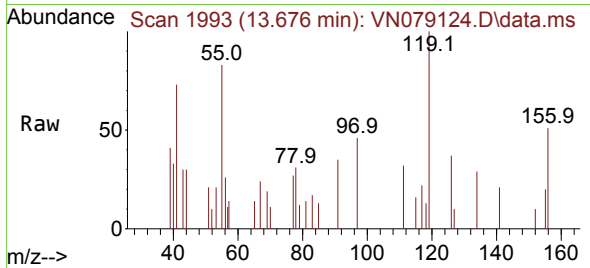
89 0.0 38.8 58.2#



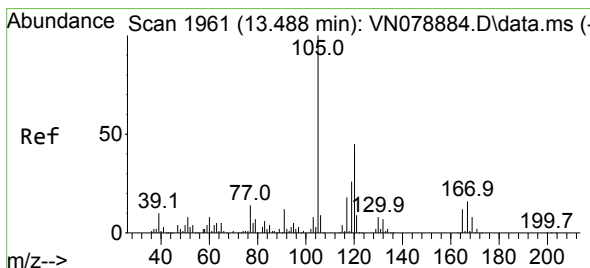
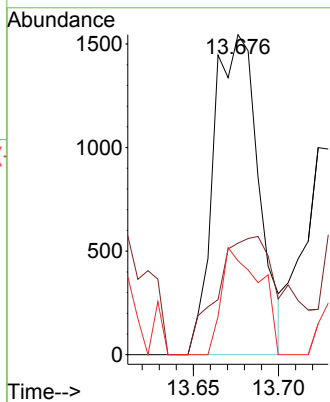
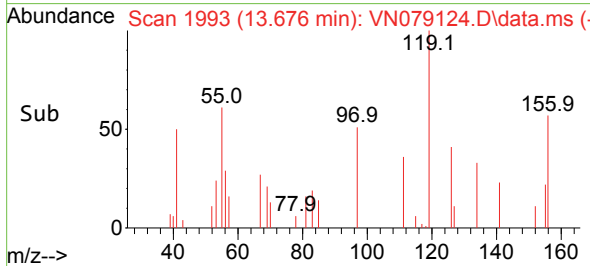


#83  
tert-Butylbenzene  
Concen: 0.246 ug/l  
RT: 13.676 min Scan# 1993  
Delta R.T. 0.235 min  
Lab File: VN079124.D  
Acq: 01 Sep 2023 15:46

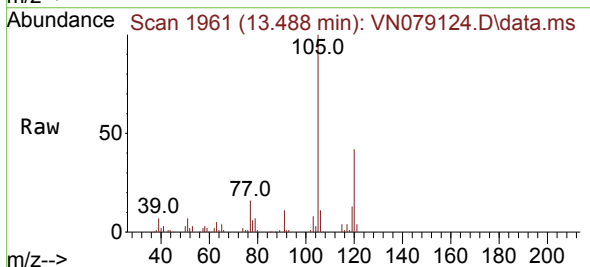
Instrument :  
MSVOA\_N  
ClientSampleId :



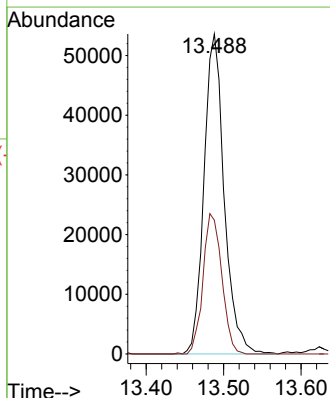
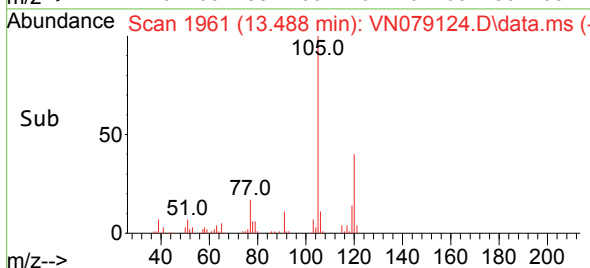
Tgt Ion:119 Resp: 2837  
Ion Ratio Lower Upper  
119 100  
91 55.1 33.9 101.7  
134 28.6 13.2 39.6

