

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092424\  
 Data File : VN084147.D  
 Acq On : 24 Sep 2024 20:19  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Sep 25 01:42:08 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      | 8.224  | 168  | 142873   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 248523   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 223400   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 109932   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 106722   | 49.539   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 99.080%  |
| 35) Dibromofluoromethane    | 8.165  | 113   | 82135    | 51.624   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 103.240% |
| 50) Toluene-d8              | 10.565 | 98    | 290305   | 52.781   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 105.560% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 111919   | 49.320   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 98.640%  |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 2.124 | 85  | 72945   | 43.963  | ug/l   | 100 |
| 3) Chloromethane             | 2.365 | 50  | 82106   | 48.399  | ug/l   | 96  |
| 4) Vinyl Chloride            | 2.518 | 62  | 83961   | 46.166  | ug/l   | 97  |
| 5) Bromomethane              | 2.948 | 94  | 51228   | 49.059  | ug/l   | 98  |
| 6) Chloroethane              | 3.118 | 64  | 57089   | 44.750  | ug/l   | 90  |
| 7) Trichlorofluoromethane    | 3.495 | 101 | 146031  | 47.303  | ug/l   | 100 |
| 8) Diethyl Ether             | 3.965 | 74  | 54064   | 52.244  | ug/l   | 94  |
| 9) 1,1,2-Trichlorotrifluo... | 4.371 | 101 | 84008   | 51.340  | ug/l   | 99  |
| 10) Methyl Iodide            | 4.589 | 142 | 102401  | 49.206  | ug/l   | 97  |
| 11) Tert butyl alcohol       | 5.524 | 59  | 95664   | 331.610 | ug/l   | 98  |
| 12) 1,1-Dichloroethene       | 4.342 | 96  | 78751   | 50.961  | ug/l   | 94  |
| 13) Acrolein                 | 4.177 | 56  | 90446   | 317.758 | ug/l   | 98  |
| 14) Allyl chloride           | 5.024 | 41  | 132358  | 48.068  | ug/l   | 98  |
| 15) Acrylonitrile            | 5.718 | 53  | 237610  | 302.867 | ug/l   | 99  |
| 16) Acetone                  | 4.430 | 43  | 202380  | 234.340 | ug/l   | 98  |
| 17) Carbon Disulfide         | 4.712 | 76  | 182539  | 42.228  | ug/l   | 100 |
| 18) Methyl Acetate           | 5.030 | 43  | 120323  | 67.519  | ug/l   | 99  |
| 19) Methyl tert-butyl Ether  | 5.795 | 73  | 301516  | 53.920  | ug/l   | 99  |
| 20) Methylene Chloride       | 5.277 | 84  | 91763   | 51.923  | ug/l   | 92  |
| 21) trans-1,2-Dichloroethene | 5.795 | 96  | 82089   | 49.567  | ug/l   | 96  |
| 22) Diisopropyl ether        | 6.671 | 45  | 324163  | 57.189  | ug/l   | 96  |
| 23) Vinyl Acetate            | 6.606 | 43  | 1171674 | 282.265 | ug/l   | 98  |
| 24) 1,1-Dichloroethane       | 6.565 | 63  | 173235  | 53.048  | ug/l   | 98  |
| 25) 2-Butanone               | 7.483 | 43  | 311885  | 274.768 | ug/l   | 98  |
| 26) 2,2-Dichloropropane      | 7.489 | 77  | 141689  | 47.114  | ug/l   | 98  |
| 27) cis-1,2-Dichloroethene   | 7.483 | 96  | 105375  | 53.600  | ug/l   | 98  |
| 28) Bromochloromethane       | 7.812 | 49  | 73828   | 53.684  | ug/l   | 91  |
| 29) Tetrahydrofuran          | 7.836 | 42  | 206683  | 307.946 | ug/l   | 97  |
| 30) Chloroform               | 7.965 | 83  | 184571  | 53.238  | ug/l   | 97  |
| 31) Cyclohexane              | 8.253 | 56  | 140659  | 45.176  | ug/l   | 98  |
| 32) 1,1,1-Trichloroethane    | 8.165 | 97  | 164957  | 51.746  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 8.371 | 75  | 118279  | 49.392  | ug/l   | 99  |
| 37) Ethyl Acetate            | 7.559 | 43  | 132281  | 60.856  | ug/l   | 98  |
| 38) Carbon Tetrachloride     | 8.365 | 117 | 139277  | 51.266  | ug/l   | 96  |
| 39) Methylcyclohexane        | 9.600 | 83  | 127948  | 46.940  | ug/l   | 98  |
| 40) Benzene                  | 8.606 | 78  | 380067  | 52.730  | ug/l   | 100 |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Sep 25 01:42:08 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) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.777  | 41   | 76150    | 59.232   | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 138505   | 51.426   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 227028   | 57.636   | ug/l   | 98       |
| 44) Trichloroethene           | 9.353  | 130  | 88588    | 53.075   | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.618  | 63   | 95994    | 55.103   | ug/l   | 99       |
| 46) Dibromomethane            | 9.706  | 93   | 67265    | 55.126   | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.888  | 83   | 149637   | 56.664   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.683  | 41   | 108215   | 57.906   | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 38483    | 1251.757 | ug/l # | 97       |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43   | 672930   | 313.838  | ug/l   | 99       |
| 52) Toluene                   | 10.630 | 92   | 232920   | 52.831   | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 148568   | 55.503   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 156075   | 55.509   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 11.012 | 97   | 91511    | 55.598   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.871 | 69   | 154175   | 60.883   | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 160830   | 56.854   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 330116   | 361.789  | ug/l   | 97       |
| 59) 2-Hexanone                | 11.194 | 43   | 488342   | 307.886  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.359 | 129  | 109160   | 59.261   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.465 | 107  | 91210    | 55.565   | ug/l   | 100      |
| 64) Tetrachloroethene         | 11.100 | 164  | 73858    | 49.714   | ug/l   | 95       |
| 65) Chlorobenzene             | 11.888 | 112  | 255702   | 51.499   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 91628    | 53.232   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.965 | 91   | 459624   | 52.110   | ug/l   | 98       |
| 68) m/p-Xylenes               | 12.071 | 106  | 341964   | 104.428  | ug/l   | 100      |
| 69) o-Xylene                  | 12.400 | 106  | 167905   | 52.965   | ug/l   | 98       |
| 70) Styrene                   | 12.412 | 104  | 292669   | 56.254   | ug/l   | 99       |
| 71) Bromoform                 | 12.576 | 173  | 69628    | 60.029   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.694 | 105  | 436864   | 51.365   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.494 | 43   | 205747   | 56.700   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 132646   | 53.081   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 174974   | 78.881   | ug/l   | 61       |
| 77) Bromobenzene              | 12.976 | 156  | 101646   | 49.650   | ug/l   | 100      |
| 78) n-propylbenzene           | 13.035 | 91   | 521262   | 52.676   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 322776   | 51.145   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.171 | 105  | 372617   | 51.965   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 45950    | 54.254   | ug/l   | 100      |
| 82) 4-Chlorotoluene           | 13.218 | 91   | 324648   | 51.262   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.435 | 119  | 321549   | 51.255   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 377370   | 52.391   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.612 | 105  | 442550   | 53.191   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 366208   | 52.507   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 190397   | 49.279   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 193911   | 49.565   | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.053 | 91   | 322164   | 51.448   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.329 | 117  | 71042    | 50.673   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 187886   | 50.388   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 26937    | 54.075   | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 94463    | 47.209   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 40471    | 47.626   | ug/l   | 98       |
| 95) Naphthalene               | 15.635 | 128  | 316364   | 51.968   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 91671    | 47.937   | ug/l   | 98       |

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Data File : VN084147.D  
Acq On : 24 Sep 2024 20:19  
Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

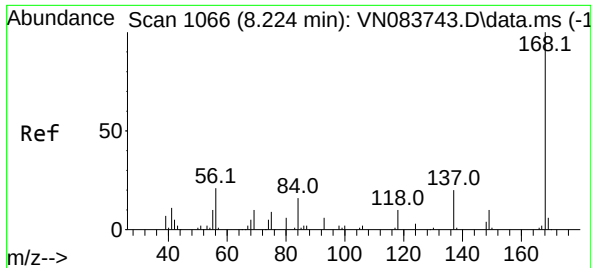
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 11 15:18:56 2024  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

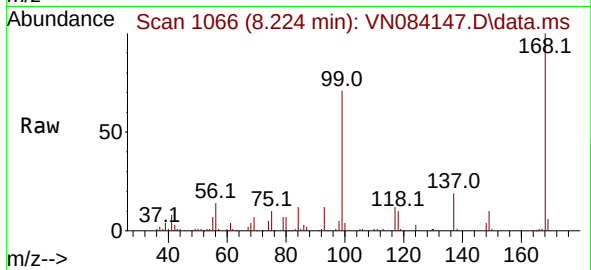
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Quant Title : SW846 8260  
QLast Update : Wed Sep 11 15:18:56 2024  
Response via : Initial Calibration



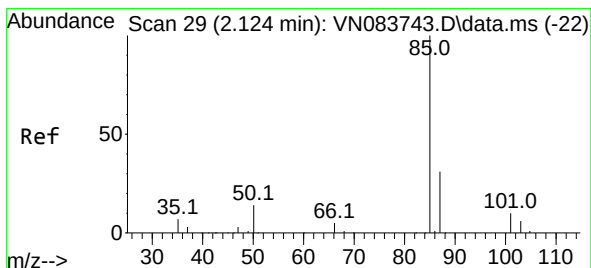
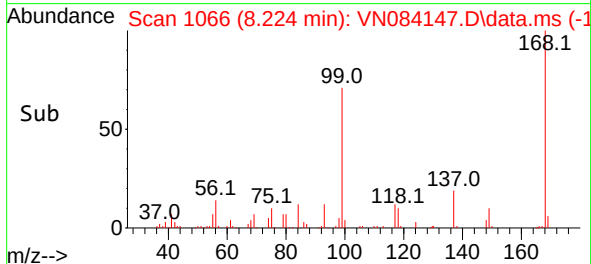
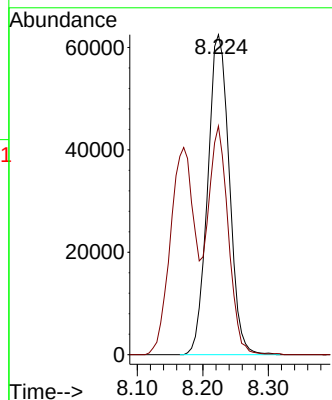


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

Instrument :  
MSVOA\_N  
ClientSampleId :

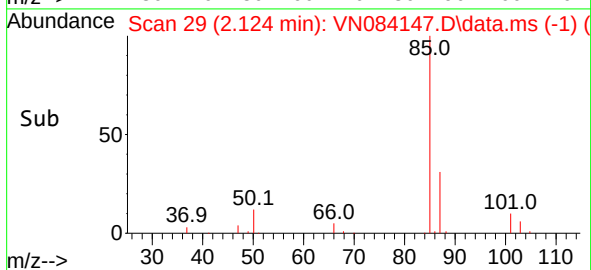
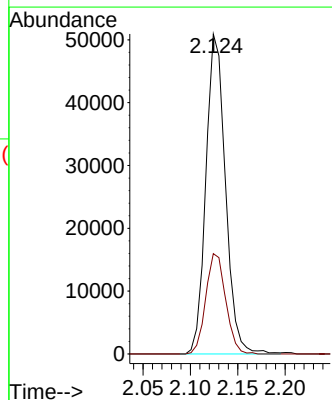
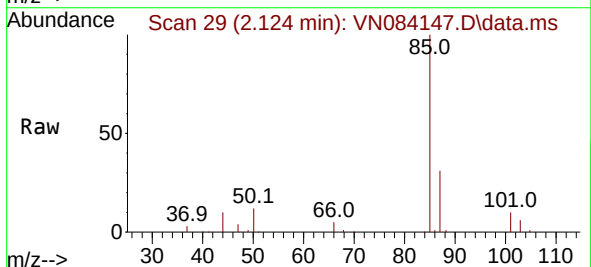


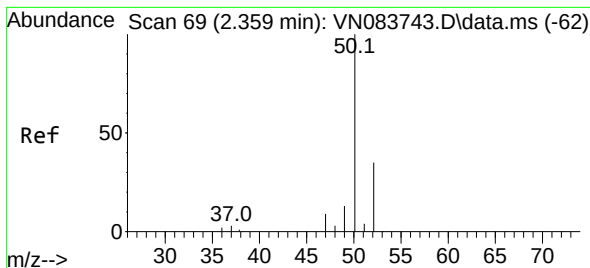
Tgt Ion:168 Resp: 142873  
Ion Ratio Lower Upper  
168 100  
99 71.2 54.2 81.2



#2  
Dichlorodifluoromethane  
Concen: 43.963 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

Tgt Ion: 85 Resp: 72945  
Ion Ratio Lower Upper  
85 100  
87 31.4 15.7 47.0





#3

Chloromethane

Concen: 48.399 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

Instrument :

MSVOA\_N

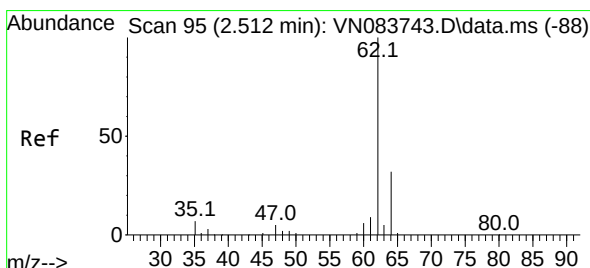
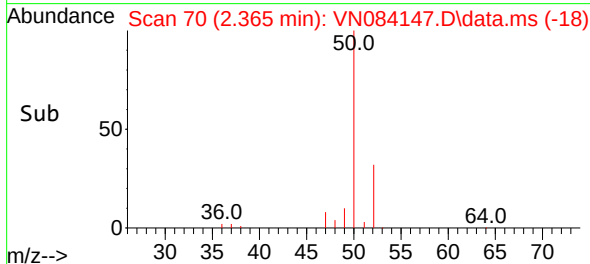
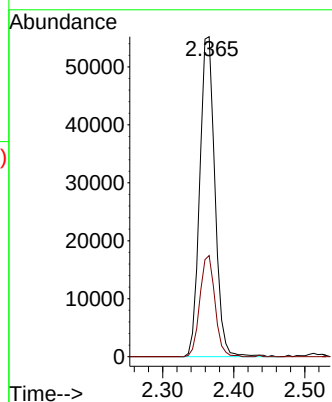
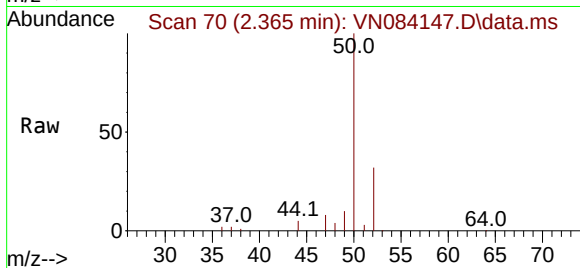
ClientSampleId :

Tgt Ion: 50 Resp: 82106

Ion Ratio Lower Upper

50 100

52 31.6 27.2 40.8



#4

Vinyl Chloride

Concen: 46.166 ug/l

RT: 2.518 min Scan# 96

Delta R.T. 0.006 min

Lab File: VN084147.D

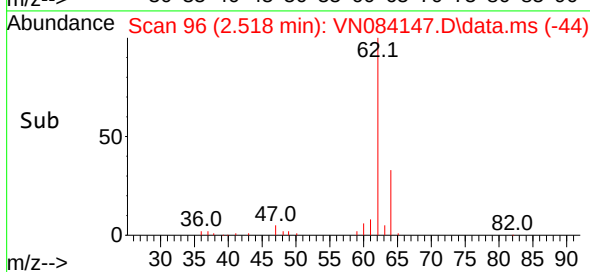
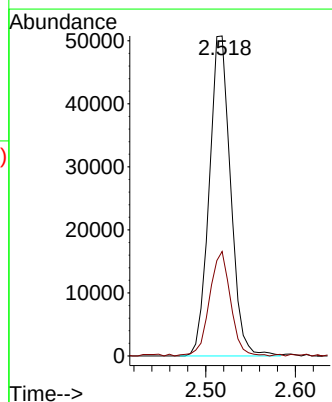
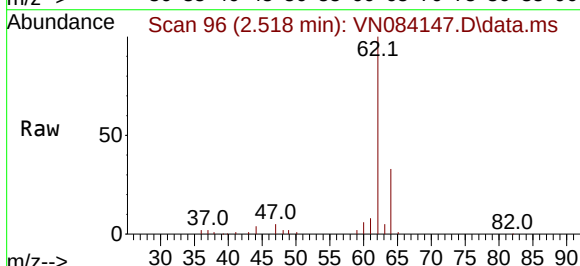
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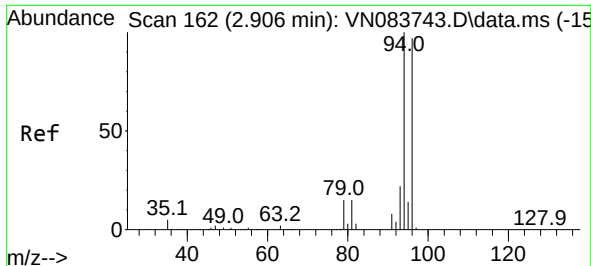
Tgt Ion: 62 Resp: 83961

Ion Ratio Lower Upper

62 100

64 32.3 24.7 37.1

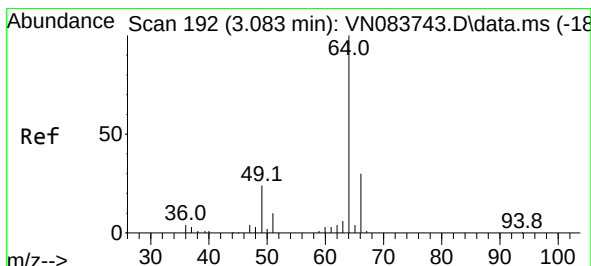
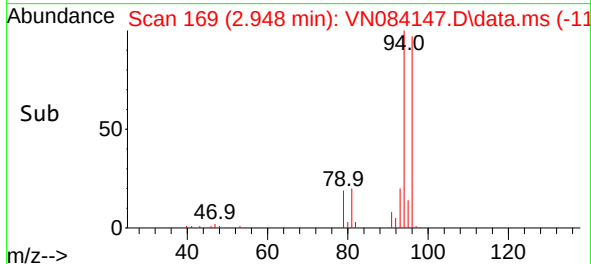
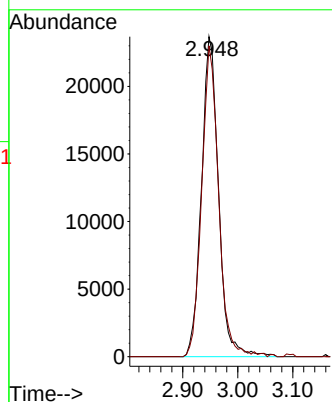
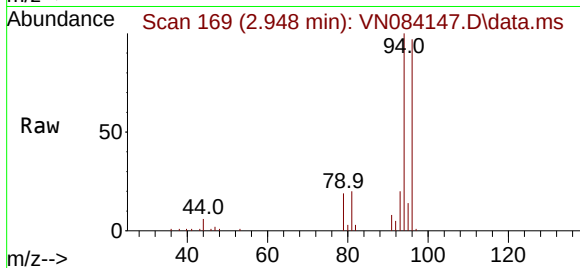




#5  
Bromomethane  
Concen: 49.059 ug/l  
RT: 2.948 min Scan# 1  
Delta R.T. 0.041 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

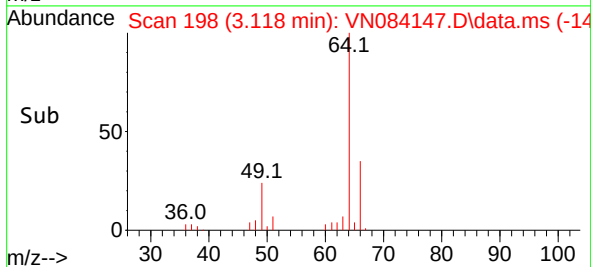
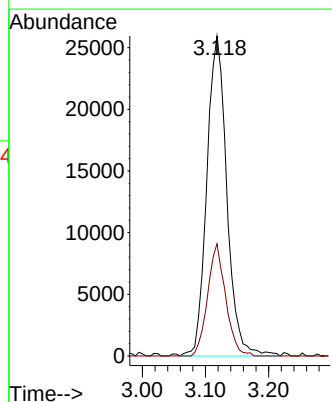
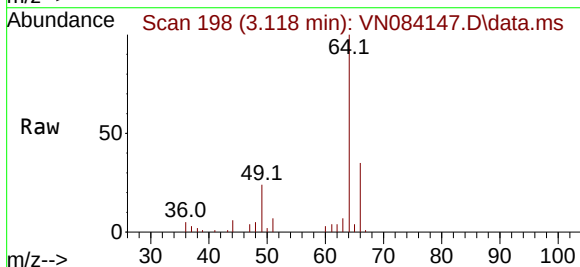
Instrument :  
MSVOA\_N  
ClientSampleId :

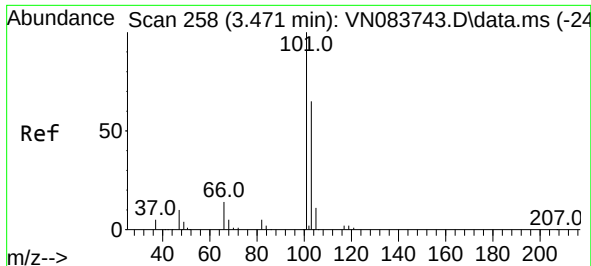
Tgt Ion: 94 Resp: 51228  
Ion Ratio Lower Upper  
94 100  
96 97.2 76.0 114.0



#6  
Chloroethane  
Concen: 44.750 ug/l  
RT: 3.118 min Scan# 198  
Delta R.T. 0.035 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

Tgt Ion: 64 Resp: 57089  
Ion Ratio Lower Upper  
64 100  
66 35.1 23.9 35.9

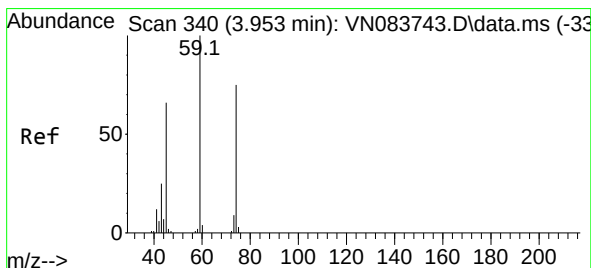
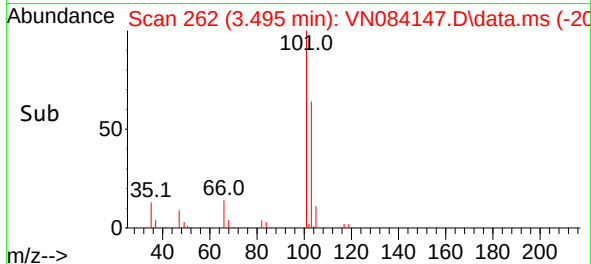
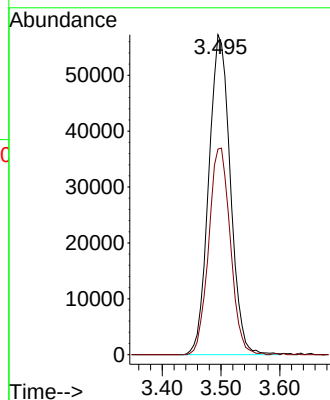
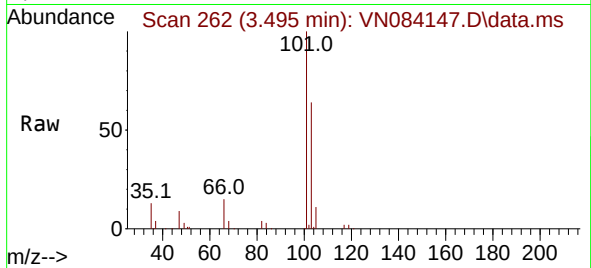




#7  
Trichlorofluoromethane  
Concen: 47.303 ug/l  
RT: 3.495 min Scan# 20  
Delta R.T. 0.024 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

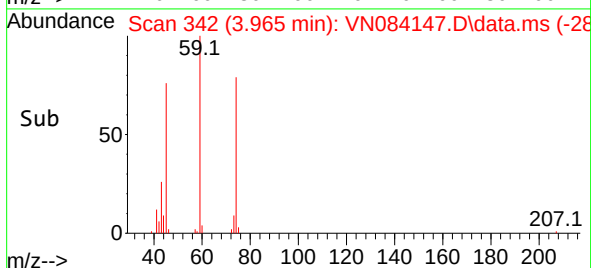
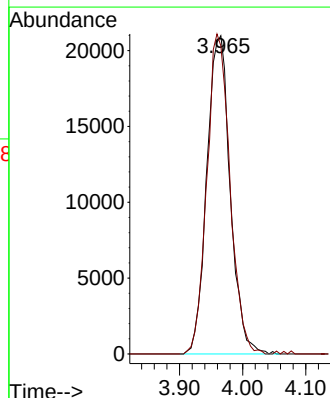
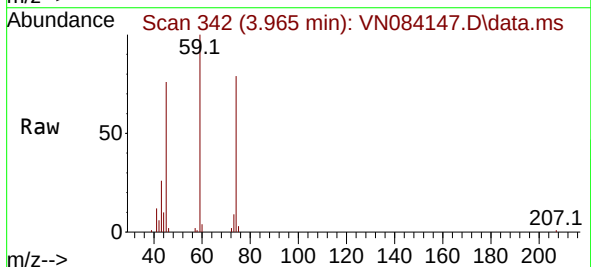
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion:101 Resp: 146031  
Ion Ratio Lower Upper  
101 100  
103 64.3 51.4 77.0

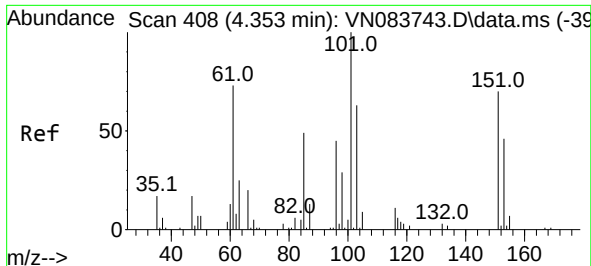


#8  
Diethyl Ether  
Concen: 52.244 ug/l  
RT: 3.965 min Scan# 342  
Delta R.T. 0.012 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

Tgt Ion: 74 Resp: 54064  
Ion Ratio Lower Upper  
74 100  
45 99.4 46.7 140.1



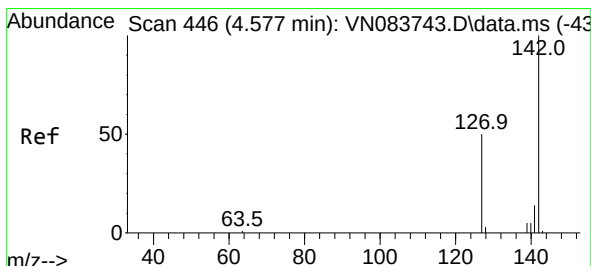
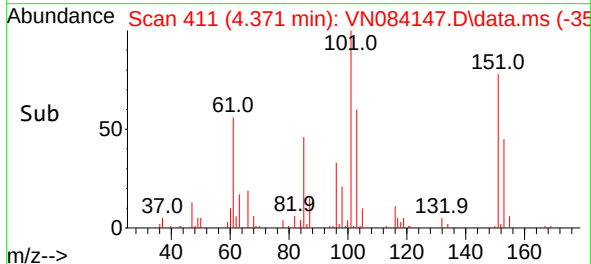
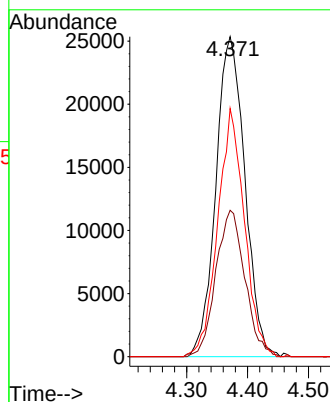
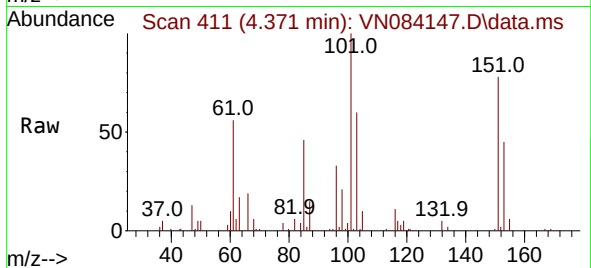




