

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120924\  
 Data File : VN085153.D  
 Acq On : 09 Dec 2024 16:14  
 Operator : JC\MD  
 Sample : VSTDC0050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: Dec 10 05:02:56 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112224W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 23 02:54:10 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 162736   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 265150   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 230771   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 119527   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 118220   | 51.000   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 102.000% |      |
| 35) Dibromofluoromethane    | 8.165  | 113   | 95864    | 53.613   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 107.220% |      |
| 50) Toluene-d8              | 10.565 | 98    | 345955   | 53.987   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 107.980% |      |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 134293   | 56.039   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | = 112.080% |      |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 2.124 | 85  | 81627   | 44.359  | ug/l   | 98  |
| 3) Chloromethane             | 2.359 | 50  | 90903   | 42.592  | ug/l   | 94  |
| 4) Vinyl Chloride            | 2.512 | 62  | 93966   | 48.992  | ug/l   | 95  |
| 5) Bromomethane              | 2.942 | 94  | 62292   | 57.945  | ug/l   | 99  |
| 6) Chloroethane              | 3.106 | 64  | 62173   | 48.092  | ug/l   | 99  |
| 7) Trichlorofluoromethane    | 3.489 | 101 | 174174  | 53.383  | ug/l   | 98  |
| 8) Diethyl Ether             | 3.953 | 74  | 62482   | 56.265  | ug/l   | 98  |
| 9) 1,1,2-Trichlorotrifluo... | 4.365 | 101 | 101733  | 54.976  | ug/l   | 98  |
| 10) Methyl Iodide            | 4.583 | 142 | 117965  | 48.159  | ug/l   | 99  |
| 11) Tert butyl alcohol       | 5.524 | 59  | 101635  | 328.103 | ug/l   | 97  |
| 12) 1,1-Dichloroethene       | 4.336 | 96  | 92960   | 53.819  | ug/l   | 96  |
| 13) Acrolein                 | 4.177 | 56  | 69168   | 334.634 | ug/l   | 100 |
| 14) Allyl chloride           | 5.018 | 41  | 142160  | 48.822  | ug/l   | 93  |
| 15) Acrylonitrile            | 5.718 | 53  | 263867  | 300.877 | ug/l   | 99  |
| 16) Acetone                  | 4.424 | 43  | 250348  | 370.827 | ug/l   | 98  |
| 17) Carbon Disulfide         | 4.706 | 76  | 249632  | 48.964  | ug/l   | 96  |
| 18) Methyl Acetate           | 5.018 | 43  | 129127  | 60.073  | ug/l   | 99  |
| 19) Methyl tert-butyl Ether  | 5.794 | 73  | 330945  | 58.641  | ug/l   | 96  |
| 20) Methylene Chloride       | 5.271 | 84  | 109418  | 53.113  | ug/l   | 99  |
| 21) trans-1,2-Dichloroethene | 5.783 | 96  | 98207   | 54.029  | ug/l   | 95  |
| 22) Diisopropyl ether        | 6.671 | 45  | 327105  | 55.815  | ug/l   | 98  |
| 23) Vinyl Acetate            | 6.600 | 43  | 1235181 | 305.508 | ug/l   | 100 |
| 24) 1,1-Dichloroethane       | 6.565 | 63  | 192887  | 54.999  | ug/l   | 99  |
| 25) 2-Butanone               | 7.483 | 43  | 356129  | 322.655 | ug/l   | 98  |
| 26) 2,2-Dichloropropane      | 7.494 | 77  | 179376  | 54.775  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 7.488 | 96  | 123370  | 56.300  | ug/l   | 99  |
| 28) Bromochloromethane       | 7.812 | 49  | 57402   | 43.360  | ug/l   | 93  |
| 29) Tetrahydrofuran          | 7.841 | 42  | 223283  | 325.304 | ug/l   | 100 |
| 30) Chloroform               | 7.965 | 83  | 206502  | 55.353  | ug/l   | 98  |
| 31) Cyclohexane              | 8.253 | 56  | 155530  | 50.369  | ug/l   | 97  |
| 32) 1,1,1-Trichloroethane    | 8.165 | 97  | 186189  | 55.230  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 8.371 | 75  | 139304  | 57.518  | ug/l   | 99  |
| 37) Ethyl Acetate            | 7.559 | 43  | 138225  | 62.778  | ug/l   | 99  |
| 38) Carbon Tetrachloride     | 8.359 | 117 | 166889  | 59.696  | ug/l   | 99  |
| 39) Methylcyclohexane        | 9.600 | 83  | 153471  | 60.980  | ug/l   | 97  |
| 40) Benzene                  | 8.606 | 78  | 426932  | 55.734  | ug/l   | 97  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120924\  
 Data File : VN085153.D  
 Acq On : 09 Dec 2024 16:14  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Dec 10 05:02:56 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112224W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 23 02:54:10 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.777  | 41   | 74288    | 60.938   | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 156285   | 59.637   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.688  | 43   | 273688   | 59.842   | ug/l   | 96       |
| 44) Trichloroethene           | 9.353  | 130  | 103598   | 58.195   | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 9.618  | 63   | 108197   | 57.347   | ug/l   | 94       |
| 46) Dibromomethane            | 9.706  | 93   | 78342    | 59.757   | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.882  | 83   | 167432   | 60.258   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.677  | 41   | 115253   | 67.720   | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 43006    | 1457.126 | ug/l # | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43   | 725499   | 347.299  | ug/l   | 99       |
| 52) Toluene                   | 10.629 | 92   | 277164   | 61.119   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 170255   | 61.118   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 180164   | 60.963   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 103873   | 61.496   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.871 | 69   | 174001   | 70.497   | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 11.159 | 76   | 177618   | 59.747   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 340202   | 280.990  | ug/l   | 98       |
| 59) 2-Hexanone                | 11.194 | 43   | 549363   | 351.625  | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.359 | 129  | 128913   | 62.448   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 108774   | 62.224   | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.100 | 164  | 90824    | 58.408   | ug/l   | 98       |
| 65) Chlorobenzene             | 11.888 | 112  | 304940   | 58.266   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 114186   | 61.967   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.965 | 91   | 537789   | 63.337   | ug/l   | 98       |
| 68) m/p-Xylenes               | 12.070 | 106  | 413021   | 127.766  | ug/l   | 100      |
| 69) o-Xylene                  | 12.400 | 106  | 198117   | 64.428   | ug/l   | 99       |
| 70) Styrene                   | 12.412 | 104  | 347132   | 67.883   | ug/l   | 99       |
| 71) Bromoform                 | 12.576 | 173  | 92080    | 67.320   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.694 | 105  | 512549   | 60.785   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.494 | 43   | 219231   | 63.094   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 152365   | 52.916   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 204062   | 93.860   | ug/l   | 46       |
| 77) Bromobenzene              | 12.982 | 156  | 126211   | 55.620   | ug/l   | 100      |
| 78) n-propylbenzene           | 13.035 | 91   | 610311   | 62.752   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 371546   | 57.227   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 444282   | 62.790   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 59423    | 60.338   | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 13.217 | 91   | 380936   | 56.362   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.435 | 119  | 360851   | 59.272   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 446674   | 61.328   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.617 | 105  | 515573   | 62.691   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 441406   | 65.018   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 232182   | 51.875   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 232095   | 50.815   | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.053 | 91   | 375765   | 59.518   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.329 | 117  | 85765    | 57.956   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 216336   | 50.441   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 31099    | 55.854   | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180  | 112793   | 48.409   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 54475    | 50.659   | ug/l   | 98       |
| 95) Naphthalene               | 15.641 | 128  | 357684   | 53.899   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 111098   | 49.972   | ug/l   | 98       |

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Data File : VN085153.D  
Acq On : 09 Dec 2024 16:14  
Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 13 Sample Multiplier: 1

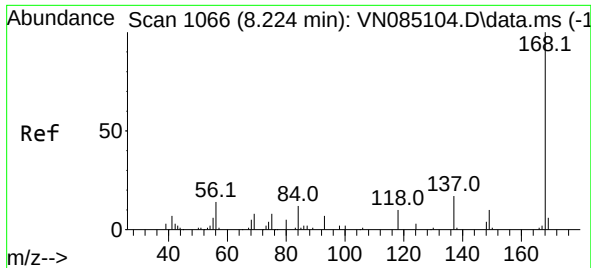
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Dec 10 05:02:56 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112224W.M  
Quant Title : SW846 8260  
QLast Update : Sat Nov 23 02:54:10 2024  
Response via : Initial Calibration

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

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

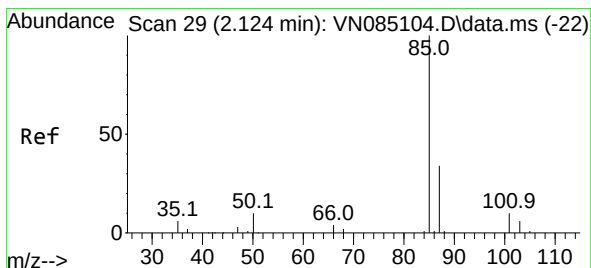
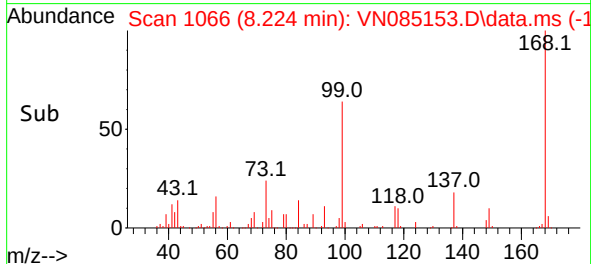
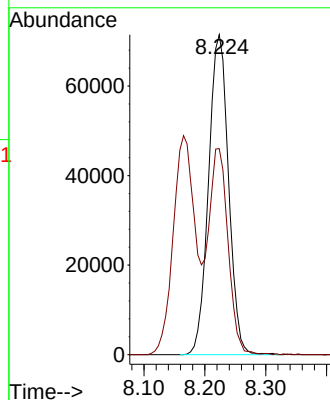
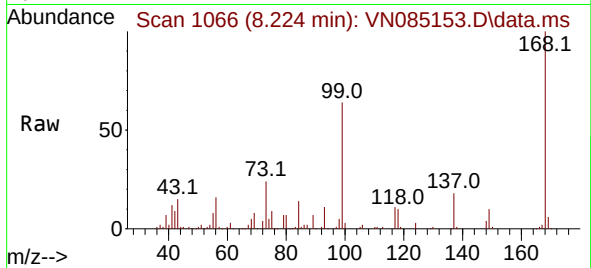




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

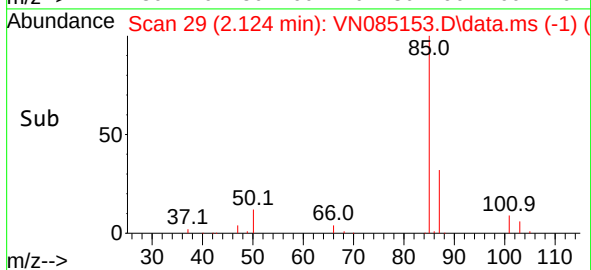
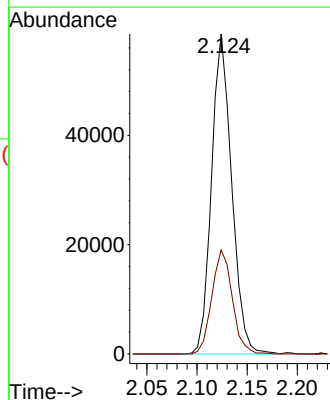
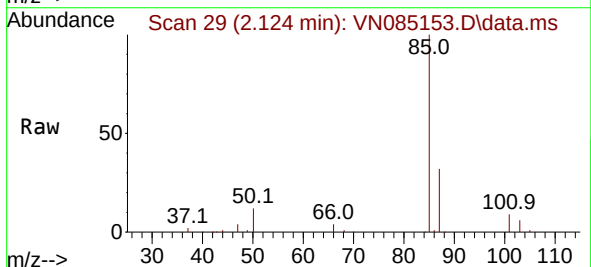
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

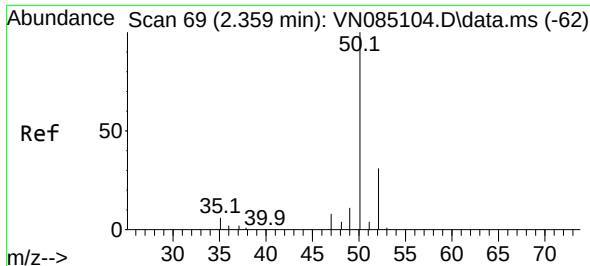
Tgt Ion:168 Resp: 162736  
Ion Ratio Lower Upper  
168 100  
99 64.4 51.2 76.8



#2  
Dichlorodifluoromethane  
Concen: 44.359 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. 0.006 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

Tgt Ion: 85 Resp: 81627  
Ion Ratio Lower Upper  
85 100  
87 32.5 15.7 47.1

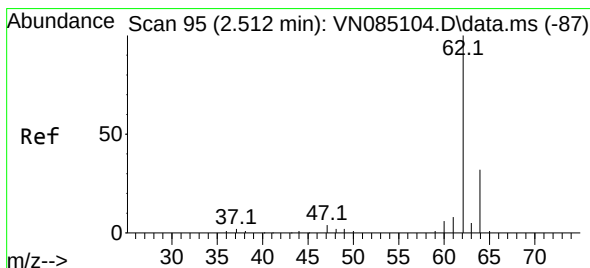
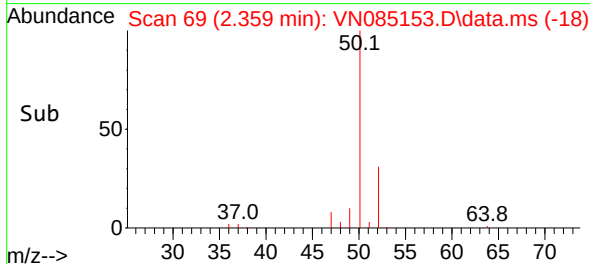
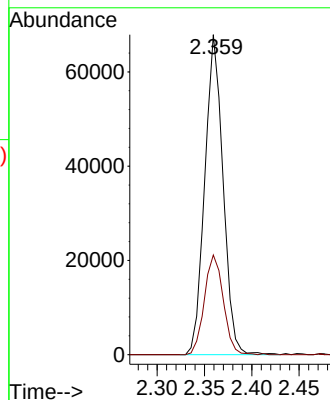
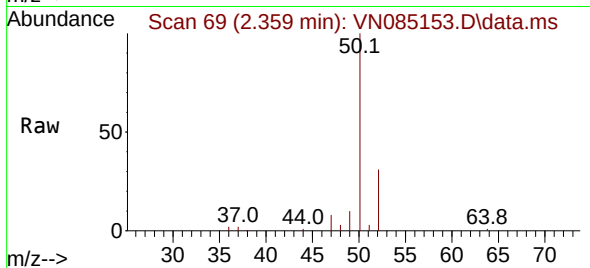




#3  
Chloromethane  
Concen: 42.592 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. -0.000 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

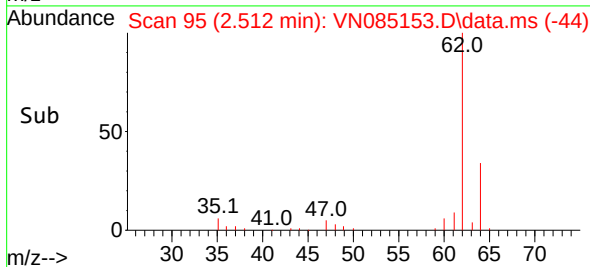
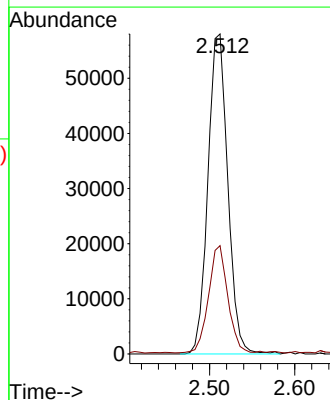
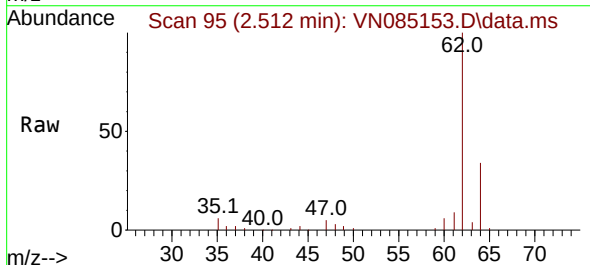
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

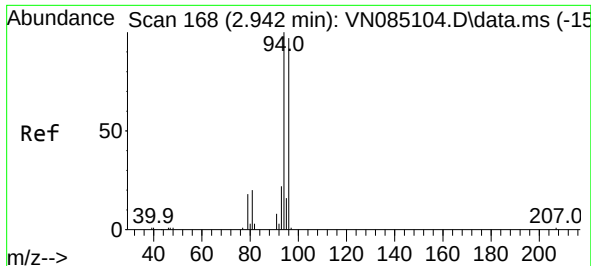
Tgt Ion: 50 Resp: 90903  
Ion Ratio Lower Upper  
50 100  
52 31.1 27.8 41.8



#4  
Vinyl Chloride  
Concen: 48.992 ug/l  
RT: 2.512 min Scan# 95  
Delta R.T. -0.000 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

Tgt Ion: 62 Resp: 93966  
Ion Ratio Lower Upper  
62 100  
64 33.4 24.6 36.8

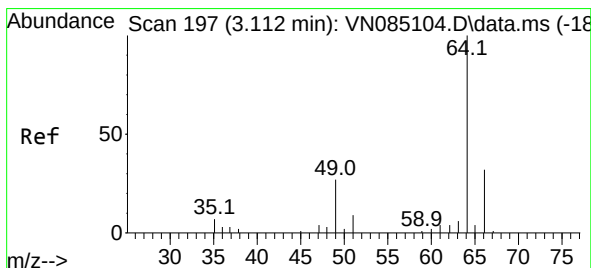
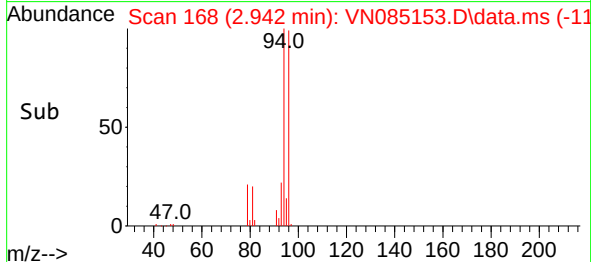
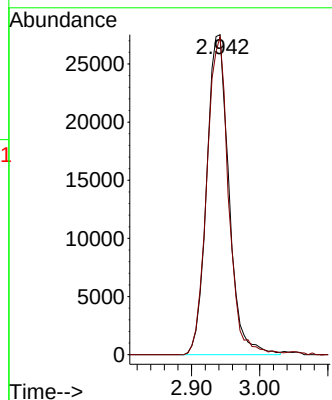
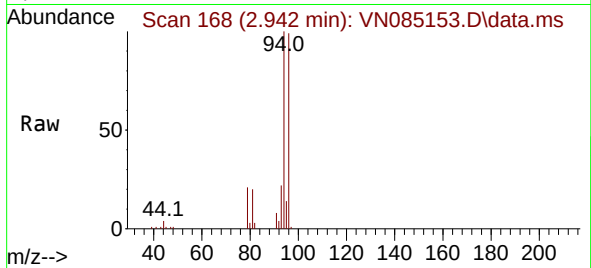




#5  
Bromomethane  
Concen: 57.945 ug/l  
RT: 2.942 min Scan# 11  
Delta R.T. 0.041 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

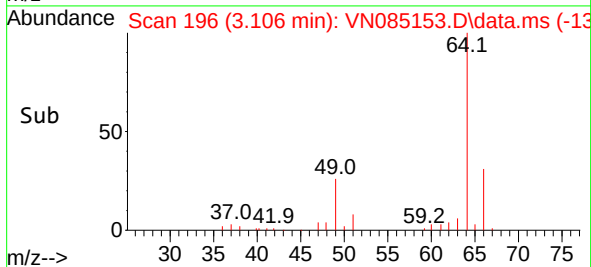
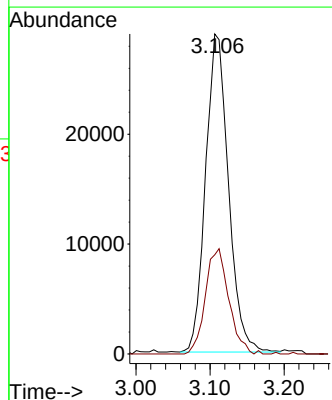
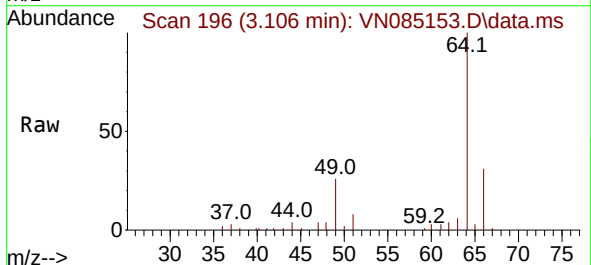
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

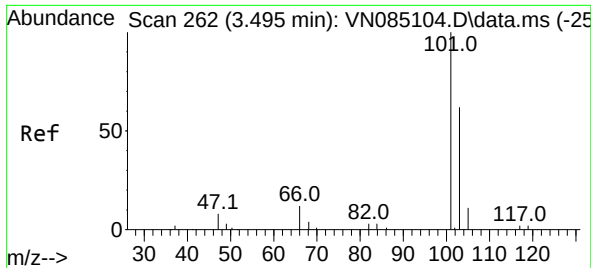
Tgt Ion: 94 Resp: 62292  
Ion Ratio Lower Upper  
94 100  
96 99.2 78.7 118.1



#6  
Chloroethane  
Concen: 48.092 ug/l  
RT: 3.106 min Scan# 196  
Delta R.T. 0.041 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

Tgt Ion: 64 Resp: 62173  
Ion Ratio Lower Upper  
64 100  
66 31.2 24.4 36.6

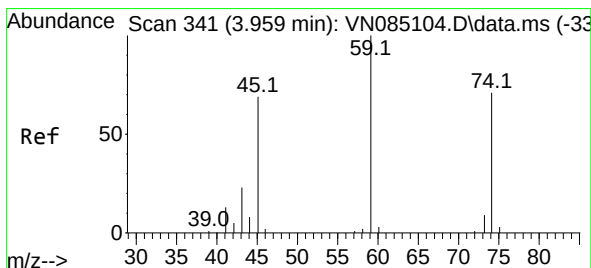
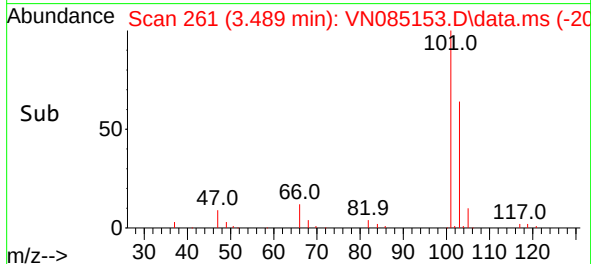
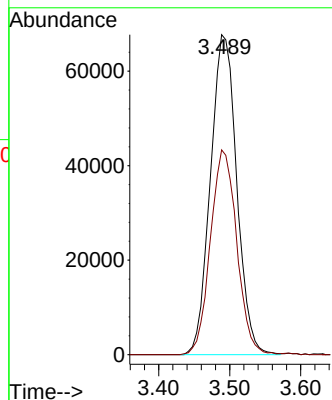
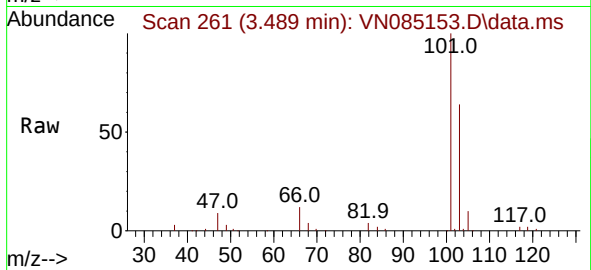




#7  
 Trichlorofluoromethane  
 Concen: 53.383 ug/l  
 RT: 3.489 min Scan# 20  
 Delta R.T. 0.029 min  
 Lab File: VN085153.D  
 Acq: 09 Dec 2024 16:14

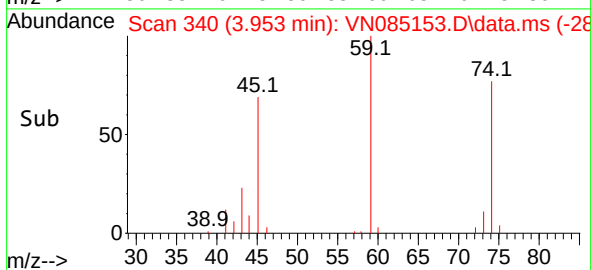
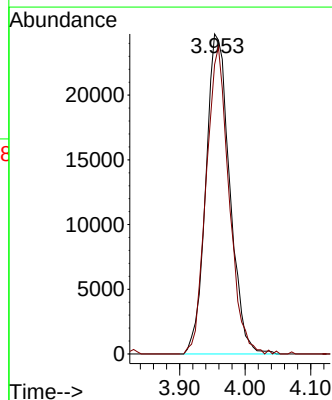
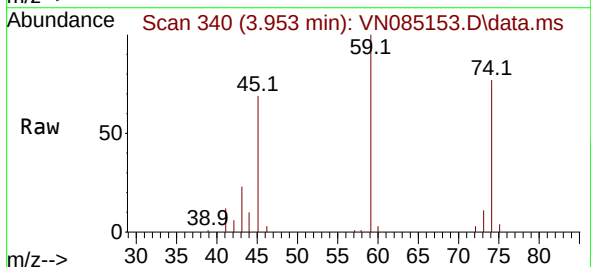
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion:101 Resp: 174174  
 Ion Ratio Lower Upper  
 101 100  
 103 64.0 52.6 78.8

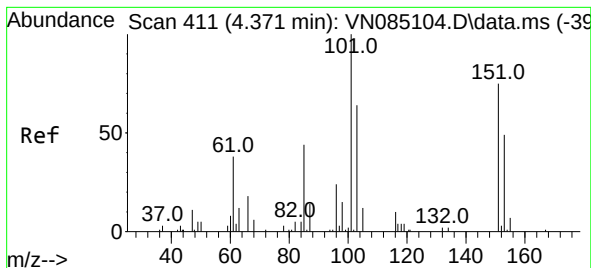


#8  
 Diethyl Ether  
 Concen: 56.265 ug/l  
 RT: 3.953 min Scan# 340  
 Delta R.T. 0.006 min  
 Lab File: VN085153.D  
 Acq: 09 Dec 2024 16:14

Tgt Ion: 74 Resp: 62482  
 Ion Ratio Lower Upper  
 74 100  
 45 91.8 46.7 140.1







#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.976 ug/l

RT: 4.365 min Scan# 411

Delta R.T. 0.012 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

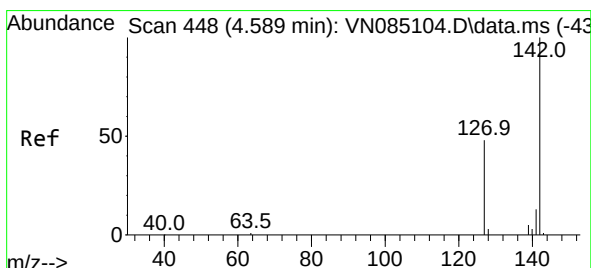
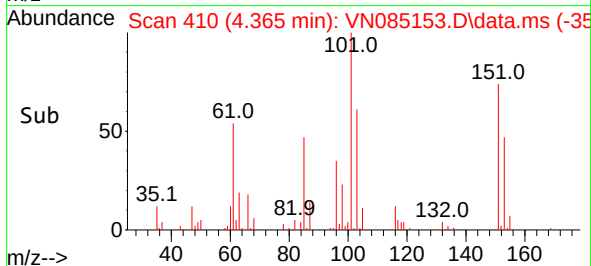
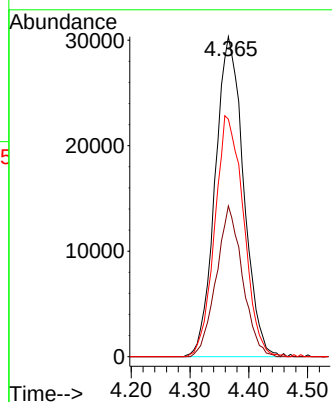
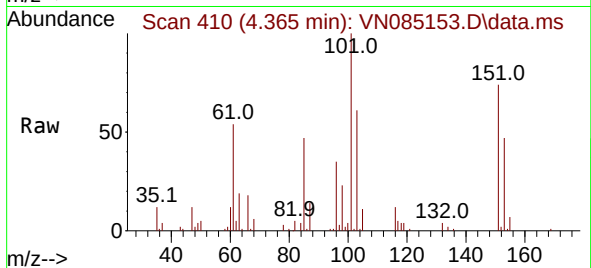
Tgt Ion:101 Resp: 101733

