

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091224\  
 Data File : VN083823.D  
 Acq On : 12 Sep 2024 11:20  
 Operator : JC\MD  
 Sample : P3913-04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 9424-A-C

Quant Time: Sep 12 16:45:16 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 11 15:18:56 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.218  | 168  | 126908   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 264254   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 295965   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 155975   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 100445   | 52.490   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 104.980% |      |
| 35) Dibromofluoromethane    | 8.165  | 113   | 79629    | 47.070   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 94.140%  |      |
| 50) Toluene-d8              | 10.565 | 98    | 293325   | 50.155   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 100.300% |      |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 143502   | 59.473   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | = 118.940% |      |

|                               |        |     |        |           |        |    |
|-------------------------------|--------|-----|--------|-----------|--------|----|
| Target Compounds              |        |     | Qvalue |           |        |    |
| 3) Chloromethane              | 2.354  | 50  | 1230   | Below Cal | #      | 41 |
| 5) Bromomethane               | 2.912  | 94  | 400    | 0.431     | ug/l # | 66 |
| 6) Chloroethane               | 2.901  | 64  | 671    | 0.592     | ug/l # | 64 |
| 11) Tert butyl alcohol        | 5.524  | 59  | 7095   | 27.688    | ug/l # | 93 |
| 13) Acrolein                  | 4.183  | 56  | 541    | 2.140     | ug/l # | 67 |
| 16) Acetone                   | 4.430  | 43  | 221710 | 289.019   | ug/l   | 99 |
| 17) Carbon Disulfide          | 4.701  | 76  | 2248   | 0.585     | ug/l # | 75 |
| 18) Methyl Acetate            | 5.024  | 43  | 3969   | 0.652     | ug/l # | 64 |
| 20) Methylene Chloride        | 5.271  | 84  | 450    | 0.287     | ug/l # | 61 |
| 25) 2-Butanone                | 7.483  | 43  | 152531 | 151.283   | ug/l   | 98 |
| 28) Bromochloromethane        | 7.806  | 49  | 311    | 0.255     | ug/l # | 14 |
| 29) Tetrahydrofuran           | 7.783  | 42  | 4967   | 8.332     | ug/l # | 62 |
| 31) Cyclohexane               | 8.218  | 56  | 3616   | 1.307     | ug/l # | 30 |
| 36) 1,1-Dichloropropene       | 8.218  | 75  | 11478  | 4.508     | ug/l # | 50 |
| 37) Ethyl Acetate             | 7.483  | 43  | 152531 | 65.995    | ug/l # | 68 |
| 38) Carbon Tetrachloride      | 8.224  | 117 | 14425  | 4.994     | ug/l # | 16 |
| 40) Benzene                   | 8.612  | 78  | 3973   | 0.518     | ug/l # | 83 |
| 41) Methacrylonitrile         | 7.794  | 41  | 22605  | 16.536    | ug/l # | 46 |
| 43) Isopropyl Acetate         | 8.536  | 43  | 399594 | 95.406    | ug/l # | 57 |
| 48) Methyl methacrylate       | 9.653  | 41  | 49181  | 24.750    | ug/l # | 48 |
| 49) 1,4-Dioxane               | 9.700  | 88  | 1086   | 33.222    | ug/l # | 14 |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43  | 1851   | 0.812     | ug/l # | 65 |
| 52) Toluene                   | 10.630 | 92  | 7757   | 1.655     | ug/l   | 96 |
| 53) t-1,3-Dichloropropene     | 10.841 | 75  | 717    | 0.252     | ug/l # | 42 |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63  | 435    | 0.448     | ug/l # | 46 |
| 59) 2-Hexanone                | 11.194 | 43  | 4336   | 2.571     | ug/l   | 75 |
| 65) Chlorobenzene             | 11.888 | 112 | 1871   | 0.284     | ug/l   | 95 |
| 67) Ethyl Benzene             | 11.971 | 91  | 9846   | 0.843     | ug/l # | 62 |
| 68) m/p-Xylenes               | 12.065 | 106 | 10550  | 2.432     | ug/l   | 96 |
| 69) o-Xylene                  | 12.394 | 106 | 4308   | 1.026     | ug/l   | 97 |
| 70) Styrene                   | 12.406 | 104 | 7434   | 1.079     | ug/l   | 99 |
| 74) N-amyl acetate            | 12.459 | 43  | 12888  | 2.503     | ug/l # | 43 |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75  | 80537  | 25.590    | ug/l # | 1  |
| 77) Bromobenzene              | 12.976 | 156 | 938    | 0.323     | ug/l   | 92 |
| 78) n-propylbenzene           | 13.035 | 91  | 12394  | 0.883     | ug/l # | 70 |
| 79) 2-Chlorotoluene           | 13.124 | 91  | 2824   | 0.315     | ug/l   | 95 |

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 Sample : P3913-04  
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 Quant Title : SW846 8260  
 QLast Update : Wed Sep 11 15:18:56 2024  
 Response via : Initial Calibration

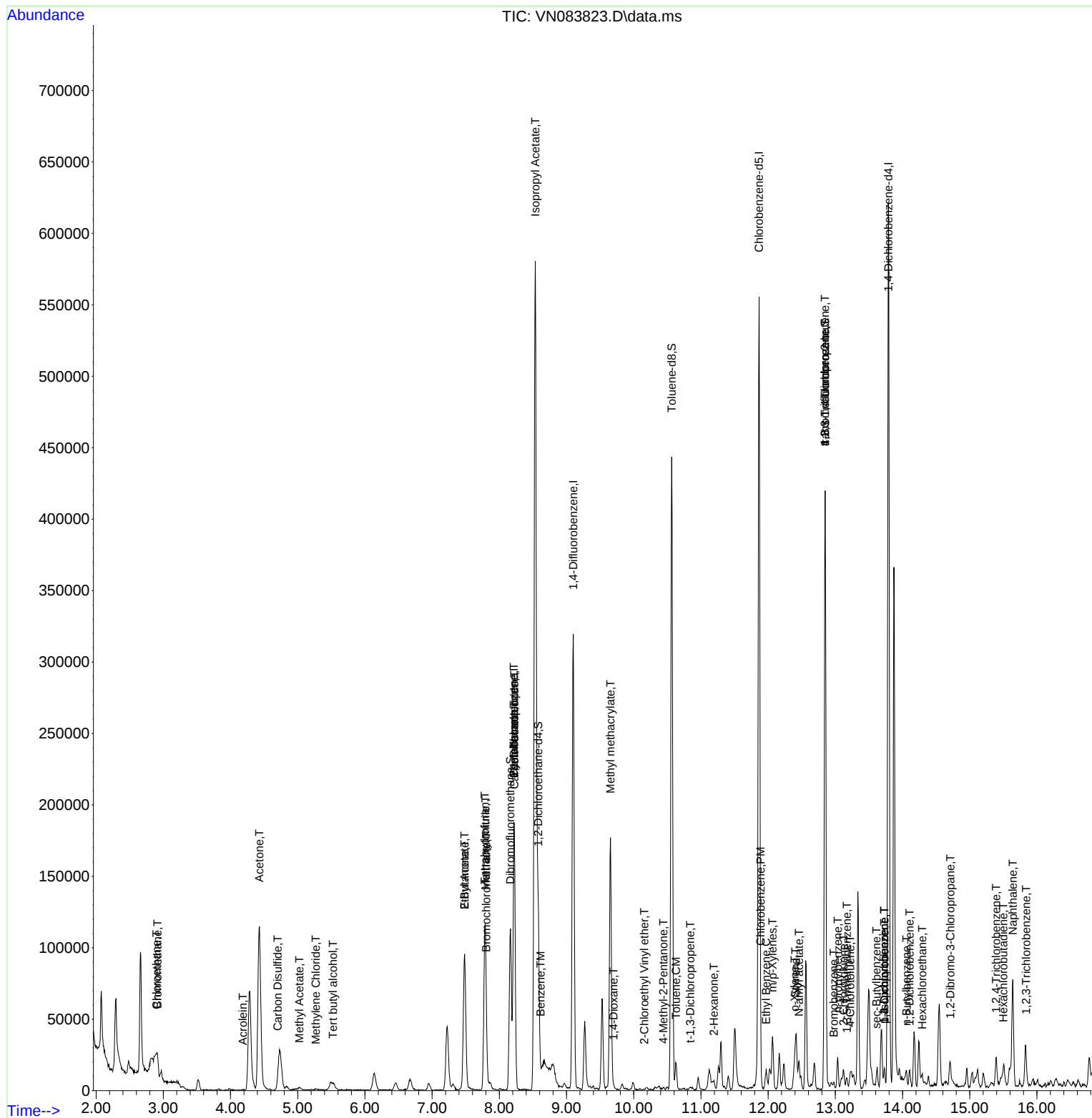
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| 80) 1,3,5-Trimethylbenzene    | 13.171 | 105  | 3920     | 0.385  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75   | 80537    | 67.021 | ug/l # | 9        |
| 82) 4-Chlorotoluene           | 13.224 | 91   | 4467     | 0.497  | ug/l   | 92       |
| 85) sec-Butylbenzene          | 13.612 | 105  | 3833     | 0.325  | ug/l   | 85       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 3191     | 0.322  | ug/l   | 83       |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 2977     | 0.543  | ug/l   | 94       |
| 88) 1,4-Dichlorobenzene       | 13.729 | 146  | 2977     | 0.536  | ug/l   | 94       |
| 89) n-Butylbenzene            | 14.059 | 91   | 5989     | 0.674  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.294 | 117  | 1774     | 0.892  | ug/l # | 17       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 2390     | 0.452  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.712 | 75   | 283      | 0.400  | ug/l # | 31       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 3555     | 1.252  | ug/l   | 87       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 669      | 0.555  | ug/l   | 91       |
| 95) Naphthalene               | 15.641 | 128  | 58512    | 6.774  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 3331     | 1.228  | ug/l   | 95       |
| -----                         |        |      |          |        |        |          |

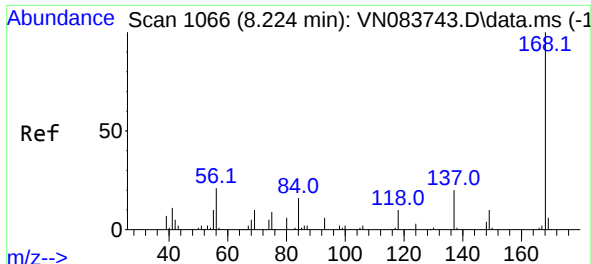
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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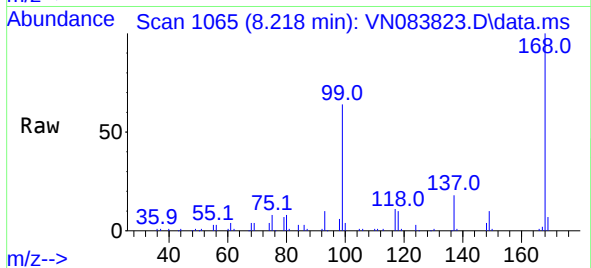
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 11 15:18:56 2024  
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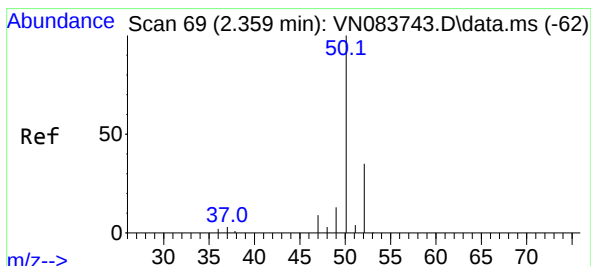
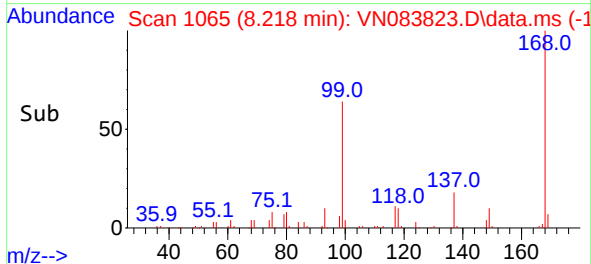
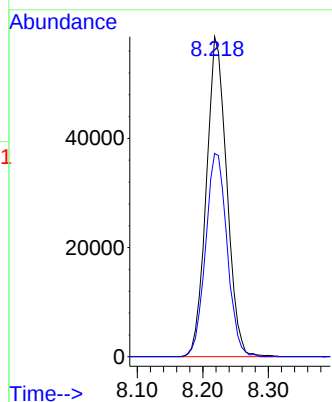


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 10  
Delta R.T. -0.006 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

Instrument :  
MSVOA\_N  
ClientSampleId :  
9424-A-C

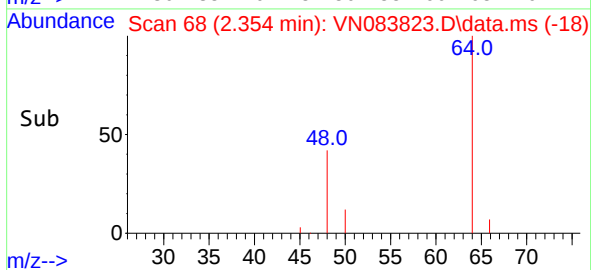
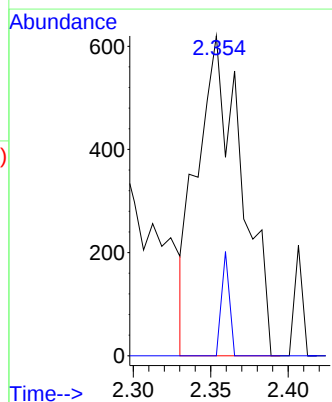
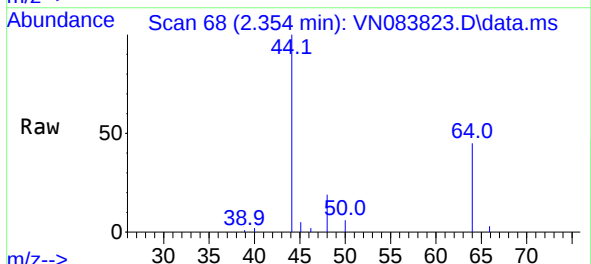


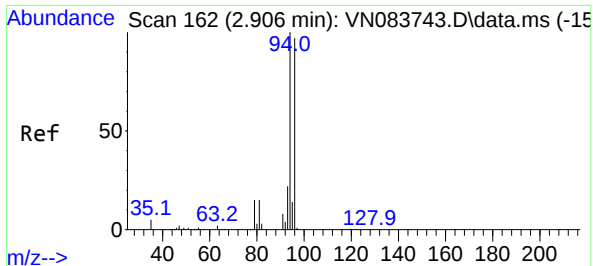
Tgt Ion:168 Resp: 126908  
Ion Ratio Lower Upper  
168 100  
99 63.5 54.2 81.2



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.354 min Scan# 68  
Delta R.T. -0.005 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

Tgt Ion: 50 Resp: 1230  
Ion Ratio Lower Upper  
50 100  
52 0.0 27.2 40.8#

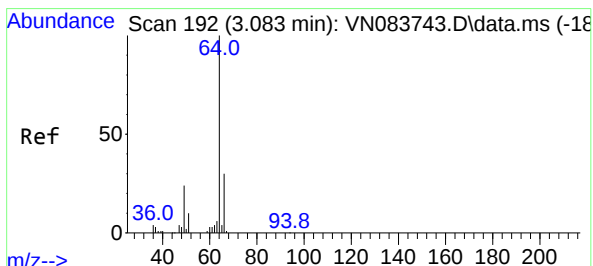
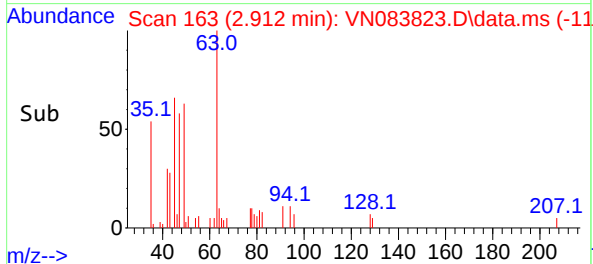
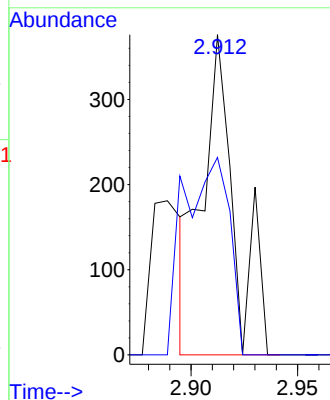
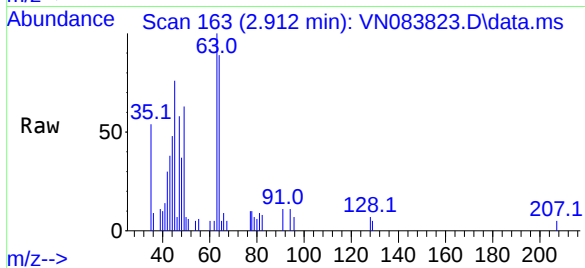




#5  
Bromomethane  
Concen: 0.431 ug/l  
RT: 2.912 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

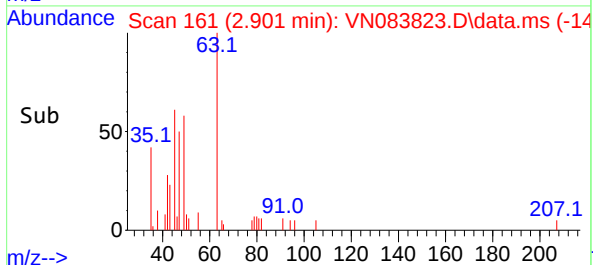
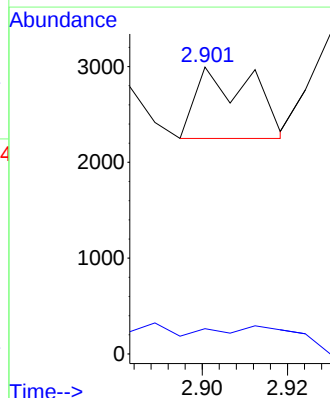
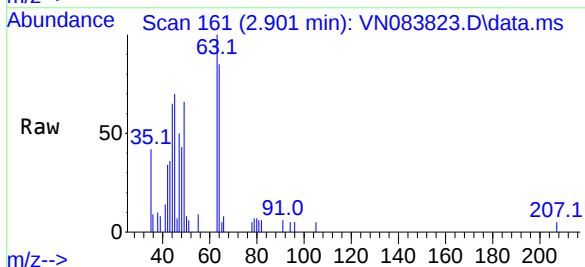
Instrument :  
MSVOA\_N  
ClientSampleId :  
9424-A-C

