

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101123\  
 Data File : VN079521.D  
 Acq On : 11 Oct 2023 16:48  
 Operator : JC\MD  
 Sample : 04823-06  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Oct 12 06:11:53 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 06 03:34:49 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 466918   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 876213   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 849888   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 347434   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 360790   | 47.656   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 95.320%  |
| 35) Dibromofluoromethane    | 8.171  | 113   | 299797   | 47.611   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 95.220%  |
| 50) Toluene-d8              | 10.571 | 98    | 1044694  | 45.853   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 91.700%  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 412993   | 56.484   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 112.960% |

|                               |        |     |         |           |        |     |
|-------------------------------|--------|-----|---------|-----------|--------|-----|
| Target Compounds              |        |     |         | Qvalue    |        |     |
| 11) Tert butyl alcohol        | 5.577  | 59  | 53666   | 47.098    | ug/l # | 58  |
| 13) Acrolein                  | 4.206  | 56  | 100858  | 88.895    | ug/l # | 16  |
| 16) Acetone                   | 4.430  | 43  | 4623885 | 1539.859  | ug/l # | 71  |
| 18) Methyl Acetate            | 5.042  | 43  | 16786   | 1.142     | ug/l # | 83  |
| 20) Methylene Chloride        | 5.277  | 84  | 2306    | Below Cal | #      | 67  |
| 22) Diisopropyl ether         | 6.800  | 45  | 1640737 | 82.190    | ug/l # | 1   |
| 23) Vinyl Acetate             | 6.800  | 43  | 3927499 | 349.763   | ug/l # | 62  |
| 25) 2-Butanone                | 7.489  | 43  | 137838  | 30.928    | ug/l # | 84  |
| 31) Cyclohexane               | 8.224  | 56  | 16764   | 1.561     | ug/l # | 31  |
| 36) 1,1-Dichloropropene       | 8.230  | 75  | 44270   | 4.684     | ug/l # | 48  |
| 37) Ethyl Acetate             | 7.489  | 43  | 137838  | 14.658    | ug/l # | 63  |
| 38) Carbon Tetrachloride      | 8.230  | 117 | 52450   | 5.544     | ug/l # | 15  |
| 39) Methylcyclohexane         | 9.600  | 83  | 3301    | 0.364     | ug/l # | 90  |
| 40) Benzene                   | 8.612  | 78  | 1137657 | 40.534    | ug/l   | 100 |
| 41) Methacrylonitrile         | 7.794  | 41  | 1526    | 0.309     | ug/l # | 35  |
| 42) 1,2-Dichloroethane        | 8.671  | 62  | 4817    | 0.472     | ug/l # | 73  |
| 43) Isopropyl Acetate         | 8.706  | 43  | 27725   | 1.683     | ug/l # | 50  |
| 48) Methyl methacrylate       | 9.659  | 41  | 51791   | 7.336     | ug/l # | 33  |
| 52) Toluene                   | 10.635 | 92  | 1190693 | 72.071    | ug/l   | 98  |
| 53) t-1,3-Dichloropropene     | 10.747 | 75  | 8422    | 0.848     | ug/l   | 97  |
| 56) Ethyl methacrylate        | 10.829 | 69  | 3949    | 0.433     | ug/l # | 32  |
| 57) 1,3-Dichloropropane       | 11.206 | 76  | 3118    | 0.272     | ug/l # | 42  |
| 59) 2-Hexanone                | 11.294 | 43  | 4322    | 0.644     | ug/l   | 90  |
| 67) Ethyl Benzene             | 11.965 | 91  | 324924  | 9.877     | ug/l   | 94  |
| 68) m/p-Xylenes               | 12.071 | 106 | 443949  | 37.141    | ug/l   | 92  |
| 69) o-Xylene                  | 12.400 | 106 | 190565  | 16.211    | ug/l   | 91  |
| 70) Styrene                   | 12.418 | 104 | 111532  | 6.007     | ug/l # | 73  |
| 73) Isopropylbenzene          | 12.700 | 105 | 18626   | 0.576     | ug/l   | 97  |
| 74) N-amyl acetate            | 12.465 | 43  | 7888    | 0.595     | ug/l # | 39  |
| 75) 1,1,2,2-Tetrachloroethane | 12.800 | 83  | 377832  | 35.872    | ug/l # | 32  |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75  | 233908  | 23.350    | ug/l # | 1   |
| 78) n-propylbenzene           | 13.041 | 91  | 39524   | 1.081     | ug/l   | 95  |
| 79) 2-Chlorotoluene           | 13.100 | 91  | 14490   | 0.619     | ug/l # | 46  |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105 | 61567   | 2.416     | ug/l   | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75  | 233908  | 67.751    | ug/l # | 16  |
| 82) 4-Chlorotoluene           | 13.176 | 91  | 7319    | 0.329     | ug/l # | 41  |

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 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Oct 12 06:11:53 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 06 03:34:49 2023  
 Response via : Initial Calibration

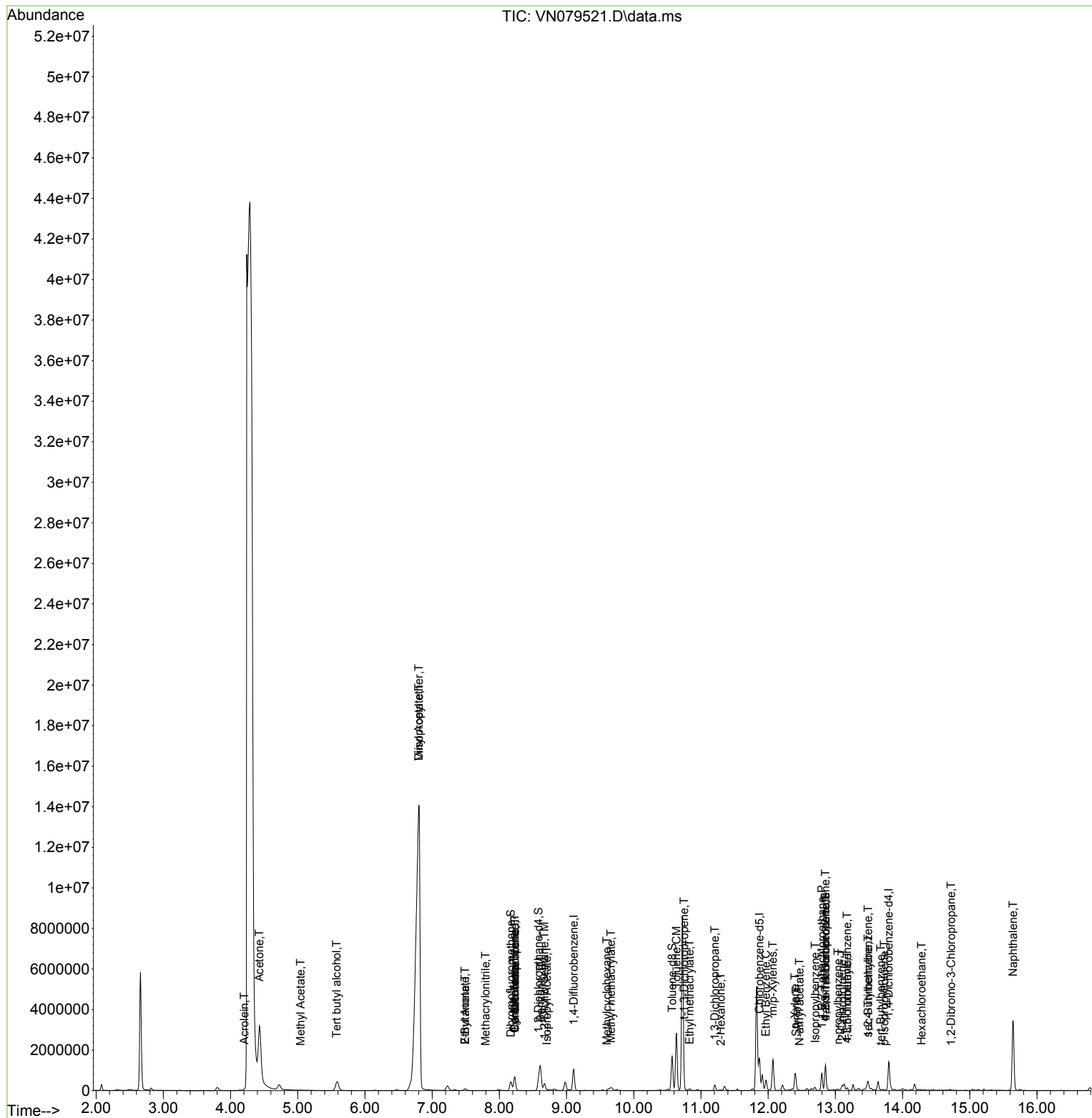
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 83) tert-Butylbenzene         | 13.676 | 119  | 6522     | 0.312   | ug/l   | 71       |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 206385   | 8.485   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.488 | 105  | 206385   | 7.086   | ug/l # | 57       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 5896     | 0.264   | ug/l   | 90       |
| 90) Hexachloroethane          | 14.282 | 117  | 6442     | 0.383   | ug/l # | 21       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 626      | 0.335   | ug/l # | 4        |
| 95) Naphthalene               | 15.647 | 128  | 3078966  | 265.508 | ug/l   | 99       |

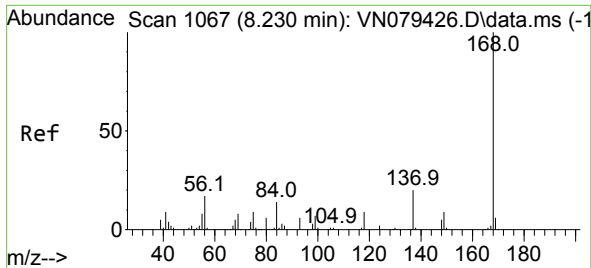
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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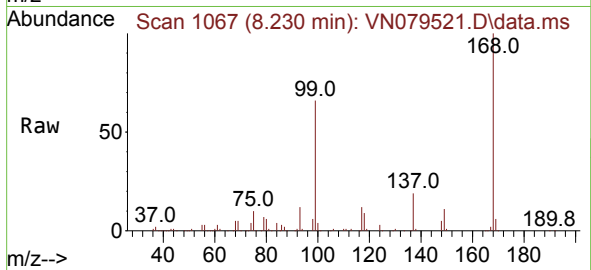
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100523W.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 06 03:34:49 2023  
Response via : Initial Calibration



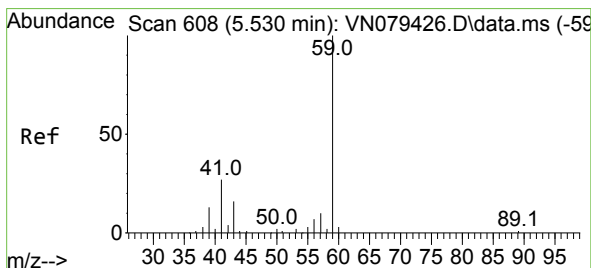
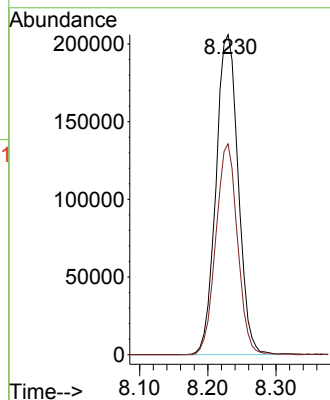
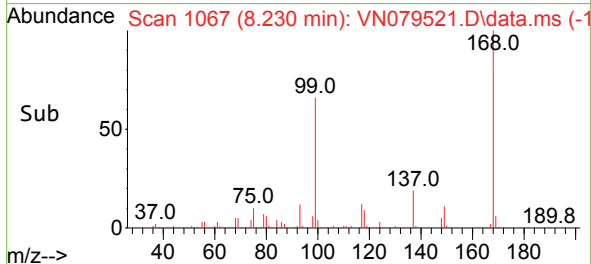


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.000 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

Instrument :  
MSVOA\_N  
ClientSampleId :

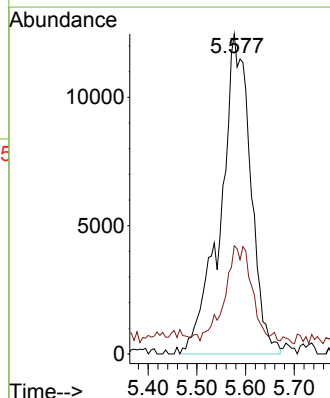
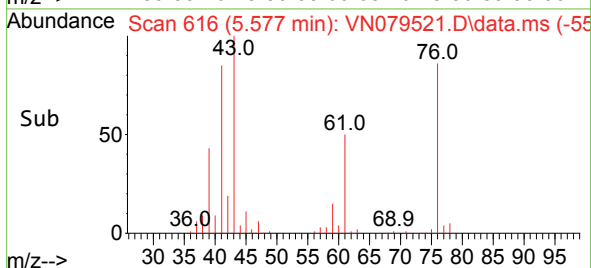
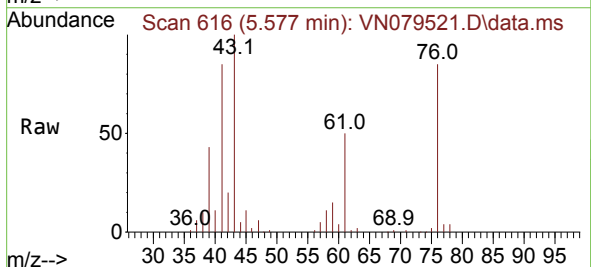


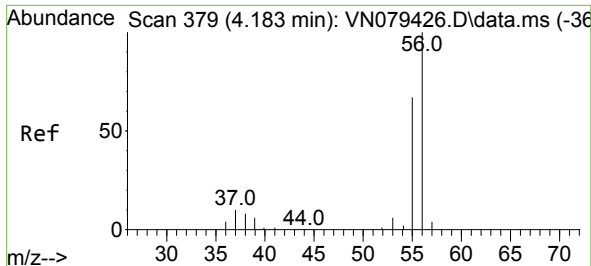
Tgt Ion:168 Resp: 466918  
Ion Ratio Lower Upper  
168 100  
99 65.9 53.0 79.6



#11  
Tert butyl alcohol  
Concen: 47.098 ug/l  
RT: 5.577 min Scan# 616  
Delta R.T. 0.047 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

Tgt Ion: 59 Resp: 53666  
Ion Ratio Lower Upper  
59 100  
57 26.1 8.2 12.4#

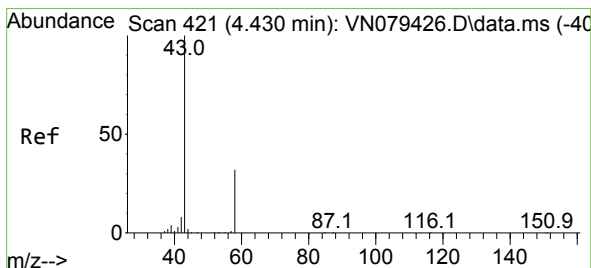
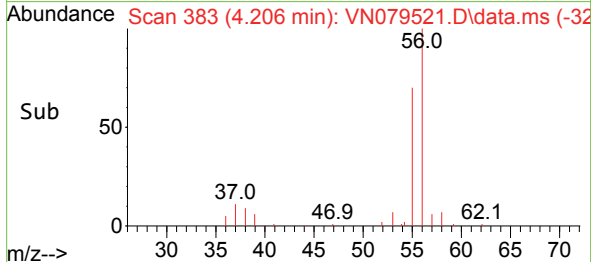
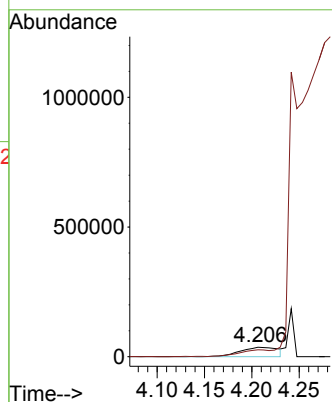
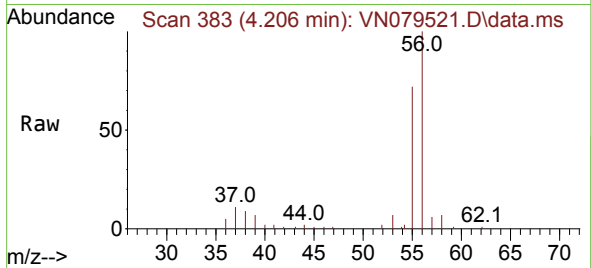