Ion Ratio Lower Upper

101 100

85 43.6 36.9 55.3

151 76.4 60.8 91.2



#10

Methyl Iodide

Concen: 48.159 ug/l

RT: 4.583 min Scan# 447

Delta R.T. 0.012 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

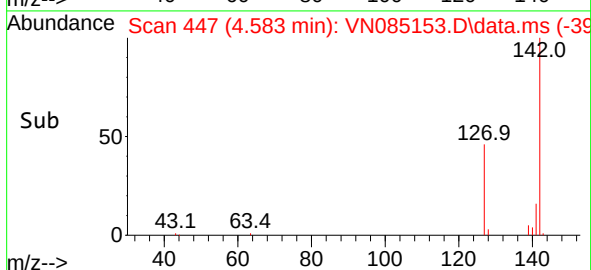
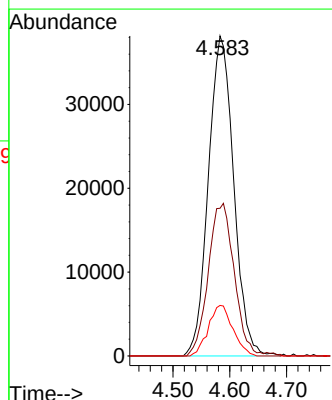
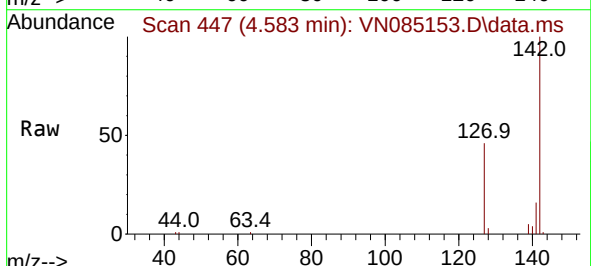
Tgt Ion:142 Resp: 117965

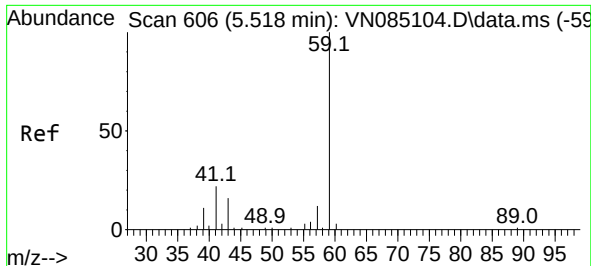
Ion Ratio Lower Upper

142 100

127 46.2 36.6 54.8

141 15.8 12.2 18.4

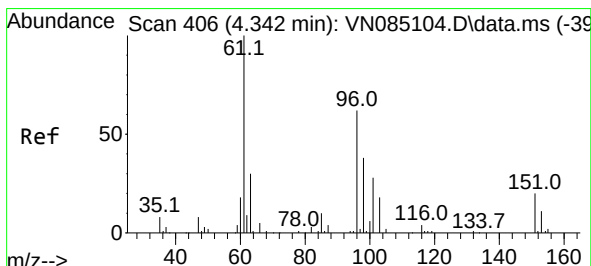
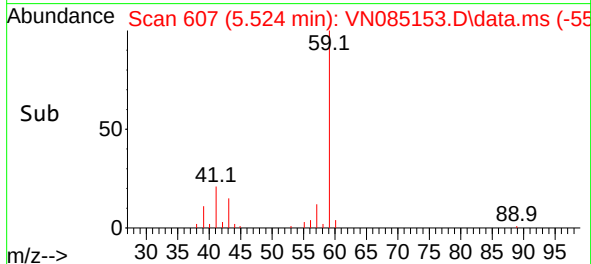
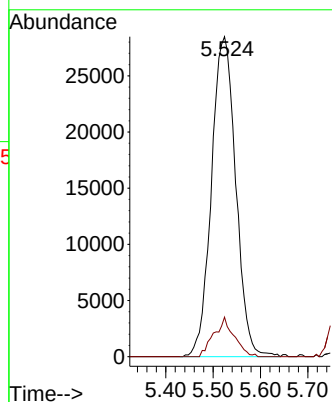
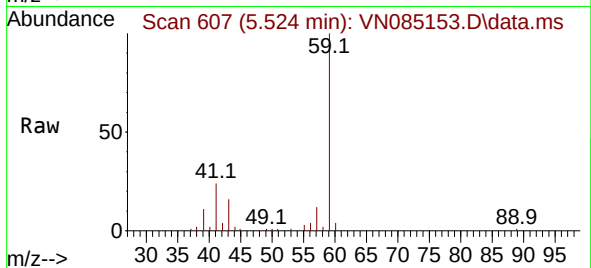




#11  
Tert butyl alcohol  
Concen: 328.103 ug/l  
RT: 5.524 min Scan# 606  
Delta R.T. -0.018 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

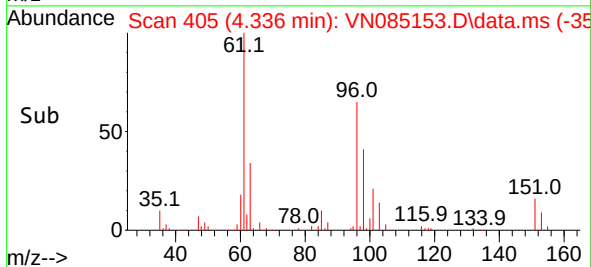
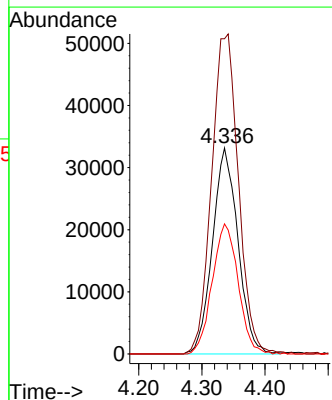
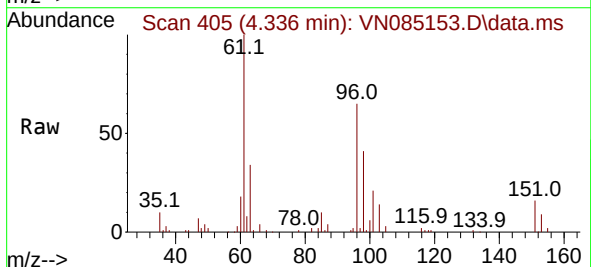
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

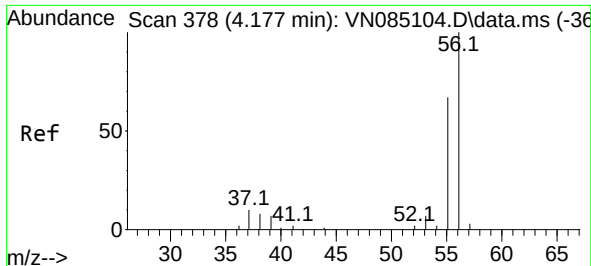
Tgt Ion: 59 Resp: 101635  
Ion Ratio Lower Upper  
59 100  
57 10.2 7.4 11.0



#12  
1,1-Dichloroethene  
Concen: 53.819 ug/l  
RT: 4.336 min Scan# 405  
Delta R.T. 0.017 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

Tgt Ion: 96 Resp: 92960  
Ion Ratio Lower Upper  
96 100  
61 153.1 127.8 191.8  
98 63.2 49.2 73.8

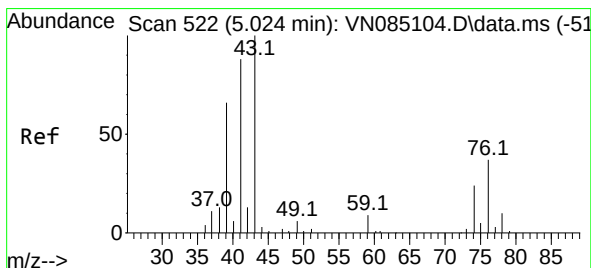
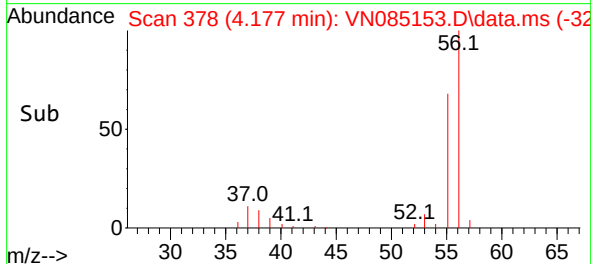
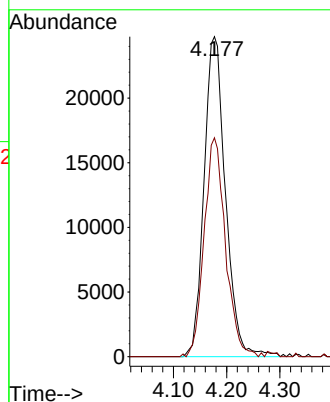
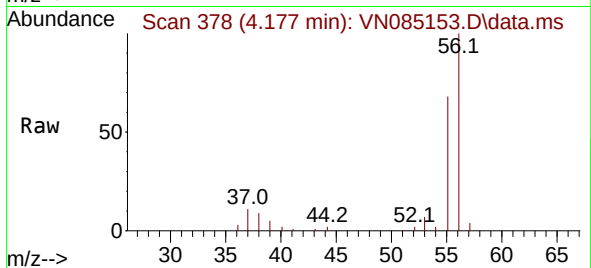




#13  
Acrolein  
Concen: 334.634 ug/l  
RT: 4.177 min Scan# 31  
Delta R.T. 0.012 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

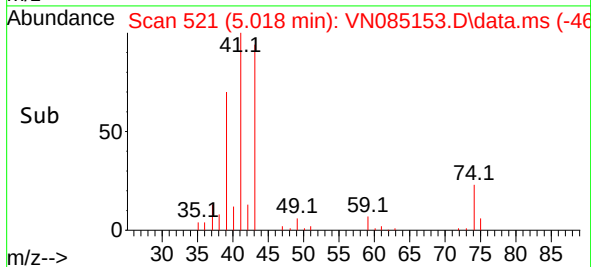
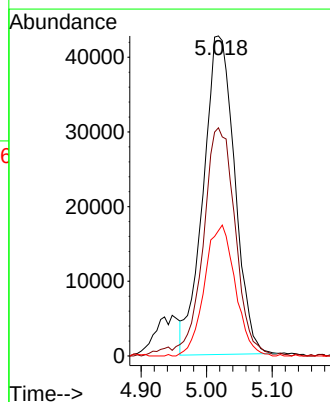
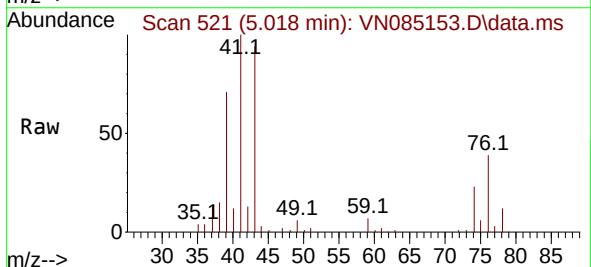
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

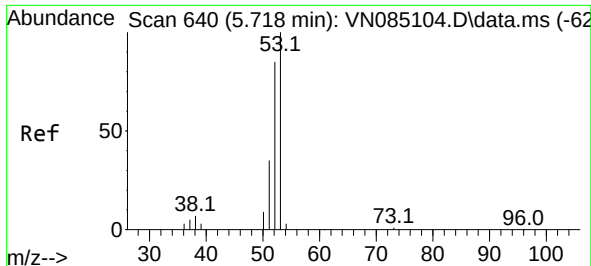
Tgt Ion: 56 Resp: 69168  
Ion Ratio Lower Upper  
56 100  
55 68.1 54.5 81.7



#14  
Allyl chloride  
Concen: 48.822 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. 0.012 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

Tgt Ion: 41 Resp: 142160  
Ion Ratio Lower Upper  
41 100  
39 73.9 53.8 80.8  
76 40.0 29.3 43.9

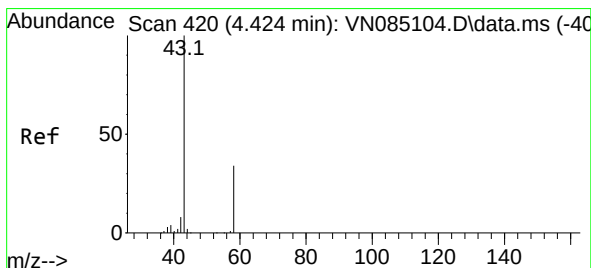
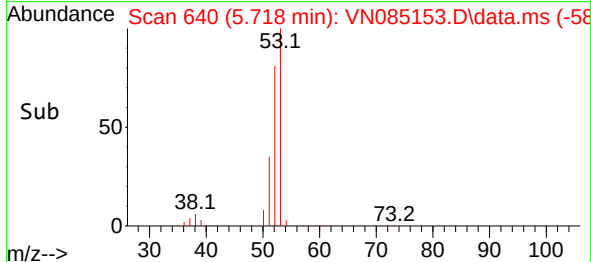
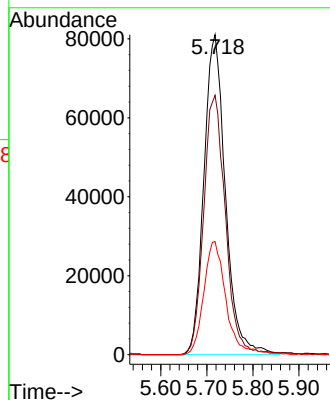
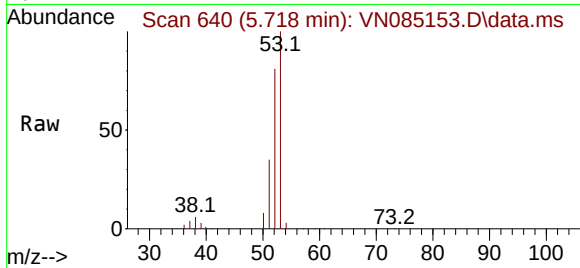




#15  
Acrylonitrile  
Concen: 300.877 ug/l  
RT: 5.718 min Scan# 640  
Delta R.T. 0.006 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

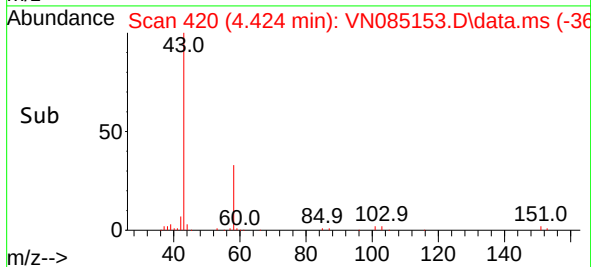
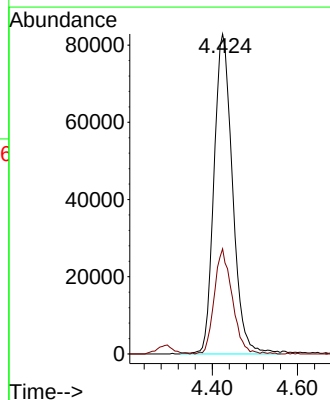
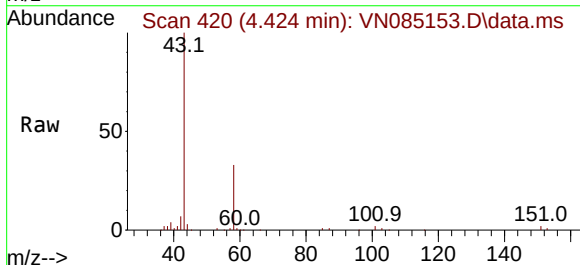
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

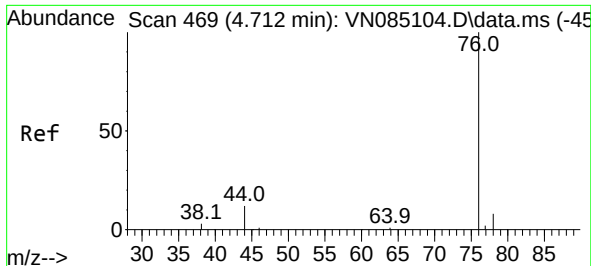
Tgt Ion: 53 Resp: 263867  
Ion Ratio Lower Upper  
53 100  
52 82.4 65.5 98.3  
51 36.3 28.4 42.6



#16  
Acetone  
Concen: 370.827 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. -0.000 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

Tgt Ion: 43 Resp: 250348  
Ion Ratio Lower Upper  
43 100  
58 32.9 25.4 38.2

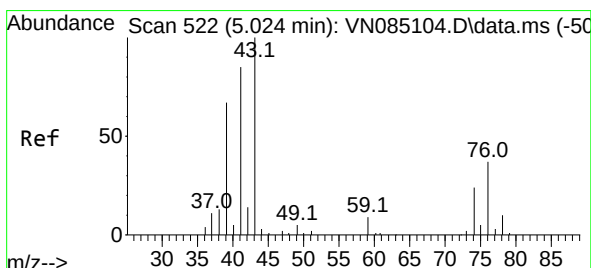
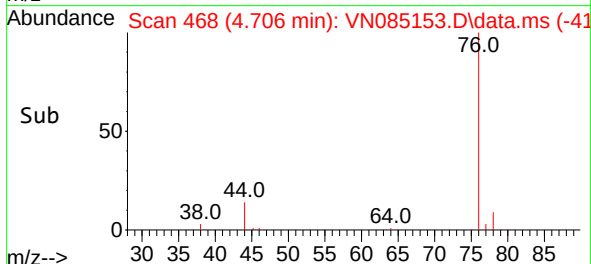
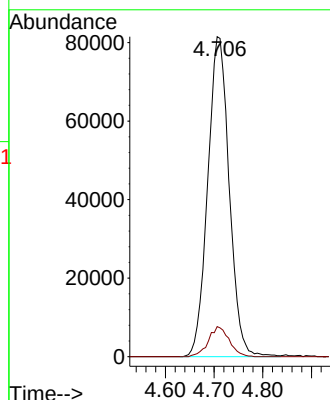
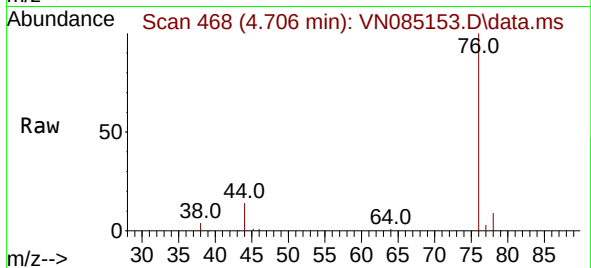




#17  
Carbon Disulfide  
Concen: 48.964 ug/l  
RT: 4.706 min Scan# 4  
Delta R.T. 0.012 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

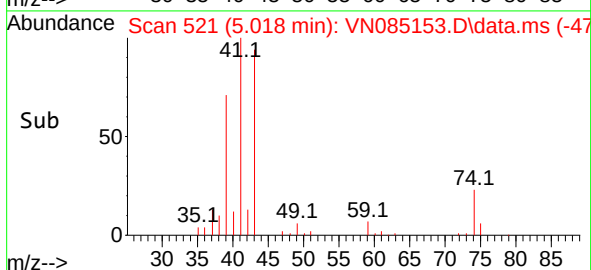
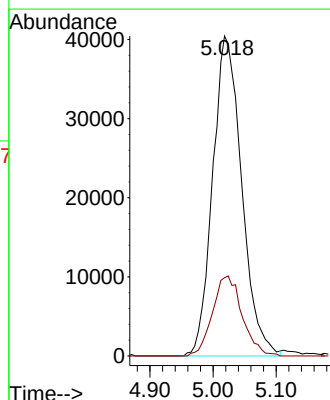
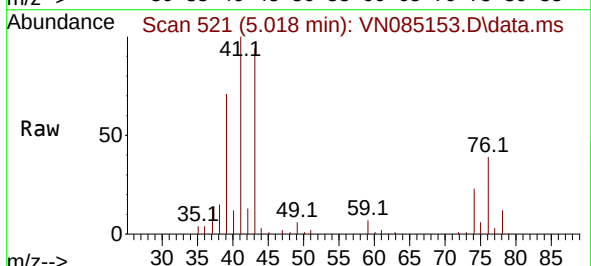
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

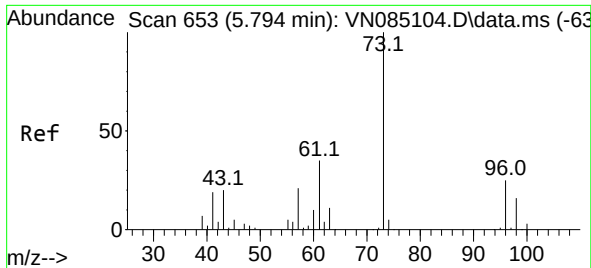
Tgt Ion: 76 Resp: 249632  
Ion Ratio Lower Upper  
76 100  
78 9.4 6.5 9.7



#18  
Methyl Acetate  
Concen: 60.073 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. -0.000 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

Tgt Ion: 43 Resp: 129127  
Ion Ratio Lower Upper  
43 100  
74 25.5 20.1 30.1

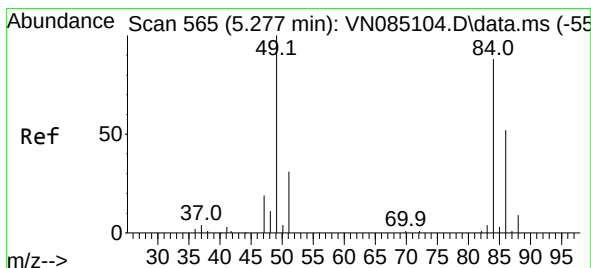
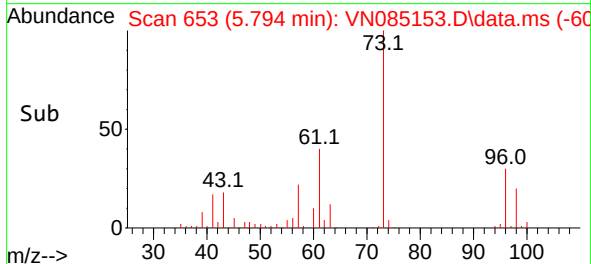
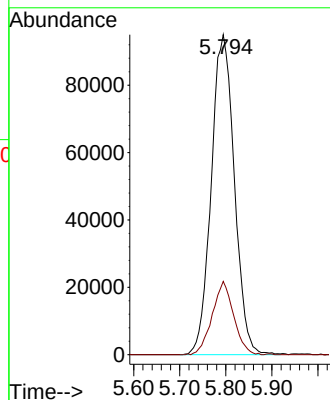
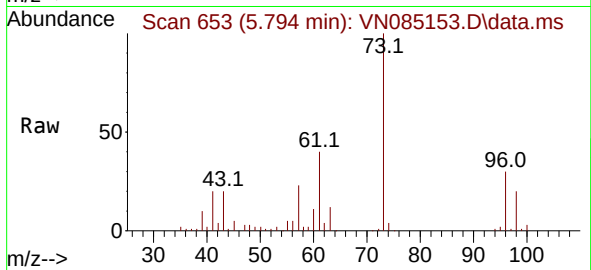




#19  
Methyl tert-butyl Ether  
Concen: 58.641 ug/l  
RT: 5.794 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

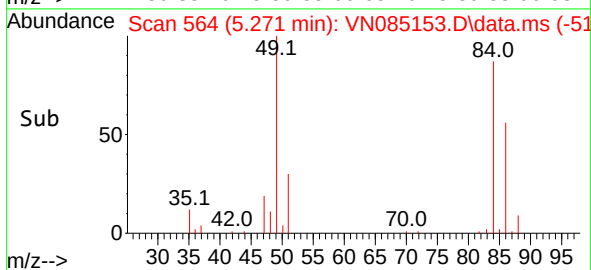
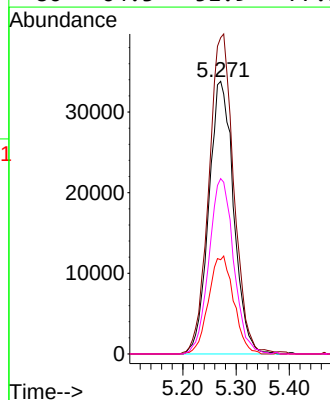
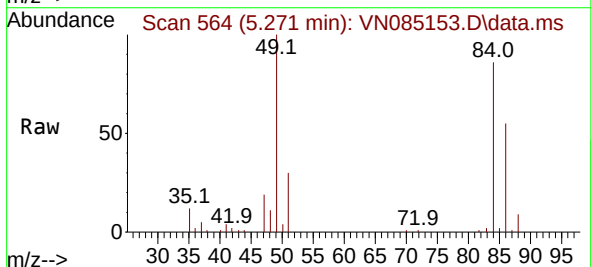
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

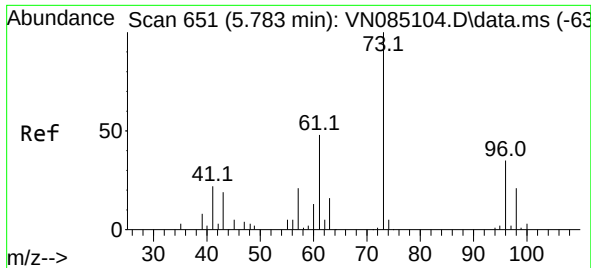
Tgt Ion: 73 Resp: 330945  
Ion Ratio Lower Upper  
73 100  
57 22.9 17.0 25.4



#20  
Methylene Chloride  
Concen: 53.113 ug/l  
RT: 5.271 min Scan# 564  
Delta R.T. 0.006 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

Tgt Ion: 84 Resp: 109418  
Ion Ratio Lower Upper  
84 100  
49 116.0 92.7 139.1  
51 34.6 29.4 44.2  
86 64.3 51.9 77.9

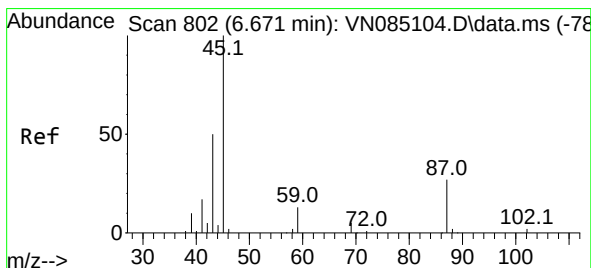
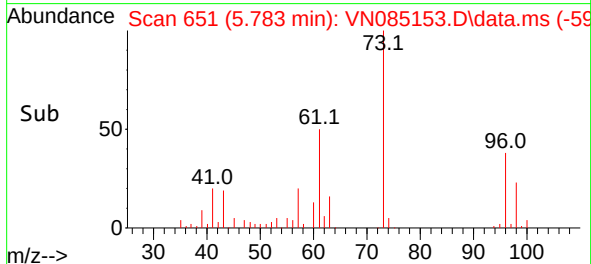
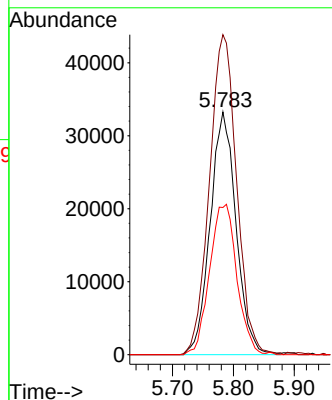
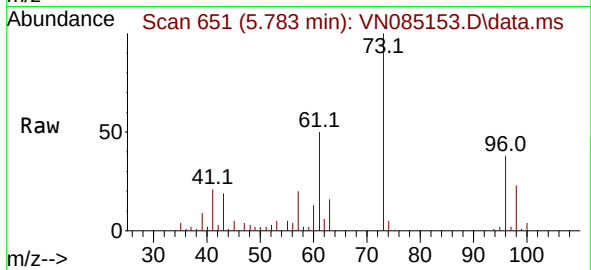




