

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102924\  
 Data File : VN084552.D  
 Acq On : 29 Oct 2024 09:52  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Oct 30 04:56:53 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 01 07:11:01 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.218  | 168  | 161836   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 272446   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 241558   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 120545   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.571  | 65    | 114810   | 47.847   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 95.700%  |
| 35) Dibromofluoromethane    | 8.165  | 113   | 93711    | 52.174   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 104.340% |
| 50) Toluene-d8              | 10.565 | 98    | 324950   | 49.174   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 98.340%  |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 121413   | 50.433   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 100.860% |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 2.124 | 85  | 77635   | 40.556  | ug/l   | 94  |
| 3) Chloromethane             | 2.359 | 50  | 91385   | 41.809  | ug/l   | 98  |
| 4) Vinyl Chloride            | 2.518 | 62  | 92198   | 43.546  | ug/l   | 99  |
| 5) Bromomethane              | 2.906 | 94  | 44162   | 31.623  | ug/l   | 100 |
| 6) Chloroethane              | 3.077 | 64  | 59097   | 38.974  | ug/l   | 97  |
| 7) Trichlorofluoromethane    | 3.477 | 101 | 158716  | 48.141  | ug/l   | 99  |
| 8) Diethyl Ether             | 3.953 | 74  | 56827   | 46.474  | ug/l   | 99  |
| 9) 1,1,2-Trichlorotrifluo... | 4.353 | 101 | 92402   | 48.913  | ug/l   | 98  |
| 10) Methyl Iodide            | 4.577 | 142 | 113857  | 46.801  | ug/l   | 96  |
| 11) Tert butyl alcohol       | 5.530 | 59  | 77964   | 197.047 | ug/l   | 99  |
| 12) 1,1-Dichloroethene       | 4.330 | 96  | 85910   | 47.147  | ug/l   | 96  |
| 13) Acrolein                 | 4.171 | 56  | 93266   | 205.330 | ug/l   | 99  |
| 14) Allyl chloride           | 5.012 | 41  | 146548  | 46.309  | ug/l   | 92  |
| 15) Acrylonitrile            | 5.712 | 53  | 238761  | 238.963 | ug/l   | 100 |
| 16) Acetone                  | 4.424 | 43  | 227212  | 220.427 | ug/l   | 98  |
| 17) Carbon Disulfide         | 4.700 | 76  | 223328  | 38.711  | ug/l   | 98  |
| 18) Methyl Acetate           | 5.024 | 43  | 131433  | 58.501  | ug/l   | 99  |
| 19) Methyl tert-butyl Ether  | 5.794 | 73  | 300388  | 48.843  | ug/l   | 99  |
| 20) Methylene Chloride       | 5.271 | 84  | 100844  | 48.127  | ug/l   | 92  |
| 21) trans-1,2-Dichloroethene | 5.777 | 96  | 89832   | 47.056  | ug/l   | 95  |
| 22) Diisopropyl ether        | 6.665 | 45  | 320076  | 48.898  | ug/l   | 99  |
| 23) Vinyl Acetate            | 6.600 | 43  | 1146150 | 236.077 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 6.559 | 63  | 177971  | 48.618  | ug/l   | 98  |
| 25) 2-Butanone               | 7.483 | 43  | 319726  | 227.734 | ug/l   | 97  |
| 26) 2,2-Dichloropropane      | 7.483 | 77  | 160489  | 48.625  | ug/l   | 97  |
| 27) cis-1,2-Dichloroethene   | 7.483 | 96  | 112752  | 48.877  | ug/l   | 97  |
| 28) Bromochloromethane       | 7.806 | 49  | 73884   | 45.237  | ug/l   | 95  |
| 29) Tetrahydrofuran          | 7.836 | 42  | 204833  | 236.419 | ug/l   | 98  |
| 30) Chloroform               | 7.959 | 83  | 190614  | 50.130  | ug/l   | 98  |
| 31) Cyclohexane              | 8.253 | 56  | 147449  | 41.486  | ug/l   | 98  |
| 32) 1,1,1-Trichloroethane    | 8.165 | 97  | 168162  | 49.243  | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 8.365 | 75  | 124380  | 47.674  | ug/l   | 99  |
| 37) Ethyl Acetate            | 7.559 | 43  | 126873  | 47.402  | ug/l   | 99  |
| 38) Carbon Tetrachloride     | 8.359 | 117 | 144457  | 50.476  | ug/l   | 97  |
| 39) Methylcyclohexane        | 9.600 | 83  | 131669  | 45.346  | ug/l   | 97  |
| 40) Benzene                  | 8.600 | 78  | 408345  | 50.236  | ug/l   | 97  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102924\  
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 Acq On : 29 Oct 2024 09:52  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Oct 30 04:56:53 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 01 07:11:01 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.777  | 41   | 69915    | 48.115  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 8.665  | 62   | 138677   | 50.324  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 222165   | 42.377  | ug/l   | 99       |
| 44) Trichloroethene           | 9.347  | 130  | 88964    | 46.860  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.618  | 63   | 102945   | 53.536  | ug/l   | 99       |
| 46) Dibromomethane            | 9.706  | 93   | 70852    | 54.600  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.888  | 83   | 149982   | 52.023  | ug/l # | 99       |
| 48) Methyl methacrylate       | 9.677  | 41   | 98185    | 47.048  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 35556    | 925.440 | ug/l # | 78       |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43   | 638985   | 250.782 | ug/l   | 99       |
| 52) Toluene                   | 10.629 | 92   | 254764   | 51.397  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 149192   | 50.767  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 160296   | 50.710  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 11.012 | 97   | 98153    | 55.236  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.871 | 69   | 151125   | 51.685  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 11.159 | 76   | 163805   | 51.589  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 368262   | 271.502 | ug/l   | 98       |
| 59) 2-Hexanone                | 11.194 | 43   | 476443   | 250.182 | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.359 | 129  | 114866   | 54.710  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.465 | 107  | 94676    | 51.275  | ug/l   | 98       |
| 64) Tetrachloroethene         | 11.100 | 164  | 78628    | 46.733  | ug/l   | 99       |
| 65) Chlorobenzene             | 11.888 | 112  | 267791   | 49.999  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 96907    | 52.530  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.959 | 91   | 473667   | 50.008  | ug/l   | 100      |
| 68) m/p-Xylenes               | 12.071 | 106  | 366775   | 104.683 | ug/l   | 97       |
| 69) o-Xylene                  | 12.394 | 106  | 174340   | 52.593  | ug/l   | 98       |
| 70) Styrene                   | 12.406 | 104  | 297716   | 53.023  | ug/l   | 99       |
| 71) Bromoform                 | 12.576 | 173  | 73376    | 54.025  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.694 | 105  | 438150   | 47.632  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.494 | 43   | 185495   | 44.532  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 136022   | 49.177  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.988 | 75   | 177012   | 71.928  | ug/l   | 60       |
| 77) Bromobenzene              | 12.976 | 156  | 108750   | 49.012  | ug/l   | 95       |
| 78) n-propylbenzene           | 13.035 | 91   | 517481   | 48.555  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 321047   | 47.208  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 377923   | 50.366  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 47737    | 46.505  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 13.218 | 91   | 323939   | 47.318  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.435 | 119  | 307849   | 46.160  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 379707   | 50.233  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.612 | 105  | 431903   | 48.531  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 360118   | 48.935  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 196718   | 47.259  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 197253   | 46.925  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.053 | 91   | 299237   | 44.844  | ug/l   | 100      |
| 90) Hexachloroethane          | 14.329 | 117  | 69556    | 46.564  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 197983   | 48.507  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 27586    | 48.330  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180  | 93393    | 46.455  | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 43987    | 43.874  | ug/l   | 99       |
| 95) Naphthalene               | 15.641 | 128  | 310156   | 46.537  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 98924    | 49.157  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102924\  
Data File : VN084552.D  
Acq On : 29 Oct 2024 09:52  
Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

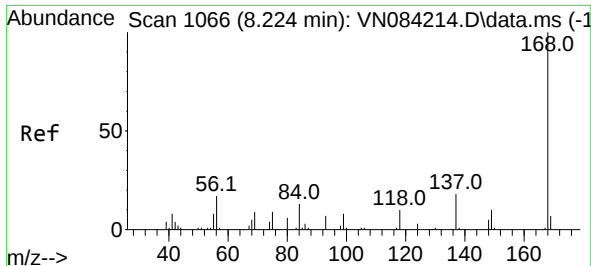
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 01 07:11:01 2024  
Response via : Initial Calibration

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

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

Quant Time: Oct 30 04:56:53 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 01 07:11:01 2024  
Response via : Initial Calibration

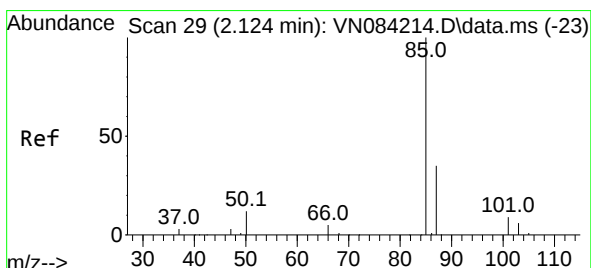
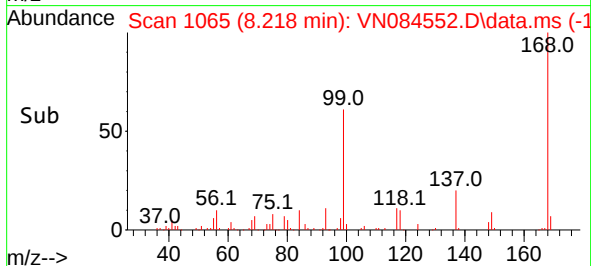
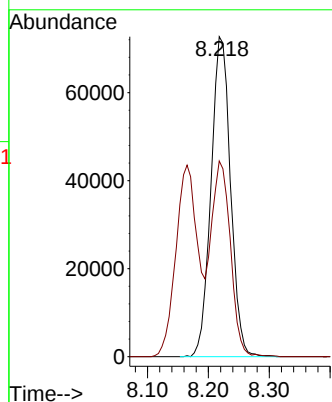
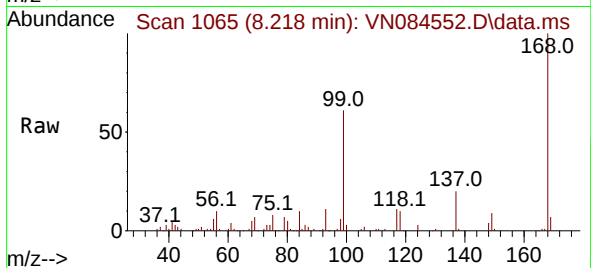




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.006 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

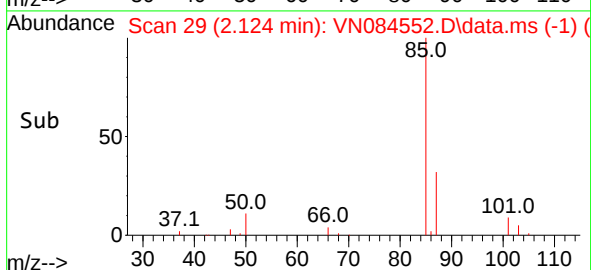
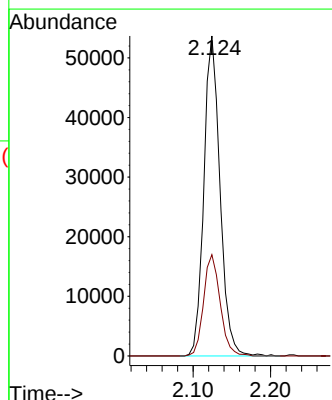
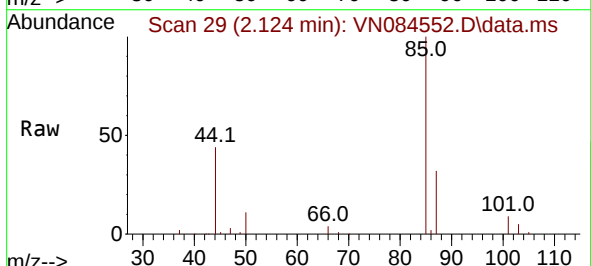
Instrument :  
MSVOA\_N  
ClientSampleId :

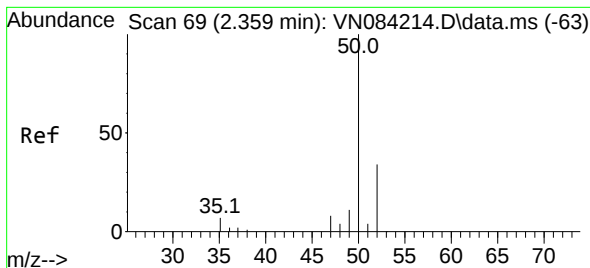
Tgt Ion:168 Resp: 161836  
Ion Ratio Lower Upper  
168 100  
99 61.2 54.2 81.2



#2  
Dichlorodifluoromethane  
Concen: 40.556 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

Tgt Ion: 85 Resp: 77635  
Ion Ratio Lower Upper  
85 100  
87 31.7 17.6 52.9





#3

Chloromethane

Concen: 41.809 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN084552.D

Acq: 29 Oct 2024 09:52

Instrument :

MSVOA\_N

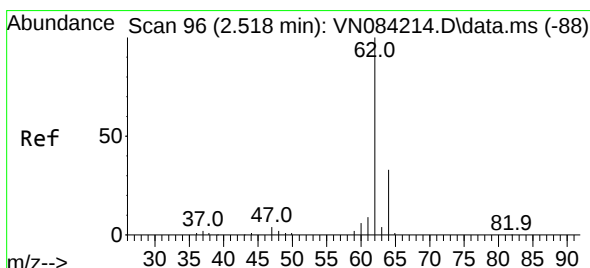
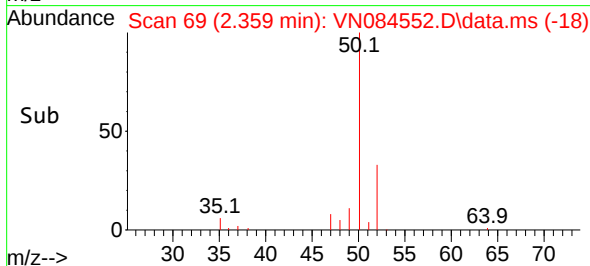
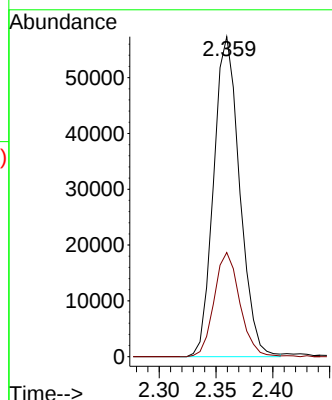
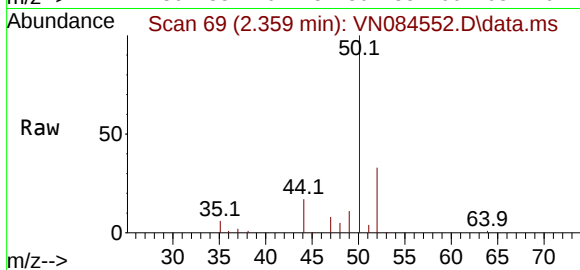
ClientSampleId :

Tgt Ion: 50 Resp: 91385

Ion Ratio Lower Upper

50 100

52 32.5 26.8 40.2



#4

Vinyl Chloride

Concen: 43.546 ug/l

RT: 2.518 min Scan# 96

Delta R.T. 0.000 min

Lab File: VN084552.D

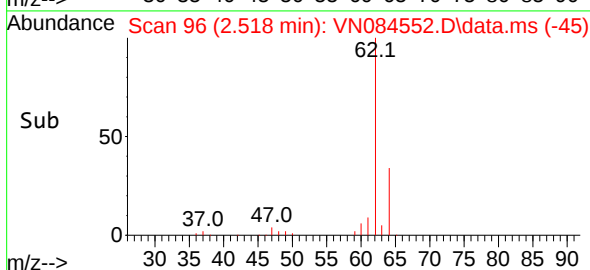
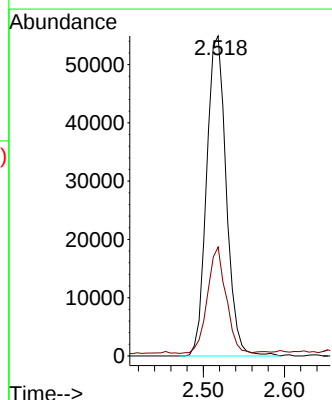
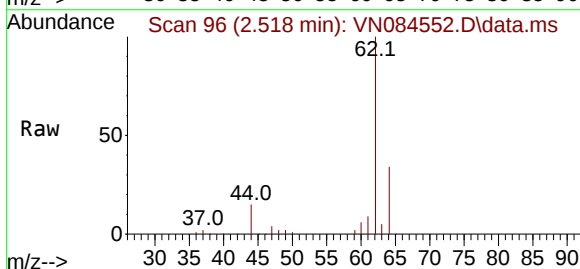
Acq: 29 Oct 2024 09:52

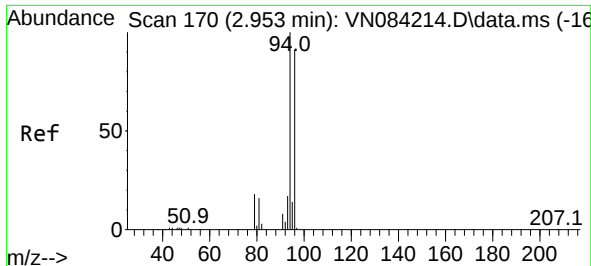
Tgt Ion: 62 Resp: 92198

Ion Ratio Lower Upper

62 100

64 33.3 26.2 39.4

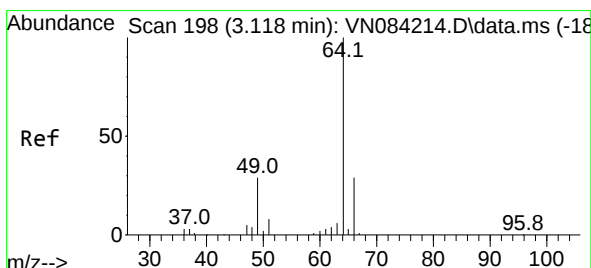
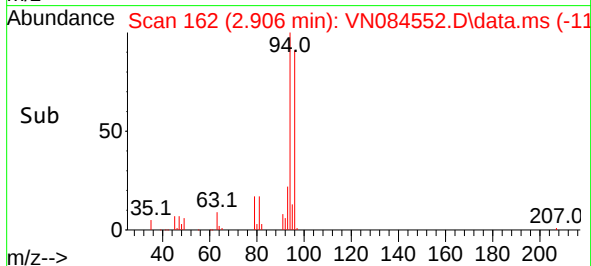
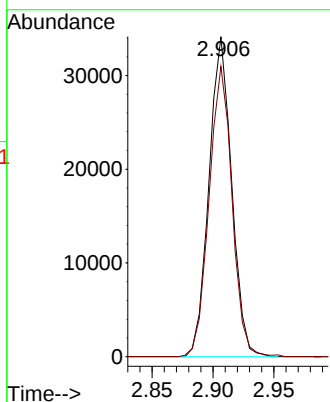
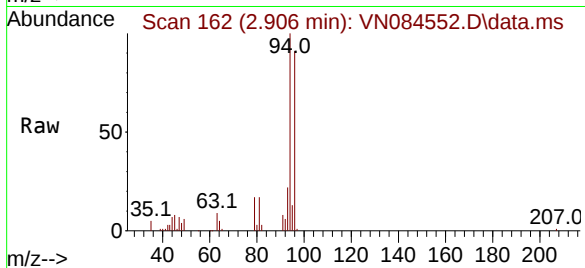




#5  
Bromomethane  
Concen: 31.623 ug/l  
RT: 2.906 min Scan# 11  
Delta R.T. -0.047 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

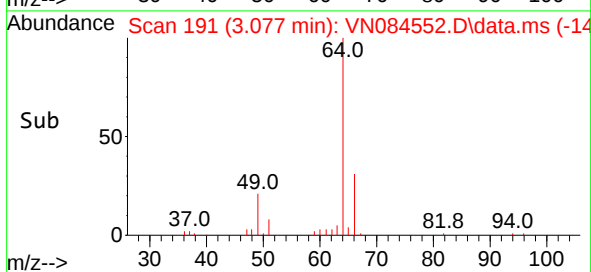
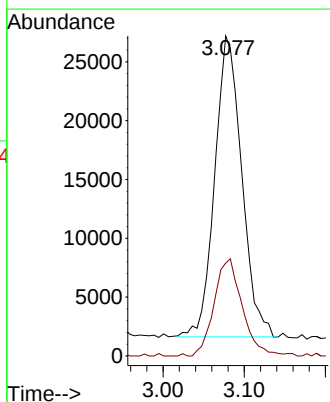
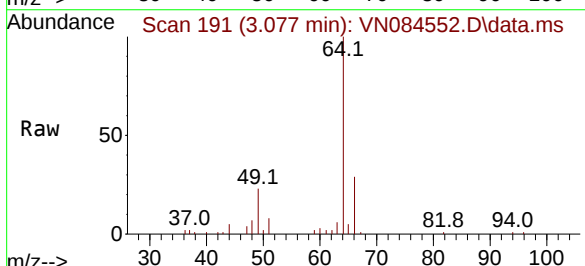
Instrument :  
MSVOA\_N  
ClientSampleId :