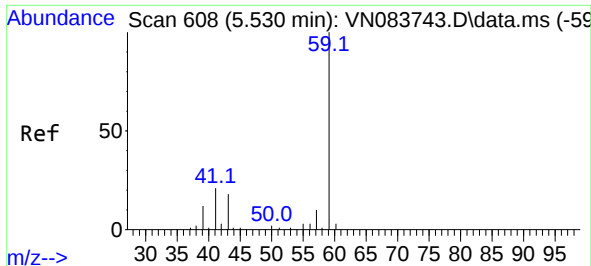
Tgt Ion: 94 Resp: 400  
Ion Ratio Lower Upper  
94 100  
96 61.7 76.0 114.0#



#6  
Chloroethane  
Concen: 0.592 ug/l  
RT: 2.901 min Scan# 161  
Delta R.T. -0.182 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

Tgt Ion: 64 Resp: 671  
Ion Ratio Lower Upper  
64 100  
66 10.5 23.9 35.9#

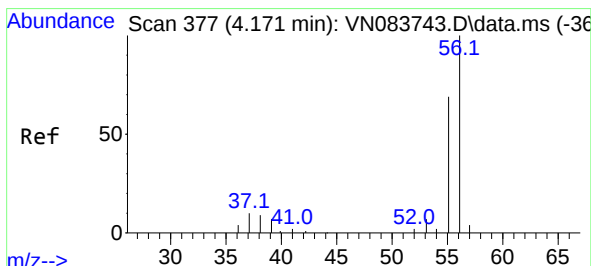
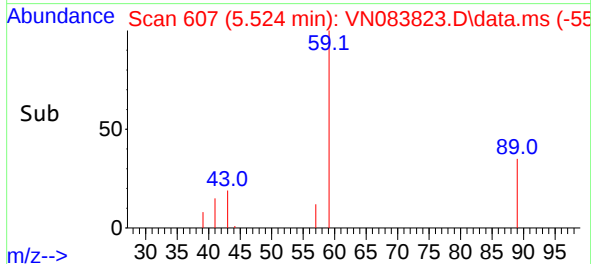
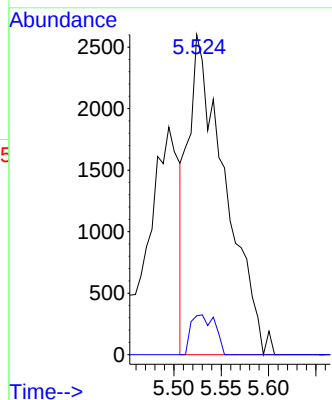
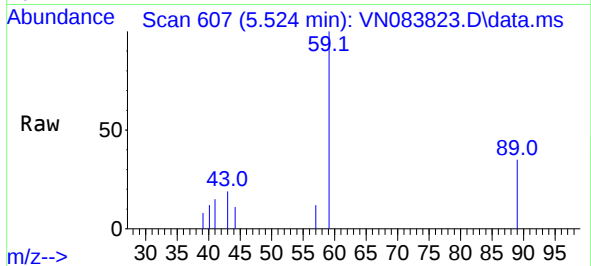




#11  
Tert butyl alcohol  
Concen: 27.688 ug/l  
RT: 5.524 min Scan# 608  
Delta R.T. -0.006 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

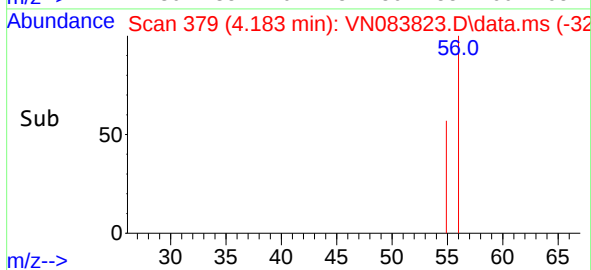
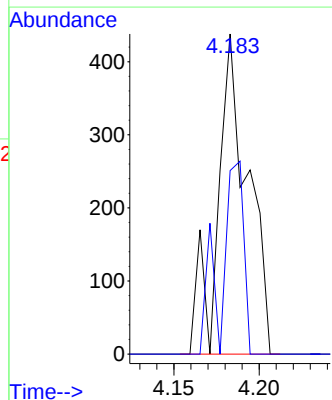
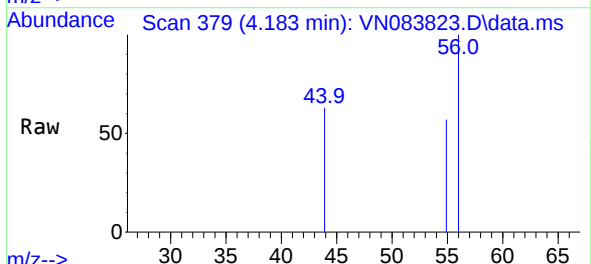
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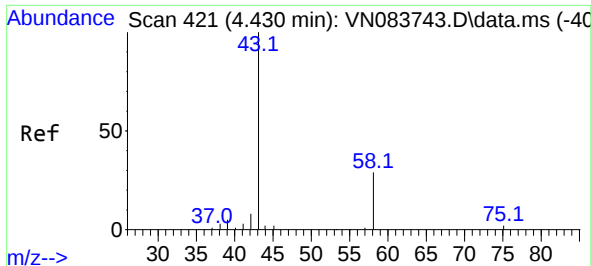
Tgt Ion: 59 Resp: 7095  
Ion Ratio Lower Upper  
59 100  
57 8.1 8.7 13.1#



#13  
Acrolein  
Concen: 2.140 ug/l  
RT: 4.183 min Scan# 379  
Delta R.T. 0.012 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

Tgt Ion: 56 Resp: 541  
Ion Ratio Lower Upper  
56 100  
55 45.3 58.2 87.2#

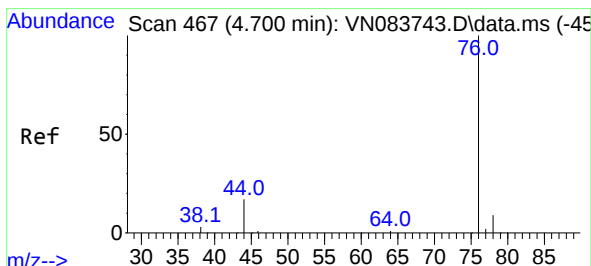
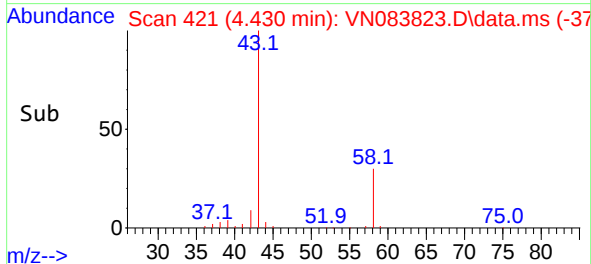
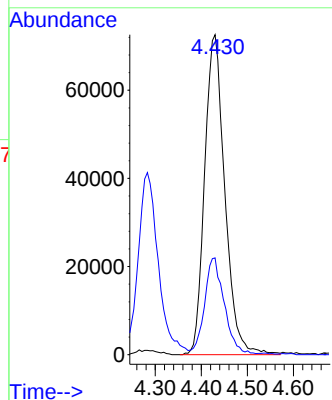
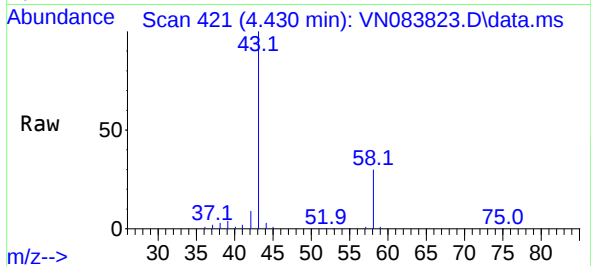




#16  
Acetone  
Concen: 289.019 ug/l  
RT: 4.430 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

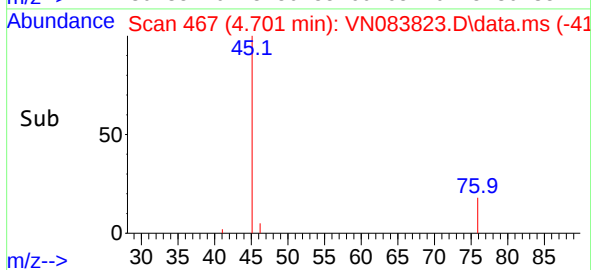
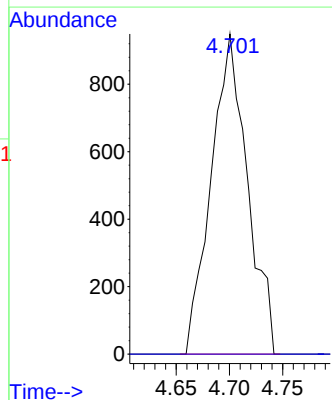
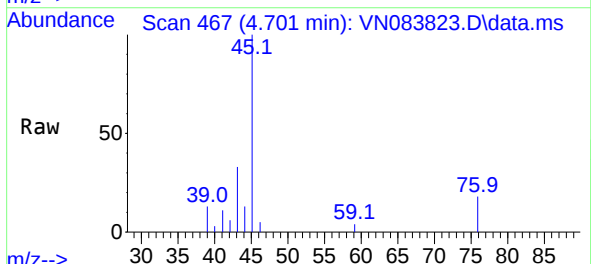
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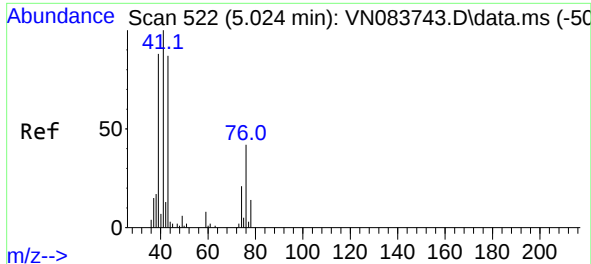
Tgt Ion: 43 Resp: 221710  
Ion Ratio Lower Upper  
43 100  
58 30.0 23.7 35.5



#17  
Carbon Disulfide  
Concen: 0.585 ug/l  
RT: 4.701 min Scan# 467  
Delta R.T. 0.000 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

Tgt Ion: 76 Resp: 2248  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.1 10.7#

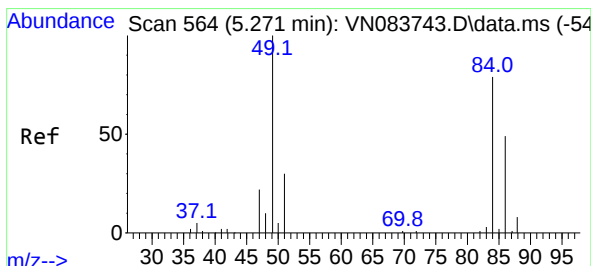
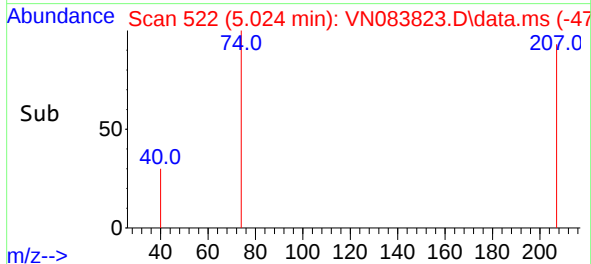
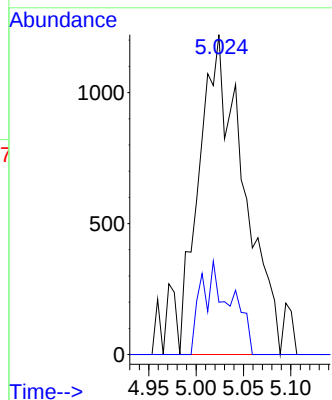
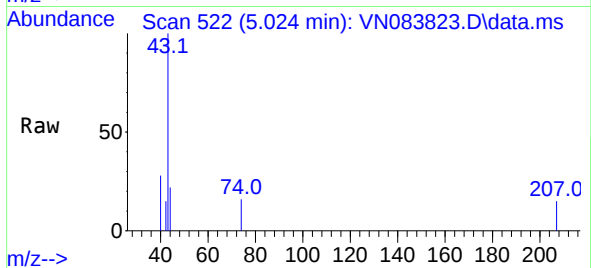




#18  
Methyl Acetate  
Concen: 0.652 ug/l  
RT: 5.024 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

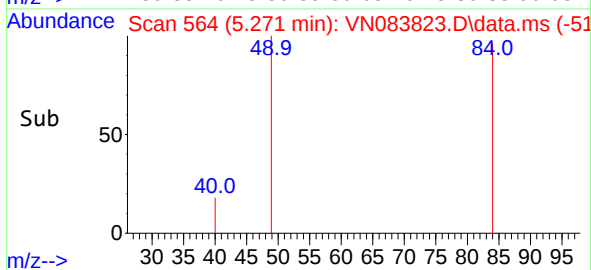
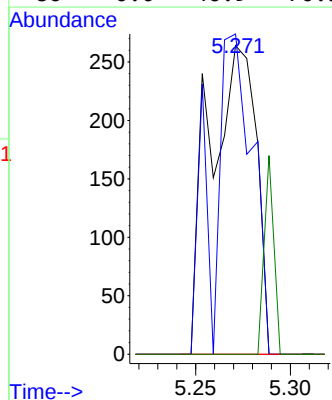
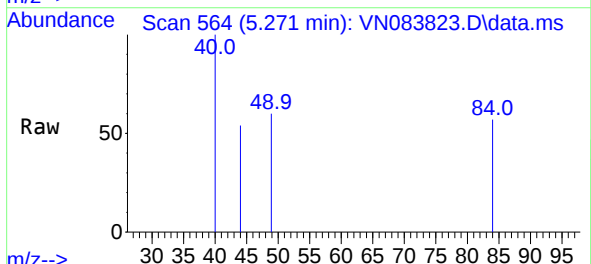
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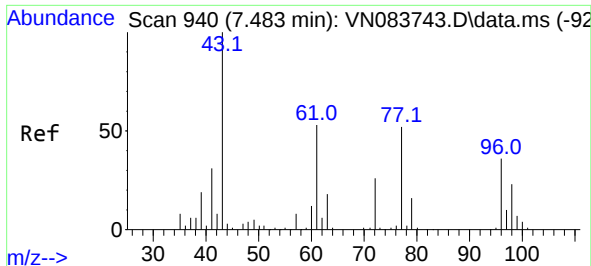
Tgt Ion: 43 Resp: 3969  
Ion Ratio Lower Upper  
43 100  
74 6.0 19.0 28.4#



#20  
Methylene Chloride  
Concen: 0.287 ug/l  
RT: 5.271 min Scan# 564  
Delta R.T. 0.000 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

Tgt Ion: 84 Resp: 450  
Ion Ratio Lower Upper  
84 100  
49 103.8 93.4 140.0  
51 0.0 29.2 43.8#  
86 0.0 46.9 70.3#

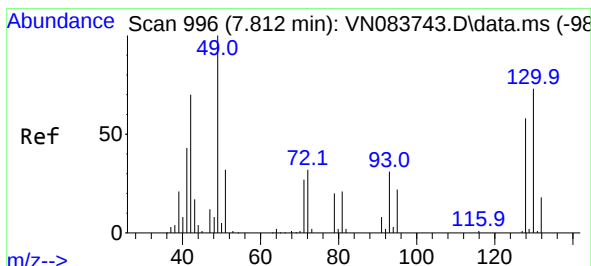
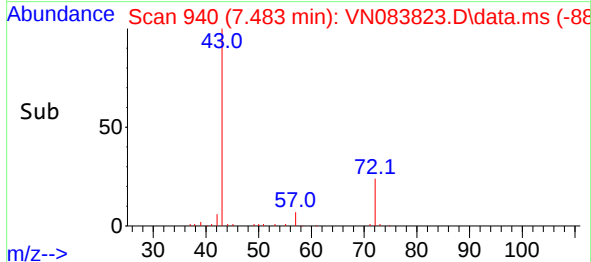
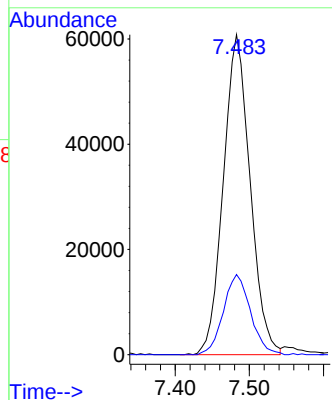
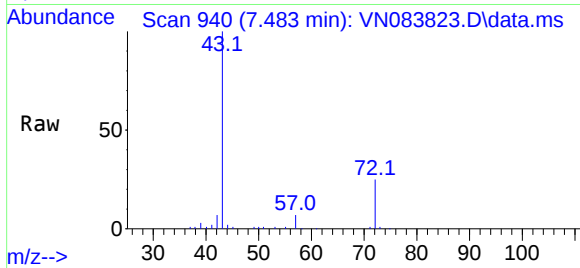




#25  
2-Butanone  
Concen: 151.283 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.000 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

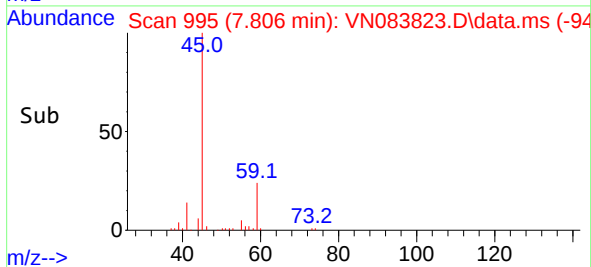
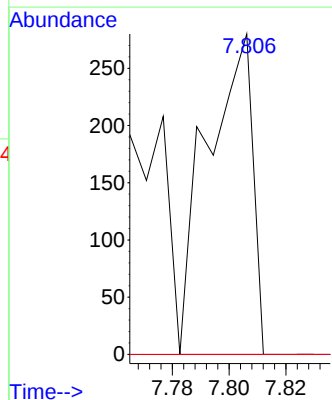
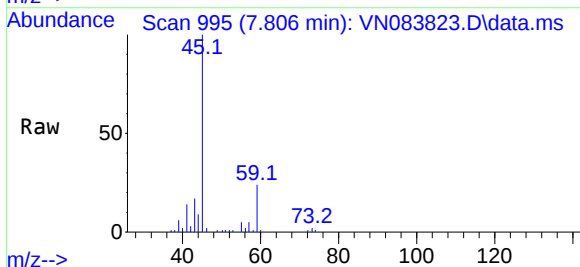
Instrument :  
MSVOA\_N  
ClientSampleId :  
9424-A-C