#13  
Acrolein  
Concen: 88.895 ug/l  
RT: 4.206 min Scan# 383  
Delta R.T. 0.023 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

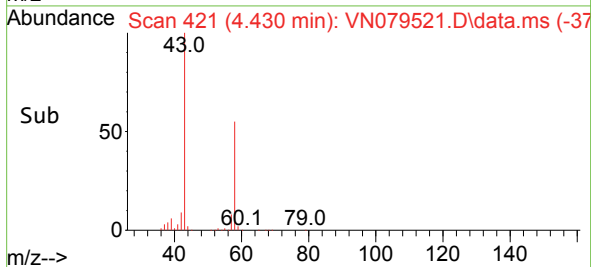
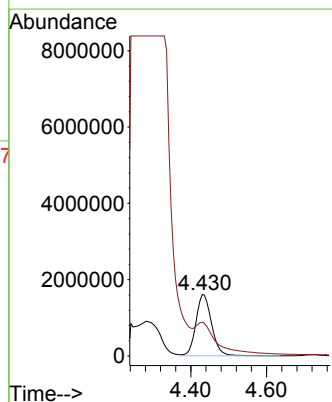
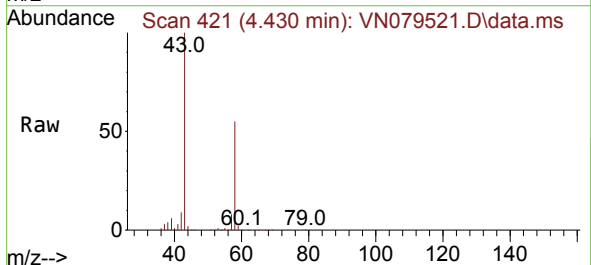
Instrument :  
MSVOA\_N  
ClientSampleId :

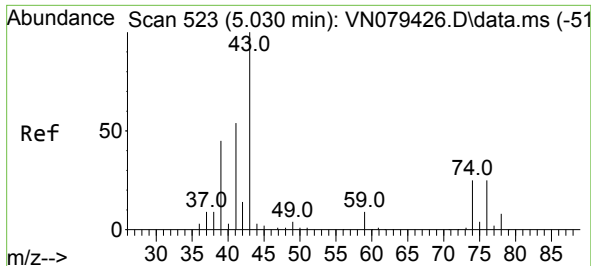
Tgt Ion: 56 Resp: 100858  
Ion Ratio Lower Upper  
56 100  
55 0.0 54.5 81.7#



#16  
Acetone  
Concen: 1539.859 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. -0.000 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

Tgt Ion: 43 Resp: 4623885  
Ion Ratio Lower Upper  
43 100  
58 51.9 28.0 42.0#

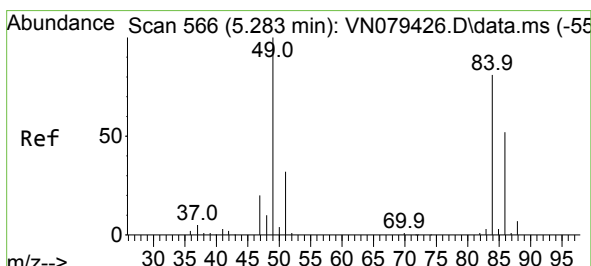
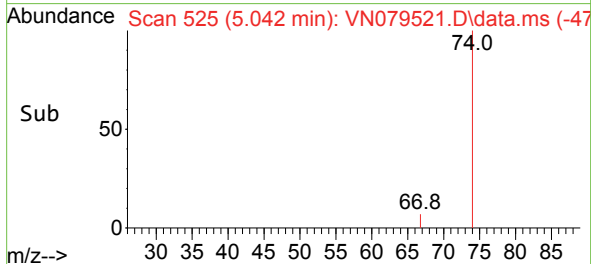
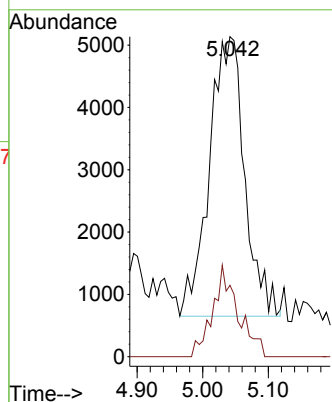
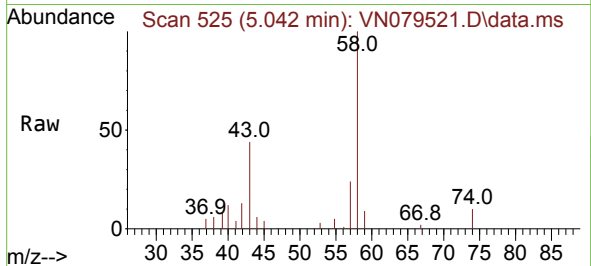




#18  
Methyl Acetate  
Concen: 1.142 ug/l  
RT: 5.042 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

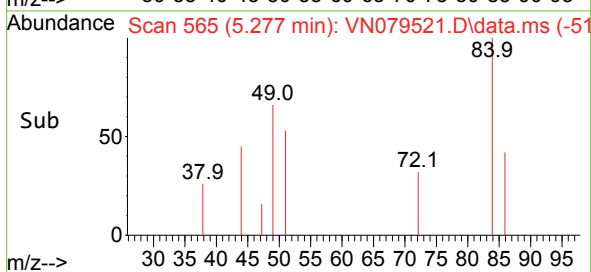
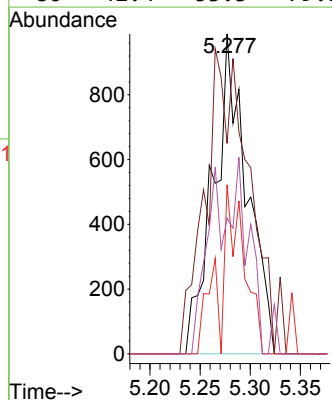
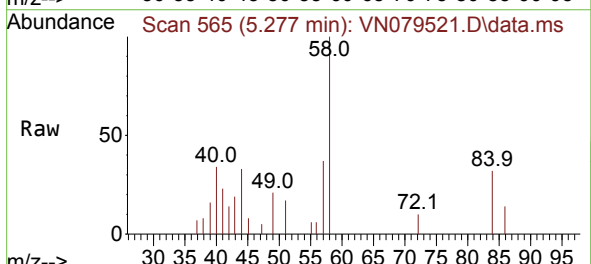
Instrument :  
MSVOA\_N  
ClientSampleId :

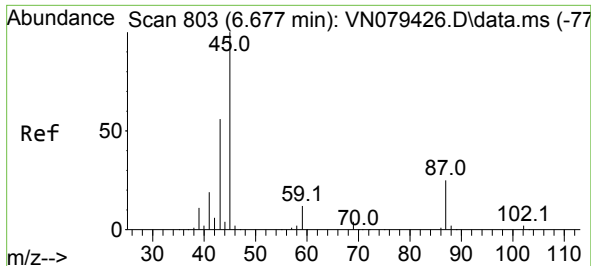
Tgt Ion: 43 Resp: 16786  
Ion Ratio Lower Upper  
43 100  
74 23.5 26.2 39.4#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 5.277 min Scan# 565  
Delta R.T. -0.006 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

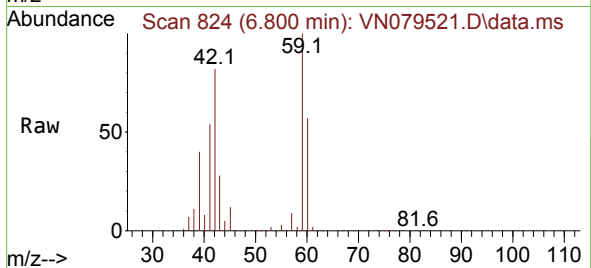
Tgt Ion: 84 Resp: 2306  
Ion Ratio Lower Upper  
84 100  
49 65.8 79.7 119.5#  
51 52.8 25.2 37.8#  
86 42.4 53.3 79.9#





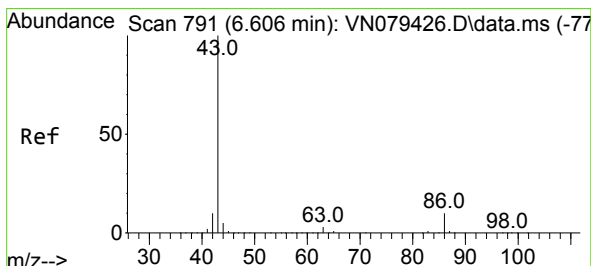
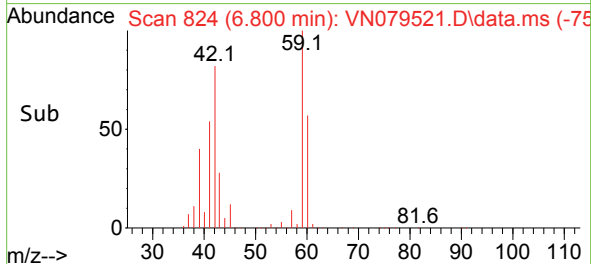
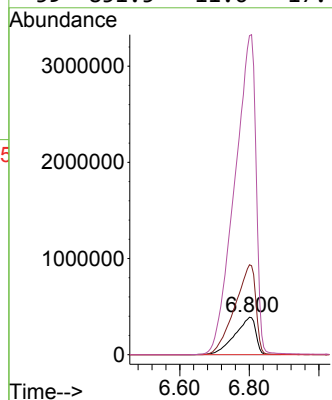
#22  
Diisopropyl ether  
Concen: 82.190 ug/l  
RT: 6.800 min Scan# 81  
Delta R.T. 0.124 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

Instrument :  
MSVOA\_N  
ClientSampleId :



Tgt Ion: 45 Resp: 1640737

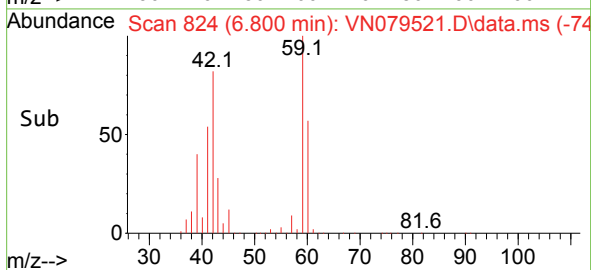
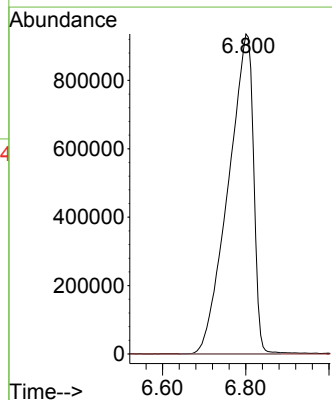
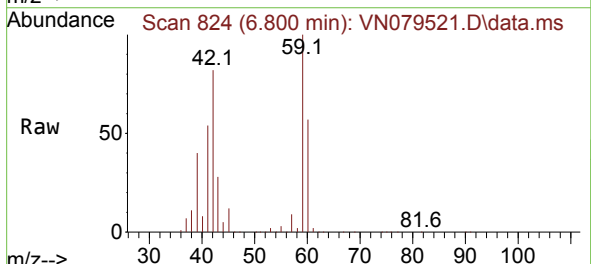
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 43  | 240.1 | 45.5  | 68.3# |
| 87  | 0.0   | 31.8  | 47.8# |
| 59  | 851.5 | 11.6  | 17.4# |

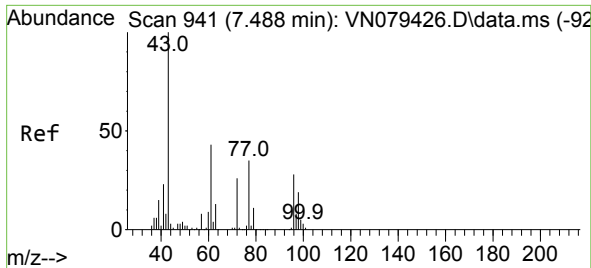


#23  
Vinyl Acetate  
Concen: 349.763 ug/l  
RT: 6.800 min Scan# 824  
Delta R.T. 0.194 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

Tgt Ion: 43 Resp: 3927499

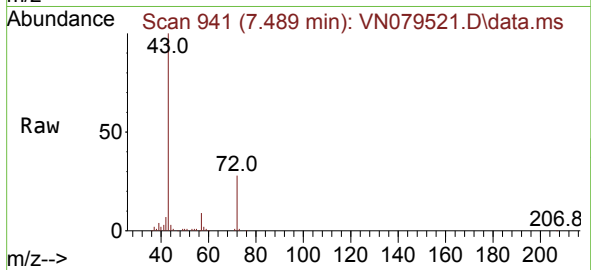
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 0.0   | 13.0  | 19.6# |



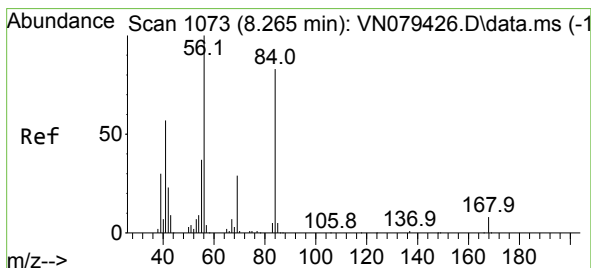
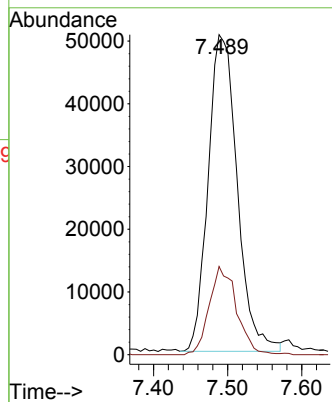
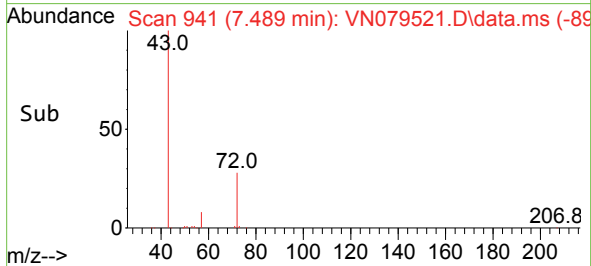


#25  
2-Butanone  
Concen: 30.928 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. 0.000 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

Instrument :  
MSVOA\_N  
ClientSampleId :

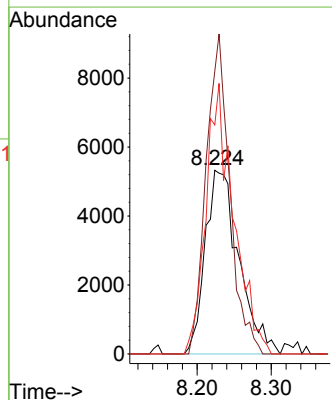
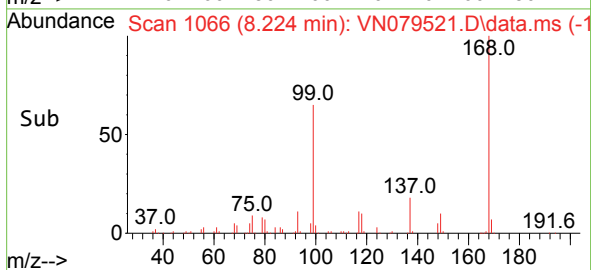
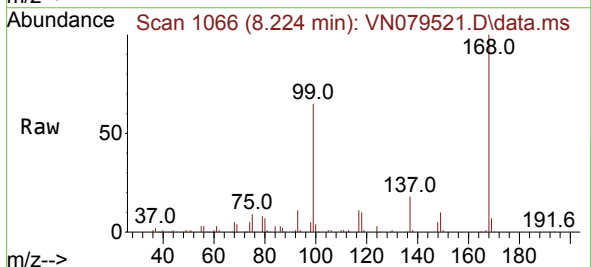