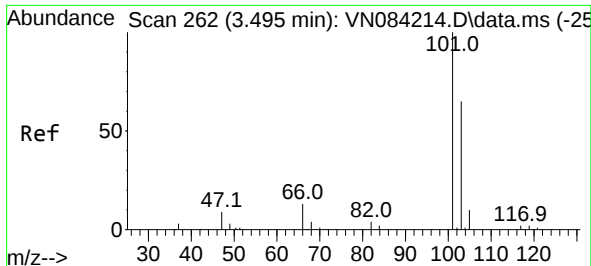
Tgt Ion: 94 Resp: 44162  
Ion Ratio Lower Upper  
94 100  
96 90.7 72.9 109.3



#6  
Chloroethane  
Concen: 38.974 ug/l  
RT: 3.077 min Scan# 191  
Delta R.T. -0.041 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

Tgt Ion: 64 Resp: 59097  
Ion Ratio Lower Upper  
64 100  
66 30.9 23.5 35.3

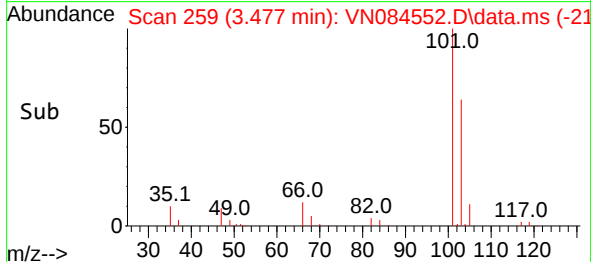
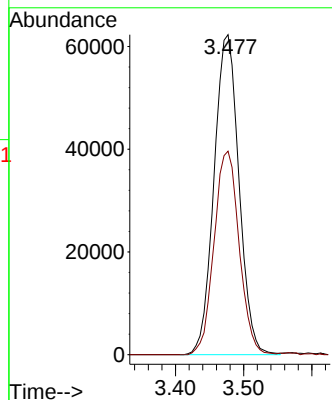
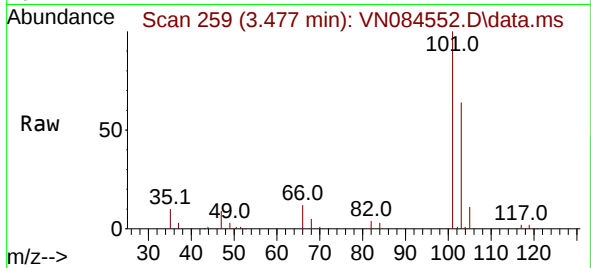




#7  
 Trichlorofluoromethane  
 Concen: 48.141 ug/l  
 RT: 3.477 min Scan# 21  
 Delta R.T. -0.018 min  
 Lab File: VN084552.D  
 Acq: 29 Oct 2024 09:52

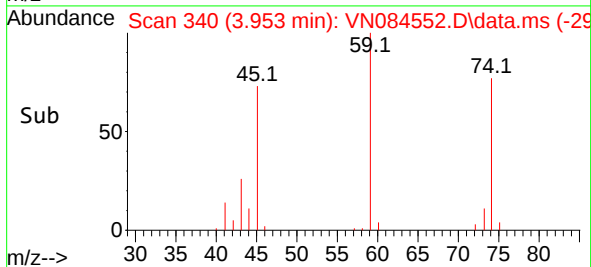
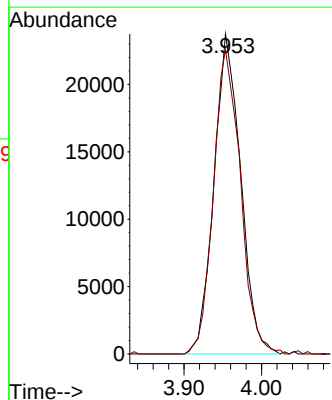
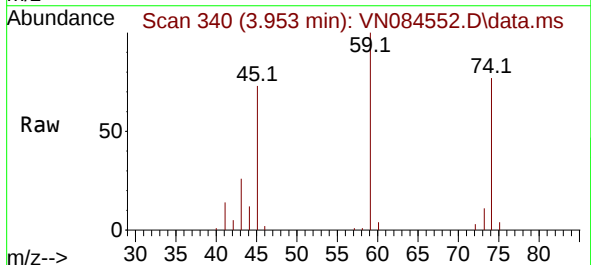
Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tgt Ion:101 Resp: 158716  
 Ion Ratio Lower Upper  
 101 100  
 103 63.6 51.8 77.6



#8  
 Diethyl Ether  
 Concen: 46.474 ug/l  
 RT: 3.953 min Scan# 340  
 Delta R.T. -0.006 min  
 Lab File: VN084552.D  
 Acq: 29 Oct 2024 09:52

Tgt Ion: 74 Resp: 56827  
 Ion Ratio Lower Upper  
 74 100  
 45 96.4 47.7 143.1

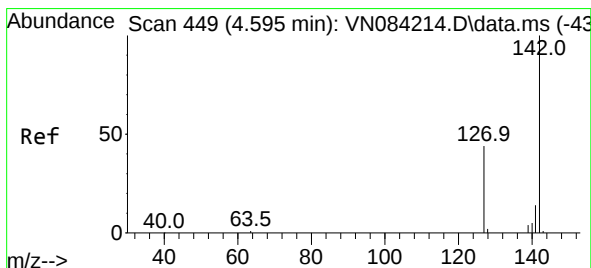
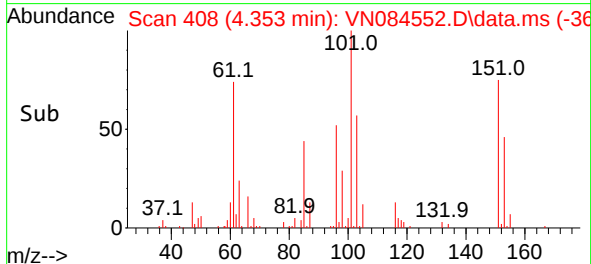
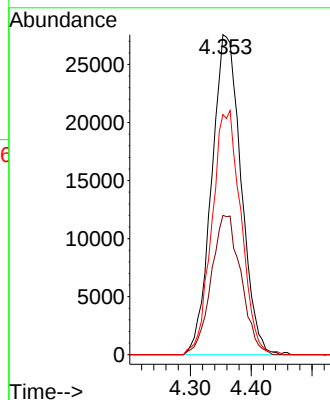
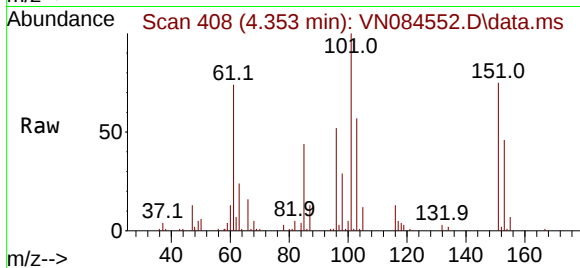




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 48.913 ug/l  
RT: 4.353 min Scan# 408  
Delta R.T. -0.018 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

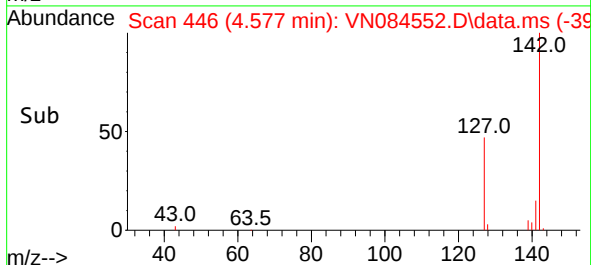
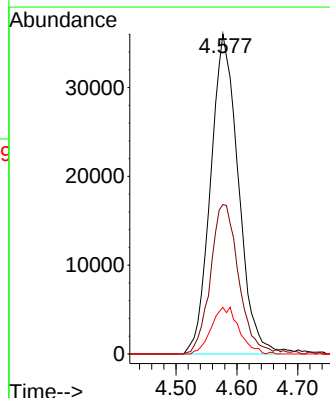
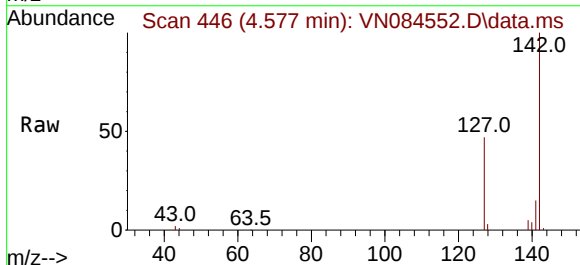
Instrument :  
MSVOA\_N  
ClientSampleId :

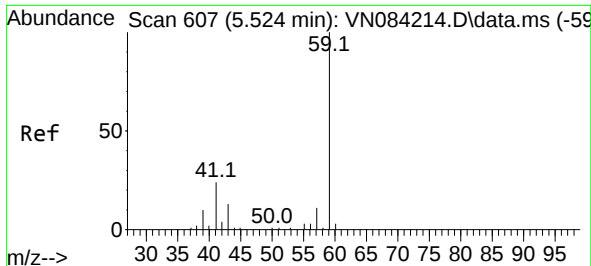
Tgt Ion:101 Resp: 92402  
Ion Ratio Lower Upper  
101 100  
85 44.1 36.2 54.4  
151 75.3 59.3 88.9



#10  
Methyl Iodide  
Concen: 46.801 ug/l  
RT: 4.577 min Scan# 446  
Delta R.T. -0.018 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

Tgt Ion:142 Resp: 113857  
Ion Ratio Lower Upper  
142 100  
127 46.7 35.3 52.9  
141 14.5 11.0 16.6

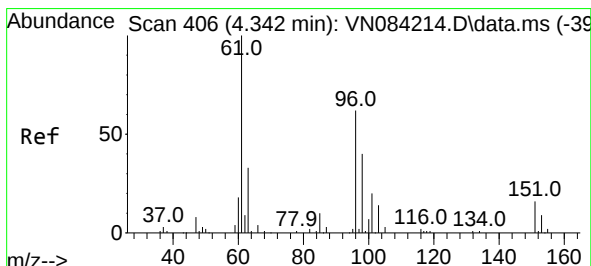
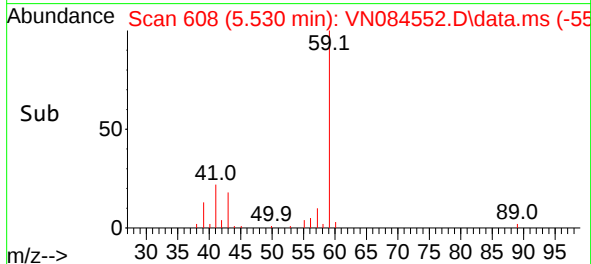
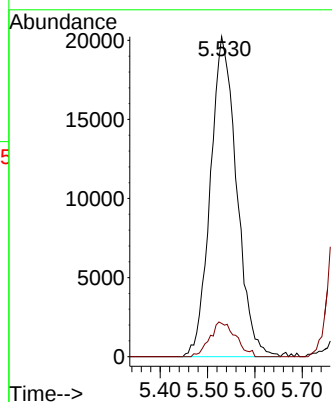
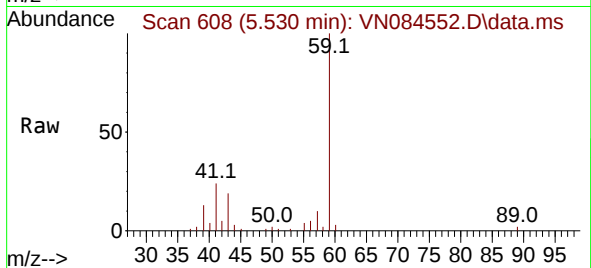




#11  
Tert butyl alcohol  
Concen: 197.047 ug/l  
RT: 5.530 min Scan# 607  
Delta R.T. 0.006 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

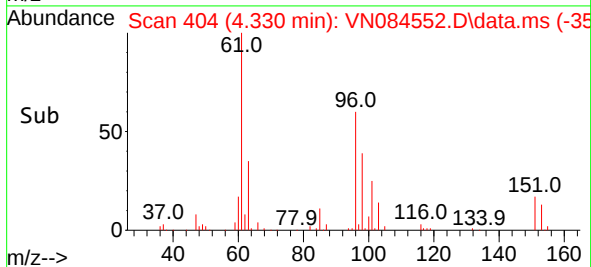
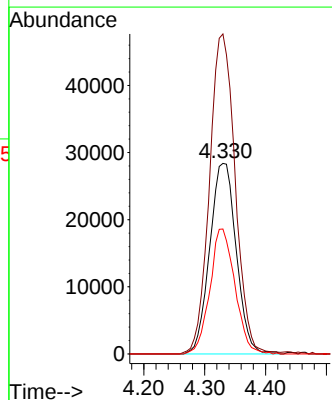
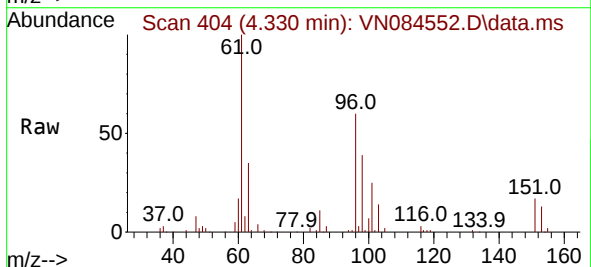
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 59 Resp: 77964  
Ion Ratio Lower Upper  
59 100  
57 10.7 8.2 12.2



#12  
1,1-Dichloroethene  
Concen: 47.147 ug/l  
RT: 4.330 min Scan# 404  
Delta R.T. -0.012 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

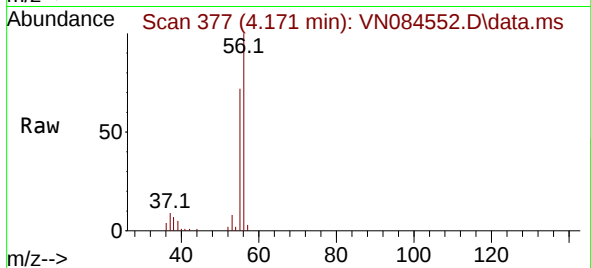
Tgt Ion: 96 Resp: 85910  
Ion Ratio Lower Upper  
96 100  
61 167.9 128.6 192.8  
98 65.6 51.7 77.5



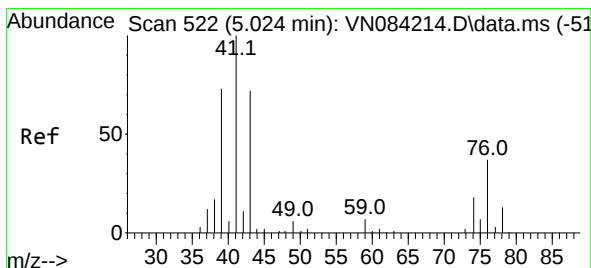
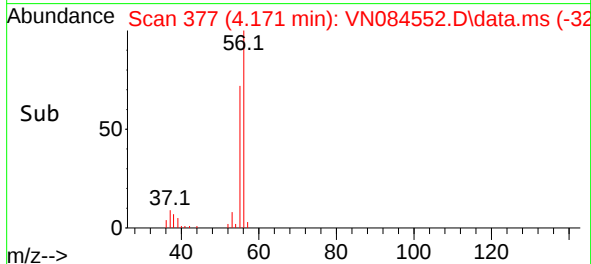
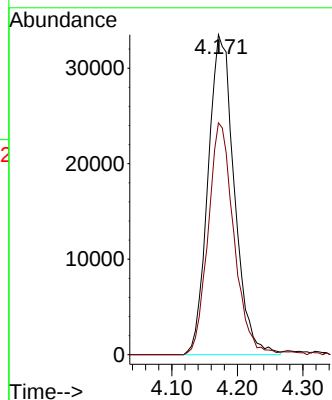


#13  
Acrolein  
Concen: 205.330 ug/l  
RT: 4.171 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

Instrument :  
MSVOA\_N  
ClientSampleId :

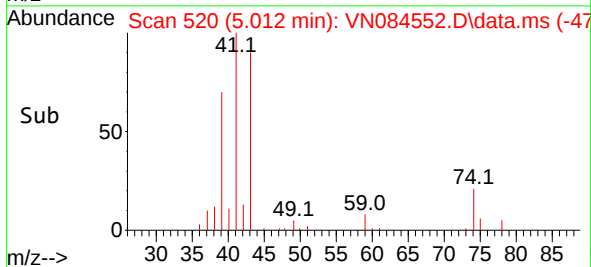
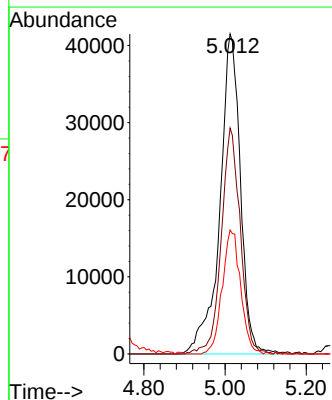
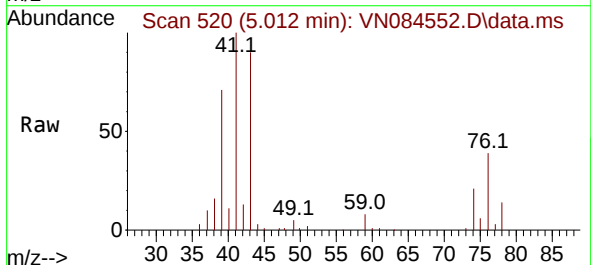


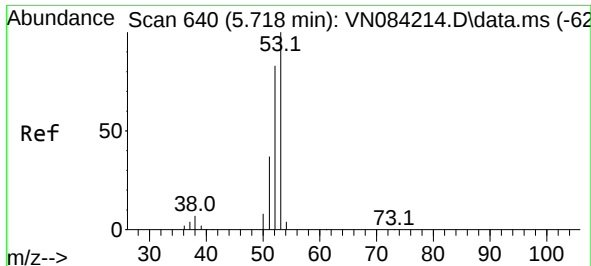
Tgt Ion: 56 Resp: 93266  
Ion Ratio Lower Upper  
56 100  
55 70.9 57.2 85.8



#14  
Allyl chloride  
Concen: 46.309 ug/l  
RT: 5.012 min Scan# 520  
Delta R.T. -0.012 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

Tgt Ion: 41 Resp: 146548  
Ion Ratio Lower Upper  
41 100  
39 65.0 59.0 88.6  
76 34.5 29.8 44.6

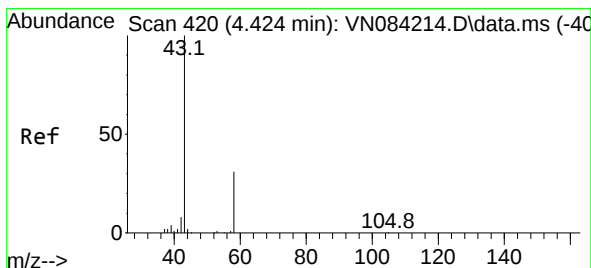
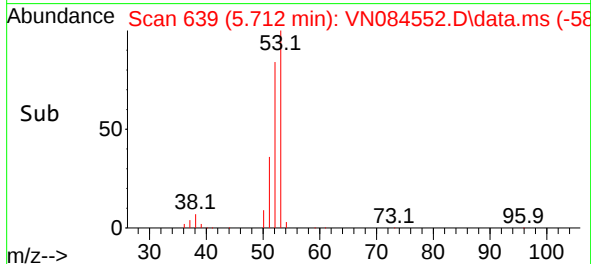
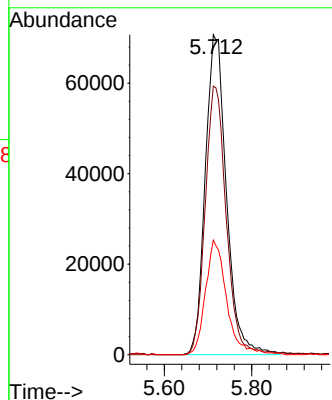
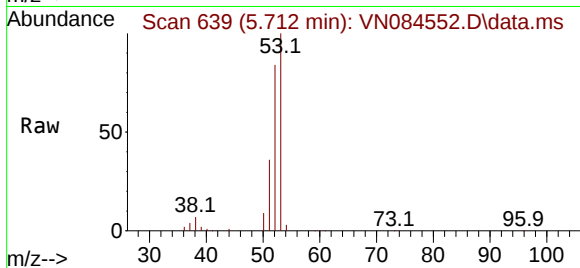




#15  
Acrylonitrile  
Concen: 238.963 ug/l  
RT: 5.712 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

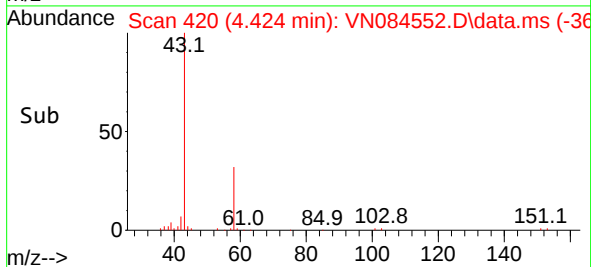
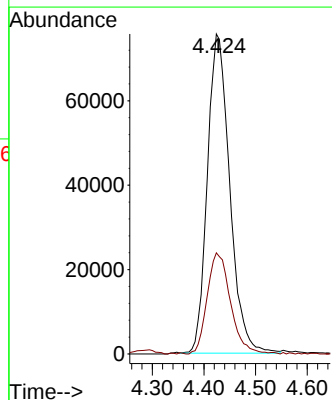
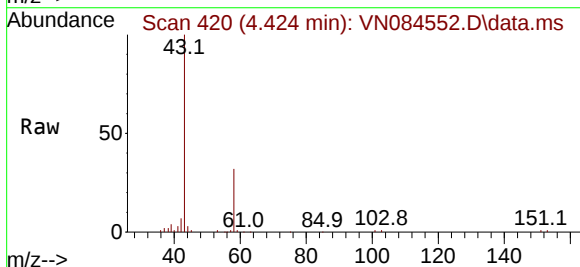
Instrument :  
MSVOA\_N  
ClientSampleId :