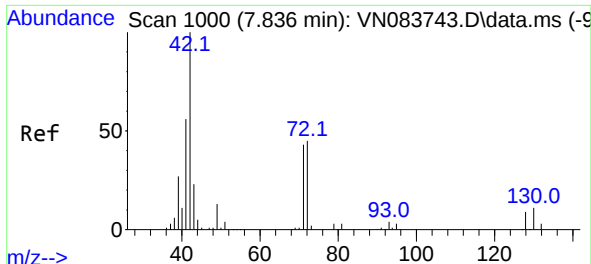
Tgt Ion: 43 Resp: 152531  
Ion Ratio Lower Upper  
43 100  
72 25.1 20.8 31.2



#28  
Bromochloromethane  
Concen: 0.255 ug/l  
RT: 7.806 min Scan# 995  
Delta R.T. -0.006 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

Tgt Ion: 49 Resp: 311  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 3.4  
130 0.0 60.2 90.2#





#29

Tetrahydrofuran

Concen: 8.332 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.053 min

Lab File: VN083823.D

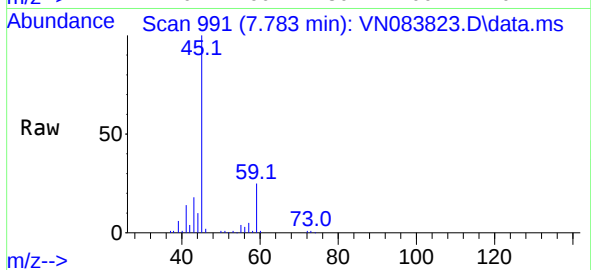
Acq: 12 Sep 2024 11:20

Instrument :

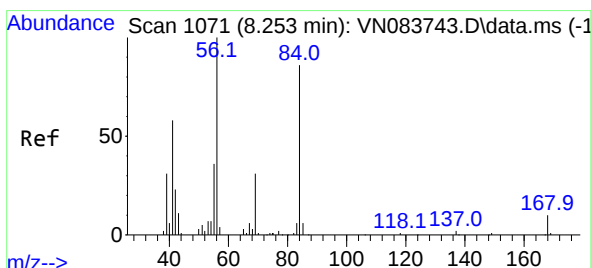
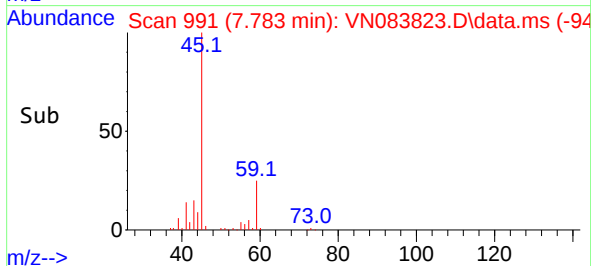
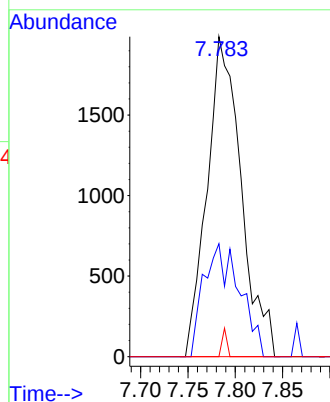
MSVOA\_N

ClientSampleId :

9424-A-C



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 4967  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 37.2  | 35.9  | 53.9  |
| 71       | 1.2   | 33.9  | 50.9# |



#31

Cyclohexane

Concen: 1.307 ug/l

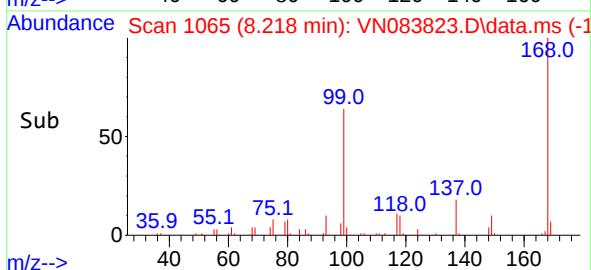
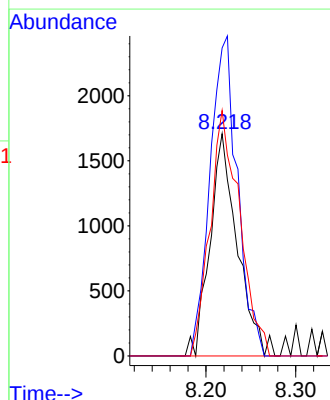
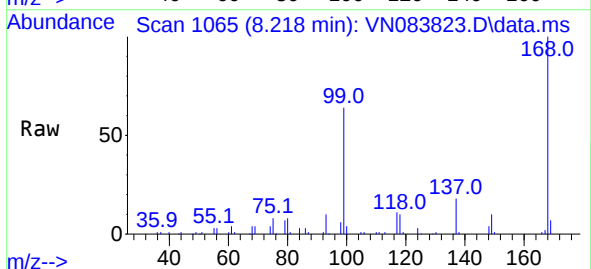
RT: 8.218 min Scan# 1065

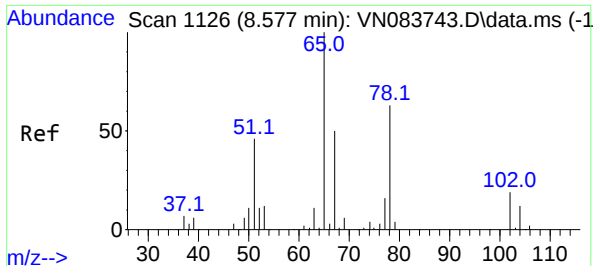
Delta R.T. -0.035 min

Lab File: VN083823.D

Acq: 12 Sep 2024 11:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 3616   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 138.6 | 26.9  | 40.3#  |
| 84       | 110.5 | 69.2  | 103.8# |





#33

1,2-Dichloroethane-d4

Concen: 52.490 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083823.D

Acq: 12 Sep 2024 11:20

Instrument :

MSVOA\_N

ClientSampleId :

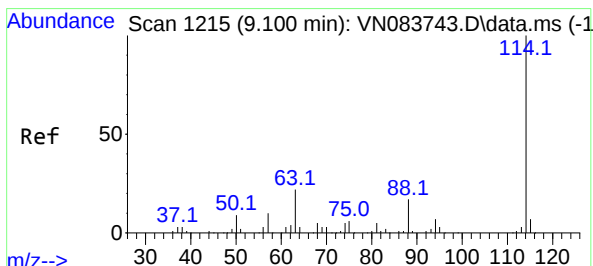
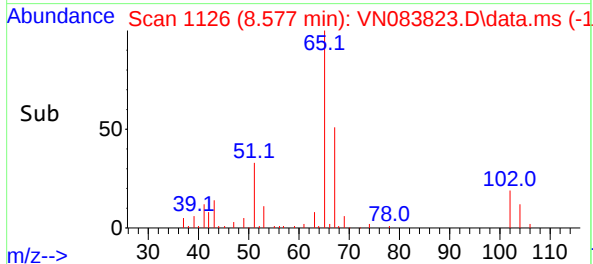
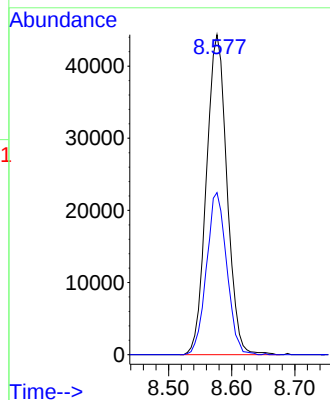
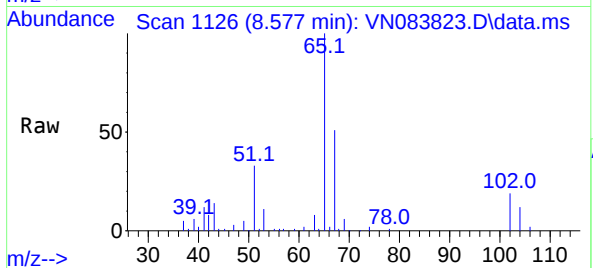
9424-A-C

Tgt Ion: 65 Resp: 100445

Ion Ratio Lower Upper

65 100

67 49.8 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN083823.D

Acq: 12 Sep 2024 11:20

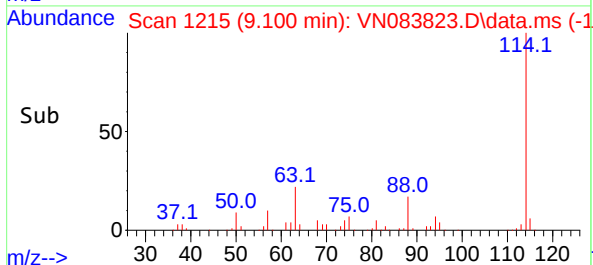
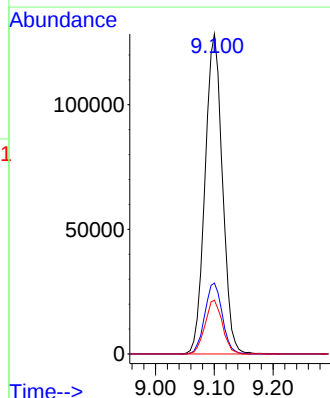
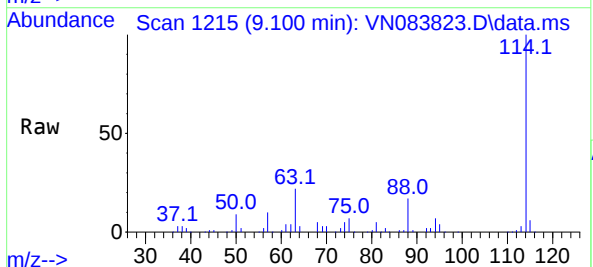
Tgt Ion: 114 Resp: 264254

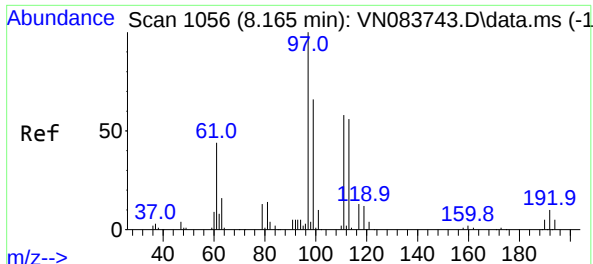
Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.4

88 16.8 0.0 32.6

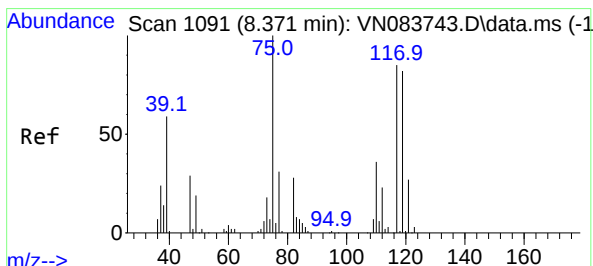
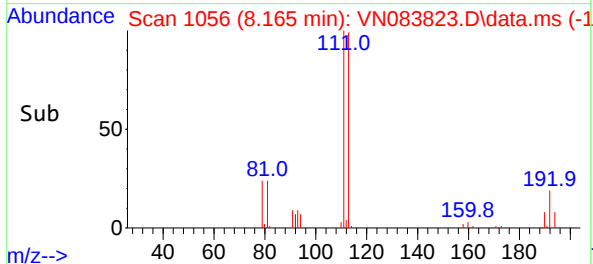
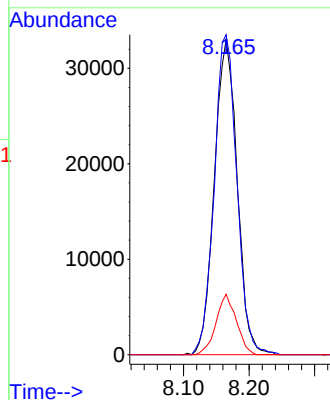
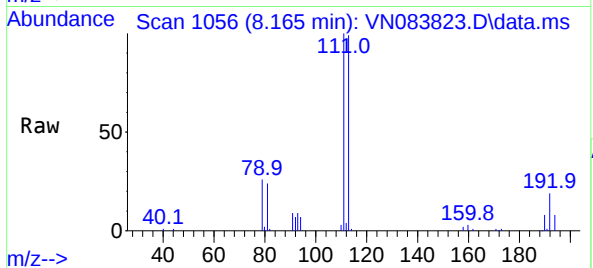




#35  
Dibromofluoromethane  
Concen: 47.070 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

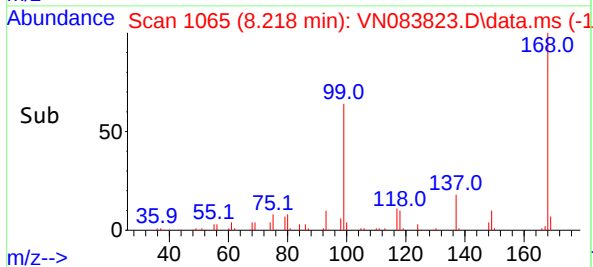
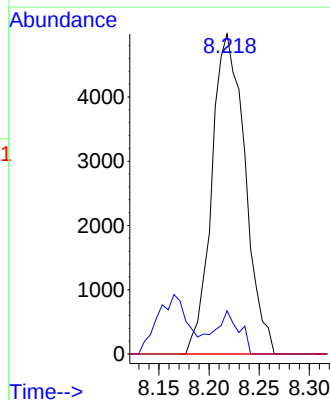
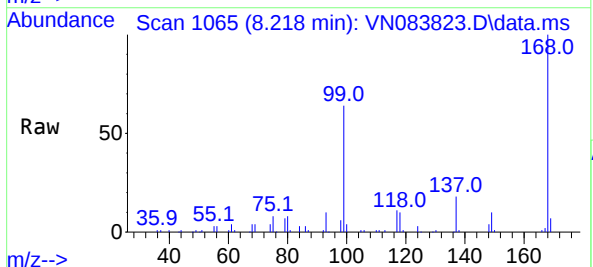
Instrument :  
MSVOA\_N  
ClientSampleId :  
9424-A-C

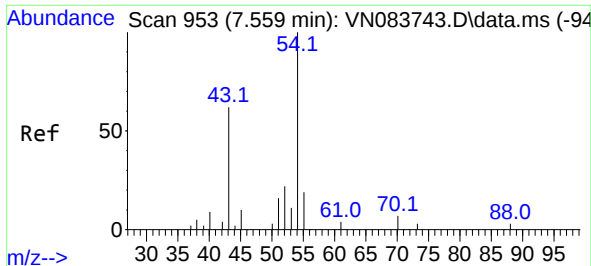
Tgt Ion:113 Resp: 79629  
Ion Ratio Lower Upper  
113 100  
111 100.7 82.6 124.0  
192 17.1 14.3 21.5



#36  
1,1-Dichloropropene  
Concen: 4.508 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.153 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

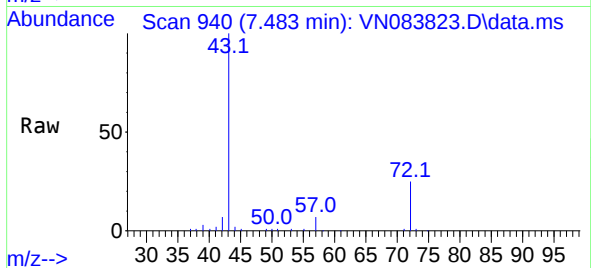
Tgt Ion: 75 Resp: 11478  
Ion Ratio Lower Upper  
75 100  
110 8.4 16.7 50.1#  
77 0.0 25.2 37.8#



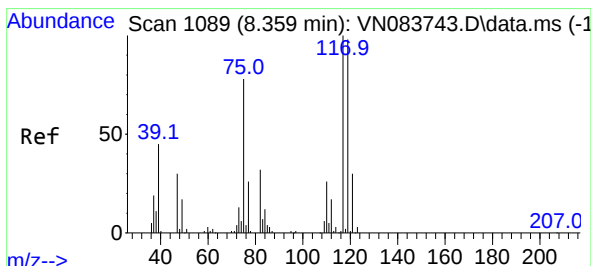
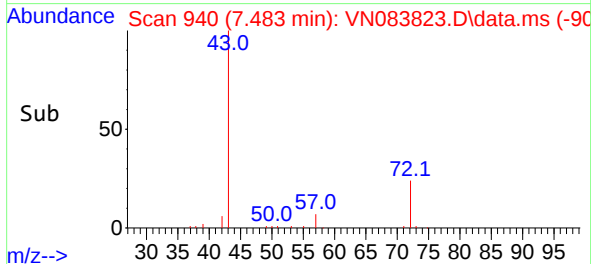
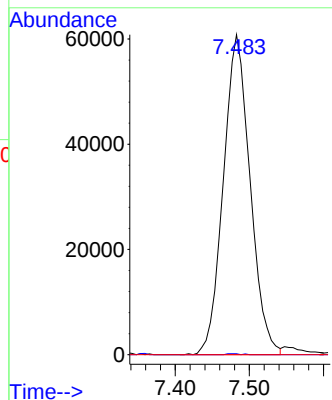


#37  
Ethyl Acetate  
Concen: 65.995 ug/l  
RT: 7.483 min Scan# 94  
Delta R.T. -0.076 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

Instrument :  
MSVOA\_N  
ClientSampleId :  
9424-A-C

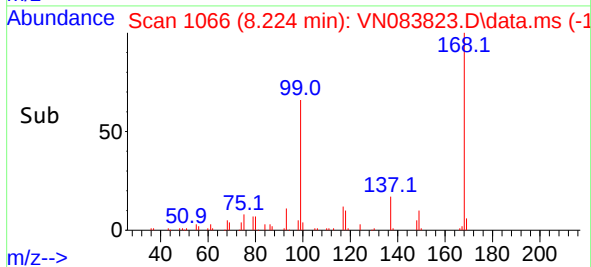
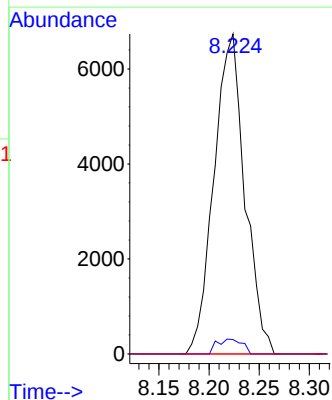
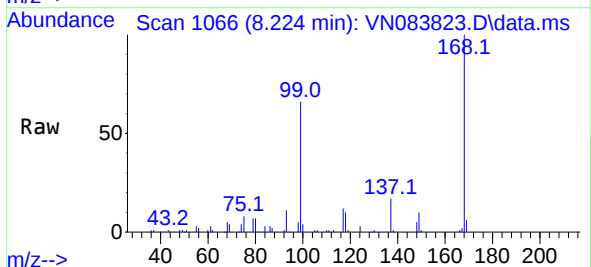