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 51.340 ug/l  
RT: 4.371 min Scan# 411  
Delta R.T. 0.018 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

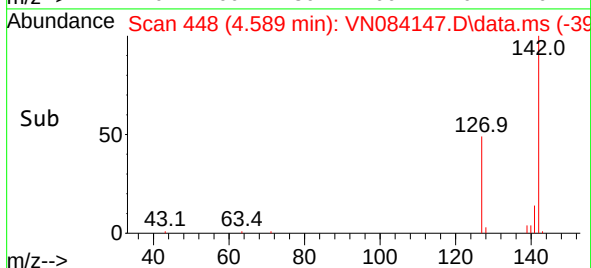
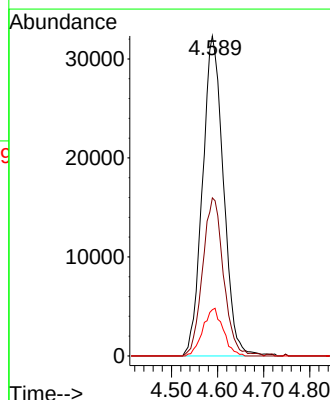
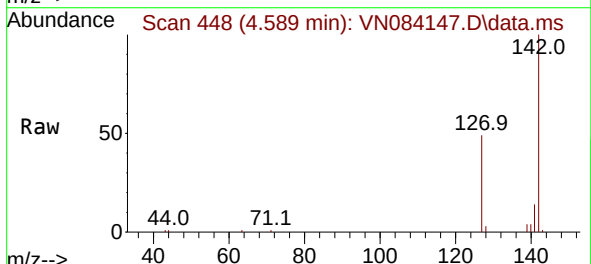
Instrument :  
MSVOA\_N  
ClientSampleId :

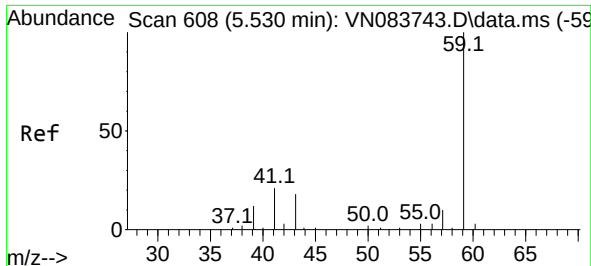
Tgt Ion:101 Resp: 84008  
Ion Ratio Lower Upper  
101 100  
85 45.7 36.2 54.4  
151 71.4 57.7 86.5



#10  
Methyl Iodide  
Concen: 49.206 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. 0.012 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

Tgt Ion:142 Resp: 102401  
Ion Ratio Lower Upper  
142 100  
127 49.4 37.5 56.3  
141 14.4 11.0 16.4

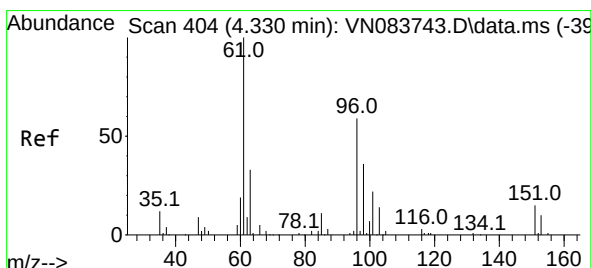
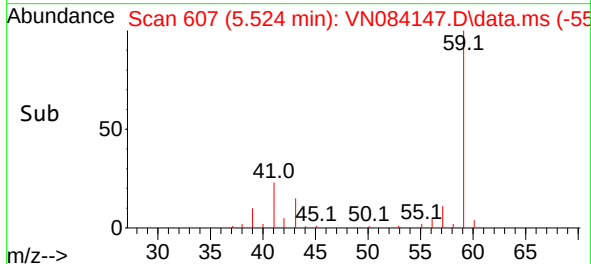
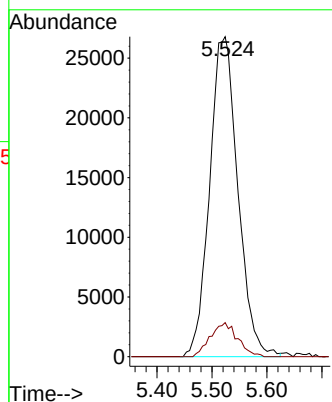
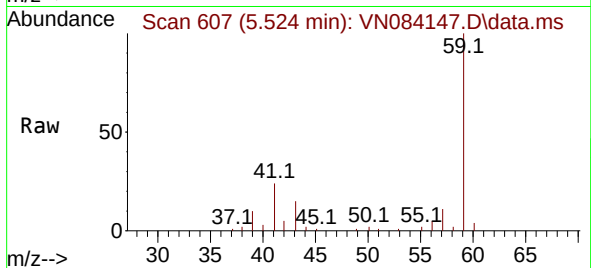




#11  
Tert butyl alcohol  
Concen: 331.610 ug/l  
RT: 5.524 min Scan# 608  
Delta R.T. -0.006 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

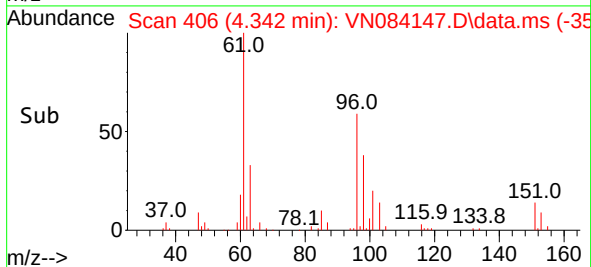
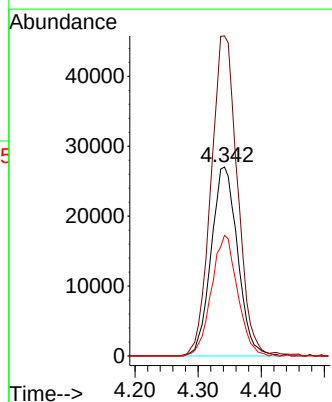
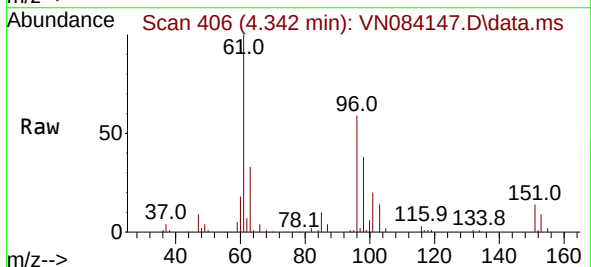
Instrument :  
MSVOA\_N  
ClientSampleId :

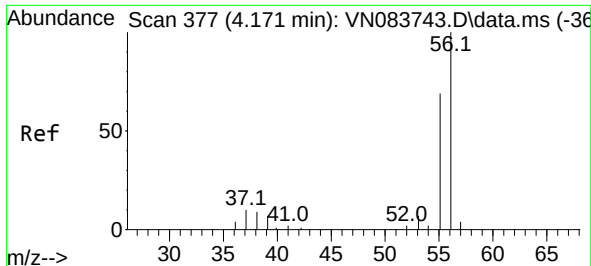
Tgt Ion: 59 Resp: 95664  
Ion Ratio Lower Upper  
59 100  
57 10.2 8.7 13.1



#12  
1,1-Dichloroethene  
Concen: 50.961 ug/l  
RT: 4.342 min Scan# 406  
Delta R.T. 0.012 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

Tgt Ion: 96 Resp: 78751  
Ion Ratio Lower Upper  
96 100  
61 169.3 143.4 215.0  
98 63.8 52.7 79.1

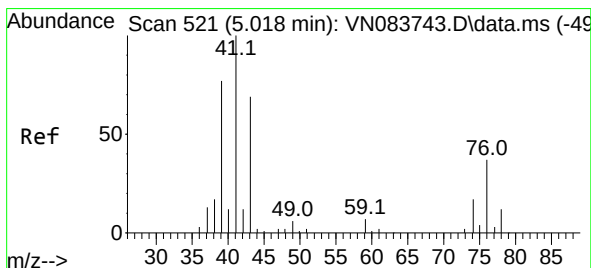
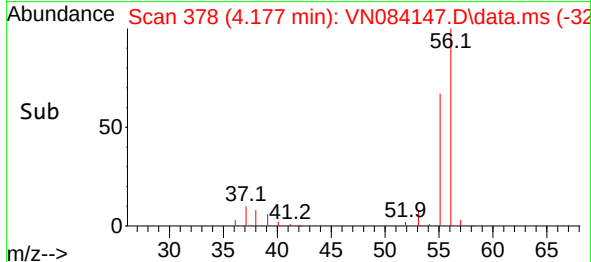
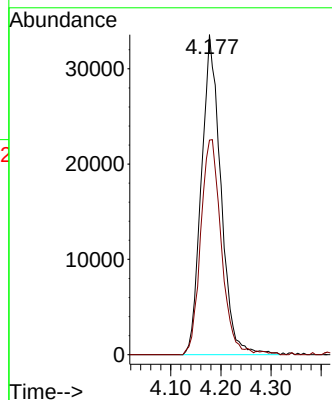
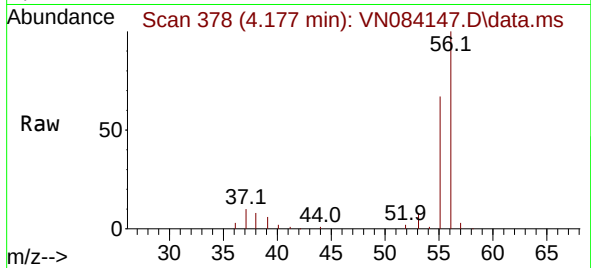




#13  
Acrolein  
Concen: 317.758 ug/l  
RT: 4.177 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

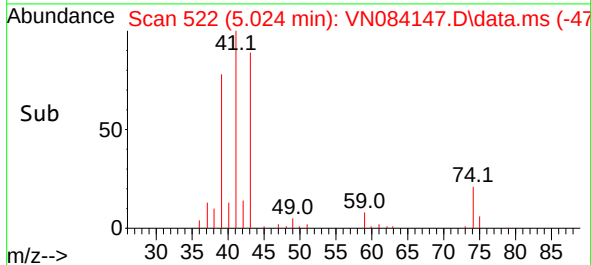
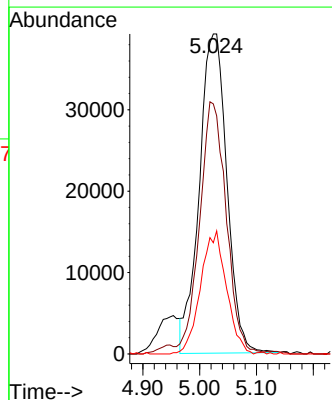
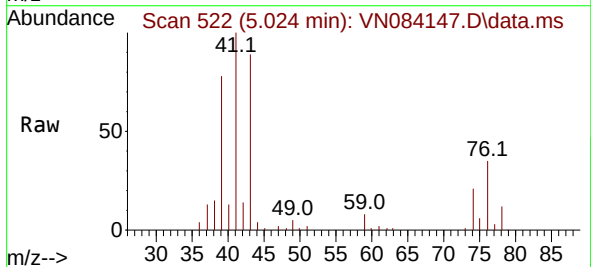
Instrument :  
MSVOA\_N  
ClientSampleId :

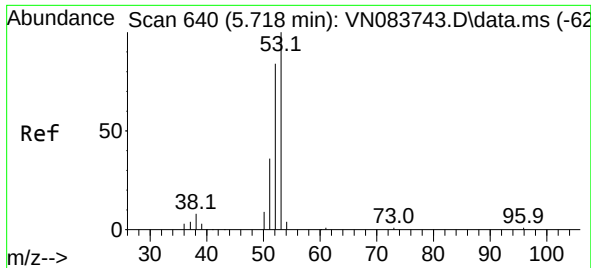
Tgt Ion: 56 Resp: 90446  
Ion Ratio Lower Upper  
56 100  
55 70.8 58.2 87.2



#14  
Allyl chloride  
Concen: 48.068 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.006 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

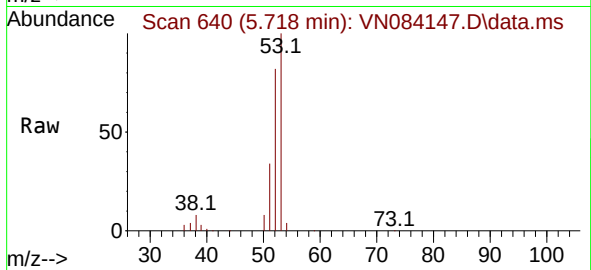
Tgt Ion: 41 Resp: 132358  
Ion Ratio Lower Upper  
41 100  
39 75.1 59.3 88.9  
76 36.1 27.7 41.5



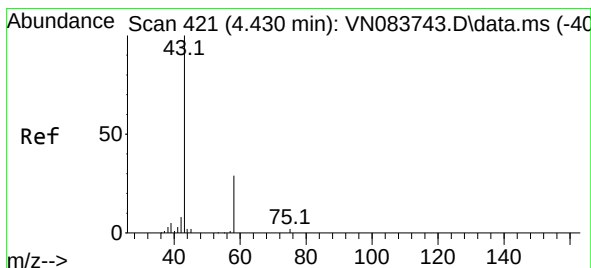
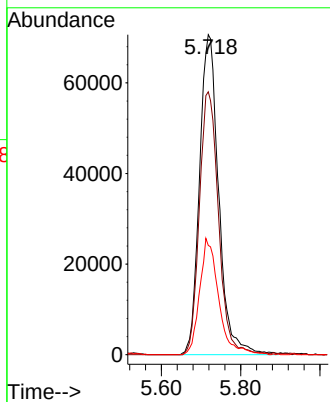
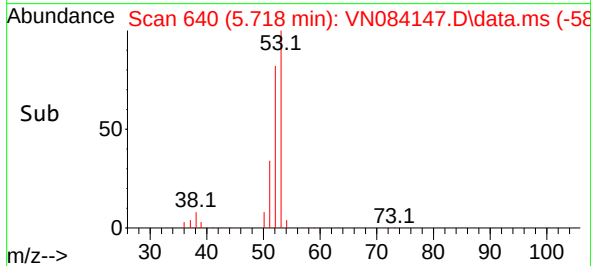


#15  
Acrylonitrile  
Concen: 302.867 ug/l  
RT: 5.718 min Scan# 640  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

Instrument :  
MSVOA\_N  
ClientSampleId :

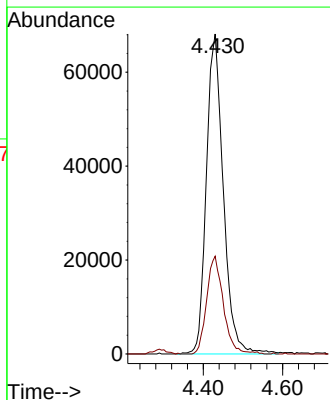
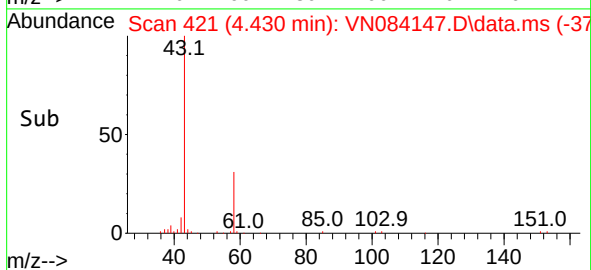
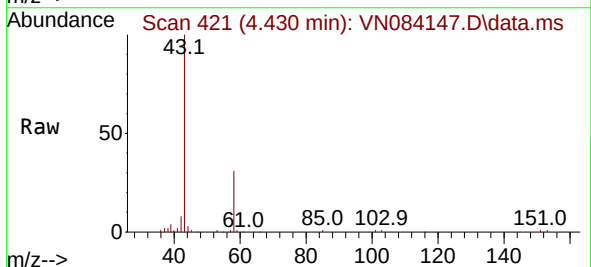


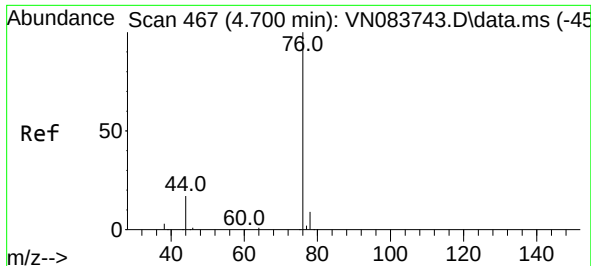
Tgt Ion: 53 Resp: 237610  
Ion Ratio Lower Upper  
53 100  
52 81.7 66.1 99.1  
51 36.0 29.6 44.4



#16  
Acetone  
Concen: 234.340 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

Tgt Ion: 43 Resp: 202380  
Ion Ratio Lower Upper  
43 100  
58 30.6 23.7 35.5

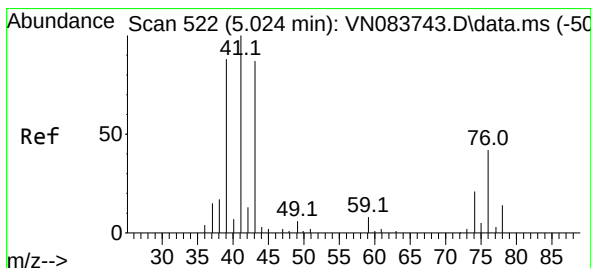
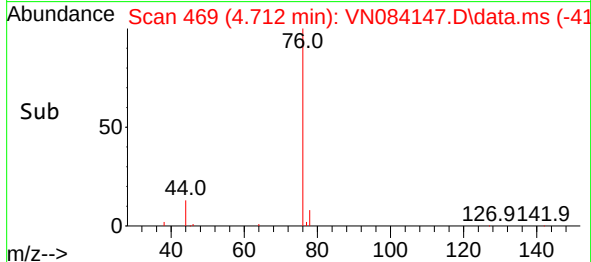
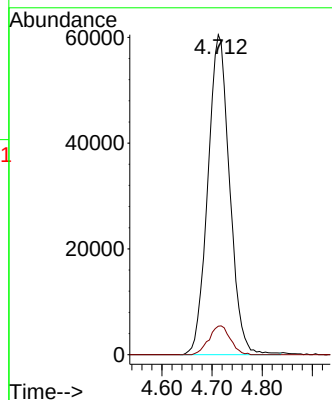
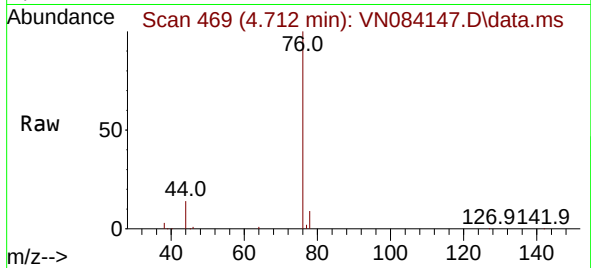




#17  
Carbon Disulfide  
Concen: 42.228 ug/l  
RT: 4.712 min Scan# 469  
Delta R.T. 0.012 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

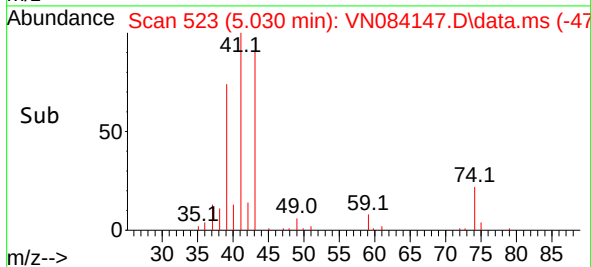
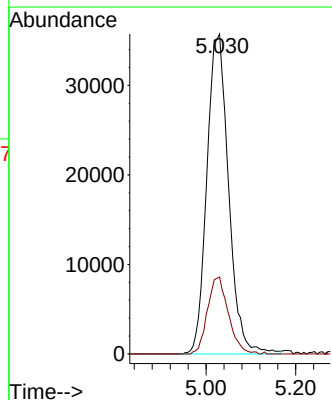
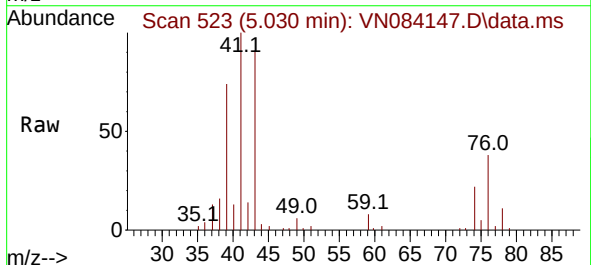
Instrument :  
MSVOA\_N  
ClientSampleId :

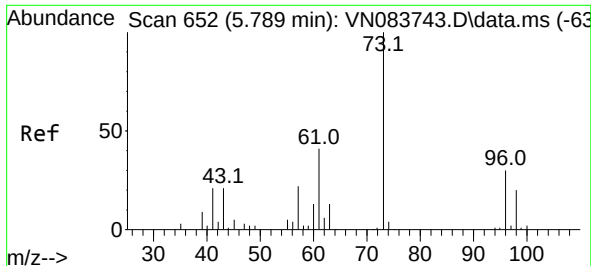
Tgt Ion: 76 Resp: 182539  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.1 10.7



#18  
Methyl Acetate  
Concen: 67.519 ug/l  
RT: 5.030 min Scan# 523  
Delta R.T. 0.006 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

Tgt Ion: 43 Resp: 120323  
Ion Ratio Lower Upper  
43 100  
74 23.1 19.0 28.4





#19

Methyl tert-butyl Ether

Concen: 53.920 ug/l

RT: 5.795 min Scan# 61

Delta R.T. 0.006 min

Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

Instrument :

MSVOA\_N

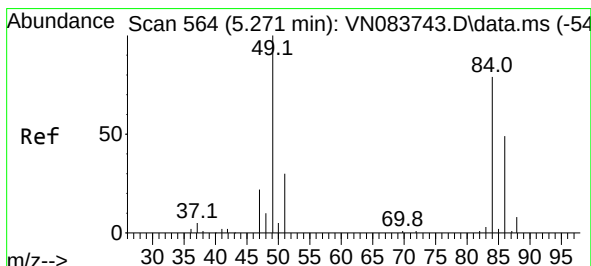
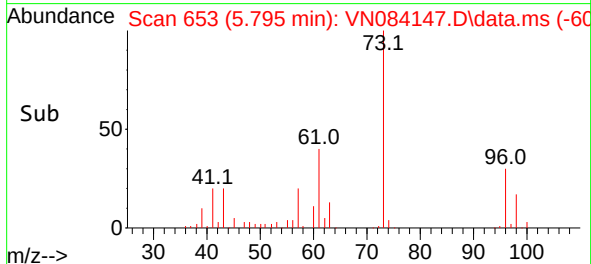
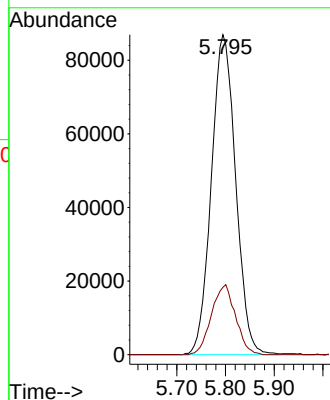
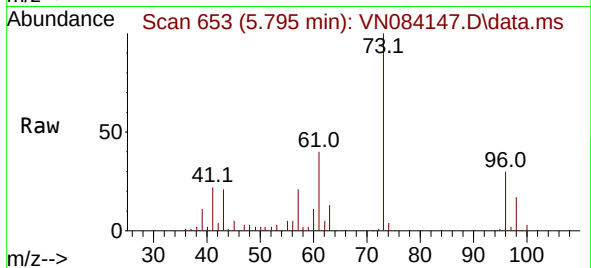
ClientSampleId :

Tgt Ion: 73 Resp: 301516

Ion Ratio Lower Upper

73 100

57 21.1 17.0 25.6



#20

Methylene Chloride

Concen: 51.923 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.006 min

Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

Tgt Ion: 84 Resp: 91763

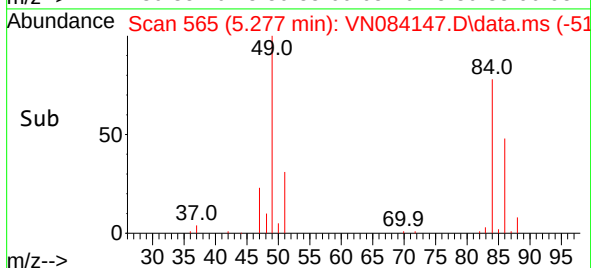
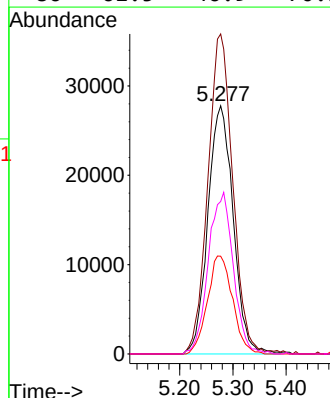
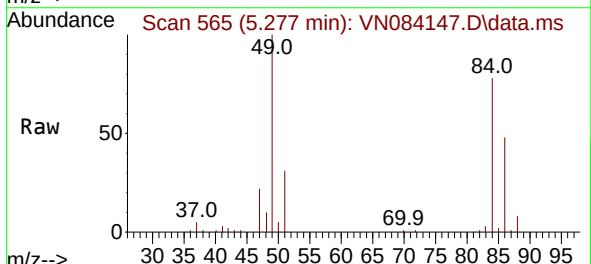
Ion Ratio Lower Upper

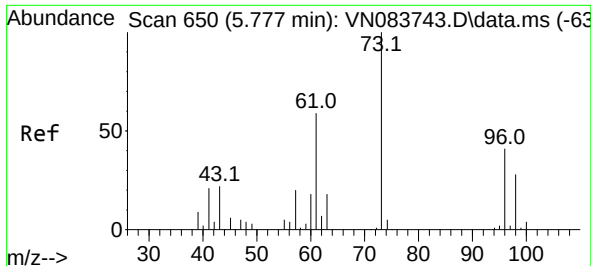
84 100

49 128.9 93.4 140.0

51 39.4 29.2 43.8

86 61.5 46.9 70.3

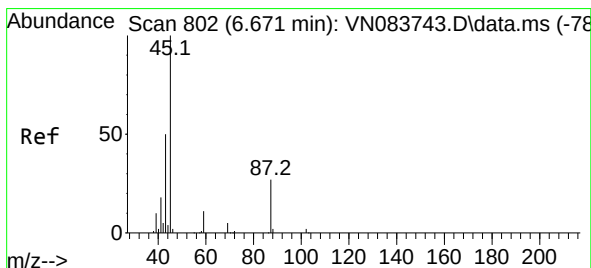
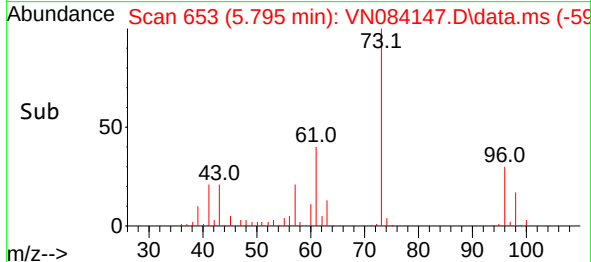
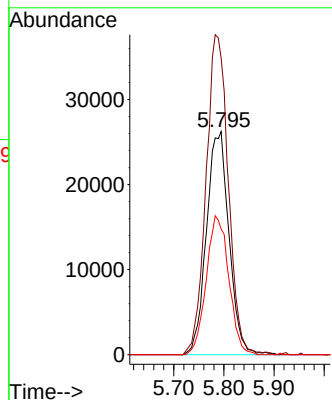
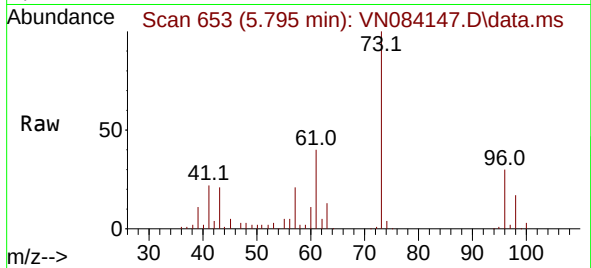




#21  
trans-1,2-Dichloroethene  
Concen: 49.567 ug/l  
RT: 5.795 min Scan# 61  
Delta R.T. 0.018 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