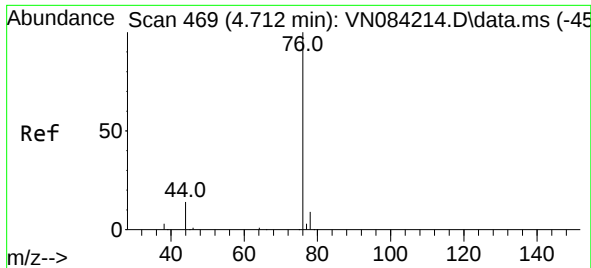
Tgt Ion: 53 Resp: 238761  
Ion Ratio Lower Upper  
53 100  
52 82.6 66.2 99.4  
51 35.7 28.8 43.2



#16  
Acetone  
Concen: 220.427 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. 0.000 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

Tgt Ion: 43 Resp: 227212  
Ion Ratio Lower Upper  
43 100  
58 31.7 24.4 36.6

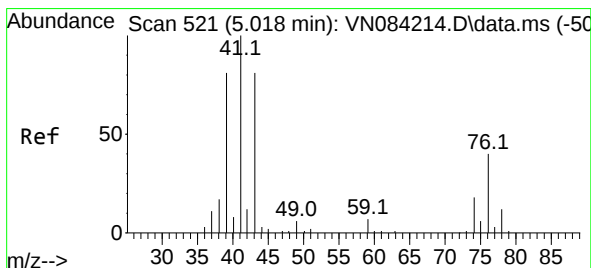
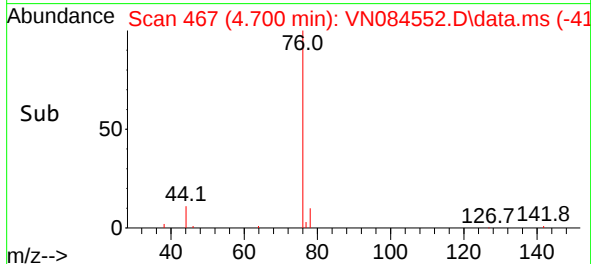
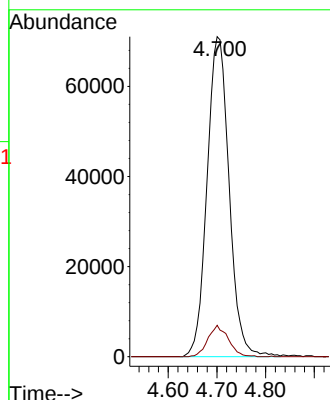
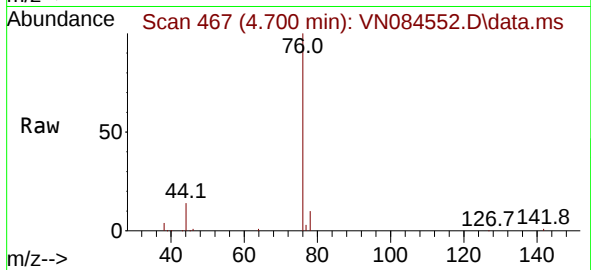




#17  
Carbon Disulfide  
Concen: 38.711 ug/l  
RT: 4.700 min Scan# 41  
Delta R.T. -0.012 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

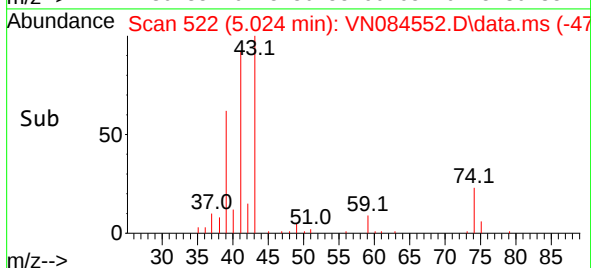
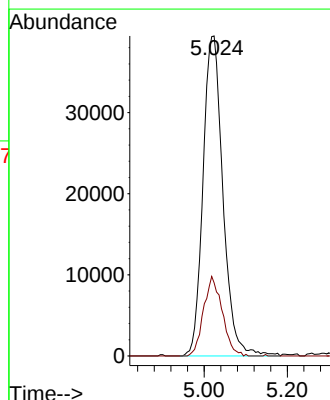
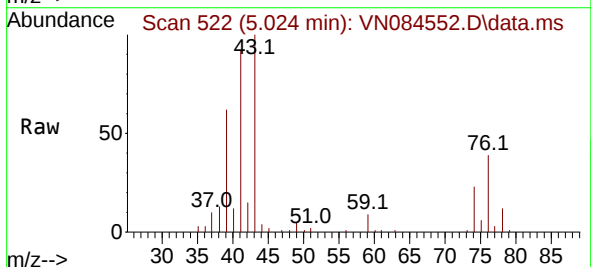
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 76 Resp: 223328  
Ion Ratio Lower Upper  
76 100  
78 9.8 7.3 10.9



#18  
Methyl Acetate  
Concen: 58.501 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.006 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

Tgt Ion: 43 Resp: 131433  
Ion Ratio Lower Upper  
43 100  
74 23.3 19.2 28.8

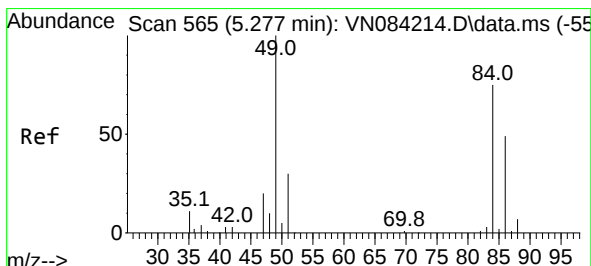
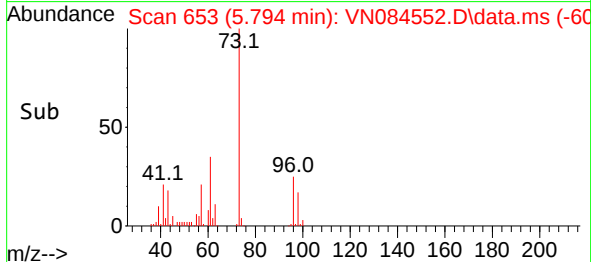
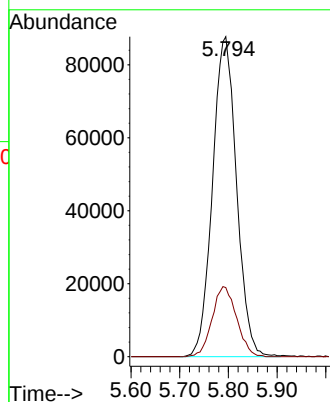
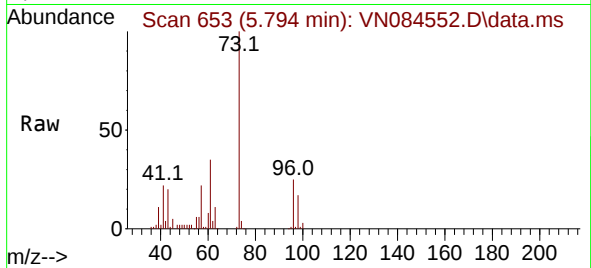




#19  
Methyl tert-butyl Ether  
Concen: 48.843 ug/l  
RT: 5.794 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

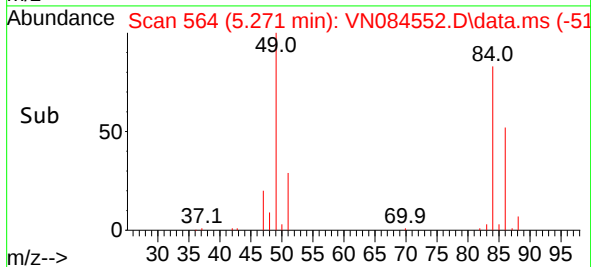
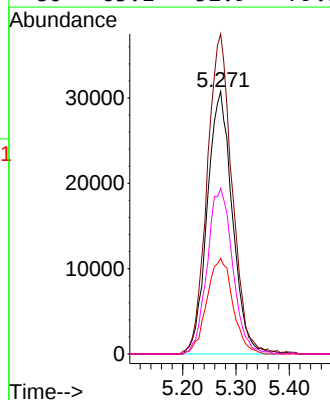
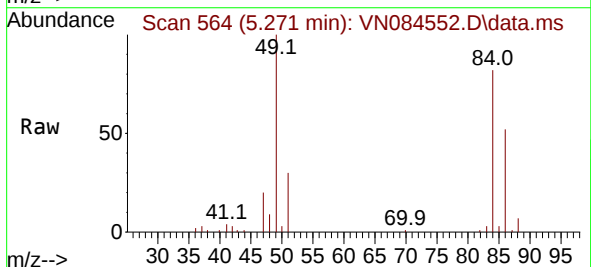
Instrument :  
MSVOA\_N  
ClientSampleId :

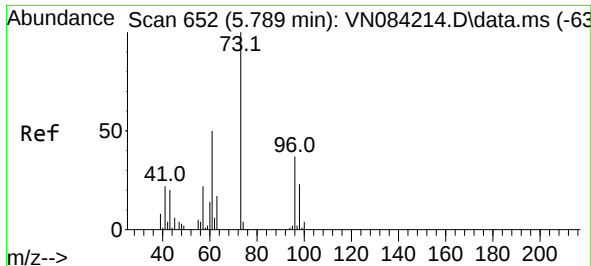
Tgt Ion: 73 Resp: 300388  
Ion Ratio Lower Upper  
73 100  
57 21.6 17.7 26.5



#20  
Methylene Chloride  
Concen: 48.127 ug/l  
RT: 5.271 min Scan# 564  
Delta R.T. -0.006 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

Tgt Ion: 84 Resp: 100844  
Ion Ratio Lower Upper  
84 100  
49 121.9 107.2 160.8  
51 36.4 31.8 47.8  
86 63.1 52.9 79.3

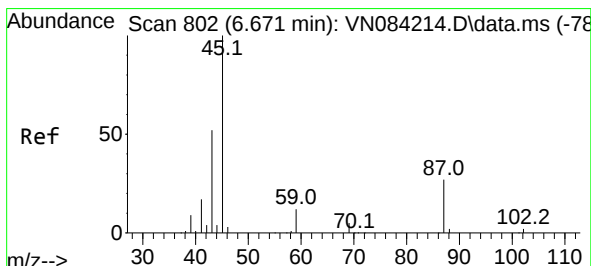
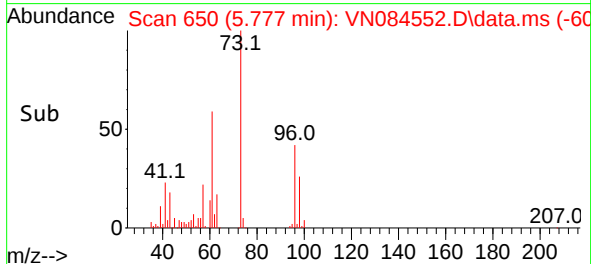
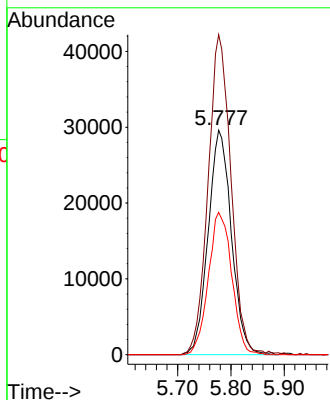
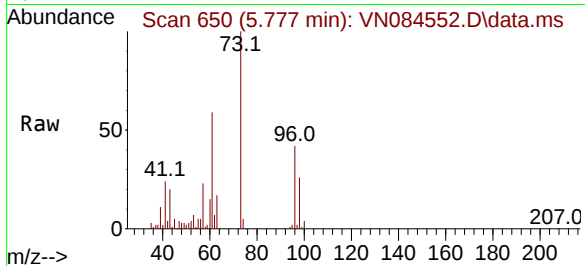




#21  
trans-1,2-Dichloroethene  
Concen: 47.056 ug/l  
RT: 5.777 min Scan# 61  
Delta R.T. -0.012 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

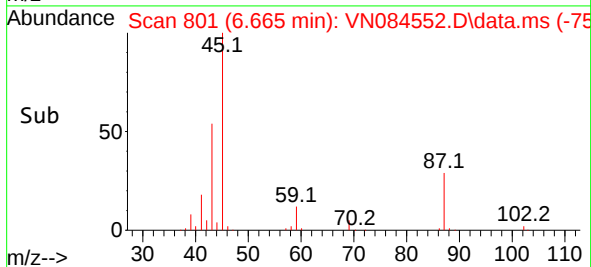
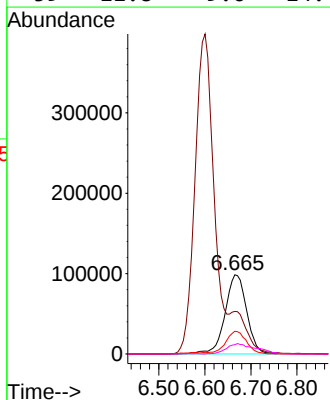
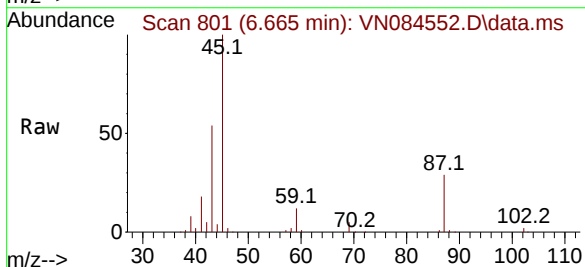
Instrument :  
MSVOA\_N  
ClientSampleId :

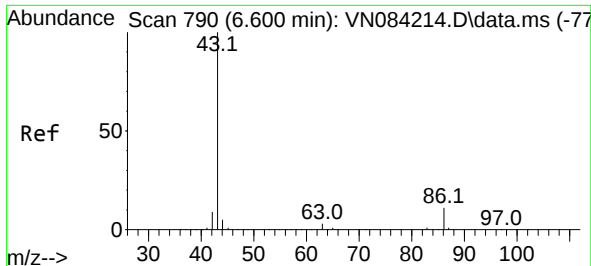
Tgt Ion: 96 Resp: 89832  
Ion Ratio Lower Upper  
96 100  
61 142.6 108.4 162.6  
98 63.5 49.8 74.8



#22  
Diisopropyl ether  
Concen: 48.898 ug/l  
RT: 6.665 min Scan# 801  
Delta R.T. -0.006 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

Tgt Ion: 45 Resp: 320076  
Ion Ratio Lower Upper  
45 100  
43 52.1 42.3 63.5  
87 28.4 21.8 32.6  
59 11.8 9.6 14.4

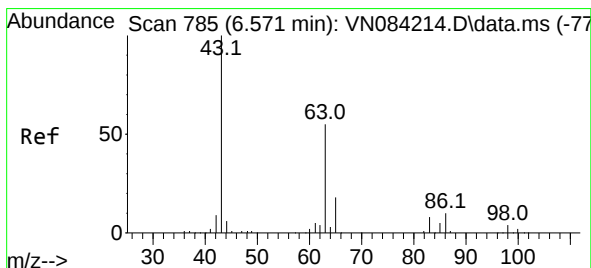
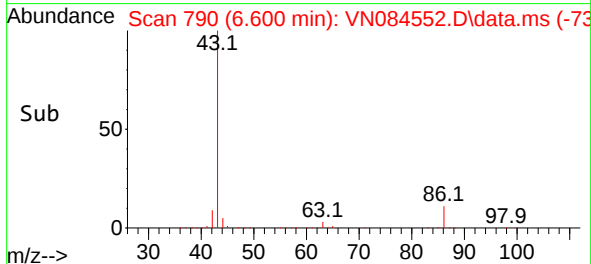
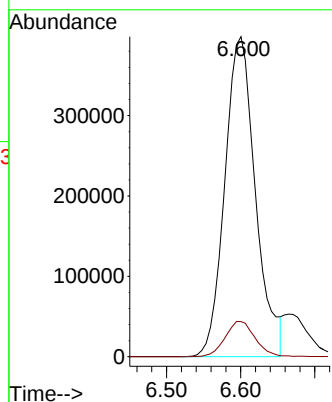
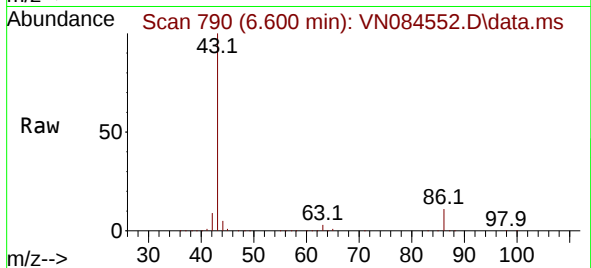




#23  
 Vinyl Acetate  
 Concen: 236.077 ug/l  
 RT: 6.600 min Scan# 790  
 Delta R.T. 0.000 min  
 Lab File: VN084552.D  
 Acq: 29 Oct 2024 09:52

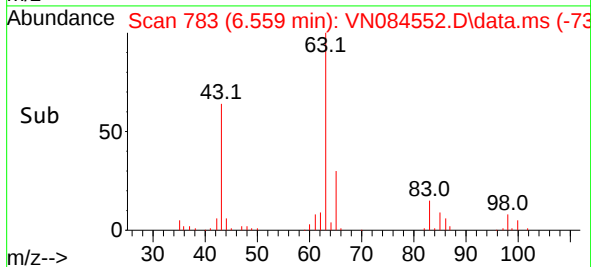
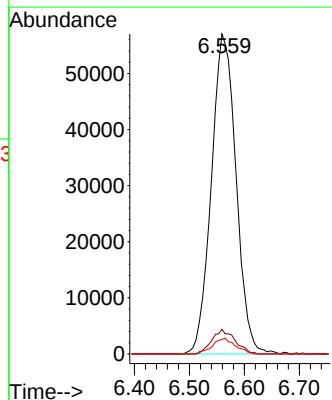
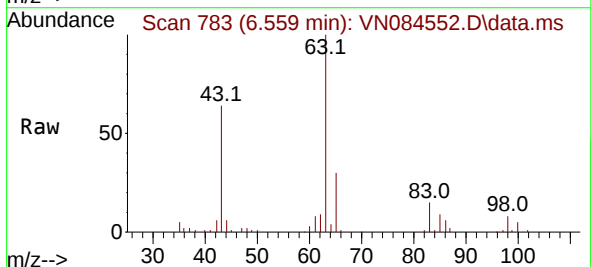
Instrument :  
 MSVOA\_N  
 ClientSampleId :

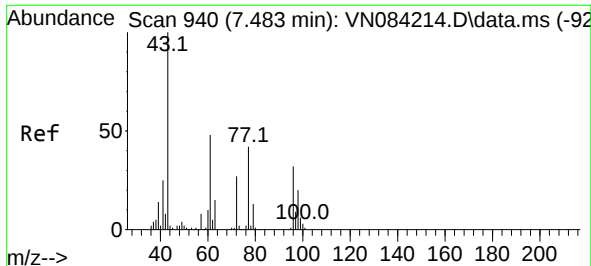
Tgt Ion: 43 Resp: 1146150  
 Ion Ratio Lower Upper  
 43 100  
 86 10.9 8.6 12.8



#24  
 1,1-Dichloroethane  
 Concen: 48.618 ug/l  
 RT: 6.559 min Scan# 783  
 Delta R.T. -0.012 min  
 Lab File: VN084552.D  
 Acq: 29 Oct 2024 09:52

Tgt Ion: 63 Resp: 177971  
 Ion Ratio Lower Upper  
 63 100  
 98 7.7 3.4 10.2  
 100 4.5 2.0 5.8

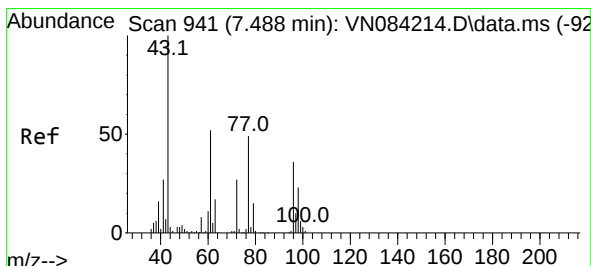
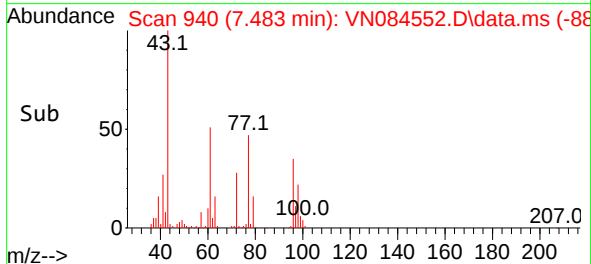
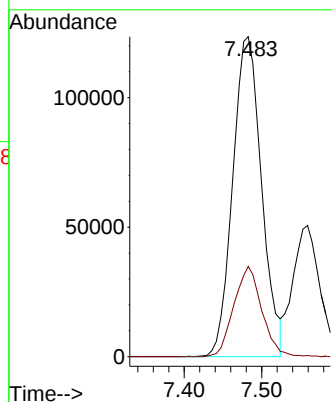
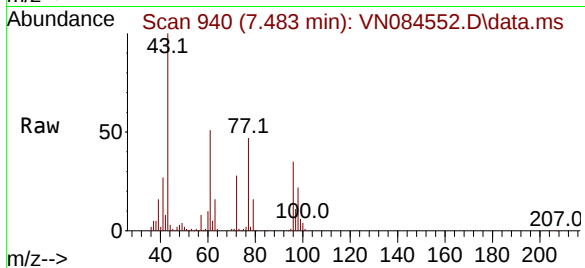