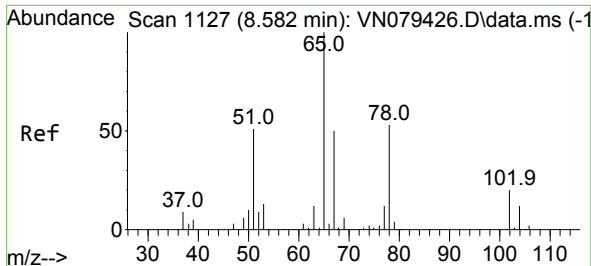
Tgt Ion: 43 Resp: 137838  
Ion Ratio Lower Upper  
43 100  
72 27.9 30.2 45.2#



#31  
Cyclohexane  
Concen: 1.561 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.041 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

Tgt Ion: 56 Resp: 16764  
Ion Ratio Lower Upper  
56 100  
69 153.7 26.8 40.2#  
84 124.6 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 47.656 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079521.D

Acq: 11 Oct 2023 16:48

Instrument :

MSVOA\_N

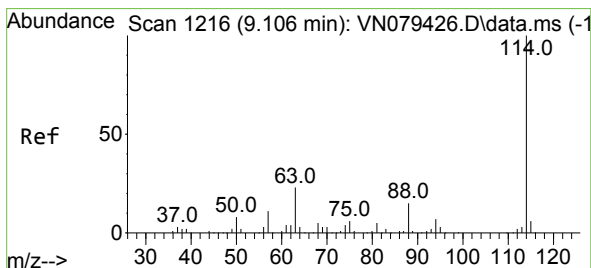
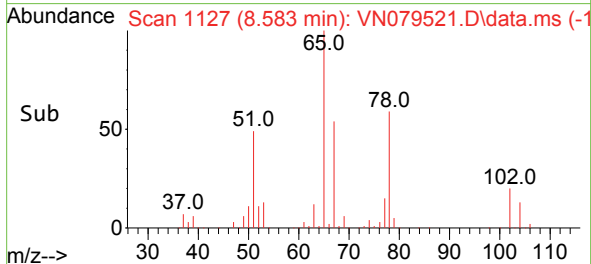
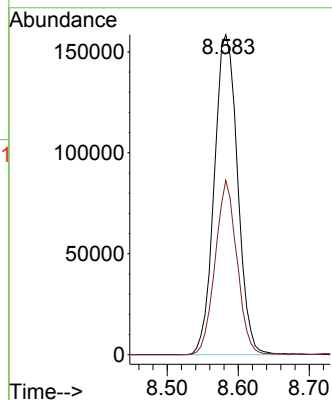
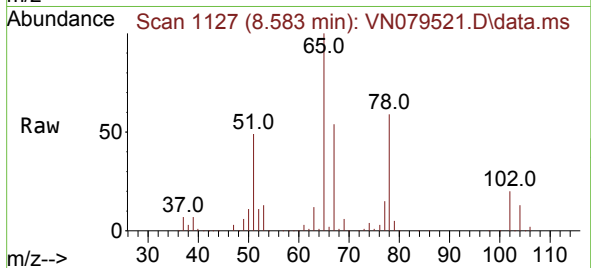
ClientSampleId :

Tgt Ion: 65 Resp: 360790

Ion Ratio Lower Upper

65 100

67 51.0 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079521.D

Acq: 11 Oct 2023 16:48

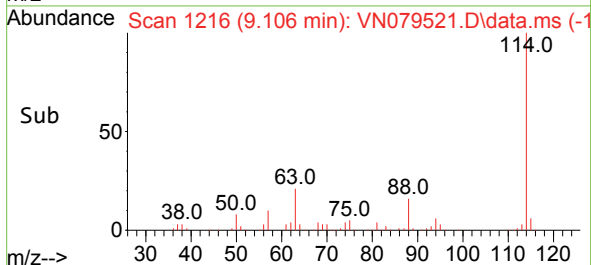
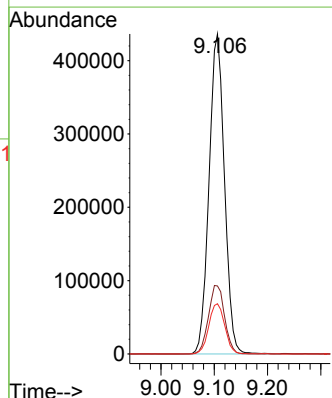
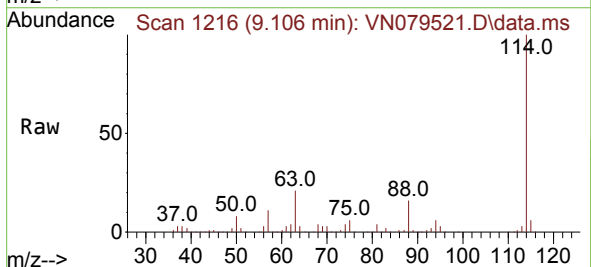
Tgt Ion: 114 Resp: 876213

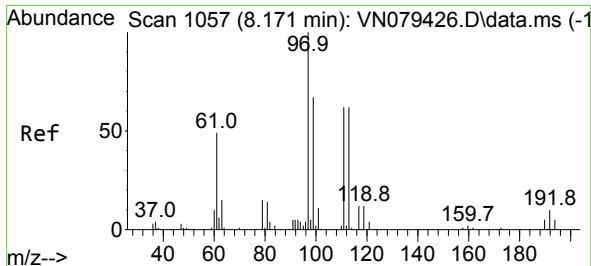
Ion Ratio Lower Upper

114 100

63 21.2 0.0 36.4

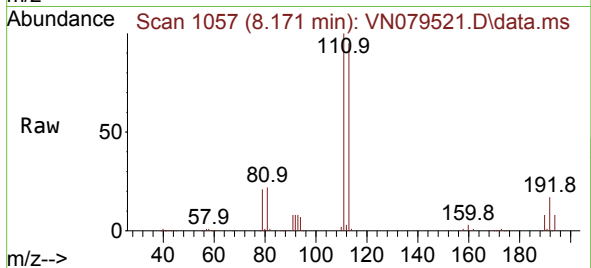
88 15.7 0.0 30.6



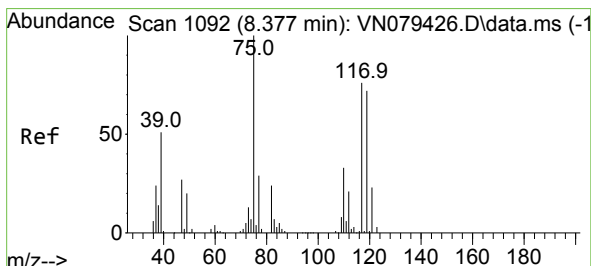
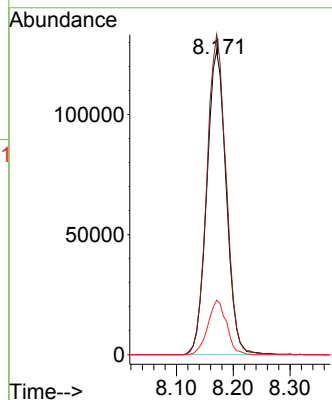
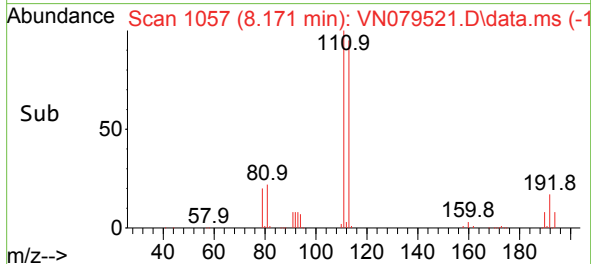


#35  
Dibromofluoromethane  
Concen: 47.611 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. 0.000 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

Instrument :  
MSVOA\_N  
ClientSampleId :

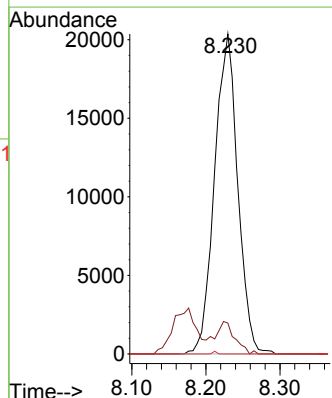
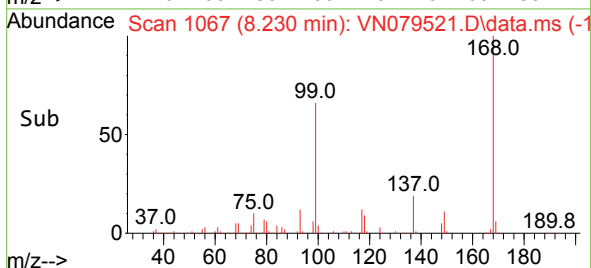
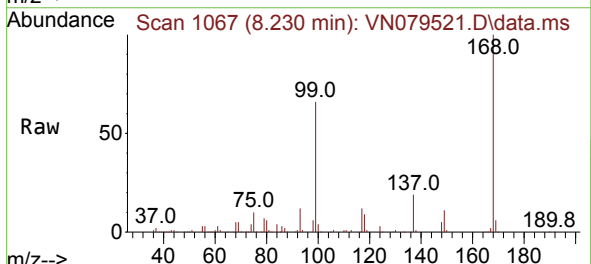


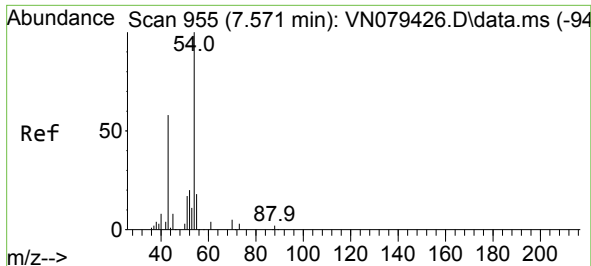
Tgt Ion:113 Resp: 299797  
Ion Ratio Lower Upper  
113 100  
111 104.7 82.6 123.8  
192 17.3 12.7 19.1



#36  
1,1-Dichloropropene  
Concen: 4.684 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.147 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

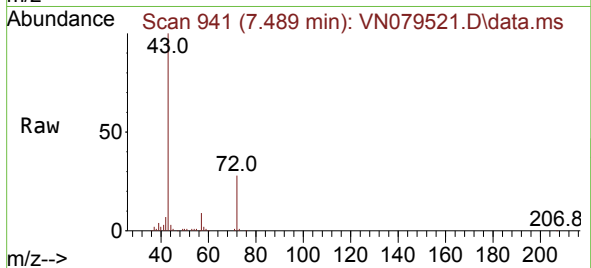
Tgt Ion: 75 Resp: 44270  
Ion Ratio Lower Upper  
75 100  
110 8.6 19.1 57.3#  
77 0.0 25.0 37.4#



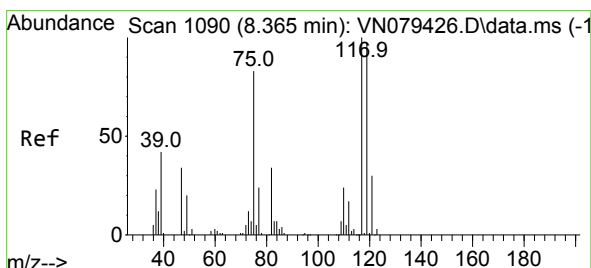
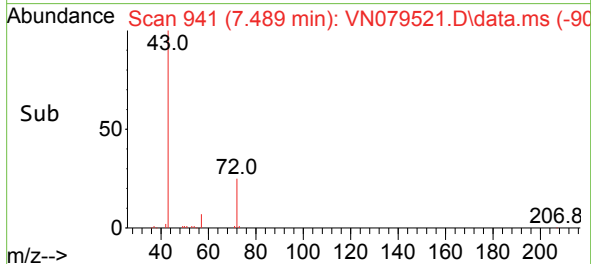
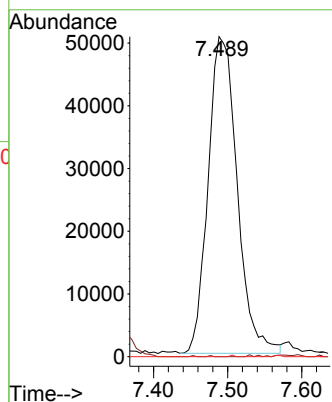


#37  
Ethyl Acetate  
Concen: 14.658 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. -0.082 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

Instrument :  
MSVOA\_N  
ClientSampleId :

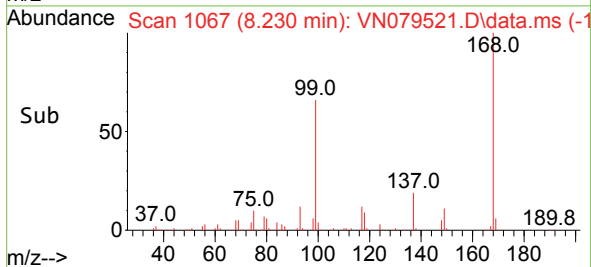
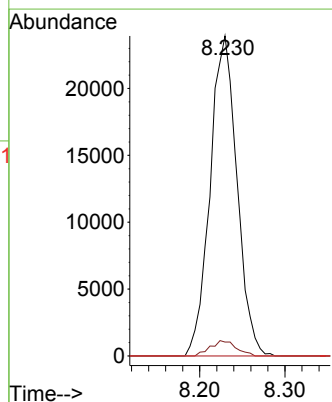
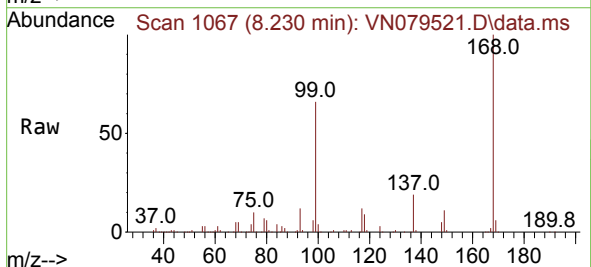


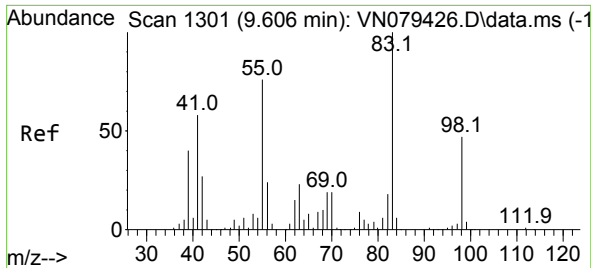
Tgt Ion: 43 Resp: 137838  
Ion Ratio Lower Upper  
43 100  
61 0.0 13.2 19.8#  
70 0.1 11.3 16.9#



#38  
Carbon Tetrachloride  
Concen: 5.544 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.135 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

Tgt Ion: 117 Resp: 52450  
Ion Ratio Lower Upper  
117 100  
119 4.3 77.3 115.9#  
121 0.0 23.3 34.9#





#39

Methylcyclohexane

Concen: 0.364 ug/l

RT: 9.600 min Scan# 11300

Delta R.T. -0.006 min

Lab File: VN079521.D

Acq: 11 Oct 2023 16:48

Instrument :

MSVOA\_N

ClientSampleId :