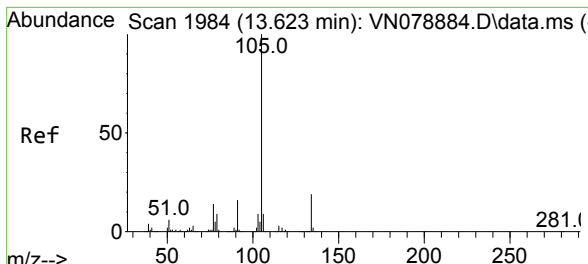


#84  
1,2,4-Trimethylbenzene  
Concen: 7.160 ug/l  
RT: 13.488 min Scan# 1961  
Delta R.T. 0.000 min  
Lab File: VN079124.D  
Acq: 01 Sep 2023 15:46



Tgt Ion:105 Resp: 97131  
Ion Ratio Lower Upper  
105 100  
120 40.7 22.0 66.0

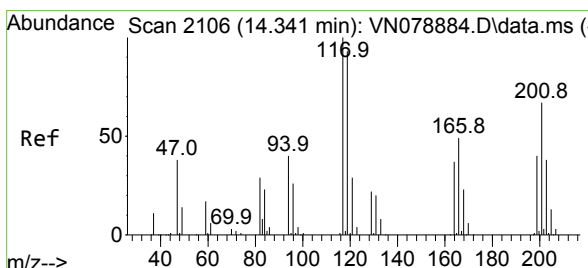
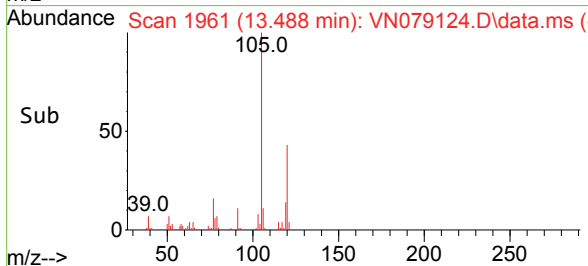
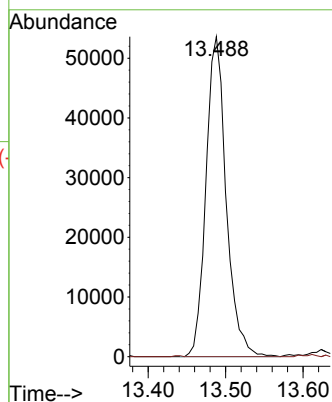
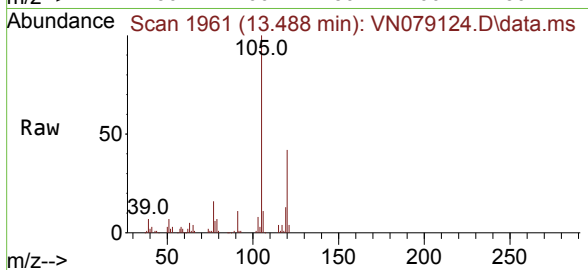




#85  
 sec-Butylbenzene  
 Concen: 6.131 ug/l  
 RT: 13.488 min Scan# 1984  
 Delta R.T. -0.135 min  
 Lab File: VN079124.D  
 Acq: 01 Sep 2023 15:46

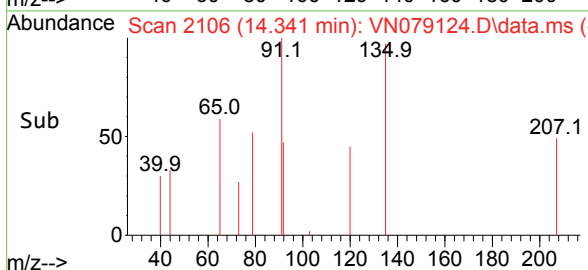
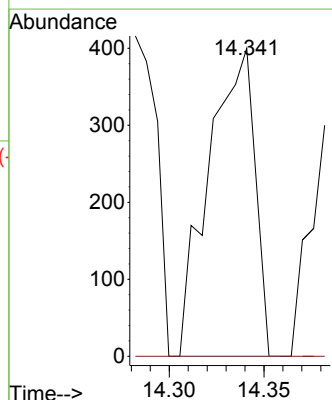
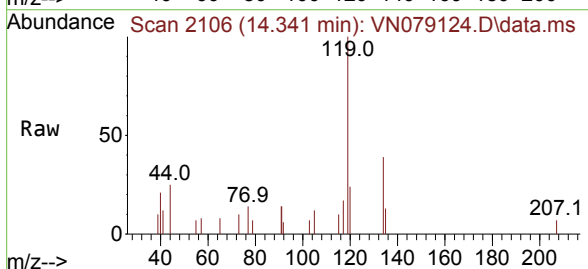
Instrument :  
 MSVOA\_N  
 ClientSampleId :