#25  
2-Butanone  
Concen: 227.734 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.000 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

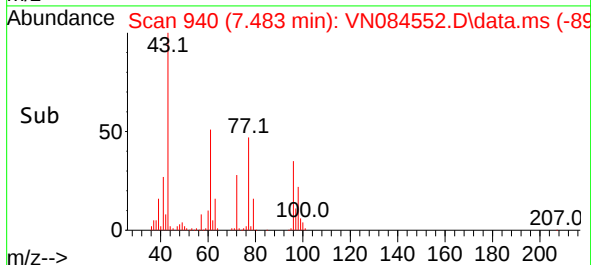
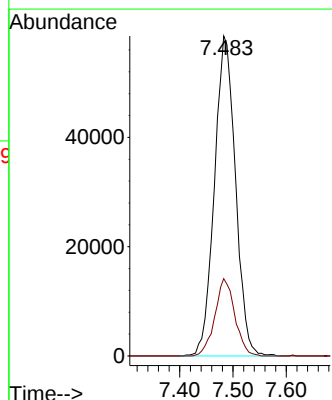
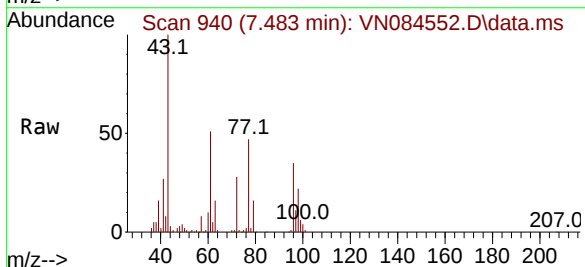
Instrument :  
MSVOA\_N  
ClientSampleId :

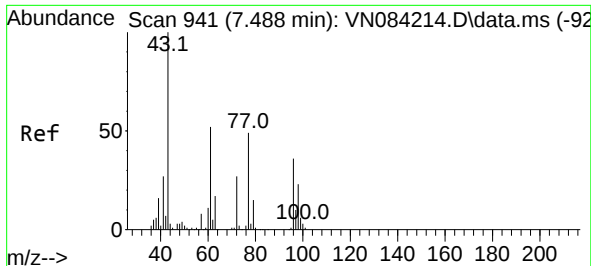
Tgt Ion: 43 Resp: 319726  
Ion Ratio Lower Upper  
43 100  
72 28.2 21.4 32.2



#26  
2,2-Dichloropropane  
Concen: 48.625 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. -0.006 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

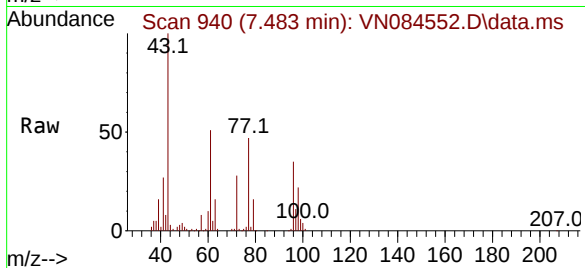
Tgt Ion: 77 Resp: 160489  
Ion Ratio Lower Upper  
77 100  
97 22.9 10.8 32.3





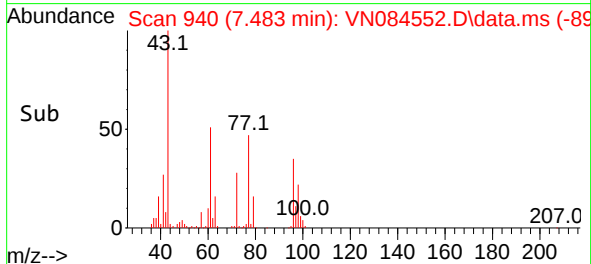
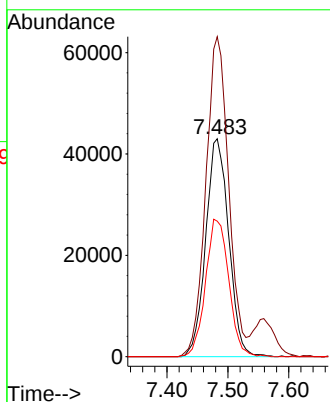
#27  
 cis-1,2-Dichloroethene  
 Concen: 48.877 ug/l  
 RT: 7.483 min Scan# 941  
 Delta R.T. -0.006 min  
 Lab File: VN084552.D  
 Acq: 29 Oct 2024 09:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :



Tgt Ion: 96 Resp: 112752  

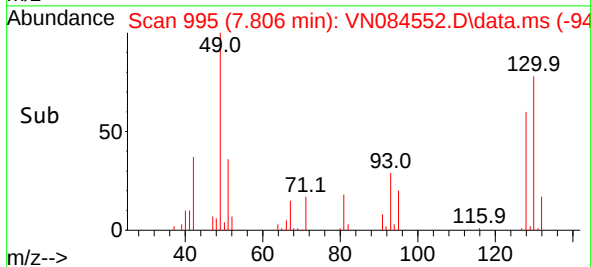
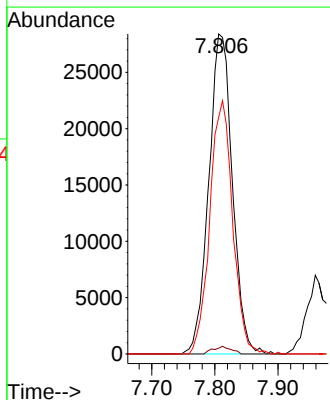
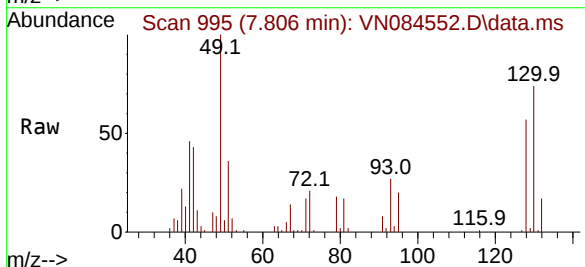
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 144.9 | 0.0   | 301.8 |
| 98  | 64.0  | 0.0   | 128.2 |



#28  
 Bromochloromethane  
 Concen: 45.237 ug/l  
 RT: 7.806 min Scan# 995  
 Delta R.T. -0.006 min  
 Lab File: VN084552.D  
 Acq: 29 Oct 2024 09:52

Tgt Ion: 49 Resp: 73884  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 1.8   | 0.0   | 3.6   |
| 130 | 76.4  | 58.0  | 87.0  |





#29

Tetrahydrofuran

Concen: 236.419 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VN084552.D

Acq: 29 Oct 2024 09:52

Instrument :

MSVOA\_N

ClientSampleId :

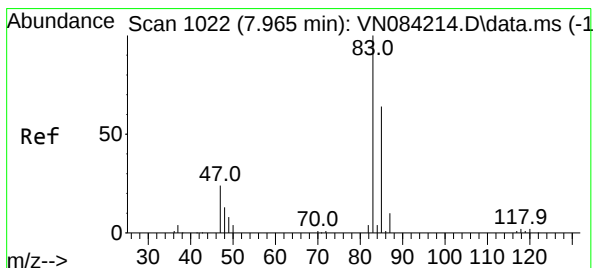
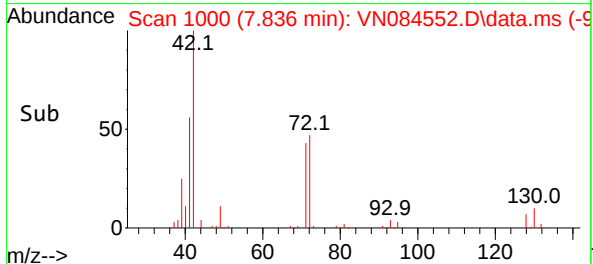
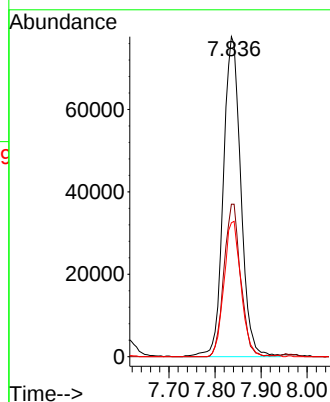
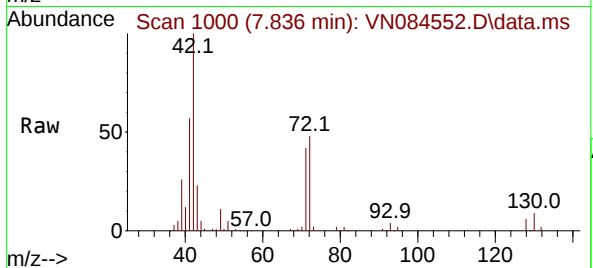
Tgt Ion: 42 Resp: 204833

Ion Ratio Lower Upper

42 100

72 45.3 34.6 51.8

71 41.1 32.2 48.4



#30

Chloroform

Concen: 50.130 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VN084552.D

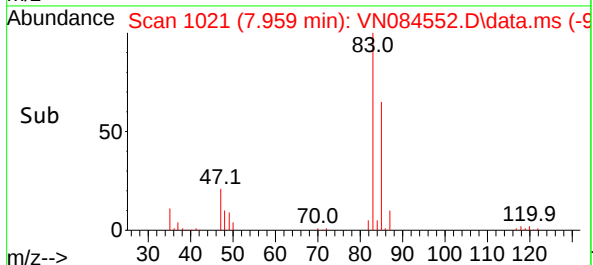
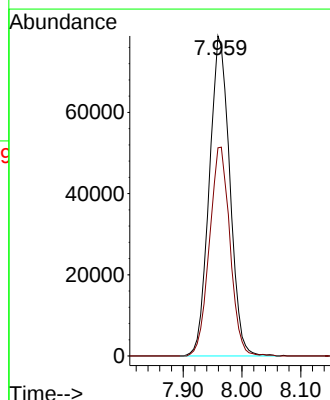
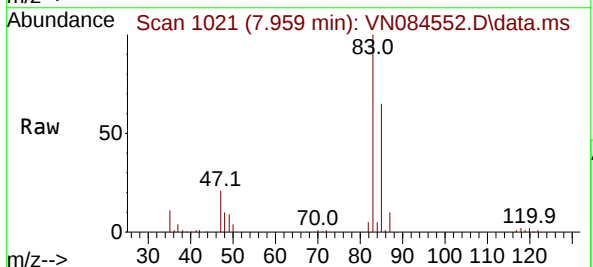
Acq: 29 Oct 2024 09:52

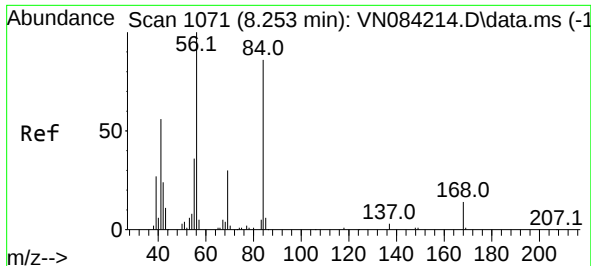
Tgt Ion: 83 Resp: 190614

Ion Ratio Lower Upper

83 100

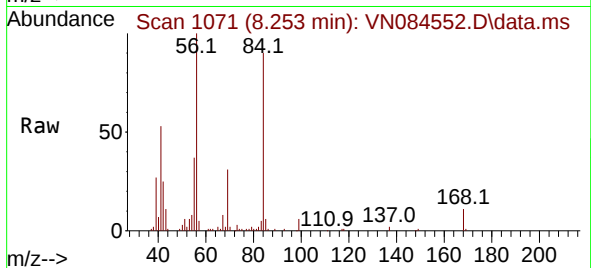
85 65.1 51.0 76.4



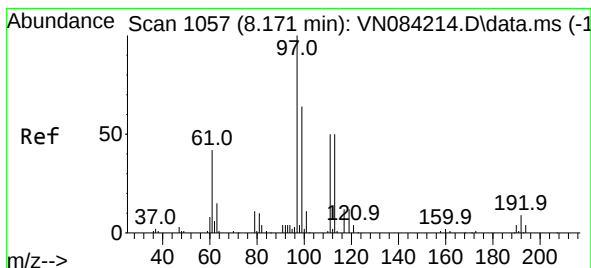
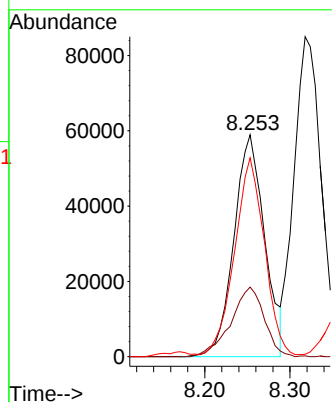
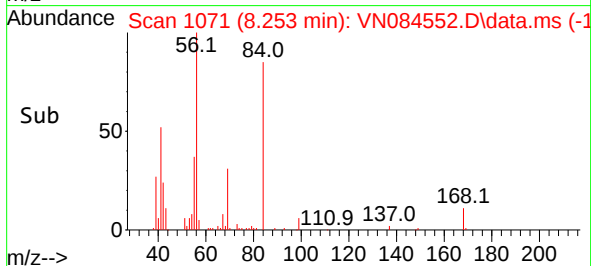


#31  
Cyclohexane  
Concen: 41.486 ug/l  
RT: 8.253 min Scan# 1071  
Delta R.T. 0.000 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

Instrument :  
MSVOA\_N  
ClientSampleId :

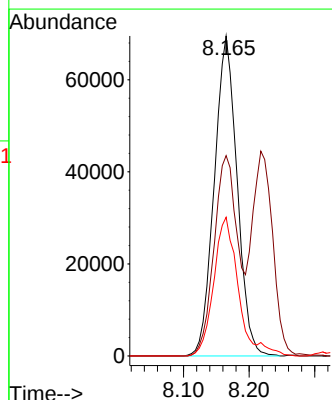
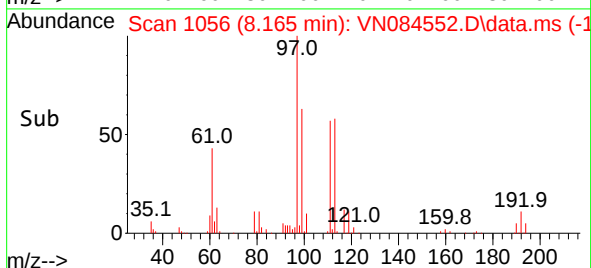
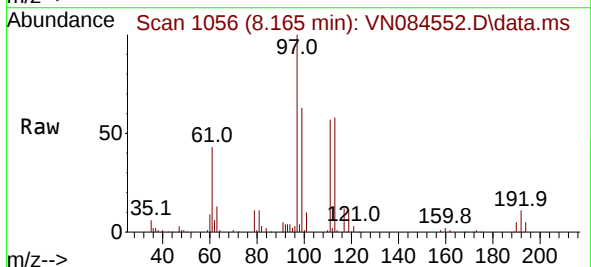


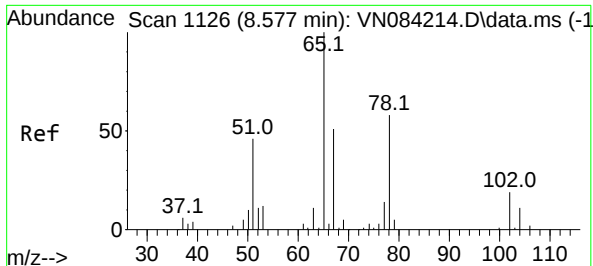
Tgt Ion: 56 Resp: 147449  
Ion Ratio Lower Upper  
56 100  
69 31.3 23.8 35.6  
84 87.4 68.8 103.2



#32  
1,1,1-Trichloroethane  
Concen: 49.243 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.006 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

Tgt Ion: 97 Resp: 168162  
Ion Ratio Lower Upper  
97 100  
99 65.8 51.2 76.8  
61 46.7 37.5 56.3





#33

1,2-Dichloroethane-d4

Concen: 47.847 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VN084552.D

Acq: 29 Oct 2024 09:52

Instrument :

MSVOA\_N

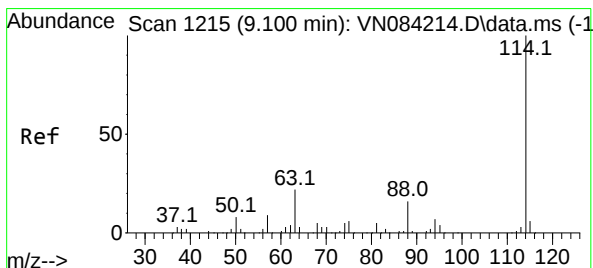
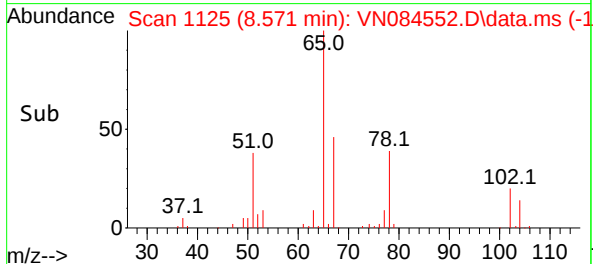
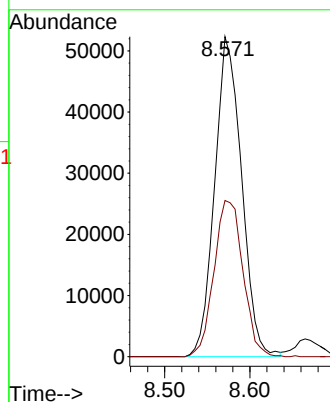
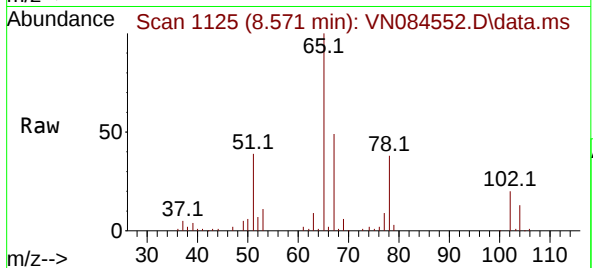
ClientSampleId :

Tgt Ion: 65 Resp: 114810

Ion Ratio Lower Upper

65 100

67 52.6 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084552.D

Acq: 29 Oct 2024 09:52

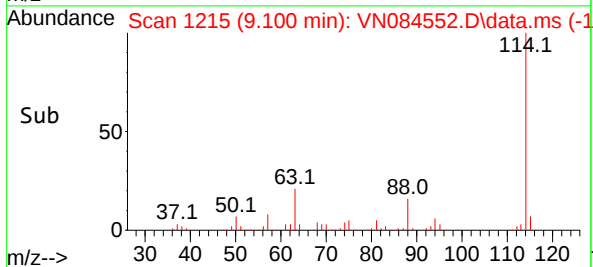
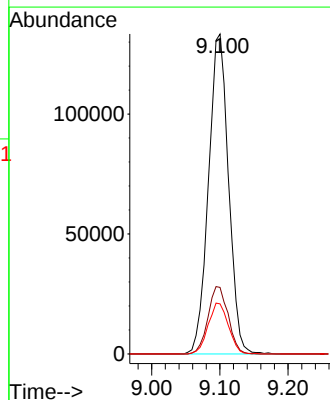
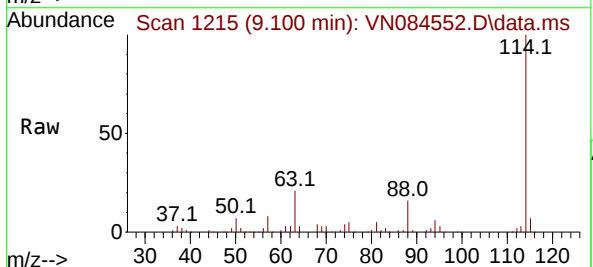
Tgt Ion: 114 Resp: 272446

Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.8

88 15.6 0.0 31.6





#35

Dibromofluoromethane

Concen: 52.174 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084552.D

Acq: 29 Oct 2024 09:52

Instrument :

MSVOA\_N

ClientSampleId :