#21  
trans-1,2-Dichloroethene  
Concen: 54.029 ug/l  
RT: 5.783 min Scan# 611  
Delta R.T. 0.012 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

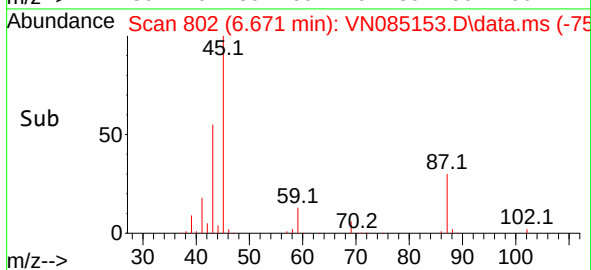
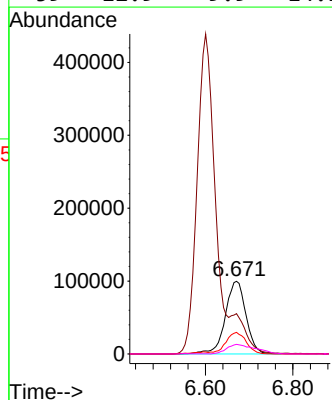
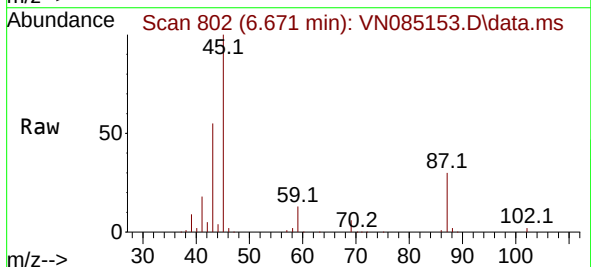
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

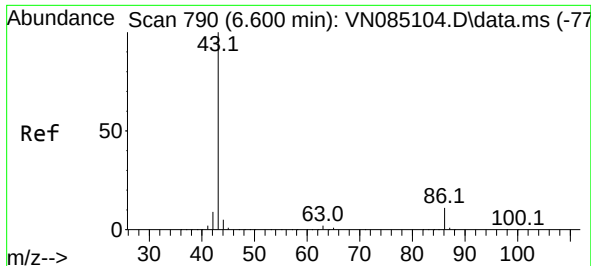
Tgt Ion: 96 Resp: 98207  
Ion Ratio Lower Upper  
96 100  
61 131.8 100.7 151.1  
98 60.6 45.8 68.6



#22  
Diisopropyl ether  
Concen: 55.815 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. 0.006 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

Tgt Ion: 45 Resp: 327105  
Ion Ratio Lower Upper  
45 100  
43 54.5 42.7 64.1  
87 29.5 22.6 34.0  
59 12.9 9.9 14.9

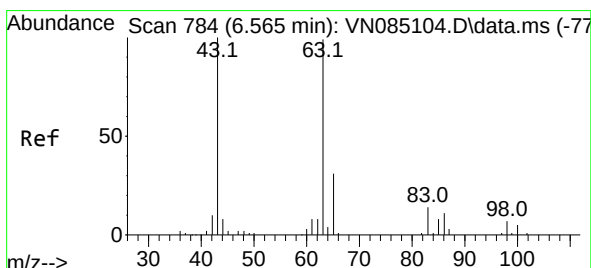
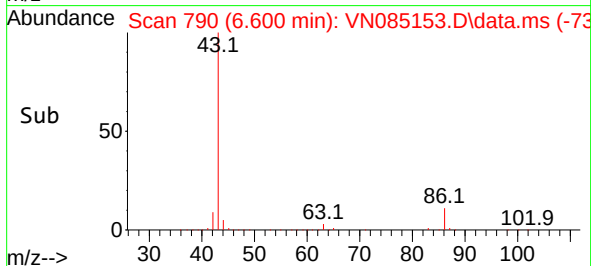
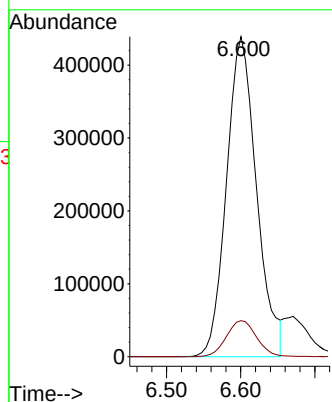
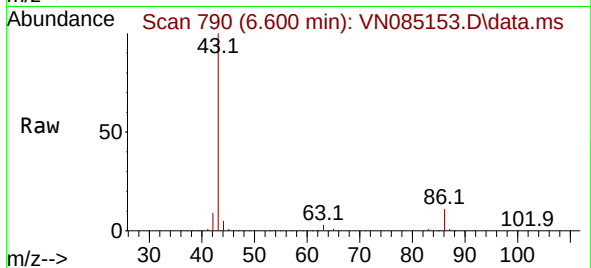




#23  
 Vinyl Acetate  
 Concen: 305.508 ug/l  
 RT: 6.600 min Scan# 790  
 Delta R.T. 0.006 min  
 Lab File: VN085153.D  
 Acq: 09 Dec 2024 16:14

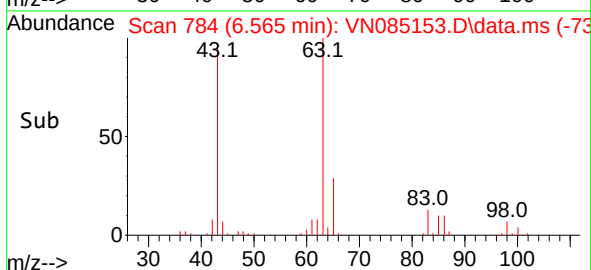
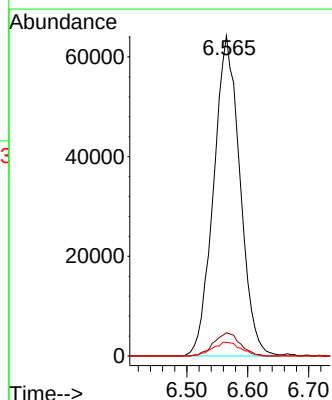
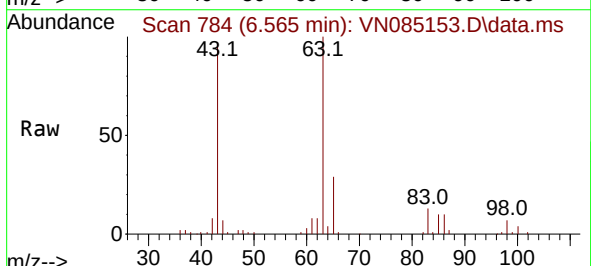
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 43 Resp: 1235181  
 Ion Ratio Lower Upper  
 43 100  
 86 11.2 8.9 13.3

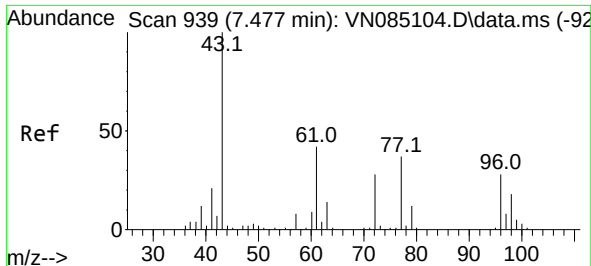


#24  
 1,1-Dichloroethane  
 Concen: 54.999 ug/l  
 RT: 6.565 min Scan# 784  
 Delta R.T. 0.012 min  
 Lab File: VN085153.D  
 Acq: 09 Dec 2024 16:14

Tgt Ion: 63 Resp: 192887  
 Ion Ratio Lower Upper  
 63 100  
 98 7.2 3.3 9.8  
 100 4.3 2.2 6.6







#25

2-Butanone

Concen: 322.655 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA\_N

ClientSampleId :

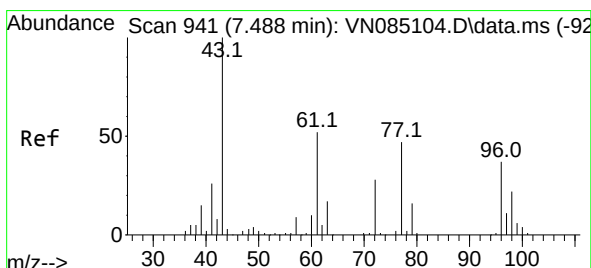
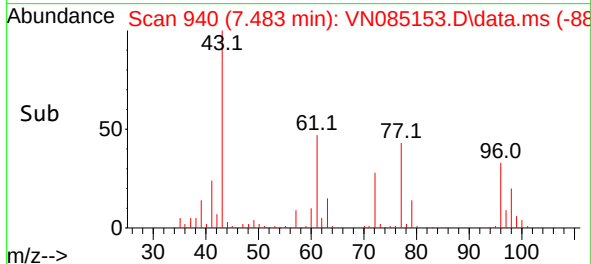
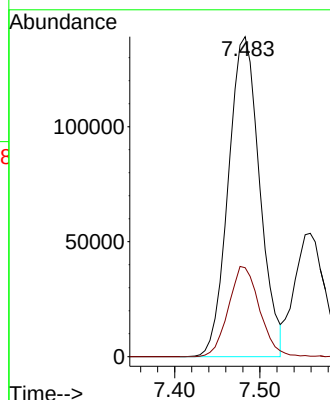
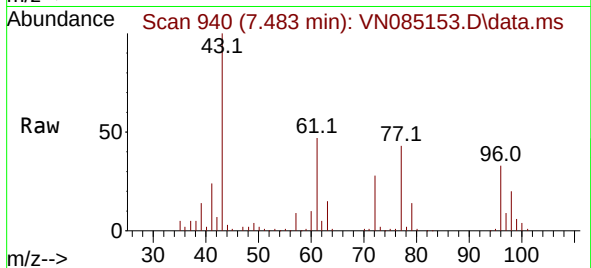
VSTDCCC050EC

Tgt Ion: 43 Resp: 356129

Ion Ratio Lower Upper

43 100

72 27.8 21.4 32.0



#26

2,2-Dichloropropane

Concen: 54.775 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.012 min

Lab File: VN085153.D

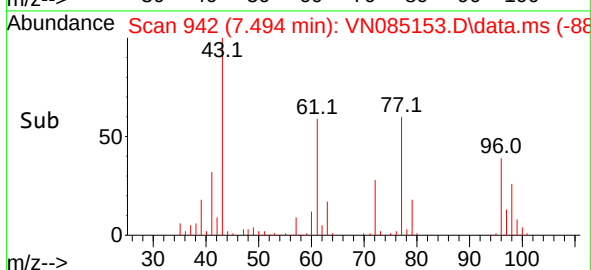
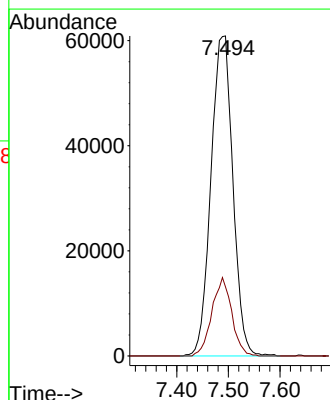
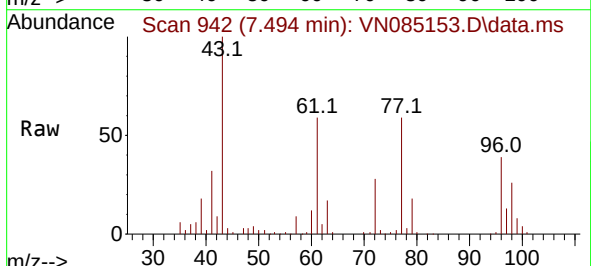
Acq: 09 Dec 2024 16:14

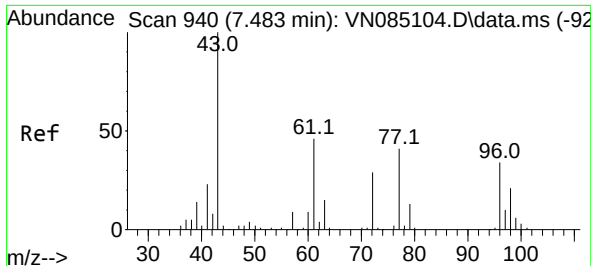
Tgt Ion: 77 Resp: 179376

Ion Ratio Lower Upper

77 100

97 22.2 10.9 32.7

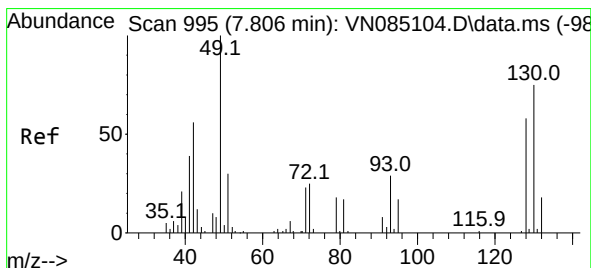
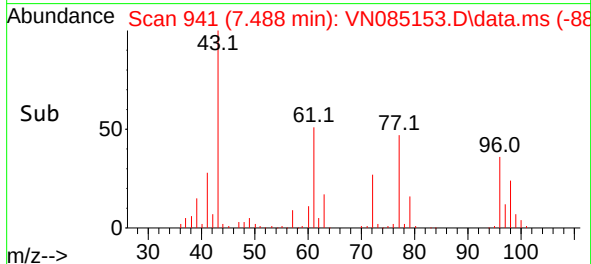
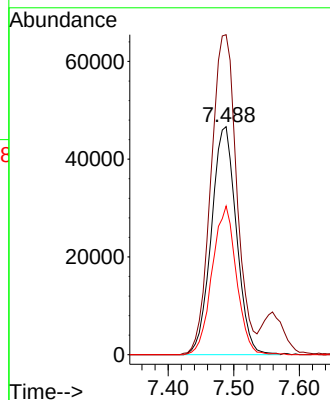
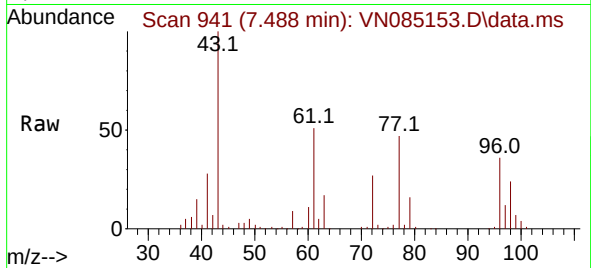




#27  
 cis-1,2-Dichloroethene  
 Concen: 56.300 ug/l  
 RT: 7.488 min Scan# 941  
 Delta R.T. 0.012 min  
 Lab File: VN085153.D  
 Acq: 09 Dec 2024 16:14

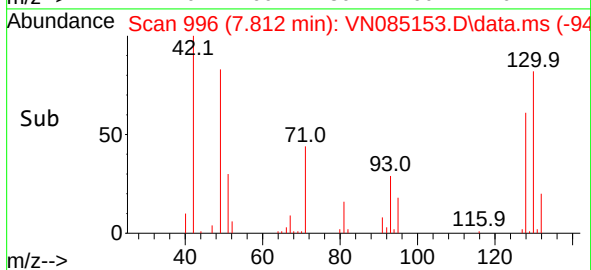
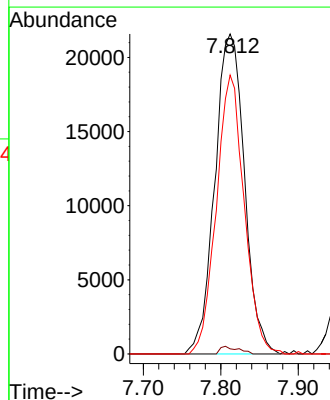
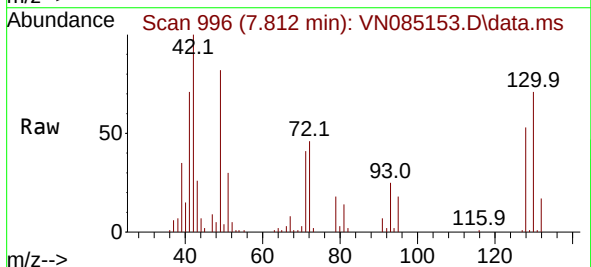
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

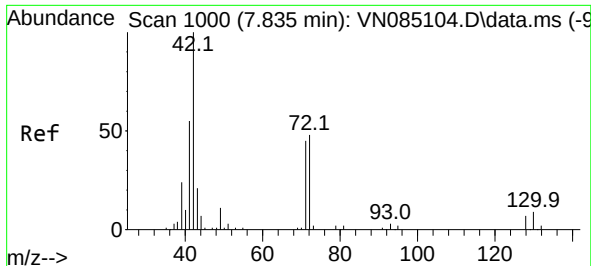
Tgt Ion: 96 Resp: 123370  
 Ion Ratio Lower Upper  
 96 100  
 61 145.1 0.0 291.6  
 98 63.3 0.0 129.8



#28  
 Bromochloromethane  
 Concen: 43.360 ug/l  
 RT: 7.812 min Scan# 996  
 Delta R.T. 0.006 min  
 Lab File: VN085153.D  
 Acq: 09 Dec 2024 16:14

Tgt Ion: 49 Resp: 57402  
 Ion Ratio Lower Upper  
 49 100  
 129 1.4 0.0 4.0  
 130 81.7 60.6 90.8





#29

Tetrahydrofuran

Concen: 325.304 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

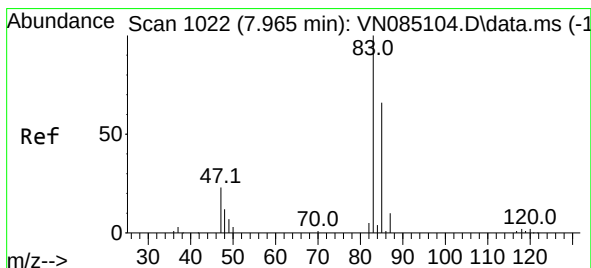
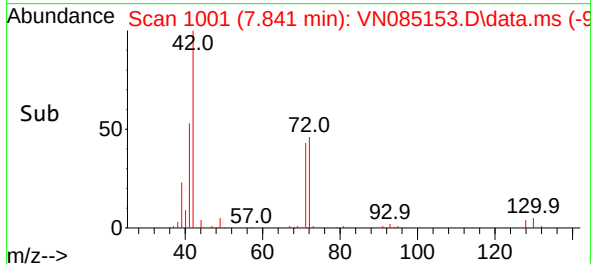
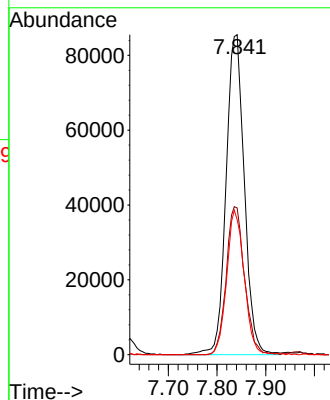
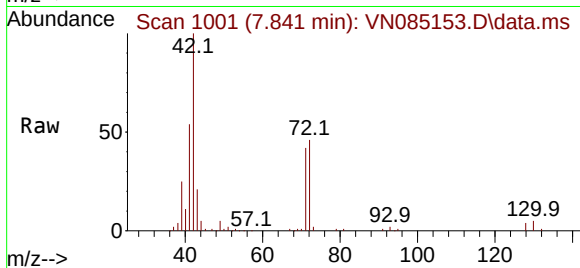
Tgt Ion: 42 Resp: 223283

Ion Ratio Lower Upper

42 100

72 46.2 37.0 55.4

71 43.1 35.0 52.4



#30

Chloroform

Concen: 55.353 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN085153.D

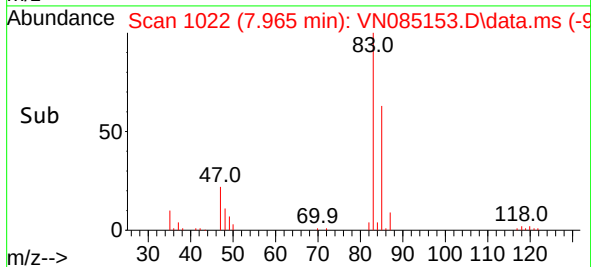
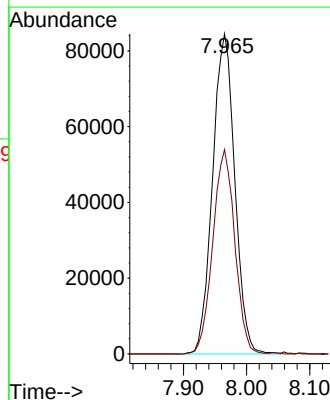
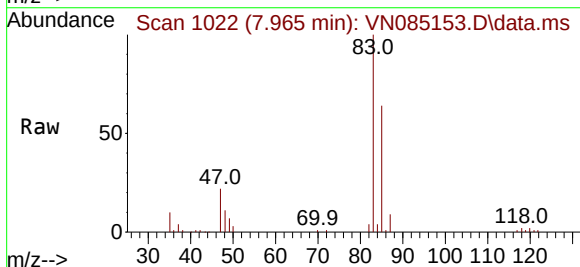
Acq: 09 Dec 2024 16:14

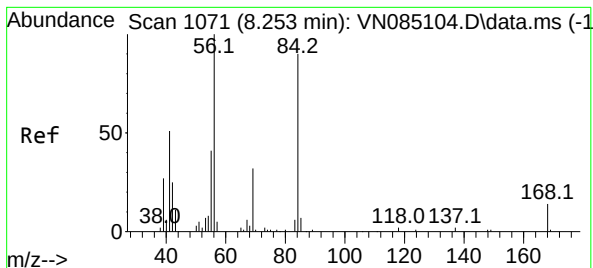
Tgt Ion: 83 Resp: 206502

Ion Ratio Lower Upper

83 100

85 63.8 52.6 78.8





#31

Cyclohexane

Concen: 50.369 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

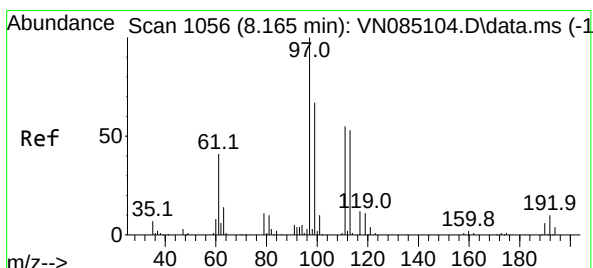
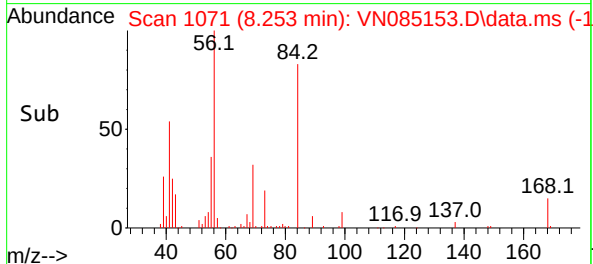
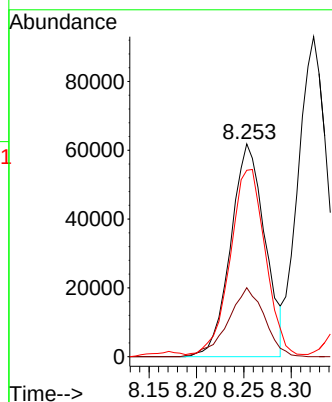
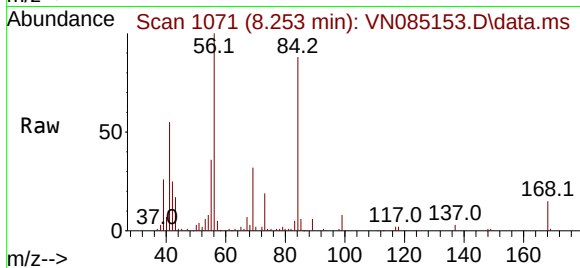
Tgt Ion: 56 Resp: 155530

Ion Ratio Lower Upper

56 100

69 32.4 24.6 36.8

84 85.9 71.4 107.2



#32

1,1,1-Trichloroethane

Concen: 55.230 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

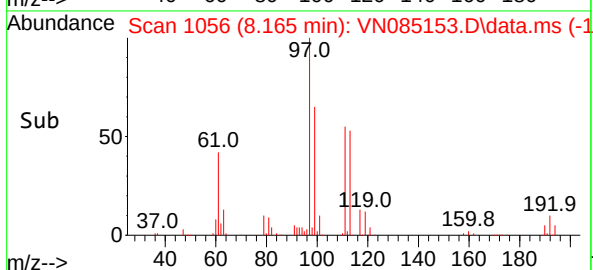
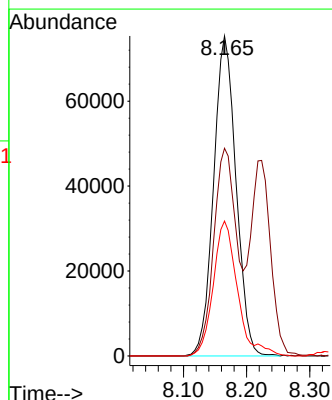
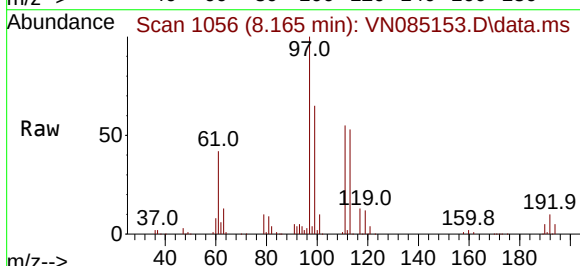
Tgt Ion: 97 Resp: 186189

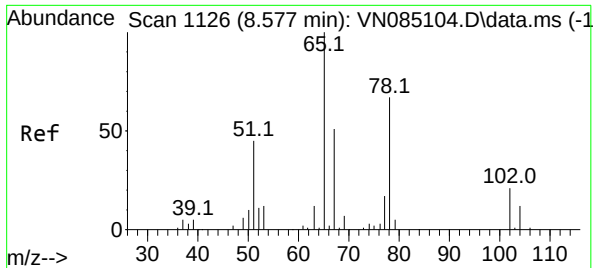
Ion Ratio Lower Upper

97 100

99 65.9 51.0 76.4

61 45.4 36.2 54.2

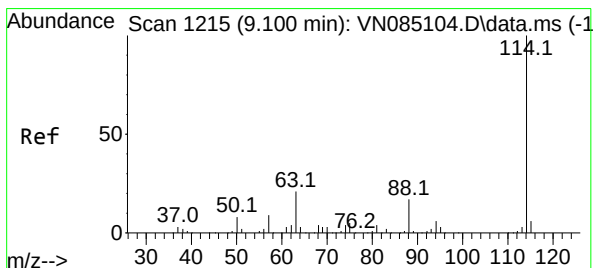
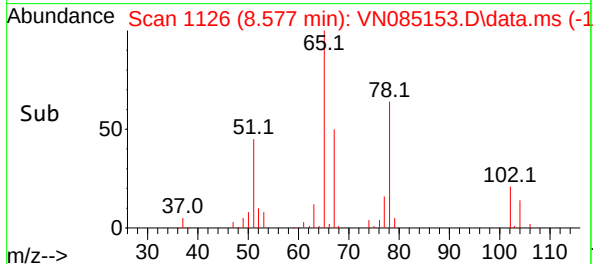
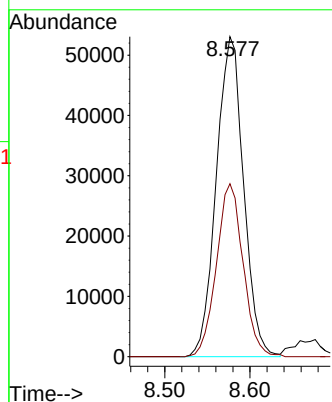
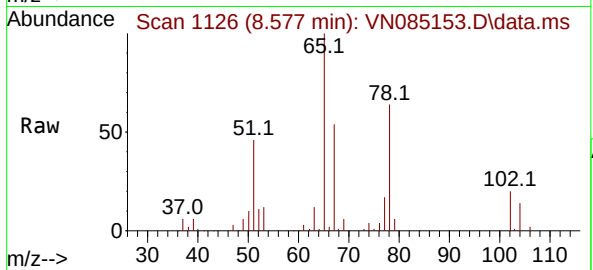




#33  
1,2-Dichloroethane-d4  
Concen: 51.000 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