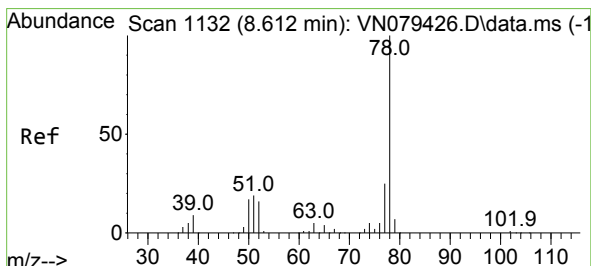
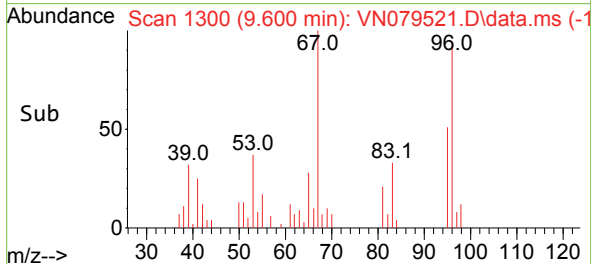
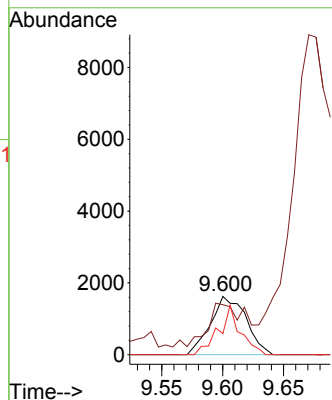
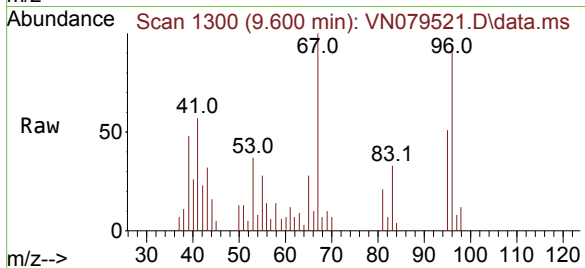
Tgt Ion: 83 Resp: 3301

Ion Ratio Lower Upper

83 100

55 60.2 49.1 73.7

98 36.2 40.6 61.0#



#40

Benzene

Concen: 40.534 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VN079521.D

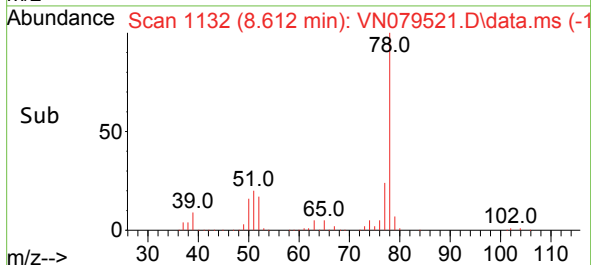
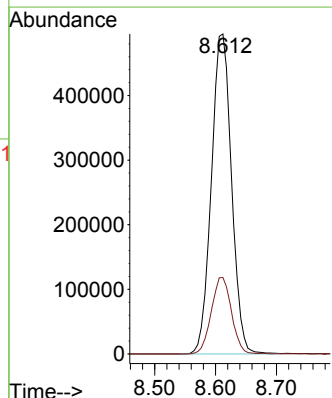
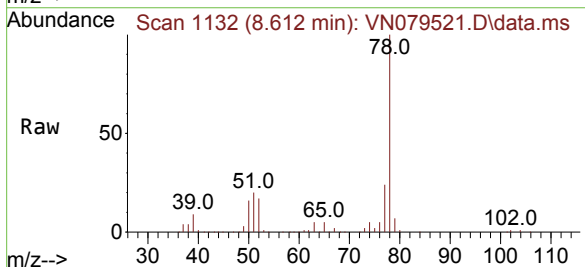
Acq: 11 Oct 2023 16:48

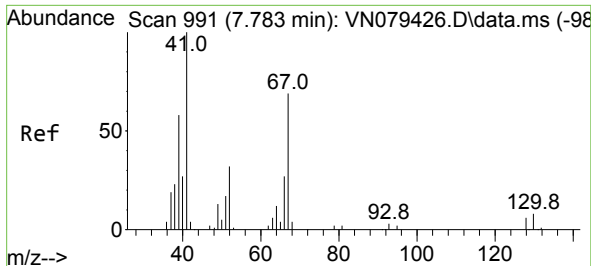
Tgt Ion: 78 Resp: 1137657

Ion Ratio Lower Upper

78 100

77 23.9 19.0 28.6

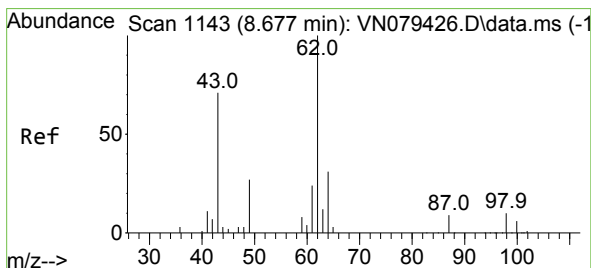
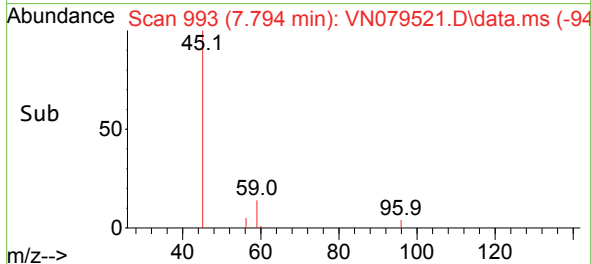
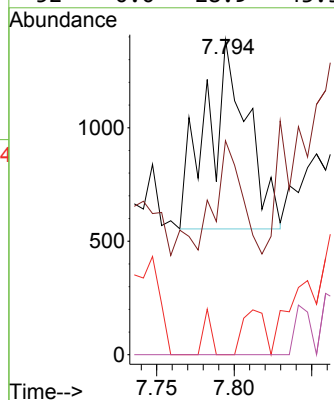
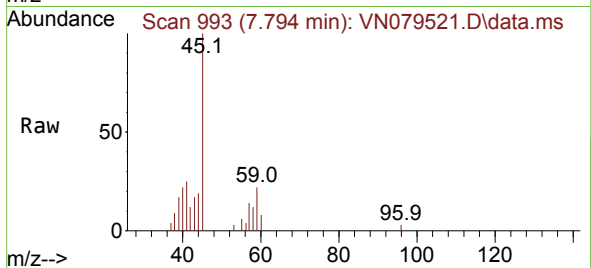




#41  
Methacrylonitrile  
Concen: 0.309 ug/l  
RT: 7.794 min Scan# 991  
Delta R.T. 0.012 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

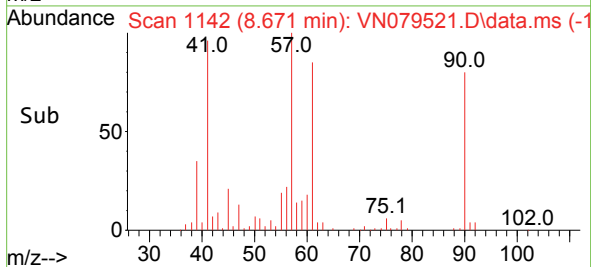
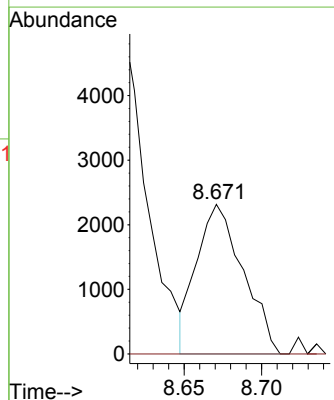
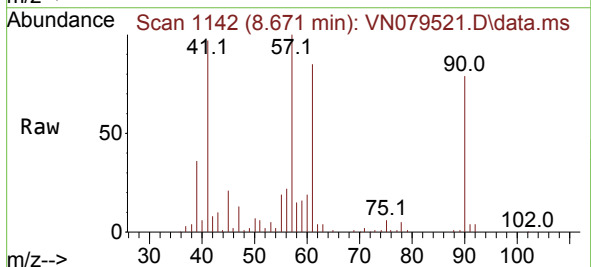
Instrument :  
MSVOA\_N  
ClientSampleId :

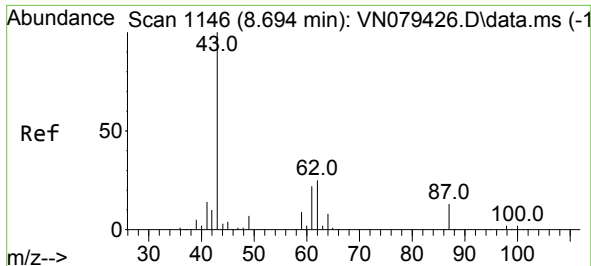
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 1526  |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 43.6     | 42.6 64.0   |
| 67 4.7      | 77.5 116.3# |
| 52 0.0      | 28.9 43.3#  |



#42  
1,2-Dichloroethane  
Concen: 0.472 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. -0.006 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

|             |            |       |  |
|-------------|------------|-------|--|
| Tgt Ion: 62 | Resp: 4817 |       |  |
| Ion Ratio   | Lower      | Upper |  |
| 62 100      |            |       |  |
| 98 0.0      | 0.0        | 19.8  |  |

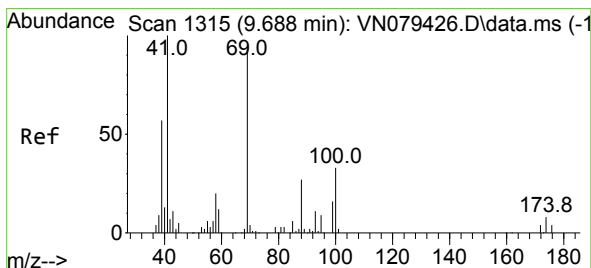
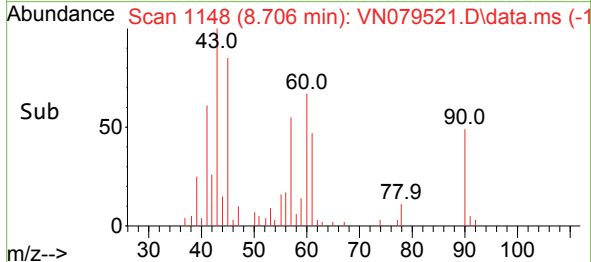
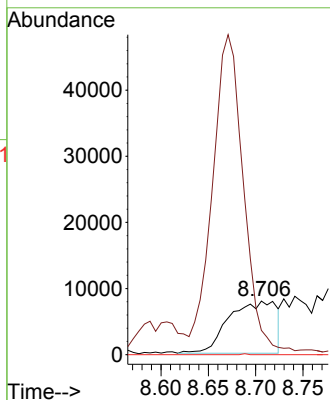
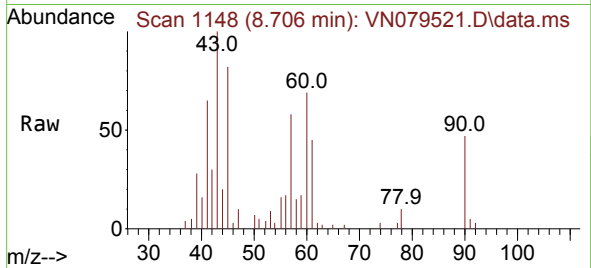




#43  
Isopropyl Acetate  
Concen: 1.683 ug/l  
RT: 8.706 min Scan# 1148  
Delta R.T. 0.012 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

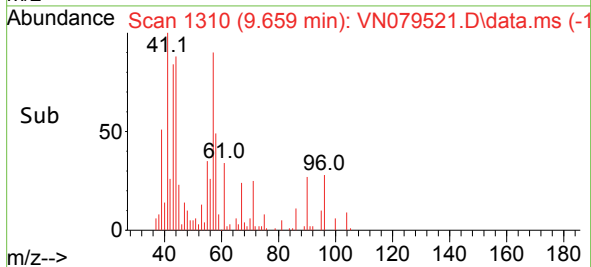
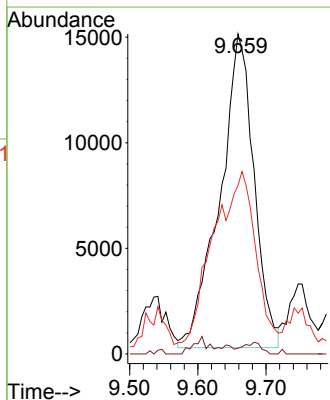
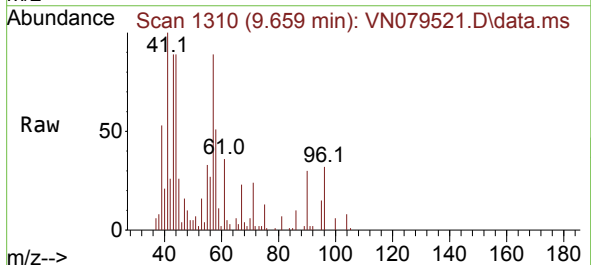
Instrument :  
MSVOA\_N  
ClientSampleId :

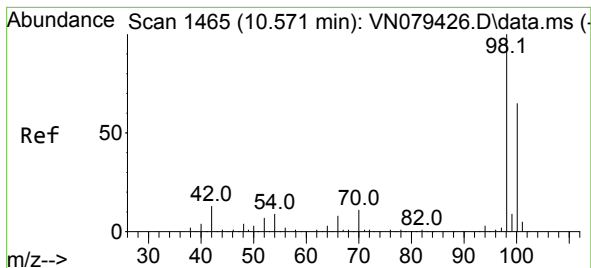
Tgt Ion: 43 Resp: 27725  
Ion Ratio Lower Upper  
43 100  
61 0.0 24.7 37.1#  
87 0.2 14.6 21.8#



#48  
Methyl methacrylate  
Concen: 7.336 ug/l  
RT: 9.659 min Scan# 1310  
Delta R.T. -0.029 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

Tgt Ion: 41 Resp: 51791  
Ion Ratio Lower Upper  
41 100  
69 0.0 90.4 135.6#  
39 71.3 54.6 81.8





#50

Toluene-d8

Concen: 45.853 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079521.D

Acq: 11 Oct 2023 16:48

Instrument :

MSVOA\_N

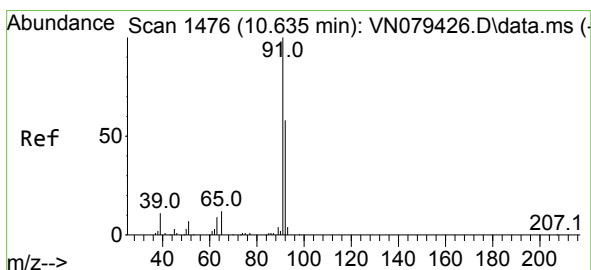
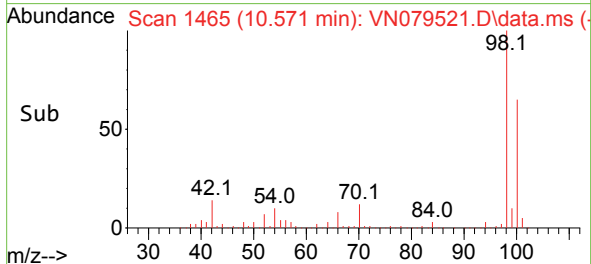
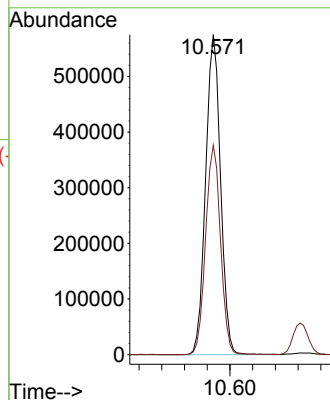
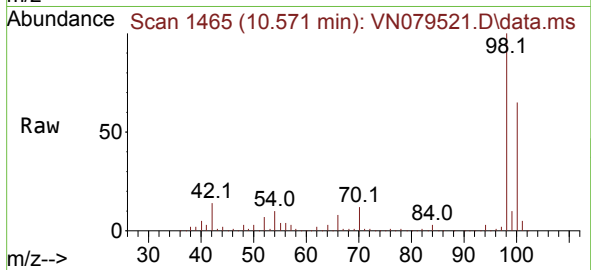
ClientSampleId :