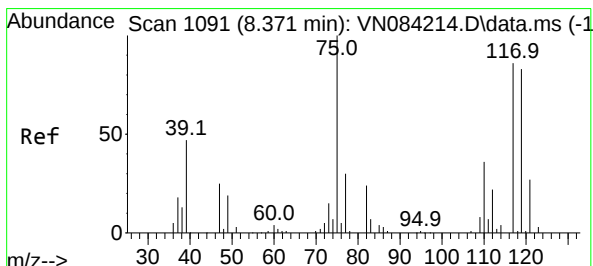
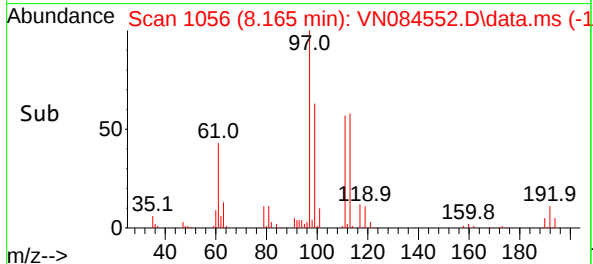
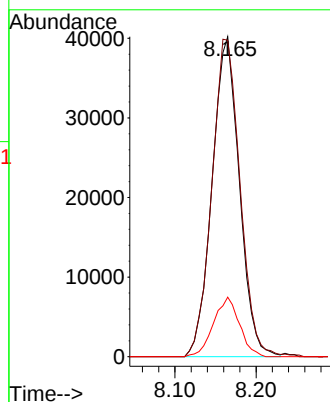
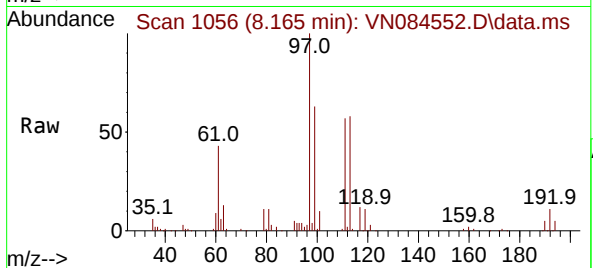
Tgt Ion:113 Resp: 93711

Ion Ratio Lower Upper

113 100

111 102.8 83.3 124.9

192 17.7 13.5 20.3



#36

1,1-Dichloropropene

Concen: 47.674 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. -0.006 min

Lab File: VN084552.D

Acq: 29 Oct 2024 09:52

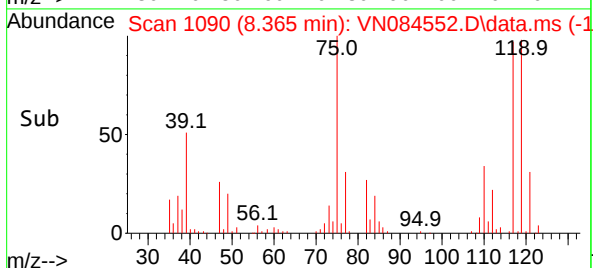
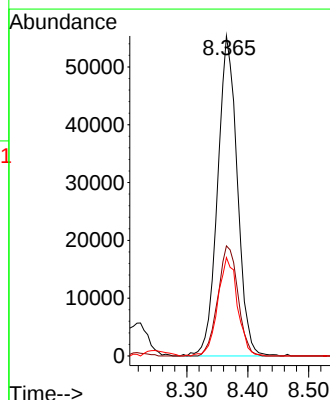
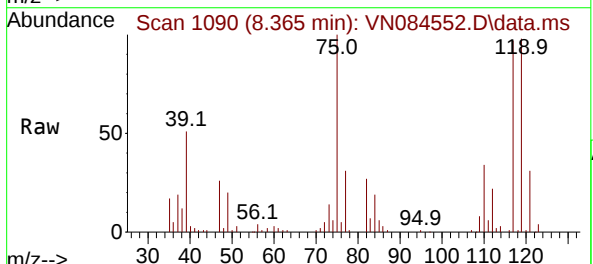
Tgt Ion: 75 Resp: 124380

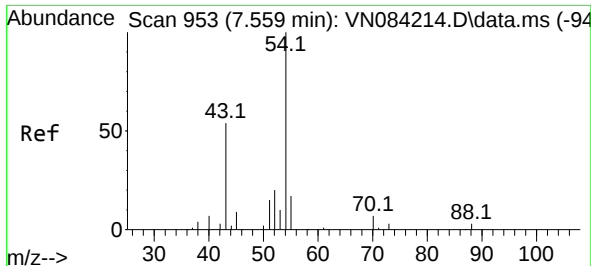
Ion Ratio Lower Upper

75 100

110 35.2 16.9 50.7

77 30.9 24.7 37.1





#37

Ethyl Acetate

Concen: 47.402 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN084552.D

Acq: 29 Oct 2024 09:52

Instrument :

MSVOA\_N

ClientSampleId :

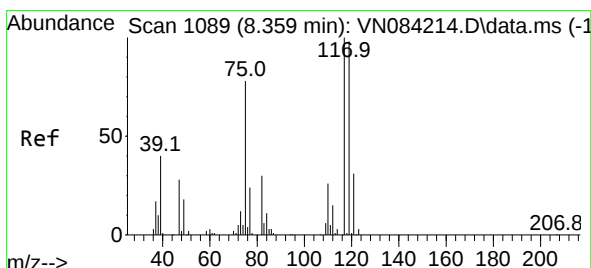
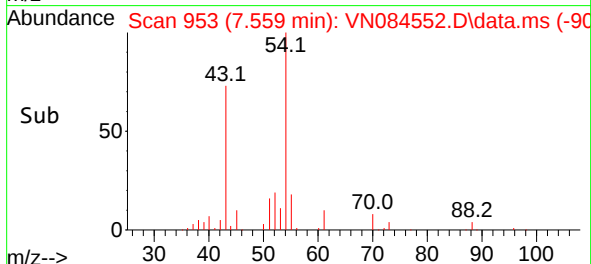
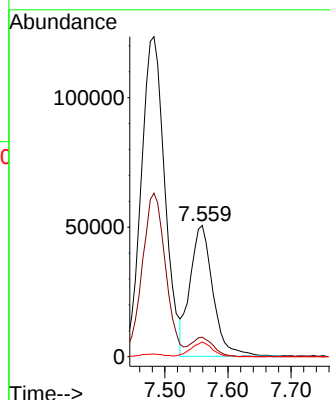
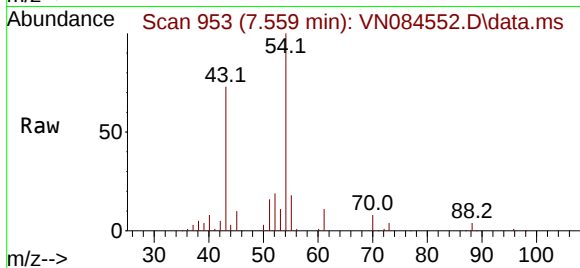
Tgt Ion: 43 Resp: 126873

Ion Ratio Lower Upper

43 100

61 13.6 10.7 16.1

70 10.5 8.8 13.2



#38

Carbon Tetrachloride

Concen: 50.476 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VN084552.D

Acq: 29 Oct 2024 09:52

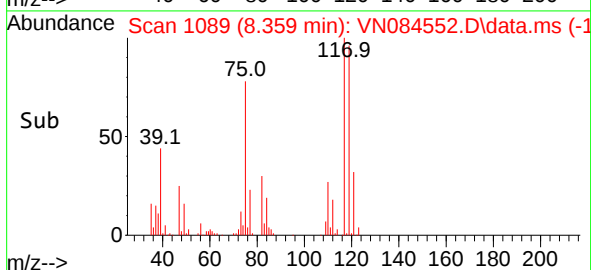
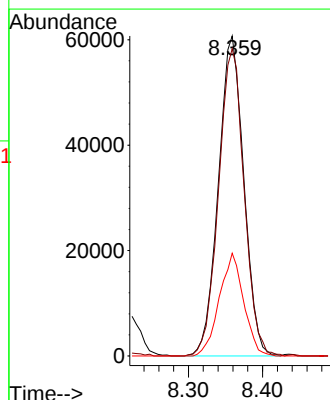
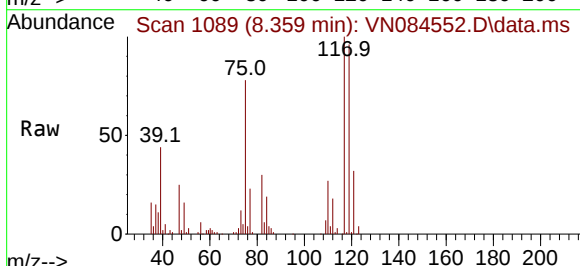
Tgt Ion: 117 Resp: 144457

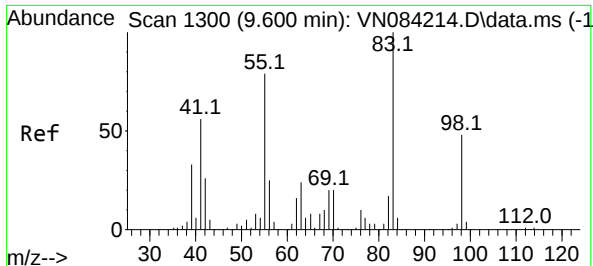
Ion Ratio Lower Upper

117 100

119 96.0 78.7 118.1

121 32.1 24.4 36.6





#39

Methylcyclohexane

Concen: 45.346 ug/l

RT: 9.600 min Scan# 111

Delta R.T. 0.000 min

Lab File: VN084552.D

Acq: 29 Oct 2024 09:52

Instrument :

MSVOA\_N

ClientSampleId :

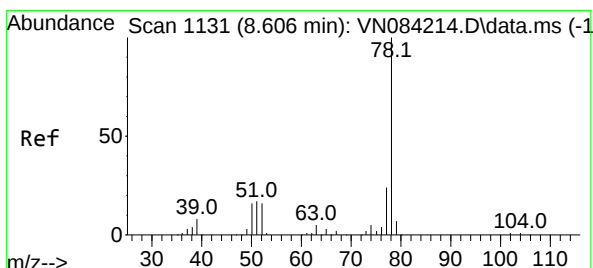
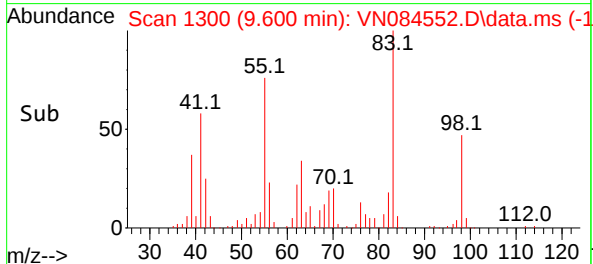
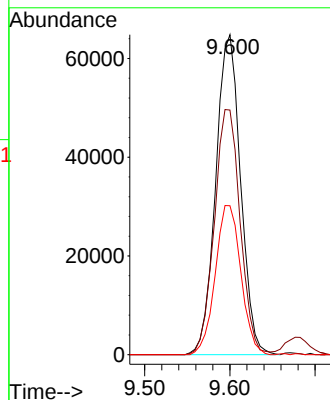
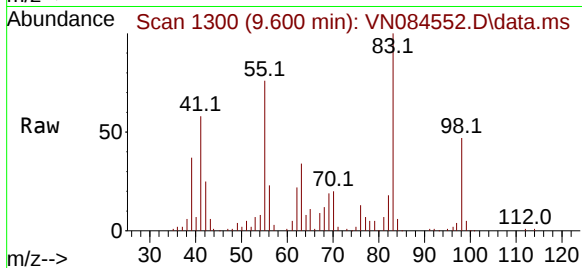
Tgt Ion: 83 Resp: 131669

Ion Ratio Lower Upper

83 100

55 76.4 62.8 94.2

98 46.6 38.8 58.2



#40

Benzene

Concen: 50.236 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN084552.D

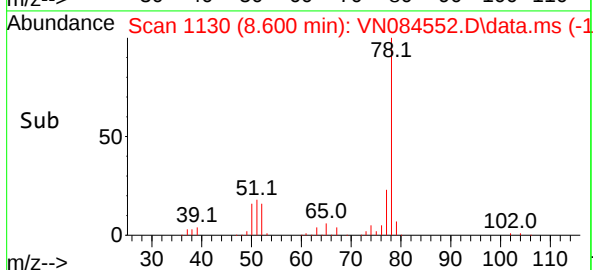
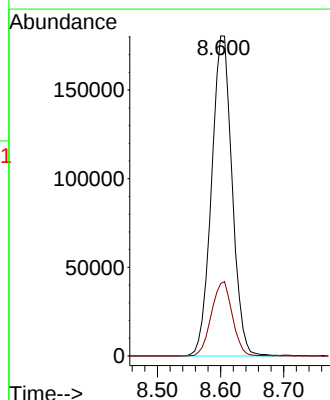
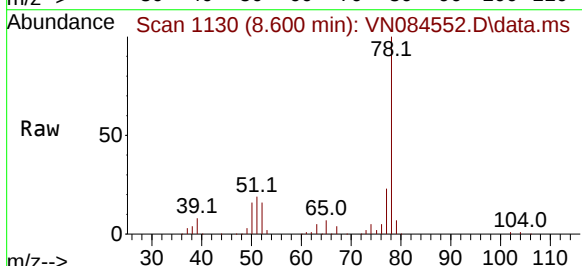
Acq: 29 Oct 2024 09:52

Tgt Ion: 78 Resp: 408345

Ion Ratio Lower Upper

78 100

77 22.6 19.1 28.7

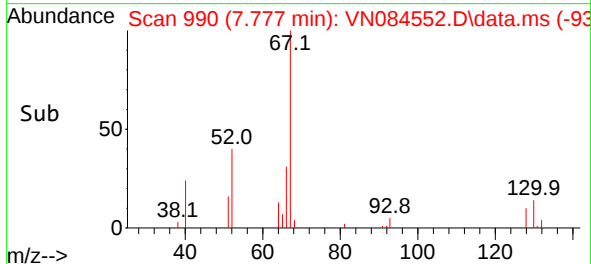
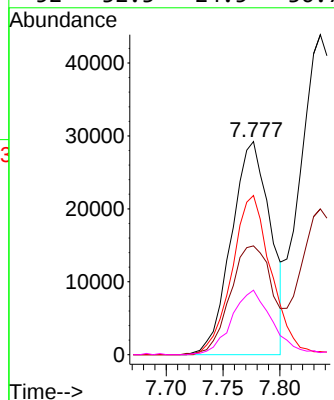
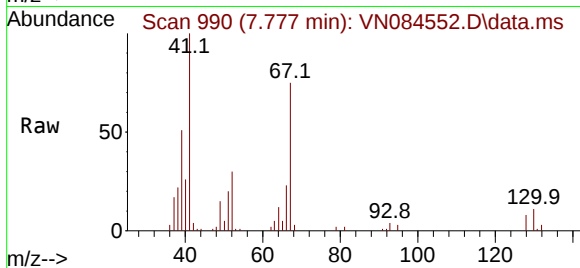




#41  
Methacrylonitrile  
Concen: 48.115 ug/l  
RT: 7.777 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

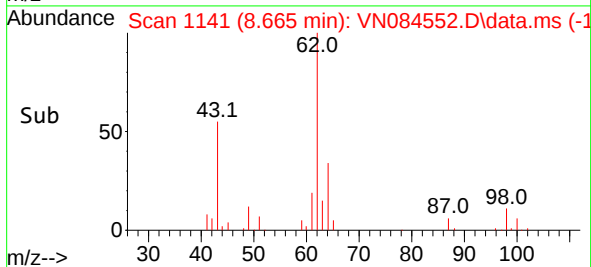
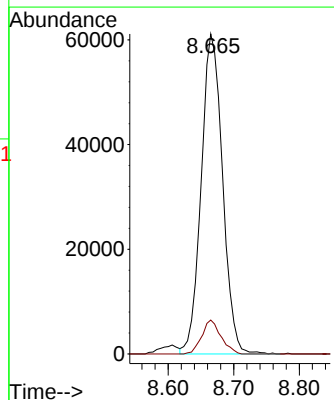
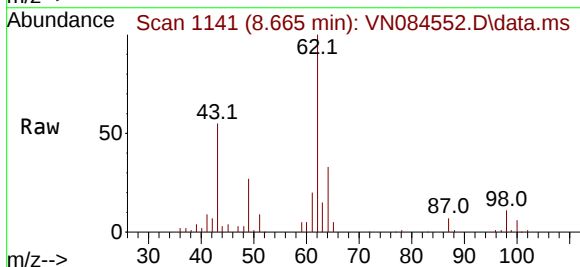
Instrument :  
MSVOA\_N  
ClientSampleId :

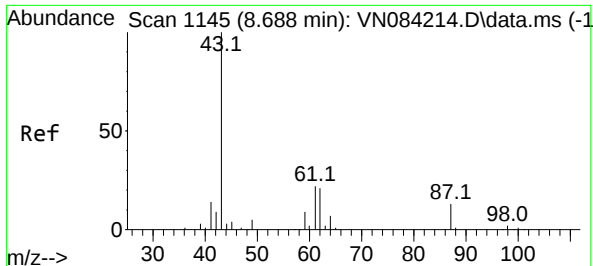
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 69915 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 54.2  | 43.3  | 64.9  |
| 67       | 75.5  | 56.1  | 84.1  |
| 52       | 32.3  | 24.5  | 36.7  |



#42  
1,2-Dichloroethane  
Concen: 50.324 ug/l  
RT: 8.665 min Scan# 1141  
Delta R.T. -0.006 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 138677 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.5   | 0.0   | 18.2   |

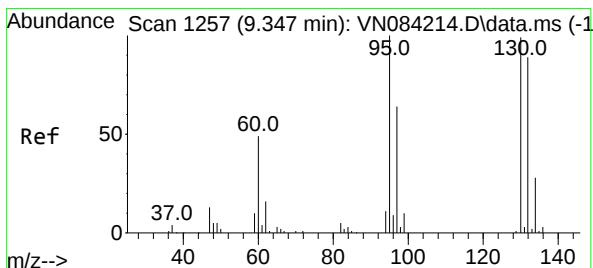
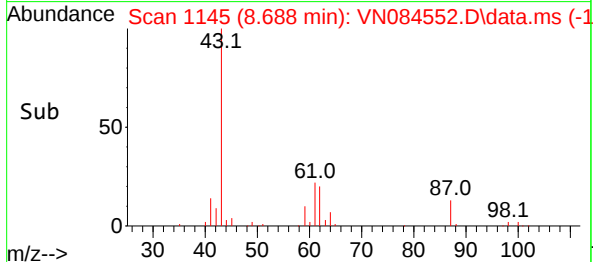
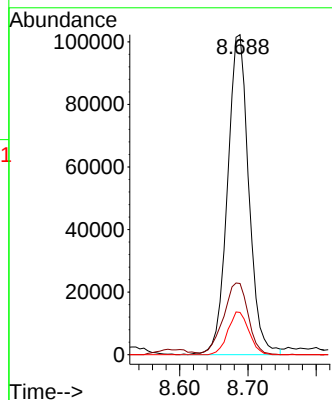
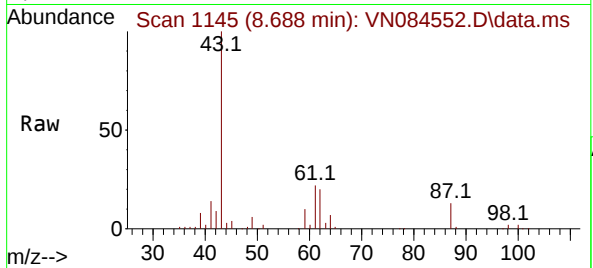




#43  
Isopropyl Acetate  
Concen: 42.377 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

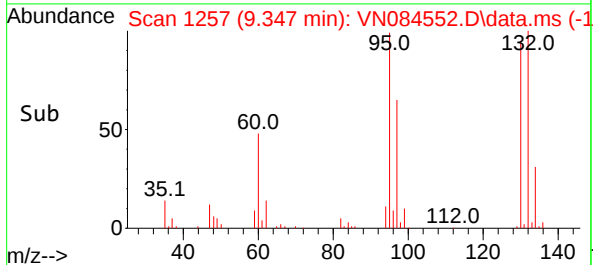
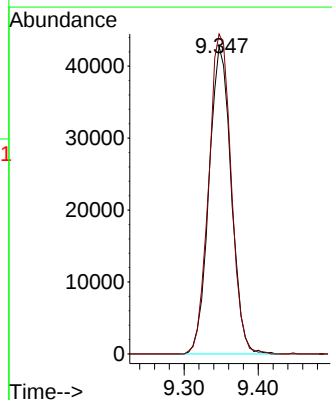
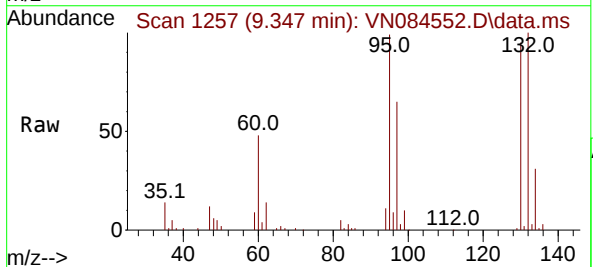
Instrument :  
MSVOA\_N  
ClientSampleId :

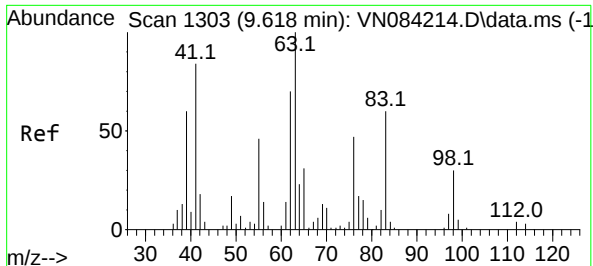
Tgt Ion: 43 Resp: 222165  
Ion Ratio Lower Upper  
43 100  
61 26.0 20.4 30.6  
87 13.1 10.3 15.5



#44  
Trichloroethene  
Concen: 46.860 ug/l  
RT: 9.347 min Scan# 1257  
Delta R.T. 0.000 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