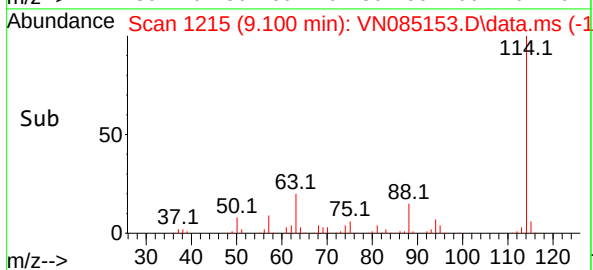
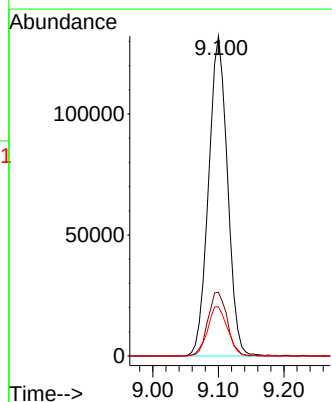
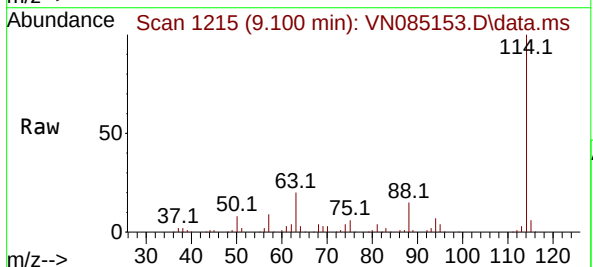
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

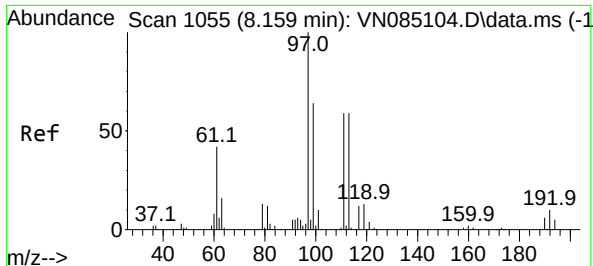
Tgt Ion: 65 Resp: 118220  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 105.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 1215  
Delta R.T. 0.006 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

Tgt Ion: 114 Resp: 265150  
Ion Ratio Lower Upper  
114 100  
63 19.9 0.0 41.0  
88 15.4 0.0 34.8





#35

Dibromofluoromethane

Concen: 53.613 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

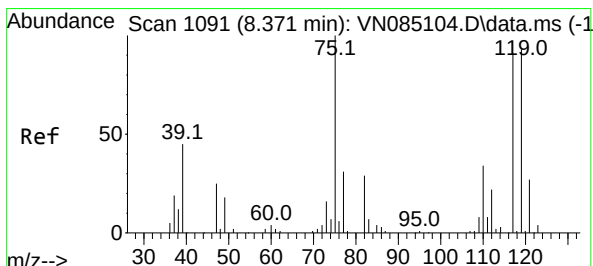
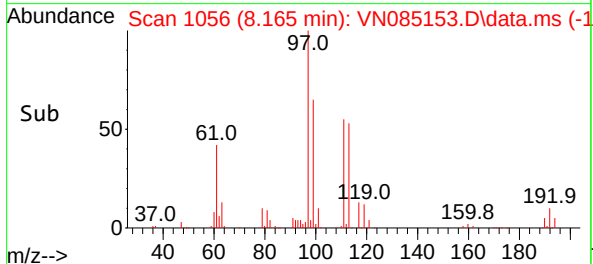
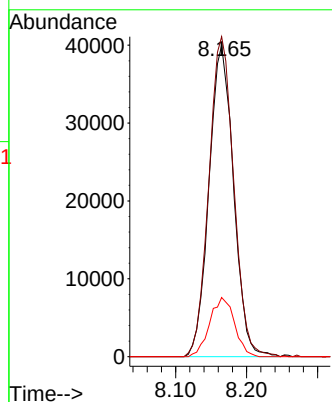
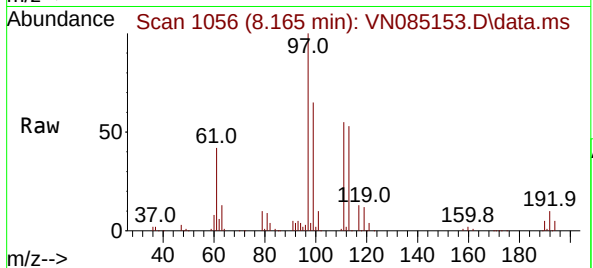
Tgt Ion:113 Resp: 95864

Ion Ratio Lower Upper

113 100

111 104.0 82.0 123.0

192 19.2 14.8 22.2



#36

1,1-Dichloropropene

Concen: 57.518 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

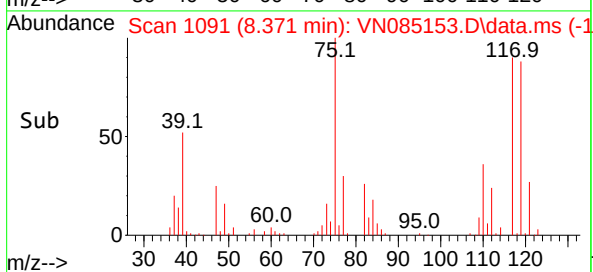
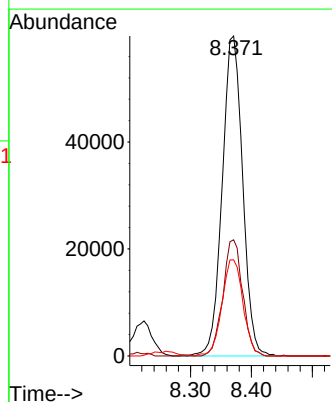
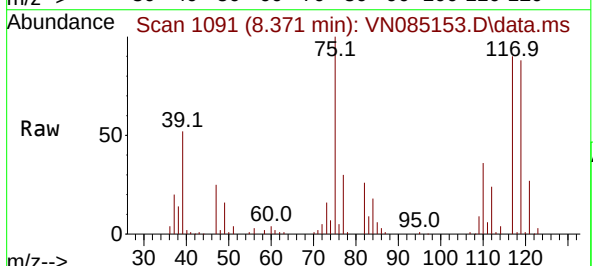
Tgt Ion: 75 Resp: 139304

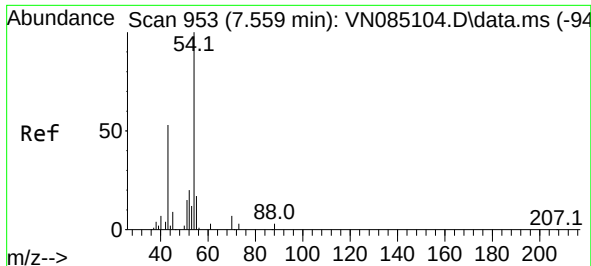
Ion Ratio Lower Upper

75 100

110 35.1 17.2 51.6

77 31.0 24.2 36.4





#37

Ethyl Acetate

Concen: 62.778 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

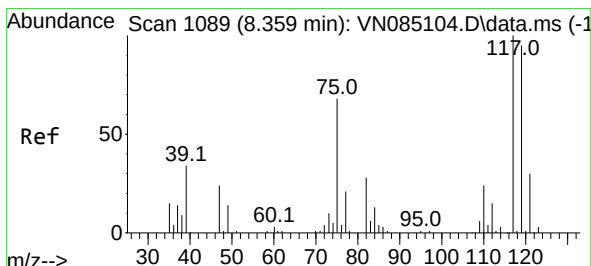
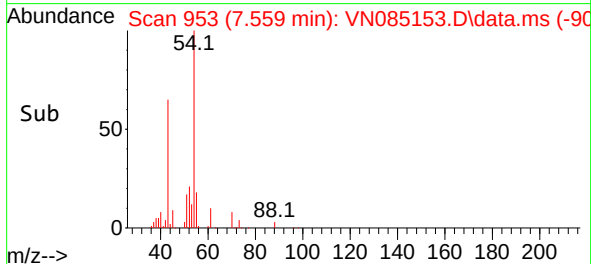
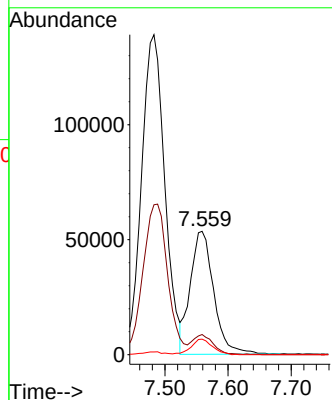
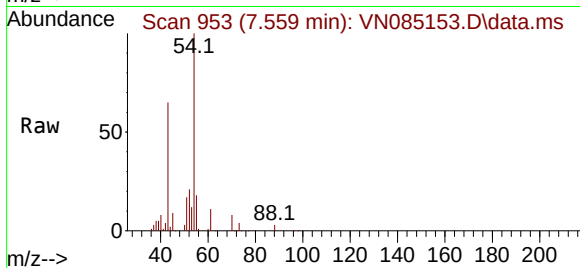
Tgt Ion: 43 Resp: 138225

Ion Ratio Lower Upper

43 100

61 13.9 11.7 17.5

70 11.5 9.3 13.9



#38

Carbon Tetrachloride

Concen: 59.696 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

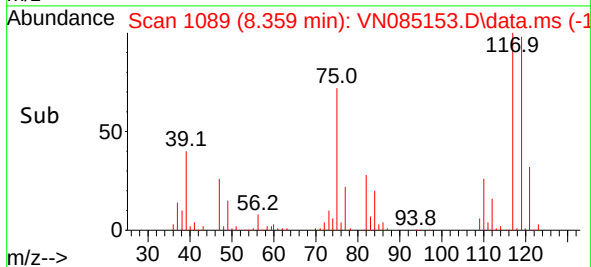
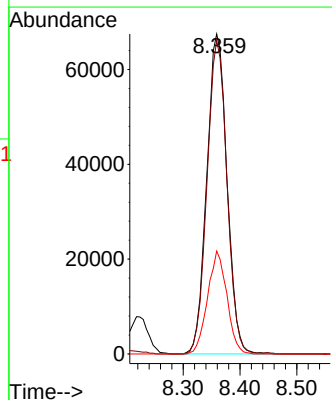
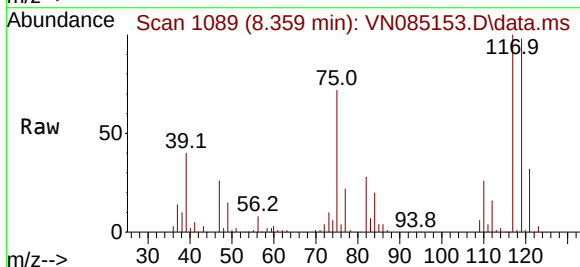
Tgt Ion: 117 Resp: 166889

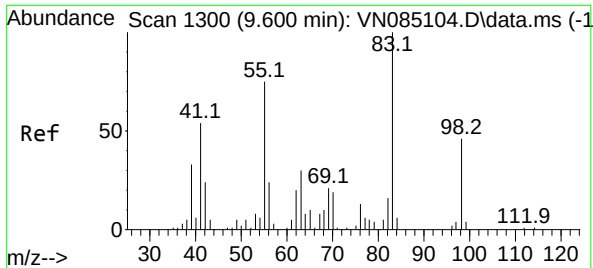
Ion Ratio Lower Upper

117 100

119 98.0 78.6 117.8

121 32.2 24.2 36.2





#39

Methylcyclohexane

Concen: 60.980 ug/l

RT: 9.600 min Scan# 11300

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

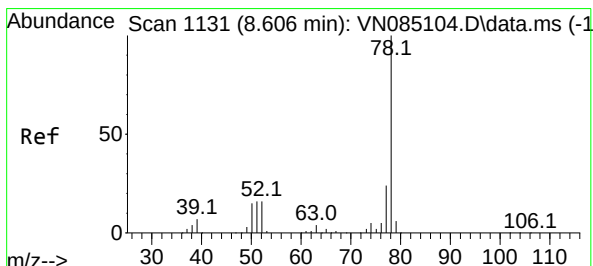
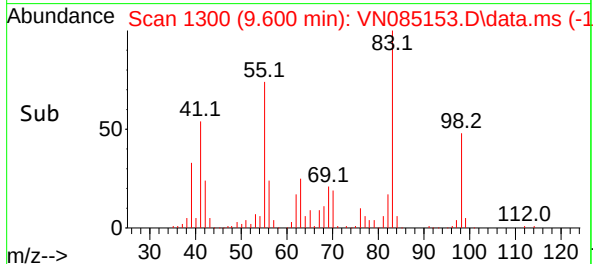
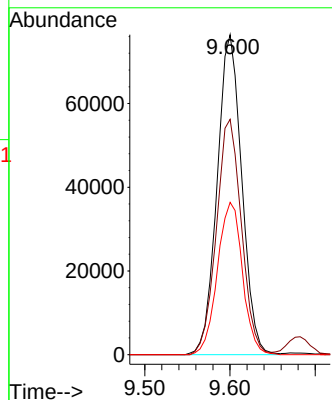
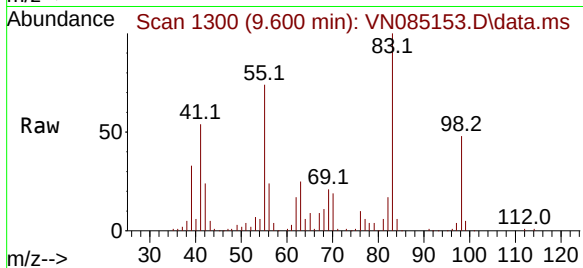
Tgt Ion: 83 Resp: 153471

Ion Ratio Lower Upper

83 100

55 73.6 61.8 92.6

98 47.6 37.0 55.6



#40

Benzene

Concen: 55.734 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN085153.D

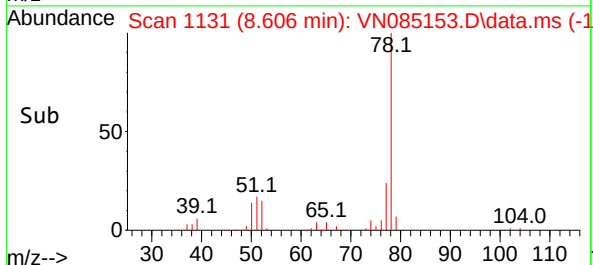
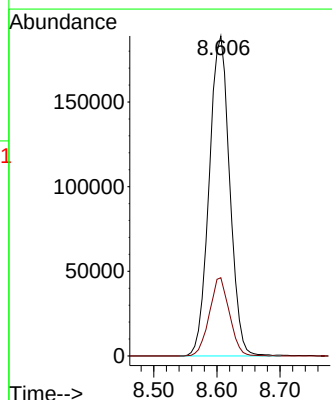
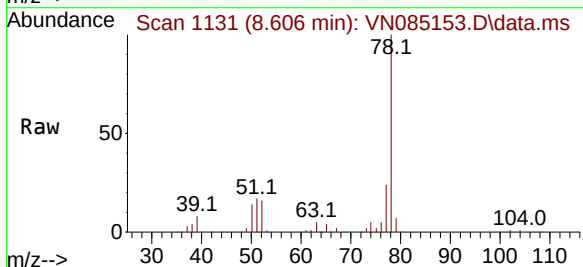
Acq: 09 Dec 2024 16:14

Tgt Ion: 78 Resp: 426932

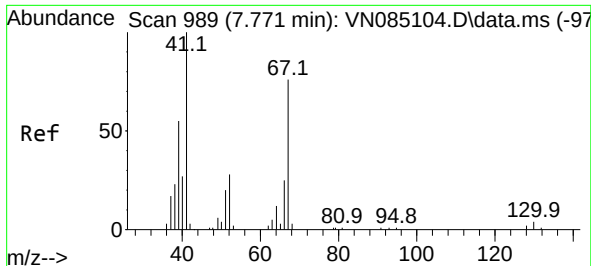
Ion Ratio Lower Upper

78 100

77 24.4 18.5 27.7





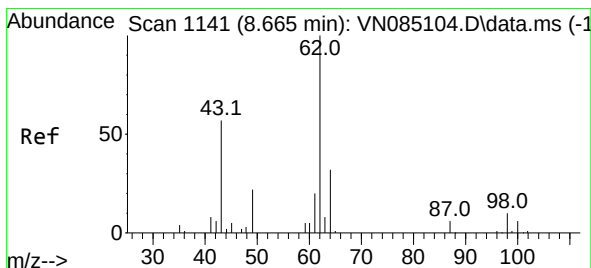
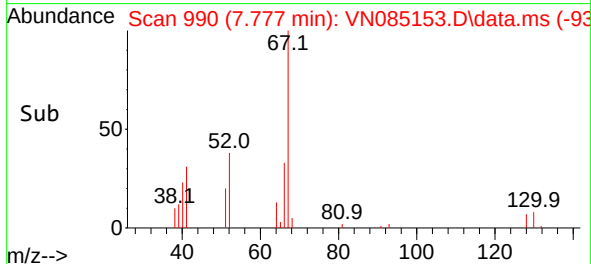
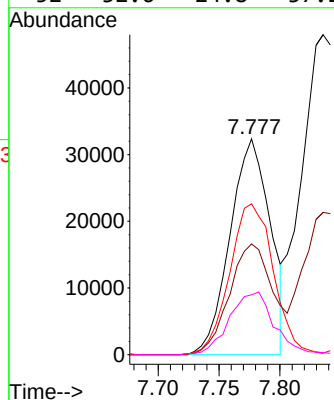
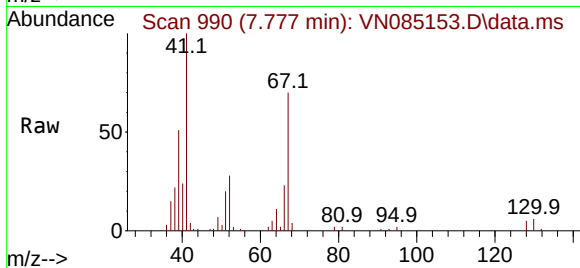


#41  
Methacrylonitrile  
Concen: 60.938 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 41 Resp: 74288

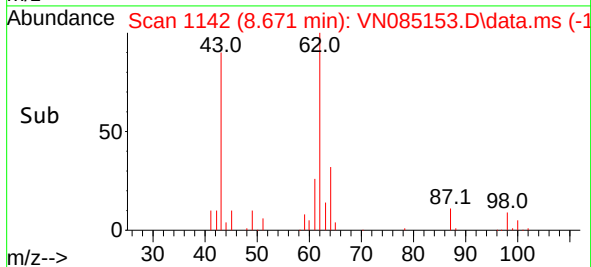
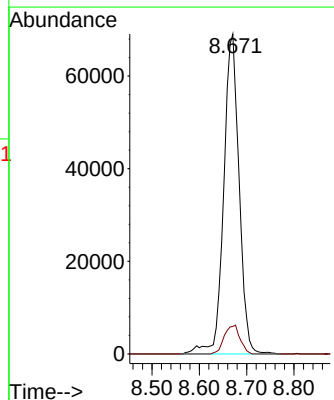
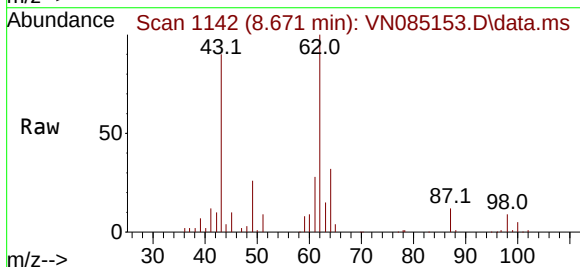
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 56.4  | 42.6  | 63.8  |
| 67  | 76.1  | 59.9  | 89.9  |
| 52  | 32.6  | 24.8  | 37.2  |

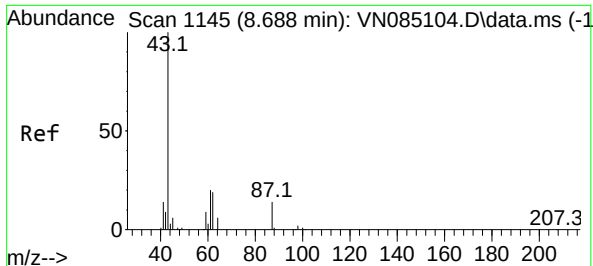


#42  
1,2-Dichloroethane  
Concen: 59.637 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. 0.006 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

Tgt Ion: 62 Resp: 156285

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 9.2   | 0.0   | 18.2  |

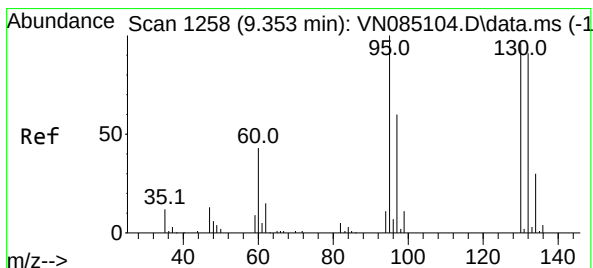
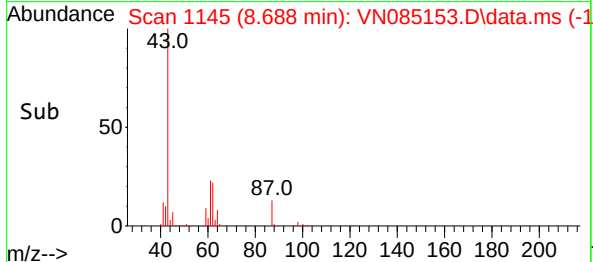
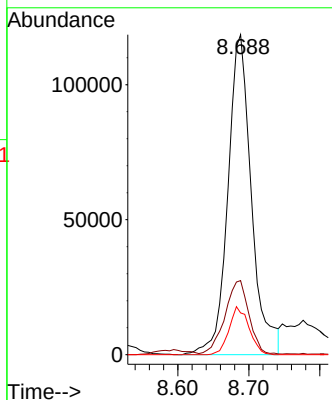
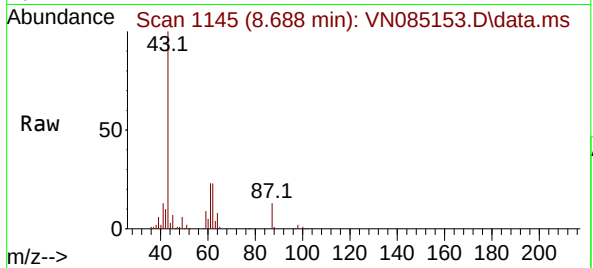




#43  
Isopropyl Acetate  
Concen: 59.842 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.006 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

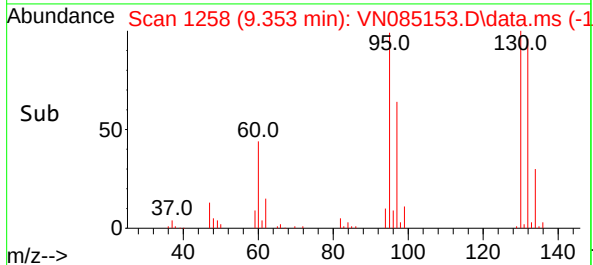
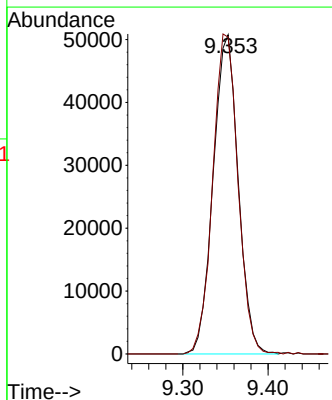
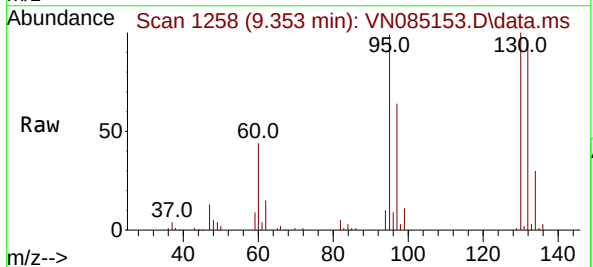
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

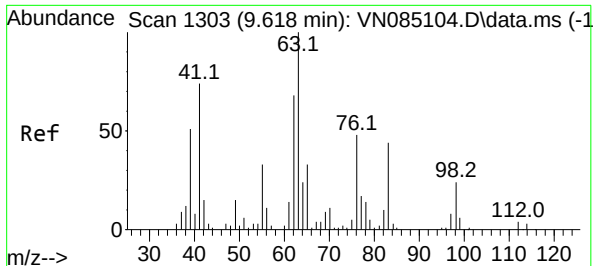
Tgt Ion: 43 Resp: 273688  
Ion Ratio Lower Upper  
43 100  
61 23.4 20.6 30.8  
87 12.7 11.0 16.4



#44  
Trichloroethene  
Concen: 58.195 ug/l  
RT: 9.353 min Scan# 1258  
Delta R.T. 0.006 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

Tgt Ion:130 Resp: 103598  
Ion Ratio Lower Upper  
130 100  
95 99.3 0.0 213.4





#45

1,2-Dichloropropane

Concen: 57.347 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA\_N

ClientSampleId :

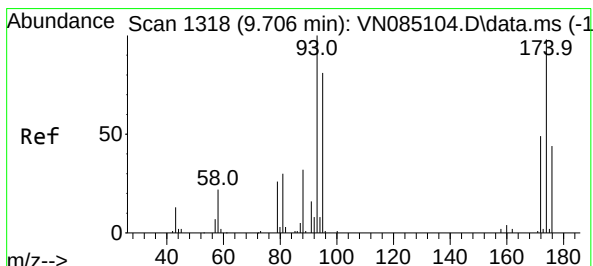
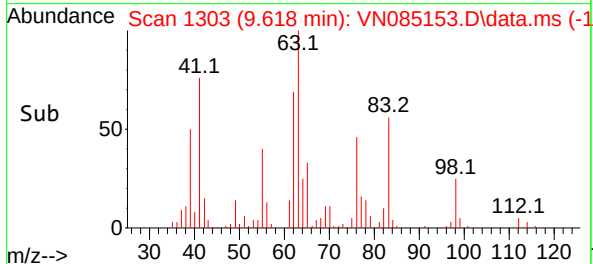
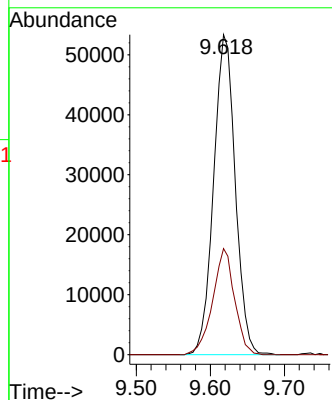
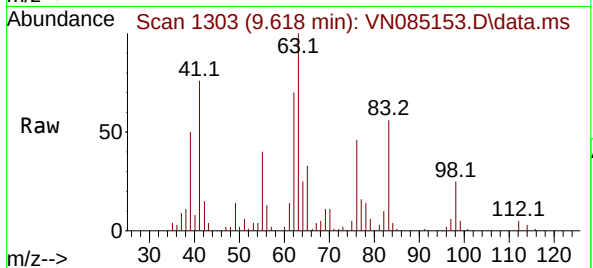
VSTDCCC050EC

Tgt Ion: 63 Resp: 108197

Ion Ratio Lower Upper

63 100

65 33.2 24.0 36.0



#46

Dibromomethane

Concen: 59.757 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

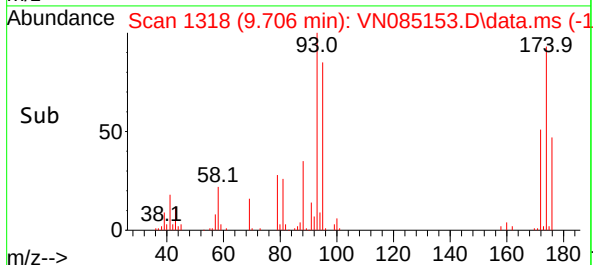
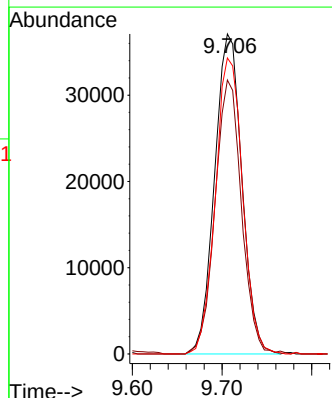
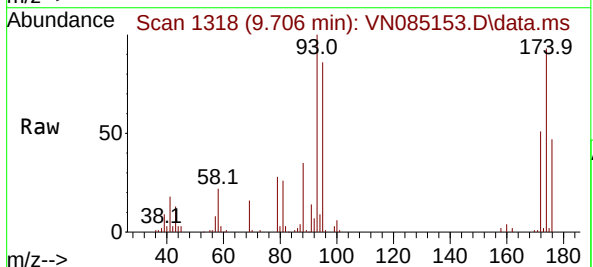
Tgt Ion: 93 Resp: 78342