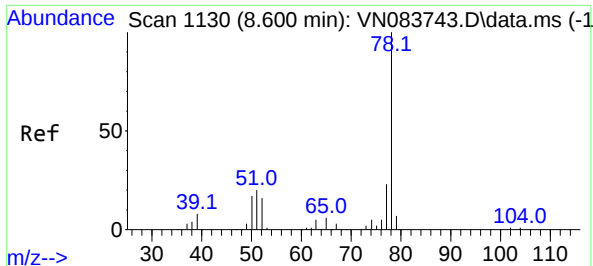
Tgt Ion: 43 Resp: 152531  
Ion Ratio Lower Upper  
43 100  
61 0.2 11.1 16.7#  
70 0.0 8.8 13.2#



#38  
Carbon Tetrachloride  
Concen: 4.994 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.135 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

Tgt Ion: 117 Resp: 14425  
Ion Ratio Lower Upper  
117 100  
119 4.5 76.1 114.1#  
121 0.0 24.1 36.1#

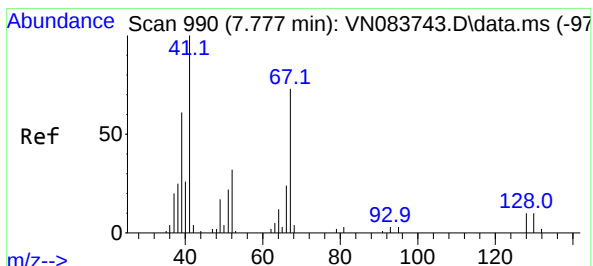
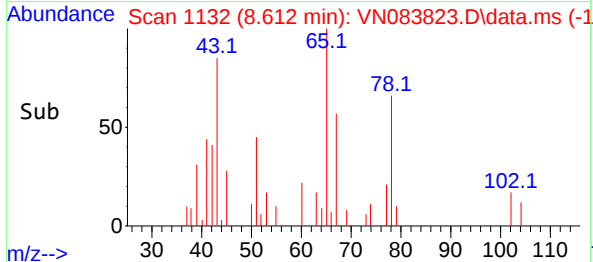
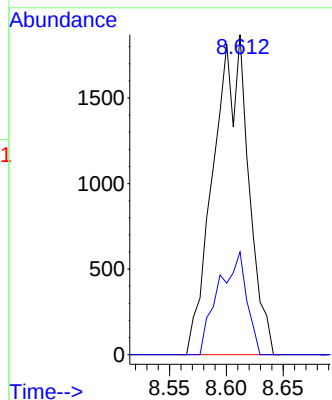
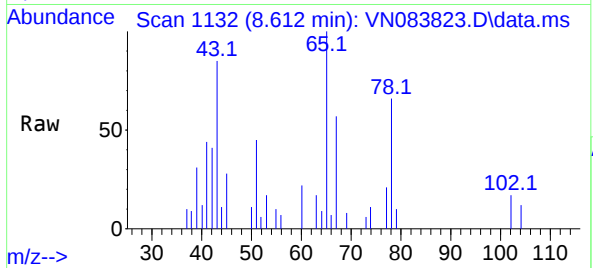




#40  
Benzene  
Concen: 0.518 ug/l  
RT: 8.612 min Scan# 1132  
Delta R.T. 0.012 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

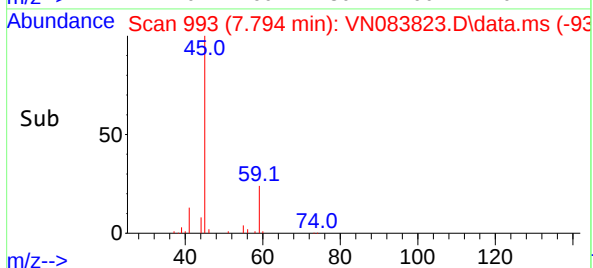
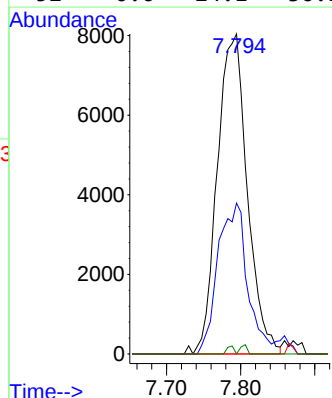
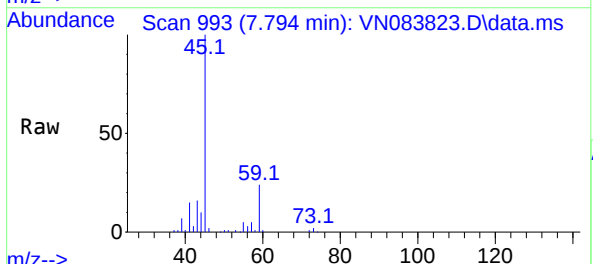
Instrument :  
MSVOA\_N  
ClientSampleId :  
9424-A-C

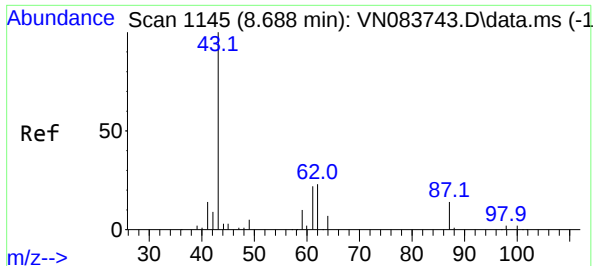
Tgt Ion: 78 Resp: 3973  
Ion Ratio Lower Upper  
78 100  
77 32.1 19.0 28.6#



#41  
Methacrylonitrile  
Concen: 16.536 ug/l  
RT: 7.794 min Scan# 993  
Delta R.T. 0.018 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

Tgt Ion: 41 Resp: 22605  
Ion Ratio Lower Upper  
41 100  
39 46.1 45.4 68.2  
67 0.0 55.9 83.9#  
52 0.6 24.1 36.1#

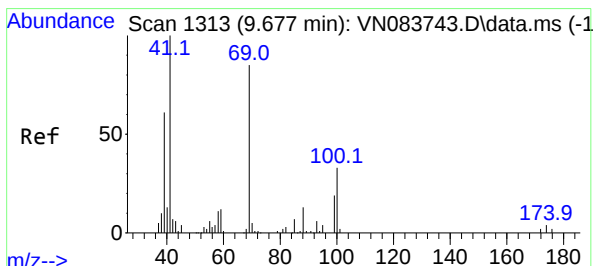
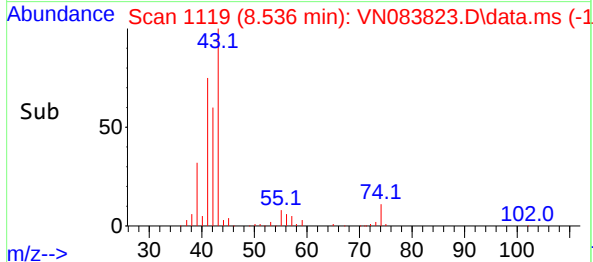
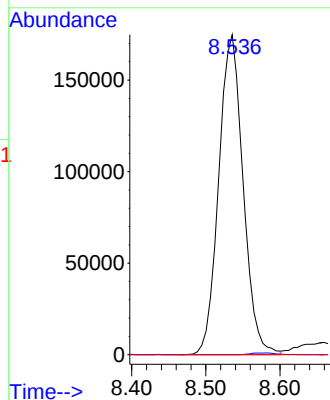
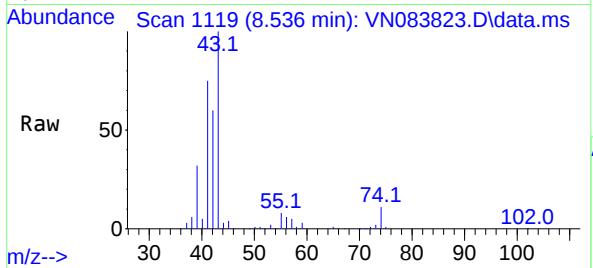




#43  
Isopropyl Acetate  
Concen: 95.406 ug/l  
RT: 8.536 min Scan# 1119  
Delta R.T. -0.153 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

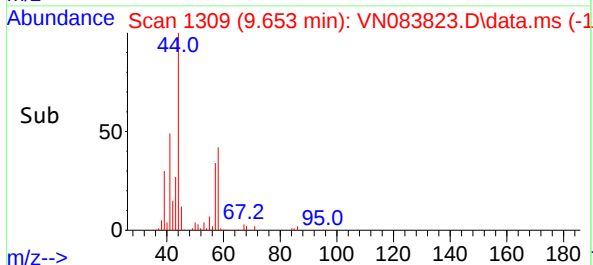
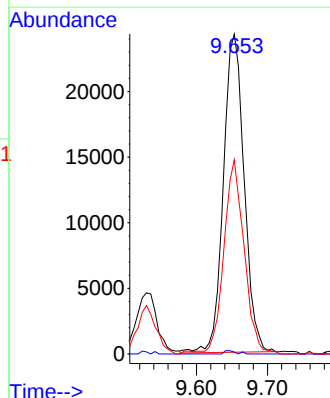
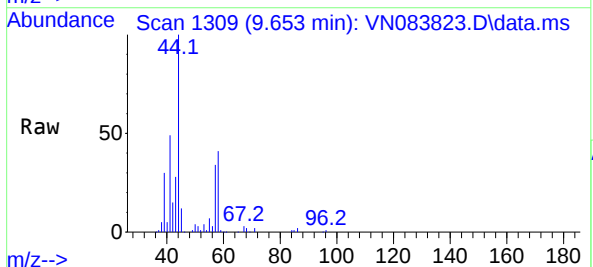
Instrument :  
MSVOA\_N  
ClientSampleId :  
9424-A-C

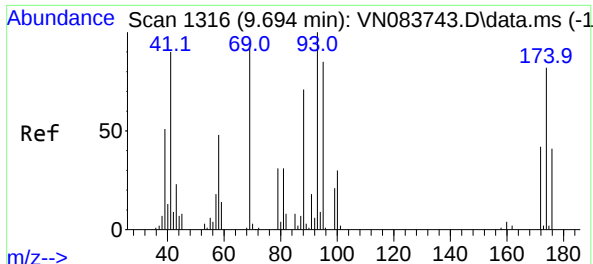
Tgt Ion: 43 Resp: 399594  
Ion Ratio Lower Upper  
43 100  
61 0.0 19.4 29.0#  
87 0.0 9.8 14.6#



#48  
Methyl methacrylate  
Concen: 24.750 ug/l  
RT: 9.653 min Scan# 1309  
Delta R.T. -0.023 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

Tgt Ion: 41 Resp: 49181  
Ion Ratio Lower Upper  
41 100  
69 0.6 64.3 96.5#  
39 59.6 48.9 73.3

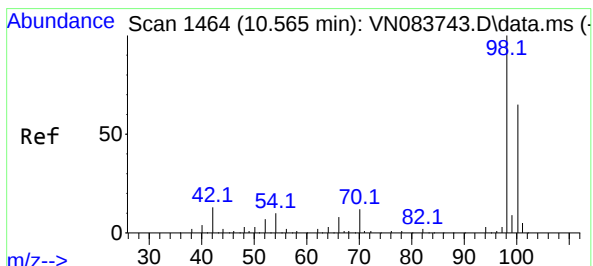
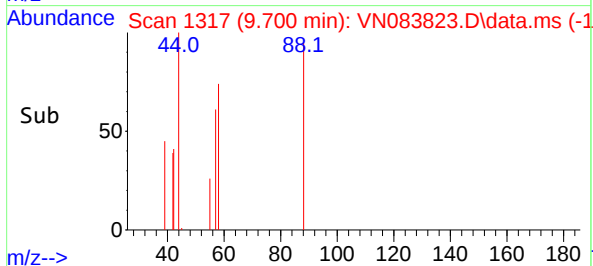
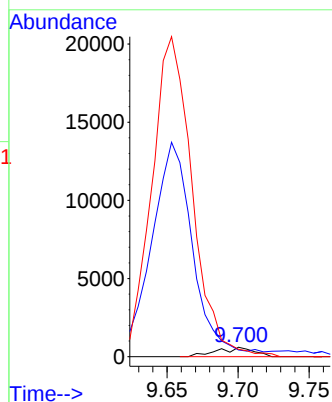
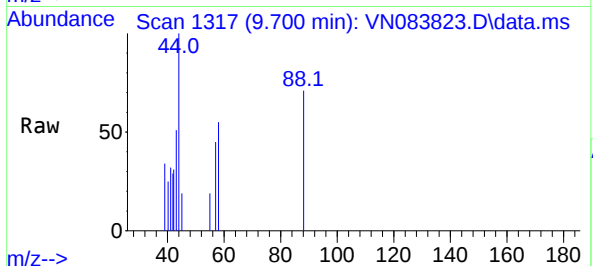




#49  
1,4-Dioxane  
Concen: 33.222 ug/l  
RT: 9.700 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

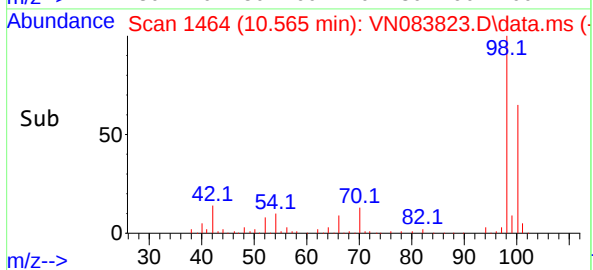
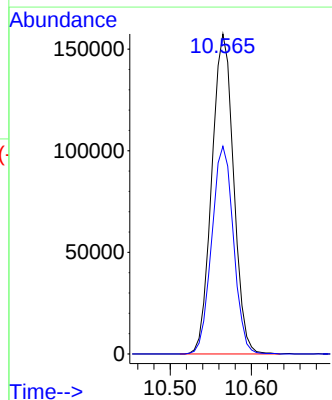
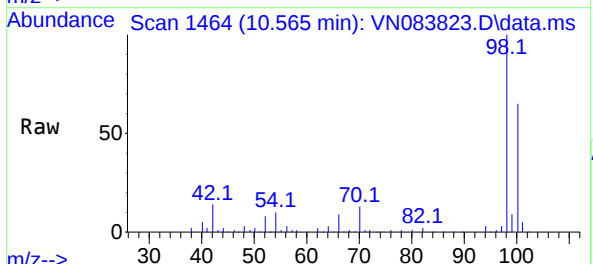
Instrument :  
MSVOA\_N  
ClientSampleId :  
9424-A-C

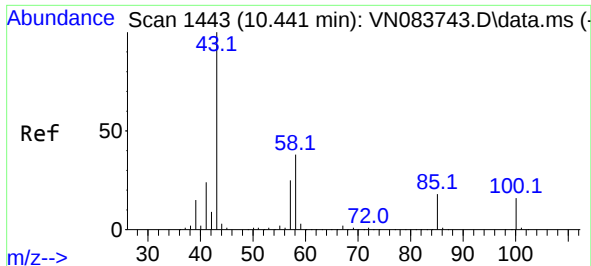
Tgt Ion: 88 Resp: 1086  
Ion Ratio Lower Upper  
88 100  
43 0.0 0.0 0.0  
58 0.0 57.1 85.7#



#50  
Toluene-d8  
Concen: 50.155 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

Tgt Ion: 98 Resp: 293325  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.0 78.0

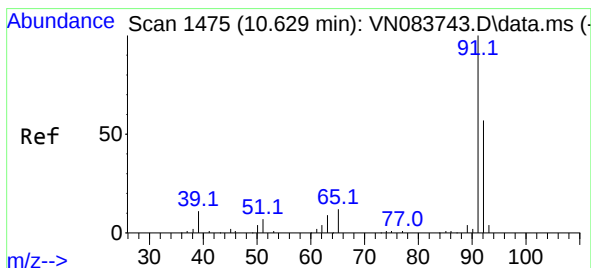
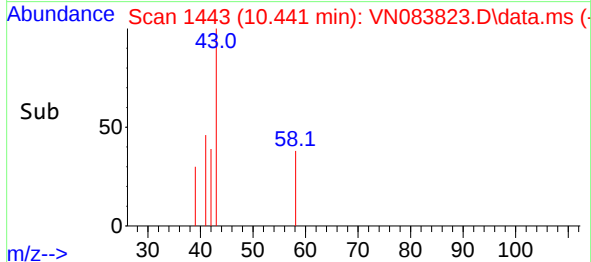
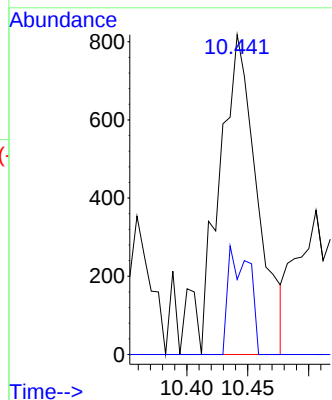
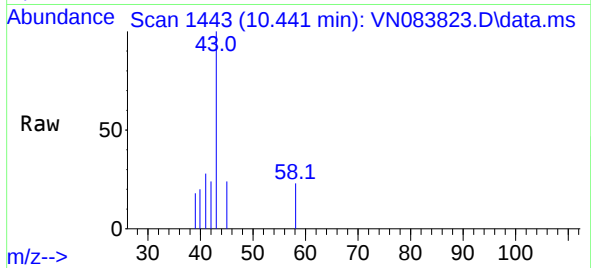




#51  
4-Methyl-2-Pentanone  
Concen: 0.812 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