Tgt Ion:130 Resp: 88964  
Ion Ratio Lower Upper  
130 100  
95 104.0 0.0 203.0





#45

1,2-Dichloropropane

Concen: 53.536 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VN084552.D

Acq: 29 Oct 2024 09:52

Instrument :

MSVOA\_N

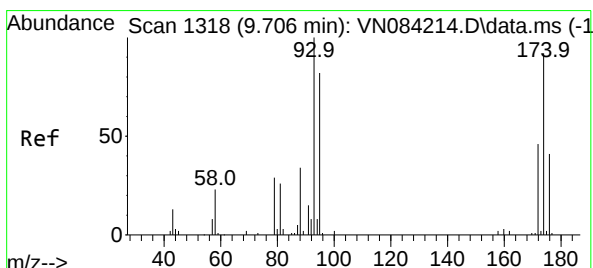
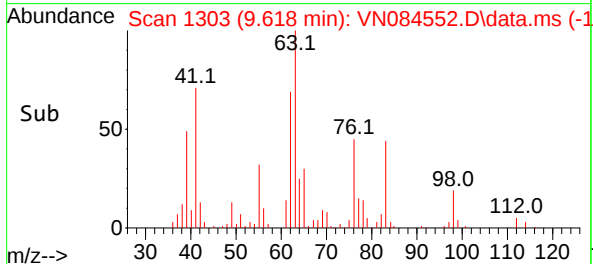
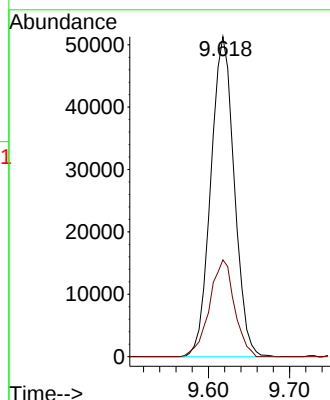
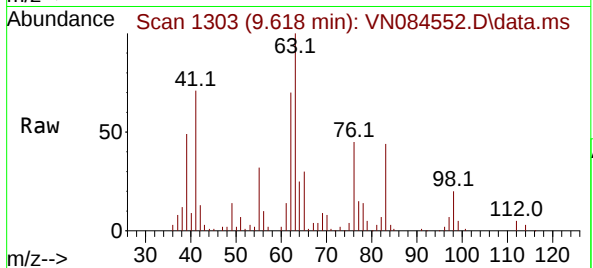
ClientSampleId :

Tgt Ion: 63 Resp: 102945

Ion Ratio Lower Upper

63 100

65 30.2 24.6 37.0



#46

Dibromomethane

Concen: 54.600 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN084552.D

Acq: 29 Oct 2024 09:52

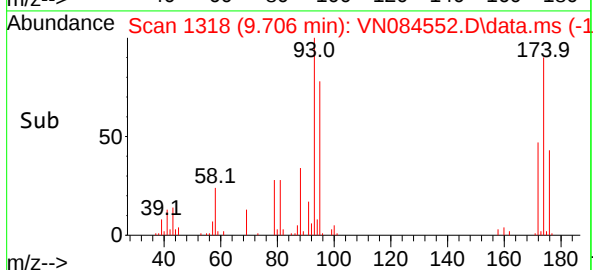
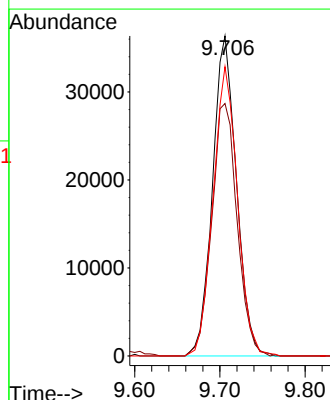
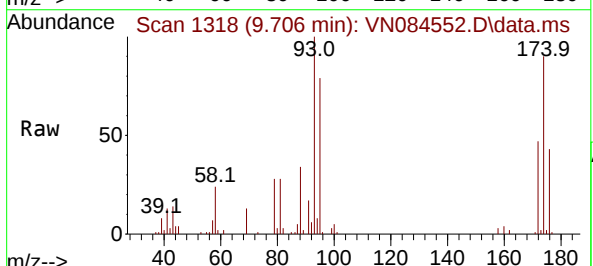
Tgt Ion: 93 Resp: 70852

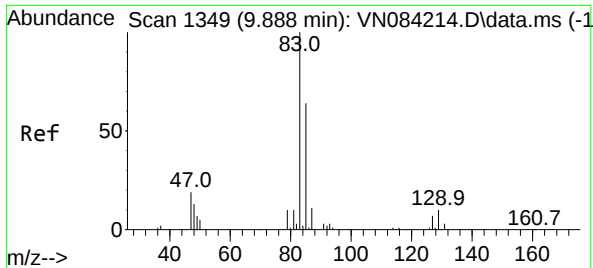
Ion Ratio Lower Upper

93 100

95 83.8 65.0 97.4

174 92.4 71.8 107.8

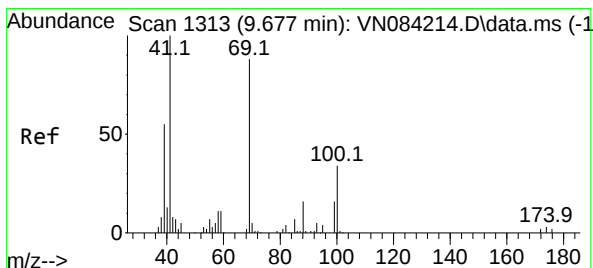
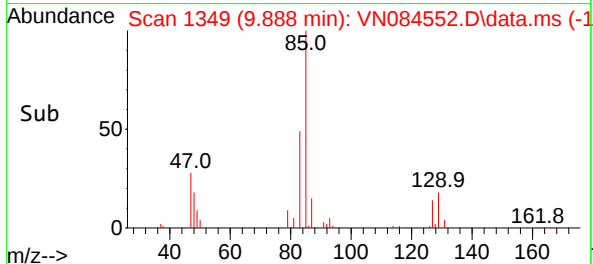
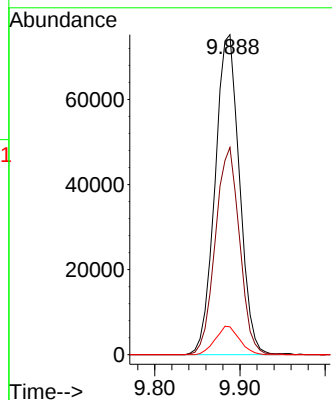
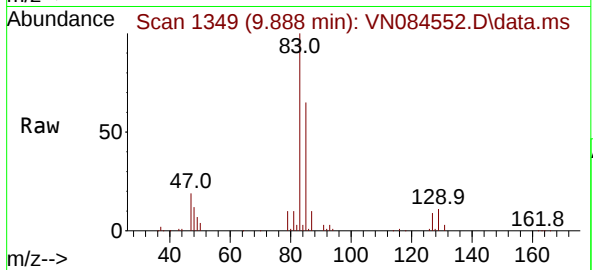




#47  
Bromodichloromethane  
Concen: 52.023 ug/l  
RT: 9.888 min Scan# 1349  
Delta R.T. 0.000 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

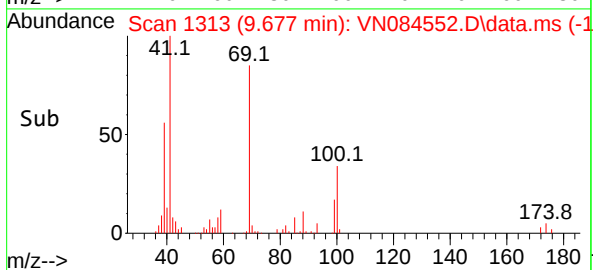
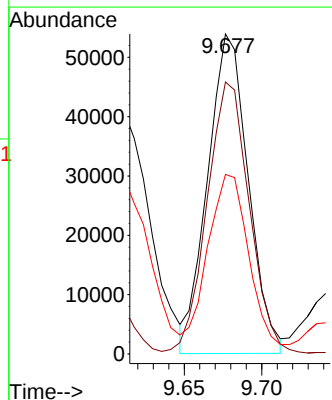
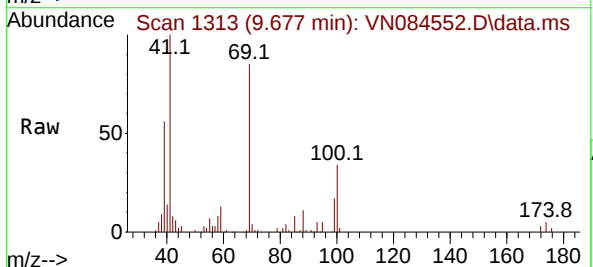
Instrument :  
MSVOA\_N  
ClientSampleId :

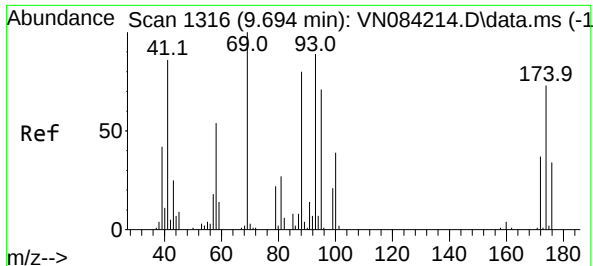
Tgt Ion: 83 Resp: 149982  
Ion Ratio Lower Upper  
83 100  
85 64.8 51.5 77.3  
127 8.7 5.7 8.5#



#48  
Methyl methacrylate  
Concen: 47.048 ug/l  
RT: 9.677 min Scan# 1313  
Delta R.T. 0.000 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

Tgt Ion: 41 Resp: 98185  
Ion Ratio Lower Upper  
41 100  
69 88.2 67.1 100.7  
39 58.5 45.8 68.6





#49

1,4-Dioxane

Concen: 925.440 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN084552.D

Acq: 29 Oct 2024 09:52

Instrument :

MSVOA\_N

ClientSampleId :

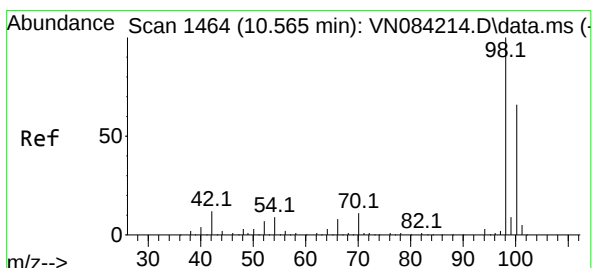
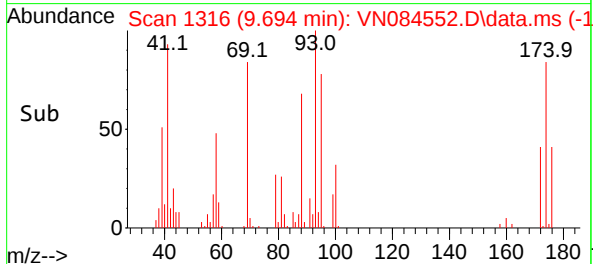
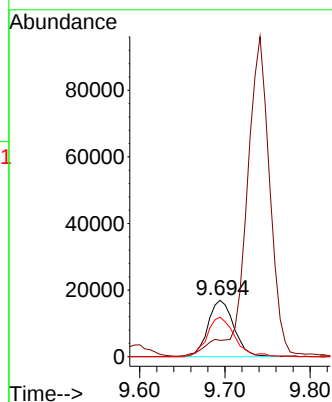
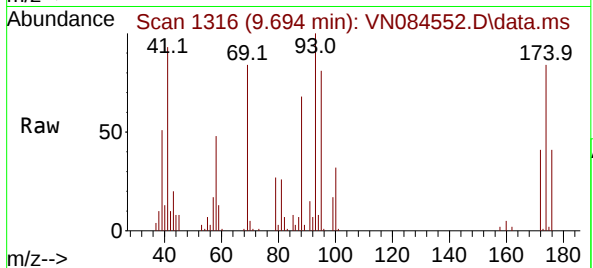
Tgt Ion: 88 Resp: 35556

Ion Ratio Lower Upper

88 100

43 0.0 25.3 37.9#

58 75.4 56.4 84.6



#50

Toluene-d8

Concen: 49.174 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN084552.D

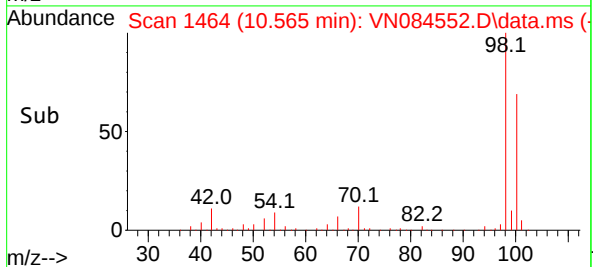
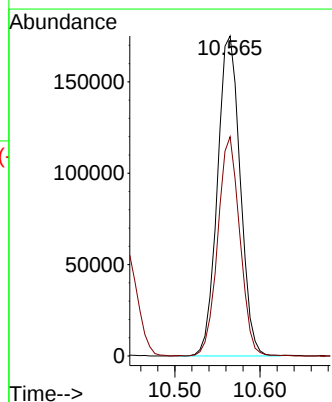
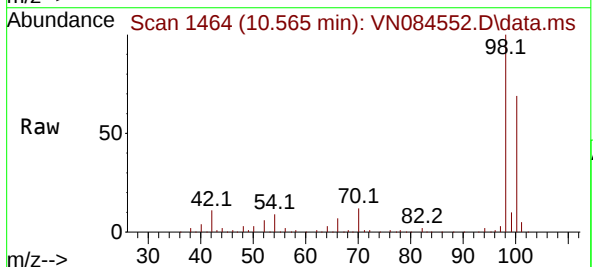
Acq: 29 Oct 2024 09:52

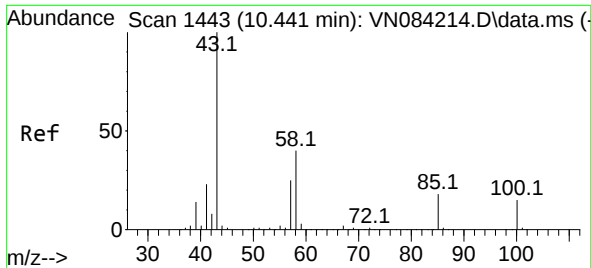
Tgt Ion: 98 Resp: 324950

Ion Ratio Lower Upper

98 100

100 66.3 52.7 79.1

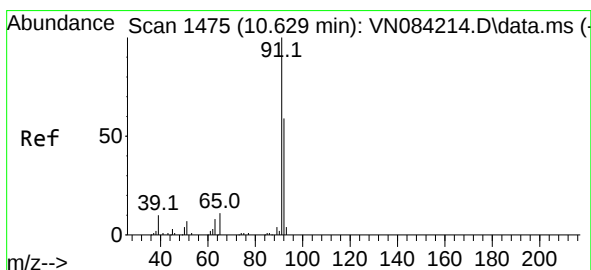
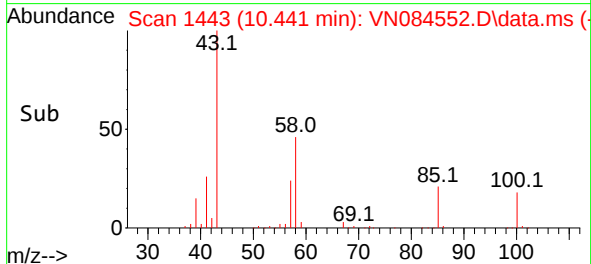
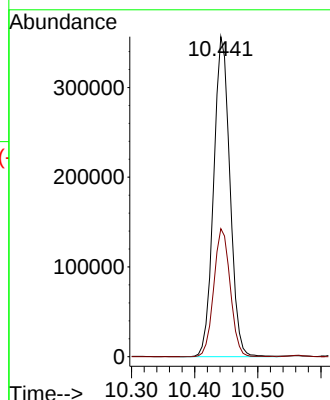
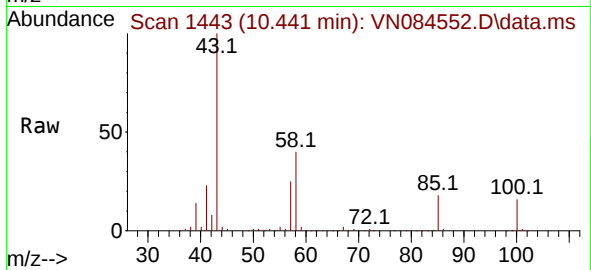




#51  
4-Methyl-2-Pentanone  
Concen: 250.782 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

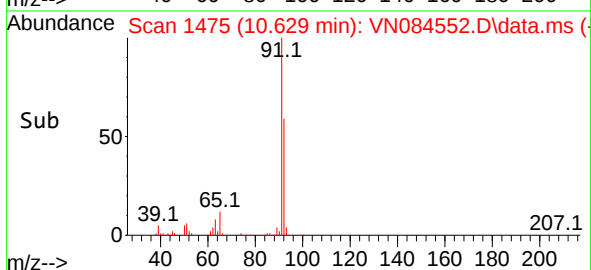
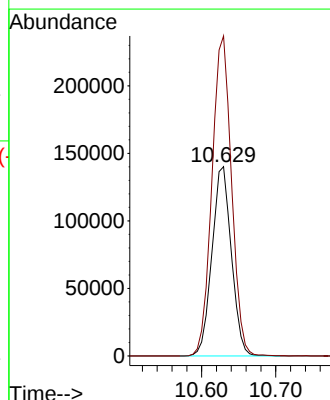
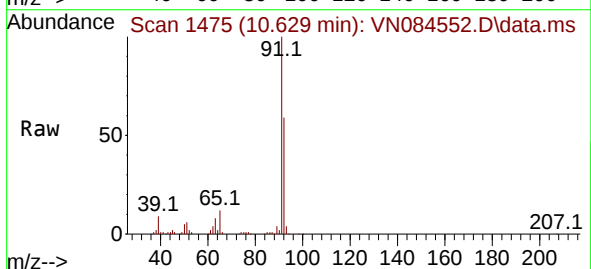
Instrument :  
MSVOA\_N  
ClientSampleId :

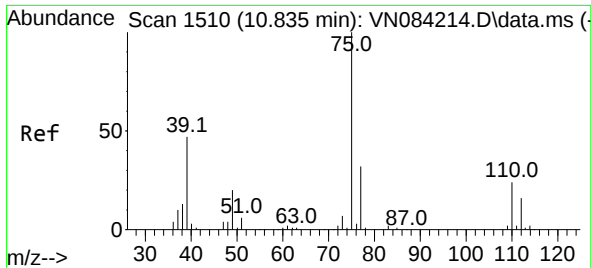
Tgt Ion: 43 Resp: 638985  
Ion Ratio Lower Upper  
43 100  
58 40.4 31.6 47.4



#52  
Toluene  
Concen: 51.397 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

Tgt Ion: 92 Resp: 254764  
Ion Ratio Lower Upper  
92 100  
91 170.7 137.3 205.9

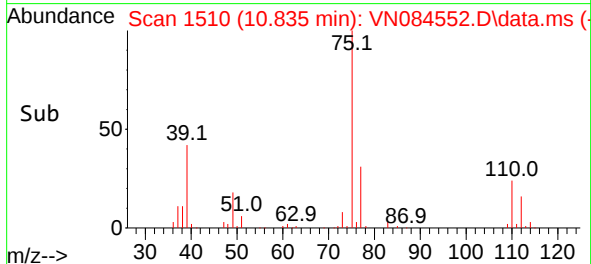
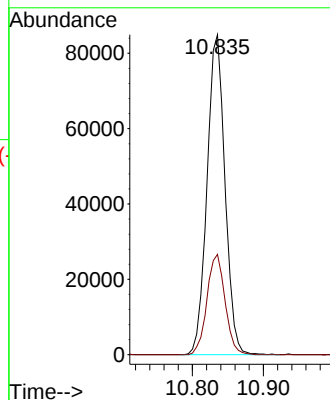
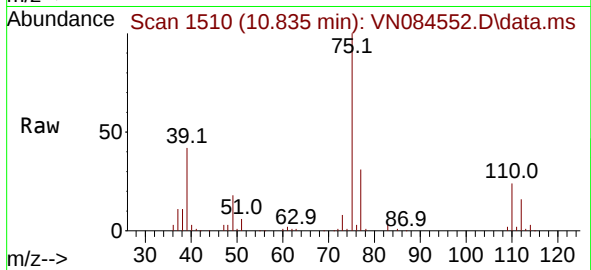




#53  
 t-1,3-Dichloropropene  
 Concen: 50.767 ug/l  
 RT: 10.835 min Scan# 1510  
 Delta R.T. 0.000 min  
 Lab File: VN084552.D  
 Acq: 29 Oct 2024 09:52