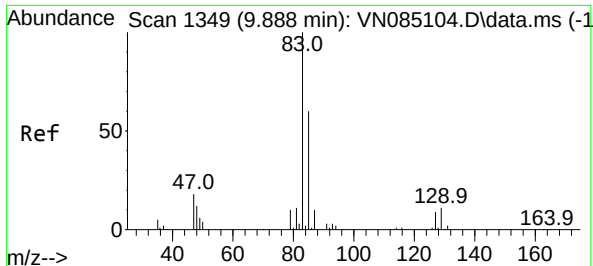
Ion Ratio Lower Upper

93 100

95 83.0 66.2 99.4

174 92.3 74.9 112.3

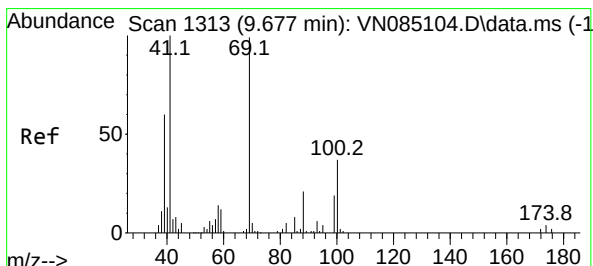
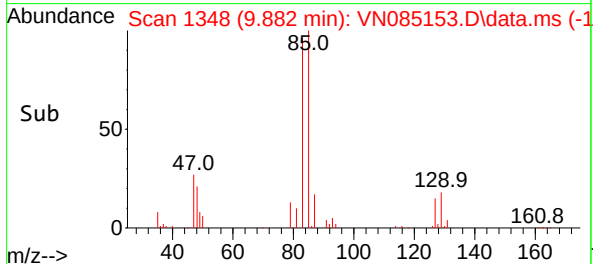
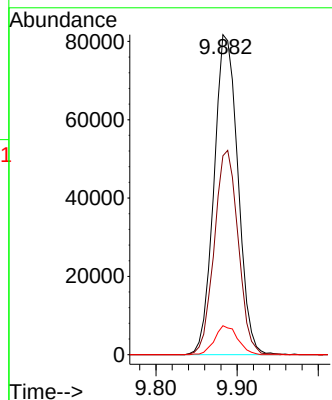
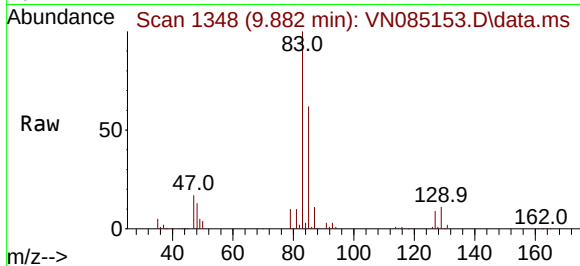




#47  
Bromodichloromethane  
Concen: 60.258 ug/l  
RT: 9.882 min Scan# 1349  
Delta R.T. -0.000 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

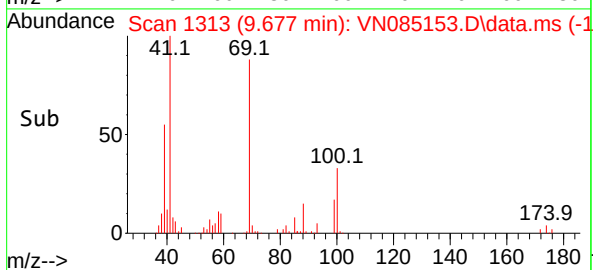
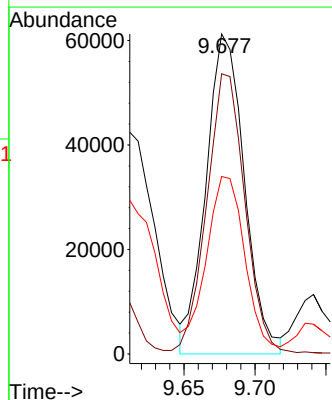
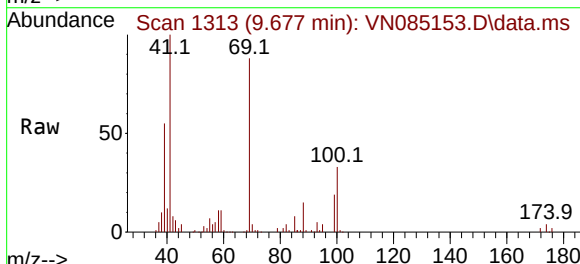
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

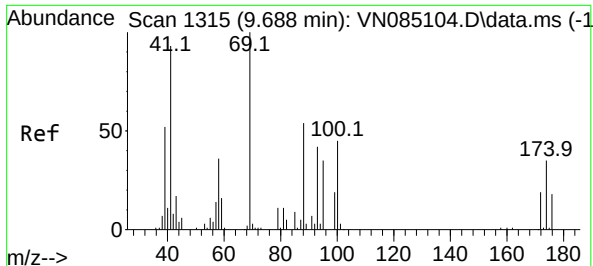
Tgt Ion: 83 Resp: 167432  
Ion Ratio Lower Upper  
83 100  
85 62.2 50.5 75.7  
127 9.0 7.1 10.7



#48  
Methyl methacrylate  
Concen: 67.720 ug/l  
RT: 9.677 min Scan# 1313  
Delta R.T. -0.000 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

Tgt Ion: 41 Resp: 115253  
Ion Ratio Lower Upper  
41 100  
69 87.7 73.2 109.8  
39 56.4 46.2 69.4





#49

1,4-Dioxane

Concen: 1457.126 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

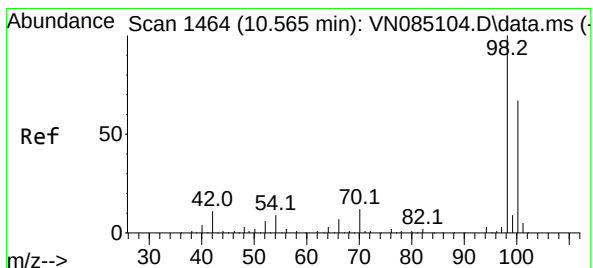
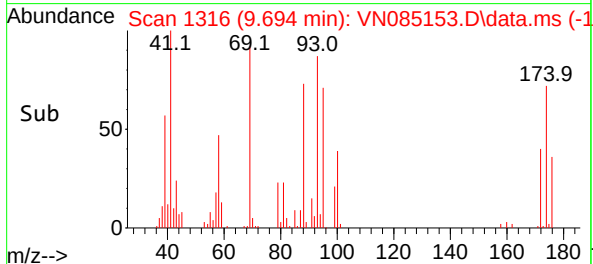
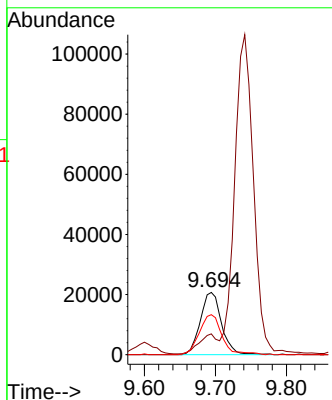
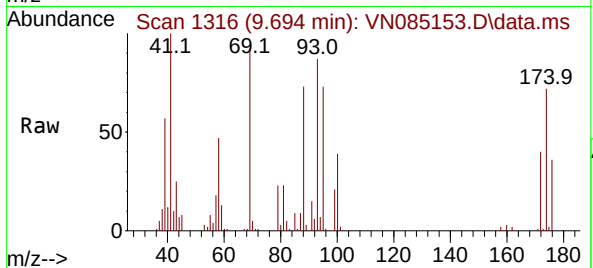
Tgt Ion: 88 Resp: 43006

Ion Ratio Lower Upper

88 100

43 28.5 16.7 25.1#

58 68.4 56.5 84.7



#50

Toluene-d8

Concen: 53.987 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085153.D

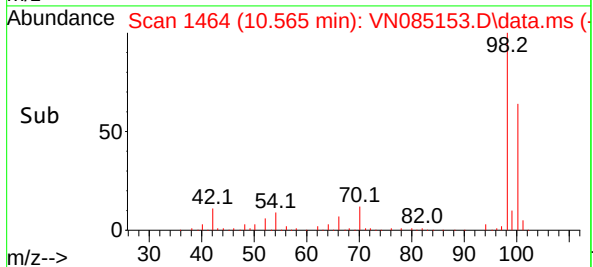
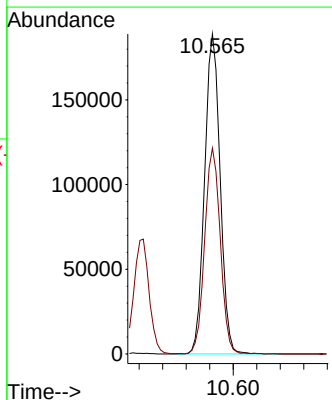
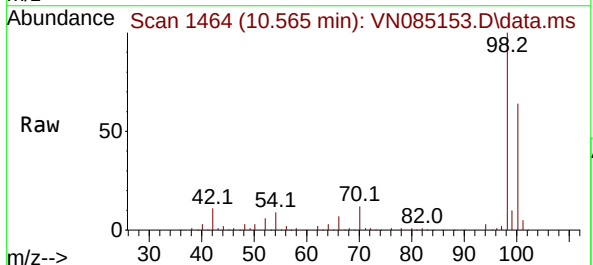
Acq: 09 Dec 2024 16:14

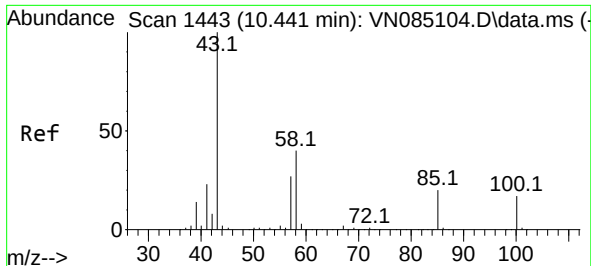
Tgt Ion: 98 Resp: 345955

Ion Ratio Lower Upper

98 100

100 64.7 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 347.299 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA\_N

ClientSampleId :

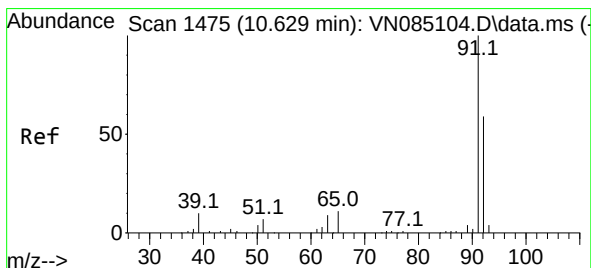
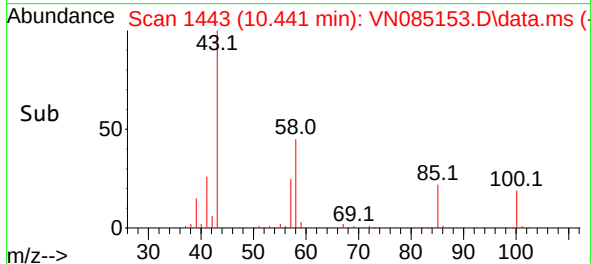
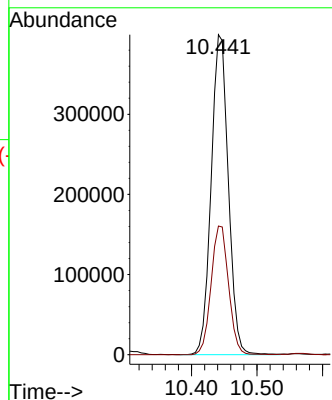
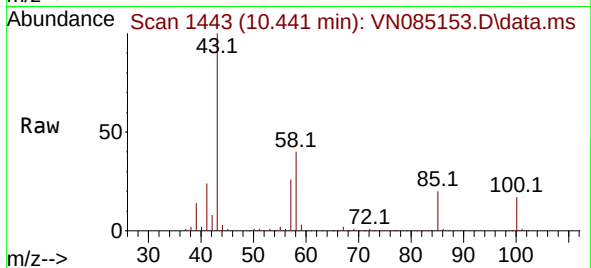
VSTDCCC050EC

Tgt Ion: 43 Resp: 725499

Ion Ratio Lower Upper

43 100

58 40.9 32.1 48.1



#52

Toluene

Concen: 61.119 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VN085153.D

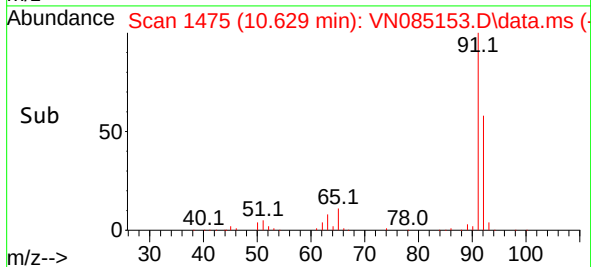
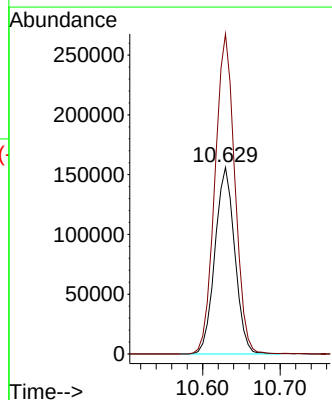
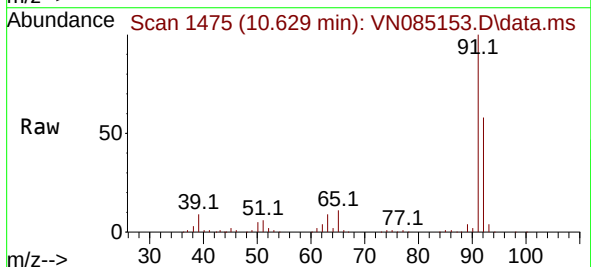
Acq: 09 Dec 2024 16:14

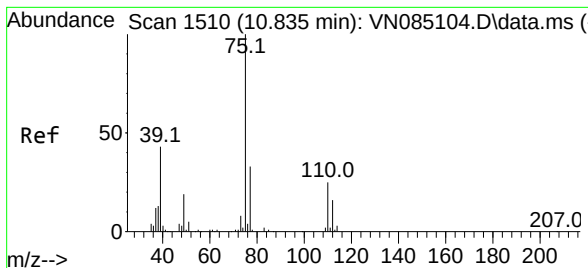
Tgt Ion: 92 Resp: 277164

Ion Ratio Lower Upper

92 100

91 172.7 136.7 205.1

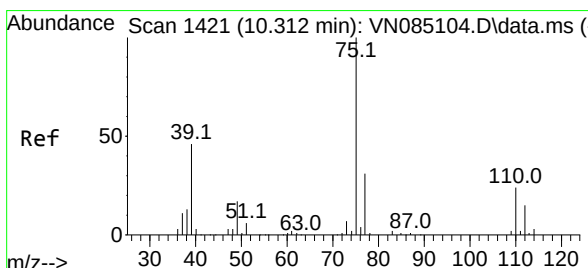
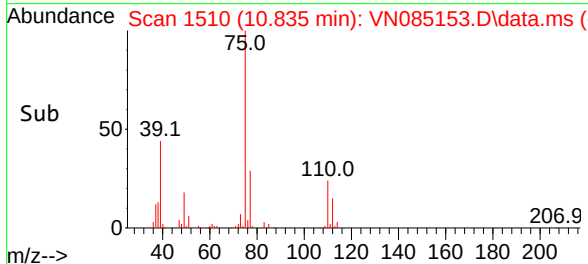
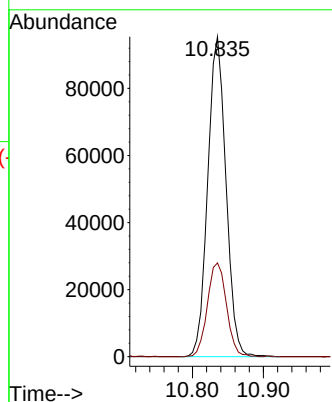
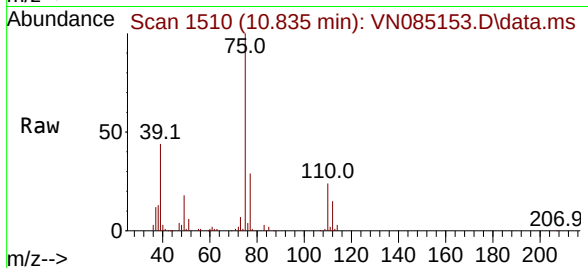




#53  
 t-1,3-Dichloropropene  
 Concen: 61.118 ug/l  
 RT: 10.835 min Scan# 1510  
 Delta R.T. -0.000 min  
 Lab File: VN085153.D  
 Acq: 09 Dec 2024 16:14

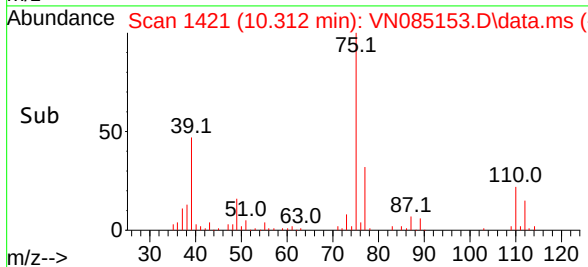
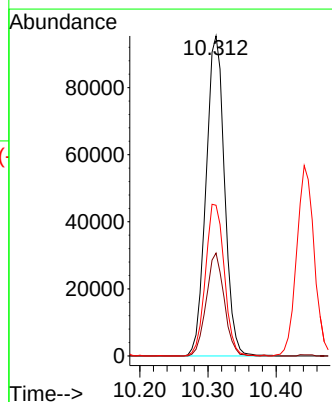
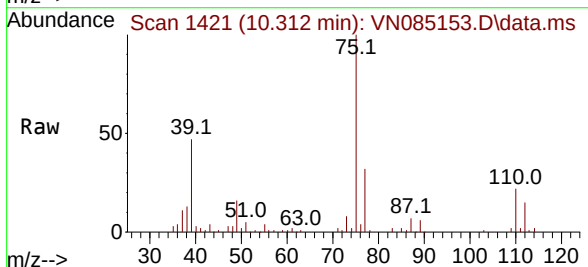
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

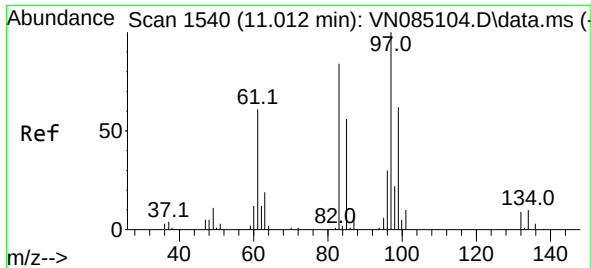
Tgt Ion: 75 Resp: 170255  
 Ion Ratio Lower Upper  
 75 100  
 77 29.3 25.0 37.4



#54  
 cis-1,3-Dichloropropene  
 Concen: 60.963 ug/l  
 RT: 10.312 min Scan# 1421  
 Delta R.T. 0.006 min  
 Lab File: VN085153.D  
 Acq: 09 Dec 2024 16:14

Tgt Ion: 75 Resp: 180164  
 Ion Ratio Lower Upper  
 75 100  
 77 32.2 25.0 37.4  
 39 47.1 37.6 56.4



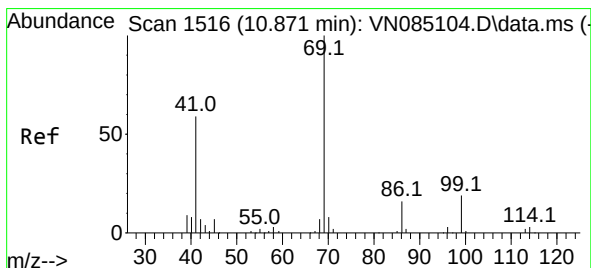
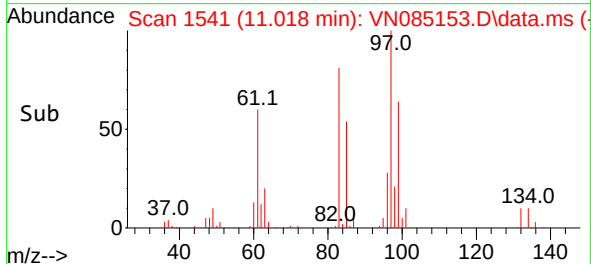
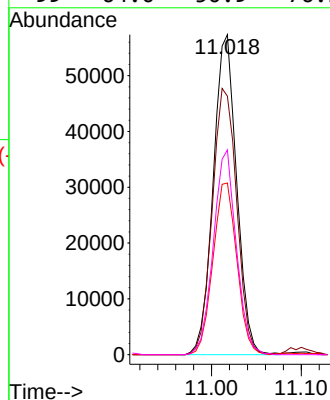
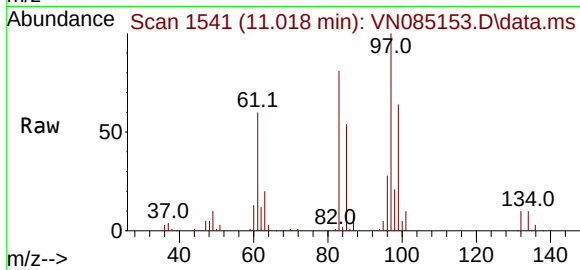


#55  
1,1,2-Trichloroethane  
Concen: 61.496 ug/l  
RT: 11.018 min Scan# 1541  
Delta R.T. 0.006 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 97 Resp: 103873

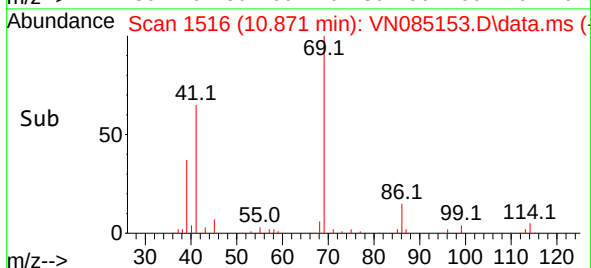
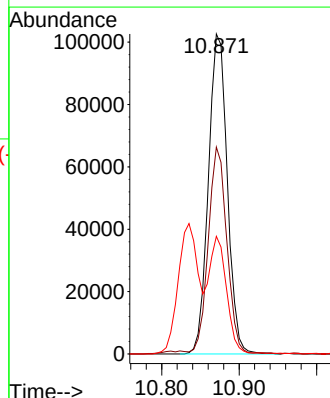
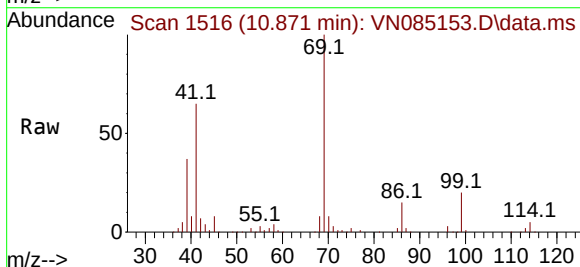
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 80.8  | 67.4  | 101.2 |
| 85  | 53.7  | 43.1  | 64.7  |
| 99  | 64.0  | 50.9  | 76.3  |



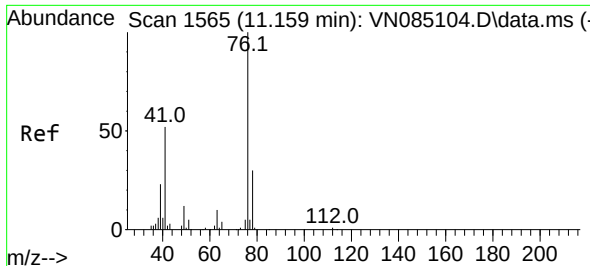
#56  
Ethyl methacrylate  
Concen: 70.497 ug/l  
RT: 10.871 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

Tgt Ion: 69 Resp: 174001

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 63.7  | 50.0  | 75.0  |
| 39  | 34.9  | 27.0  | 40.6  |







#57

1,3-Dichloropropane

Concen: 59.747 ug/l

RT: 11.159 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA\_N

ClientSampleId :

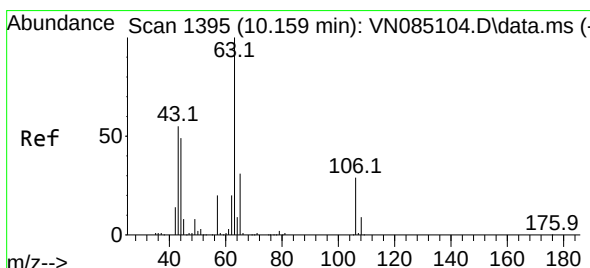
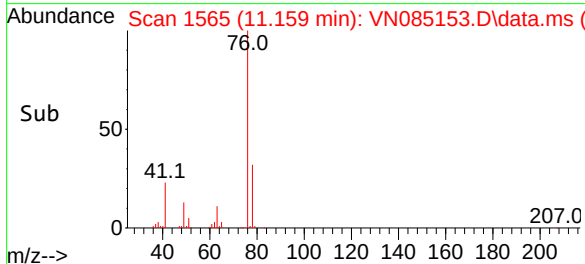
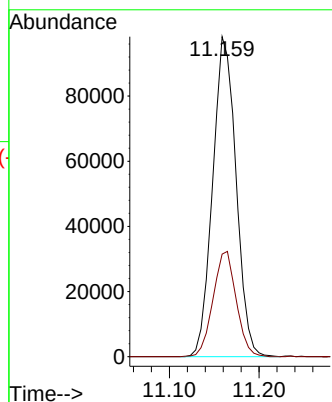
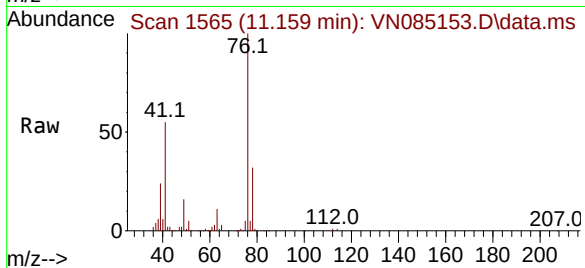
VSTDCCC050EC

Tgt Ion: 76 Resp: 177618

Ion Ratio Lower Upper

76 100

78 32.7 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 280.990 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN085153.D

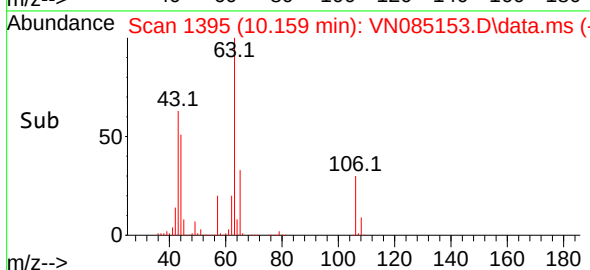
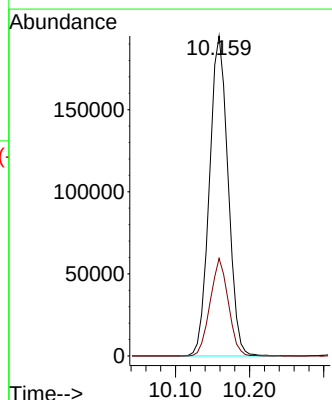
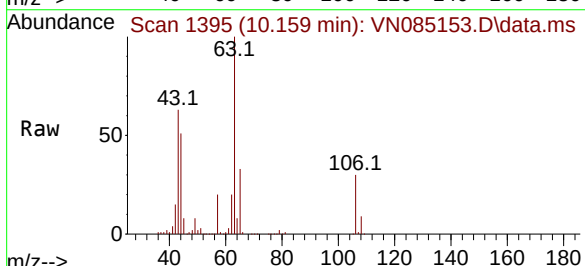
Acq: 09 Dec 2024 16:14