Tgt Ion: 98 Resp: 1044694

Ion Ratio Lower Upper

98 100

100 65.5 52.0 78.0



#52

Toluene

Concen: 72.071 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN079521.D

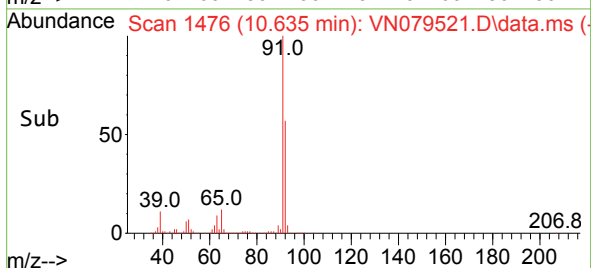
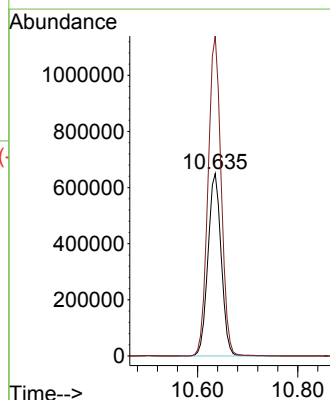
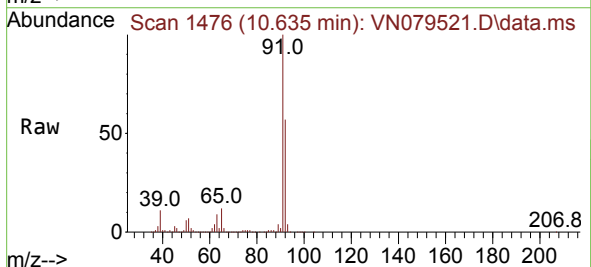
Acq: 11 Oct 2023 16:48

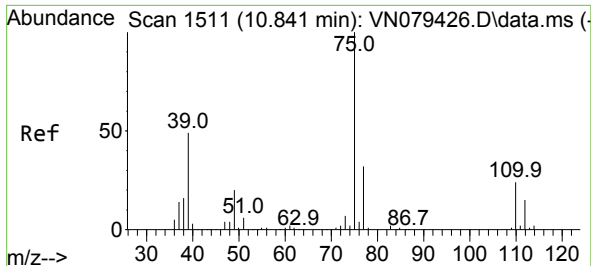
Tgt Ion: 92 Resp: 1190693

Ion Ratio Lower Upper

92 100

91 174.1 137.4 206.0

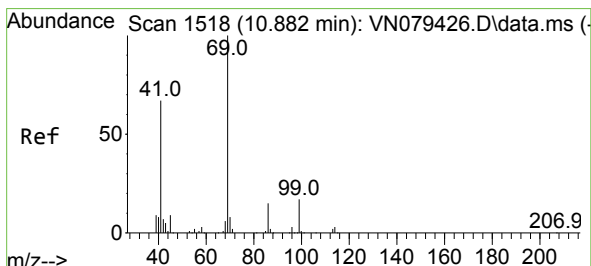
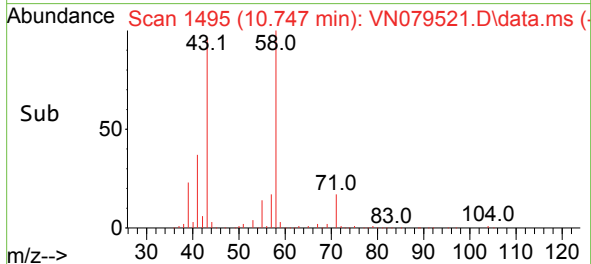
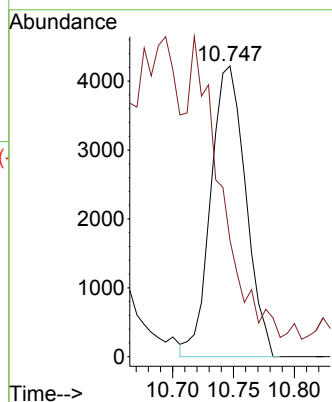
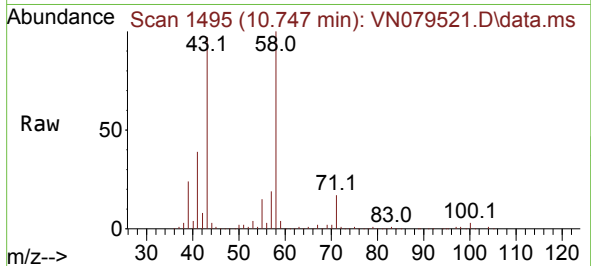




#53  
t-1,3-Dichloropropene  
Concen: 0.848 ug/l  
RT: 10.747 min Scan# 14  
Delta R.T. -0.094 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

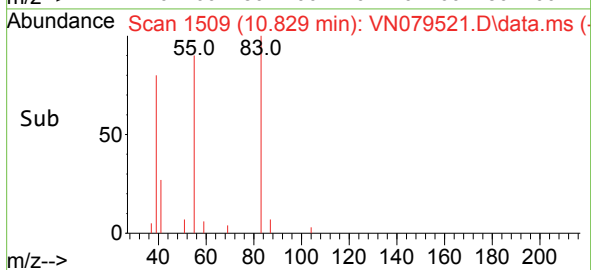
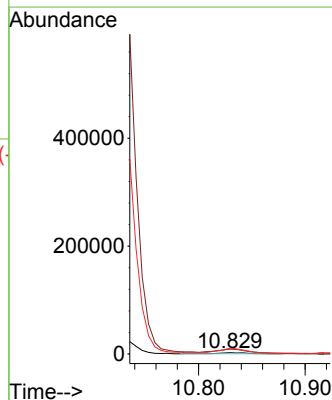
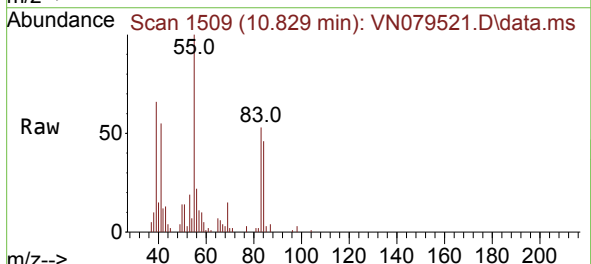
Instrument :  
MSVOA\_N  
ClientSampleId :

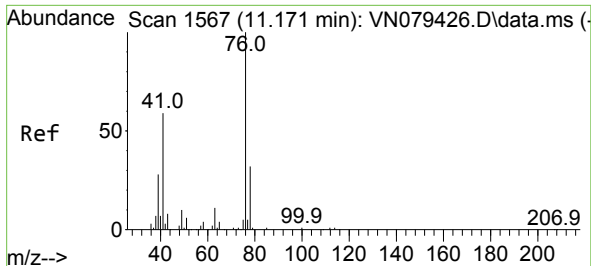
Tgt Ion: 75 Resp: 8422  
Ion Ratio Lower Upper  
75 100  
77 33.4 25.4 38.0



#56  
Ethyl methacrylate  
Concen: 0.433 ug/l  
RT: 10.829 min Scan# 1509  
Delta R.T. -0.053 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

Tgt Ion: 69 Resp: 3949  
Ion Ratio Lower Upper  
69 100  
41 0.0 39.6 59.4#  
39 0.0 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 0.272 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN079521.D

Acq: 11 Oct 2023 16:48

Instrument :

MSVOA\_N

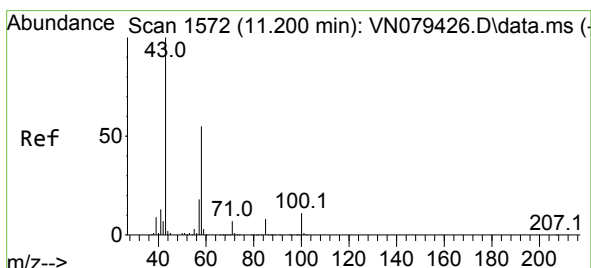
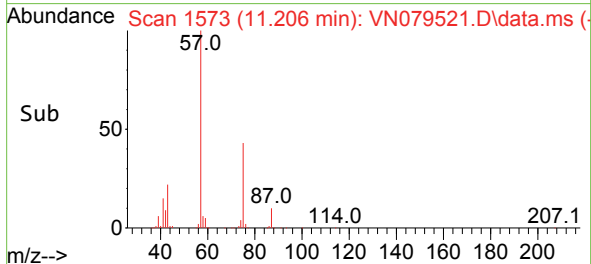
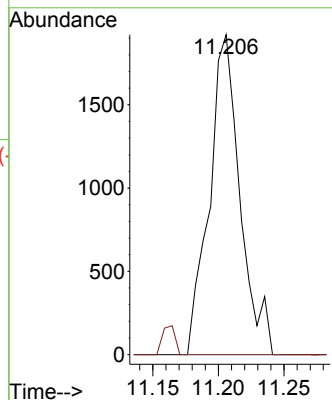
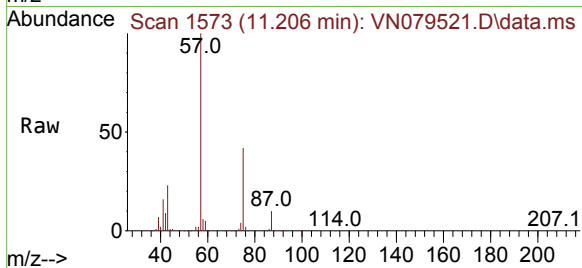
ClientSampleId :

Tgt Ion: 76 Resp: 3118

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 0.644 ug/l

RT: 11.294 min Scan# 1588

Delta R.T. 0.094 min

Lab File: VN079521.D

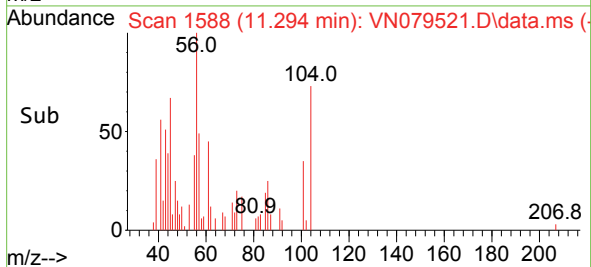
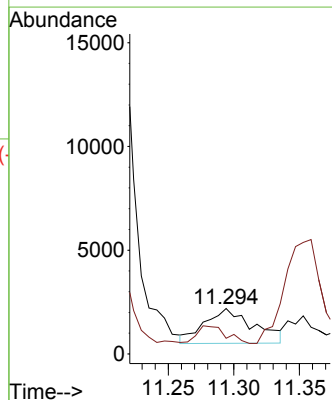
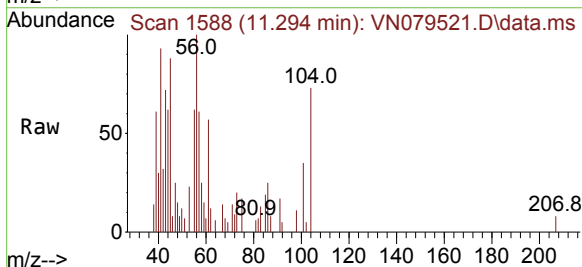
Acq: 11 Oct 2023 16:48

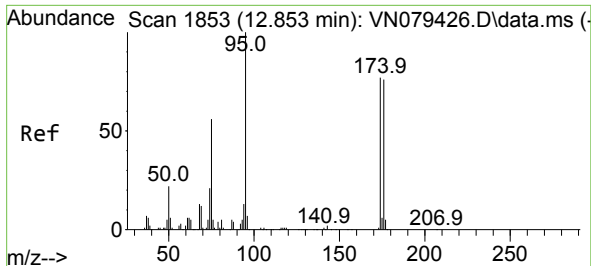
Tgt Ion: 43 Resp: 4322

Ion Ratio Lower Upper

43 100

58 55.5 31.7 95.1

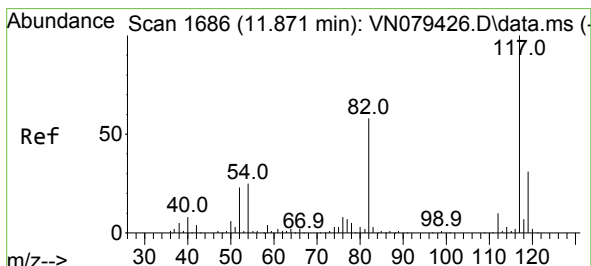
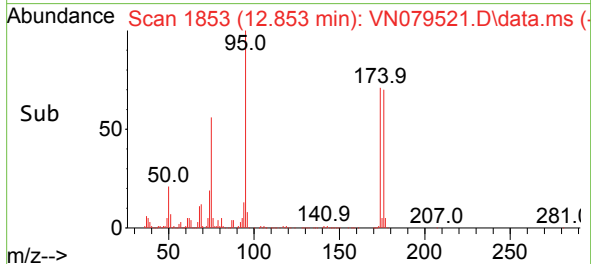
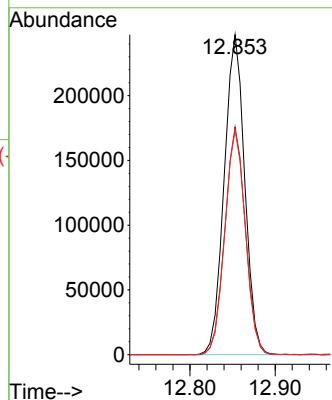
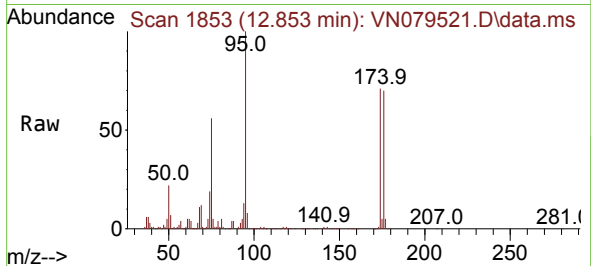




#62  
4-Bromofluorobenzene  
Concen: 56.484 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

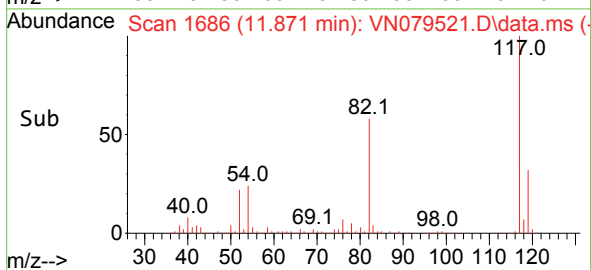
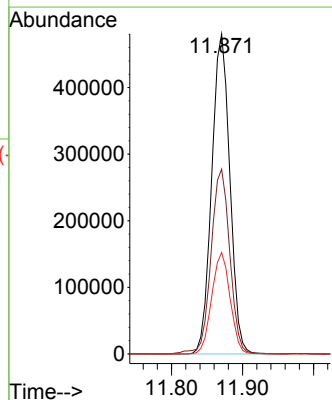
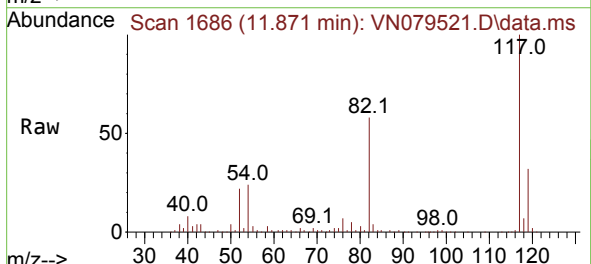
Instrument :  
MSVOA\_N  
ClientSampleId :

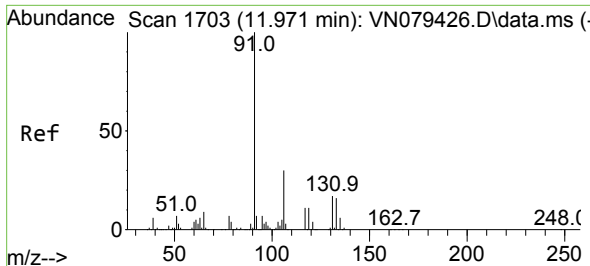
Tgt Ion: 95 Resp: 412993  
Ion Ratio Lower Upper  
95 100  
174 71.3 0.0 143.8  
176 70.2 0.0 135.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

Tgt Ion: 117 Resp: 849888  
Ion Ratio Lower Upper  
117 100  
82 57.7 44.0 66.0  
119 31.7 25.6 38.4