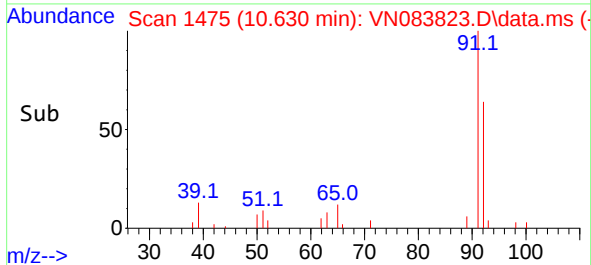
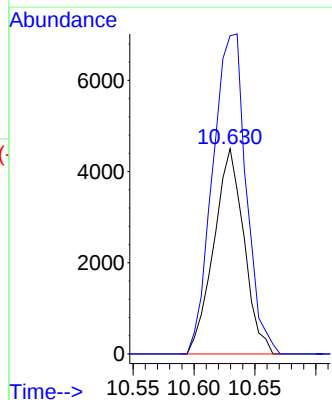
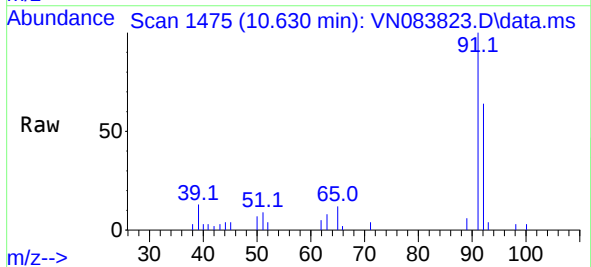
Instrument :  
MSVOA\_N  
ClientSampleId :  
9424-A-C

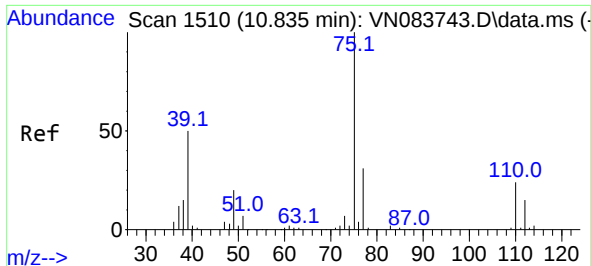
Tgt Ion: 43 Resp: 1851  
Ion Ratio Lower Upper  
43 100  
58 17.9 31.6 47.4#



#52  
Toluene  
Concen: 1.655 ug/l  
RT: 10.630 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

Tgt Ion: 92 Resp: 7757  
Ion Ratio Lower Upper  
92 100  
91 173.2 134.7 202.1

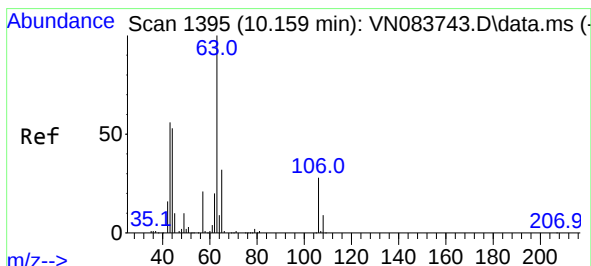
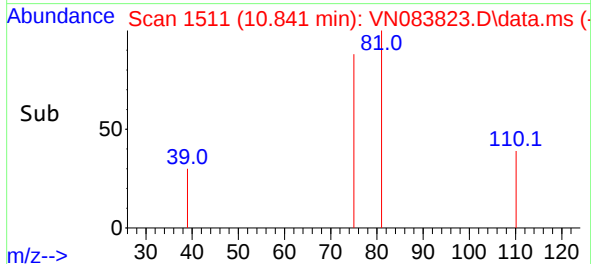
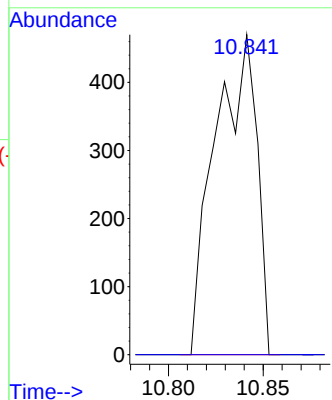
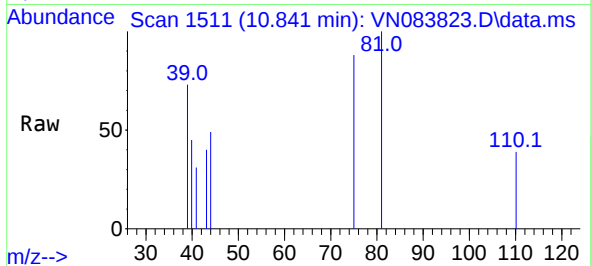




#53  
t-1,3-Dichloropropene  
Concen: 0.252 ug/l  
RT: 10.841 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

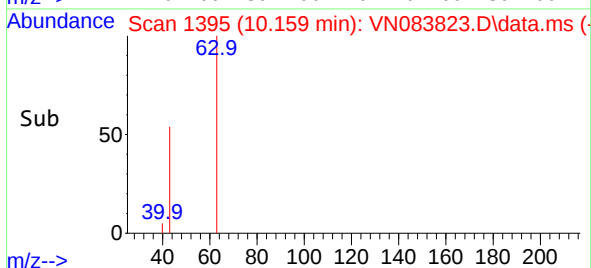
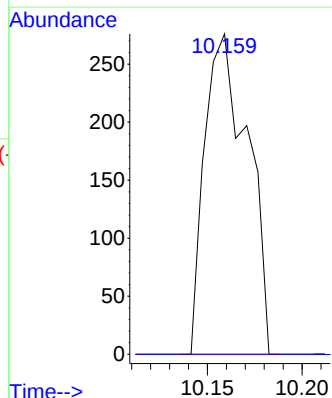
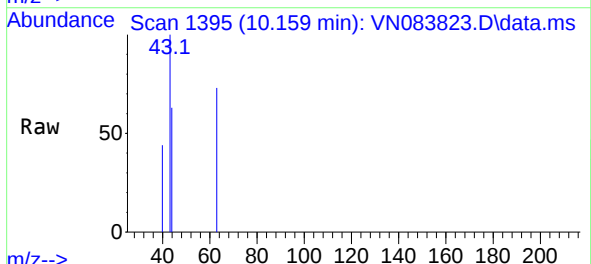
Instrument :  
MSVOA\_N  
ClientSampleId :  
9424-A-C

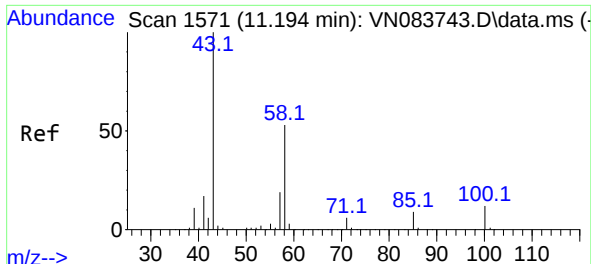
Tgt Ion: 75 Resp: 717  
Ion Ratio Lower Upper  
75 100  
77 0.0 25.8 38.6#



#58  
2-Chloroethyl Vinyl ether  
Concen: 0.448 ug/l  
RT: 10.159 min Scan# 1395  
Delta R.T. 0.000 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

Tgt Ion: 63 Resp: 435  
Ion Ratio Lower Upper  
63 100  
106 0.0 23.3 34.9#

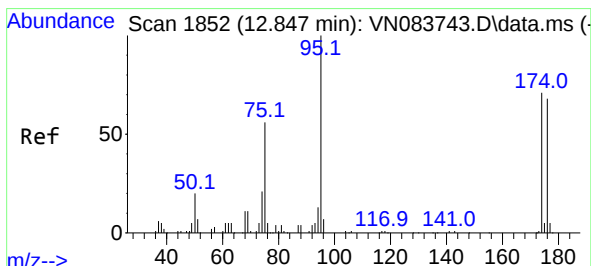
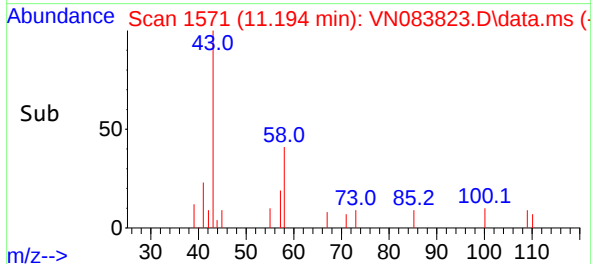
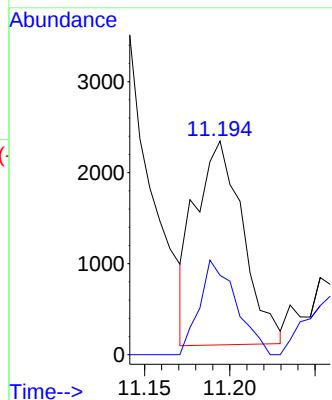
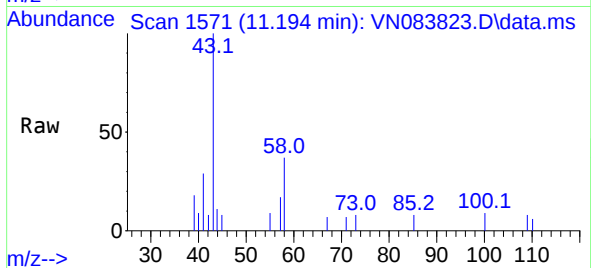




#59  
2-Hexanone  
Concen: 2.571 ug/l  
RT: 11.194 min Scan# 111  
Delta R.T. 0.000 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

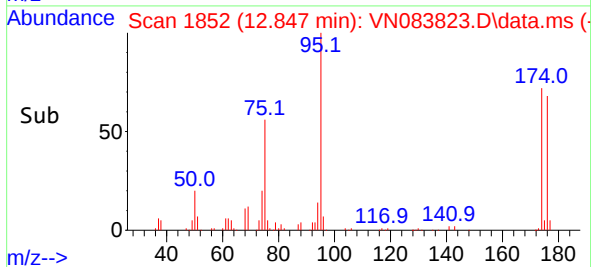
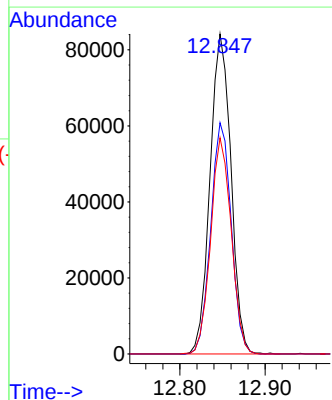
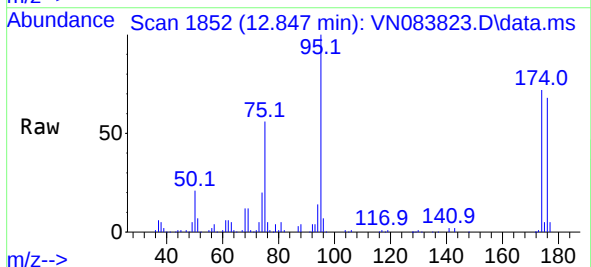
Instrument :  
MSVOA\_N  
ClientSampleId :  
9424-A-C

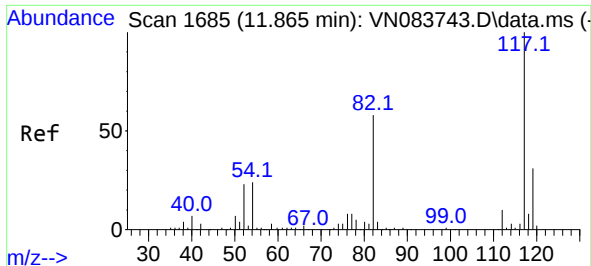
Tgt Ion: 43 Resp: 4336  
Ion Ratio Lower Upper  
43 100  
58 36.0 27.2 81.5



#62  
4-Bromofluorobenzene  
Concen: 59.473 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

Tgt Ion: 95 Resp: 143502  
Ion Ratio Lower Upper  
95 100  
174 70.7 0.0 139.8  
176 66.5 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VN083823.D

Acq: 12 Sep 2024 11:20

Instrument :

MSVOA\_N

ClientSampleId :

9424-A-C

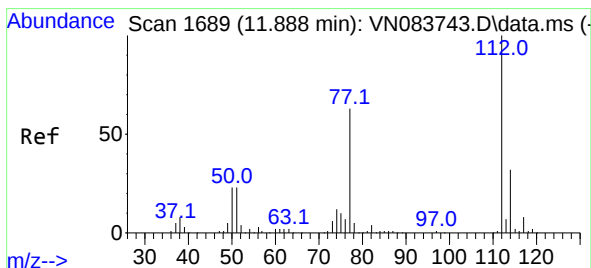
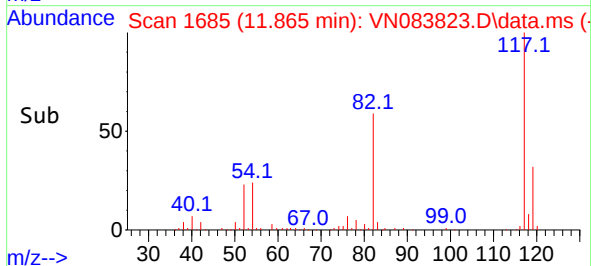
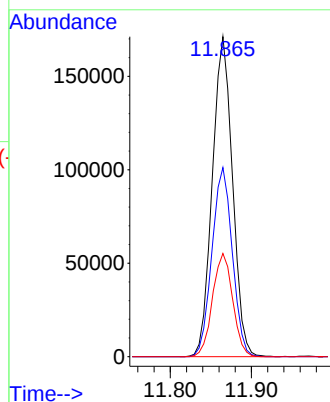
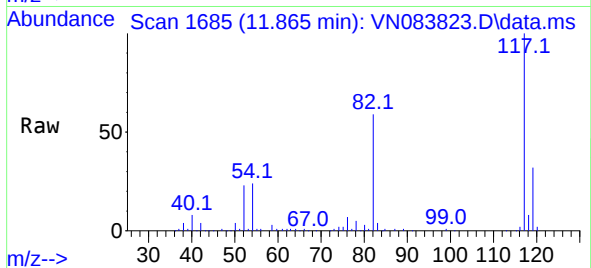
Tgt Ion:117 Resp: 295965

Ion Ratio Lower Upper

117 100

82 59.1 47.4 71.0

119 32.3 26.3 39.5



#65

Chlorobenzene

Concen: 0.284 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. 0.000 min

Lab File: VN083823.D

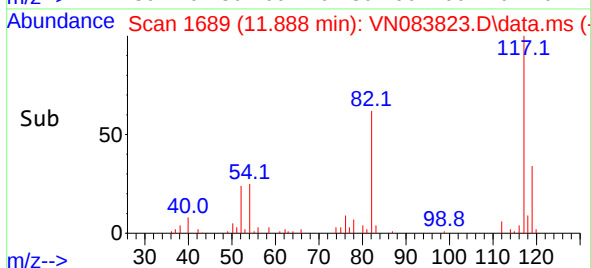
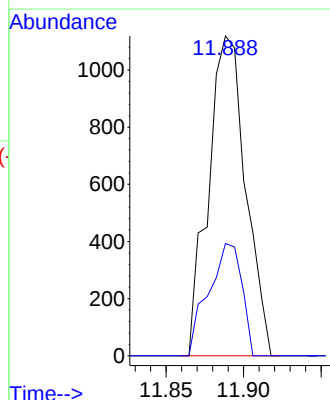
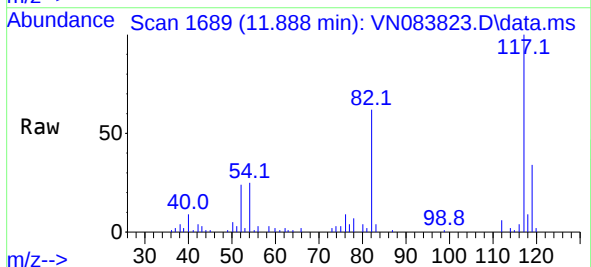
Acq: 12 Sep 2024 11:20

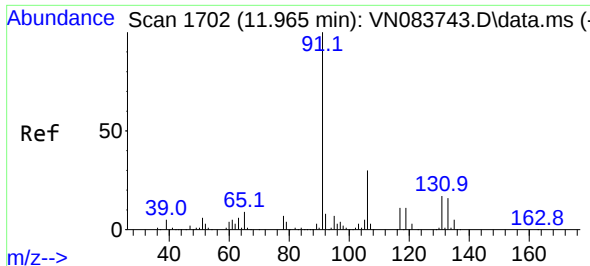
Tgt Ion:112 Resp: 1871

Ion Ratio Lower Upper

112 100

114 35.1 25.7 38.5

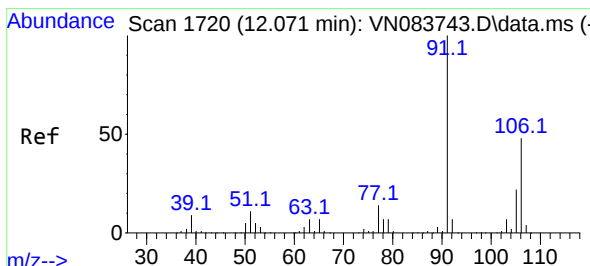
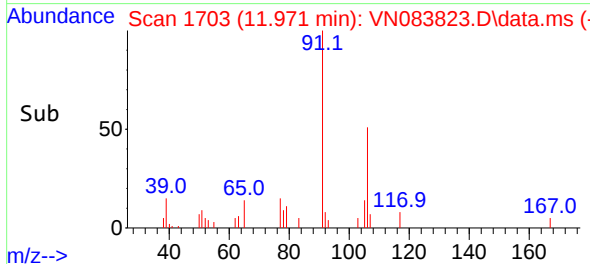
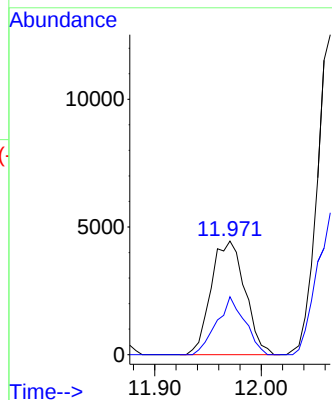
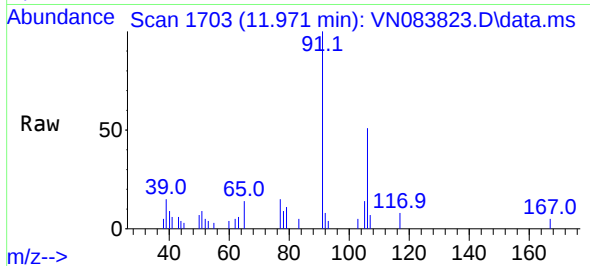




#67  
Ethyl Benzene  
Concen: 0.843 ug/l  
RT: 11.971 min Scan# 1719  
Delta R.T. 0.006 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