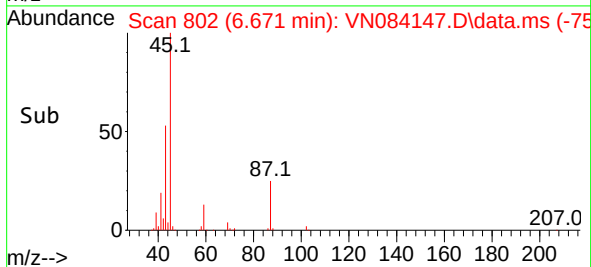
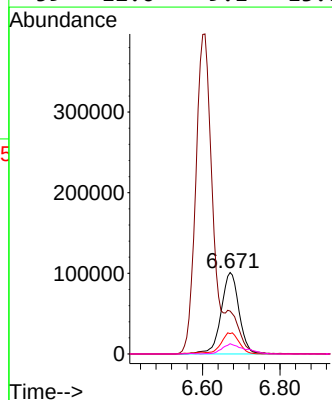
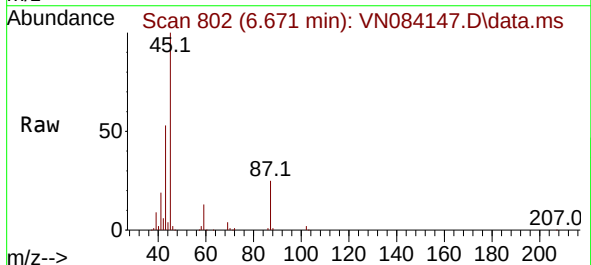
Instrument :  
MSVOA\_N  
ClientSampleId :

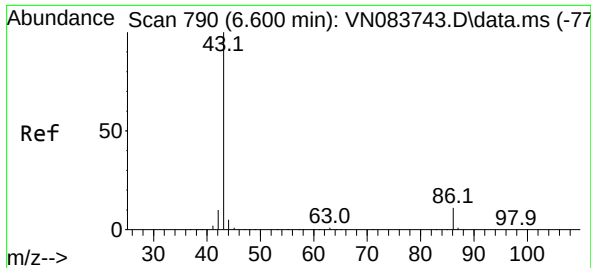
Tgt Ion: 96 Resp: 82089  
Ion Ratio Lower Upper  
96 100  
61 132.8 106.0 159.0  
98 56.3 52.2 78.2



#22  
Diisopropyl ether  
Concen: 57.189 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

Tgt Ion: 45 Resp: 324163  
Ion Ratio Lower Upper  
45 100  
43 52.0 43.4 65.0  
87 25.0 22.6 33.8  
59 12.6 9.1 13.7

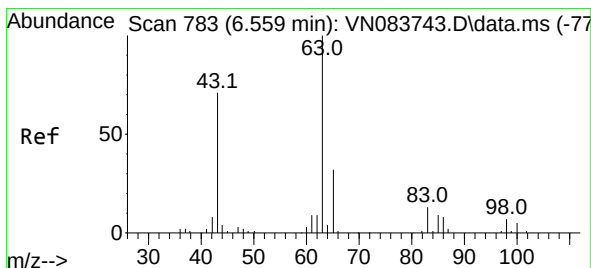
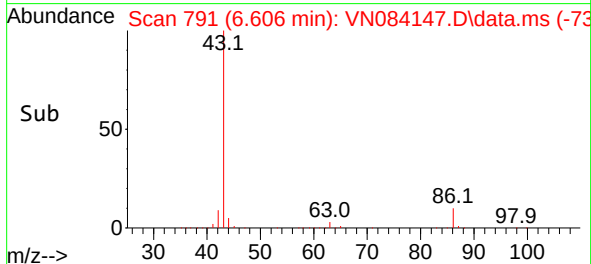
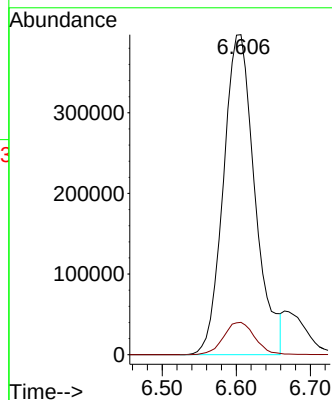
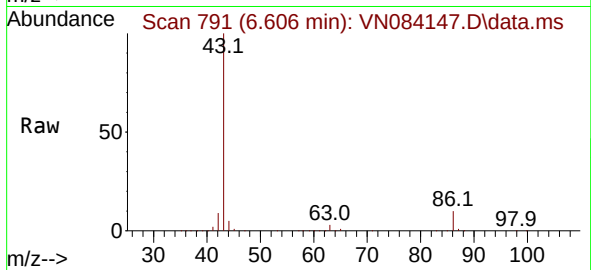




#23  
 Vinyl Acetate  
 Concen: 282.265 ug/l  
 RT: 6.606 min Scan# 791  
 Delta R.T. 0.006 min  
 Lab File: VN084147.D  
 Acq: 24 Sep 2024 20:19

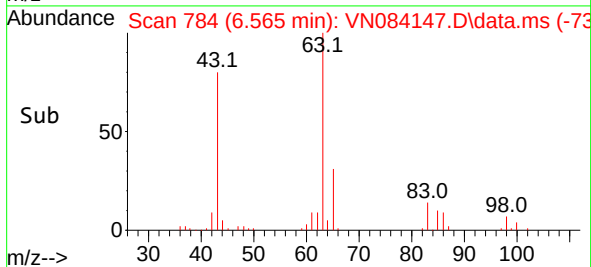
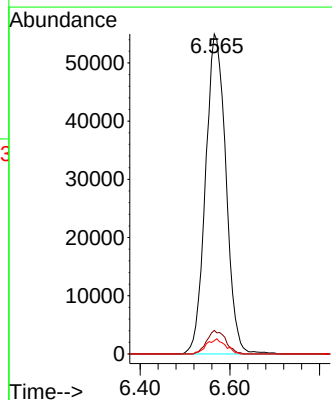
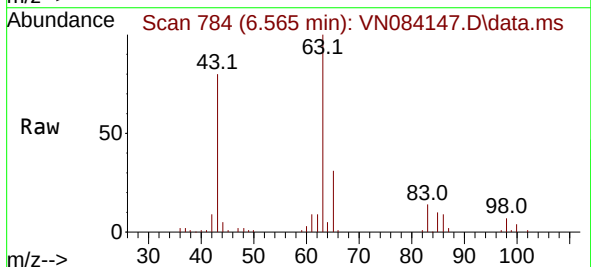
Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tgt Ion: 43 Resp: 1171674  
 Ion Ratio Lower Upper  
 43 100  
 86 10.1 8.7 13.1

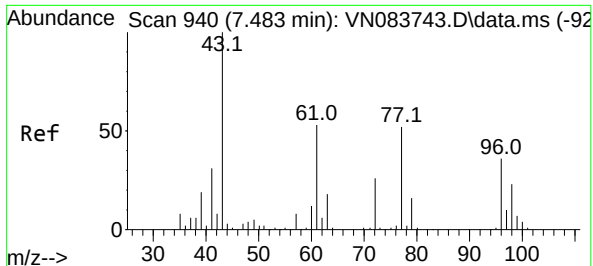


#24  
 1,1-Dichloroethane  
 Concen: 53.048 ug/l  
 RT: 6.565 min Scan# 784  
 Delta R.T. 0.006 min  
 Lab File: VN084147.D  
 Acq: 24 Sep 2024 20:19

Tgt Ion: 63 Resp: 173235  
 Ion Ratio Lower Upper  
 63 100  
 98 7.3 3.5 10.4  
 100 4.1 2.5 7.5



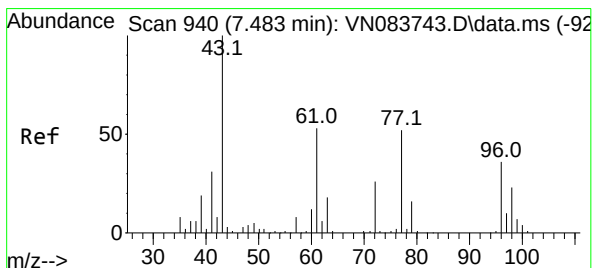
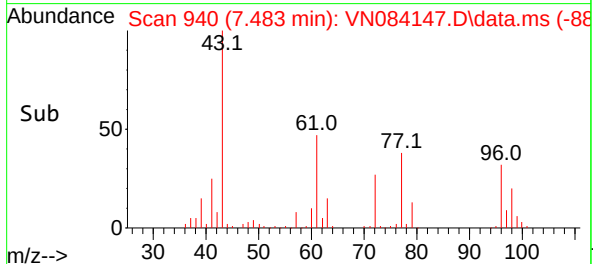
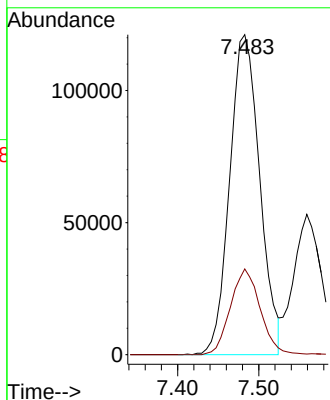
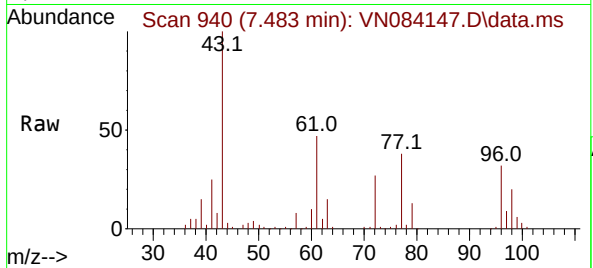




#25  
2-Butanone  
Concen: 274.768 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

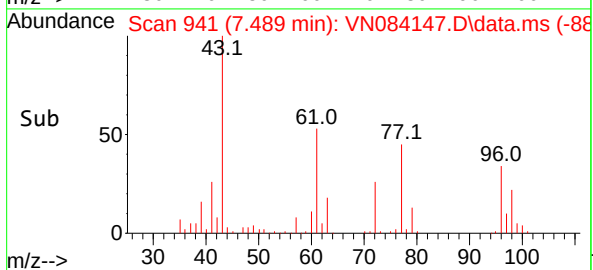
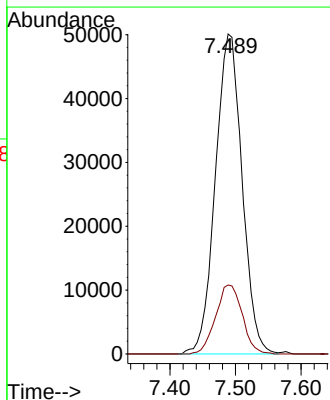
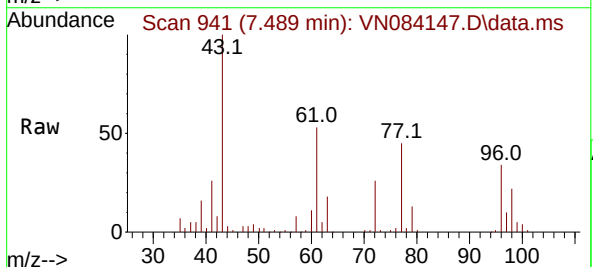
Instrument :  
MSVOA\_N  
ClientSampleId :

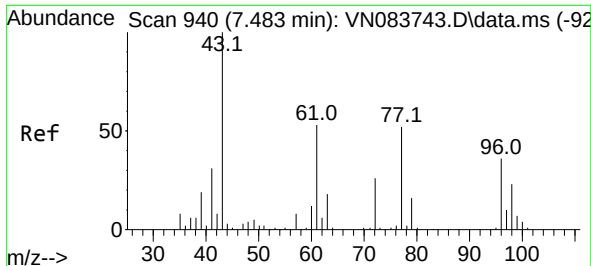
Tgt Ion: 43 Resp: 311885  
Ion Ratio Lower Upper  
43 100  
72 26.8 20.8 31.2



#26  
2,2-Dichloropropane  
Concen: 47.114 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

Tgt Ion: 77 Resp: 141689  
Ion Ratio Lower Upper  
77 100  
97 21.4 10.2 30.4

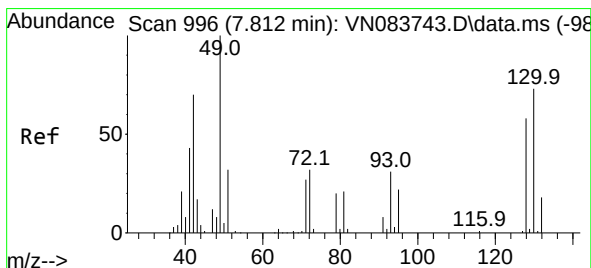
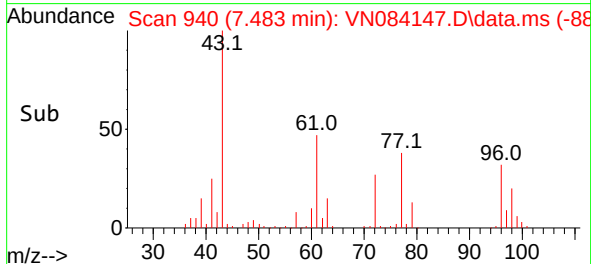
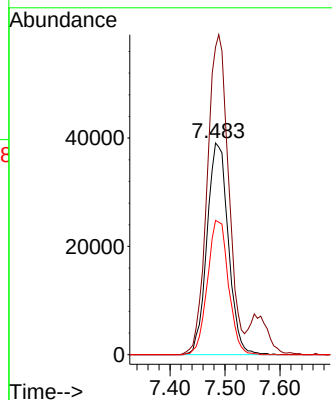
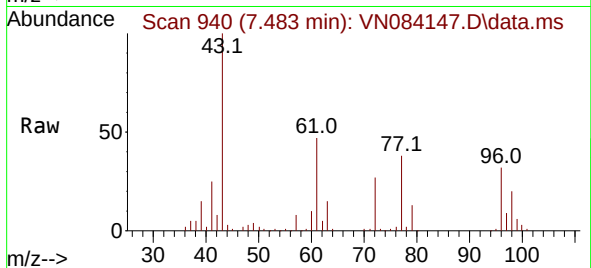




#27  
 cis-1,2-Dichloroethene  
 Concen: 53.600 ug/l  
 RT: 7.483 min Scan# 940  
 Delta R.T. 0.000 min  
 Lab File: VN084147.D  
 Acq: 24 Sep 2024 20:19

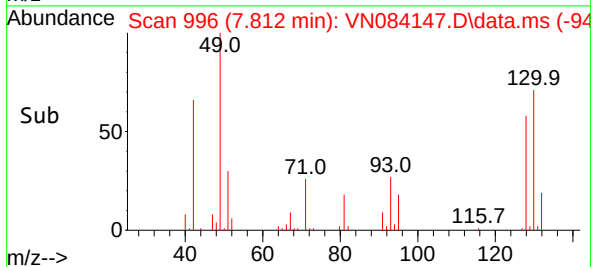
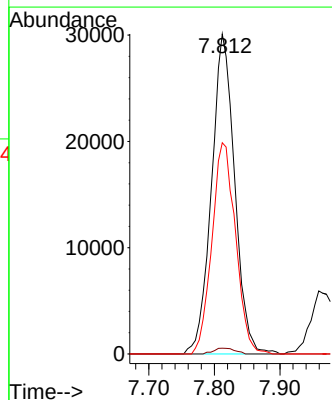
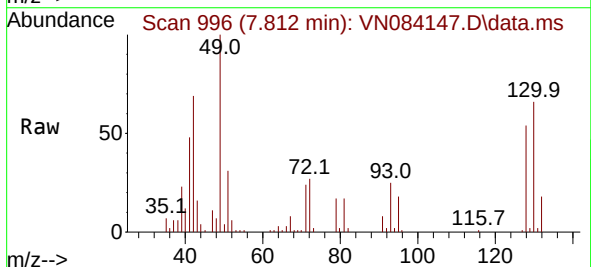
Instrument :  
 MSVOA\_N  
 ClientSampleId :

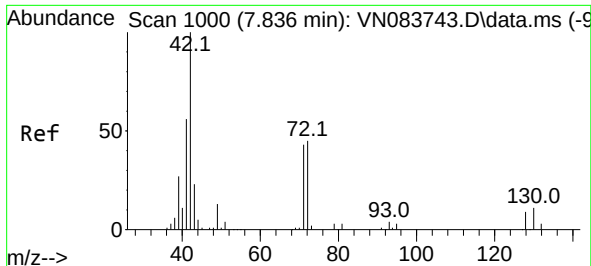
Tgt Ion: 96 Resp: 105375  
 Ion Ratio Lower Upper  
 96 100  
 61 151.4 0.0 306.2  
 98 62.5 0.0 128.6



#28  
 Bromochloromethane  
 Concen: 53.684 ug/l  
 RT: 7.812 min Scan# 996  
 Delta R.T. 0.000 min  
 Lab File: VN084147.D  
 Acq: 24 Sep 2024 20:19

Tgt Ion: 49 Resp: 73828  
 Ion Ratio Lower Upper  
 49 100  
 129 1.7 0.0 3.4  
 130 67.4 60.2 90.2





#29

Tetrahydrofuran

Concen: 307.946 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

Instrument :

MSVOA\_N

ClientSampleId :

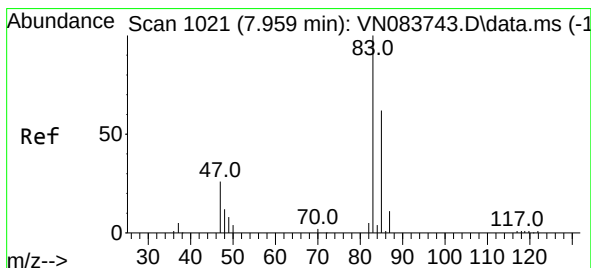
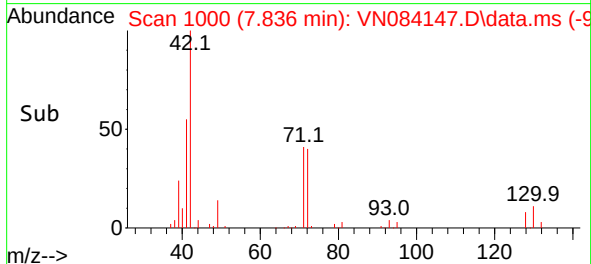
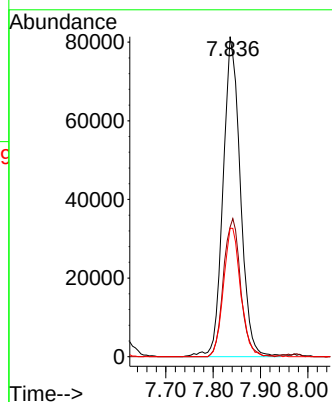
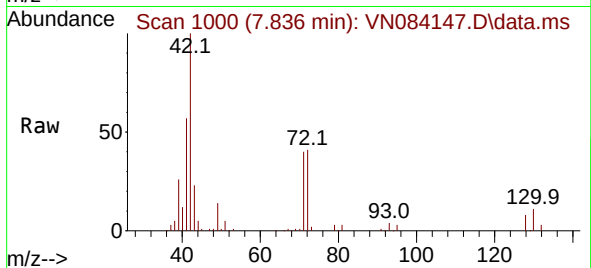
Tgt Ion: 42 Resp: 206683

Ion Ratio Lower Upper

42 100

72 42.8 35.9 53.9

71 39.9 33.9 50.9



#30

Chloroform

Concen: 53.238 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN084147.D

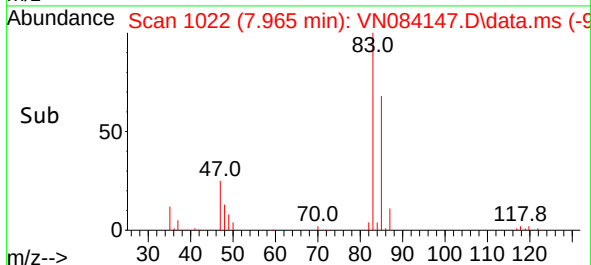
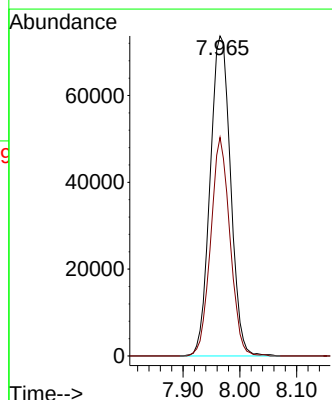
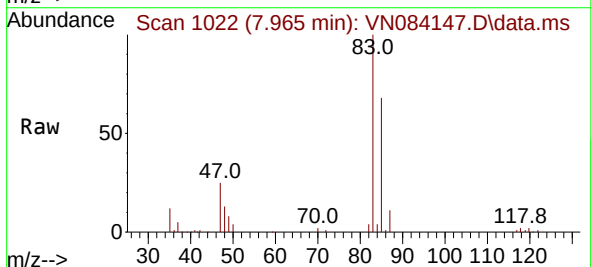
Acq: 24 Sep 2024 20:19

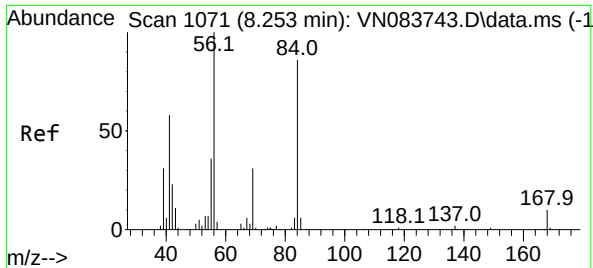
Tgt Ion: 83 Resp: 184571

Ion Ratio Lower Upper

83 100

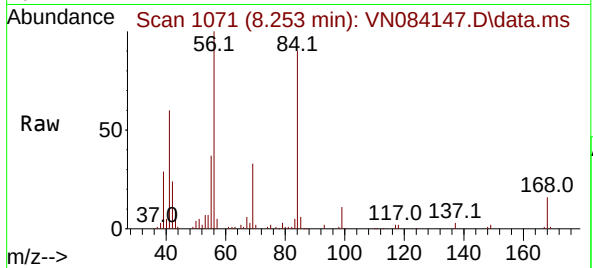
85 68.3 52.8 79.2



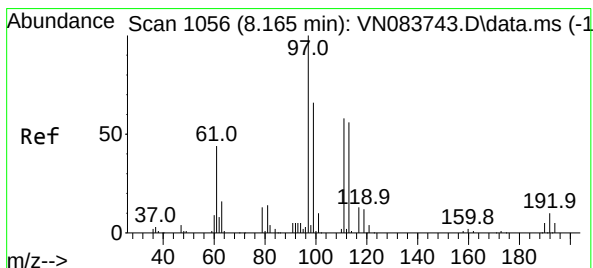
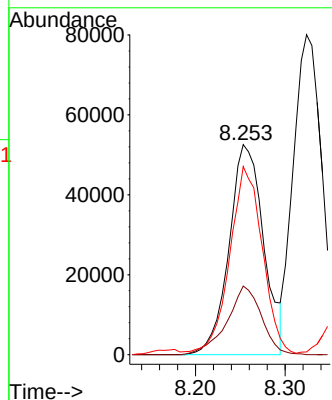
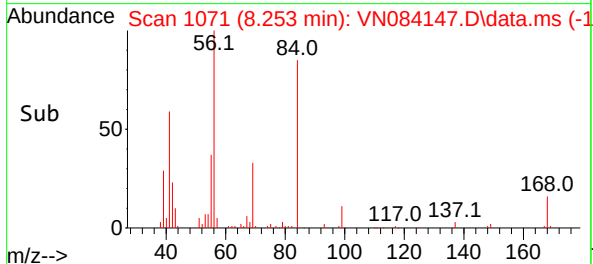


#31  
Cyclohexane  
Concen: 45.176 ug/l  
RT: 8.253 min Scan# 1071  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

Instrument :  
MSVOA\_N  
ClientSampleId :

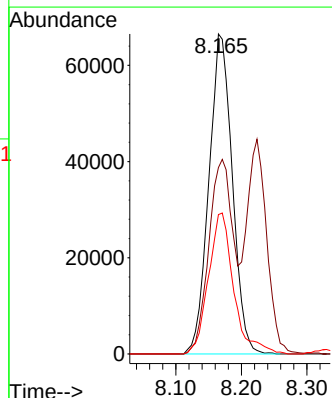
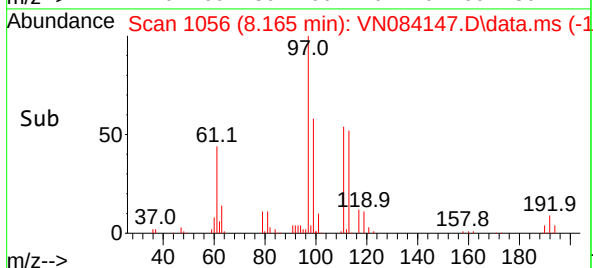
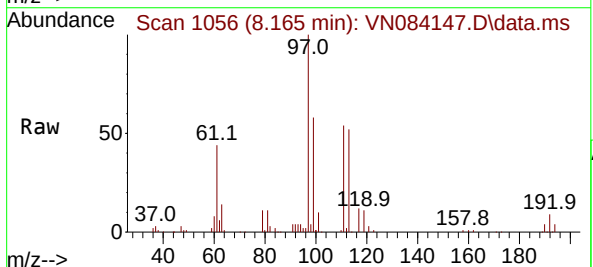


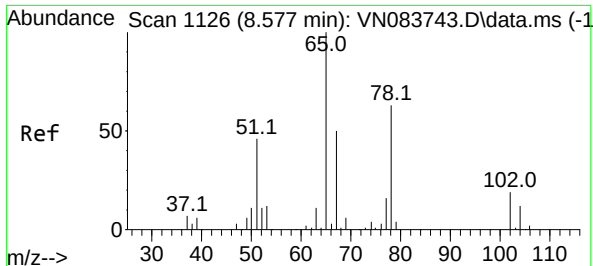
Tgt Ion: 56 Resp: 140659  
Ion Ratio Lower Upper  
56 100  
69 32.7 26.9 40.3  
84 88.2 69.2 103.8



#32  
1,1,1-Trichloroethane  
Concen: 51.746 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

Tgt Ion: 97 Resp: 164957  
Ion Ratio Lower Upper  
97 100  
99 62.4 52.3 78.5  
61 47.4 38.2 57.2





#33

1,2-Dichloroethane-d4

Concen: 49.539 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

Instrument :

MSVOA\_N

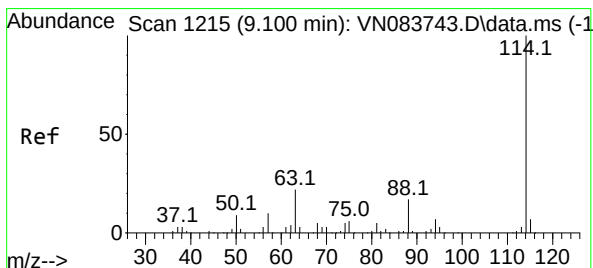
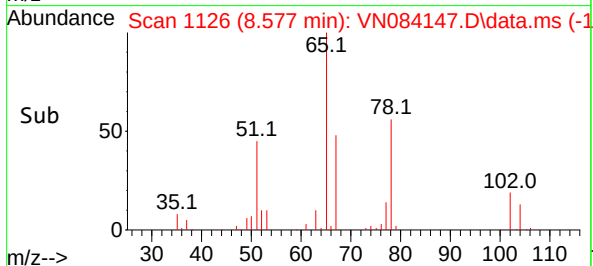
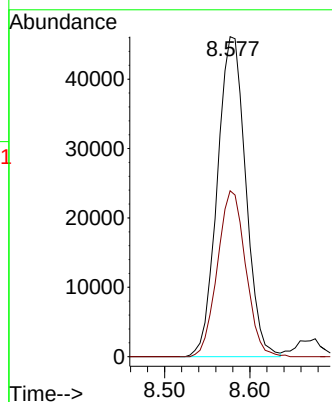
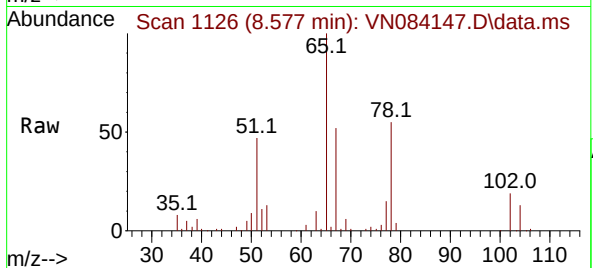
ClientSampleId :