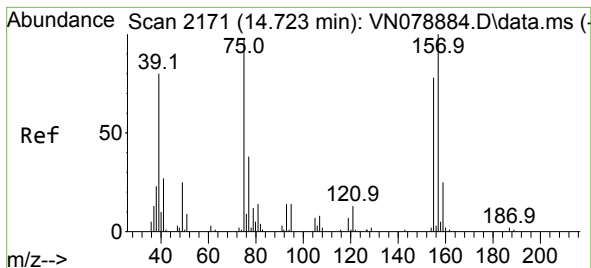
Tgt Ion:105 Resp: 97131  
 Ion Ratio Lower Upper  
 105 100  
 134 0.0 9.8 29.3#



#90  
 Hexachloroethane  
 Concen: 0.266 ug/l  
 RT: 14.341 min Scan# 2106  
 Delta R.T. 0.006 min  
 Lab File: VN079124.D  
 Acq: 01 Sep 2023 15:46

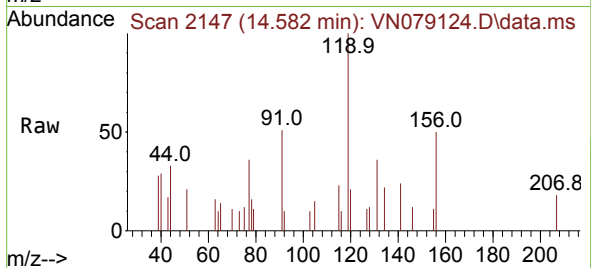
Tgt Ion:117 Resp: 676  
 Ion Ratio Lower Upper  
 117 100  
 201 0.0 29.3 88.0#



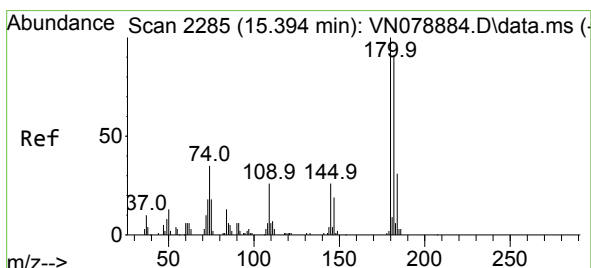
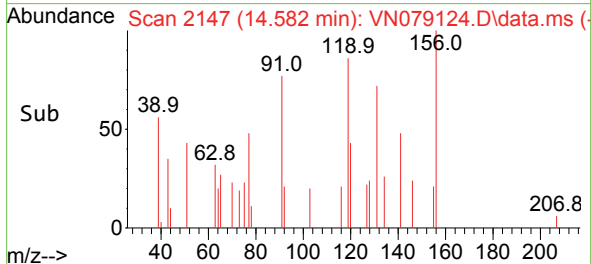
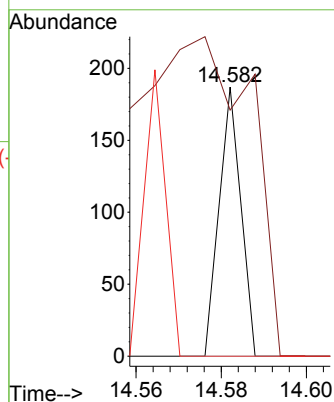


#92  
1,2-Dibromo-3-Chloropropane  
Concen: Below Cal  
RT: 14.582 min Scan# 2171  
Delta R.T. -0.141 min  
Lab File: VN079124.D  
Acq: 01 Sep 2023 15:46

Instrument :  
MSVOA\_N  
ClientSampleId :

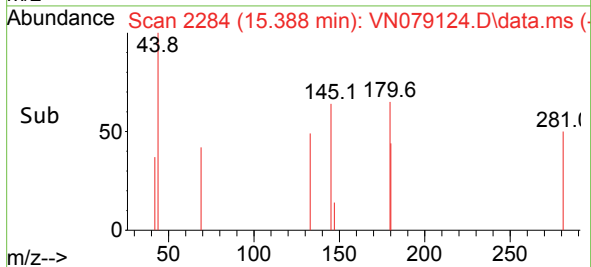
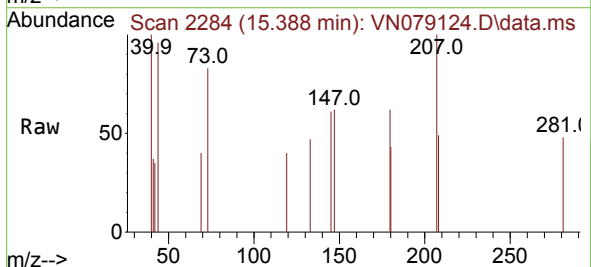
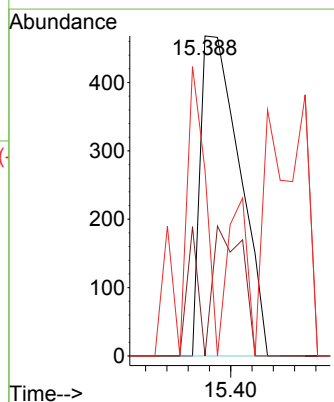