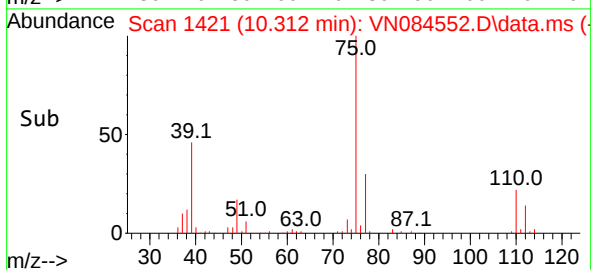
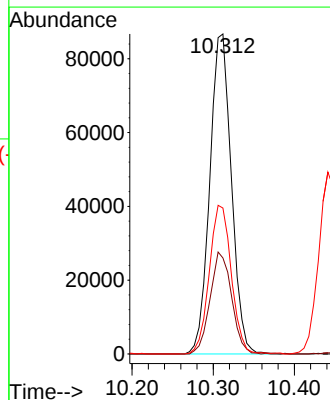
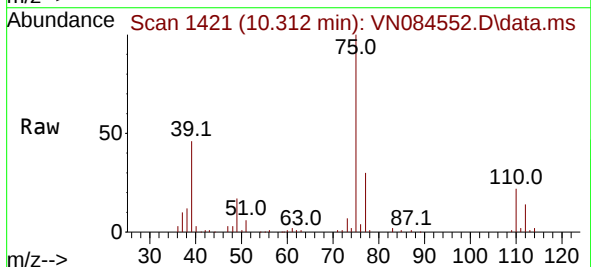
Instrument :  
 MSVOA\_N  
 ClientSampleId :

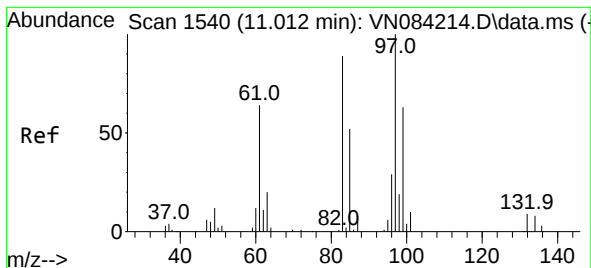
Tgt Ion: 75 Resp: 149192  
 Ion Ratio Lower Upper  
 75 100  
 77 31.4 25.4 38.0



#54  
 cis-1,3-Dichloropropene  
 Concen: 50.710 ug/l  
 RT: 10.312 min Scan# 1421  
 Delta R.T. 0.000 min  
 Lab File: VN084552.D  
 Acq: 29 Oct 2024 09:52

Tgt Ion: 75 Resp: 160296  
 Ion Ratio Lower Upper  
 75 100  
 77 30.0 24.2 36.2  
 39 45.4 38.7 58.1





#55

1,1,2-Trichloroethane

Concen: 55.236 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. 0.000 min

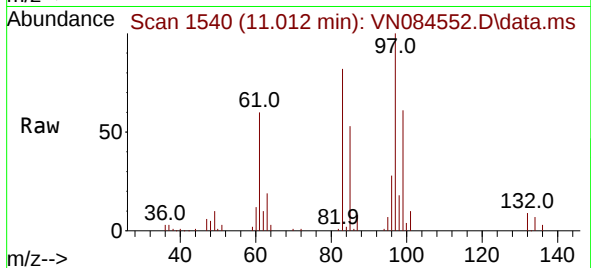
Lab File: VN084552.D

Acq: 29 Oct 2024 09:52

Instrument :

MSVOA\_N

ClientSampleId :



Tgt Ion: 97 Resp: 98153

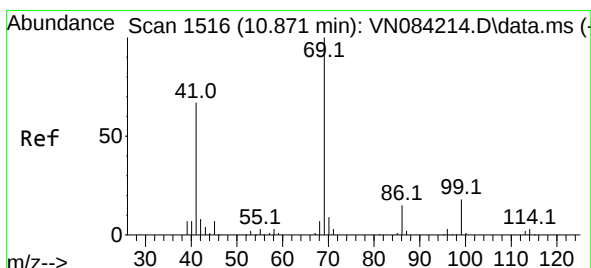
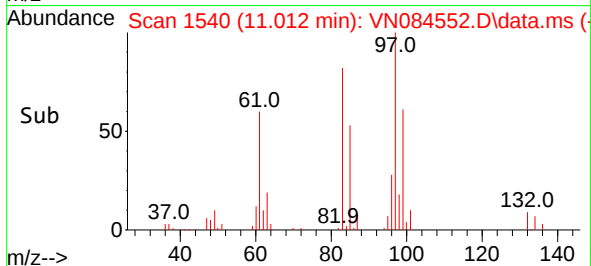
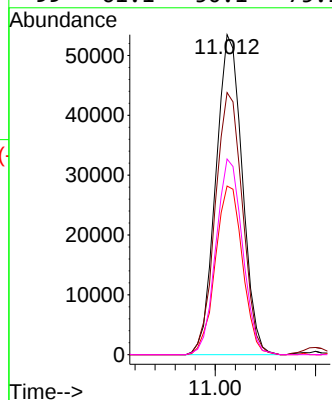
Ion Ratio Lower Upper

97 100

83 81.9 71.0 106.4

85 52.7 41.7 62.5

99 61.1 50.1 75.1



#56

Ethyl methacrylate

Concen: 51.685 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VN084552.D

Acq: 29 Oct 2024 09:52

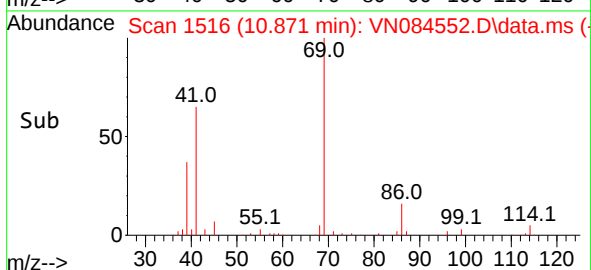
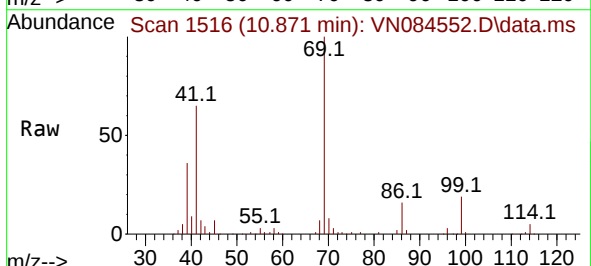
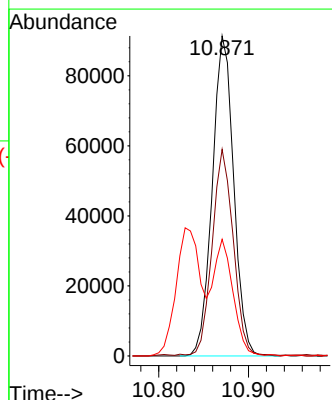
Tgt Ion: 69 Resp: 151125

Ion Ratio Lower Upper

69 100

41 63.2 53.3 79.9

39 34.0 28.8 43.2





#57

1,3-Dichloropropane

Concen: 51.589 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. 0.000 min

Lab File: VN084552.D

Acq: 29 Oct 2024 09:52

Instrument :

MSVOA\_N

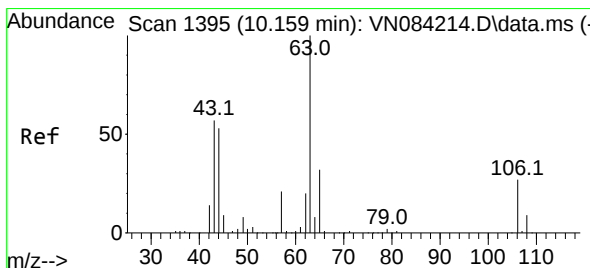
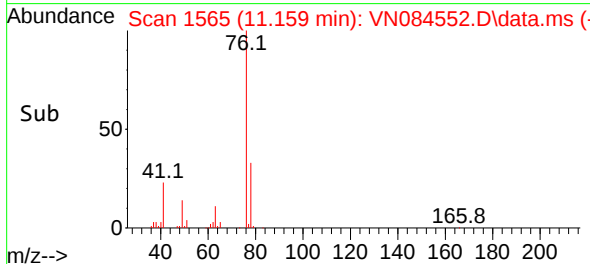
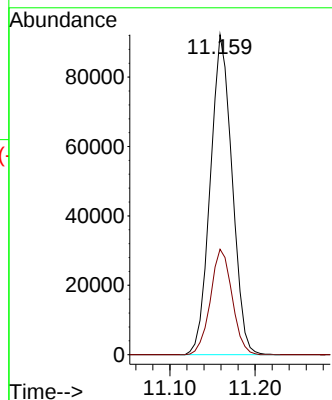
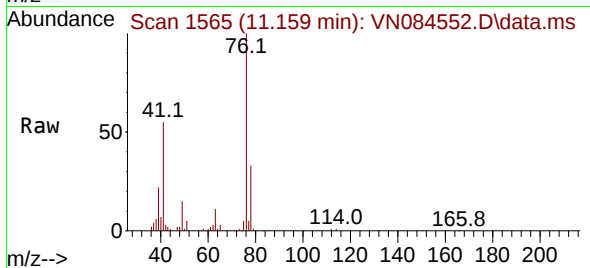
ClientSampleId :

Tgt Ion: 76 Resp: 163805

Ion Ratio Lower Upper

76 100

78 32.8 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 271.502 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN084552.D

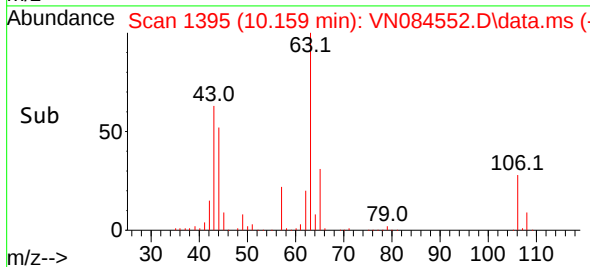
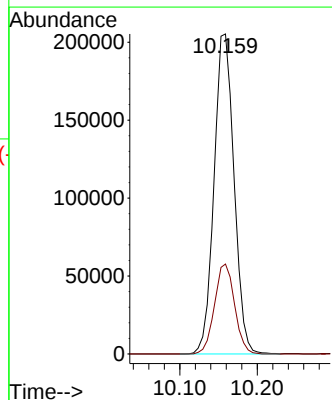
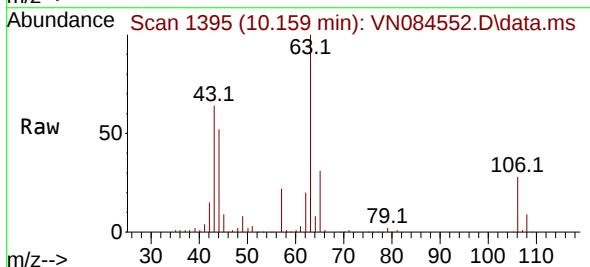
Acq: 29 Oct 2024 09:52

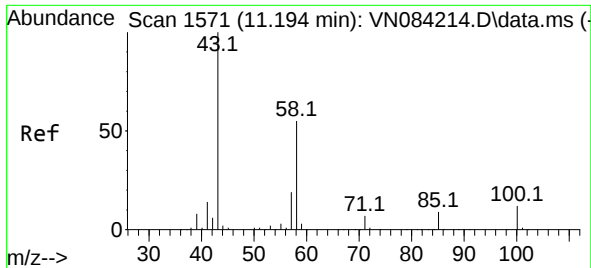
Tgt Ion: 63 Resp: 368262

Ion Ratio Lower Upper

63 100

106 28.2 21.8 32.6

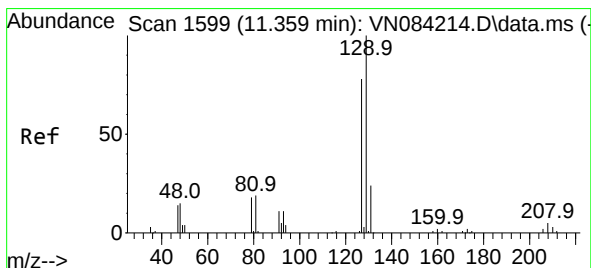
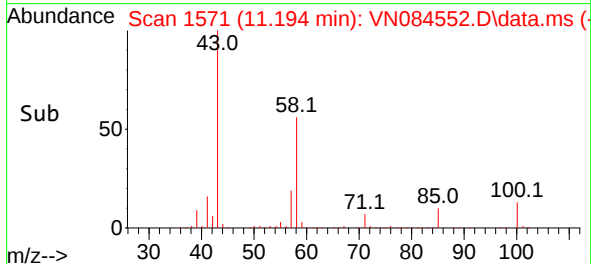
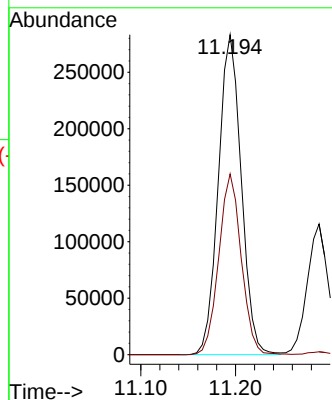
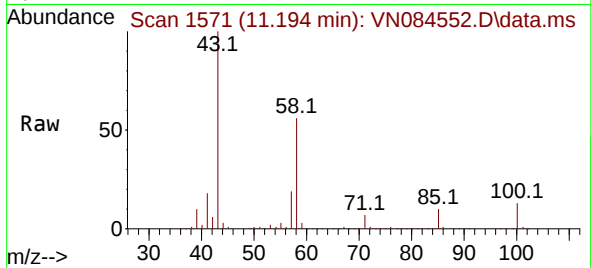




#59  
2-Hexanone  
Concen: 250.182 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. 0.000 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

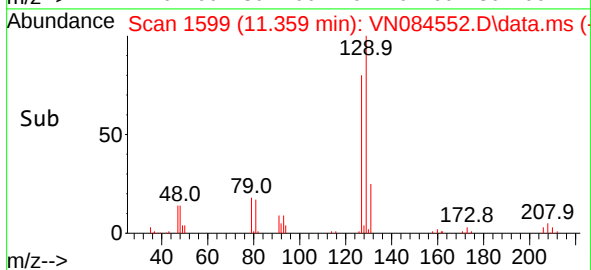
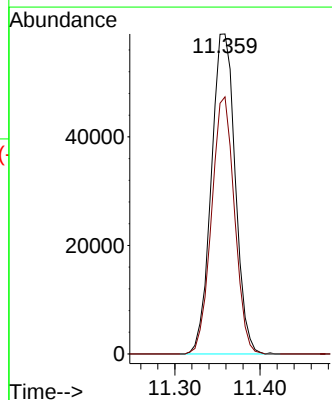
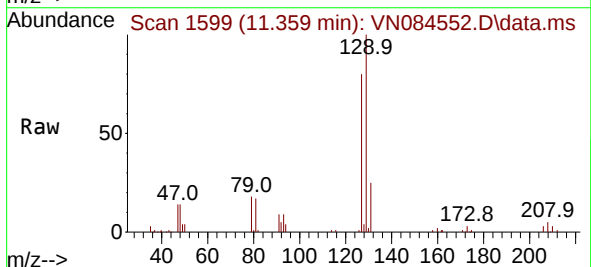
Instrument :  
MSVOA\_N  
ClientSampleId :

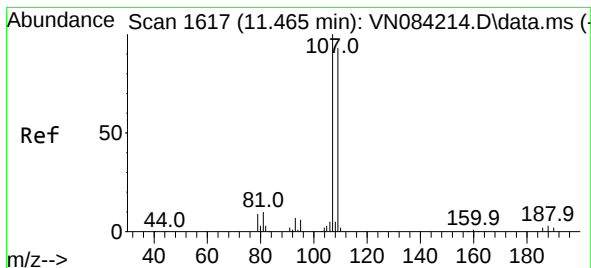
Tgt Ion: 43 Resp: 476443  
Ion Ratio Lower Upper  
43 100  
58 55.4 27.3 81.8



#60  
Dibromochloromethane  
Concen: 54.710 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. 0.000 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

Tgt Ion:129 Resp: 114866  
Ion Ratio Lower Upper  
129 100  
127 76.9 38.3 114.9

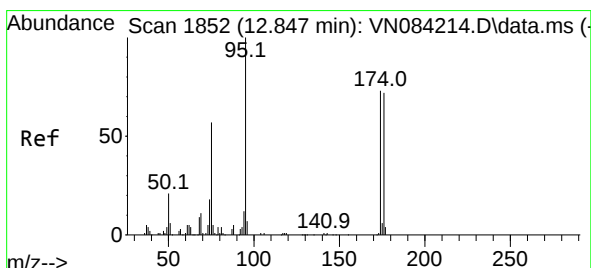
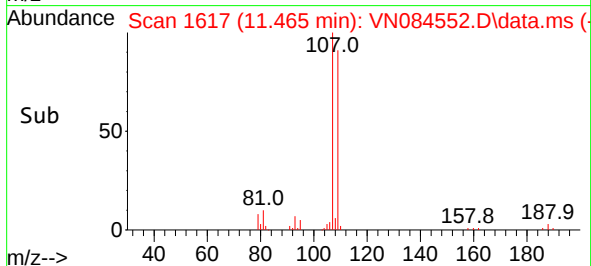
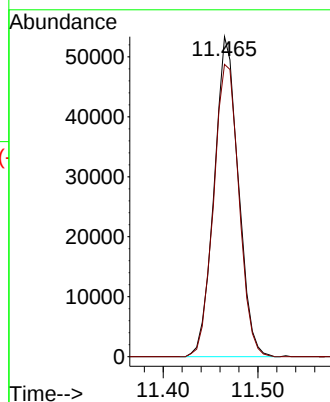
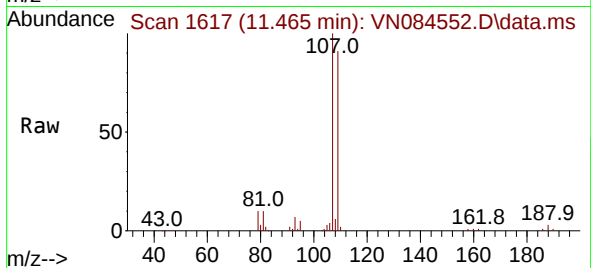




#61  
1,2-Dibromoethane  
Concen: 51.275 ug/l  
RT: 11.465 min Scan# 1617  
Delta R.T. 0.000 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

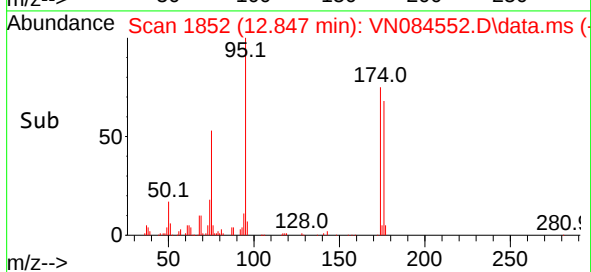
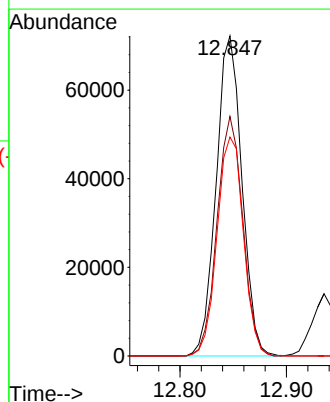
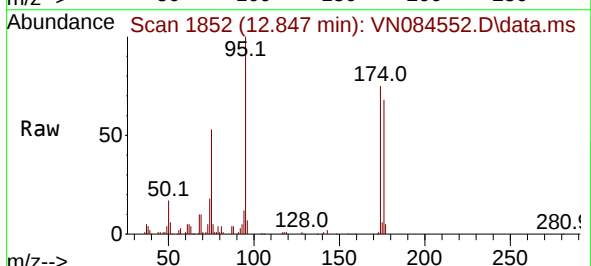
Instrument :  
MSVOA\_N  
ClientSampleId :

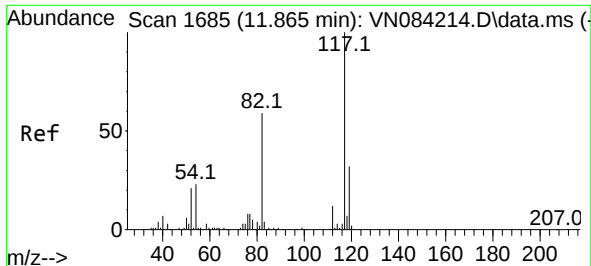
Tgt Ion:107 Resp: 94676  
Ion Ratio Lower Upper  
107 100  
109 95.7 75.4 113.0



#62  
4-Bromofluorobenzene  
Concen: 50.433 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

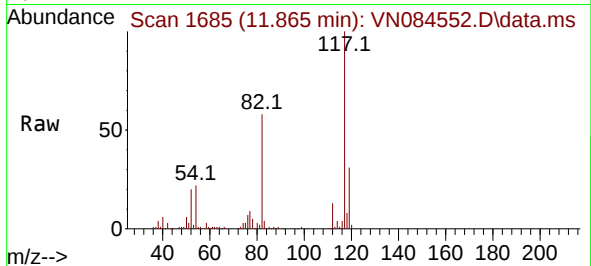
Tgt Ion: 95 Resp: 121413  
Ion Ratio Lower Upper  
95 100  
174 74.5 0.0 145.2  
176 69.8 0.0 140.0