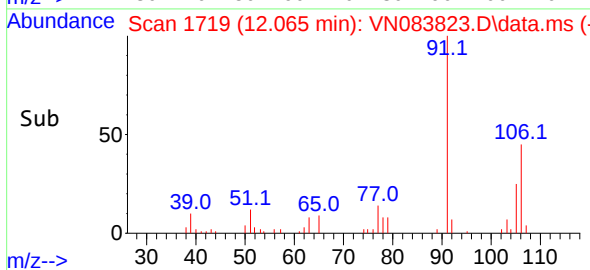
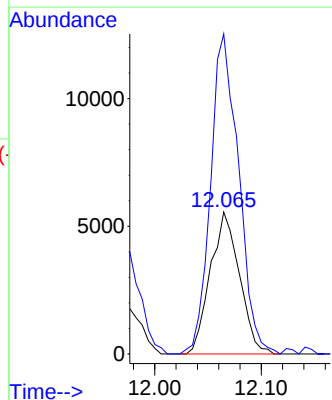
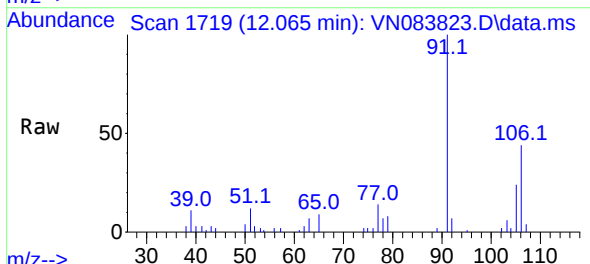
Instrument :  
MSVOA\_N  
ClientSampleId :  
9424-A-C

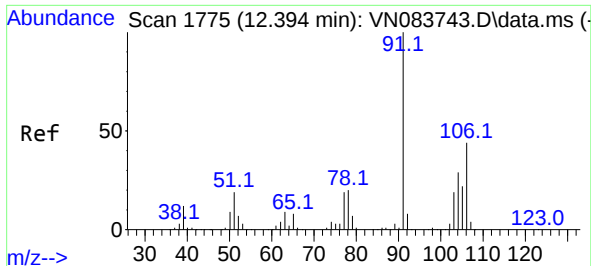
Tgt Ion: 91 Resp: 9846  
Ion Ratio Lower Upper  
91 100  
106 51.0 24.3 36.5#



#68  
m/p-Xylenes  
Concen: 2.432 ug/l  
RT: 12.065 min Scan# 1719  
Delta R.T. -0.006 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

Tgt Ion: 106 Resp: 10550  
Ion Ratio Lower Upper  
106 100  
91 217.4 169.2 253.8

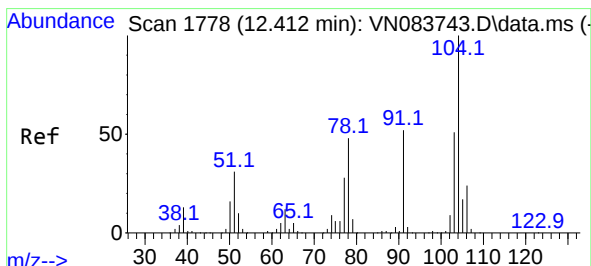
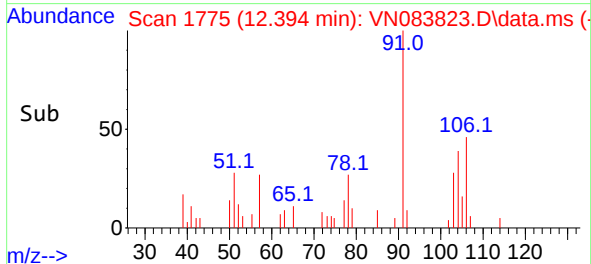
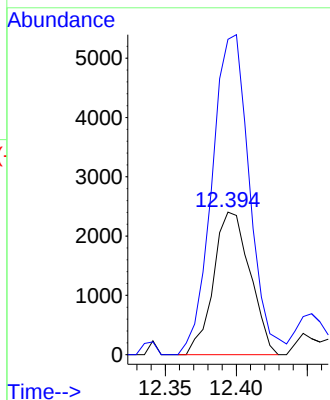
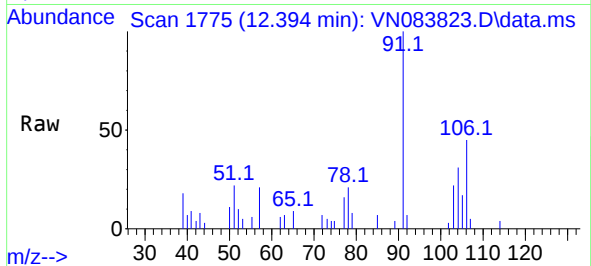




#69  
o-Xylene  
Concen: 1.026 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

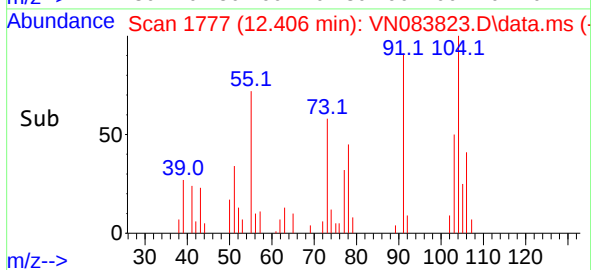
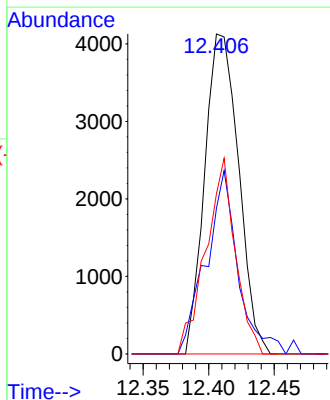
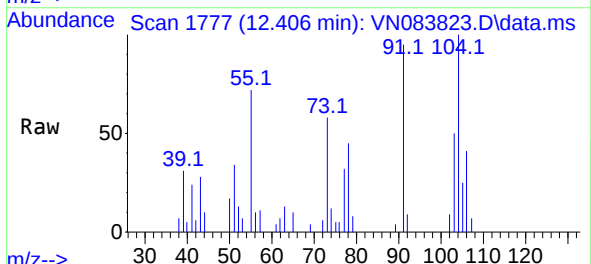
Instrument :  
MSVOA\_N  
ClientSampleId :  
9424-A-C

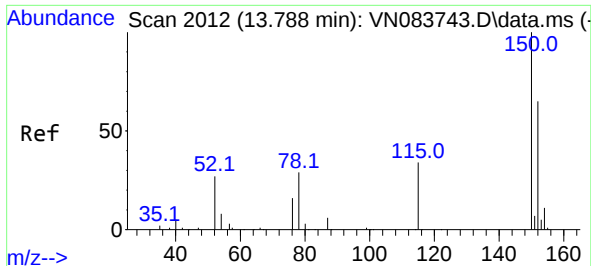
Tgt Ion:106 Resp: 4308  
Ion Ratio Lower Upper  
106 100  
91 229.9 112.9 338.6



#70  
Styrene  
Concen: 1.079 ug/l  
RT: 12.406 min Scan# 1777  
Delta R.T. -0.006 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

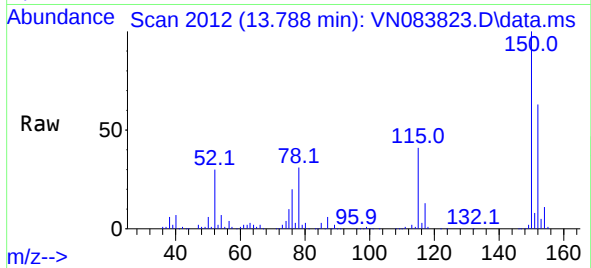
Tgt Ion:104 Resp: 7434  
Ion Ratio Lower Upper  
104 100  
78 54.7 43.3 64.9  
103 53.3 43.4 65.2



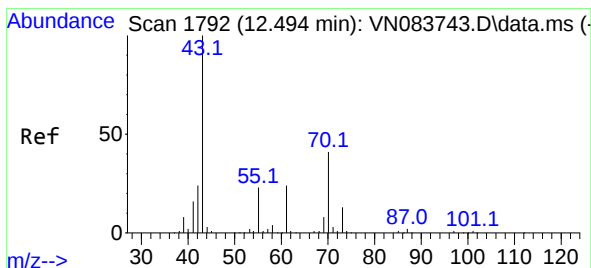
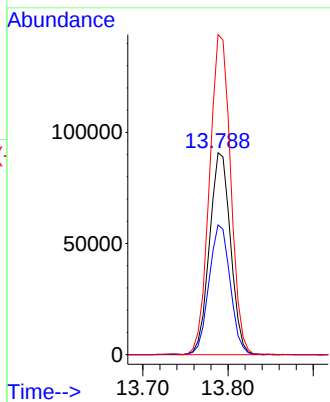
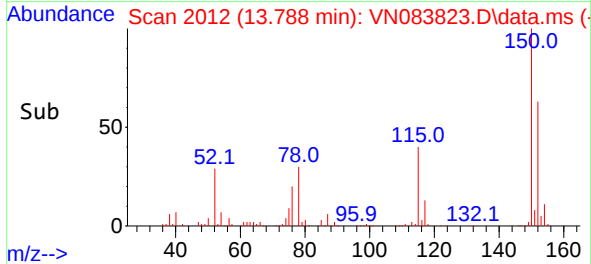


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

Instrument :  
MSVOA\_N  
ClientSampleId :  
9424-A-C

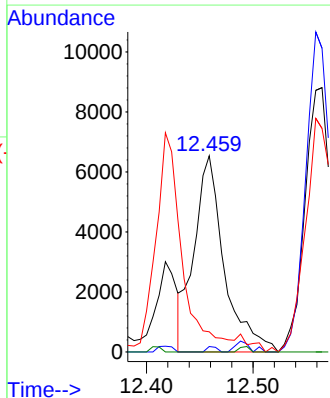
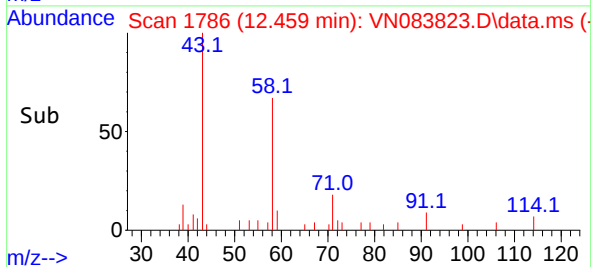
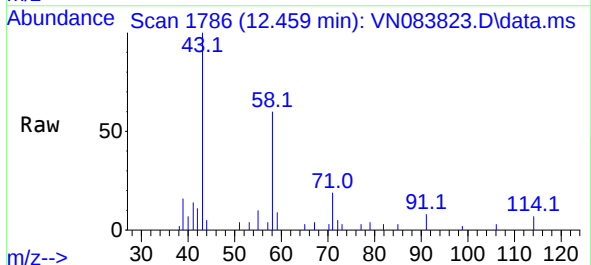


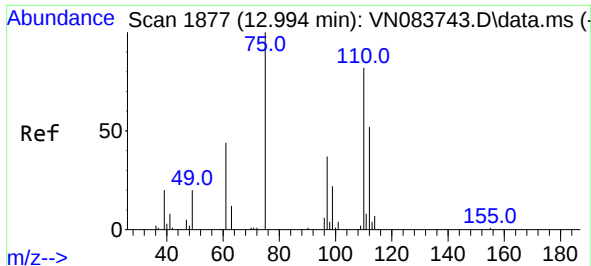
Tgt Ion:152 Resp: 155975  
Ion Ratio Lower Upper  
152 100  
115 64.6 32.2 96.6  
150 159.1 0.0 348.6



#74  
N-ethyl acetate  
Concen: 2.503 ug/l  
RT: 12.459 min Scan# 1786  
Delta R.T. -0.035 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

Tgt Ion: 43 Resp: 12888  
Ion Ratio Lower Upper  
43 100  
70 0.0 34.5 51.7#  
55 0.0 18.6 28.0#  
61 0.0 19.2 28.8#

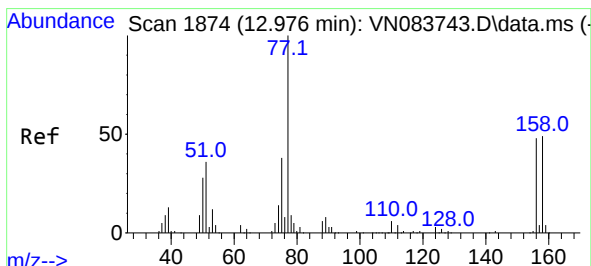
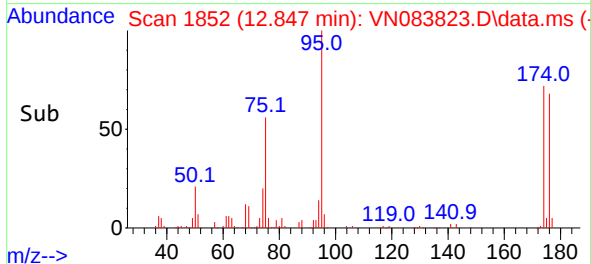
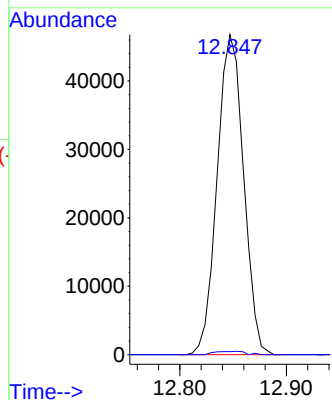
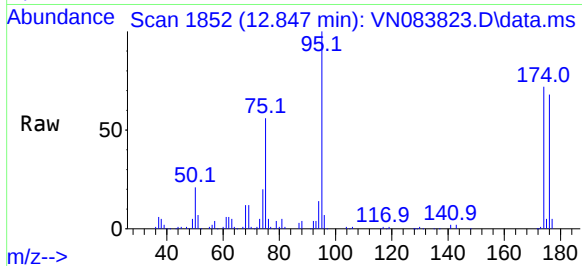




#76  
1,2,3-Trichloropropane  
Concen: 25.590 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.147 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

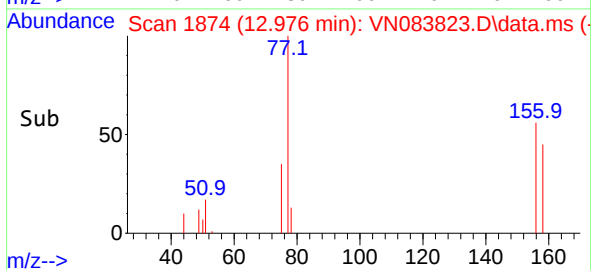
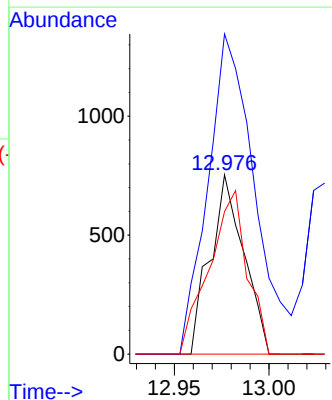
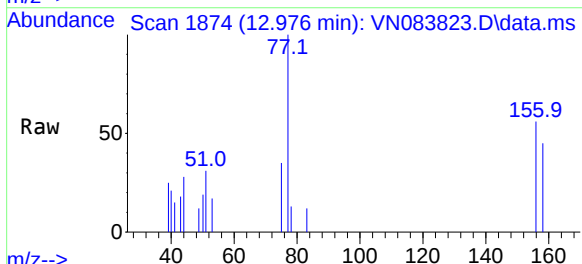
Instrument :  
MSVOA\_N  
ClientSampleId :  
9424-A-C

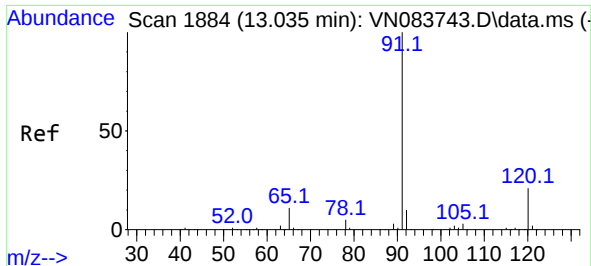
Tgt Ion: 75 Resp: 80537  
Ion Ratio Lower Upper  
75 100  
77 1.2 95.2 285.6#



#77  
Bromobenzene  
Concen: 0.323 ug/l  
RT: 12.976 min Scan# 1874  
Delta R.T. 0.000 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

Tgt Ion:156 Resp: 938  
Ion Ratio Lower Upper  
156 100  
77 245.2 114.3 343.1  
158 102.3 48.9 146.7

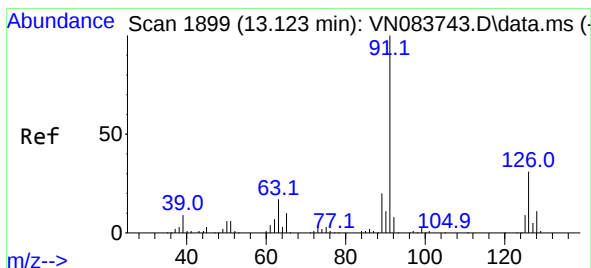
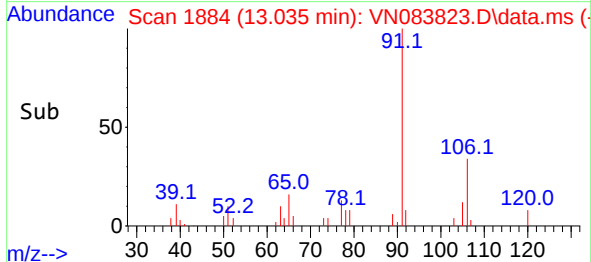
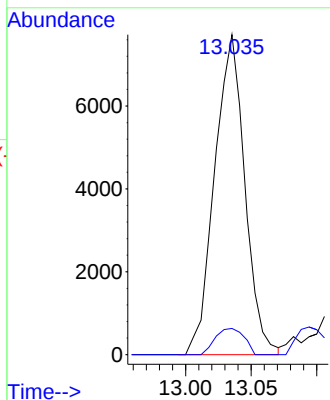
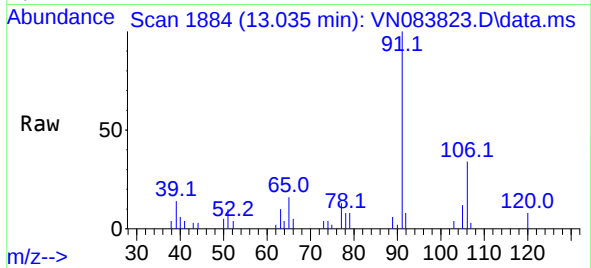