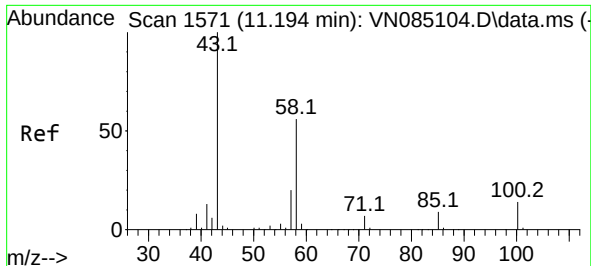
Tgt Ion: 63 Resp: 340202

Ion Ratio Lower Upper

63 100

106 29.7 23.0 34.6

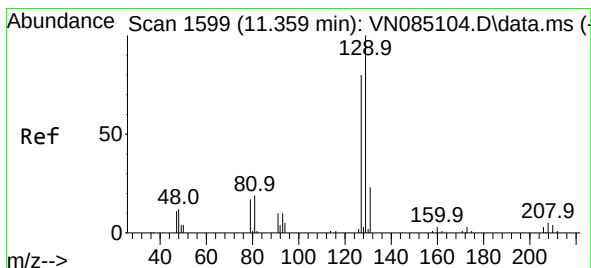
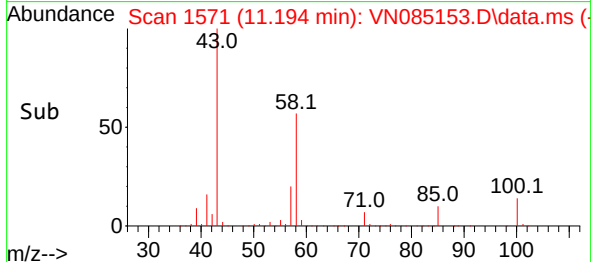
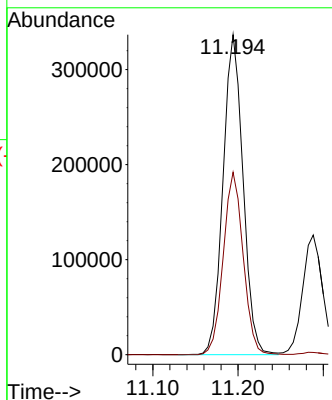
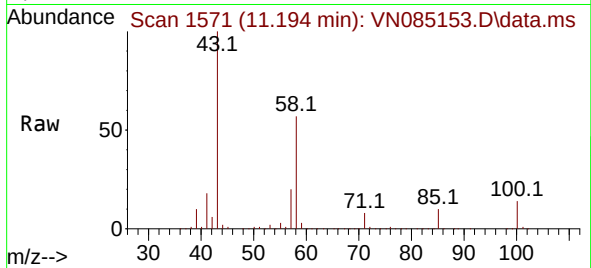




#59  
2-Hexanone  
Concen: 351.625 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. -0.000 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

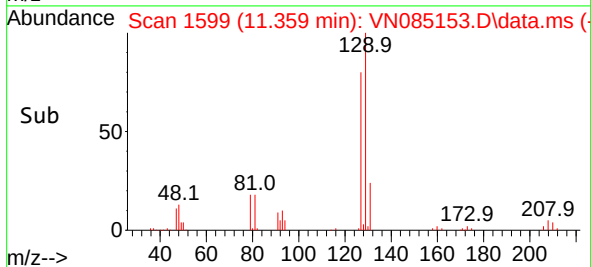
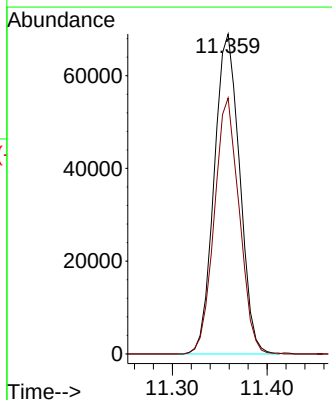
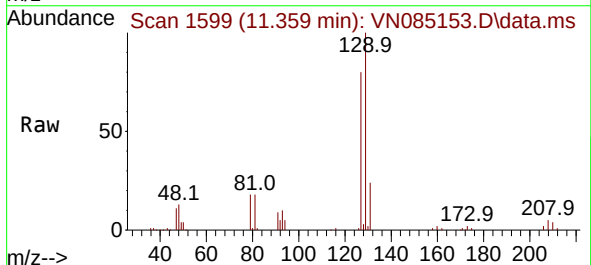
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

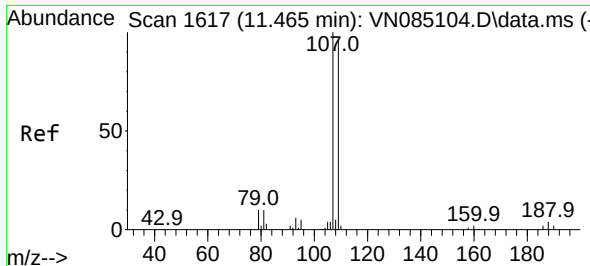
Tgt Ion: 43 Resp: 549363  
Ion Ratio Lower Upper  
43 100  
58 56.6 28.3 85.0



#60  
Dibromochloromethane  
Concen: 62.448 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. -0.000 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

Tgt Ion: 129 Resp: 128913  
Ion Ratio Lower Upper  
129 100  
127 78.3 39.2 117.6

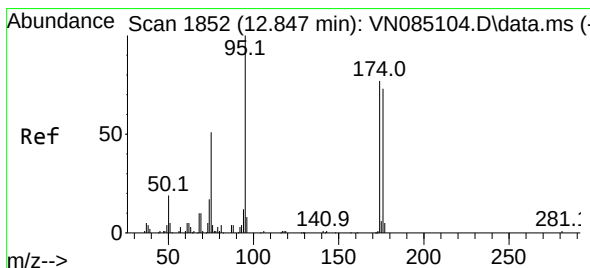
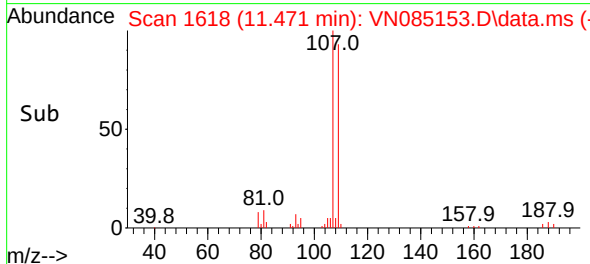
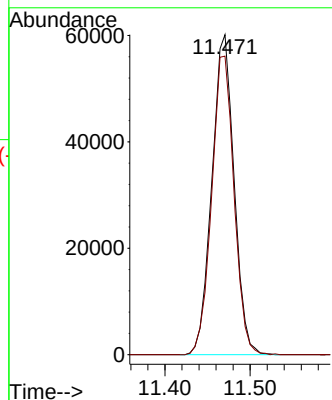
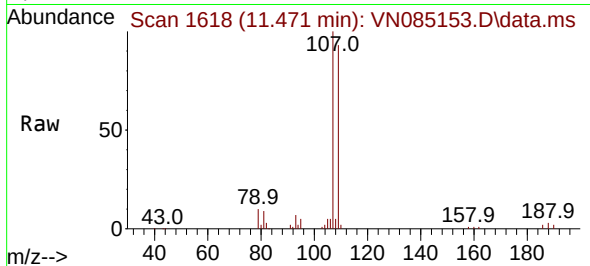




#61  
1,2-Dibromoethane  
Concen: 62.224 ug/l  
RT: 11.471 min Scan# 1618  
Delta R.T. 0.006 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

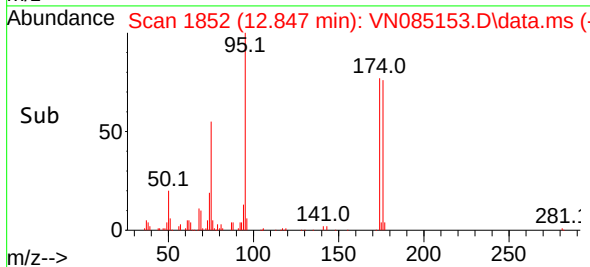
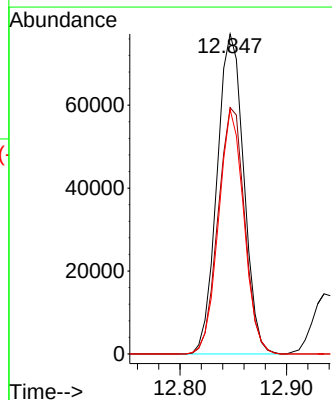
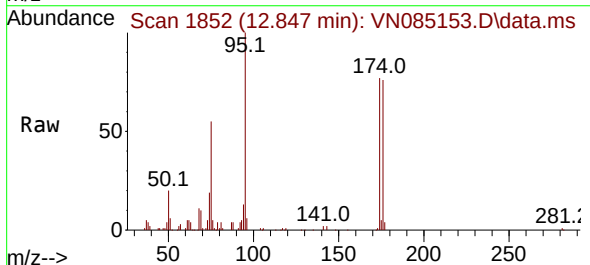
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

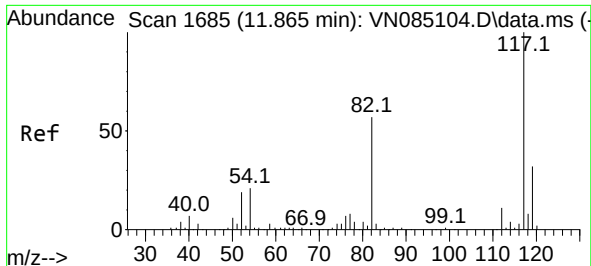
Tgt Ion:107 Resp: 108774  
Ion Ratio Lower Upper  
107 100  
109 94.0 76.1 114.1



#62  
4-Bromofluorobenzene  
Concen: 56.039 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

Tgt Ion: 95 Resp: 134293  
Ion Ratio Lower Upper  
95 100  
174 76.6 0.0 146.6  
176 72.8 0.0 141.8

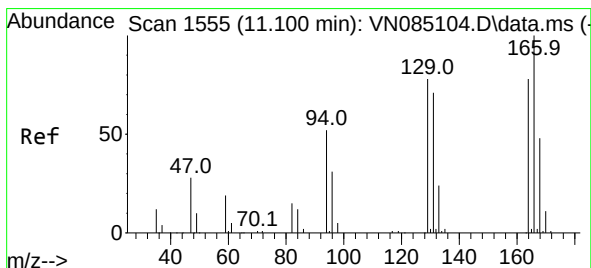
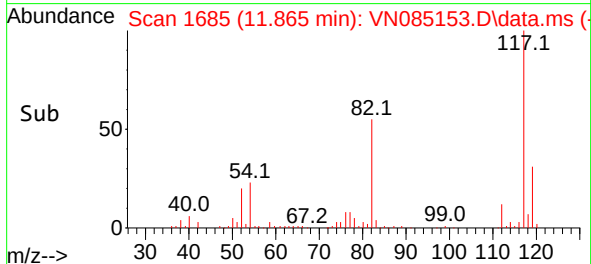
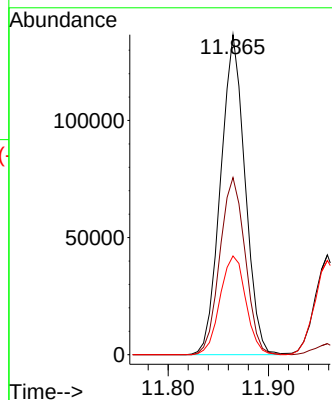
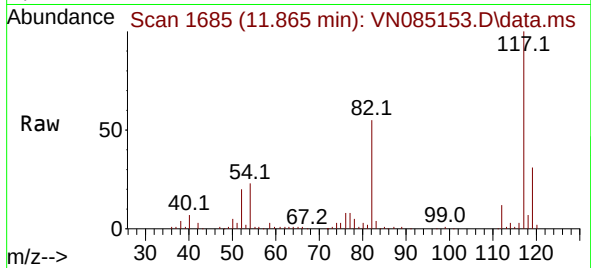




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. 0.006 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

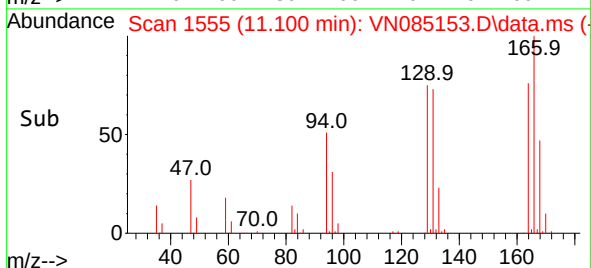
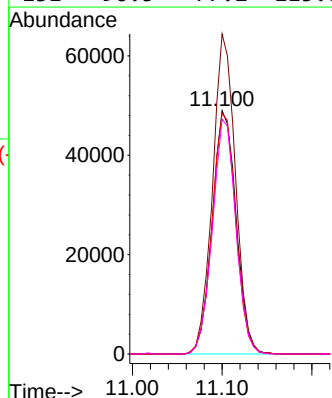
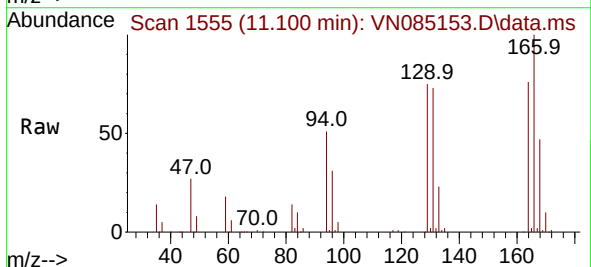
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

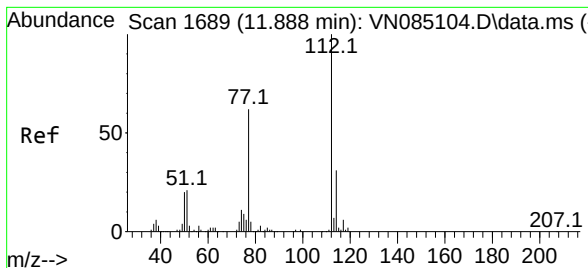
Tgt Ion:117 Resp: 230771  
Ion Ratio Lower Upper  
117 100  
82 55.3 46.0 69.0  
119 30.9 25.6 38.4



#64  
Tetrachloroethene  
Concen: 58.408 ug/l  
RT: 11.100 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

Tgt Ion:164 Resp: 90824  
Ion Ratio Lower Upper  
164 100  
166 131.5 100.6 151.0  
129 98.8 77.7 116.5  
131 96.5 77.2 115.8

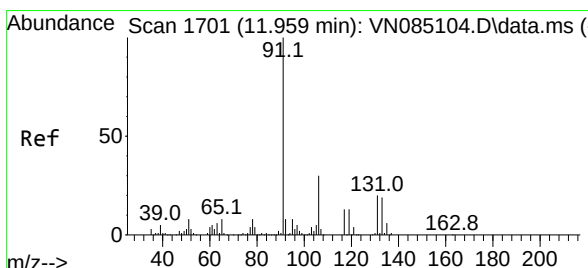
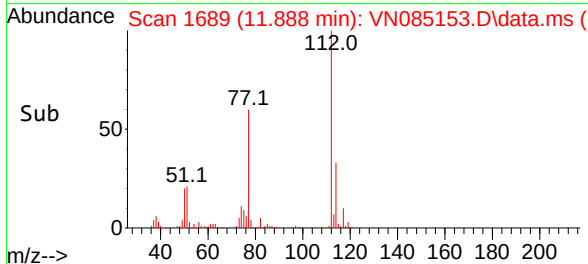
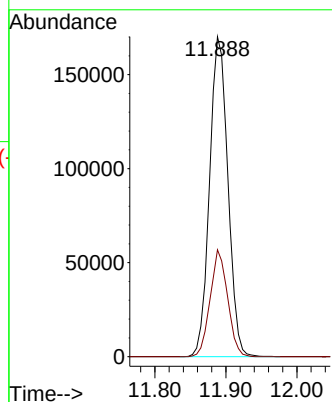
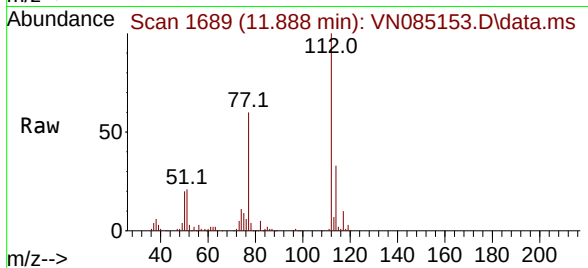




#65  
Chlorobenzene  
Concen: 58.266 ug/l  
RT: 11.888 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

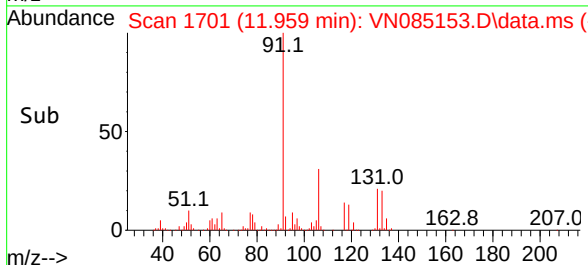
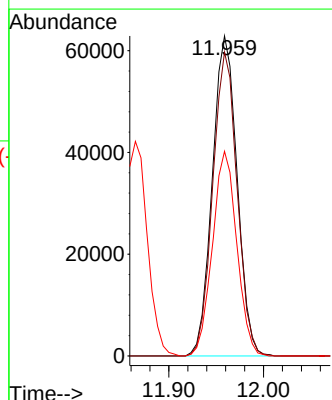
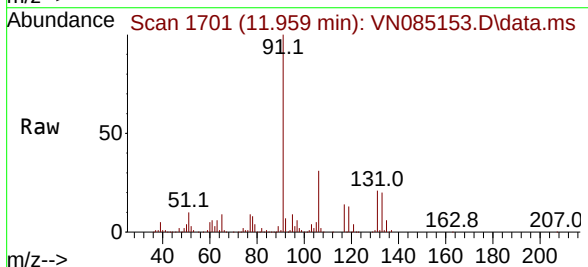
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

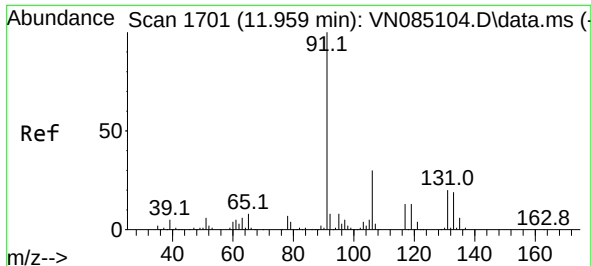
Tgt Ion:112 Resp: 304940  
Ion Ratio Lower Upper  
112 100  
114 33.4 25.8 38.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 61.967 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

Tgt Ion:131 Resp: 114186  
Ion Ratio Lower Upper  
131 100  
133 93.5 47.8 143.4  
119 62.9 32.1 96.3

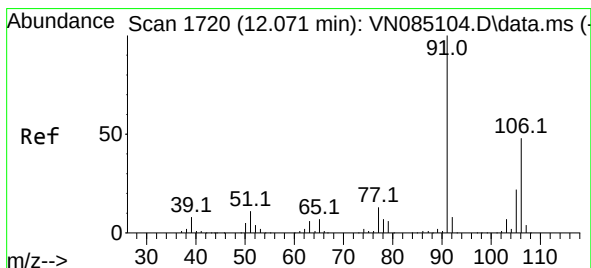
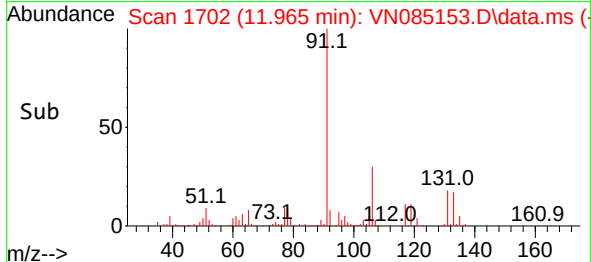
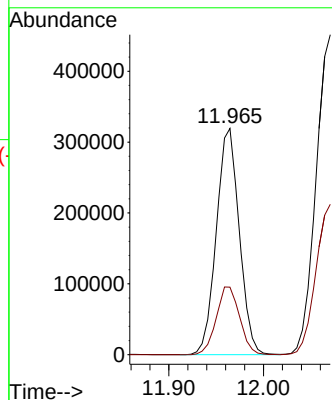
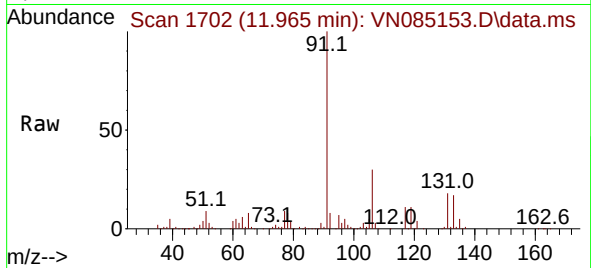




#67  
Ethyl Benzene  
Concen: 63.337 ug/l  
RT: 11.965 min Scan# 1701  
Delta R.T. 0.006 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

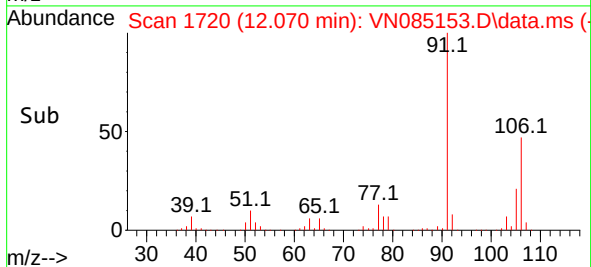
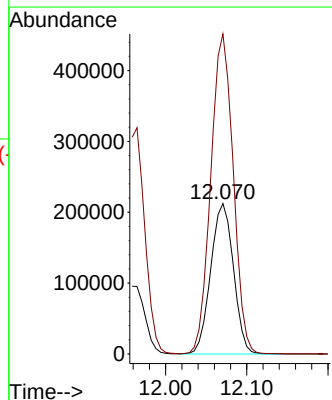
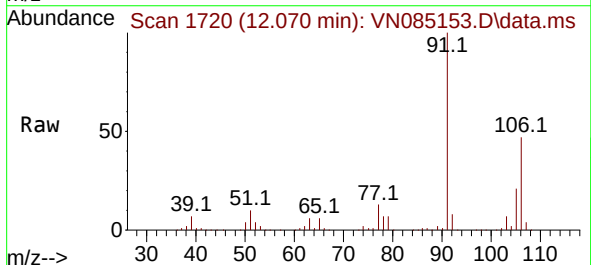
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

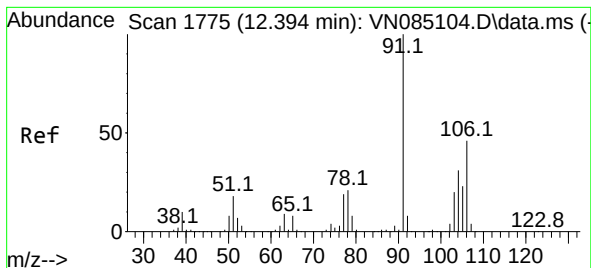
Tgt Ion: 91 Resp: 537789  
Ion Ratio Lower Upper  
91 100  
106 29.8 24.7 37.1



#68  
m/p-Xylenes  
Concen: 127.766 ug/l  
RT: 12.070 min Scan# 1720  
Delta R.T. -0.000 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

Tgt Ion:106 Resp: 413021  
Ion Ratio Lower Upper  
106 100  
91 210.4 168.0 252.0





#69

o-Xylene

Concen: 64.428 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA\_N

ClientSampleId :

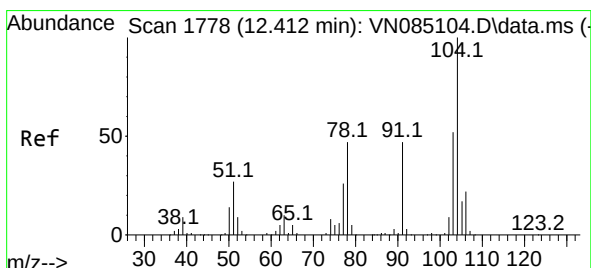
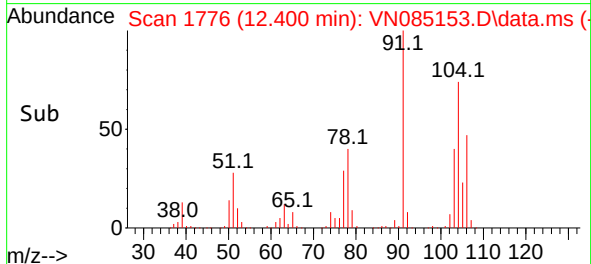
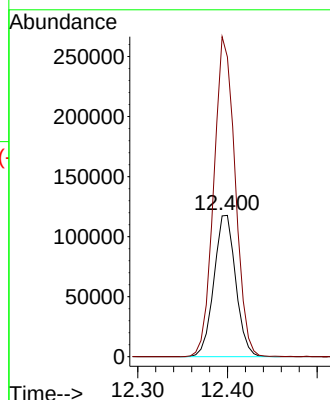
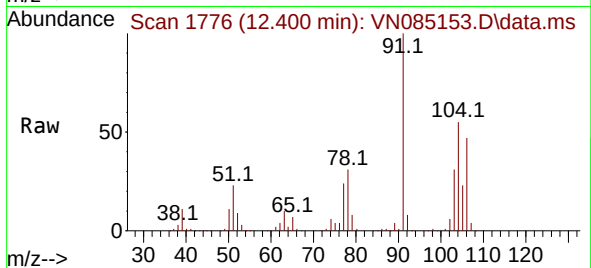
VSTDCCC050EC

Tgt Ion:106 Resp: 198117

Ion Ratio Lower Upper

106 100

91 222.5 110.7 331.9



#70

Styrene

Concen: 67.883 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

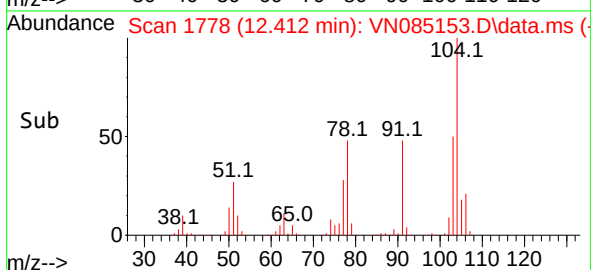
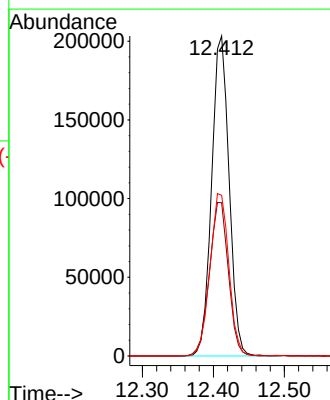
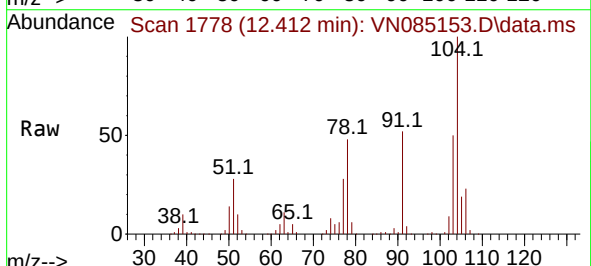
Tgt Ion:104 Resp: 347132

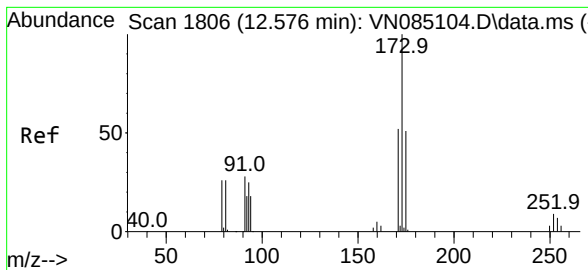
Ion Ratio Lower Upper

104 100

78 52.1 42.3 63.5

103 54.9 44.2 66.2





#71

Bromoform

Concen: 67.320 ug/l

RT: 12.576 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

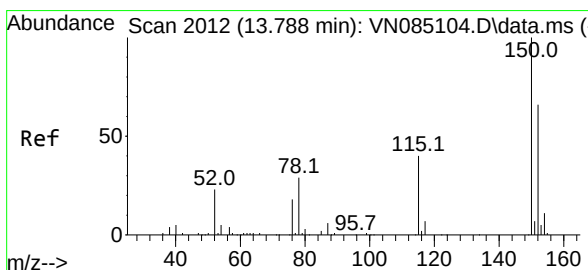
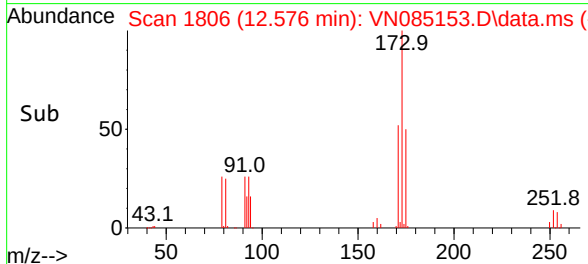
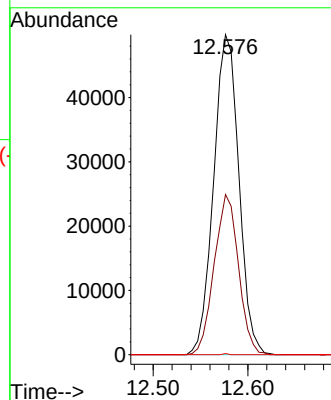
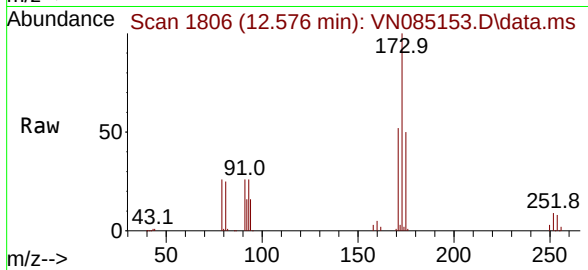
Tgt Ion:173 Resp: 92080