Tgt Ion: 65 Resp: 106722

Ion Ratio Lower Upper

65 100

67 51.6 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: VN084147.D

Acq: 24 Sep 2024 20:19

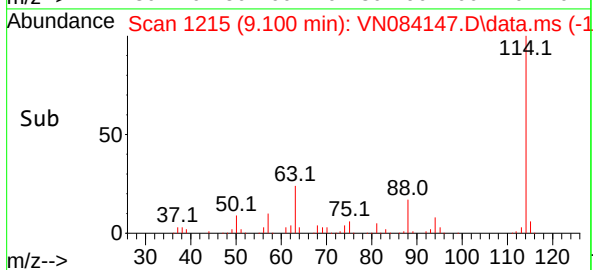
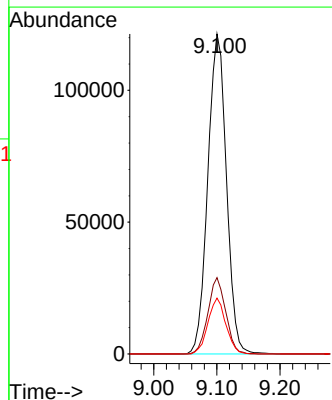
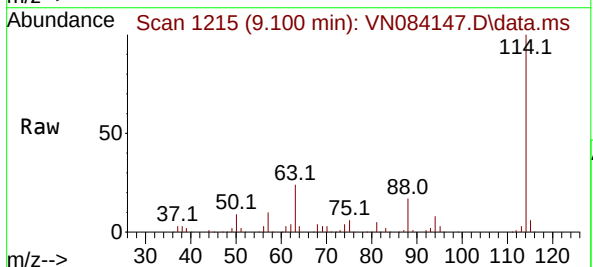
Tgt Ion: 114 Resp: 248523

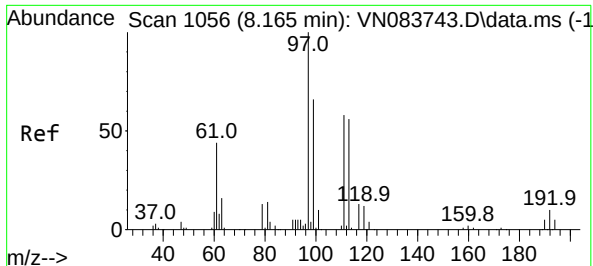
Ion Ratio Lower Upper

114 100

63 23.8 0.0 43.4

88 17.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.624 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084147.D

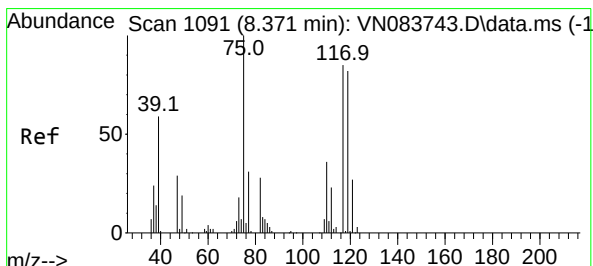
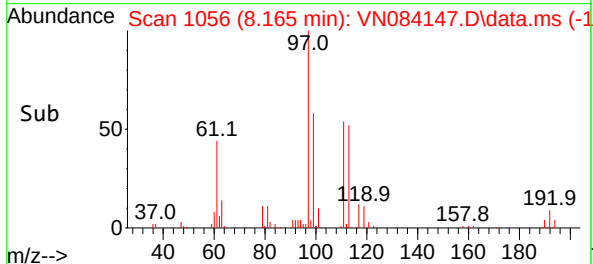
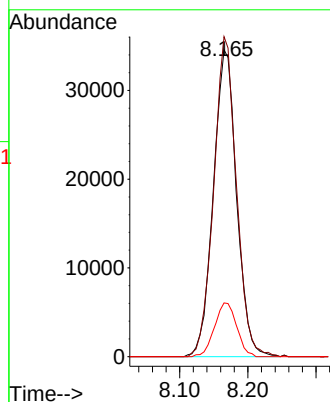
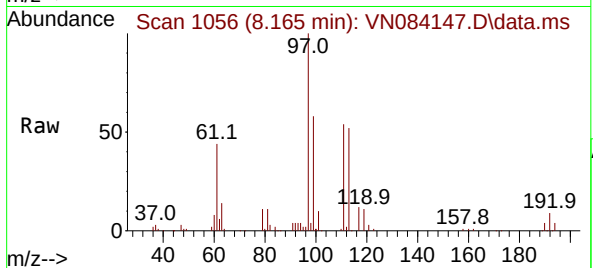
Acq: 24 Sep 2024 20:19

Instrument :

MSVOA\_N

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 82135 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 101.8 | 82.6  | 124.0 |
| 192       | 16.7  | 14.3  | 21.5  |



#36

1,1-Dichloropropene

Concen: 49.392 ug/l

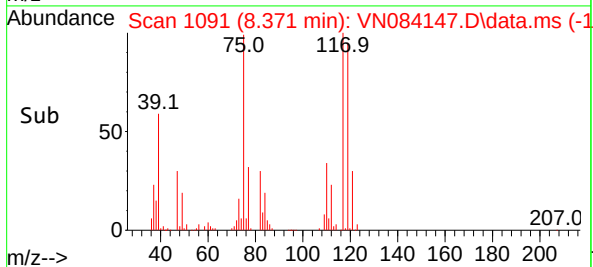
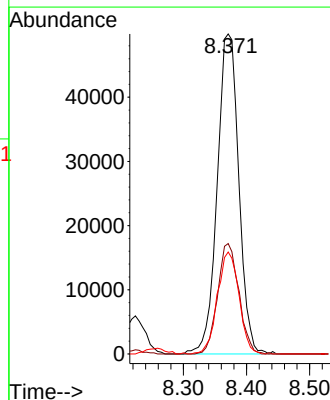
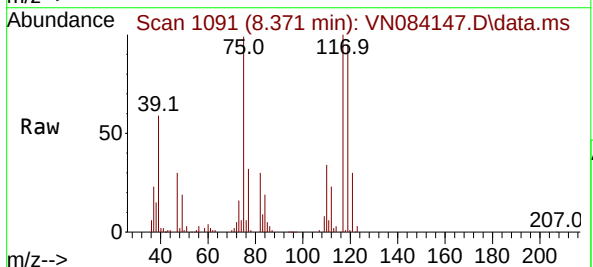
RT: 8.371 min Scan# 1091

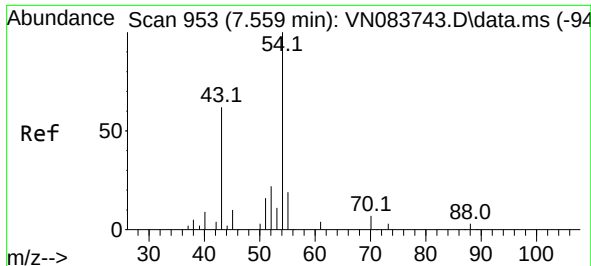
Delta R.T. 0.000 min

Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 118279 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 33.8  | 16.7  | 50.1   |
| 77        | 31.7  | 25.2  | 37.8   |





#37

Ethyl Acetate

Concen: 60.856 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

Instrument :

MSVOA\_N

ClientSampleId :

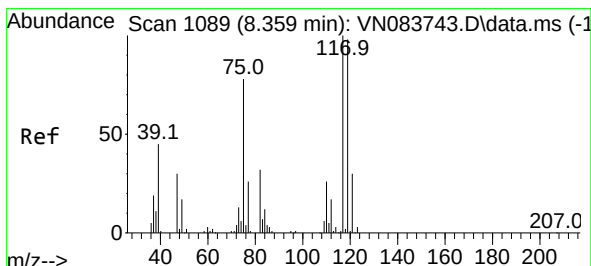
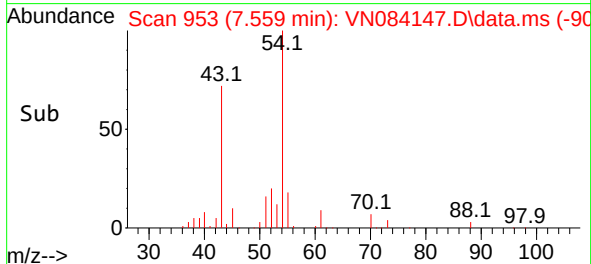
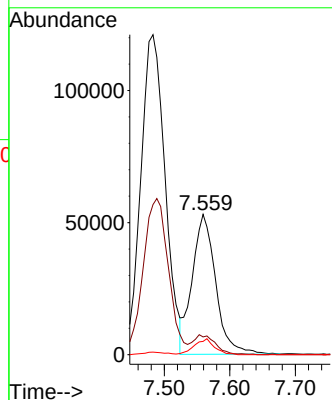
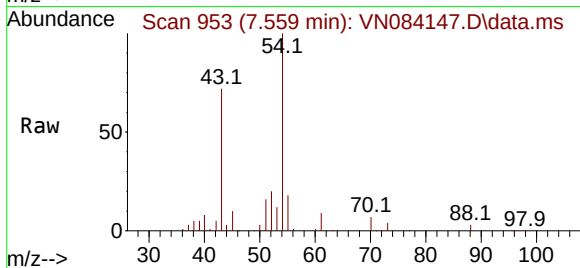
Tgt Ion: 43 Resp: 132281

Ion Ratio Lower Upper

43 100

61 13.5 11.1 16.7

70 9.7 8.8 13.2



#38

Carbon Tetrachloride

Concen: 51.266 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

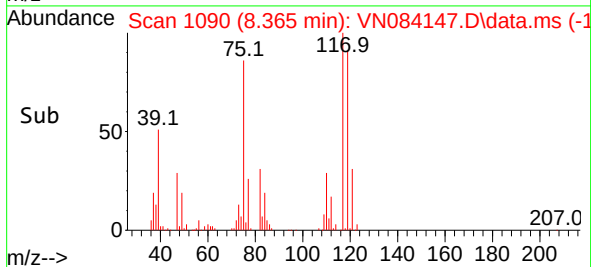
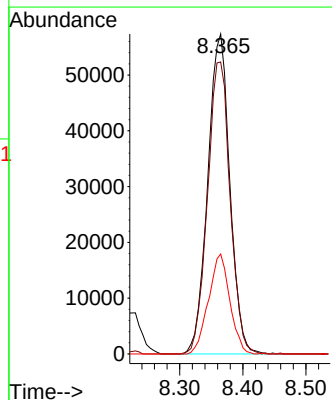
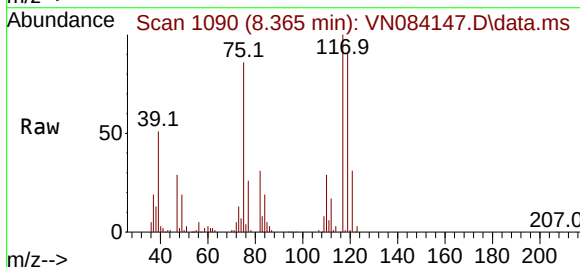
Tgt Ion: 117 Resp: 139277

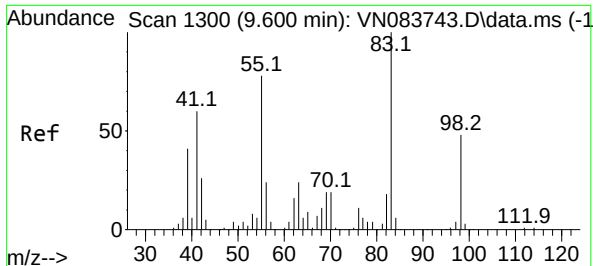
Ion Ratio Lower Upper

117 100

119 91.2 76.1 114.1

121 31.3 24.1 36.1





#39

Methylcyclohexane

Concen: 46.940 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

Instrument :

MSVOA\_N

ClientSampleId :

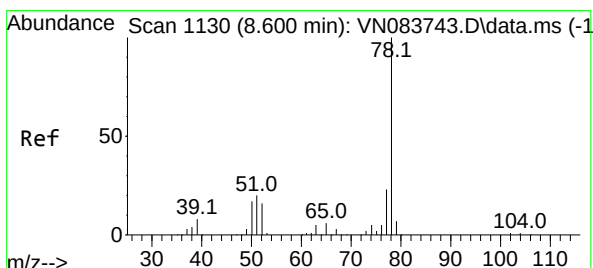
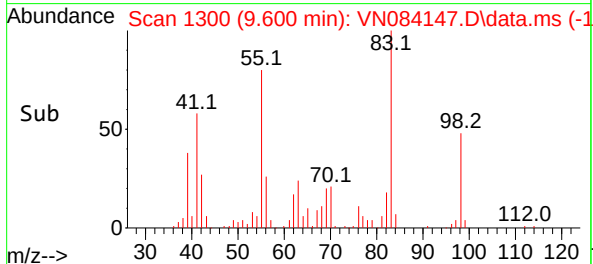
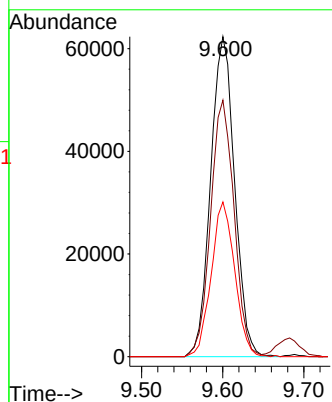
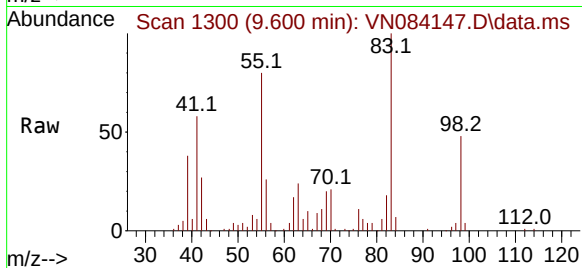
Tgt Ion: 83 Resp: 127948

Ion Ratio Lower Upper

83 100

55 80.2 62.2 93.4

98 48.3 37.6 56.4



#40

Benzene

Concen: 52.730 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN084147.D

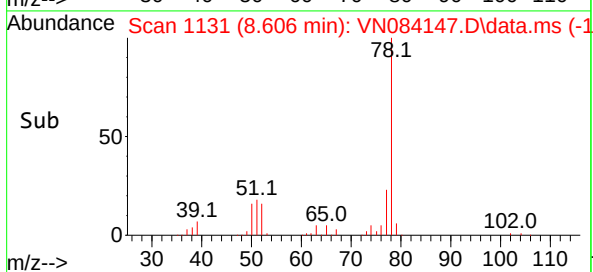
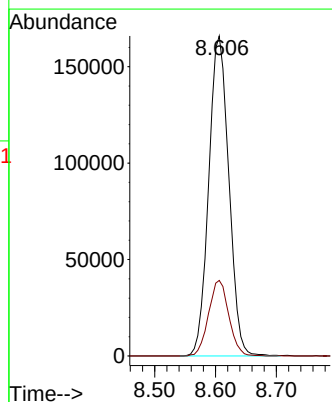
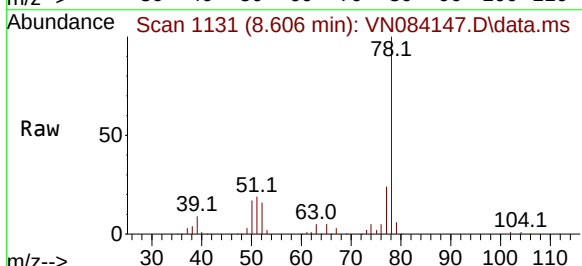
Acq: 24 Sep 2024 20:19

Tgt Ion: 78 Resp: 380067

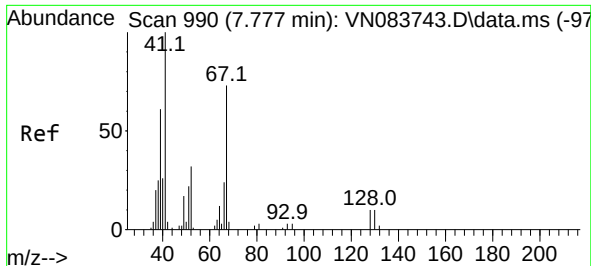
Ion Ratio Lower Upper

78 100

77 23.6 19.0 28.6



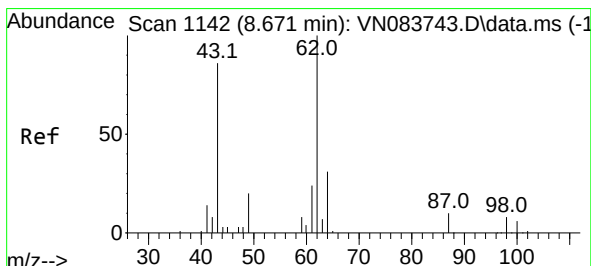
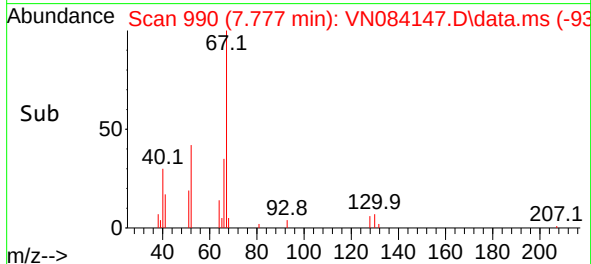
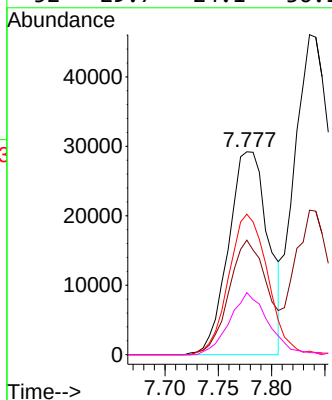
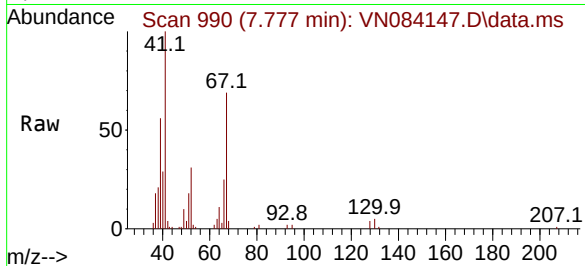




#41  
Methacrylonitrile  
Concen: 59.232 ug/l  
RT: 7.777 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

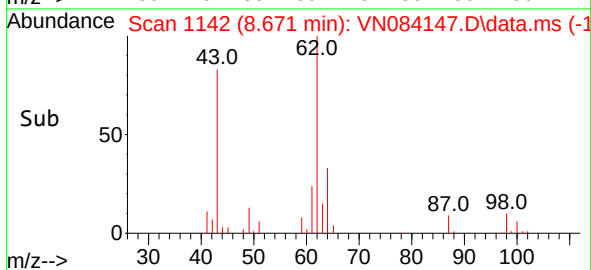
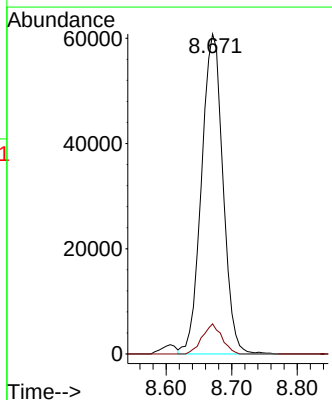
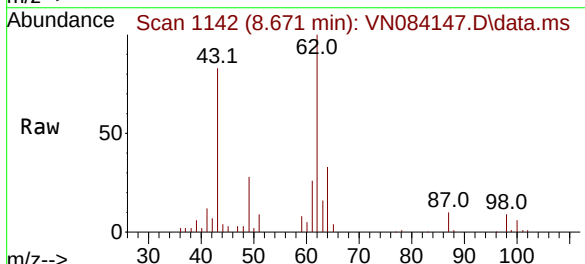
Instrument :  
MSVOA\_N  
ClientSampleId :

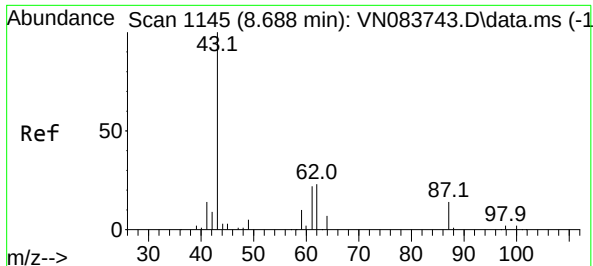
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 76150 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 54.0  | 45.4  | 68.2  |
| 67       | 68.1  | 55.9  | 83.9  |
| 52       | 29.7  | 24.1  | 36.1  |



#42  
1,2-Dichloroethane  
Concen: 51.426 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 138505 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 8.6   | 0.0   | 16.6   |

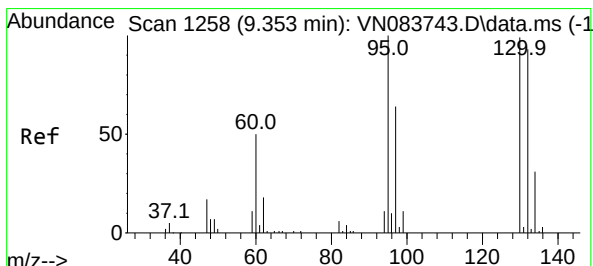
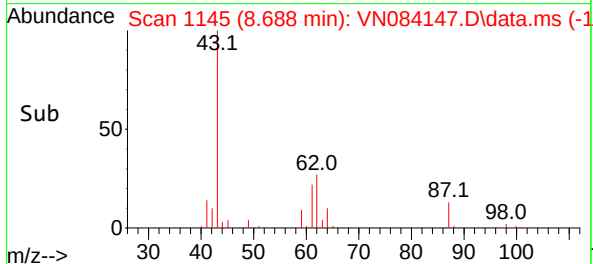
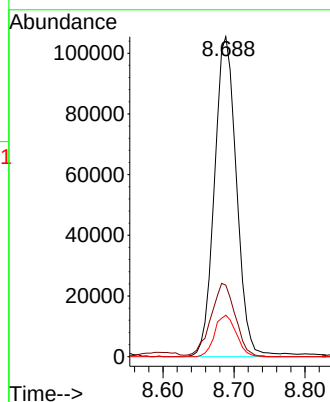
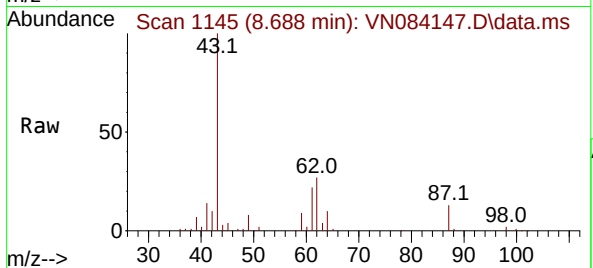




#43  
Isopropyl Acetate  
Concen: 57.636 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

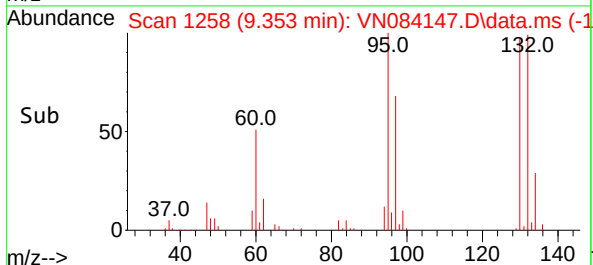
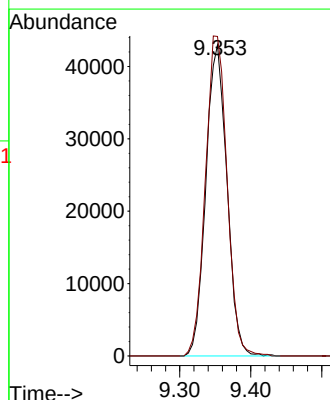
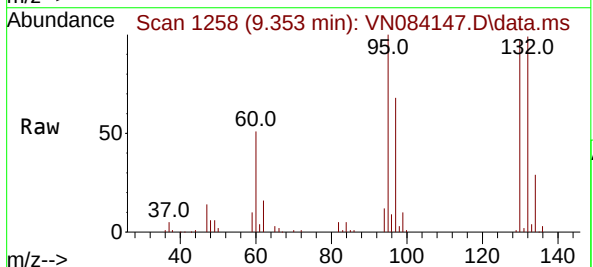
Instrument :  
MSVOA\_N  
ClientSampleId :

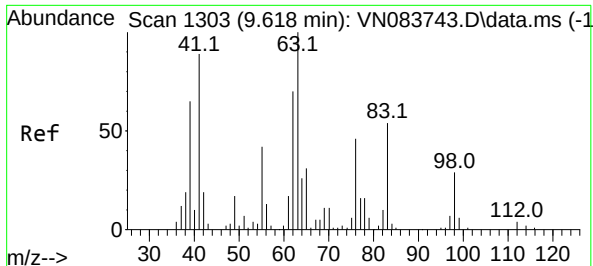
Tgt Ion: 43 Resp: 227028  
Ion Ratio Lower Upper  
43 100  
61 25.5 19.4 29.0  
87 12.7 9.8 14.6



#44  
Trichloroethene  
Concen: 53.075 ug/l  
RT: 9.353 min Scan# 1258  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

Tgt Ion:130 Resp: 88588  
Ion Ratio Lower Upper  
130 100  
95 102.8 0.0 200.4





#45

1,2-Dichloropropane

Concen: 55.103 ug/l

RT: 9.618 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

Instrument :

MSVOA\_N

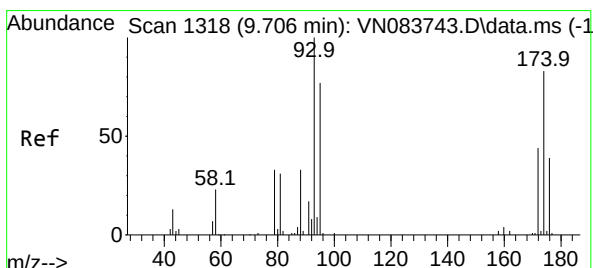
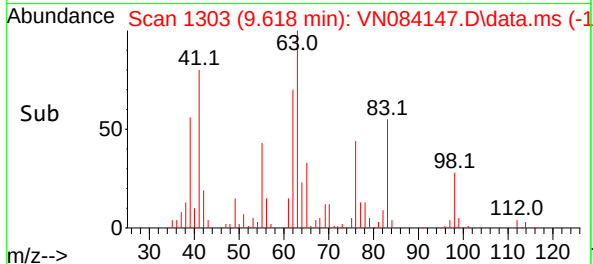
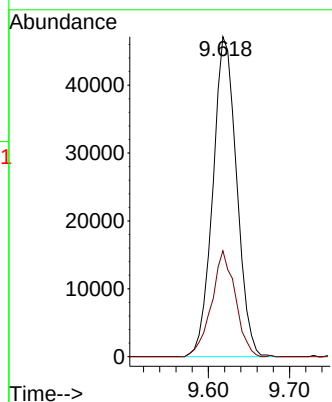
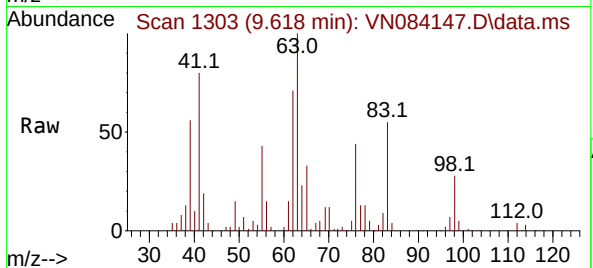
ClientSampleId :

Tgt Ion: 63 Resp: 95994

Ion Ratio Lower Upper

63 100

65 33.1 25.9 38.9



#46

Dibromomethane

Concen: 55.126 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

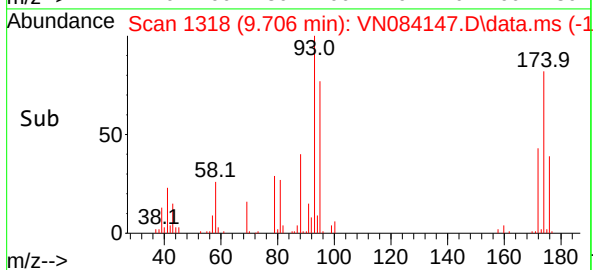
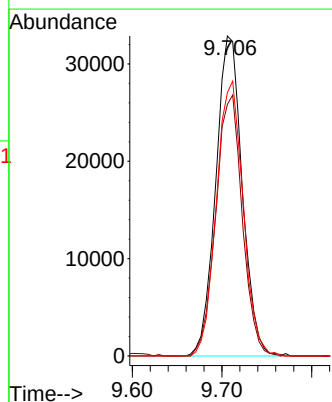
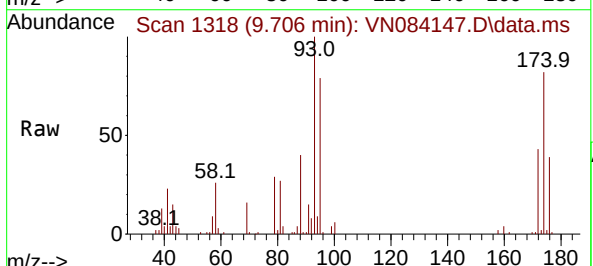
Tgt Ion: 93 Resp: 67265