#78  
n-propylbenzene  
Concen: 0.883 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. 0.000 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

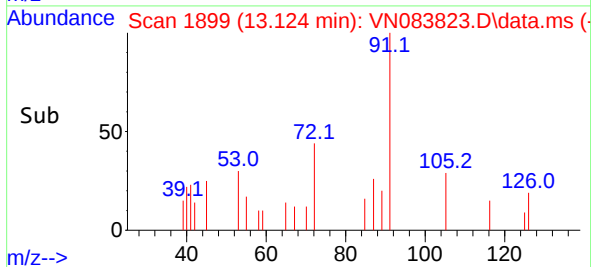
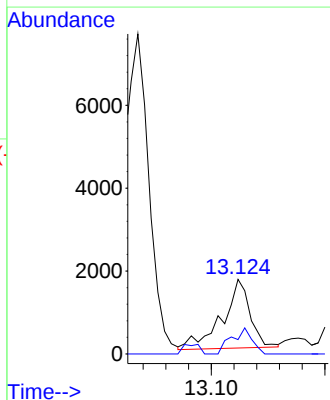
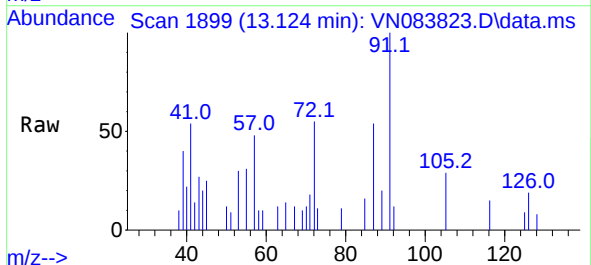
Instrument :  
MSVOA\_N  
ClientSampleId :  
9424-A-C

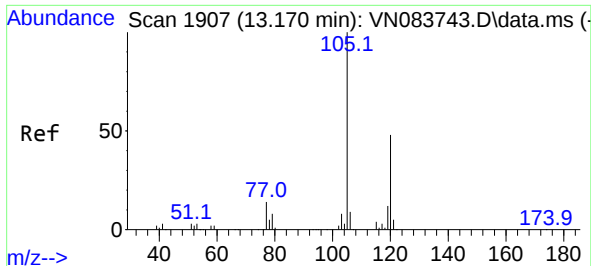
Tgt Ion: 91 Resp: 12394  
Ion Ratio Lower Upper  
91 100  
120 7.8 11.0 33.0#



#79  
2-Chlorotoluene  
Concen: 0.315 ug/l  
RT: 13.124 min Scan# 1899  
Delta R.T. 0.000 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

Tgt Ion: 91 Resp: 2824  
Ion Ratio Lower Upper  
91 100  
126 27.8 15.4 46.2

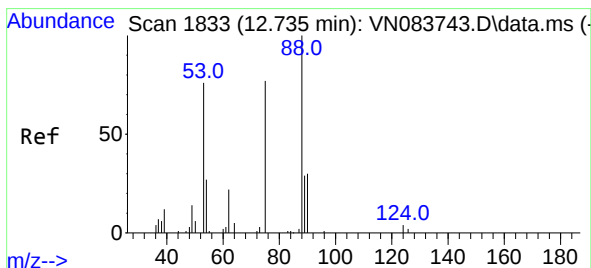
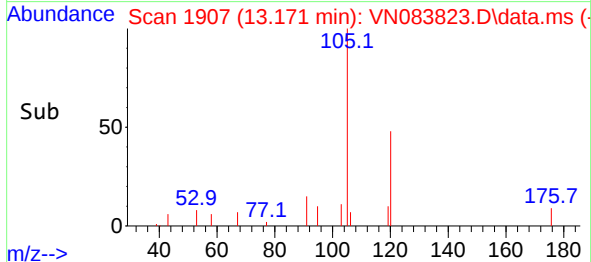
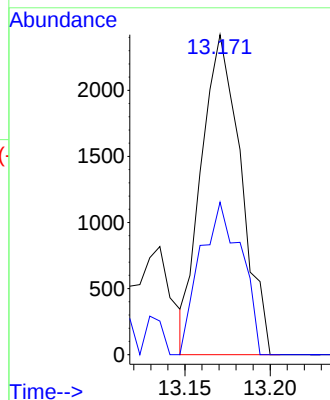
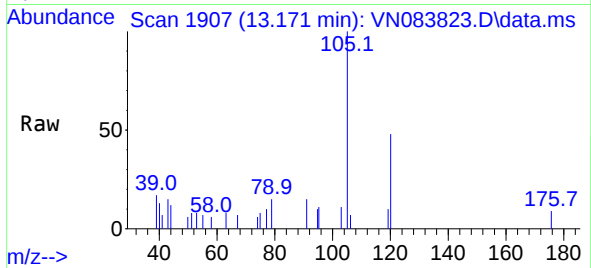




#80  
1,3,5-Trimethylbenzene  
Concen: 0.385 ug/l  
RT: 13.171 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

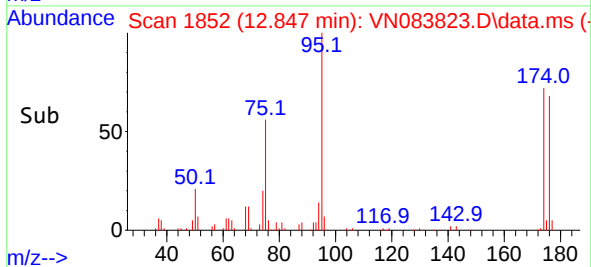
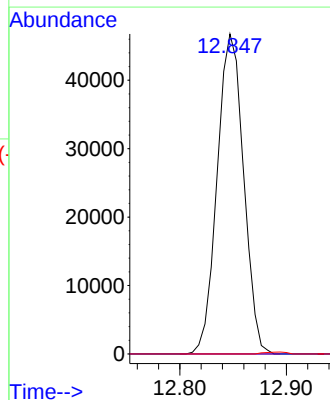
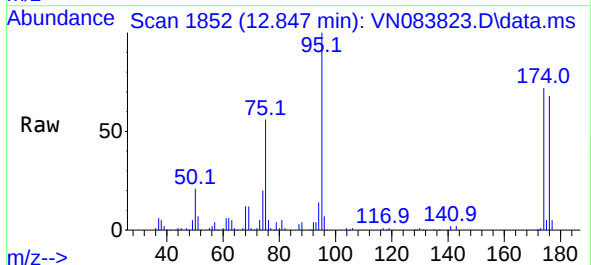
Instrument :  
MSVOA\_N  
ClientSampleId :  
9424-A-C

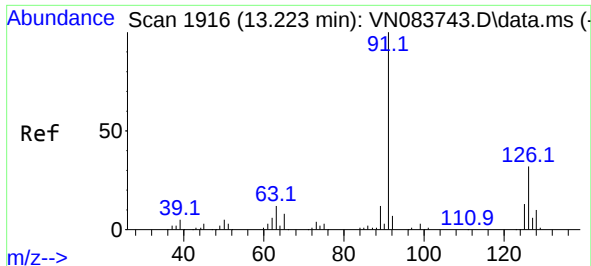
Tgt Ion:105 Resp: 3920  
Ion Ratio Lower Upper  
105 100  
120 49.4 23.4 70.3



#81  
trans-1,4-Dichloro-2-butene  
Concen: 67.021 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.112 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

Tgt Ion: 75 Resp: 80537  
Ion Ratio Lower Upper  
75 100  
53 0.0 81.2 121.8#  
89 0.0 35.7 53.5#

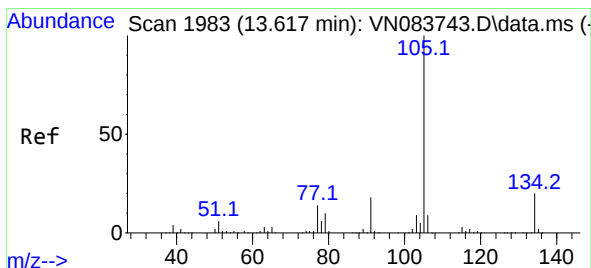
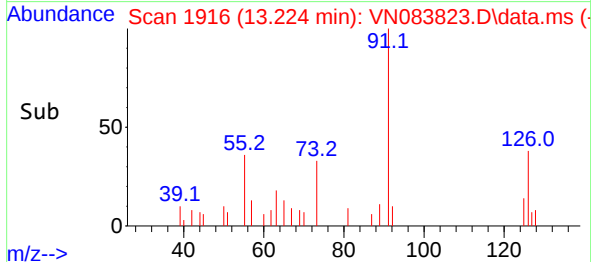
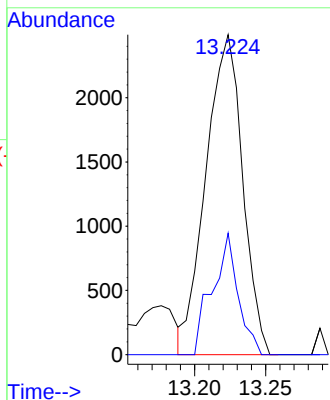
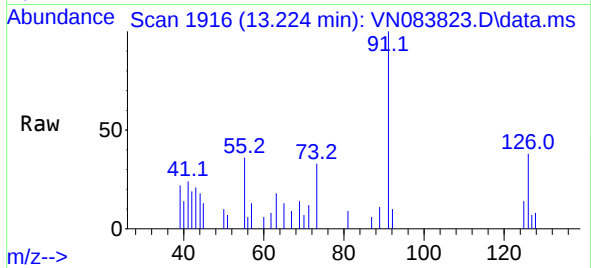




#82  
4-Chlorotoluene  
Concen: 0.497 ug/l  
RT: 13.224 min Scan# 1916  
Delta R.T. 0.000 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

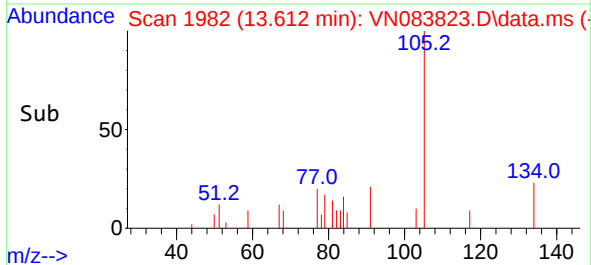
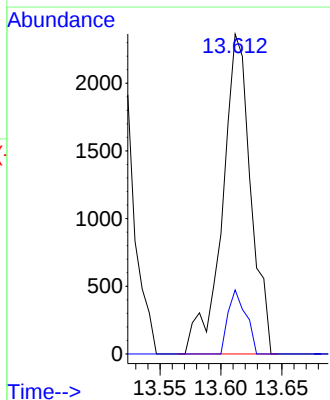
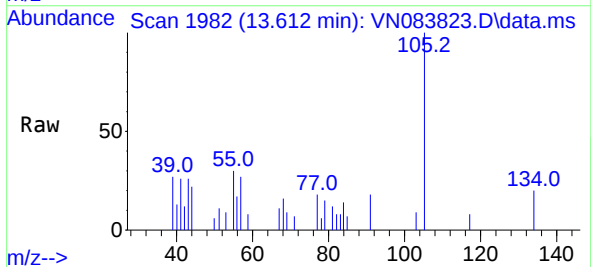
Instrument :  
MSVOA\_N  
ClientSampleId :  
9424-A-C

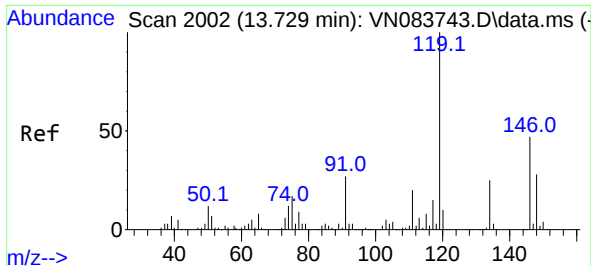
Tgt Ion: 91 Resp: 4467  
Ion Ratio Lower Upper  
91 100  
126 26.7 15.4 46.2



#85  
sec-Butylbenzene  
Concen: 0.325 ug/l  
RT: 13.612 min Scan# 1982  
Delta R.T. -0.006 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

Tgt Ion: 105 Resp: 3833  
Ion Ratio Lower Upper  
105 100  
134 12.6 9.7 29.1





#86

p-Isopropyltoluene

Concen: 0.322 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN083823.D

Acq: 12 Sep 2024 11:20

Instrument :

MSVOA\_N

ClientSampleId :

9424-A-C

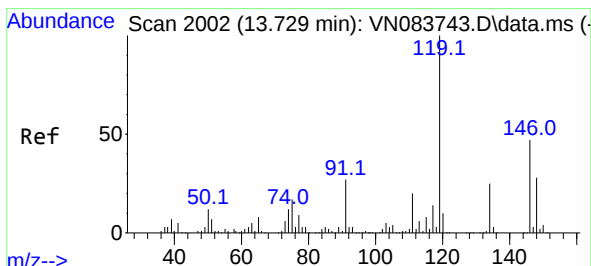
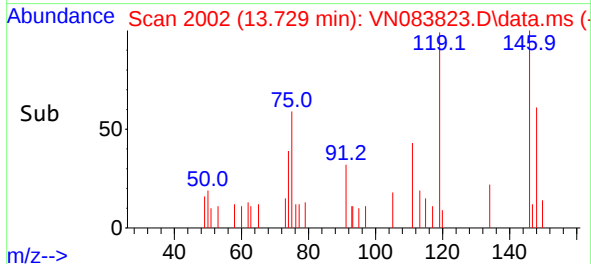
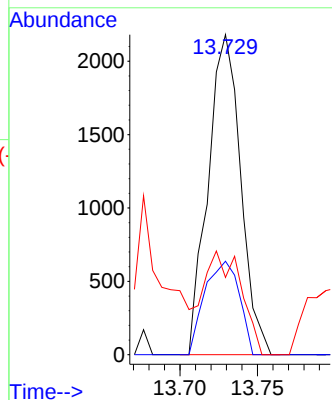
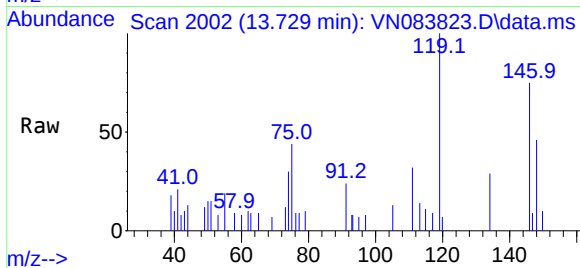
Tgt Ion:119 Resp: 3191

Ion Ratio Lower Upper

119 100

134 30.9 12.8 38.3

91 37.6 12.9 38.7



#87

1,3-Dichlorobenzene

Concen: 0.543 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN083823.D

Acq: 12 Sep 2024 11:20

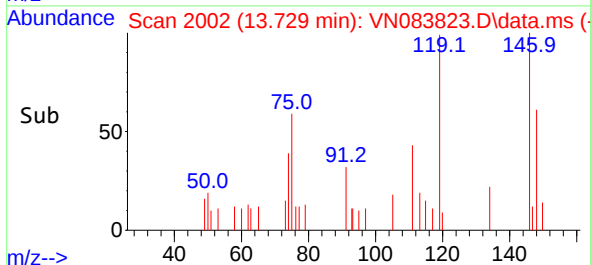
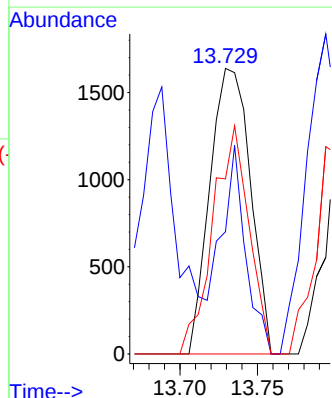
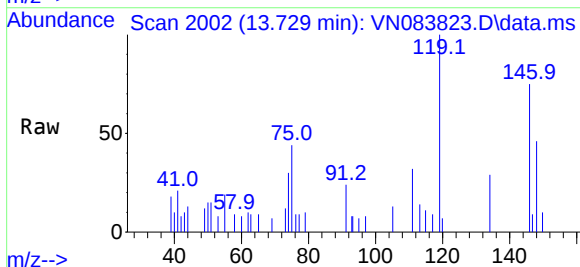
Tgt Ion:146 Resp: 2977

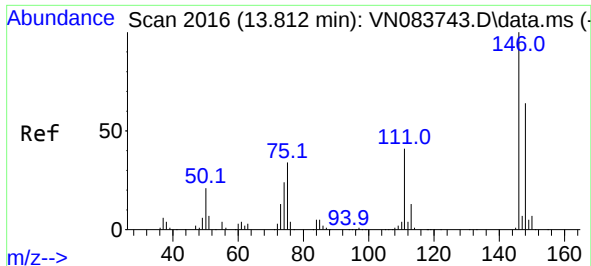
Ion Ratio Lower Upper

146 100

111 43.6 21.7 65.1

148 71.0 31.7 95.1

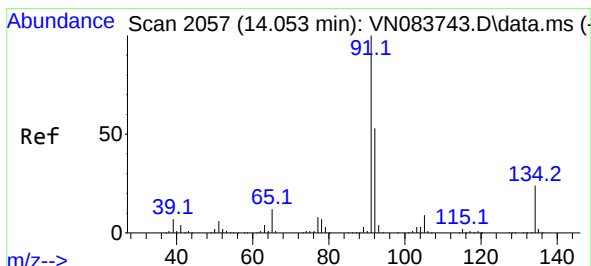
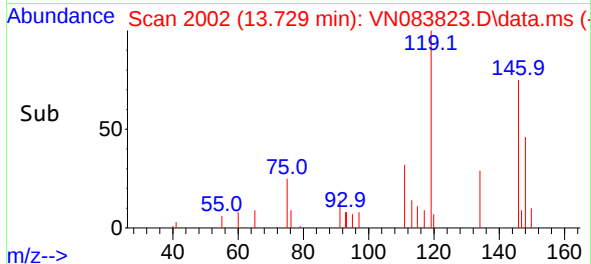
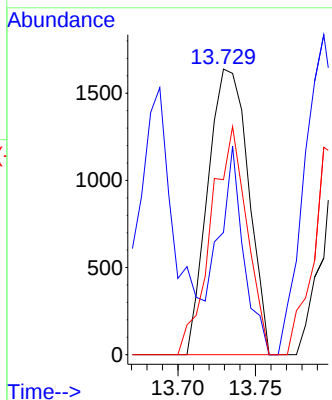
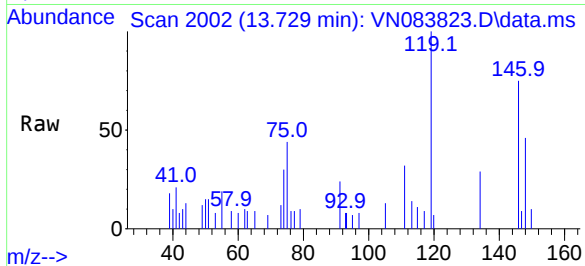