Ion Ratio Lower Upper

173 100

175 48.2 23.8 71.2

254 0.1 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

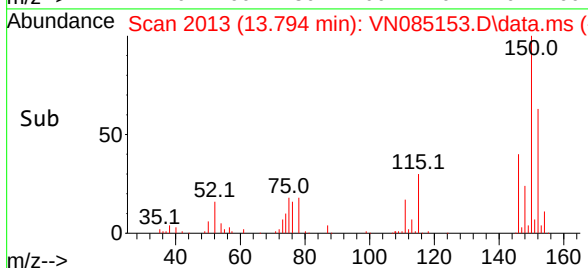
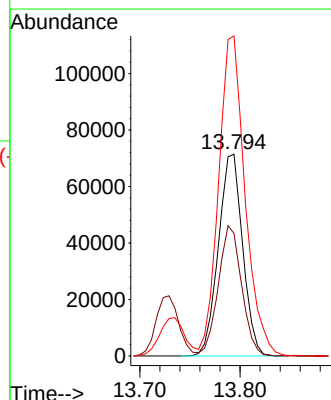
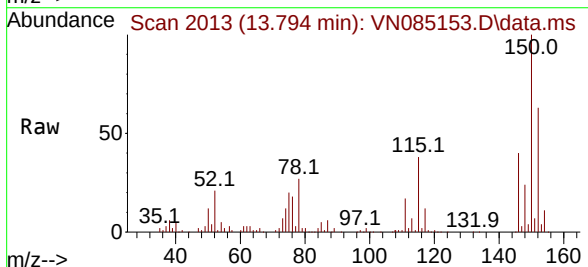
Tgt Ion:152 Resp: 119527

Ion Ratio Lower Upper

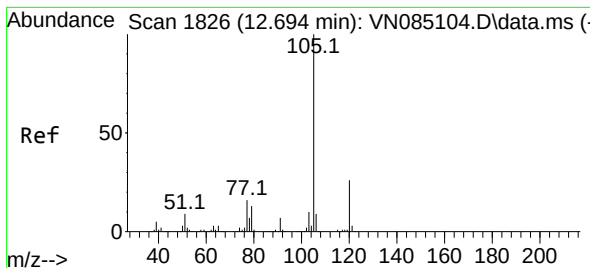
152 100

115 62.1 31.7 95.1

150 172.2 0.0 351.4







#73

Isopropylbenzene

Concen: 60.785 ug/l

RT: 12.694 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA\_N

ClientSampleId :

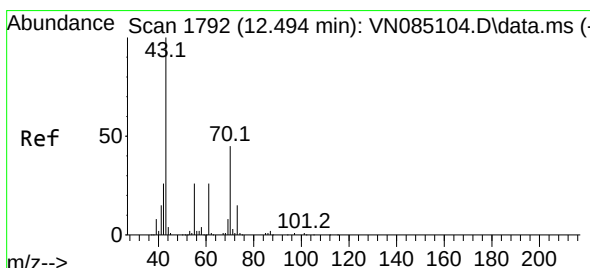
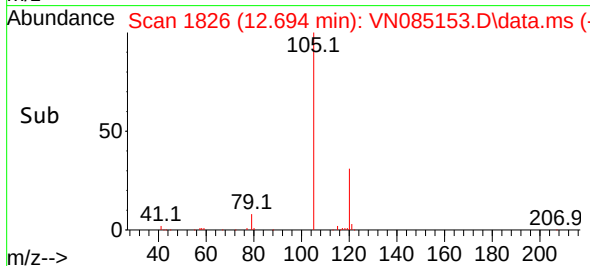
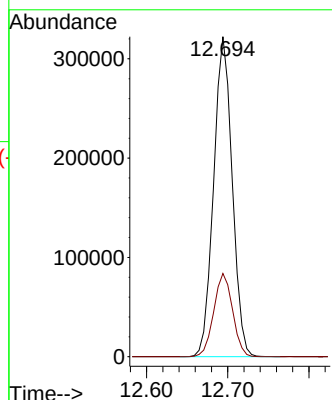
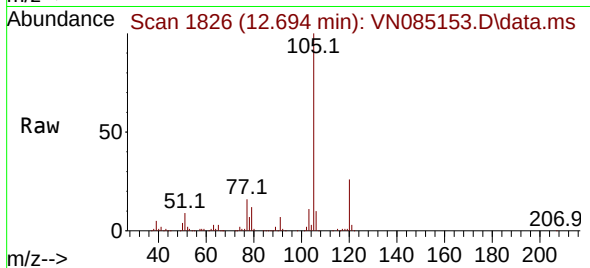
VSTDCCC050EC

Tgt Ion:105 Resp: 512549

Ion Ratio Lower Upper

105 100

120 26.3 13.0 39.0



#74

N-ethyl acetate

Concen: 63.094 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Tgt Ion: 43 Resp: 219231

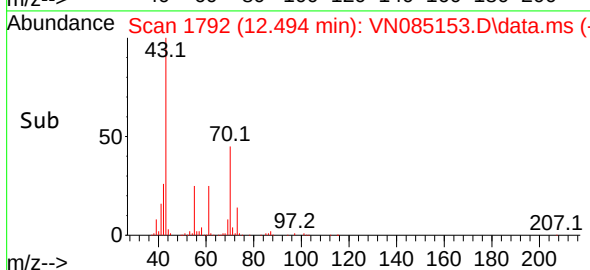
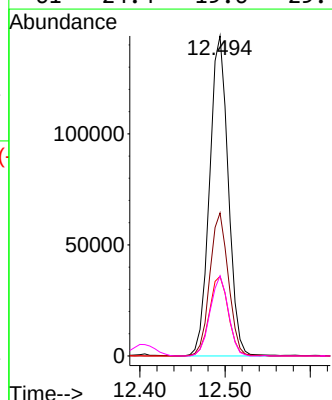
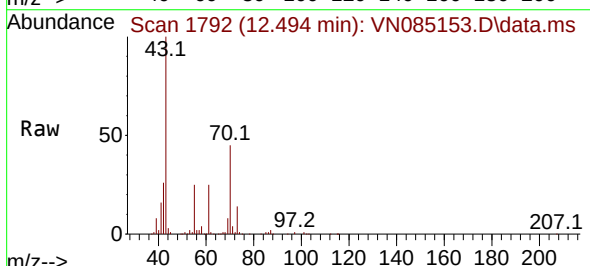
Ion Ratio Lower Upper

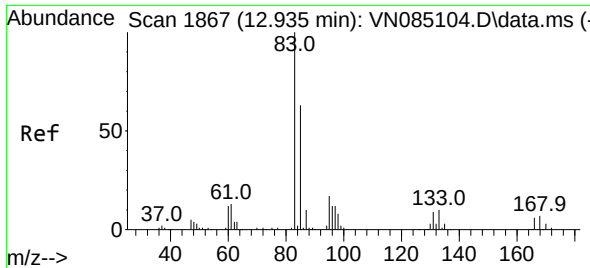
43 100

70 44.4 34.6 51.8

55 25.4 20.5 30.7

61 24.4 19.6 29.4

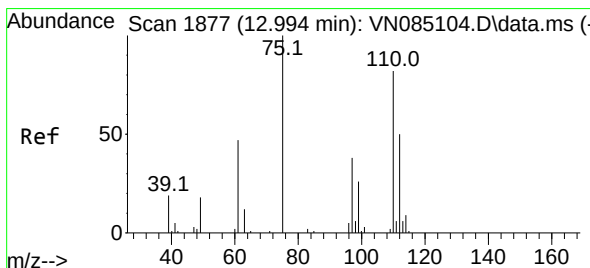
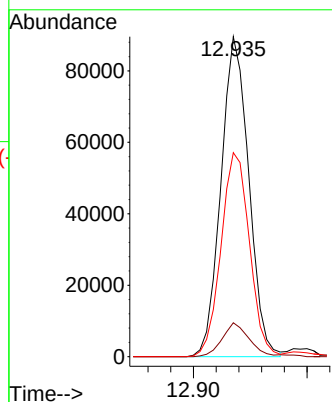
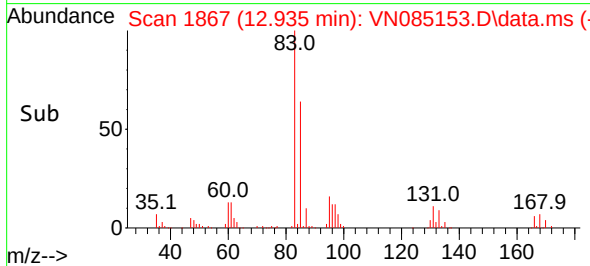
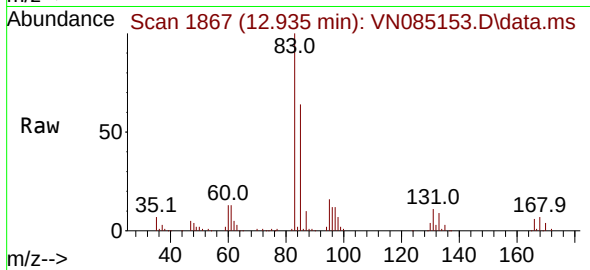




#75  
1,1,2,2-Tetrachloroethane  
Concen: 52.916 ug/l  
RT: 12.935 min Scan# 1867  
Delta R.T. -0.000 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

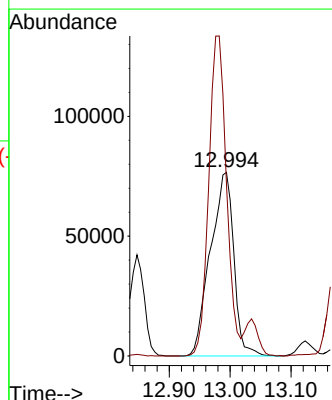
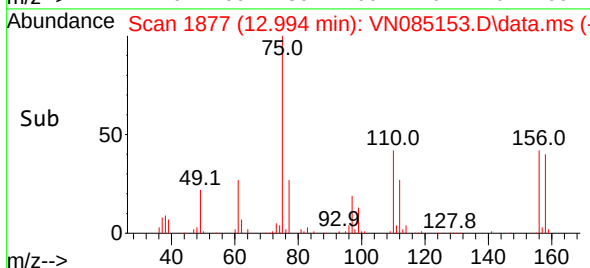
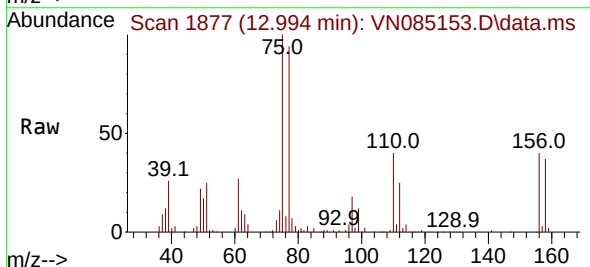
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

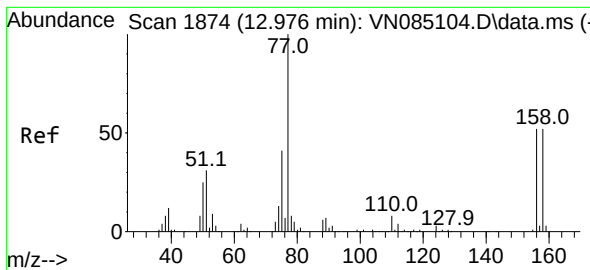
Tgt Ion: 83 Resp: 152365  
Ion Ratio Lower Upper  
83 100  
131 10.6 5.1 15.4  
85 65.1 32.1 96.3



#76  
1,2,3-Trichloropropane  
Concen: 93.860 ug/l  
RT: 12.994 min Scan# 1877  
Delta R.T. -0.000 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

Tgt Ion: 75 Resp: 204062  
Ion Ratio Lower Upper  
75 100  
77 132.7 109.1 327.4





#77

Bromobenzene

Concen: 55.620 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

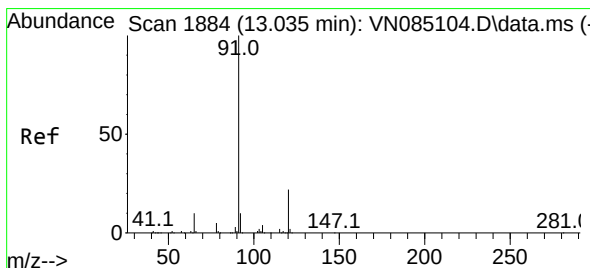
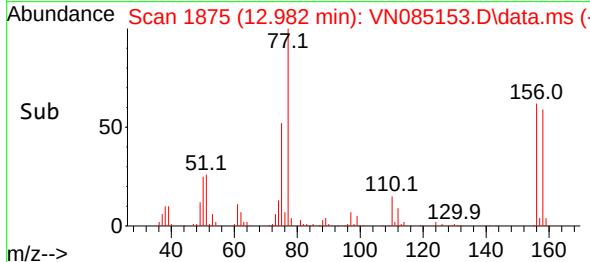
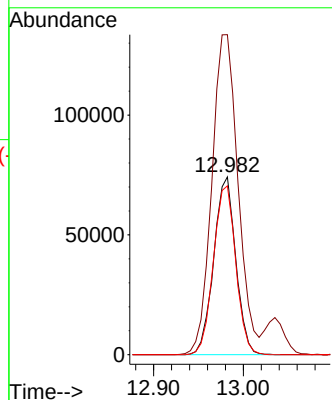
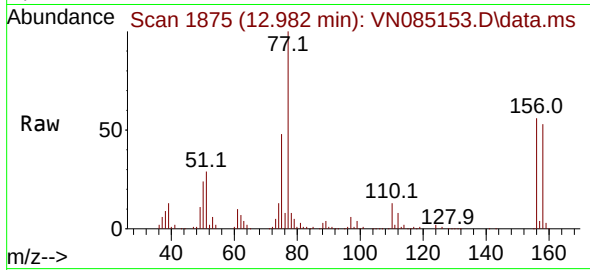
Tgt Ion:156 Resp: 126211

Ion Ratio Lower Upper

156 100

77 214.5 107.2 321.6

158 96.7 48.5 145.6



#78

n-propylbenzene

Concen: 62.752 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN085153.D

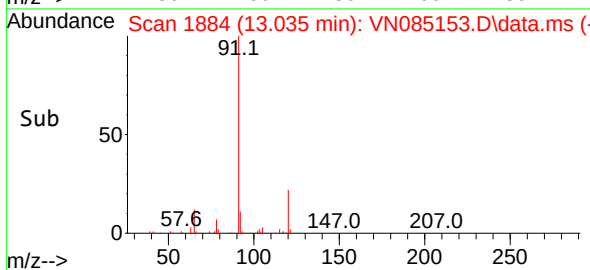
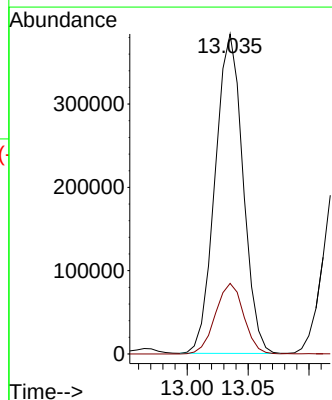
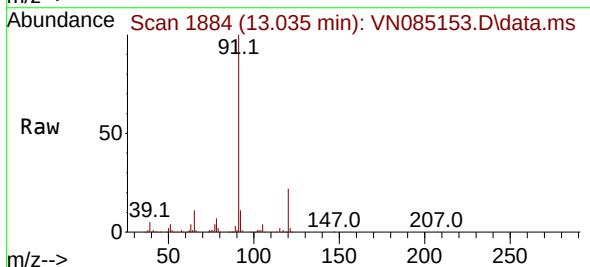
Acq: 09 Dec 2024 16:14

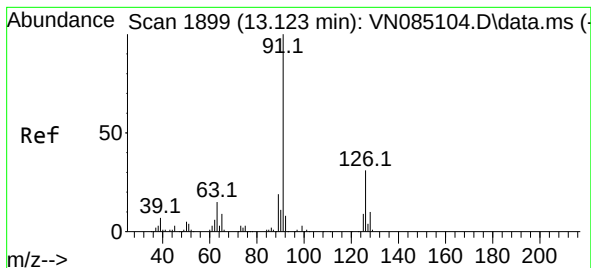
Tgt Ion: 91 Resp: 610311

Ion Ratio Lower Upper

91 100

120 22.5 11.3 33.9

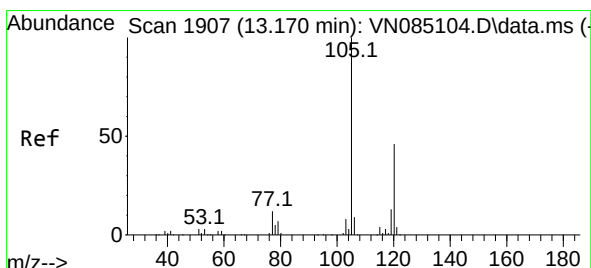
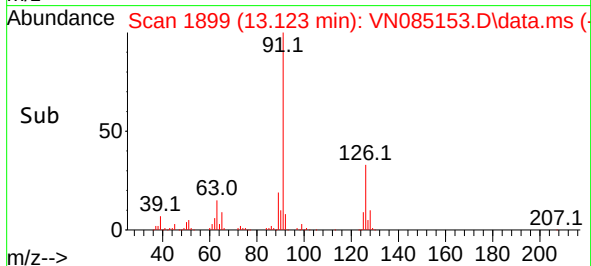
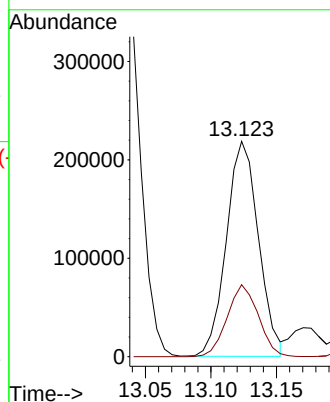
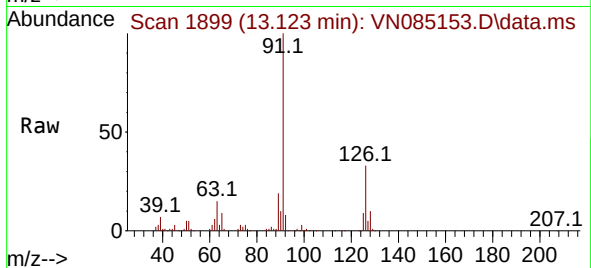




#79  
2-Chlorotoluene  
Concen: 57.227 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. -0.000 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

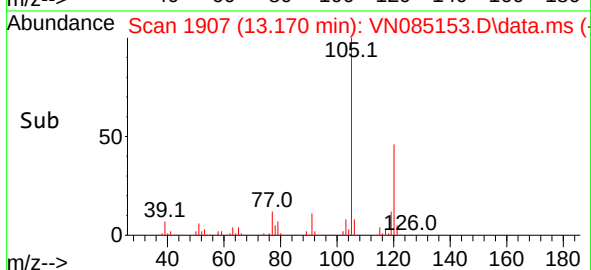
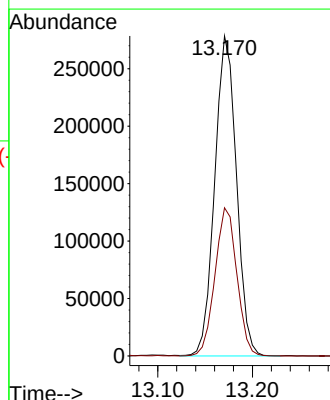
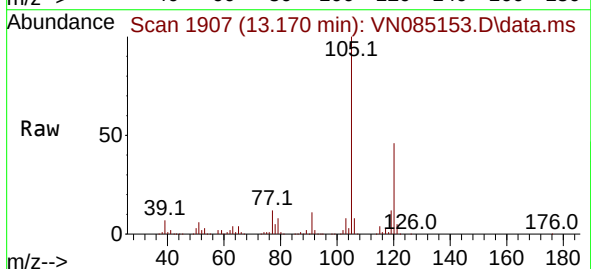
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

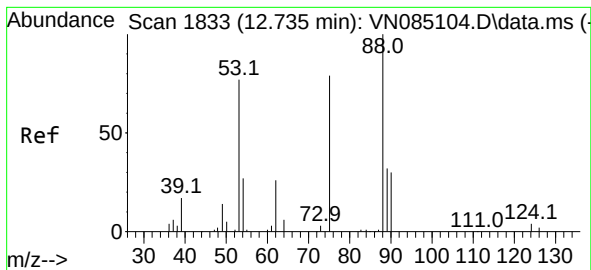
Tgt Ion: 91 Resp: 371546  
Ion Ratio Lower Upper  
91 100  
126 32.6 16.1 48.3



#80  
1,3,5-Trimethylbenzene  
Concen: 62.790 ug/l  
RT: 13.170 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

Tgt Ion: 105 Resp: 444282  
Ion Ratio Lower Upper  
105 100  
120 46.7 23.6 71.0

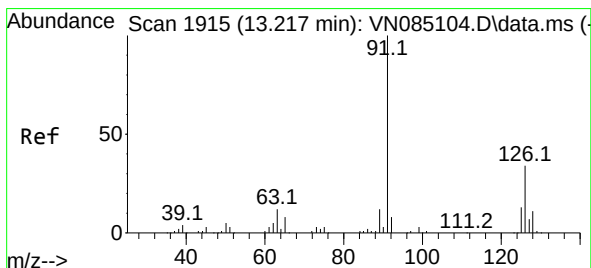
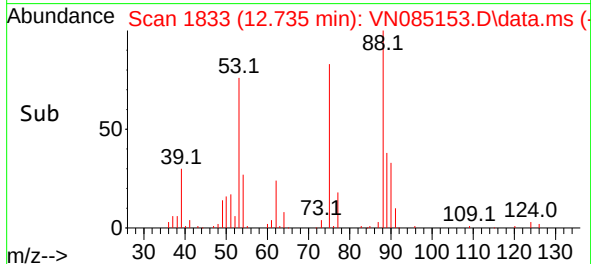
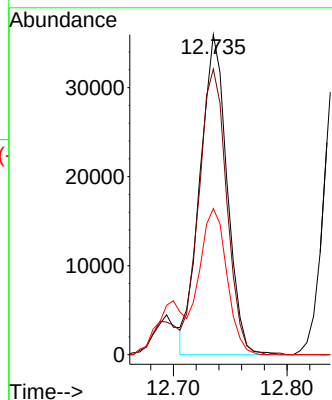
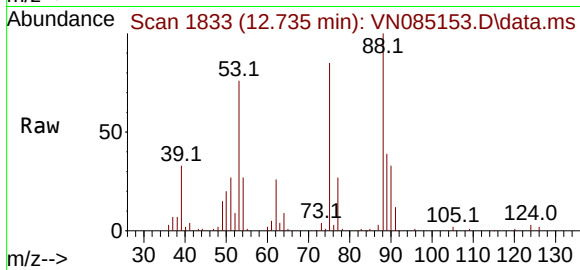




#81  
trans-1,4-Dichloro-2-butene  
Concen: 60.338 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. -0.000 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

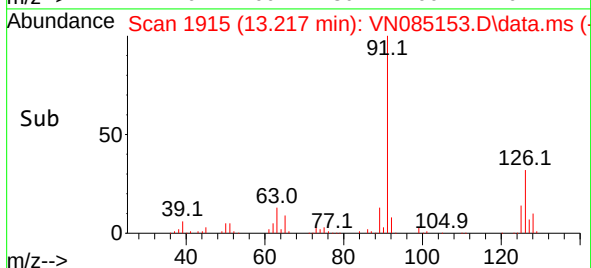
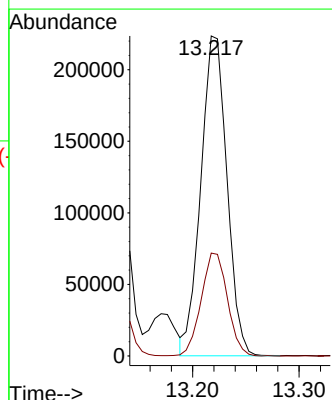
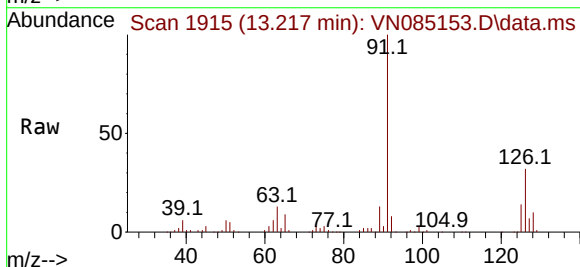
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

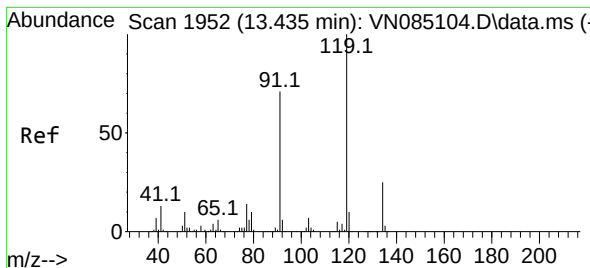
Tgt Ion: 75 Resp: 59423  
Ion Ratio Lower Upper  
75 100  
53 92.2 78.2 117.4  
89 46.0 37.9 56.9



#82  
4-Chlorotoluene  
Concen: 56.362 ug/l  
RT: 13.217 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

Tgt Ion: 91 Resp: 380936  
Ion Ratio Lower Upper  
91 100  
126 32.4 16.1 48.3





#83

tert-Butylbenzene

Concen: 59.272 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

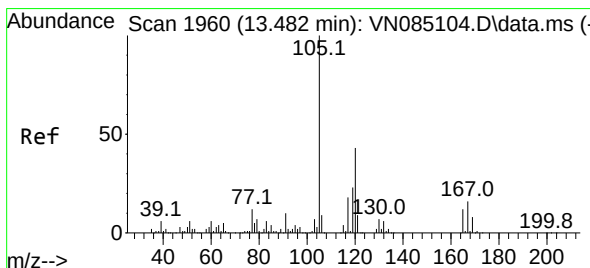
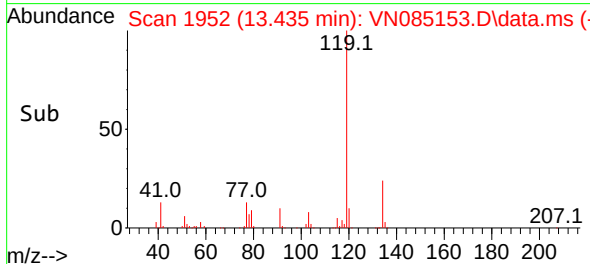
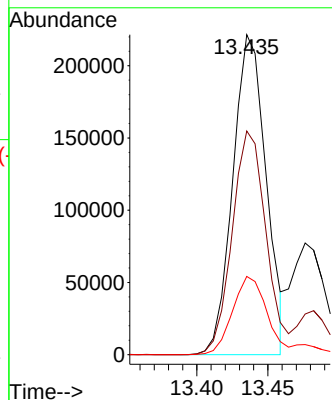
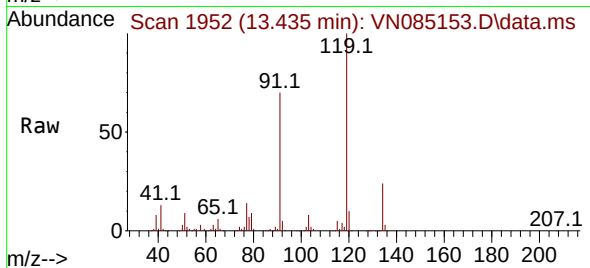
Tgt Ion:119 Resp: 360851