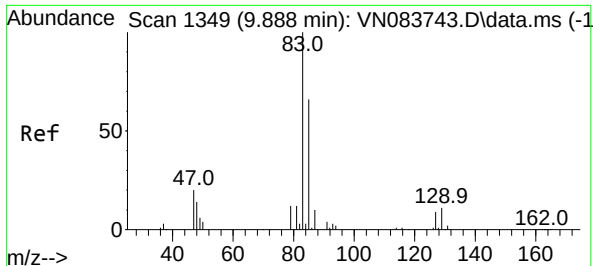
Ion Ratio Lower Upper

93 100

95 81.7 65.3 97.9

174 86.8 71.0 106.4





#47

Bromodichloromethane

Concen: 56.664 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.000 min

Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

Instrument :

MSVOA\_N

ClientSampleId :

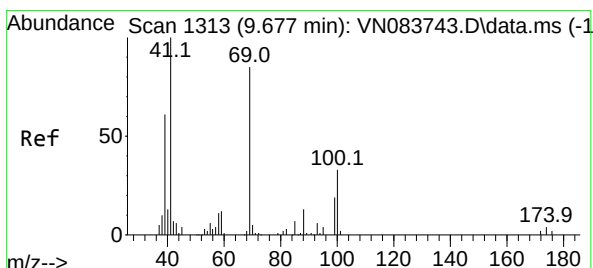
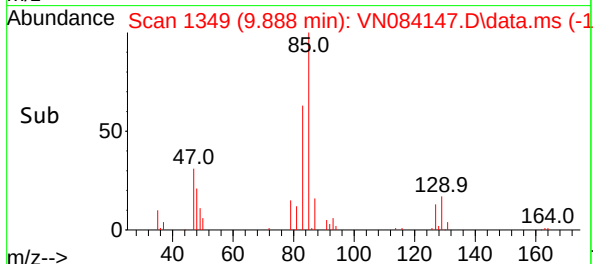
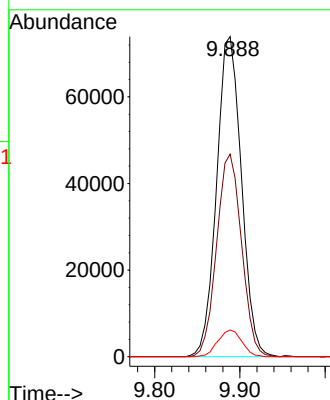
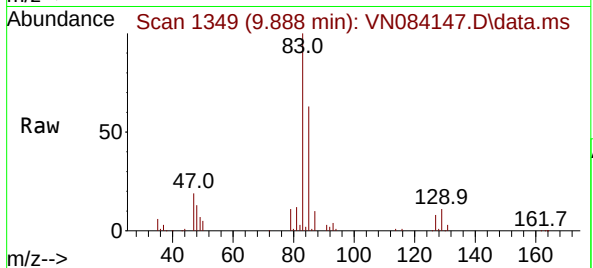
Tgt Ion: 83 Resp: 149637

Ion Ratio Lower Upper

83 100

85 63.3 51.8 77.8

127 8.4 6.6 9.8



#48

Methyl methacrylate

Concen: 57.906 ug/l

RT: 9.683 min Scan# 1314

Delta R.T. 0.006 min

Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

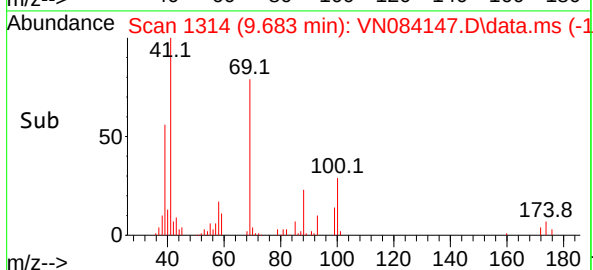
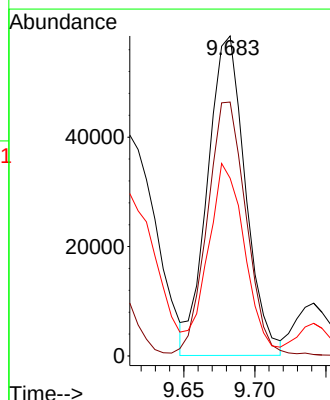
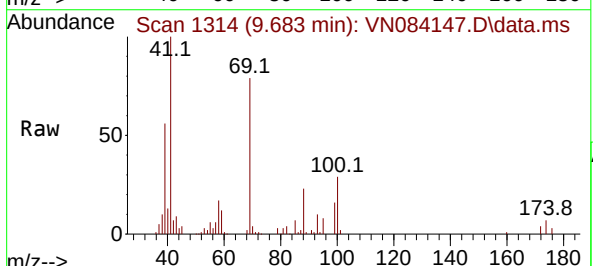
Tgt Ion: 41 Resp: 108215

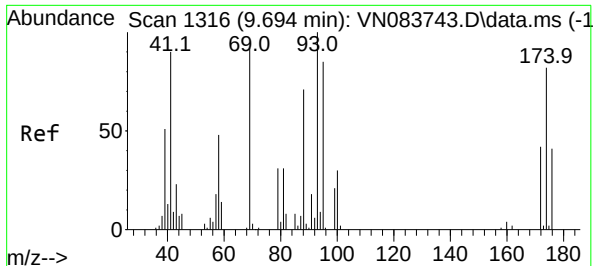
Ion Ratio Lower Upper

41 100

69 81.9 64.3 96.5

39 59.6 48.9 73.3





#49

1,4-Dioxane

Concen: 1251.757 ug/l

RT: 9.694 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

Instrument :

MSVOA\_N

ClientSampleId :

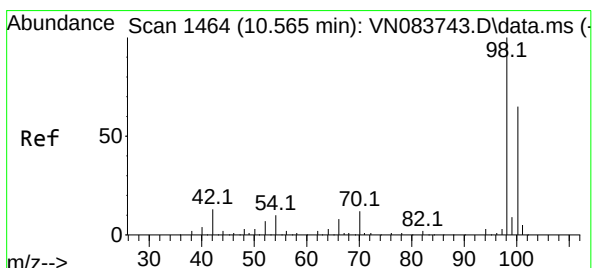
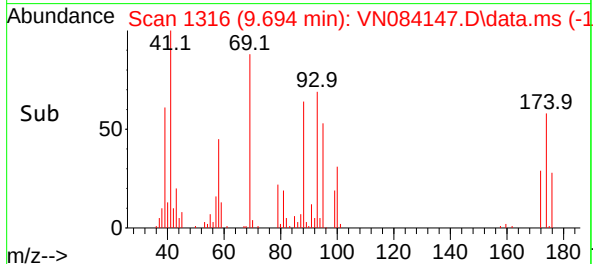
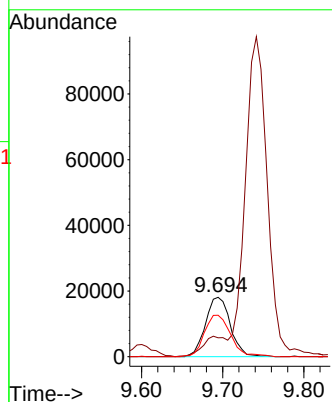
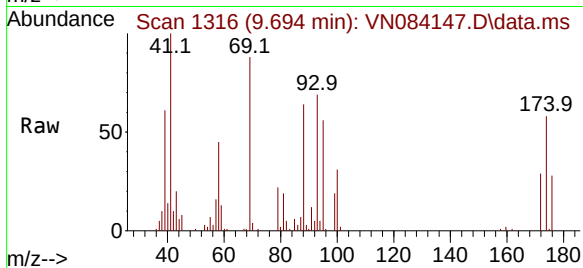
Tgt Ion: 88 Resp: 38483

Ion Ratio Lower Upper

88 100

43 33.2 0.0 0.0#

58 74.0 57.1 85.7



#50

Toluene-d8

Concen: 52.781 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN084147.D

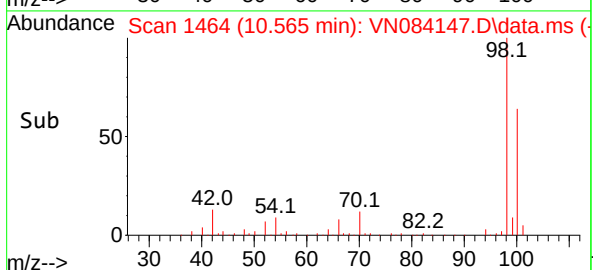
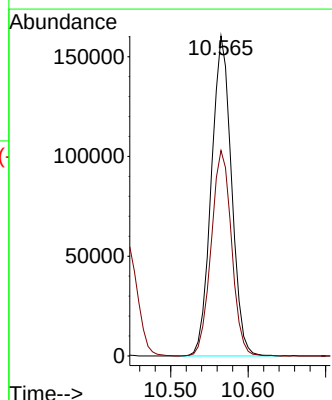
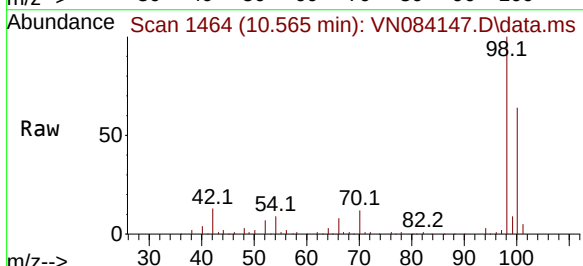
Acq: 24 Sep 2024 20:19

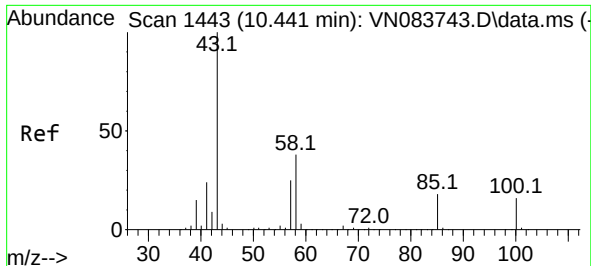
Tgt Ion: 98 Resp: 290305

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 313.838 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. 0.000 min

Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

Instrument :

MSVOA\_N

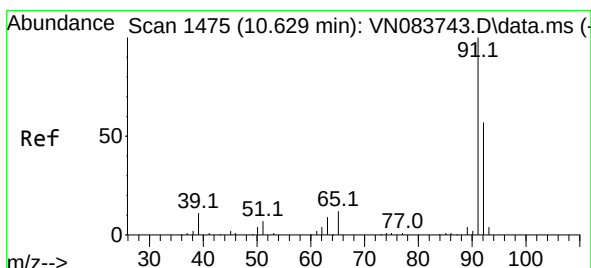
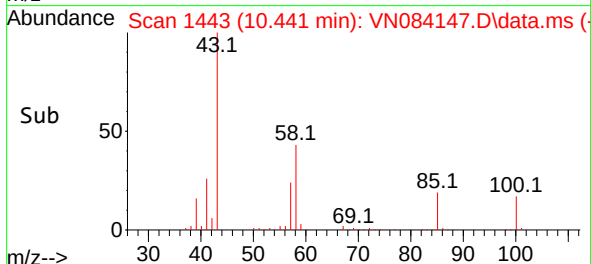
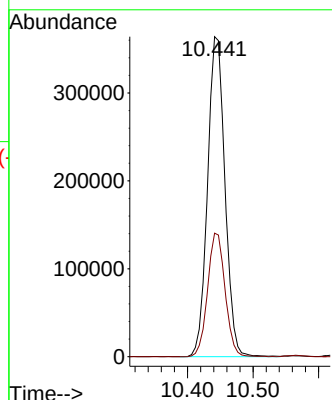
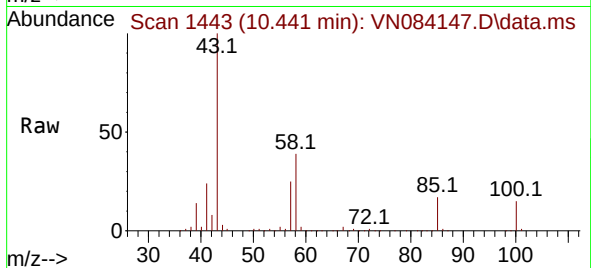
ClientSampleId :

Tgt Ion: 43 Resp: 672930

Ion Ratio Lower Upper

43 100

58 38.7 31.6 47.4



#52

Toluene

Concen: 52.831 ug/l

RT: 10.630 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN084147.D

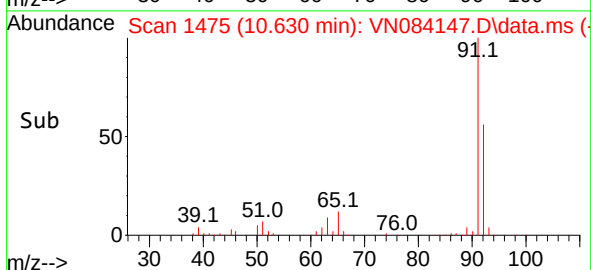
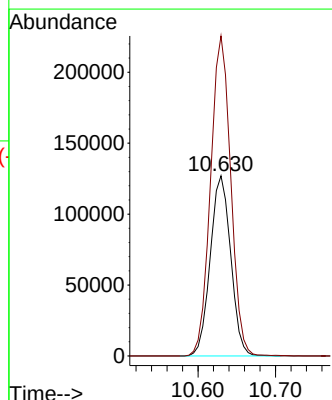
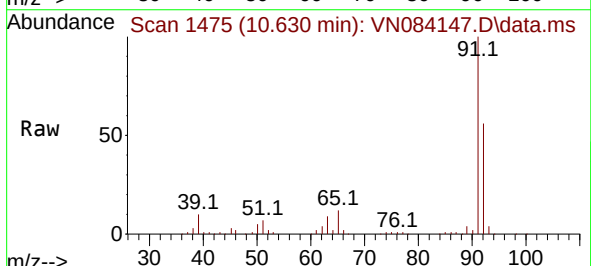
Acq: 24 Sep 2024 20:19

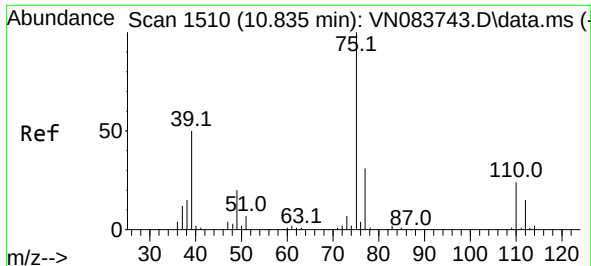
Tgt Ion: 92 Resp: 232920

Ion Ratio Lower Upper

92 100

91 175.7 134.7 202.1

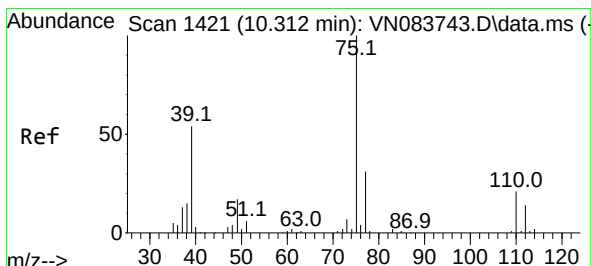
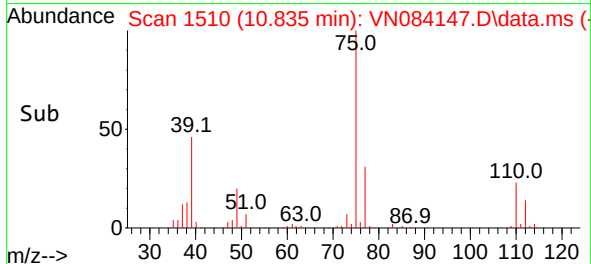
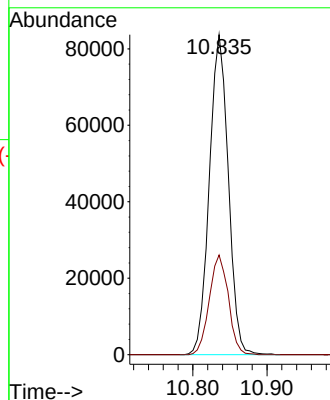
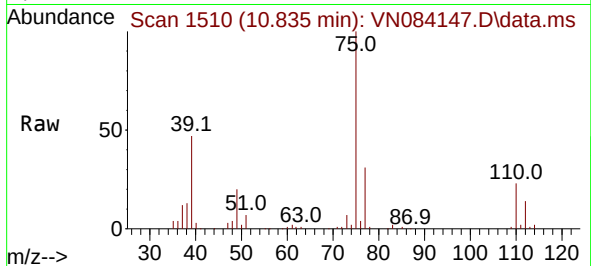




#53  
 t-1,3-Dichloropropene  
 Concen: 55.503 ug/l  
 RT: 10.835 min Scan# 1510  
 Delta R.T. 0.000 min  
 Lab File: VN084147.D  
 Acq: 24 Sep 2024 20:19

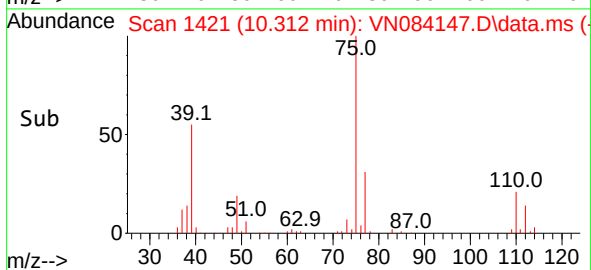
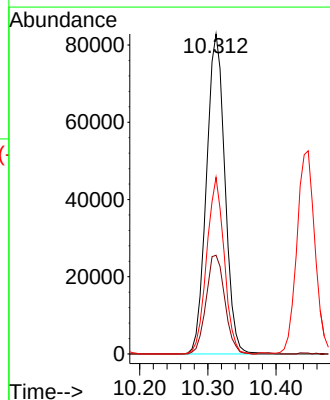
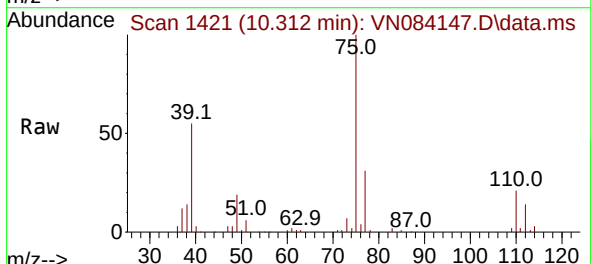
Instrument :  
 MSVOA\_N  
 ClientSampleId :

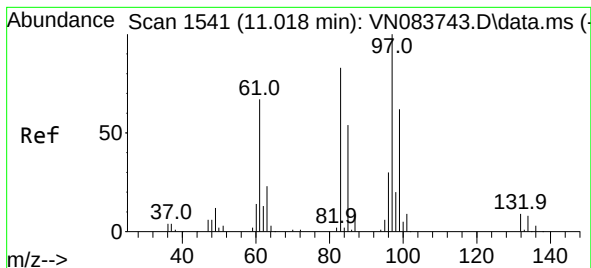
Tgt Ion: 75 Resp: 148568  
 Ion Ratio Lower Upper  
 75 100  
 77 31.1 25.8 38.6



#54  
 cis-1,3-Dichloropropene  
 Concen: 55.509 ug/l  
 RT: 10.312 min Scan# 1421  
 Delta R.T. 0.000 min  
 Lab File: VN084147.D  
 Acq: 24 Sep 2024 20:19

Tgt Ion: 75 Resp: 156075  
 Ion Ratio Lower Upper  
 75 100  
 77 30.9 25.0 37.6  
 39 55.2 42.6 64.0





#55

1,1,2-Trichloroethane

Concen: 55.598 ug/l

RT: 11.012 min Scan# 11

Delta R.T. -0.006 min

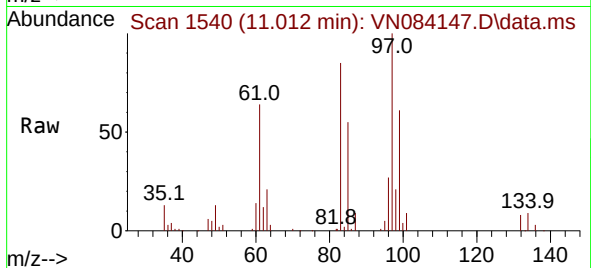
Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

Instrument :

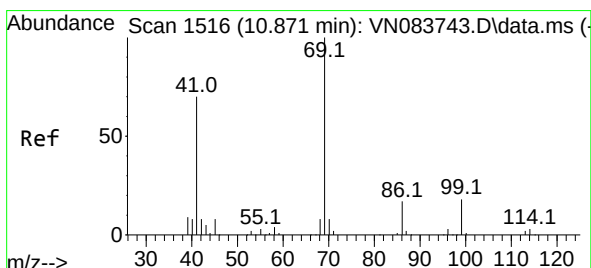
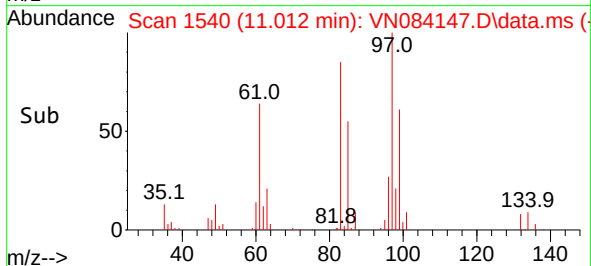
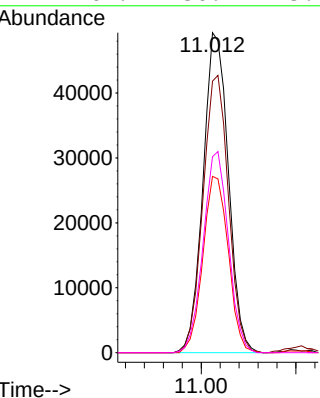
MSVOA\_N

ClientSampleId :



Tgt Ion: 97 Resp: 91511

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 84.9  | 67.5  | 101.3 |
| 85  | 55.1  | 44.2  | 66.2  |
| 99  | 61.2  | 50.1  | 75.1  |



#56

Ethyl methacrylate

Concen: 60.883 ug/l

RT: 10.871 min Scan# 1516

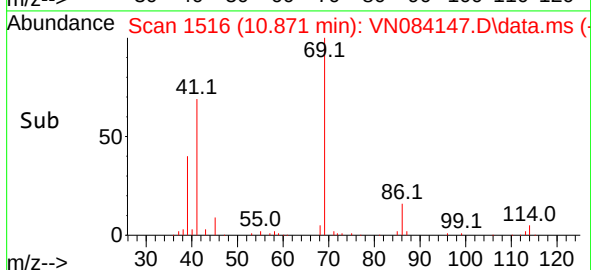
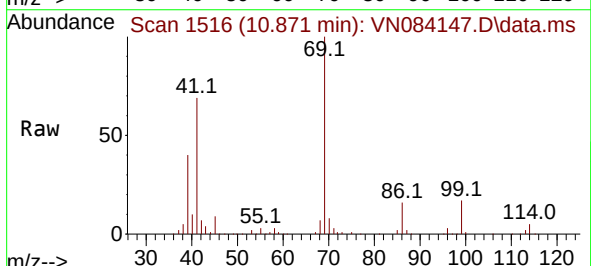
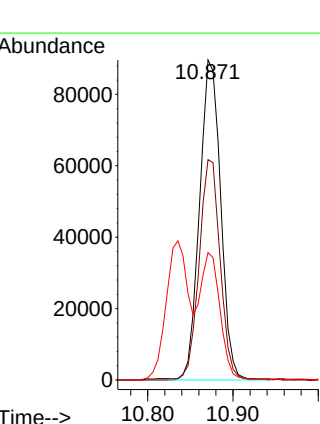
Delta R.T. 0.000 min

Lab File: VN084147.D

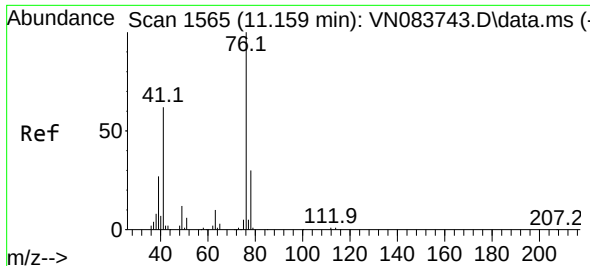
Acq: 24 Sep 2024 20:19

Tgt Ion: 69 Resp: 154175

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 67.4  | 53.9  | 80.9  |
| 39  | 37.8  | 32.6  | 48.8  |







#57

1,3-Dichloropropane

Concen: 56.854 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. 0.006 min

Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

Instrument :

MSVOA\_N

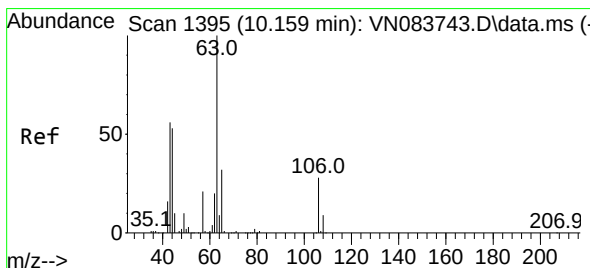
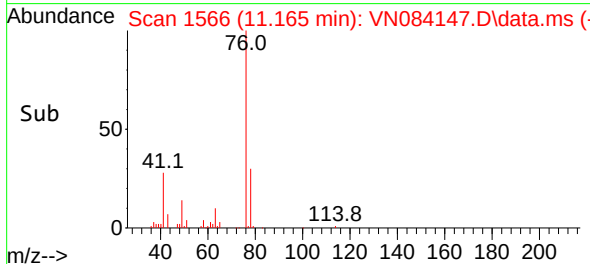
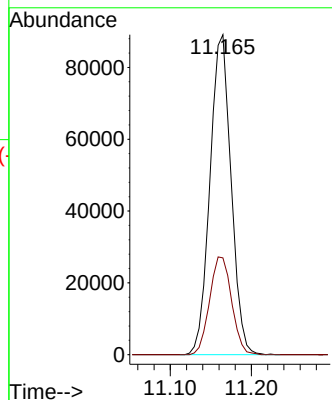
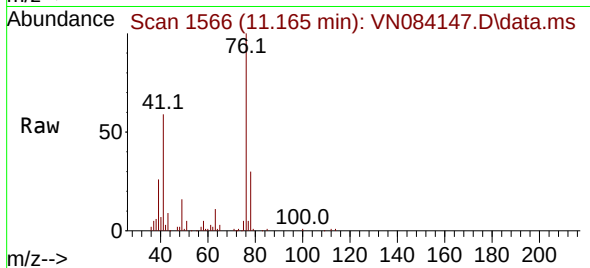
ClientSampleId :

Tgt Ion: 76 Resp: 160830

Ion Ratio Lower Upper

76 100

78 31.8 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 361.789 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN084147.D

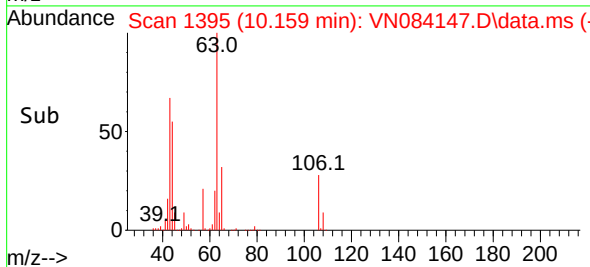
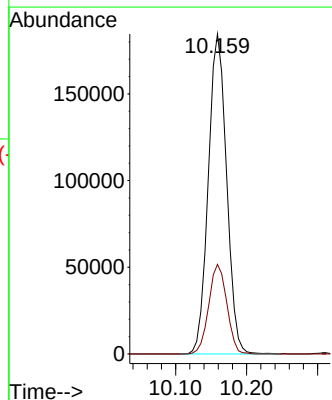
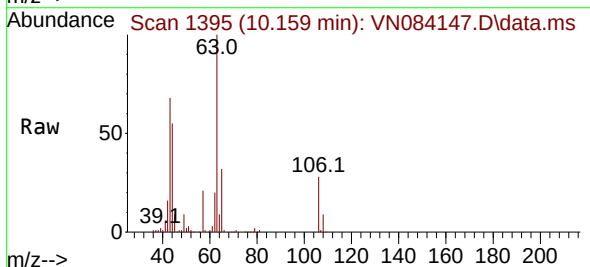
Acq: 24 Sep 2024 20:19