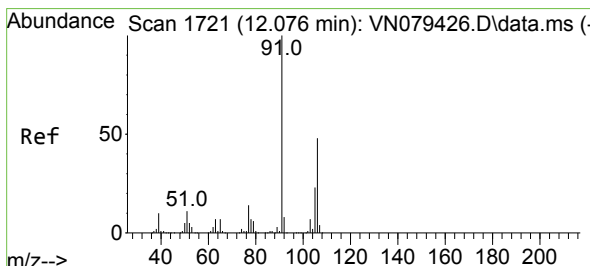
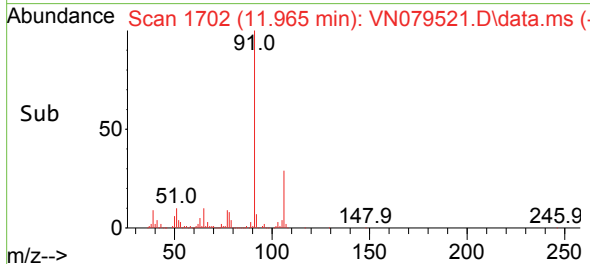
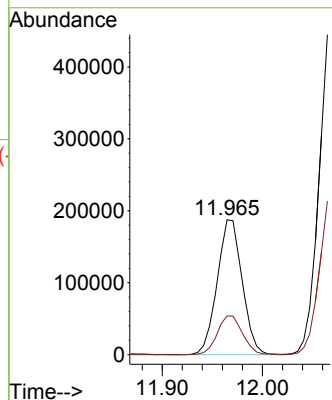
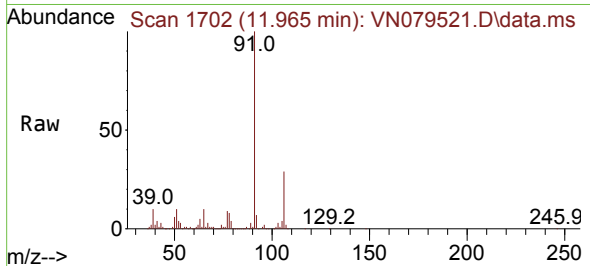




#67  
Ethyl Benzene  
Concen: 9.877 ug/l  
RT: 11.965 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

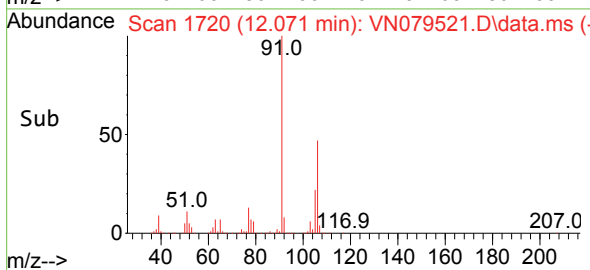
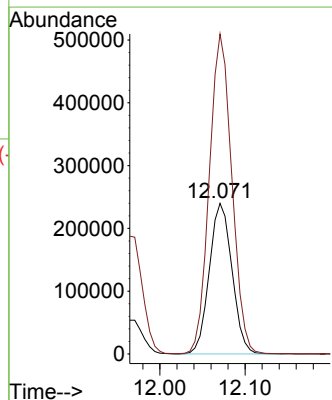
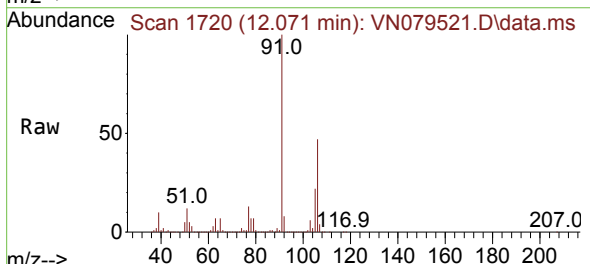
Instrument :  
MSVOA\_N  
ClientSampleId :

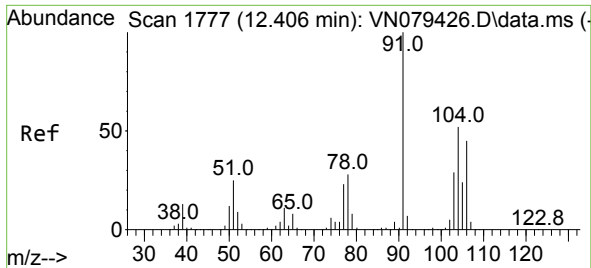
Tgt Ion: 91 Resp: 324924  
Ion Ratio Lower Upper  
91 100  
106 28.7 25.6 38.4



#68  
m/p-Xylenes  
Concen: 37.141 ug/l  
RT: 12.071 min Scan# 1720  
Delta R.T. -0.005 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

Tgt Ion:106 Resp: 443949  
Ion Ratio Lower Upper  
106 100  
91 211.2 159.6 239.4

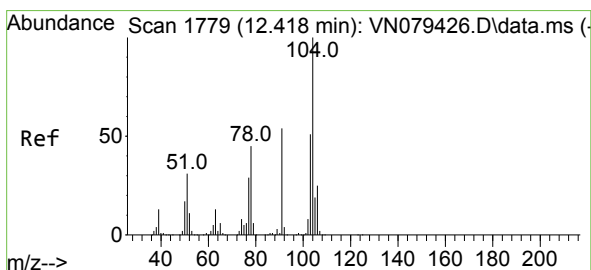
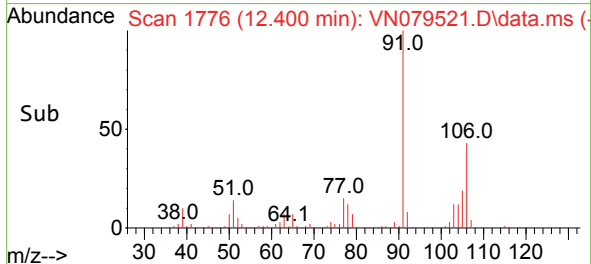
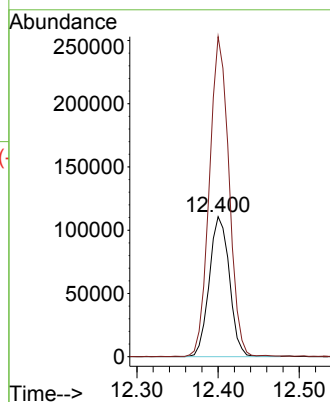
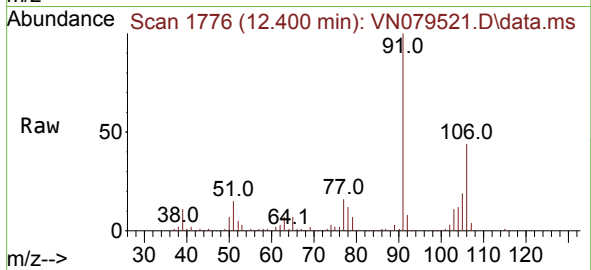




#69  
o-Xylene  
Concen: 16.211 ug/l  
RT: 12.400 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

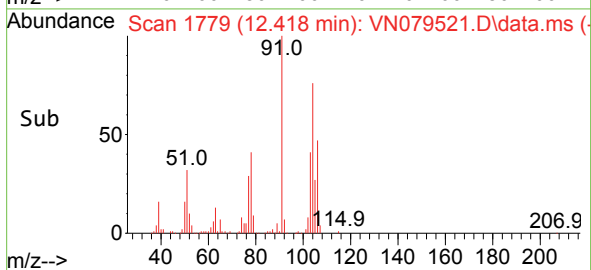
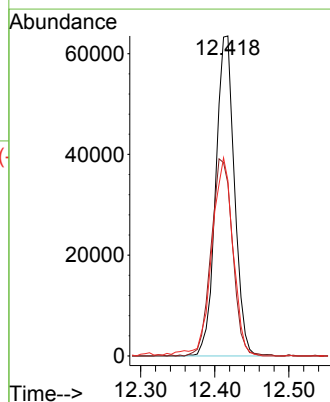
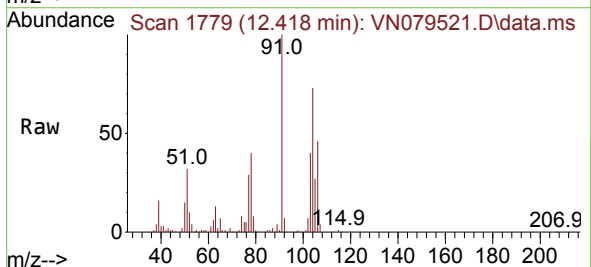
Instrument :  
MSVOA\_N  
ClientSampleId :

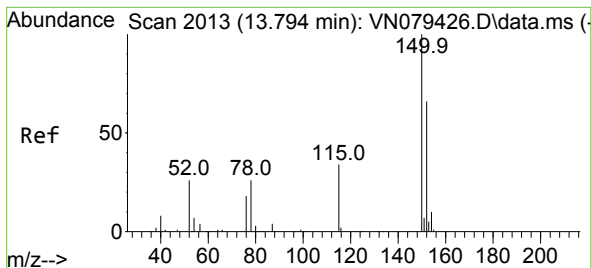
Tgt Ion:106 Resp: 190565  
Ion Ratio Lower Upper  
106 100  
91 223.8 105.2 315.5



#70  
Styrene  
Concen: 6.007 ug/l  
RT: 12.418 min Scan# 1779  
Delta R.T. -0.000 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

Tgt Ion:104 Resp: 111532  
Ion Ratio Lower Upper  
104 100  
78 70.6 39.5 59.3#  
103 70.2 43.2 64.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN079521.D

Acq: 11 Oct 2023 16:48

Instrument :

MSVOA\_N

ClientSampleId :

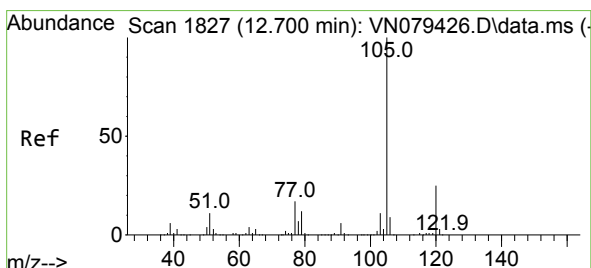
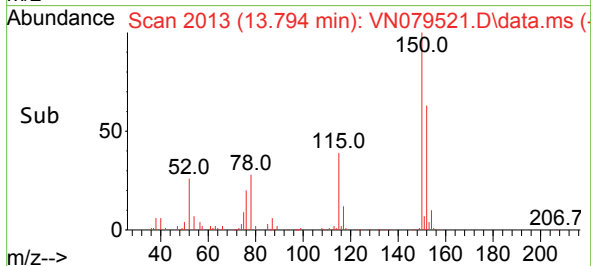
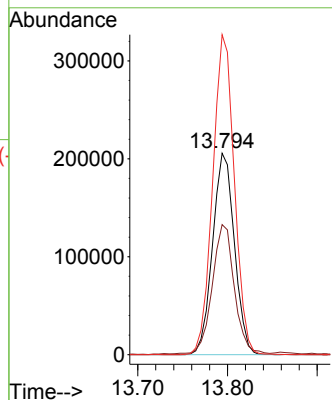
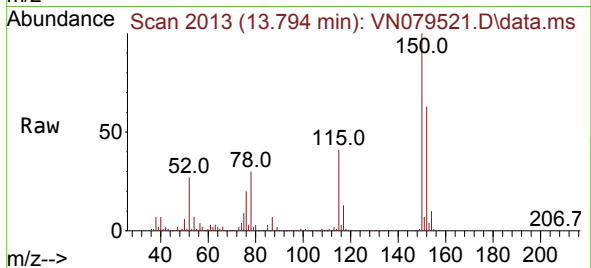
Tgt Ion:152 Resp: 347434

Ion Ratio Lower Upper

152 100

115 65.9 32.3 96.8

150 157.1 0.0 355.8



#73

Isopropylbenzene

Concen: 0.576 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. 0.000 min

Lab File: VN079521.D

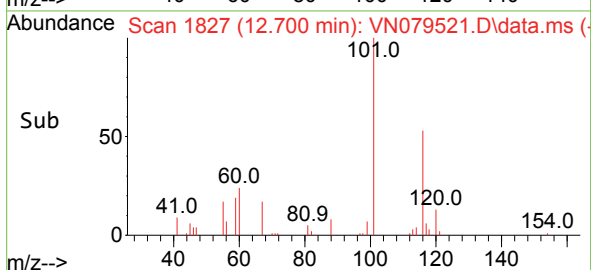
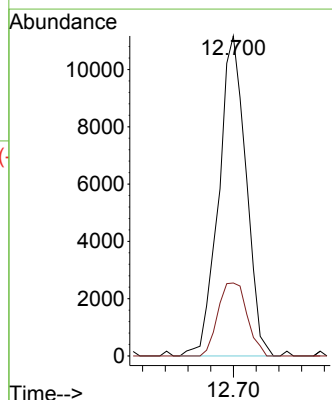
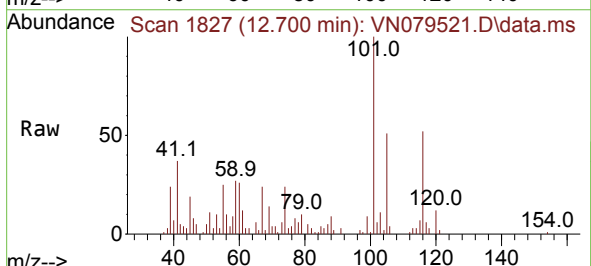
Acq: 11 Oct 2023 16:48

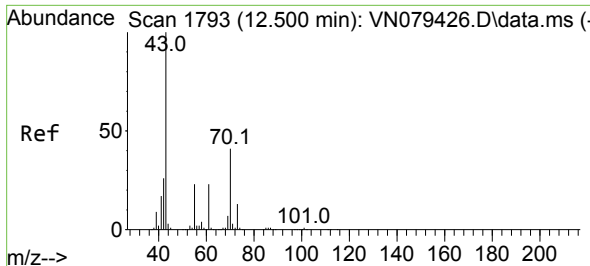
Tgt Ion:105 Resp: 18626

Ion Ratio Lower Upper

105 100

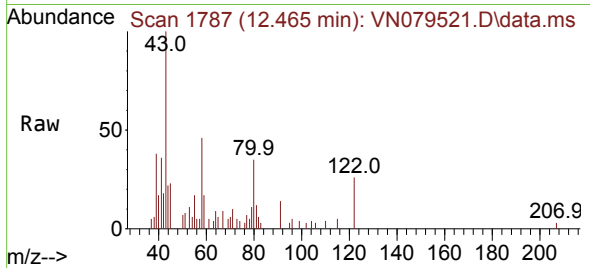
120 24.3 13.1 39.1



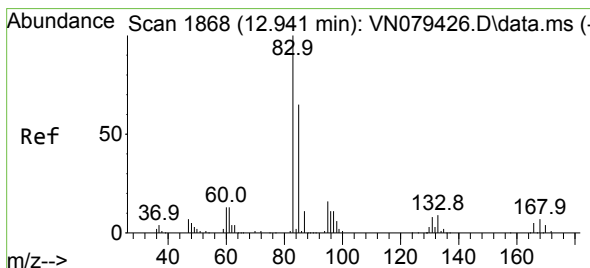
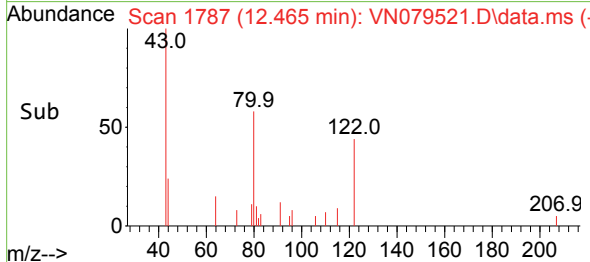
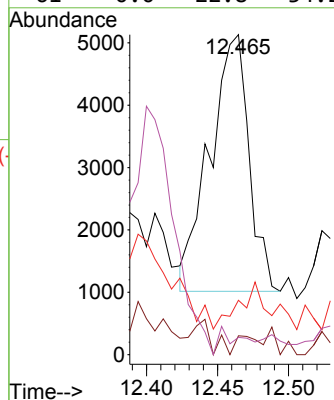


#74  
N-amy1 acetate  
Concen: 0.595 ug/l  
RT: 12.465 min Scan# 1  
Delta R.T. -0.035 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

Instrument :  
MSVOA\_N  
ClientSampleId :