#88  
1,4-Dichlorobenzene  
Concen: 0.536 ug/l  
RT: 13.729 min Scan# 2016  
Delta R.T. -0.082 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

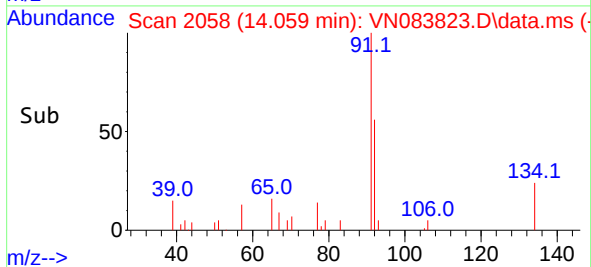
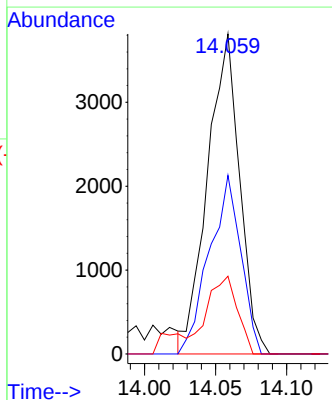
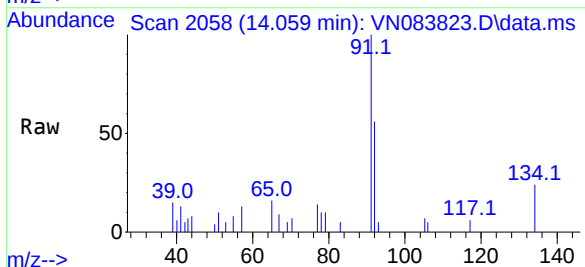
Instrument :  
MSVOA\_N  
ClientSampleId :  
9424-A-C

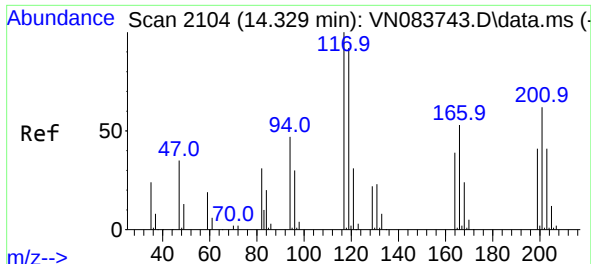
Tgt Ion:146 Resp: 2977  
Ion Ratio Lower Upper  
146 100  
111 43.6 21.3 64.0  
148 71.0 32.0 96.2



#89  
n-Butylbenzene  
Concen: 0.674 ug/l  
RT: 14.059 min Scan# 2058  
Delta R.T. 0.006 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

Tgt Ion: 91 Resp: 5989  
Ion Ratio Lower Upper  
91 100  
92 54.9 26.7 80.1  
134 23.2 12.2 36.4

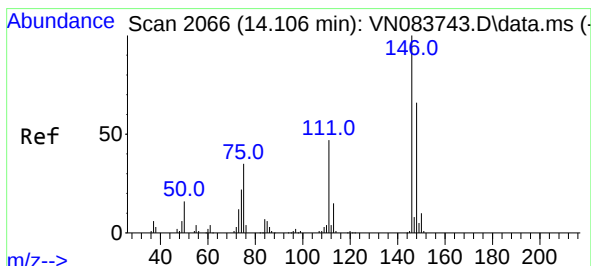
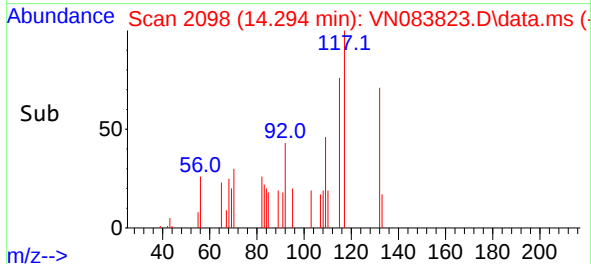
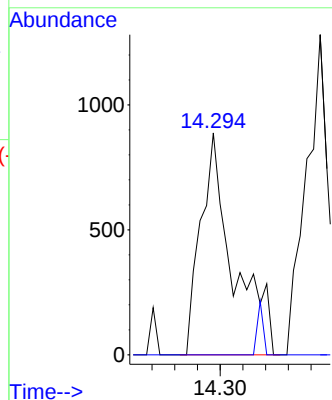
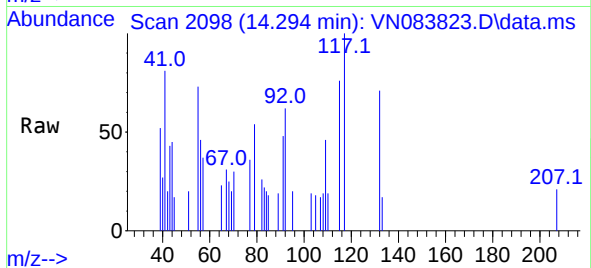




#90  
Hexachloroethane  
Concen: 0.892 ug/l  
RT: 14.294 min Scan# 2098  
Delta R.T. -0.035 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

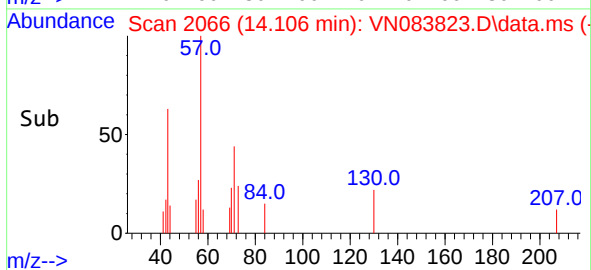
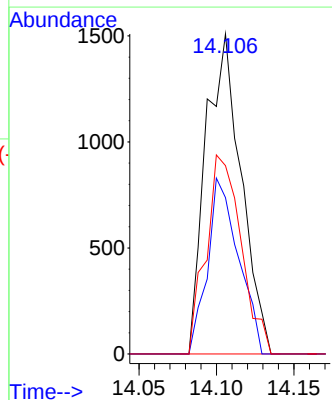
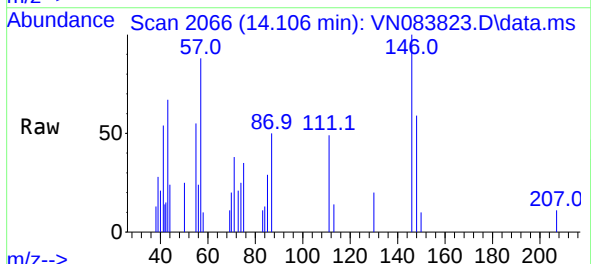
Instrument :  
MSVOA\_N  
ClientSampleId :  
9424-A-C

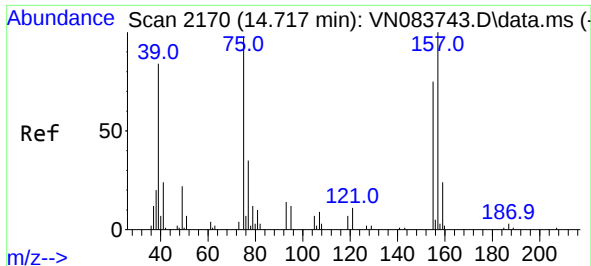
Tgt Ion:117 Resp: 1774  
Ion Ratio Lower Upper  
117 100  
201 0.0 32.8 98.3#



#91  
1,2-Dichlorobenzene  
Concen: 0.452 ug/l  
RT: 14.106 min Scan# 2066  
Delta R.T. 0.000 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

Tgt Ion:146 Resp: 2390  
Ion Ratio Lower Upper  
146 100  
111 48.2 22.8 68.3  
148 61.6 32.1 96.5

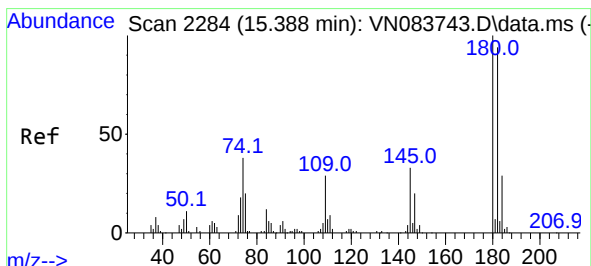
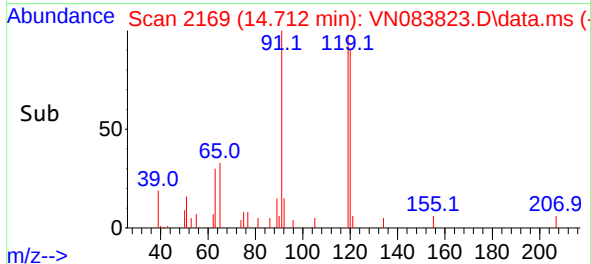
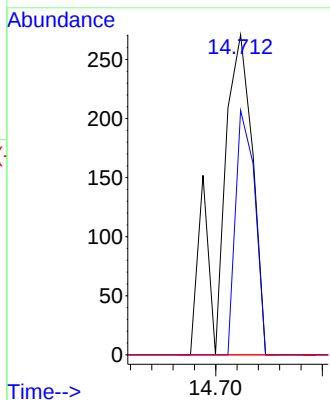
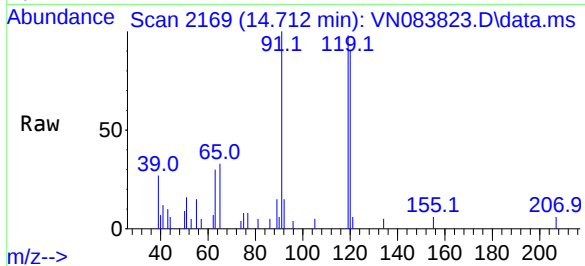




#92  
1,2-Dibromo-3-Chloropropane  
Concen: 0.400 ug/l  
RT: 14.712 min Scan# 2170  
Delta R.T. -0.006 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

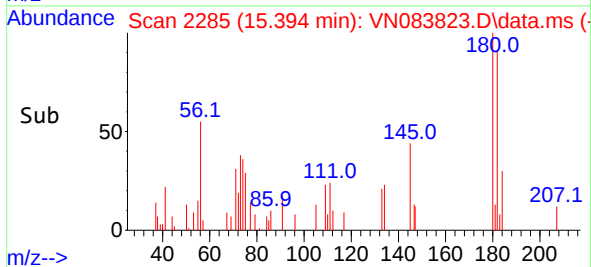
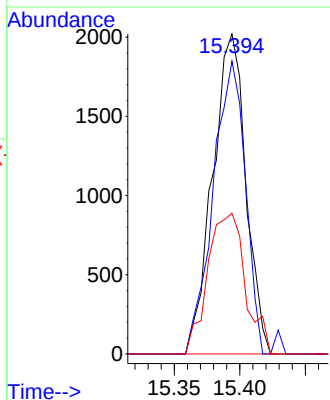
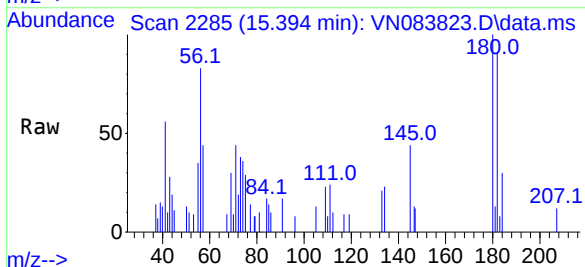
Instrument :  
MSVOA\_N  
ClientSampleId :  
9424-A-C

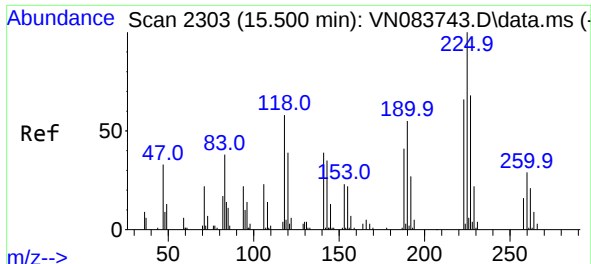
Tgt Ion: 75 Resp: 283  
Ion Ratio Lower Upper  
75 100  
155 45.9 35.9 107.7  
157 0.0 47.5 142.5#



#93  
1,2,4-Trichlorobenzene  
Concen: 1.252 ug/l  
RT: 15.394 min Scan# 2285  
Delta R.T. 0.006 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

Tgt Ion:180 Resp: 3555  
Ion Ratio Lower Upper  
180 100  
182 88.9 48.1 144.3  
145 49.8 16.9 50.7

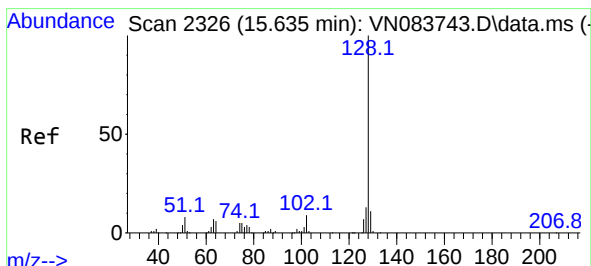
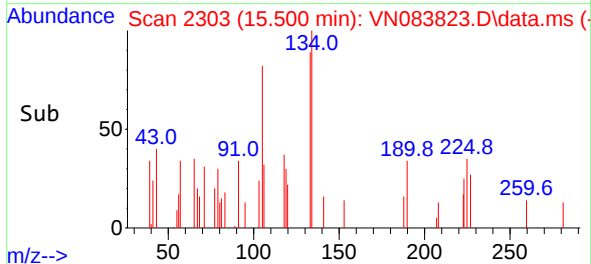
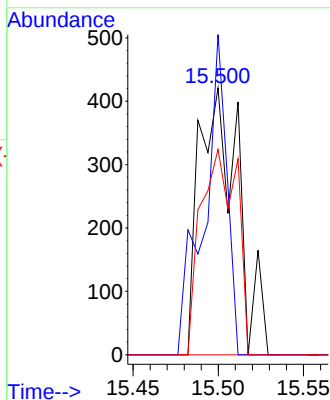
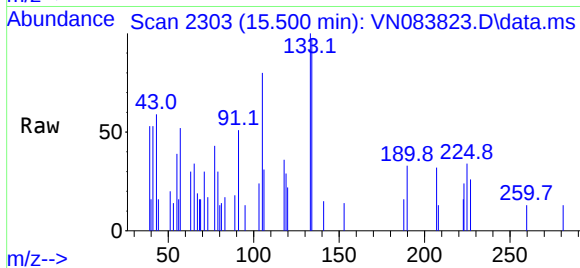




#94  
Hexachlorobutadiene  
Concen: 0.555 ug/l  
RT: 15.500 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

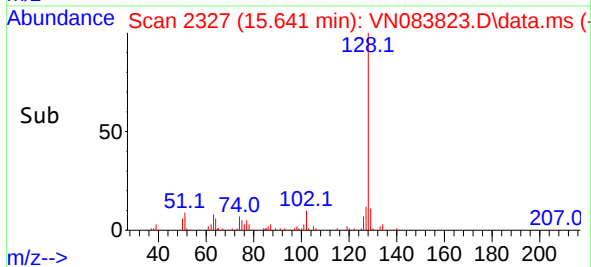
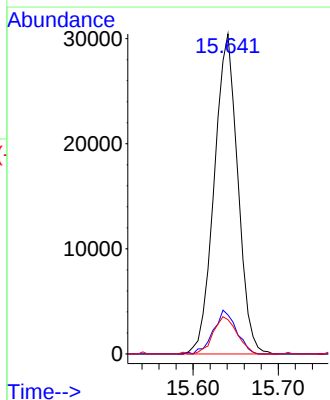
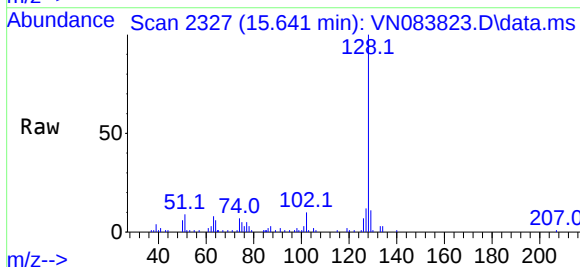
Instrument :  
MSVOA\_N  
ClientSampleId :  
9424-A-C

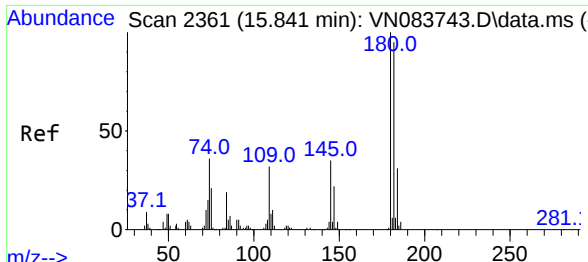
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 669   |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 70.4  | 31.9  | 95.5  |
| 227      | 71.3  | 32.0  | 96.2  |



#95  
Naphthalene  
Concen: 6.774 ug/l  
RT: 15.641 min Scan# 2327  
Delta R.T. 0.006 min  
Lab File: VN083823.D  
Acq: 12 Sep 2024 11:20

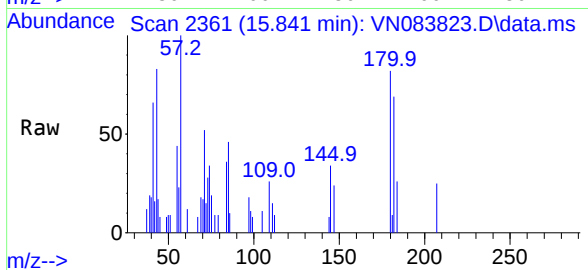
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 58512 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 13.4  | 10.2  | 15.2  |
| 129      | 11.8  | 8.7   | 13.1  |





#96  
 1,2,3-Trichlorobenzene  
 Concen: 1.228 ug/l  
 RT: 15.841 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VN083823.D  
 Acq: 12 Sep 2024 11:20

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 9424-A-C



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 3331  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 91.9  | 47.1  | 141.4 |
| 145      | 43.3  | 17.8  | 53.5  |