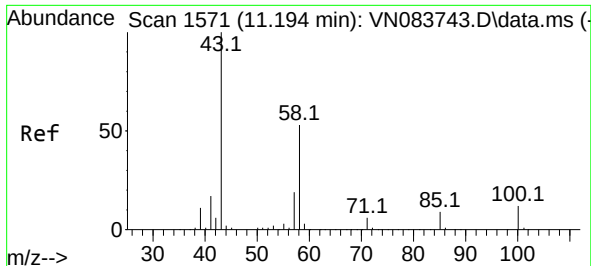
Tgt Ion: 63 Resp: 330116

Ion Ratio Lower Upper

63 100

106 27.6 23.3 34.9

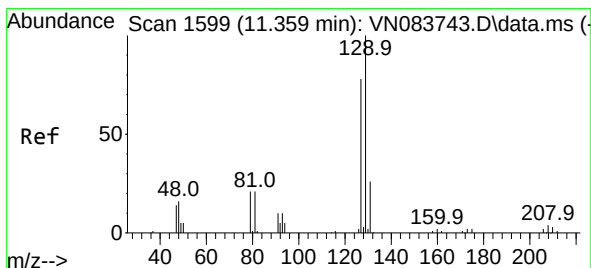
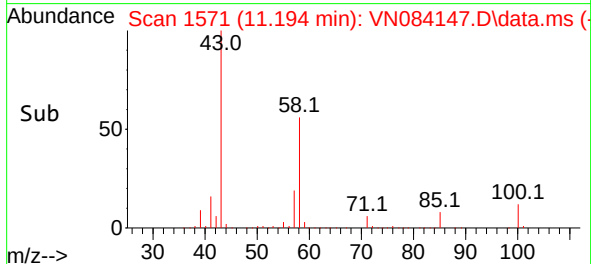
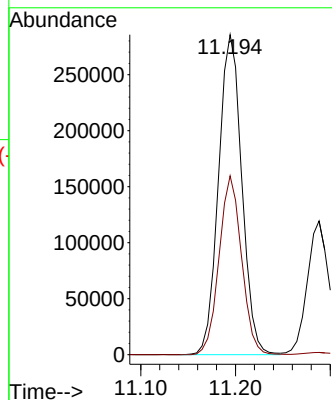
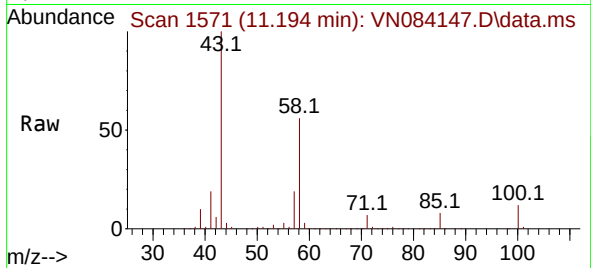




#59  
2-Hexanone  
Concen: 307.886 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

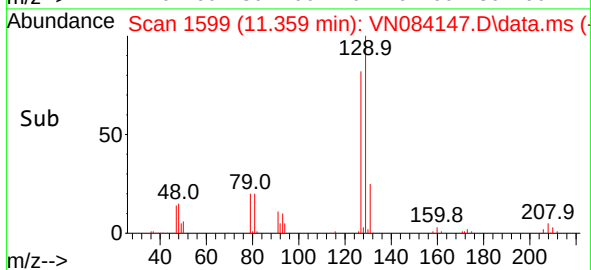
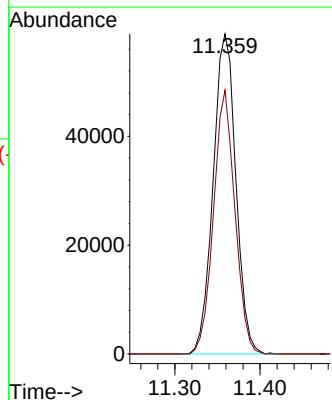
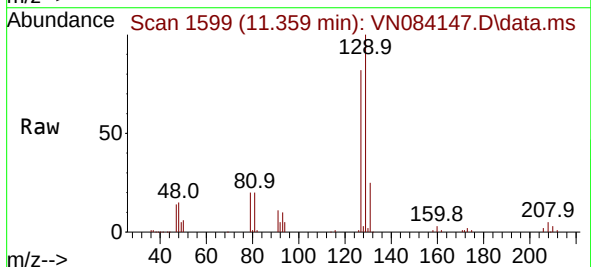
Instrument :  
MSVOA\_N  
ClientSampleId :

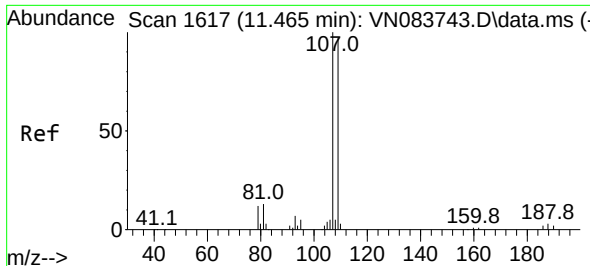
Tgt Ion: 43 Resp: 488342  
Ion Ratio Lower Upper  
43 100  
58 53.9 27.2 81.5



#60  
Dibromochloromethane  
Concen: 59.261 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

Tgt Ion:129 Resp: 109160  
Ion Ratio Lower Upper  
129 100  
127 77.6 39.0 116.9

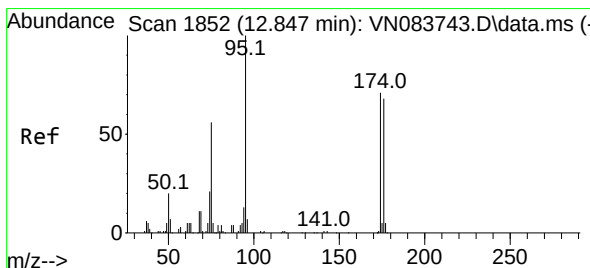
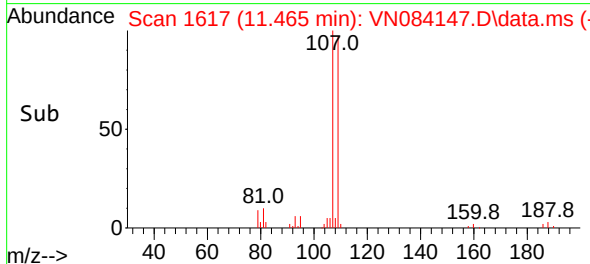
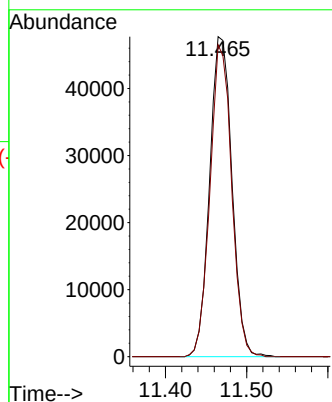
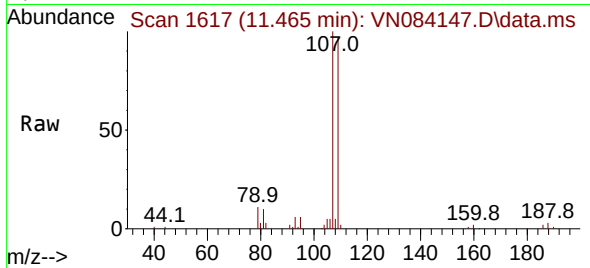




#61  
1,2-Dibromoethane  
Concen: 55.565 ug/l  
RT: 11.465 min Scan# 1617  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

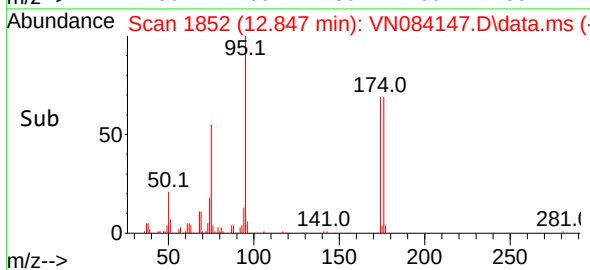
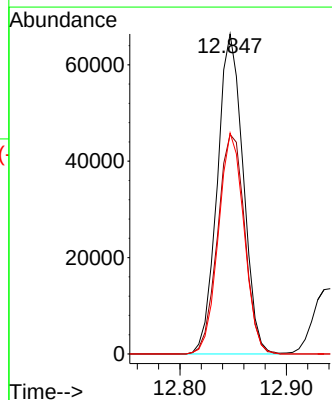
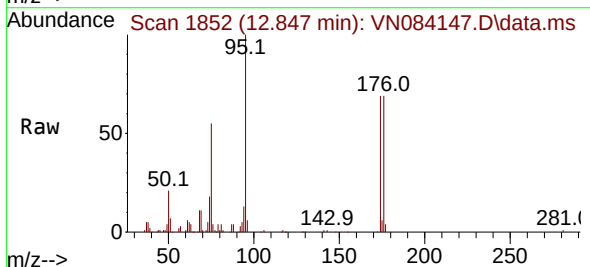
Instrument :  
MSVOA\_N  
ClientSampleId :

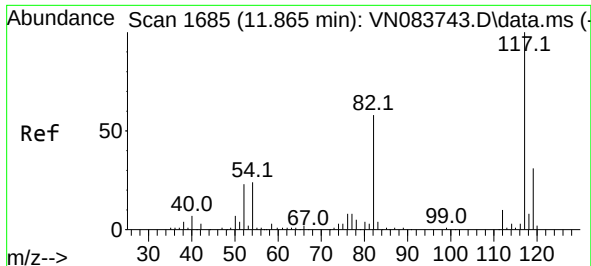
Tgt Ion:107 Resp: 91210  
Ion Ratio Lower Upper  
107 100  
109 94.4 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 49.320 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

Tgt Ion: 95 Resp: 111919  
Ion Ratio Lower Upper  
95 100  
174 72.0 0.0 139.8  
176 68.4 0.0 131.4

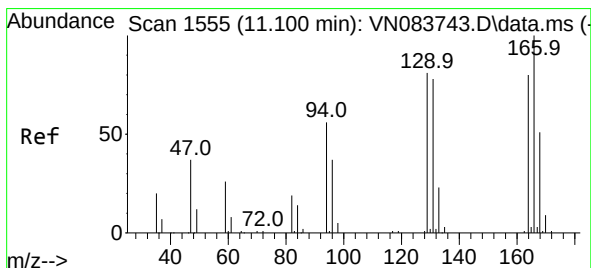
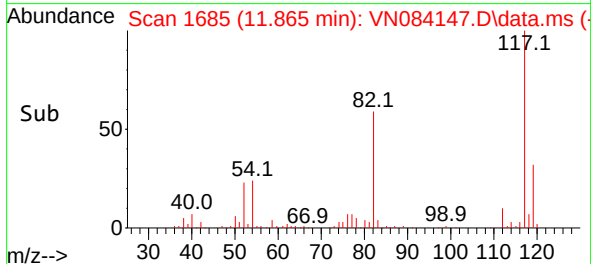
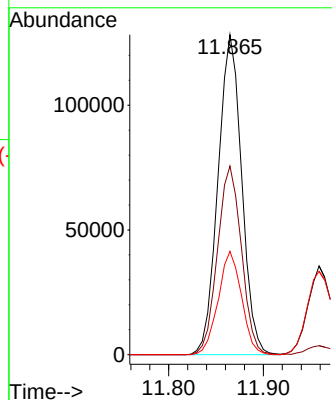
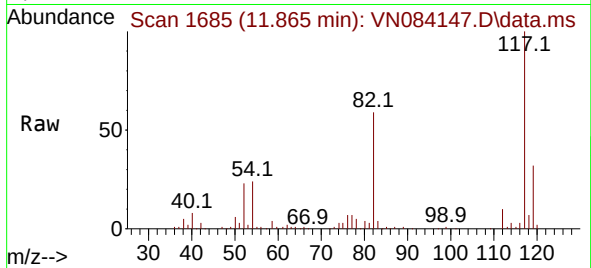




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

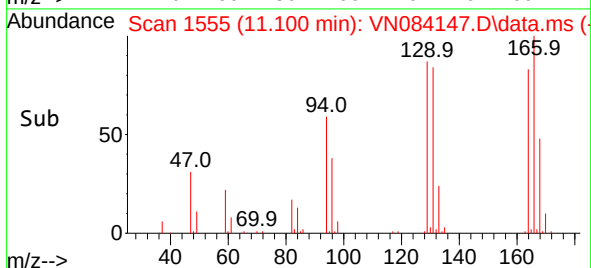
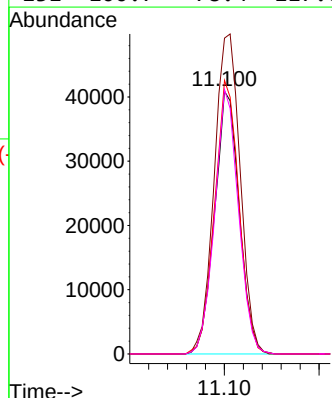
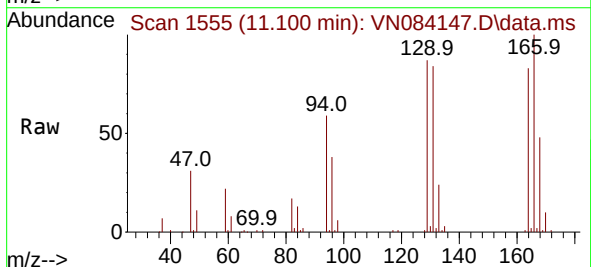
Instrument :  
MSVOA\_N  
ClientSampleId :

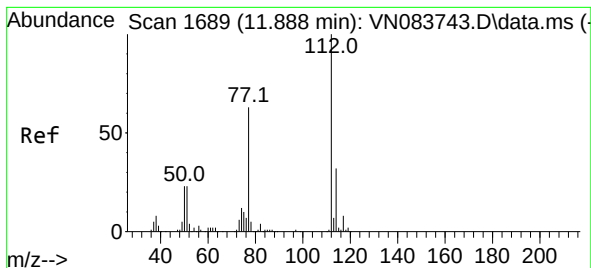
Tgt Ion:117 Resp: 223400  
Ion Ratio Lower Upper  
117 100  
82 58.9 47.4 71.0  
119 32.3 26.3 39.5



#64  
Tetrachloroethene  
Concen: 49.714 ug/l  
RT: 11.100 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

Tgt Ion:164 Resp: 73858  
Ion Ratio Lower Upper  
164 100  
166 120.3 103.7 155.5  
129 104.2 79.9 119.9  
131 100.7 78.4 117.6





#65

Chlorobenzene

Concen: 51.499 ug/l

RT: 11.888 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

Instrument :

MSVOA\_N

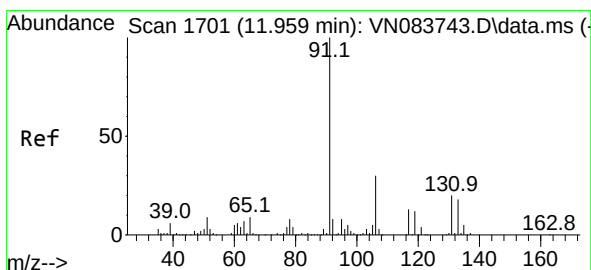
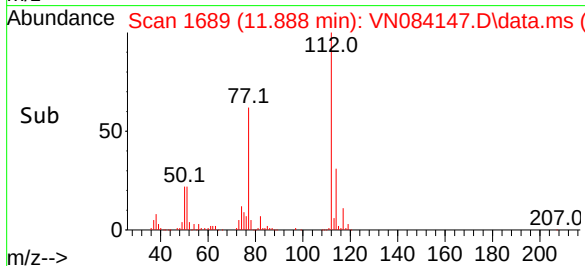
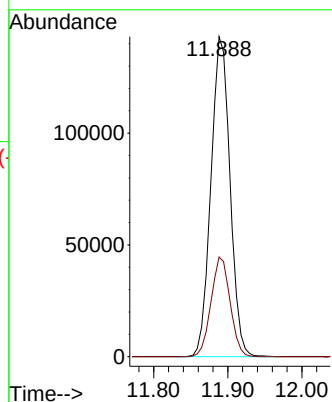
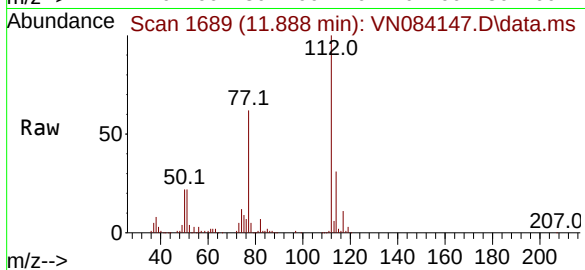
ClientSampleId :

Tgt Ion:112 Resp: 255702

Ion Ratio Lower Upper

112 100

114 31.1 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 53.232 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

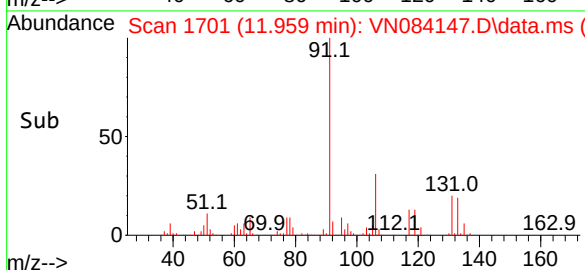
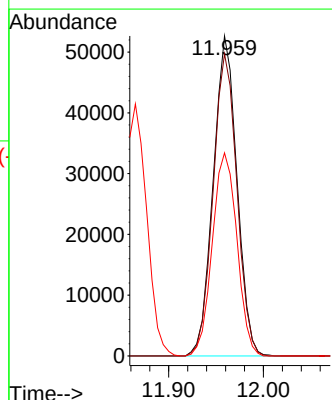
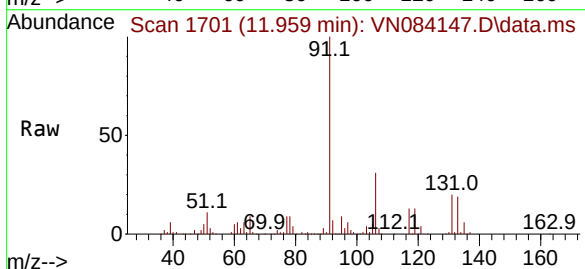
Tgt Ion:131 Resp: 91628

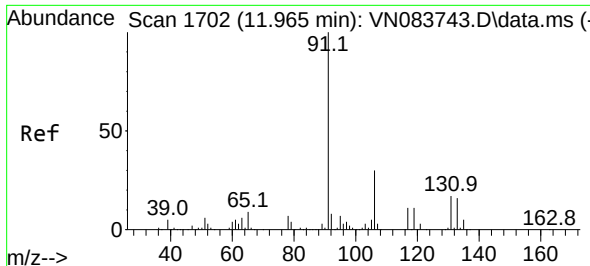
Ion Ratio Lower Upper

131 100

133 94.9 47.5 142.6

119 65.8 31.6 94.8

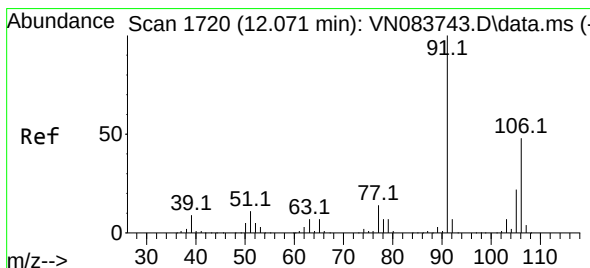
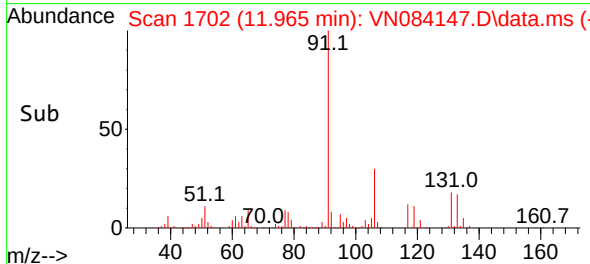
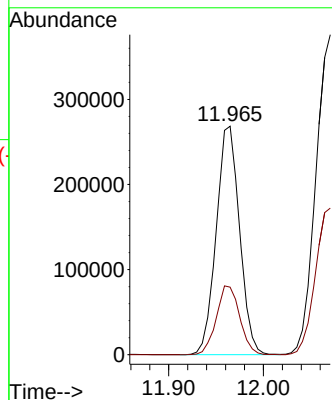
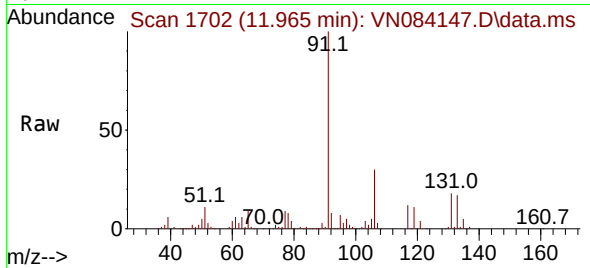




#67  
Ethyl Benzene  
Concen: 52.110 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

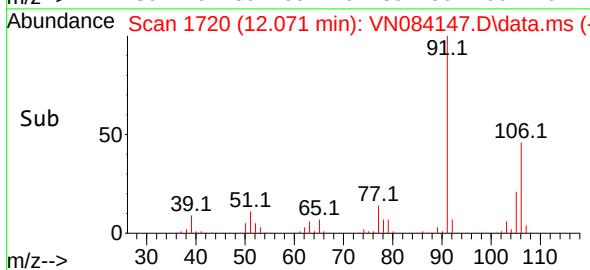
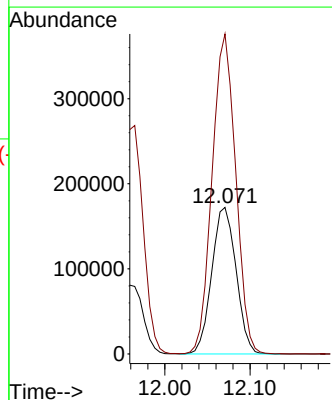
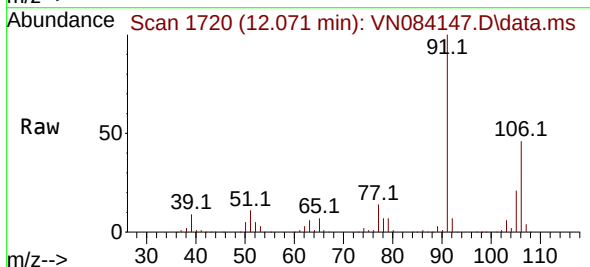
Instrument :  
MSVOA\_N  
ClientSampleId :

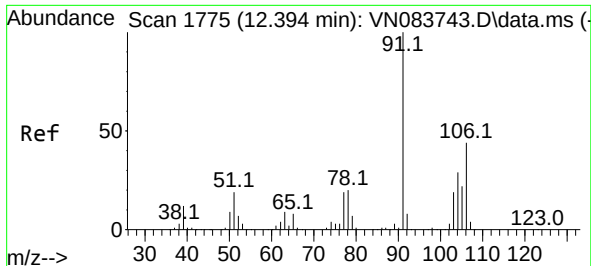
Tgt Ion: 91 Resp: 459624  
Ion Ratio Lower Upper  
91 100  
106 29.6 24.3 36.5



#68  
m/p-Xylenes  
Concen: 104.428 ug/l  
RT: 12.071 min Scan# 1720  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

Tgt Ion:106 Resp: 341964  
Ion Ratio Lower Upper  
106 100  
91 211.9 169.2 253.8

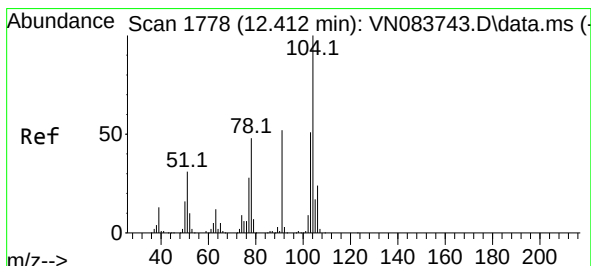
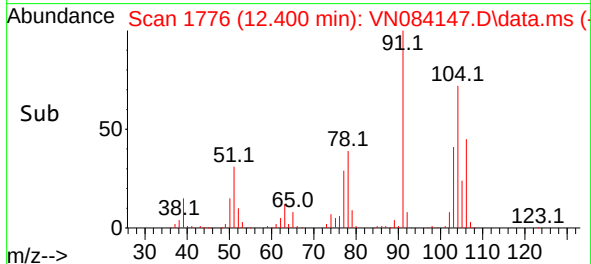
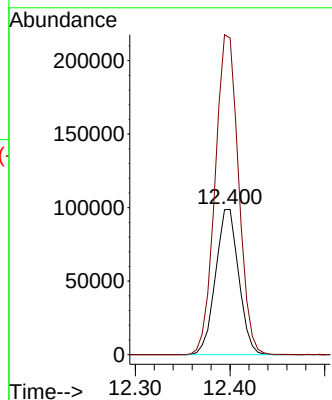
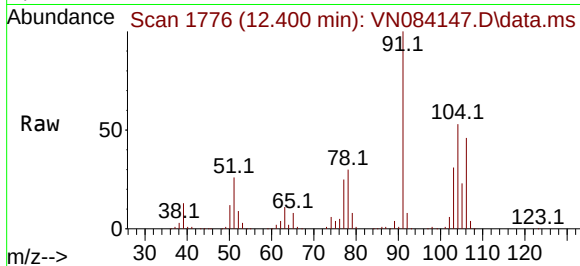




#69  
o-Xylene  
Concen: 52.965 ug/l  
RT: 12.400 min Scan# 1775  
Delta R.T. 0.006 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

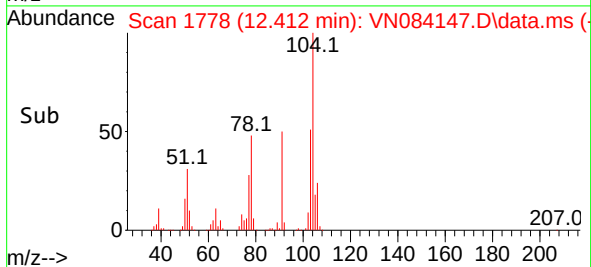
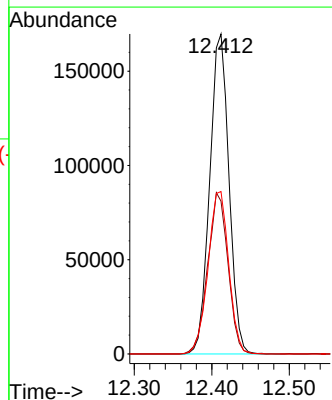
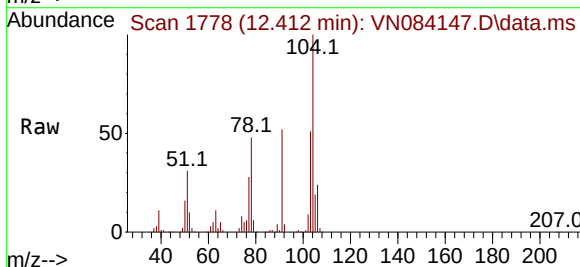
Instrument :  
MSVOA\_N  
ClientSampleId :

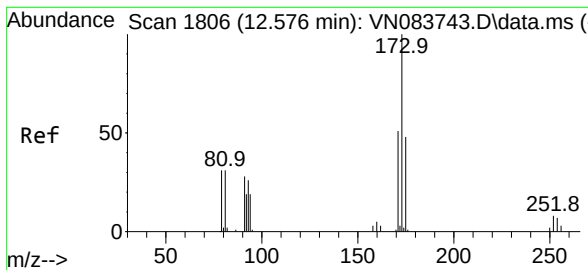
Tgt Ion:106 Resp: 167905  
Ion Ratio Lower Upper  
106 100  
91 222.9 112.9 338.6



#70  
Styrene  
Concen: 56.254 ug/l  
RT: 12.412 min Scan# 1778  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

Tgt Ion:104 Resp: 292669  
Ion Ratio Lower Upper  
104 100  
78 53.1 43.3 64.9  
103 54.6 43.4 65.2





#71

Bromoform

Concen: 60.029 ug/l

RT: 12.576 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

Instrument :

MSVOA\_N

ClientSampleId :