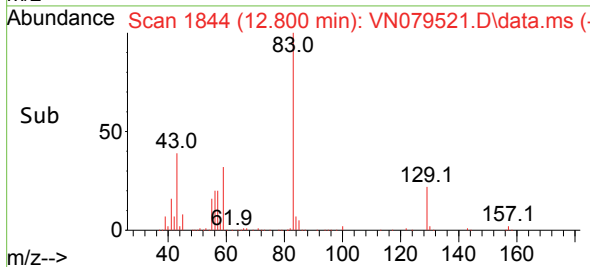
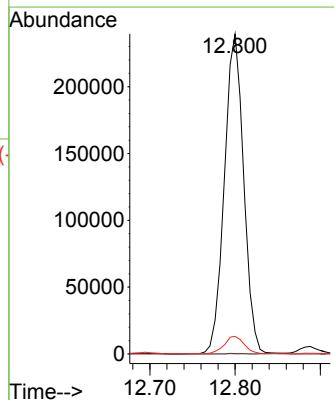
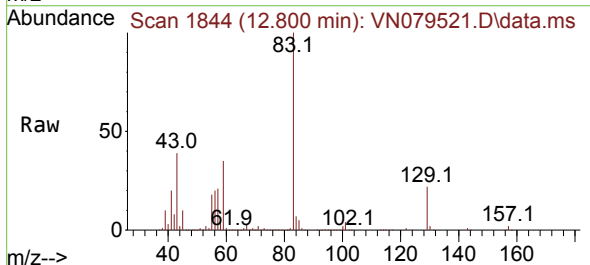


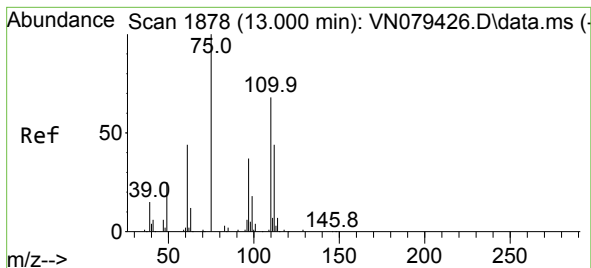
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 7888  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 70 4.5      | 43.4 65.2#  |
| 55 0.0      | 21.4 32.0#  |
| 61 0.0      | 22.8 34.2#  |



#75  
1,1,2,2-Tetrachloroethane  
Concen: 35.872 ug/l  
RT: 12.800 min Scan# 1844  
Delta R.T. -0.141 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

|             |              |
|-------------|--------------|
| Tgt Ion: 83 | Resp: 377832 |
| Ion Ratio   | Lower Upper  |
| 83 100      |              |
| 131 0.1     | 5.0 15.0#    |
| 85 5.9      | 31.9 95.7#   |





#76

1,2,3-Trichloropropane

Concen: 23.350 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079521.D

Acq: 11 Oct 2023 16:48

Instrument :

MSVOA\_N

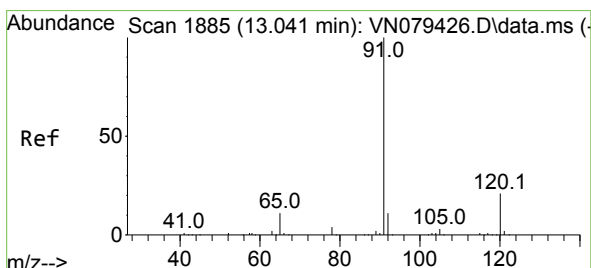
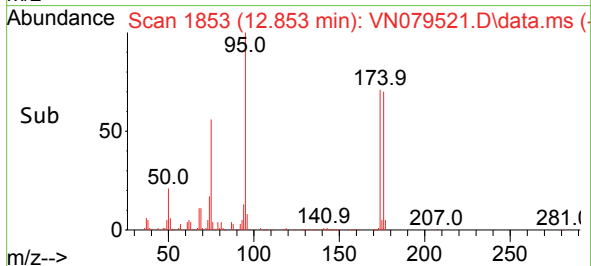
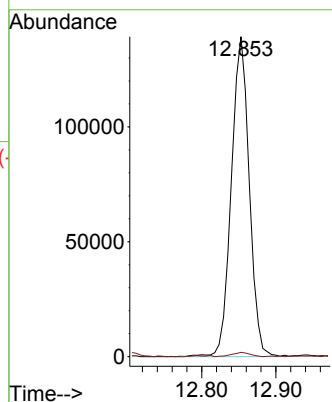
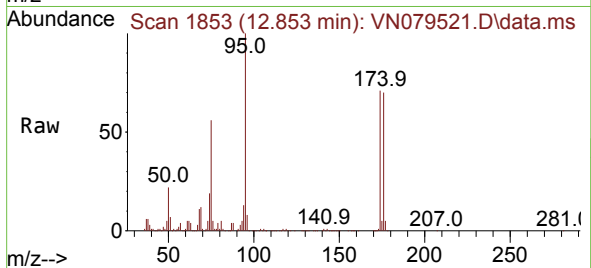
ClientSampleId :

Tgt Ion: 75 Resp: 233908

Ion Ratio Lower Upper

75 100

77 1.4 84.5 253.5#



#78

n-propylbenzene

Concen: 1.081 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VN079521.D

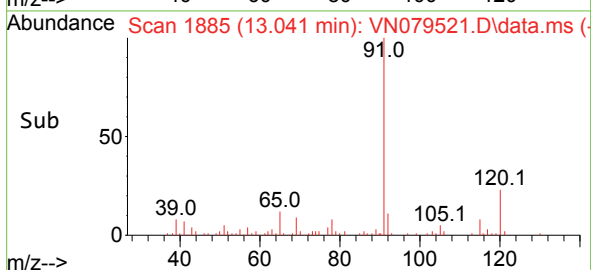
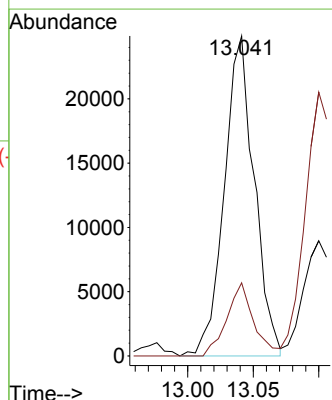
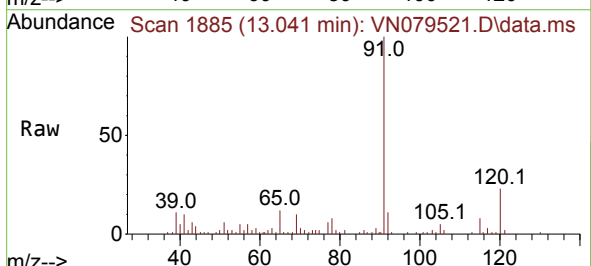
Acq: 11 Oct 2023 16:48

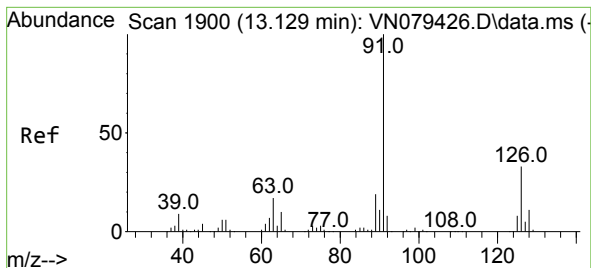
Tgt Ion: 91 Resp: 39524

Ion Ratio Lower Upper

91 100

120 20.6 11.5 34.4





#79

2-Chlorotoluene

Concen: 0.619 ug/l

RT: 13.100 min Scan# 11

Delta R.T. -0.029 min

Lab File: VN079521.D

Acq: 11 Oct 2023 16:48

Instrument :

MSVOA\_N

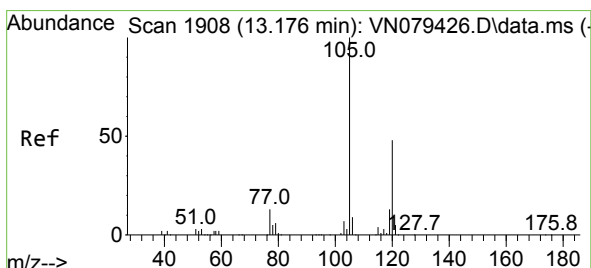
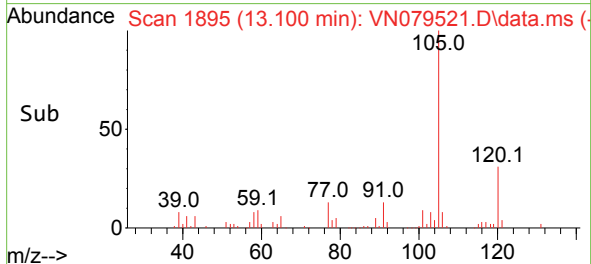
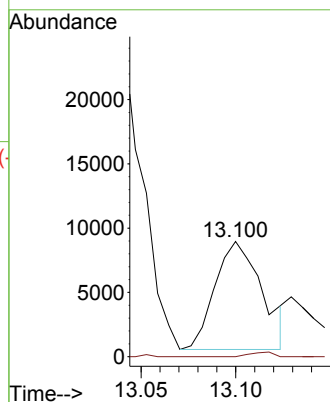
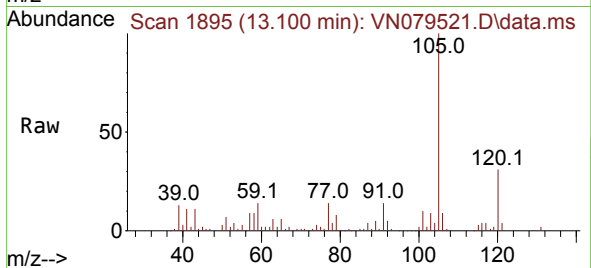
ClientSampleId :

Tgt Ion: 91 Resp: 14490

Ion Ratio Lower Upper

91 100

126 2.0 16.3 48.8#



#80

1,3,5-Trimethylbenzene

Concen: 2.416 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN079521.D

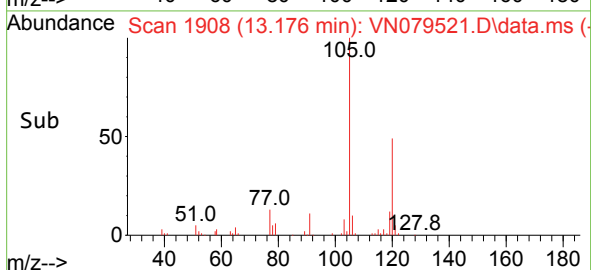
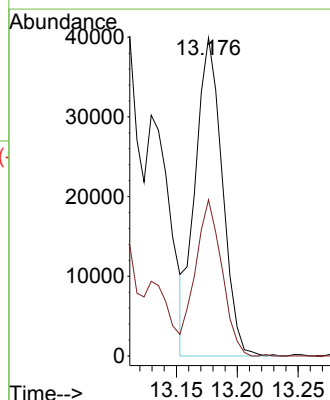
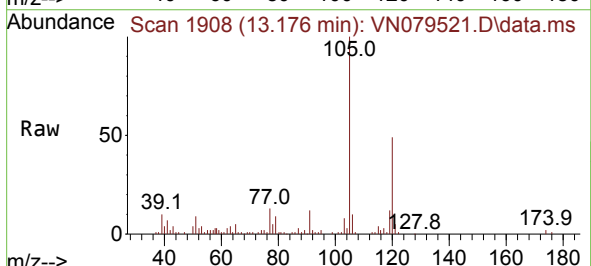
Acq: 11 Oct 2023 16:48

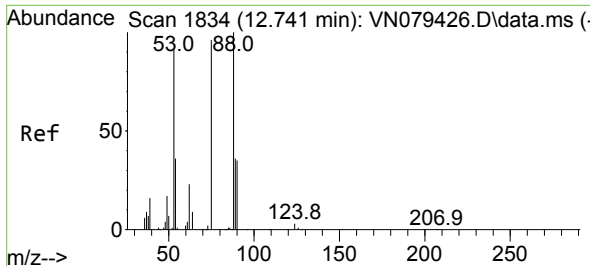
Tgt Ion:105 Resp: 61567

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.3

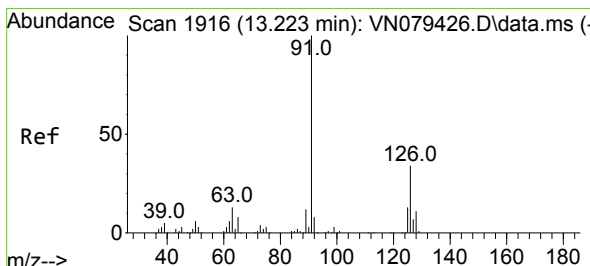
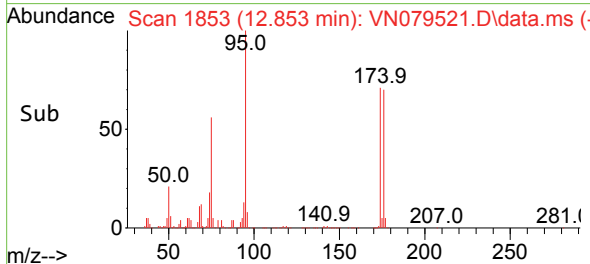
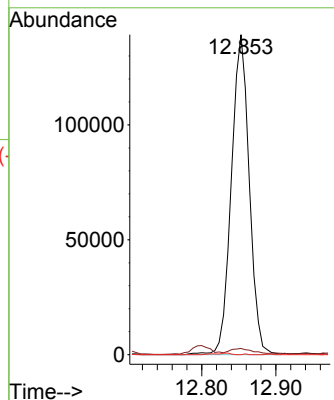
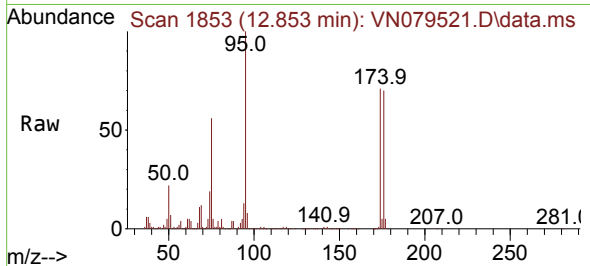




#81  
trans-1,4-Dichloro-2-butene  
Concen: 67.751 ug/l  
RT: 12.853 min Scan# 11  
Delta R.T. 0.112 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

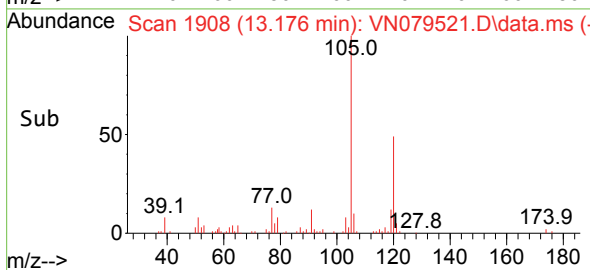
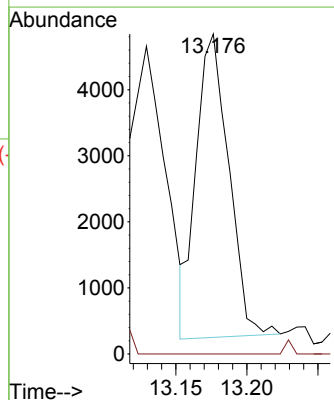
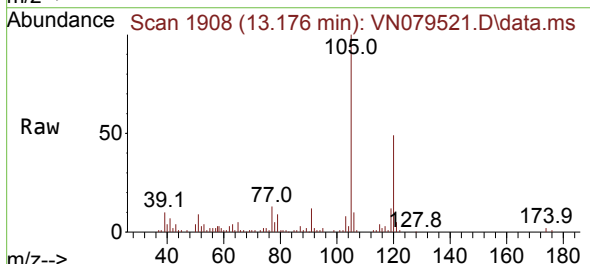
Instrument :  
MSVOA\_N  
ClientSampleId :

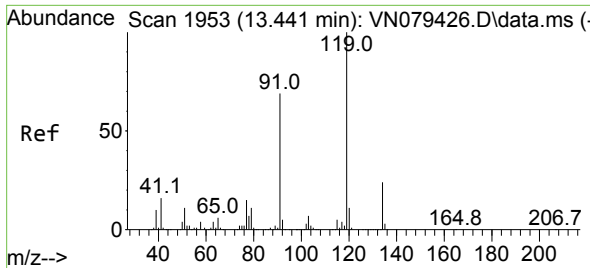
Tgt Ion: 75 Resp: 233908  
Ion Ratio Lower Upper  
75 100  
53 1.7 67.4 101.2#  
89 0.1 38.8 58.2#