Ion Ratio Lower Upper

119 100

91 71.3 35.1 105.5

134 27.7 12.1 36.3



#84

1,2,4-Trimethylbenzene

Concen: 61.328 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN085153.D

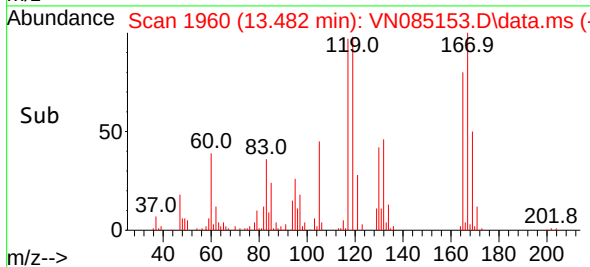
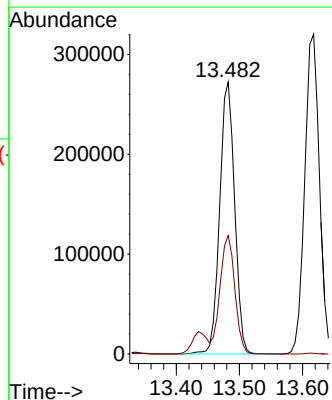
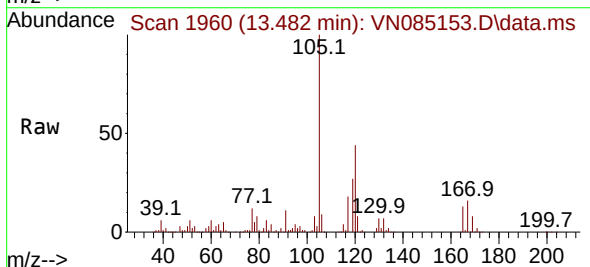
Acq: 09 Dec 2024 16:14

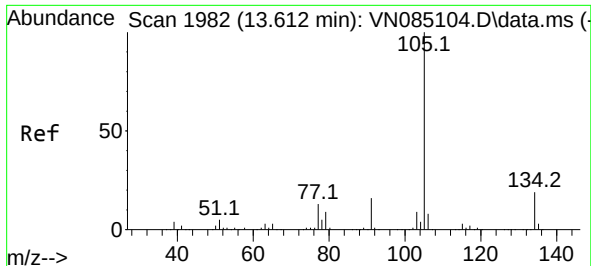
Tgt Ion:105 Resp: 446674

Ion Ratio Lower Upper

105 100

120 43.2 21.8 65.4

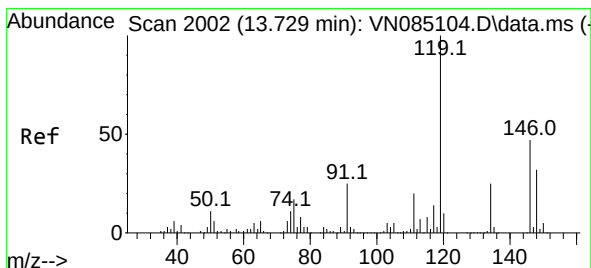
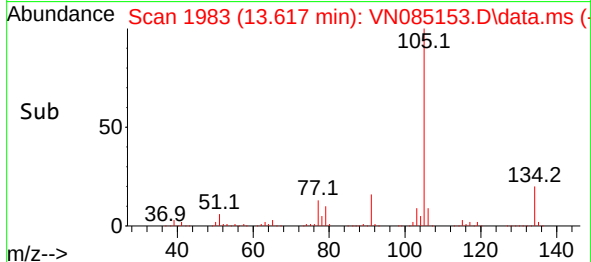
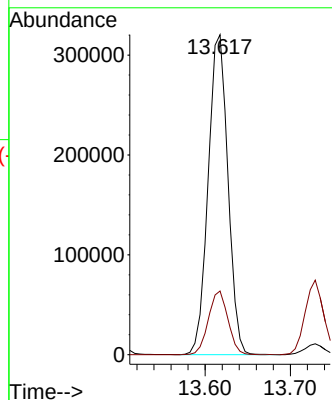
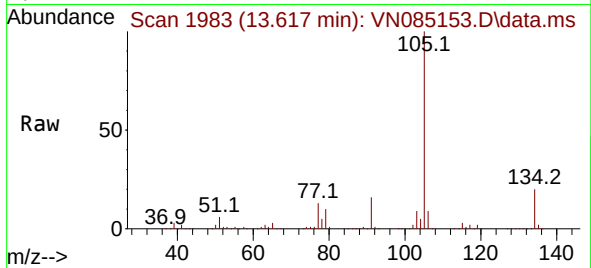




#85  
 sec-Butylbenzene  
 Concen: 62.691 ug/l  
 RT: 13.617 min Scan# 1982  
 Delta R.T. 0.006 min  
 Lab File: VN085153.D  
 Acq: 09 Dec 2024 16:14

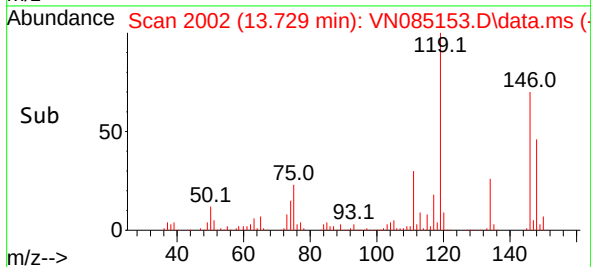
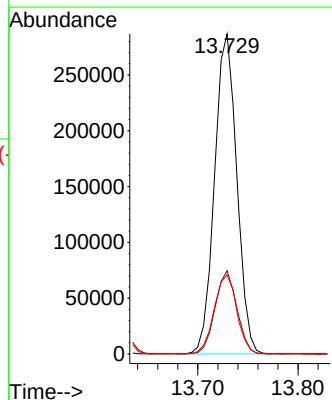
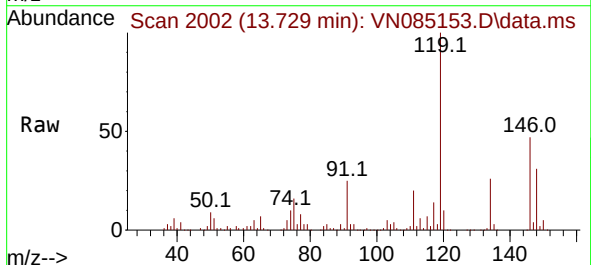
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

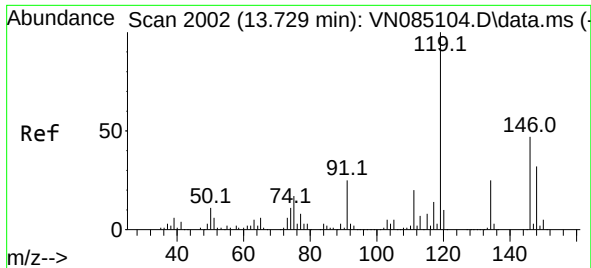
Tgt Ion:105 Resp: 515573  
 Ion Ratio Lower Upper  
 105 100  
 134 19.7 9.8 29.3



#86  
 p-Isopropyltoluene  
 Concen: 65.018 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.006 min  
 Lab File: VN085153.D  
 Acq: 09 Dec 2024 16:14

Tgt Ion:119 Resp: 441406  
 Ion Ratio Lower Upper  
 119 100  
 134 25.5 13.0 39.0  
 91 25.1 12.8 38.4

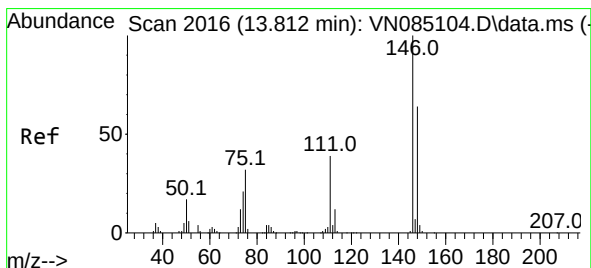
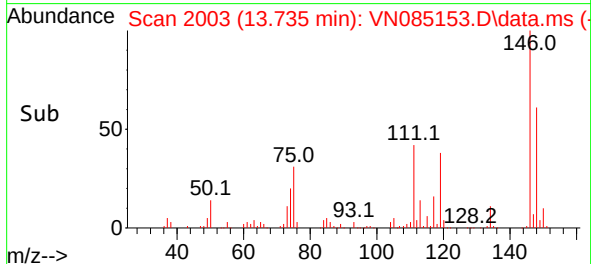
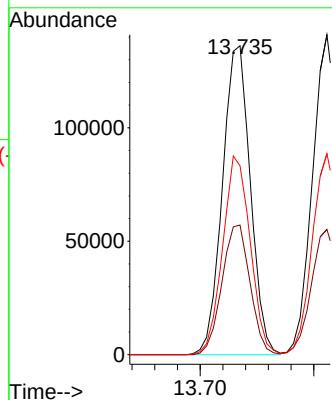
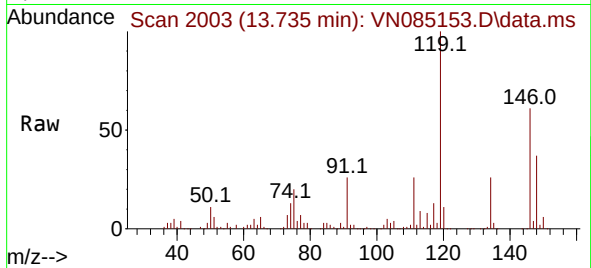




#87  
1,3-Dichlorobenzene  
Concen: 51.875 ug/l  
RT: 13.735 min Scan# 2002  
Delta R.T. 0.006 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

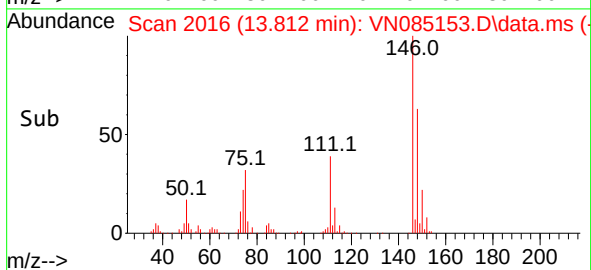
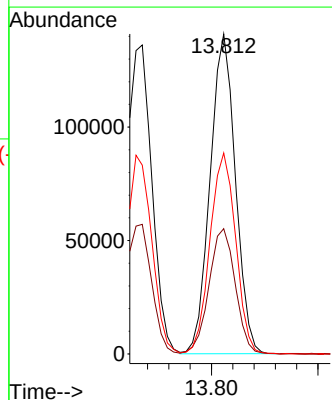
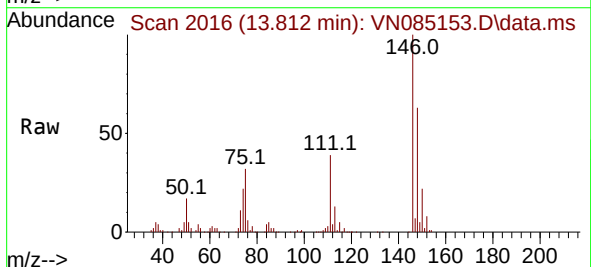
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:146 Resp: 232182  
Ion Ratio Lower Upper  
146 100  
111 42.2 21.6 65.0  
148 63.6 32.2 96.6

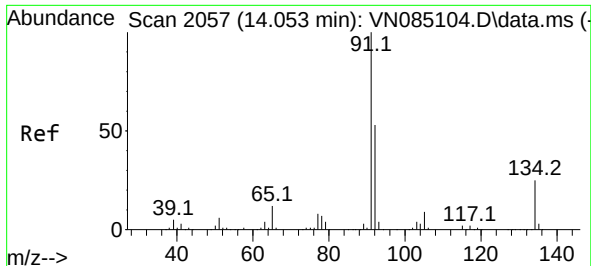


#88  
1,4-Dichlorobenzene  
Concen: 50.815 ug/l  
RT: 13.812 min Scan# 2016  
Delta R.T. -0.000 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

Tgt Ion:146 Resp: 232095  
Ion Ratio Lower Upper  
146 100  
111 40.8 20.9 62.8  
148 64.0 31.3 93.9







#89

n-Butylbenzene

Concen: 59.518 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

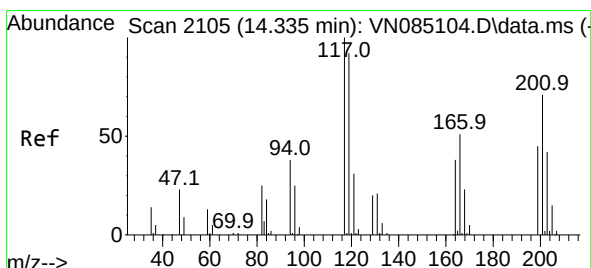
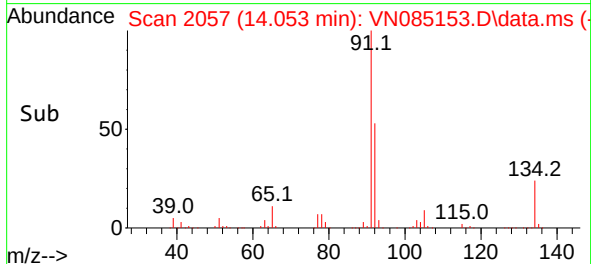
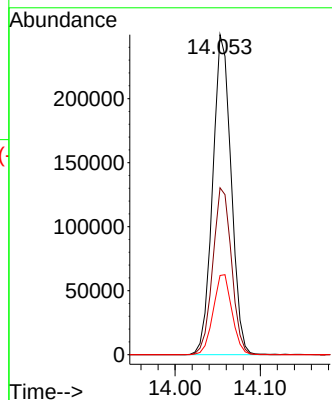
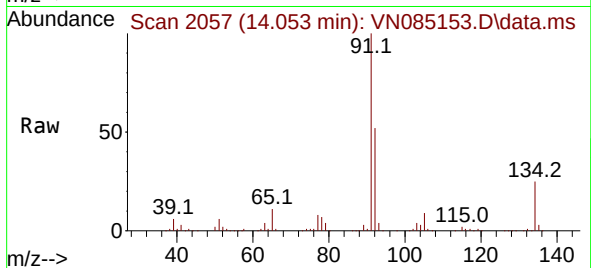
Tgt Ion: 91 Resp: 375765

Ion Ratio Lower Upper

91 100

92 53.0 26.8 80.3

134 25.5 12.8 38.4



#90

Hexachloroethane

Concen: 57.956 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. -0.000 min

Lab File: VN085153.D

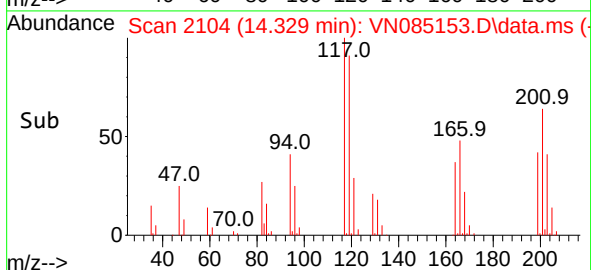
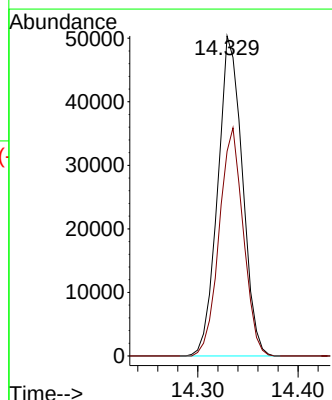
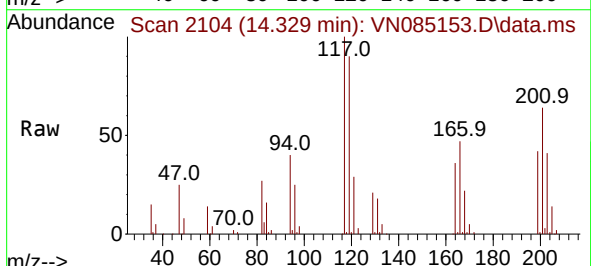
Acq: 09 Dec 2024 16:14

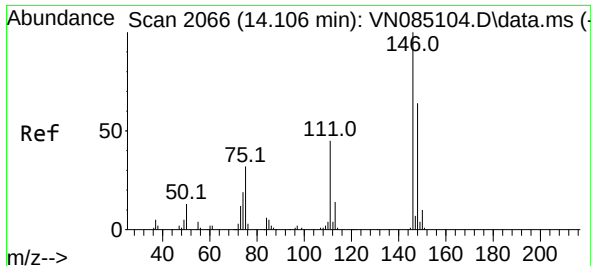
Tgt Ion: 117 Resp: 85765

Ion Ratio Lower Upper

117 100

201 69.6 35.2 105.6





#91

1,2-Dichlorobenzene

Concen: 50.441 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

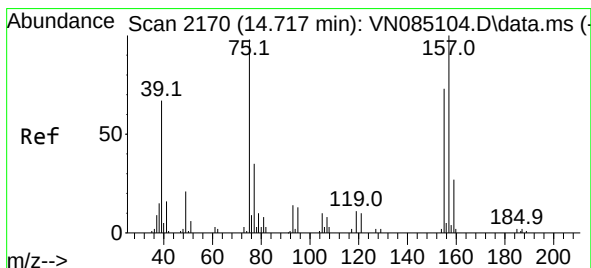
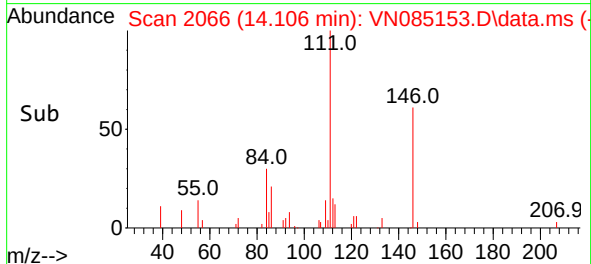
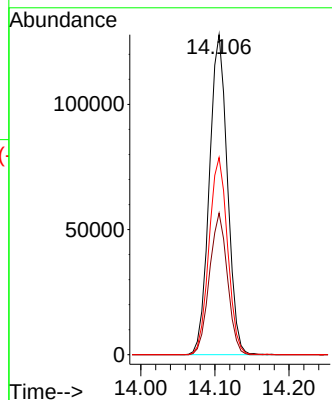
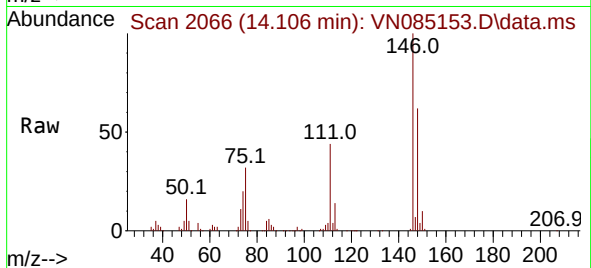
Tgt Ion:146 Resp: 216336

Ion Ratio Lower Upper

146 100

111 44.0 21.9 65.8

148 63.2 31.1 93.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.854 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

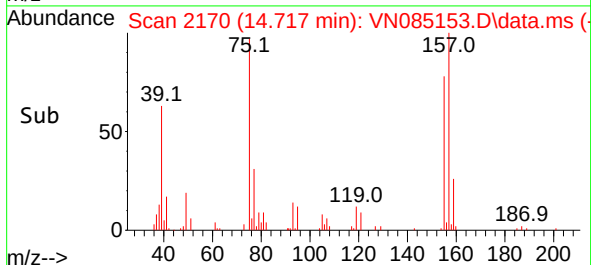
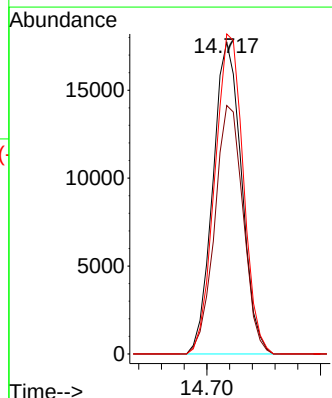
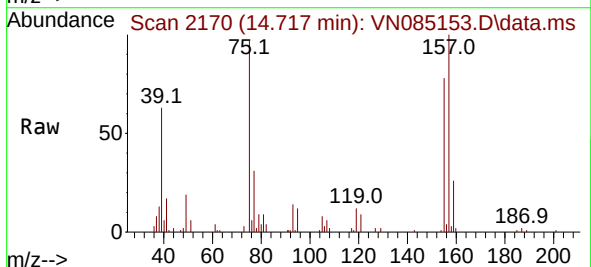
Tgt Ion: 75 Resp: 31099

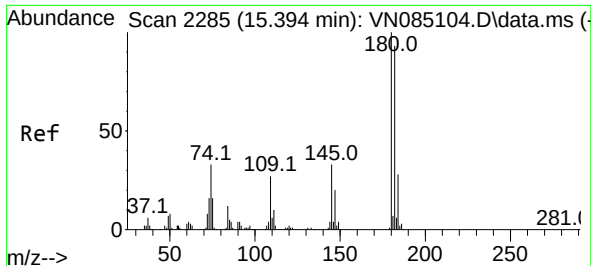
Ion Ratio Lower Upper

75 100

155 79.1 38.9 116.7

157 101.8 48.3 144.9

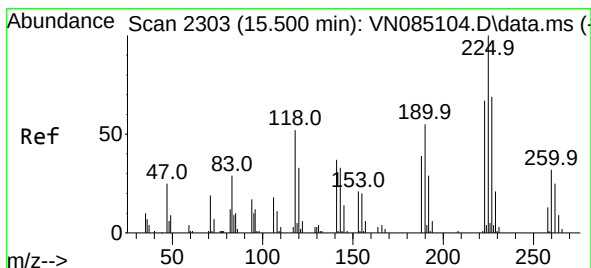
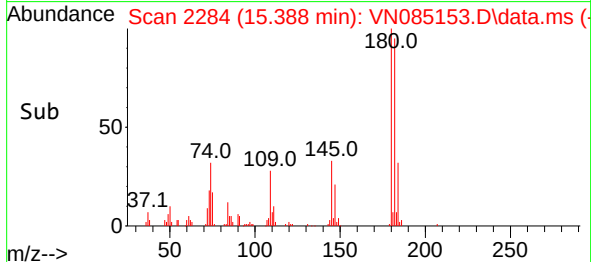
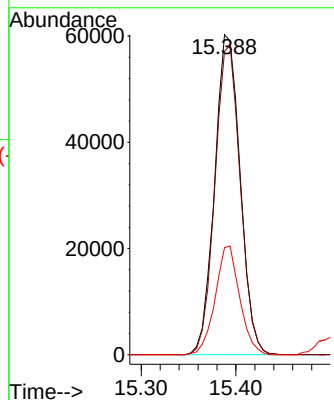
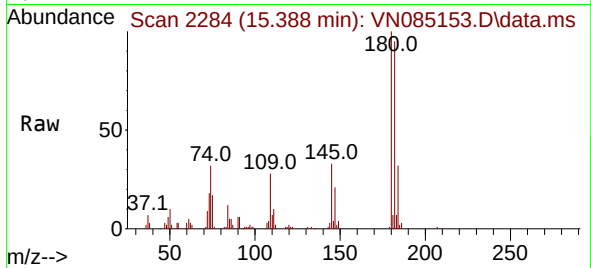




#93  
1,2,4-Trichlorobenzene  
Concen: 48.409 ug/l  
RT: 15.388 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

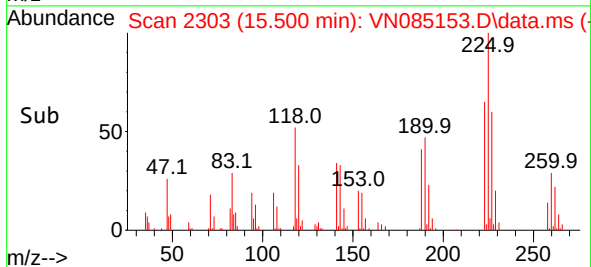
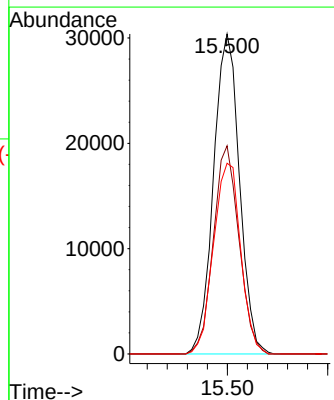
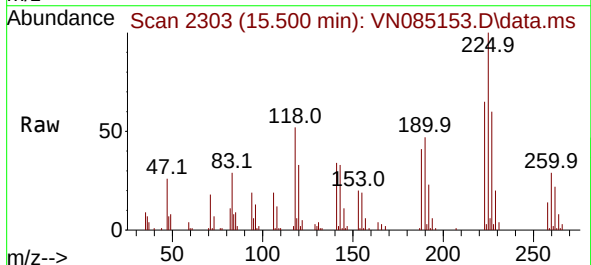
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

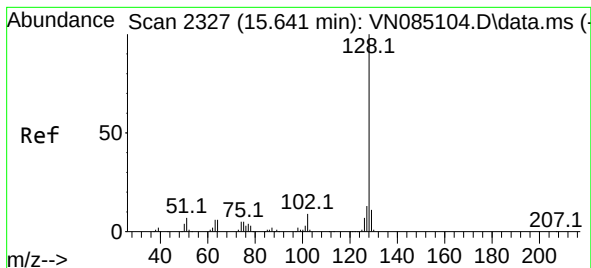
Tgt Ion:180 Resp: 112793  
Ion Ratio Lower Upper  
180 100  
182 96.2 46.9 140.8  
145 32.6 16.3 48.8



#94  
Hexachlorobutadiene  
Concen: 50.659 ug/l  
RT: 15.500 min Scan# 2303  
Delta R.T. -0.000 min  
Lab File: VN085153.D  
Acq: 09 Dec 2024 16:14

Tgt Ion:225 Resp: 54475  
Ion Ratio Lower Upper  
225 100  
223 64.3 30.9 92.8  
227 62.5 31.5 94.5





#95

Naphthalene

Concen: 53.899 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

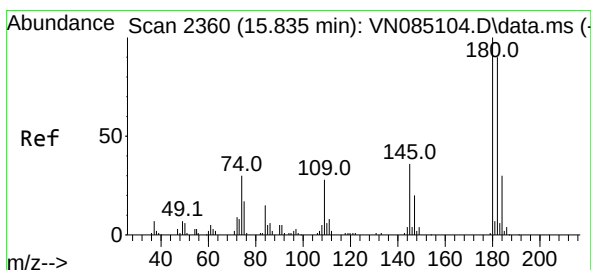
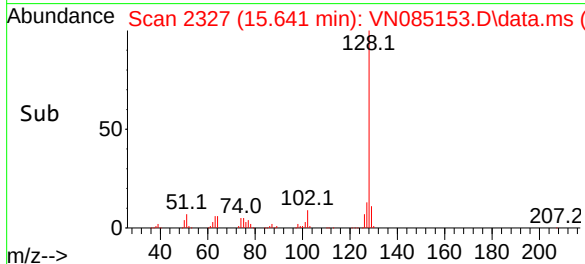
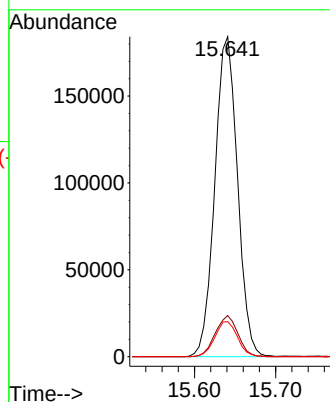
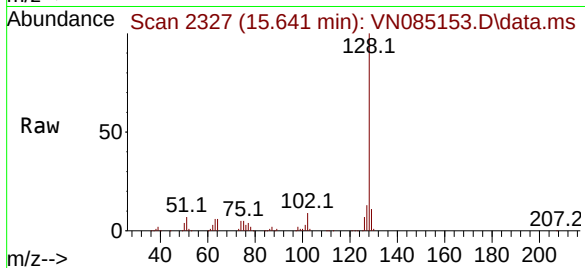
Tgt Ion:128 Resp: 357684

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

129 11.0 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 49.972 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Tgt Ion:180 Resp: 111098

Ion Ratio Lower Upper

180 100

182 94.8 46.4 139.2

145 35.5 17.3 52.0