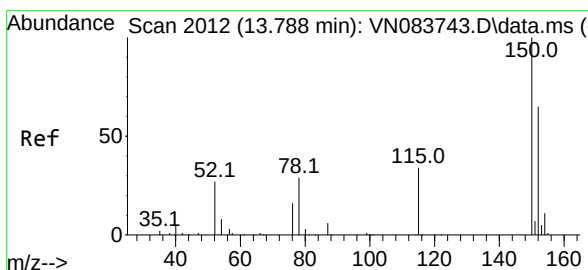
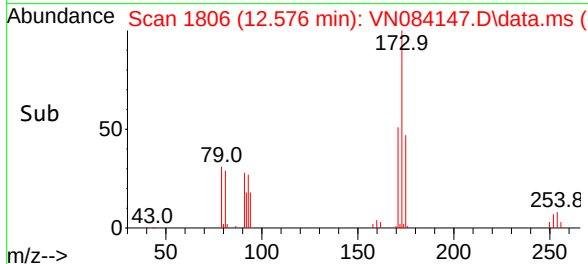
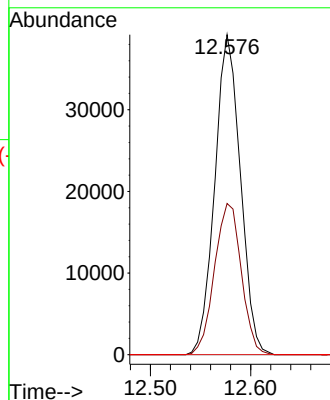
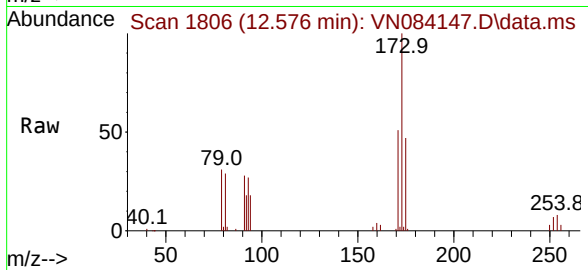
Tgt Ion:173 Resp: 69628

Ion Ratio Lower Upper

173 100

175 49.3 24.1 72.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

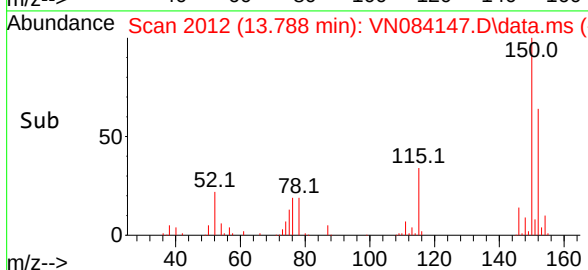
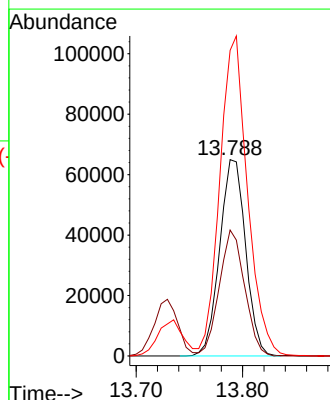
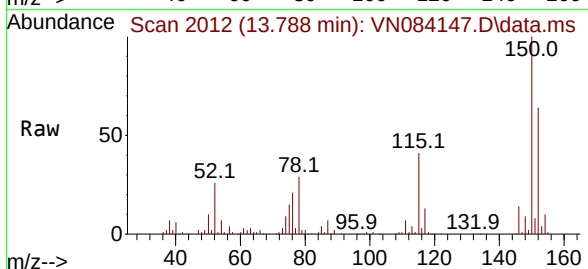
Tgt Ion:152 Resp: 109932

Ion Ratio Lower Upper

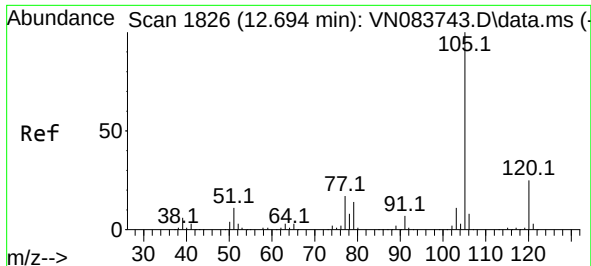
152 100

115 62.5 32.2 96.6

150 173.3 0.0 348.6

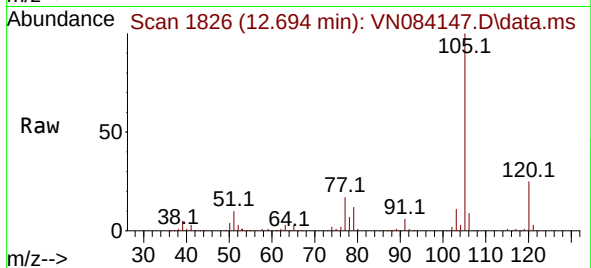




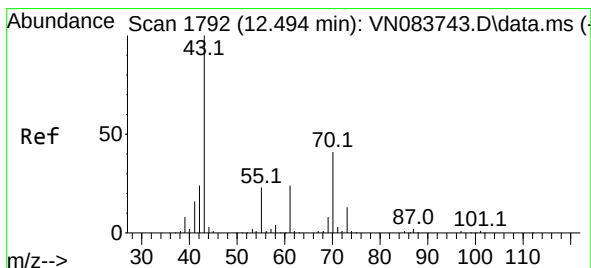
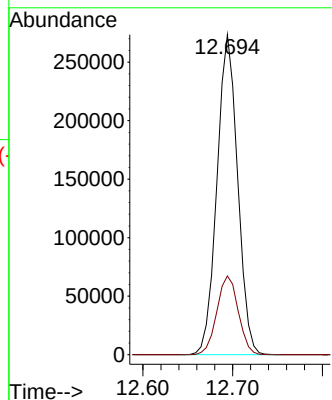
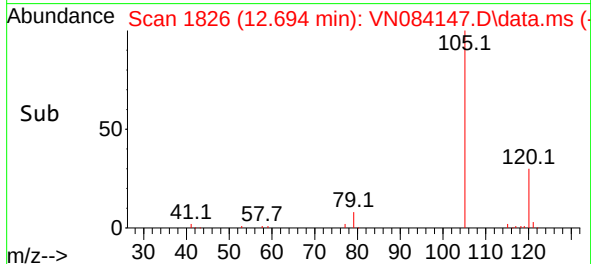


#73  
Isopropylbenzene  
Concen: 51.365 ug/l  
RT: 12.694 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

Instrument :  
MSVOA\_N  
ClientSampleId :

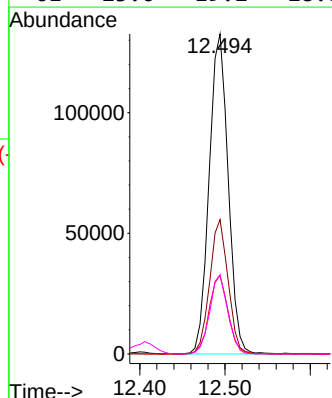
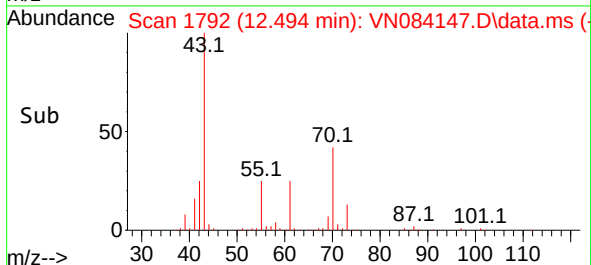
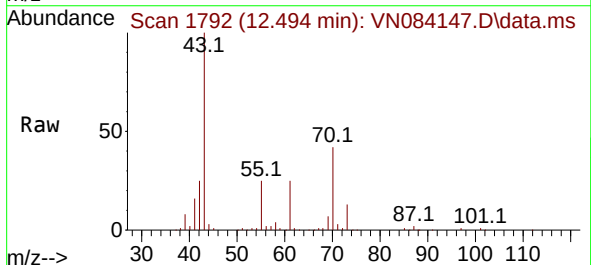


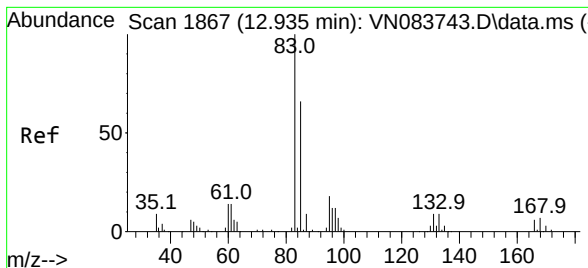
Tgt Ion:105 Resp: 436864  
Ion Ratio Lower Upper  
105 100  
120 25.4 12.6 37.8



#74  
N-ethyl acetate  
Concen: 56.700 ug/l  
RT: 12.494 min Scan# 1792  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

Tgt Ion: 43 Resp: 205747  
Ion Ratio Lower Upper  
43 100  
70 40.5 34.5 51.7  
55 24.4 18.6 28.0  
61 23.6 19.2 28.8

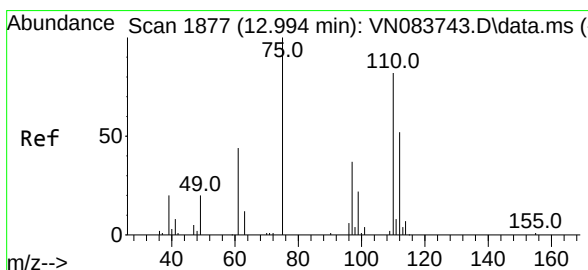
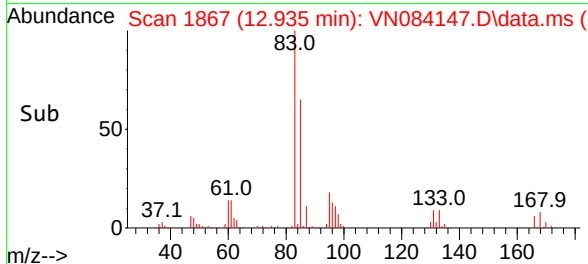
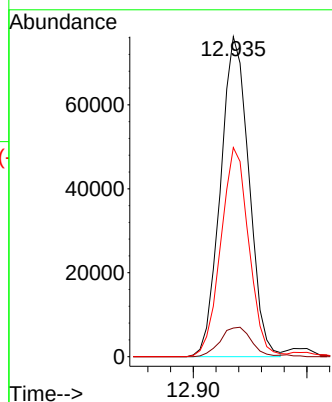
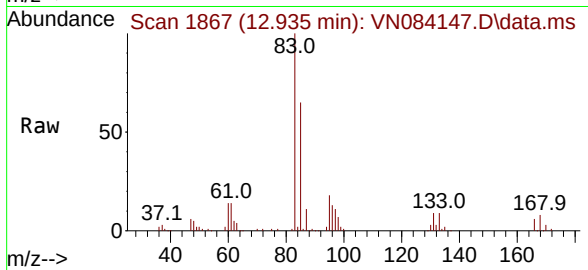




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 53.081 ug/l  
 RT: 12.935 min Scan# 1867  
 Delta R.T. 0.000 min  
 Lab File: VN084147.D  
 Acq: 24 Sep 2024 20:19

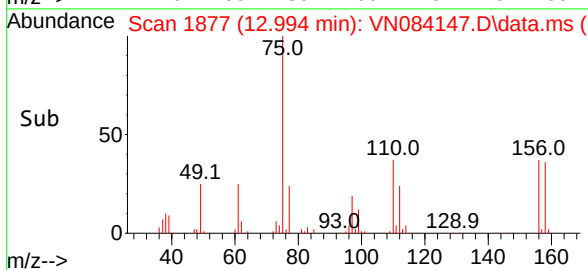
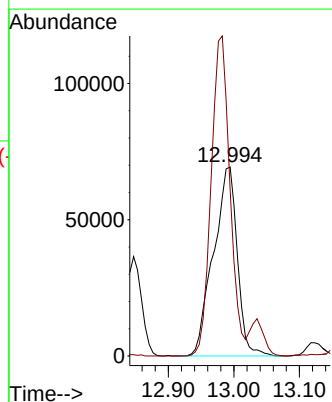
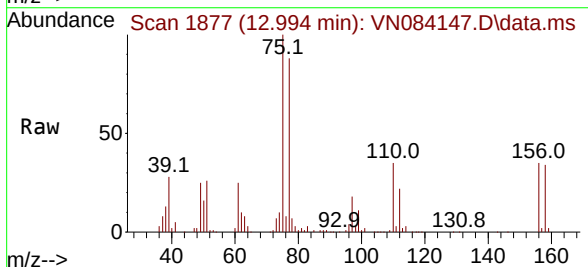
Instrument :  
 MSVOA\_N  
 ClientSampleId :

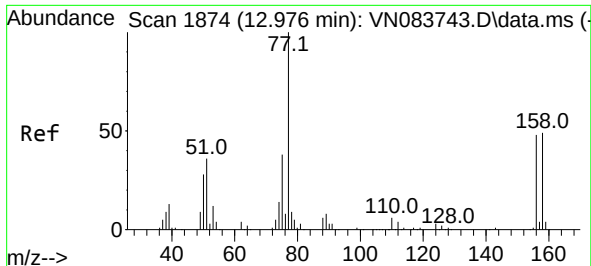
Tgt Ion: 83 Resp: 132646  
 Ion Ratio Lower Upper  
 83 100  
 131 10.3 5.2 15.6  
 85 64.3 31.9 95.9



#76  
 1,2,3-Trichloropropane  
 Concen: 78.881 ug/l  
 RT: 12.994 min Scan# 1877  
 Delta R.T. 0.000 min  
 Lab File: VN084147.D  
 Acq: 24 Sep 2024 20:19

Tgt Ion: 75 Resp: 174974  
 Ion Ratio Lower Upper  
 75 100  
 77 133.3 95.2 285.6

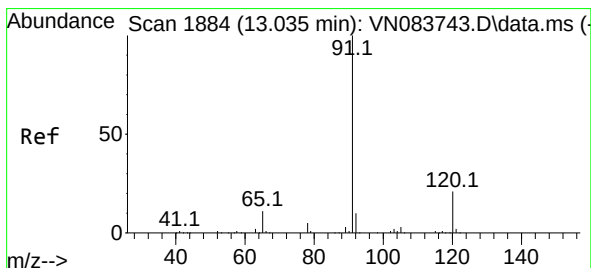
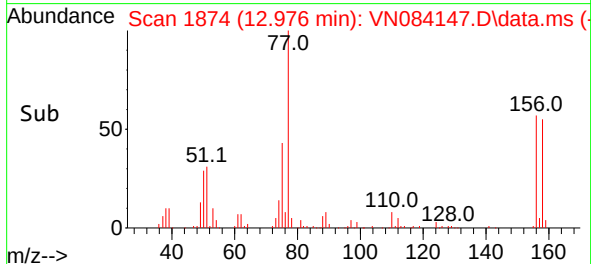
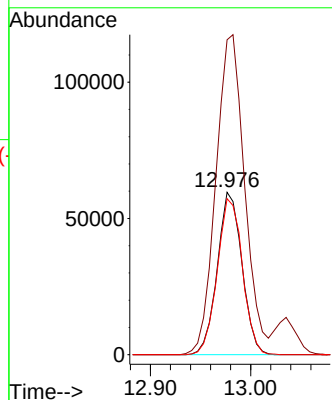
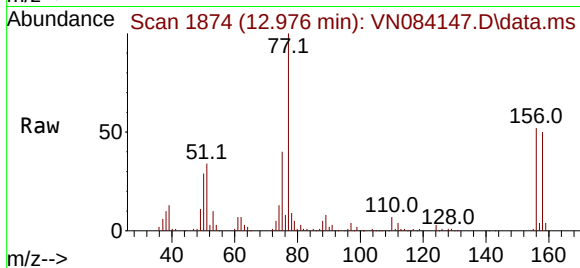




#77  
Bromobenzene  
Concen: 49.650 ug/l  
RT: 12.976 min Scan# 1874  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

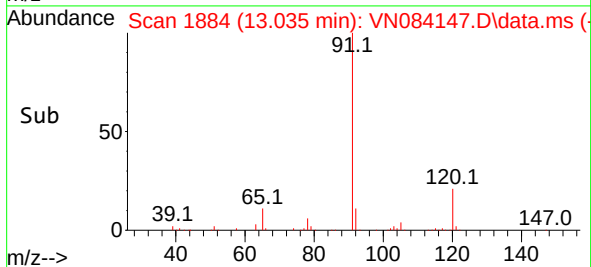
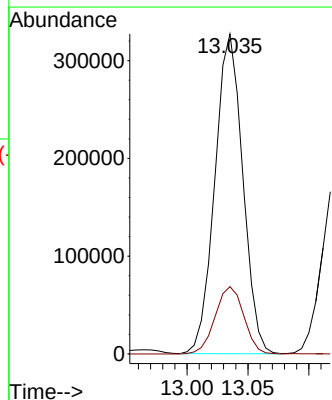
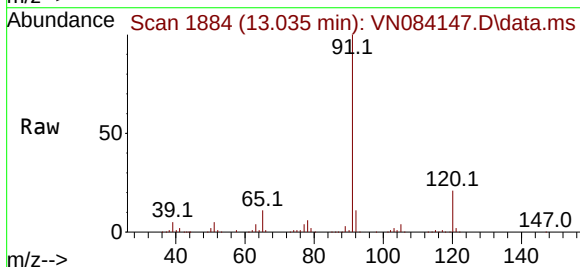
Instrument :  
MSVOA\_N  
ClientSampleId :

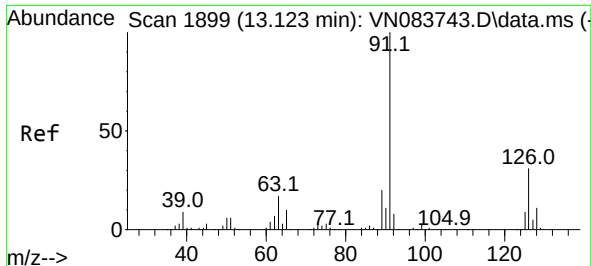
Tgt Ion:156 Resp: 101646  
Ion Ratio Lower Upper  
156 100  
77 229.5 114.3 343.1  
158 97.9 48.9 146.7



#78  
n-propylbenzene  
Concen: 52.676 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

Tgt Ion: 91 Resp: 521262  
Ion Ratio Lower Upper  
91 100  
120 21.6 11.0 33.0

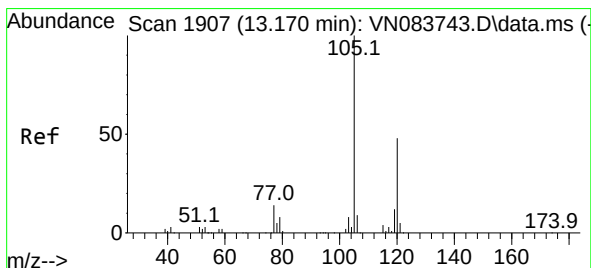
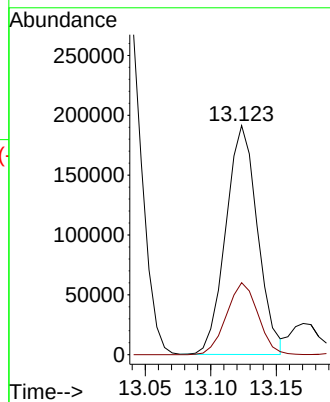
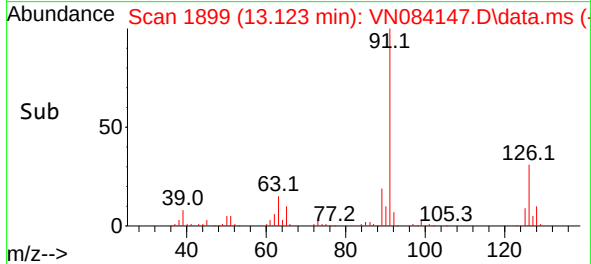
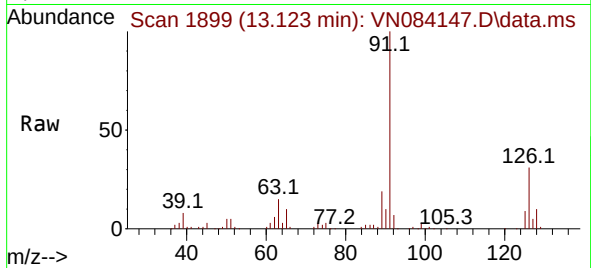




#79  
2-Chlorotoluene  
Concen: 51.145 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

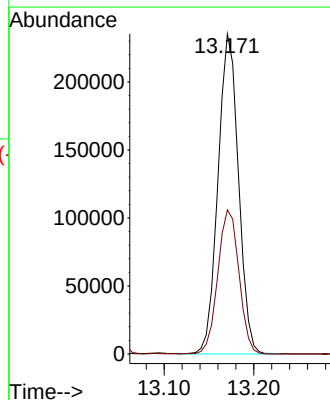
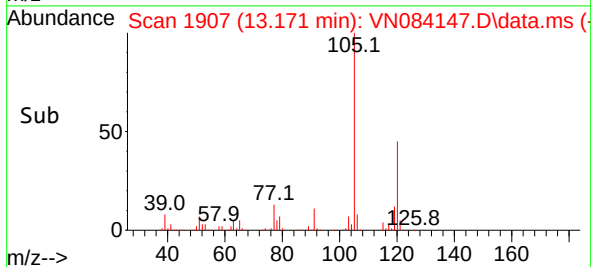
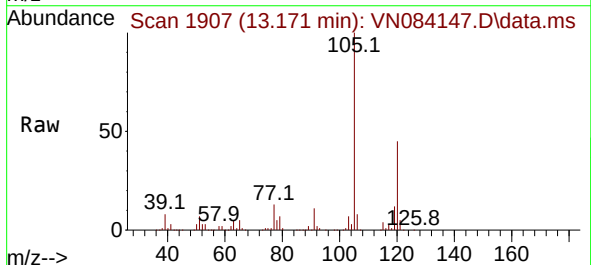
Instrument :  
MSVOA\_N  
ClientSampleId :

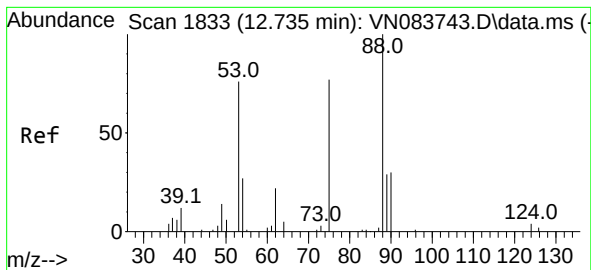
Tgt Ion: 91 Resp: 322776  
Ion Ratio Lower Upper  
91 100  
126 31.1 15.4 46.2



#80  
1,3,5-Trimethylbenzene  
Concen: 51.965 ug/l  
RT: 13.171 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

Tgt Ion:105 Resp: 372617  
Ion Ratio Lower Upper  
105 100  
120 46.5 23.4 70.3

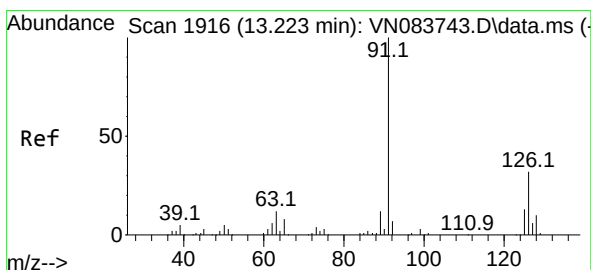
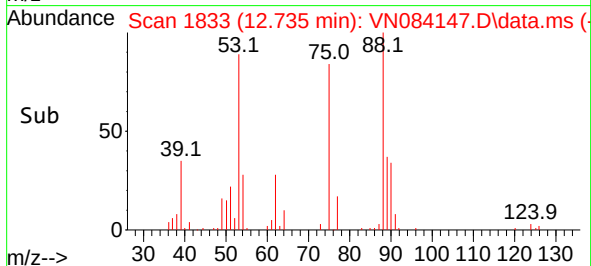
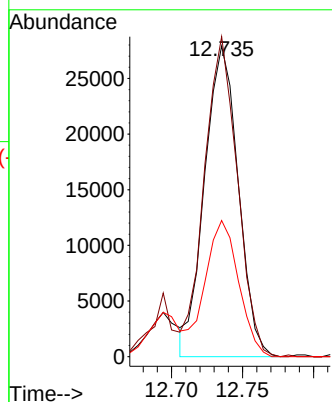
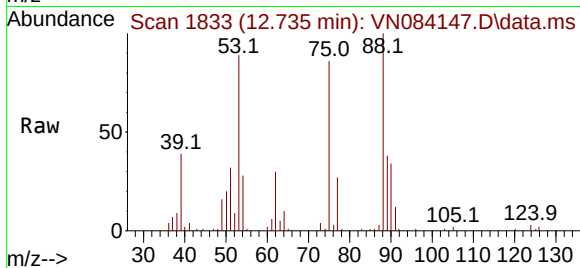




#81  
trans-1,4-Dichloro-2-butene  
Concen: 54.254 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

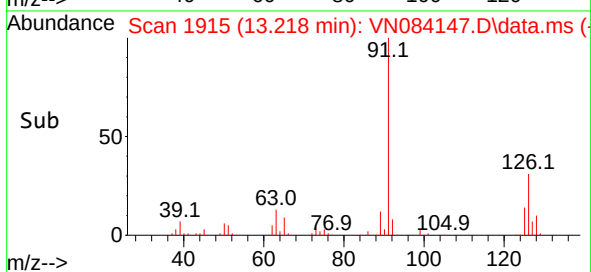
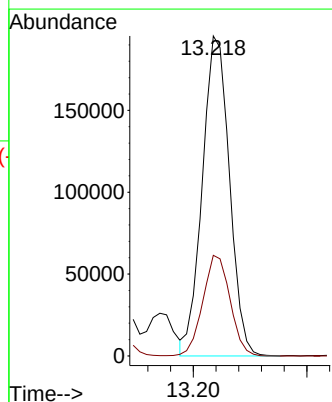
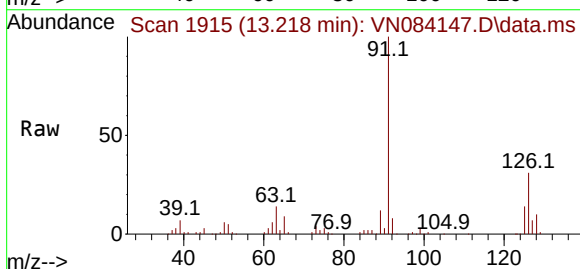
Instrument :  
MSVOA\_N  
ClientSampleId :

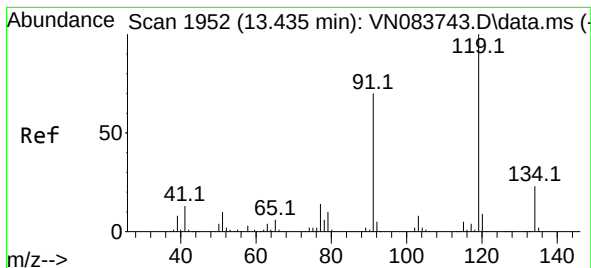
Tgt Ion: 75 Resp: 45950  
Ion Ratio Lower Upper  
75 100  
53 101.1 81.2 121.8  
89 44.6 35.7 53.5



#82  
4-Chlorotoluene  
Concen: 51.262 ug/l  
RT: 13.218 min Scan# 1915  
Delta R.T. -0.006 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

Tgt Ion: 91 Resp: 324648  
Ion Ratio Lower Upper  
91 100  
126 31.5 15.4 46.2





#83

tert-Butylbenzene

Concen: 51.255 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

Instrument :

MSVOA\_N

ClientSampleId :

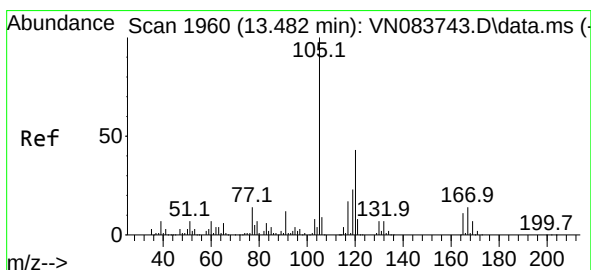
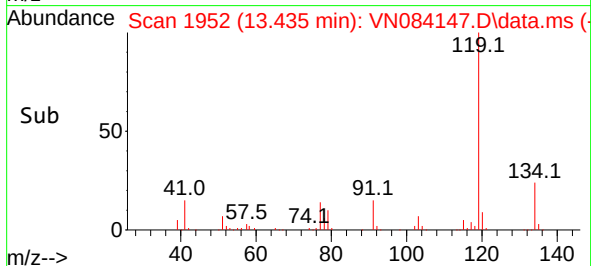
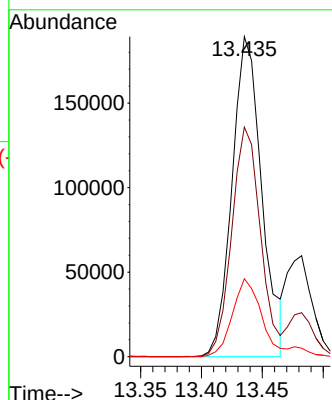
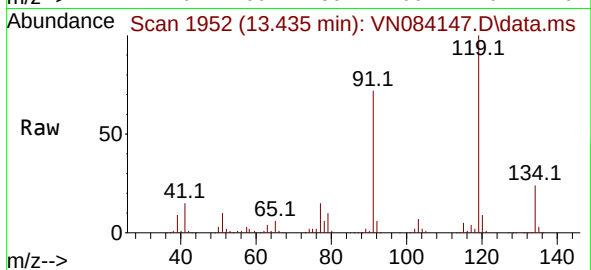
Tgt Ion:119 Resp: 321549