#82  
4-Chlorotoluene  
Concen: 0.329 ug/l  
RT: 13.176 min Scan# 1908  
Delta R.T. -0.047 min  
Lab File: VN079521.D  
Acq: 11 Oct 2023 16:48

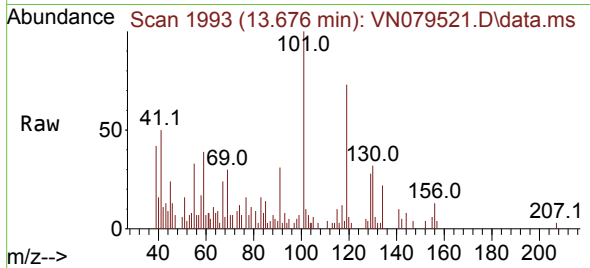
Tgt Ion: 91 Resp: 7319  
Ion Ratio Lower Upper  
91 100  
126 0.0 16.7 50.0#



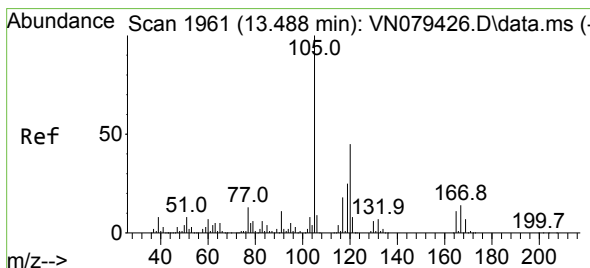
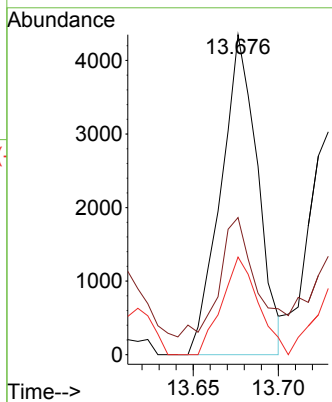
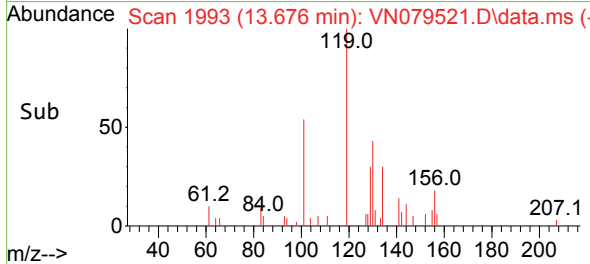


#83  
 tert-Butylbenzene  
 Concen: 0.312 ug/l  
 RT: 13.676 min Scan# 1953  
 Delta R.T. 0.235 min  
 Lab File: VN079521.D  
 Acq: 11 Oct 2023 16:48

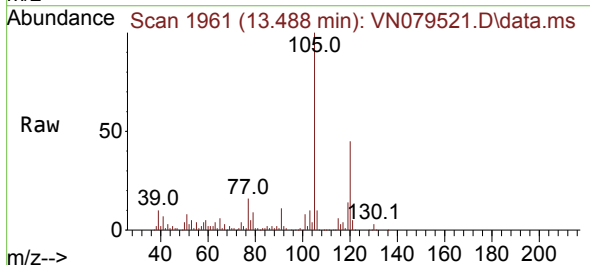
Instrument :  
 MSVOA\_N  
 ClientSampleId :



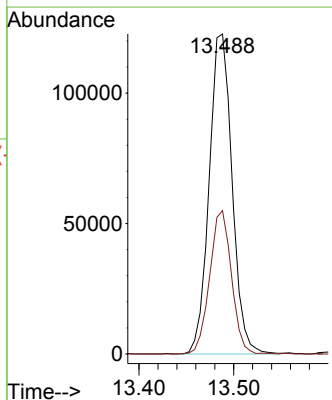
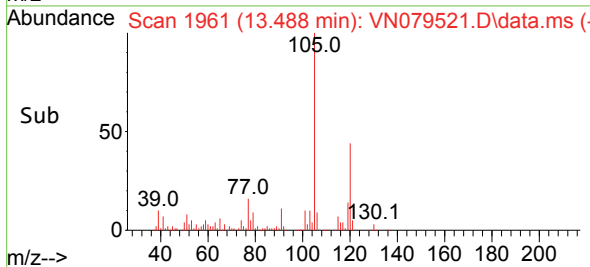
Tgt Ion:119 Resp: 6522  
 Ion Ratio Lower Upper  
 119 100  
 91 37.2 33.9 101.7  
 134 30.2 13.2 39.6

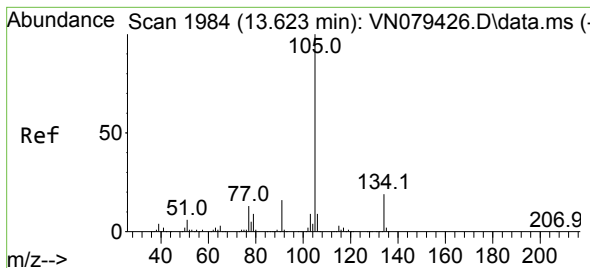


#84  
 1,2,4-Trimethylbenzene  
 Concen: 8.485 ug/l  
 RT: 13.488 min Scan# 1961  
 Delta R.T. 0.000 min  
 Lab File: VN079521.D  
 Acq: 11 Oct 2023 16:48



Tgt Ion:105 Resp: 206385  
 Ion Ratio Lower Upper  
 105 100  
 120 42.5 22.0 66.0





#85

sec-Butylbenzene

Concen: 7.086 ug/l

RT: 13.488 min Scan# 1984

Delta R.T. -0.135 min

Lab File: VN079521.D

Acq: 11 Oct 2023 16:48

Instrument :

MSVOA\_N

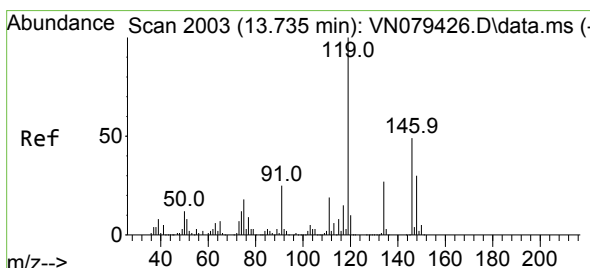
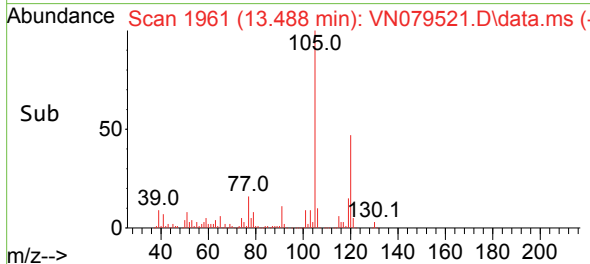
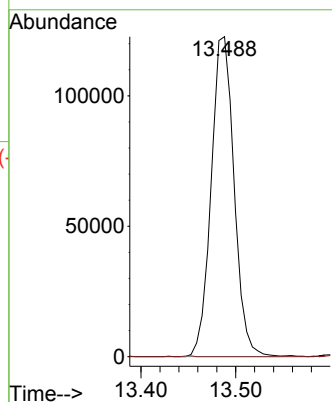
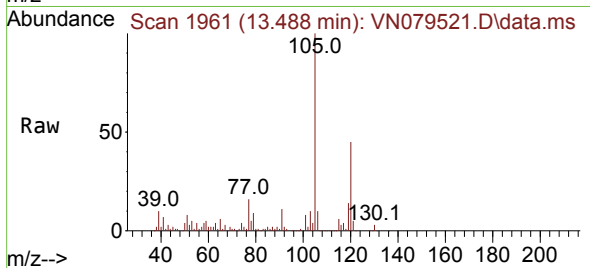
ClientSampleId :

Tgt Ion:105 Resp: 206385

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.3#



#86

p-Isopropyltoluene

Concen: 0.264 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.006 min

Lab File: VN079521.D

Acq: 11 Oct 2023 16:48

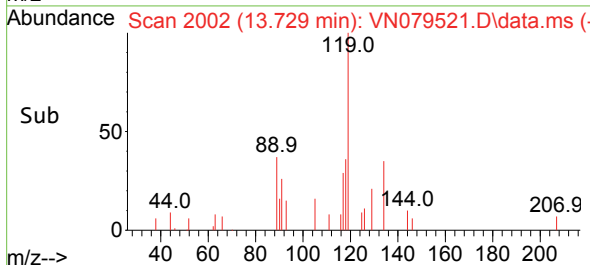
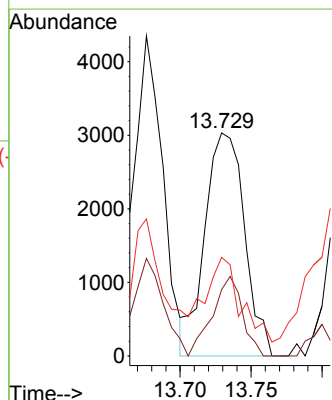
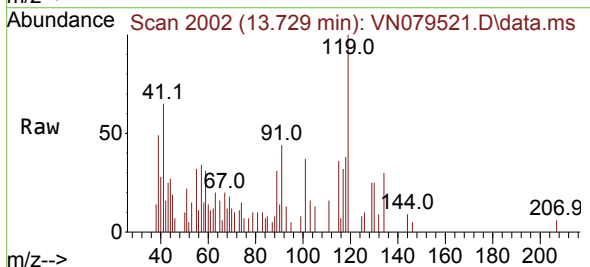
Tgt Ion:119 Resp: 5896

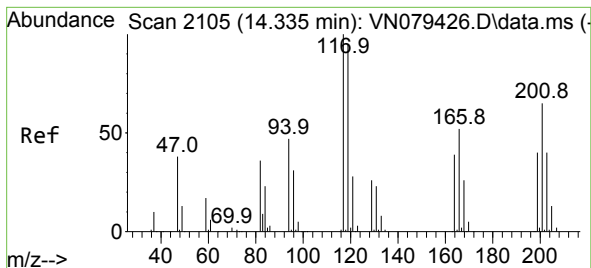
Ion Ratio Lower Upper

119 100

134 27.0 12.6 37.8

91 33.1 12.4 37.2





#90

Hexachloroethane

Concen: 0.383 ug/l

RT: 14.282 min Scan# 2105

Delta R.T. -0.053 min

Lab File: VN079521.D

Acq: 11 Oct 2023 16:48

Instrument :

MSVOA\_N

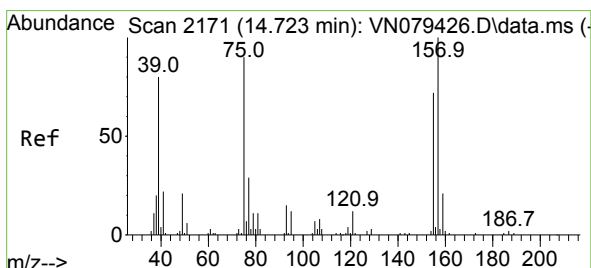
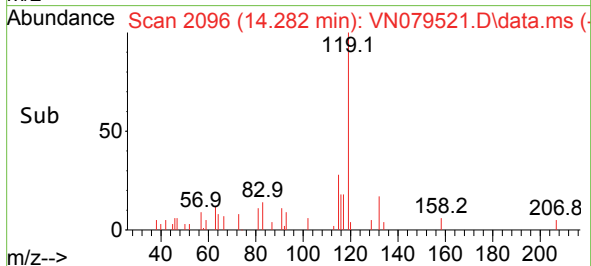
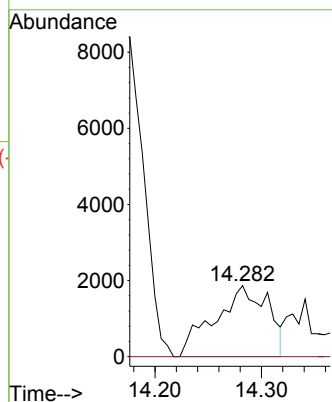
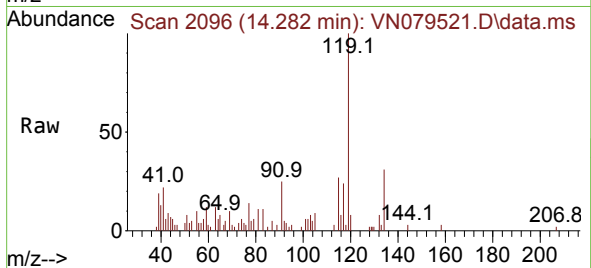
ClientSampleId :

Tgt Ion:117 Resp: 6442

Ion Ratio Lower Upper

117 100

201 0.0 29.3 88.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.335 ug/l

RT: 14.723 min Scan# 2171

Delta R.T. 0.000 min

Lab File: VN079521.D

Acq: 11 Oct 2023 16:48

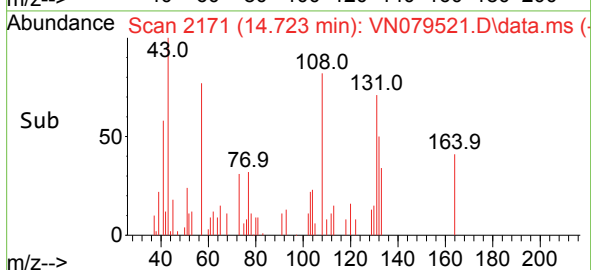
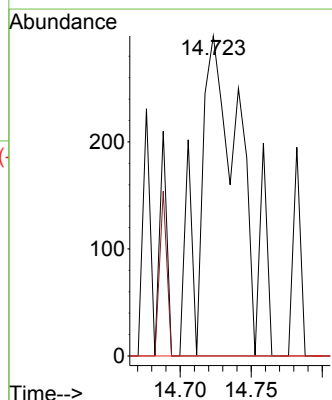
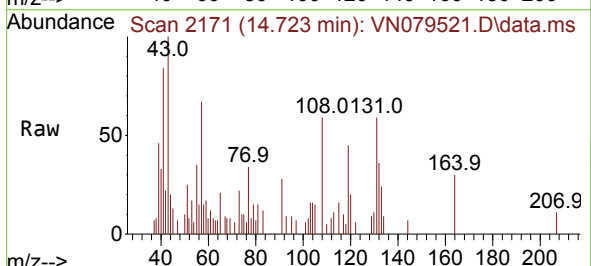
Tgt Ion: 75 Resp: 626

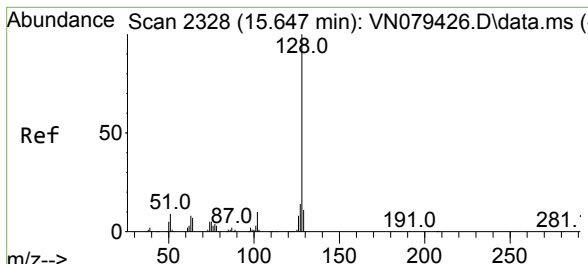
Ion Ratio Lower Upper

75 100

155 0.0 39.1 117.2#

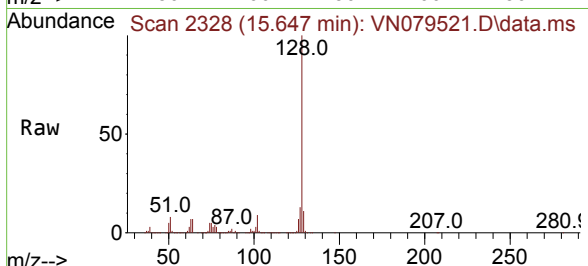
157 0.0 50.3 150.9#





#95  
 Naphthalene  
 Concen: 265.508 ug/l  
 RT: 15.647 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VN079521.D  
 Acq: 11 Oct 2023 16:48

Instrument :  
 MSVOA\_N  
 ClientSampleId :



Tgt Ion:128 Resp: 3078966

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.1  | 10.0  | 15.0  |
| 129 | 10.9  | 8.7   | 13.1  |