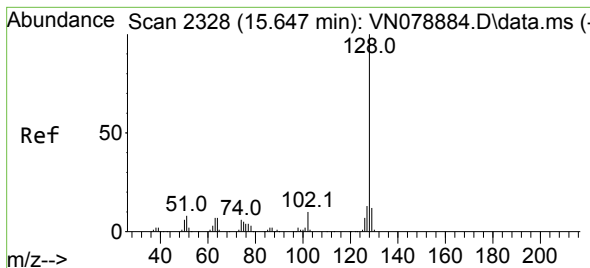
Tgt Ion: 75 Resp: 66  
Ion Ratio Lower Upper  
75 100  
155 727.3 39.1 117.2#  
157 106.1 50.3 150.9



#93  
1,2,4-Trichlorobenzene  
Concen: 0.237 ug/l  
RT: 15.388 min Scan# 2284  
Delta R.T. -0.012 min  
Lab File: VN079124.D  
Acq: 01 Sep 2023 15:46

Tgt Ion: 180 Resp: 598  
Ion Ratio Lower Upper  
180 100  
182 41.3 46.1 138.2#  
145 52.2 16.6 49.8#





#95

Naphthalene

Concen: 46.452 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. -0.000 min

Lab File: VN079124.D

Acq: 01 Sep 2023 15:46

Instrument :

MSVOA\_N

ClientSampleId :

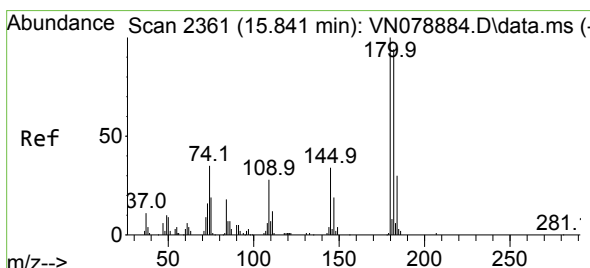
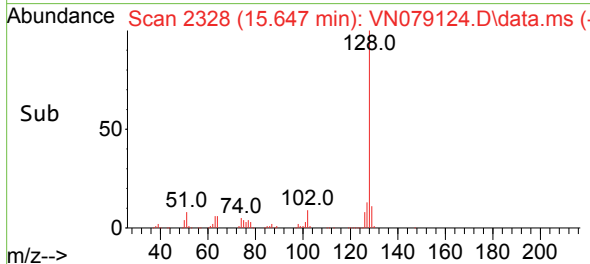
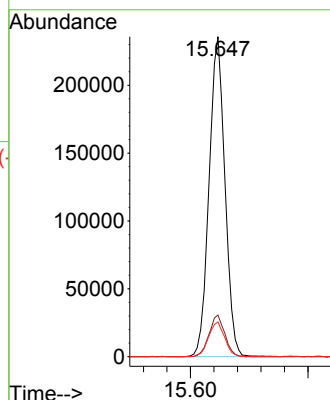
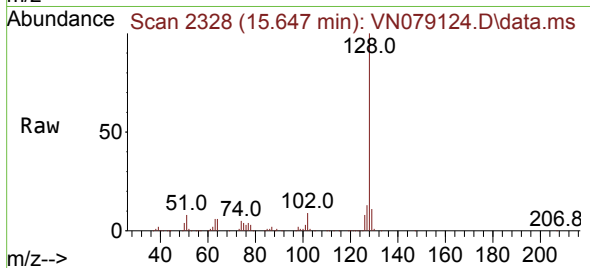
Tgt Ion:128 Resp: 442012

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

129 11.1 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.239 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.006 min

Lab File: VN079124.D

Acq: 01 Sep 2023 15:46

Tgt Ion:180 Resp: 660

Ion Ratio Lower Upper

180 100

182 71.8 46.2 138.6

145 41.7 17.5 52.6