Ion Ratio Lower Upper

119 100

91 69.4 34.5 103.6

134 23.8 12.8 38.4



#84

1,2,4-Trimethylbenzene

Concen: 52.391 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN084147.D

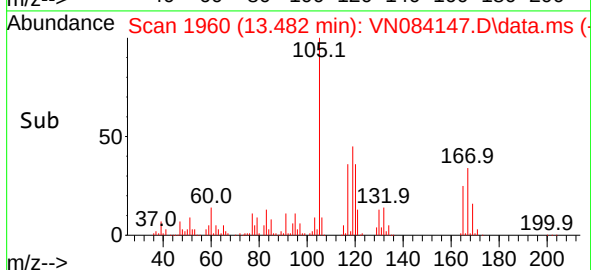
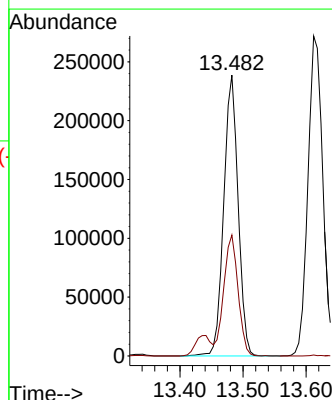
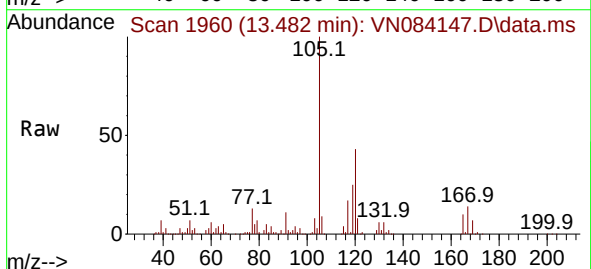
Acq: 24 Sep 2024 20:19

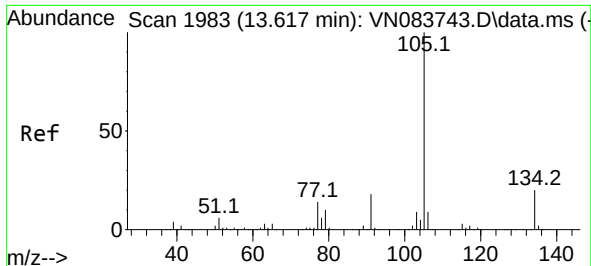
Tgt Ion:105 Resp: 377370

Ion Ratio Lower Upper

105 100

120 42.9 21.8 65.4

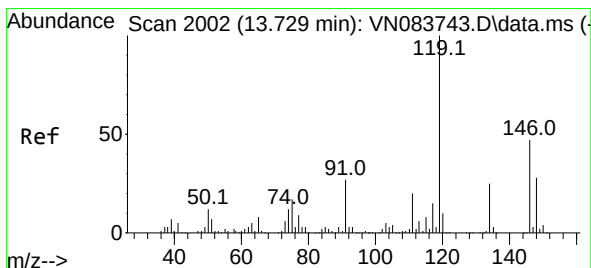
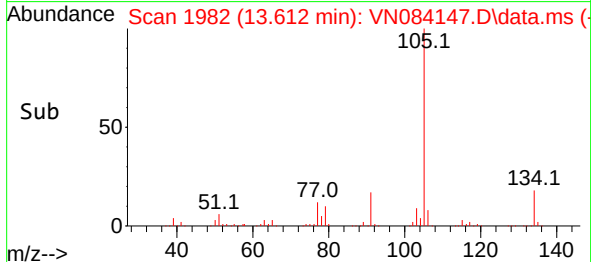
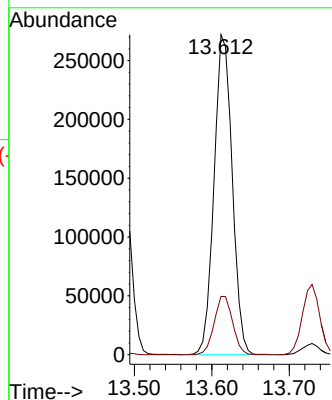
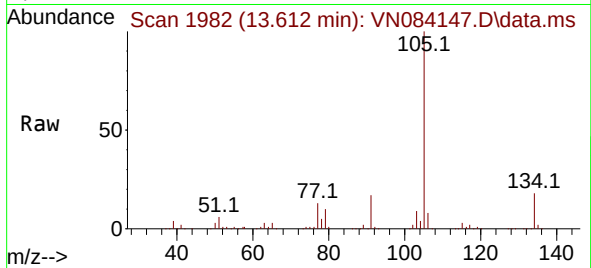




#85  
 sec-Butylbenzene  
 Concen: 53.191 ug/l  
 RT: 13.612 min Scan# 1983  
 Delta R.T. -0.006 min  
 Lab File: VN084147.D  
 Acq: 24 Sep 2024 20:19

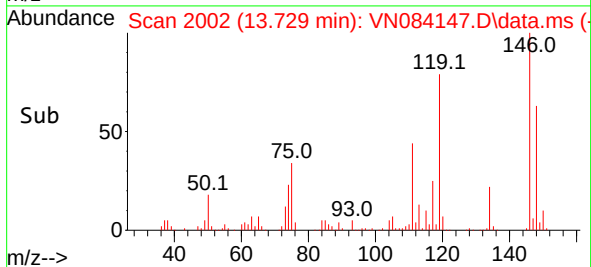
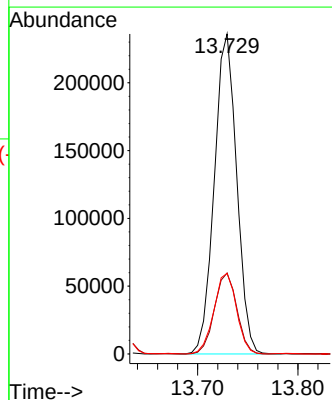
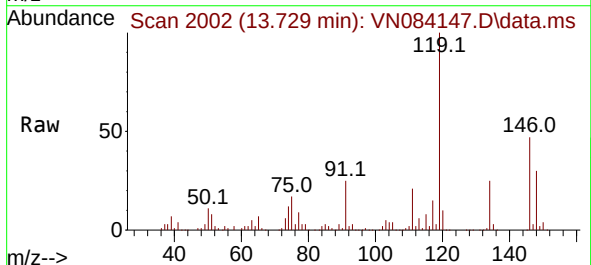
Instrument :  
 MSVOA\_N  
 ClientSampleId :

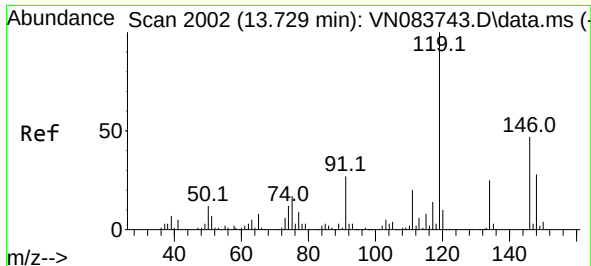
Tgt Ion:105 Resp: 442550  
 Ion Ratio Lower Upper  
 105 100  
 134 18.5 9.7 29.1



#86  
 p-Isopropyltoluene  
 Concen: 52.507 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.000 min  
 Lab File: VN084147.D  
 Acq: 24 Sep 2024 20:19

Tgt Ion:119 Resp: 366208  
 Ion Ratio Lower Upper  
 119 100  
 134 25.3 12.8 38.3  
 91 25.4 12.9 38.7





#87

1,3-Dichlorobenzene

Concen: 49.279 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

Instrument :

MSVOA\_N

ClientSampleId :

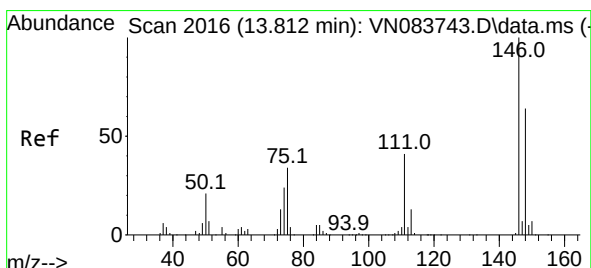
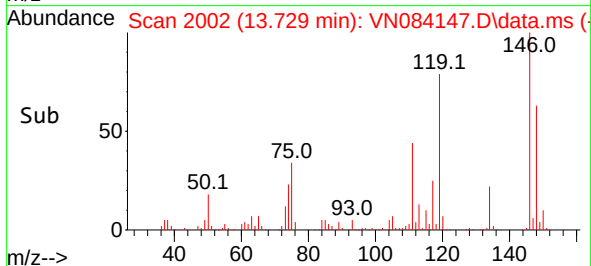
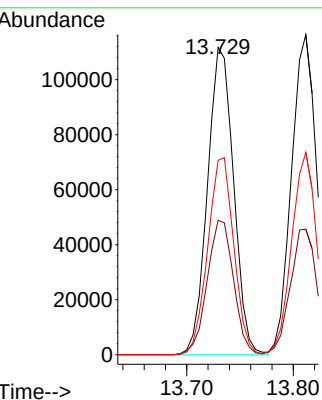
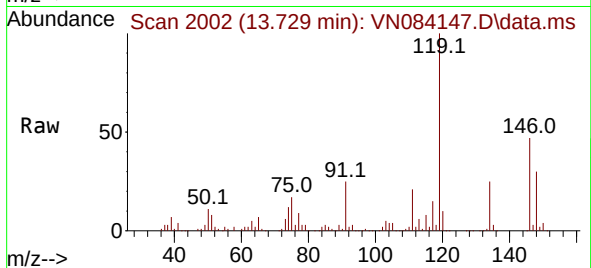
Tgt Ion:146 Resp: 190397

Ion Ratio Lower Upper

146 100

111 44.0 21.7 65.1

148 64.0 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 49.565 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

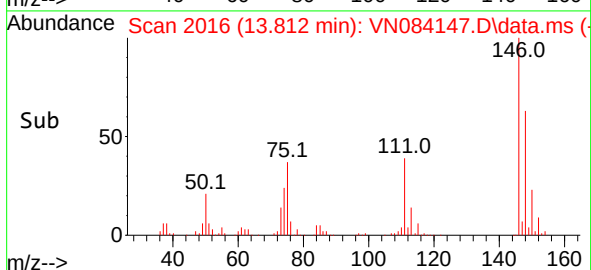
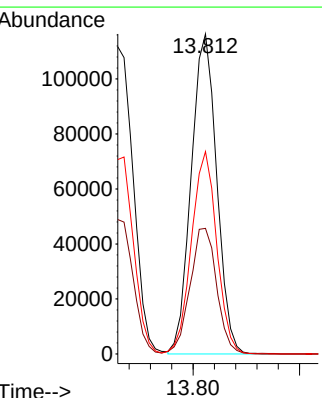
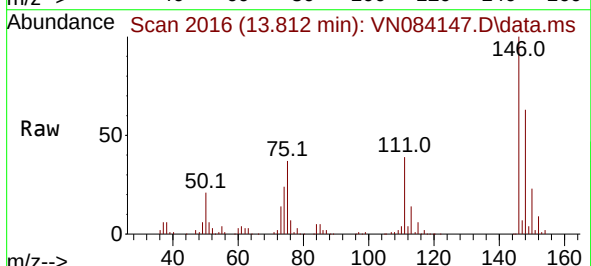
Tgt Ion:146 Resp: 193911

Ion Ratio Lower Upper

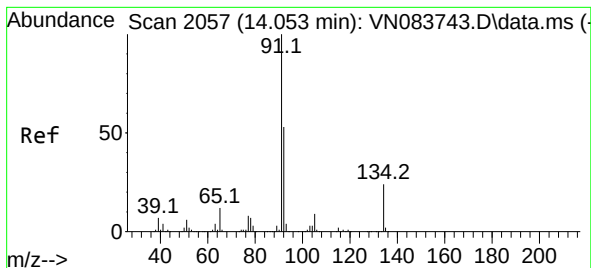
146 100

111 40.7 21.3 64.0

148 62.7 32.0 96.2







#89

n-Butylbenzene

Concen: 51.448 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

Instrument :

MSVOA\_N

ClientSampleId :

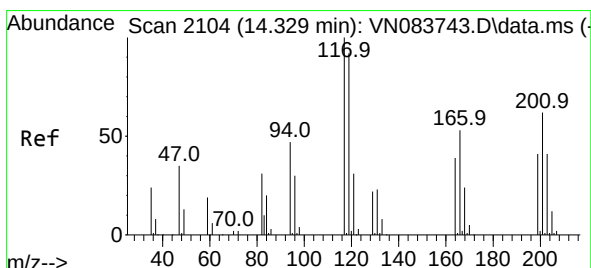
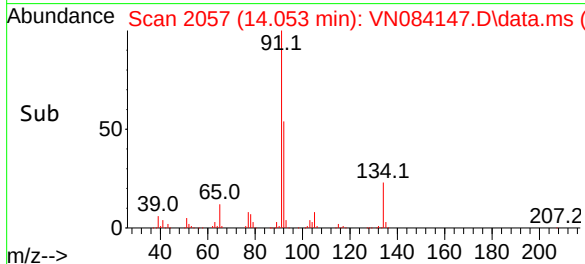
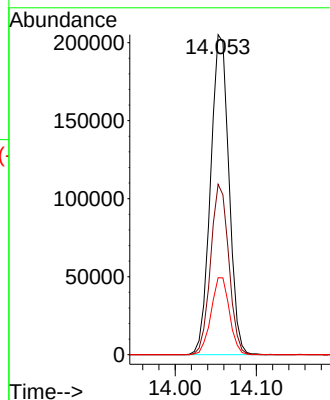
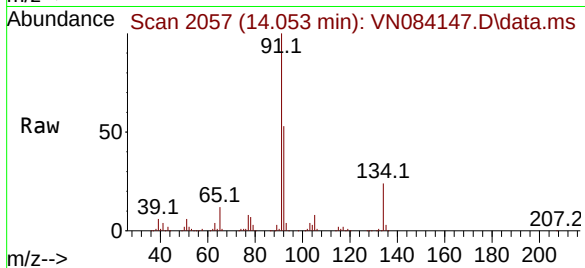
Tgt Ion: 91 Resp: 322164

Ion Ratio Lower Upper

91 100

92 52.6 26.7 80.1

134 24.0 12.2 36.4



#90

Hexachloroethane

Concen: 50.673 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. 0.000 min

Lab File: VN084147.D

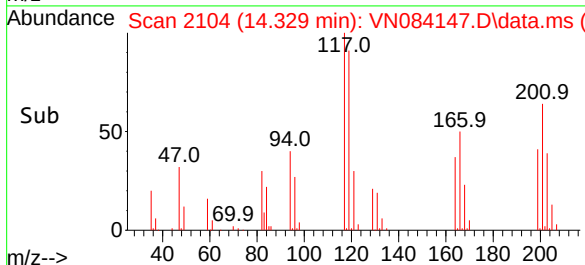
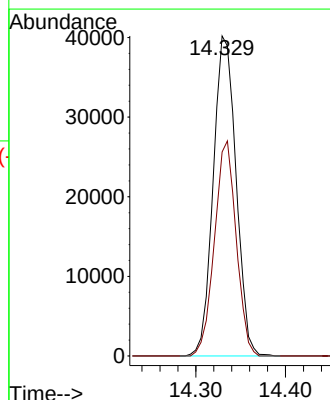
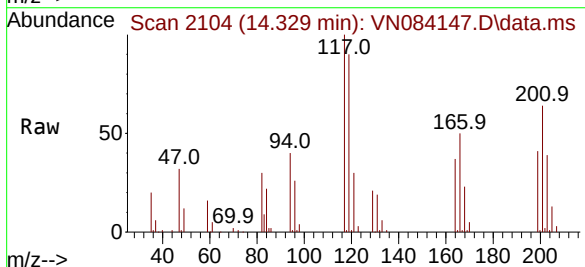
Acq: 24 Sep 2024 20:19

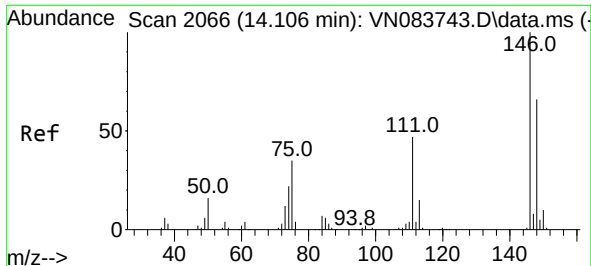
Tgt Ion: 117 Resp: 71042

Ion Ratio Lower Upper

117 100

201 63.9 32.8 98.3

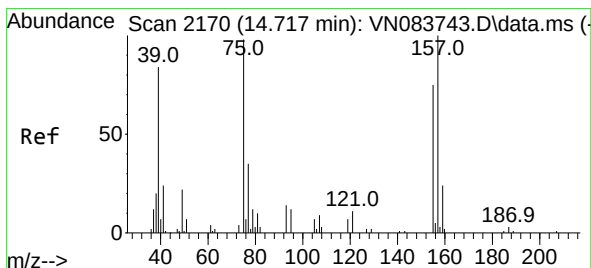
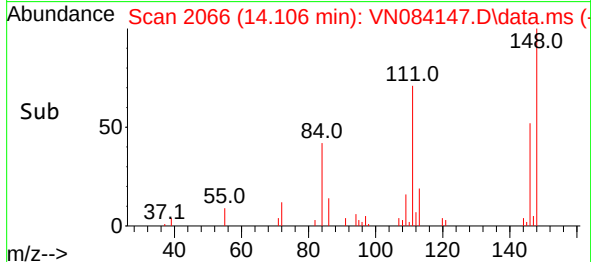
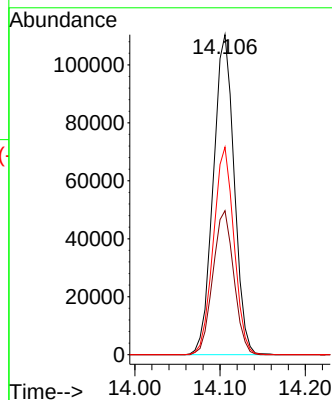
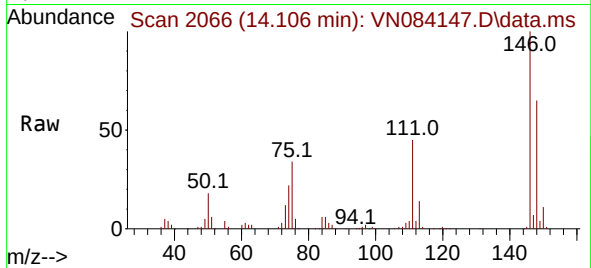




#91  
1,2-Dichlorobenzene  
Concen: 50.388 ug/l  
RT: 14.106 min Scan# 2066  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

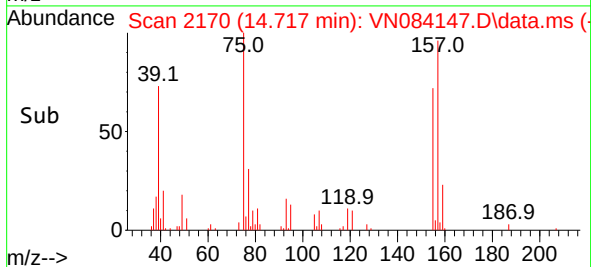
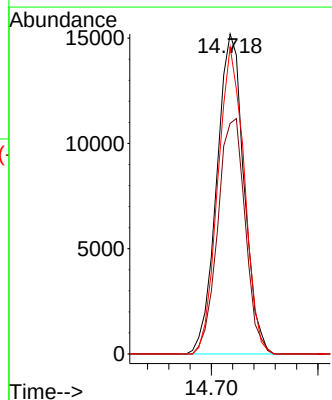
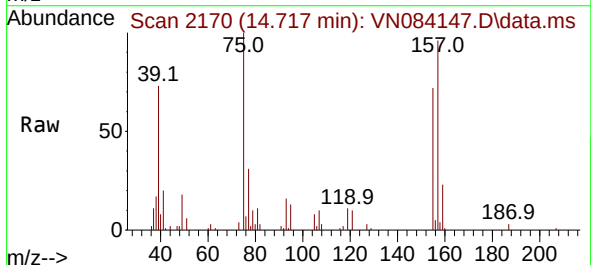
Instrument :  
MSVOA\_N  
ClientSampleId :

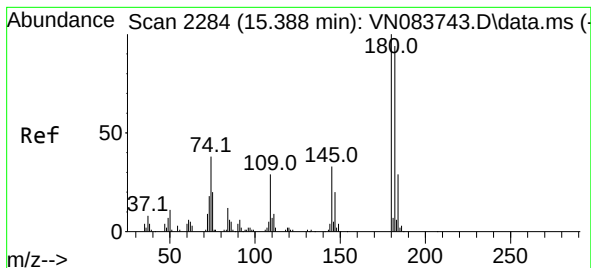
Tgt Ion:146 Resp: 187886  
Ion Ratio Lower Upper  
146 100  
111 45.1 22.8 68.3  
148 64.2 32.1 96.5



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 54.075 ug/l  
RT: 14.717 min Scan# 2170  
Delta R.T. 0.000 min  
Lab File: VN084147.D  
Acq: 24 Sep 2024 20:19

Tgt Ion: 75 Resp: 26937  
Ion Ratio Lower Upper  
75 100  
155 74.4 35.9 107.7  
157 92.7 47.5 142.5





#93

1,2,4-Trichlorobenzene

Concen: 47.209 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. 0.006 min

Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

Instrument :

MSVOA\_N

ClientSampleId :

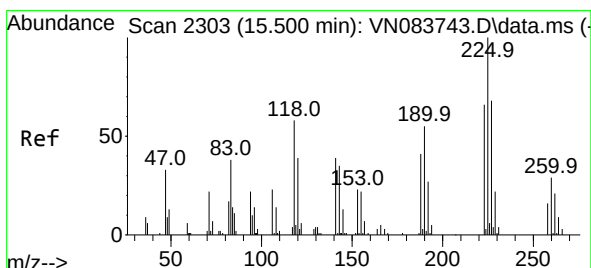
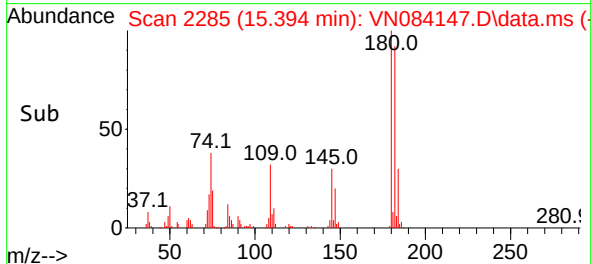
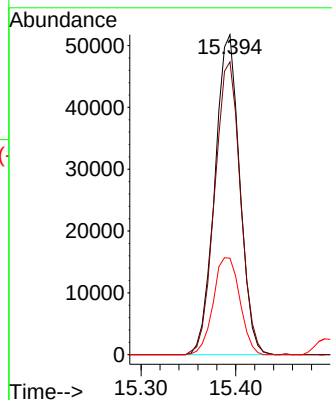
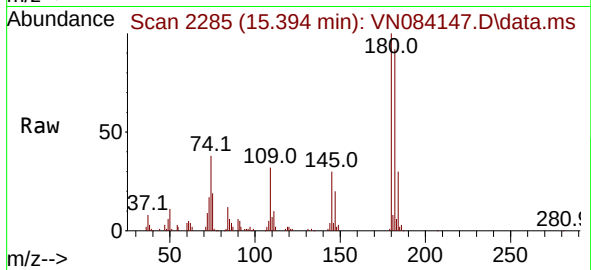
Tgt Ion:180 Resp: 94463

Ion Ratio Lower Upper

180 100

182 94.4 48.1 144.3

145 32.4 16.9 50.7



#94

Hexachlorobutadiene

Concen: 47.626 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

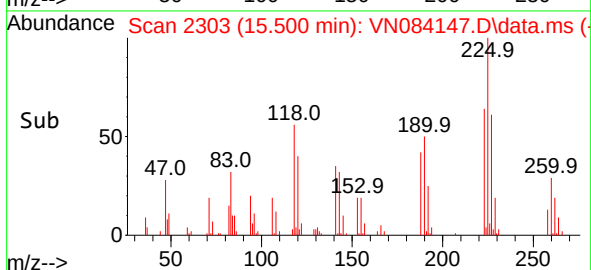
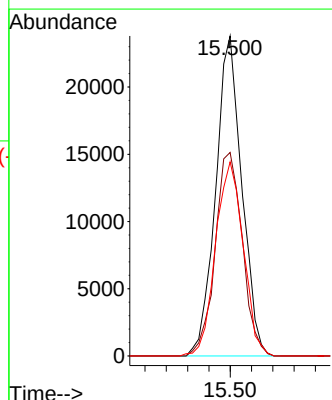
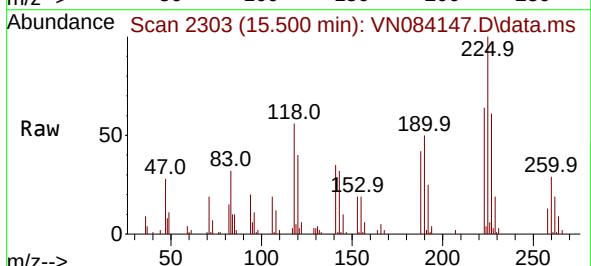
Tgt Ion:225 Resp: 40471

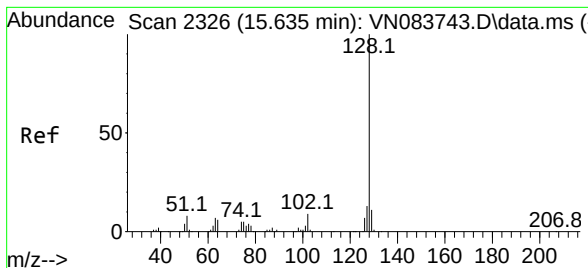
Ion Ratio Lower Upper

225 100

223 66.2 31.9 95.5

227 64.3 32.0 96.2





#95

Naphthalene

Concen: 51.968 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. 0.000 min

Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

Instrument :

MSVOA\_N

ClientSampleId :

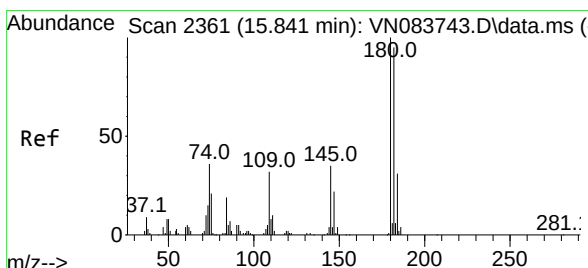
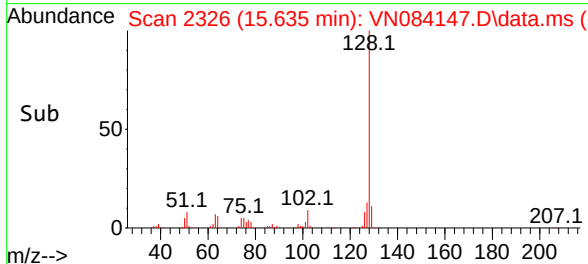
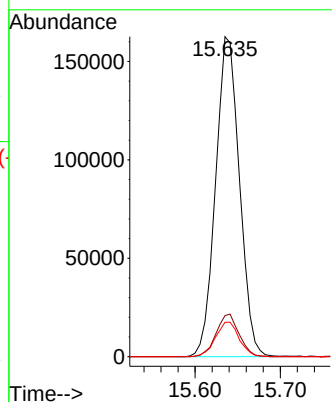
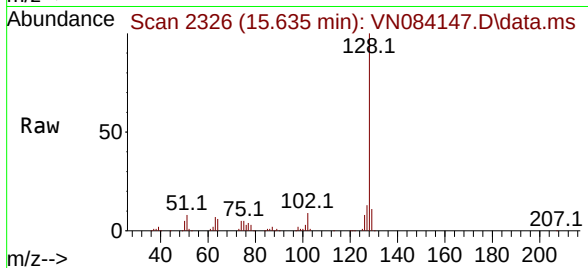
Tgt Ion:128 Resp: 316364

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 10.7 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 47.937 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.000 min

Lab File: VN084147.D

Acq: 24 Sep 2024 20:19

Tgt Ion:180 Resp: 91671

Ion Ratio Lower Upper

180 100

182 96.9 47.1 141.4

145 36.6 17.8 53.5