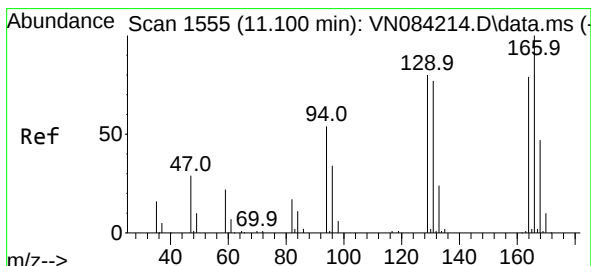
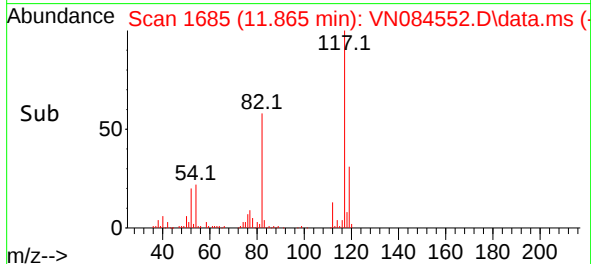
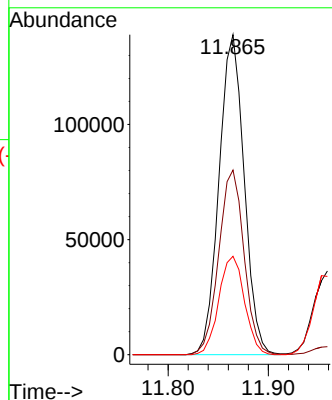


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

Instrument :  
MSVOA\_N  
ClientSampleId :

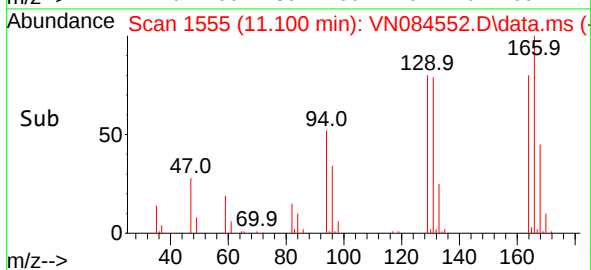
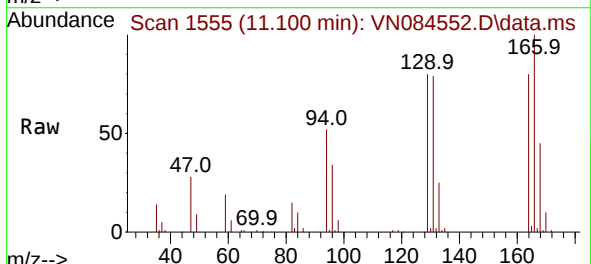
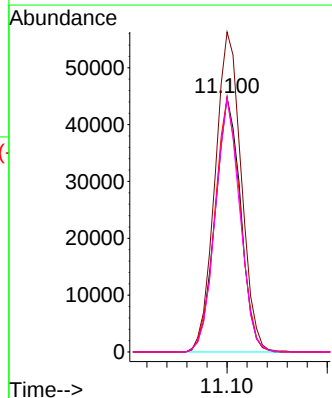


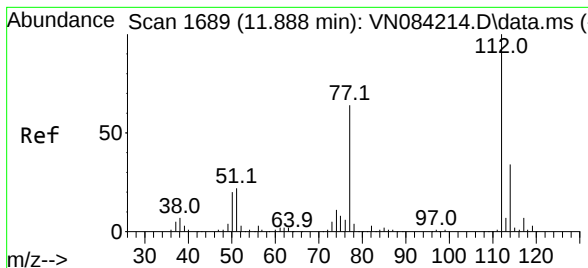
Tgt Ion:117 Resp: 241558  
Ion Ratio Lower Upper  
117 100  
82 57.7 47.2 70.8  
119 30.7 25.4 38.0



#64  
Tetrachloroethene  
Concen: 46.733 ug/l  
RT: 11.100 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

Tgt Ion:164 Resp: 78628  
Ion Ratio Lower Upper  
164 100  
166 125.7 101.0 151.4  
129 100.1 80.8 121.2  
131 99.6 78.1 117.1





#65

Chlorobenzene

Concen: 49.999 ug/l

RT: 11.888 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084552.D

Acq: 29 Oct 2024 09:52

Instrument :

MSVOA\_N

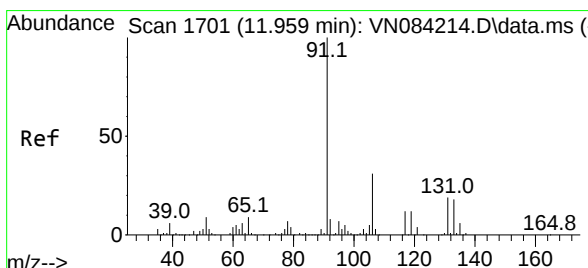
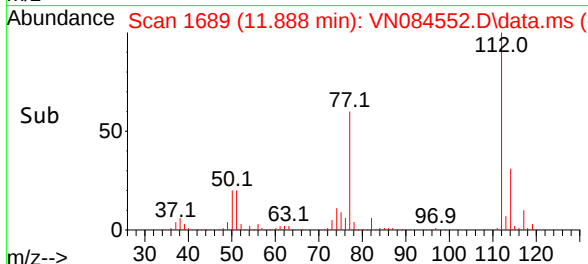
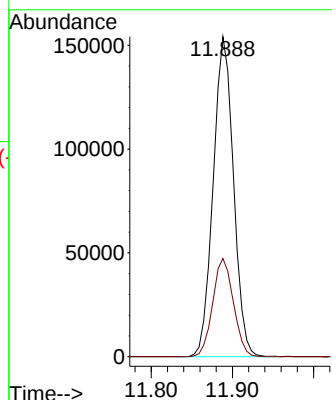
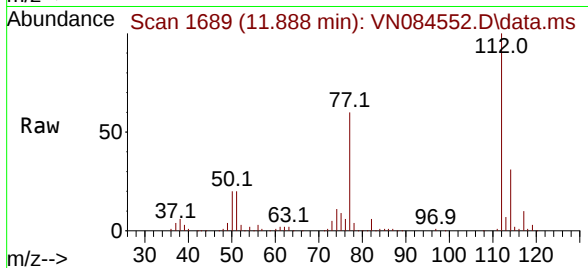
ClientSampleId :

Tgt Ion:112 Resp: 267791

Ion Ratio Lower Upper

112 100

114 30.7 27.0 40.6



#66

1,1,1,2-Tetrachloroethane

Concen: 52.530 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN084552.D

Acq: 29 Oct 2024 09:52

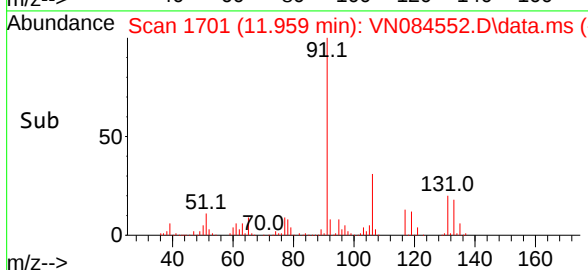
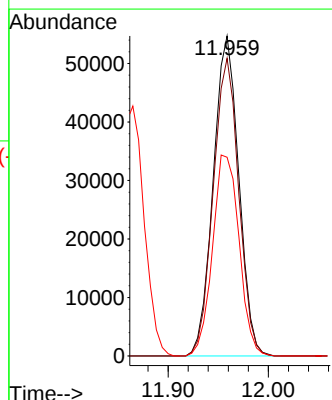
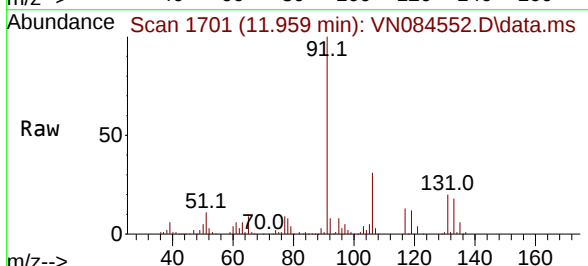
Tgt Ion:131 Resp: 96907

Ion Ratio Lower Upper

131 100

133 93.0 47.9 143.7

119 65.2 32.8 98.3

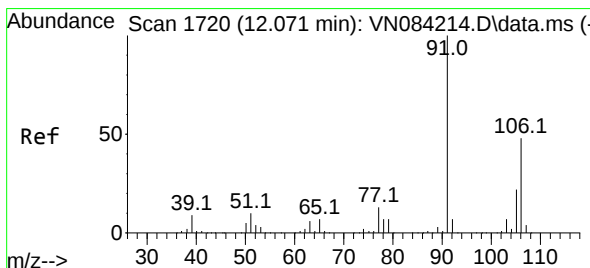
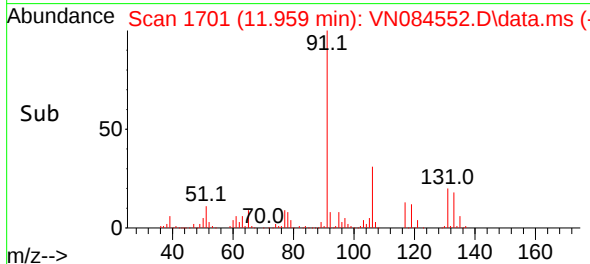
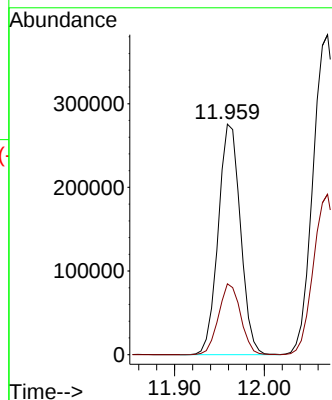
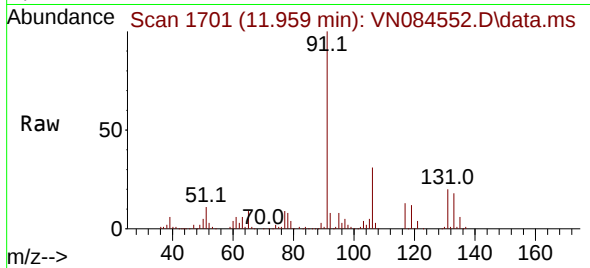




#67  
Ethyl Benzene  
Concen: 50.008 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

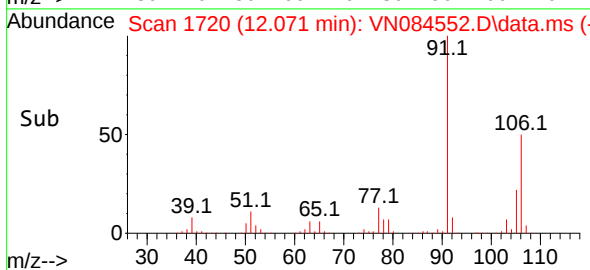
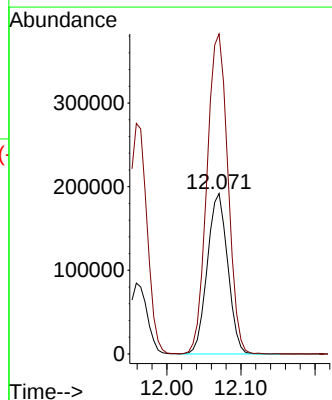
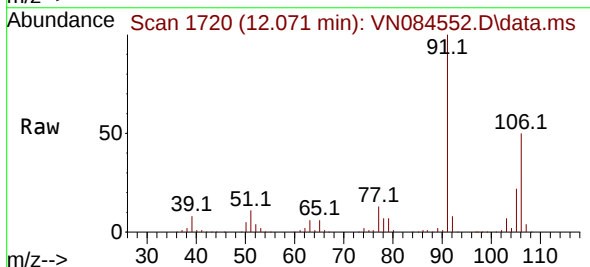
Instrument :  
MSVOA\_N  
ClientSampleId :

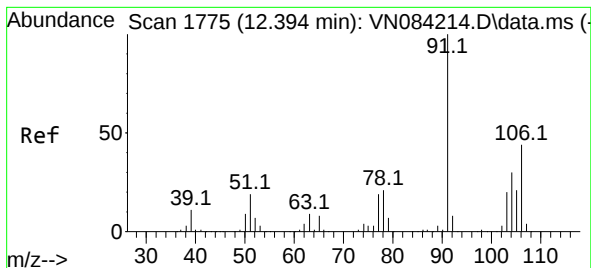
Tgt Ion: 91 Resp: 473667  
Ion Ratio Lower Upper  
91 100  
106 30.7 24.5 36.7



#68  
m/p-Xylenes  
Concen: 104.683 ug/l  
RT: 12.071 min Scan# 1720  
Delta R.T. 0.000 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

Tgt Ion:106 Resp: 366775  
Ion Ratio Lower Upper  
106 100  
91 204.8 167.1 250.7

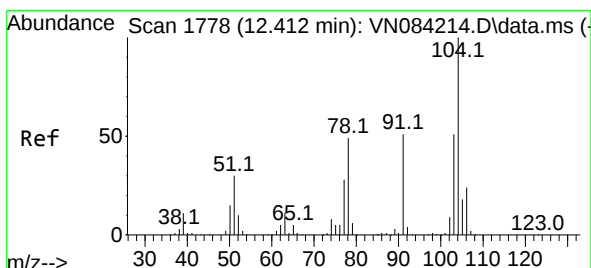
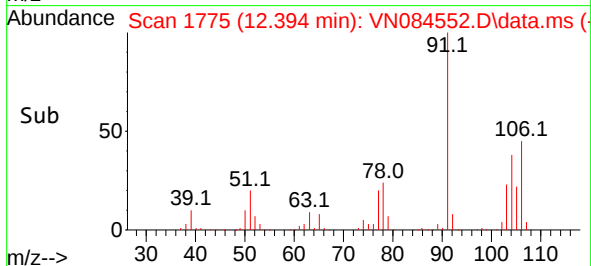
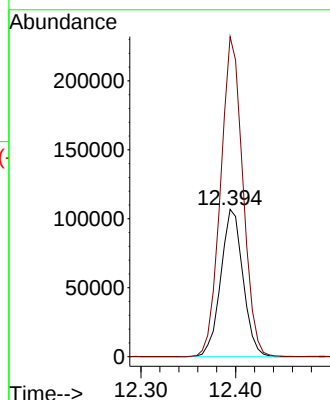
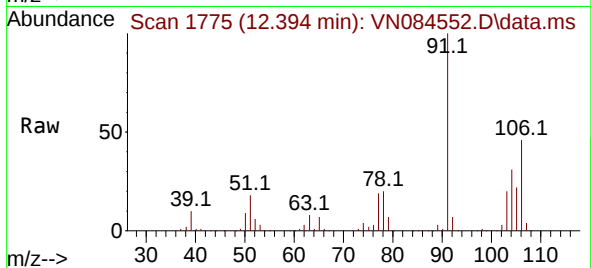




#69  
o-Xylene  
Concen: 52.593 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

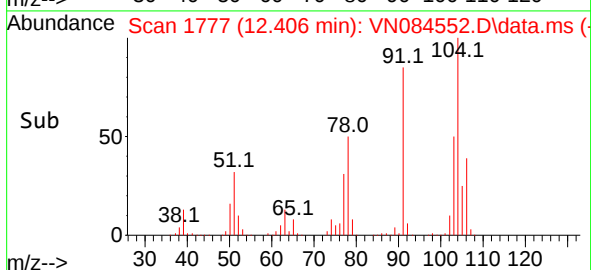
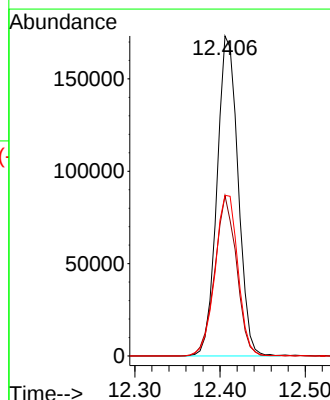
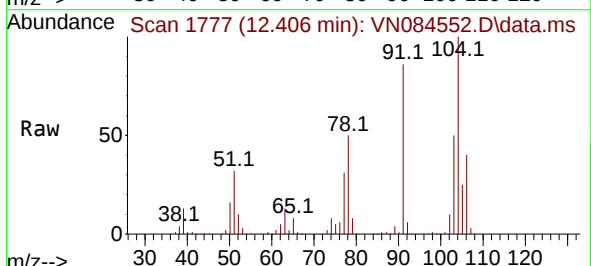
Instrument :  
MSVOA\_N  
ClientSampleId :

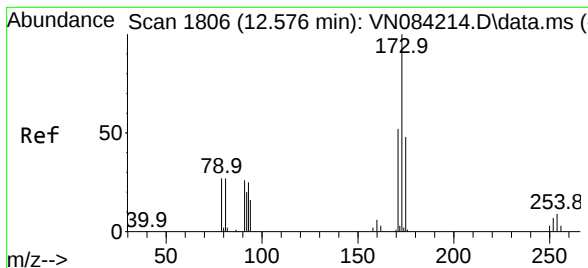
Tgt Ion:106 Resp: 174340  
Ion Ratio Lower Upper  
106 100  
91 217.8 110.2 330.6



#70  
Styrene  
Concen: 53.023 ug/l  
RT: 12.406 min Scan# 1777  
Delta R.T. -0.006 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

Tgt Ion:104 Resp: 297716  
Ion Ratio Lower Upper  
104 100  
78 51.8 42.7 64.1  
103 54.5 43.6 65.4





#71

Bromoform

Concen: 54.025 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VN084552.D

Acq: 29 Oct 2024 09:52

Instrument :

MSVOA\_N

ClientSampleId :

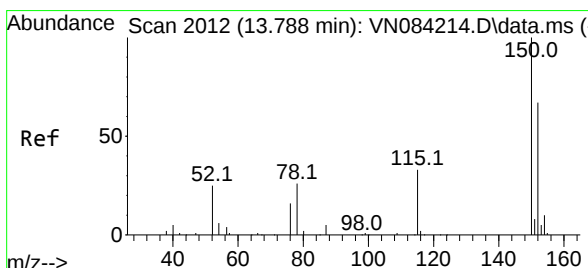
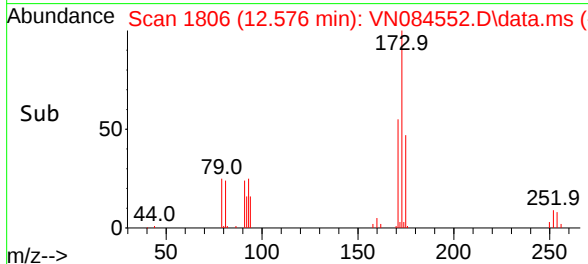
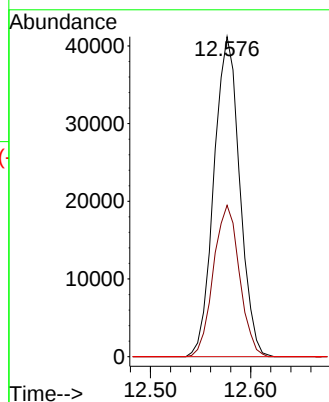
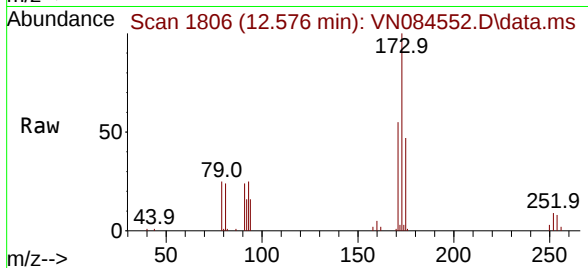
Tgt Ion:173 Resp: 73376

Ion Ratio Lower Upper

173 100

175 47.8 23.5 70.6

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN084552.D

Acq: 29 Oct 2024 09:52

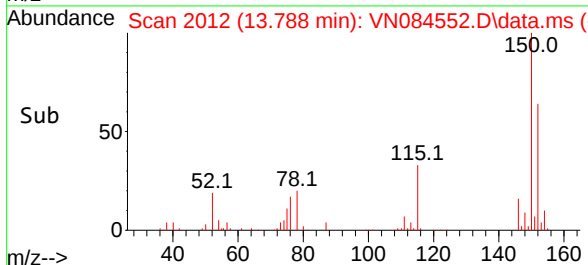
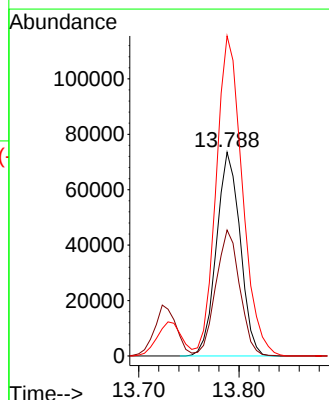
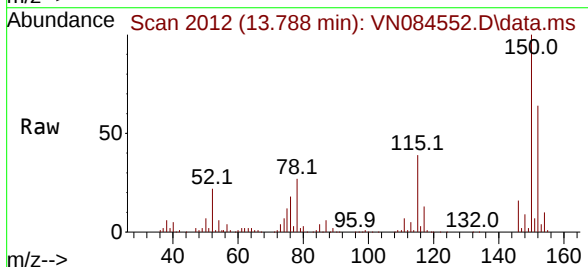
Tgt Ion:152 Resp: 120545

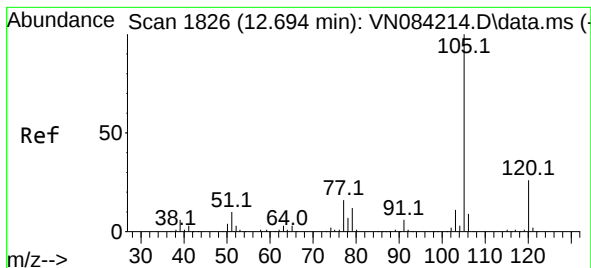
Ion Ratio Lower Upper

152 100

115 62.4 31.3 93.9

150 173.4 0.0 349.8





#73

Isopropylbenzene

Concen: 47.632 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN084552.D

Acq: 29 Oct 2024 09:52

Instrument :

MSVOA\_N

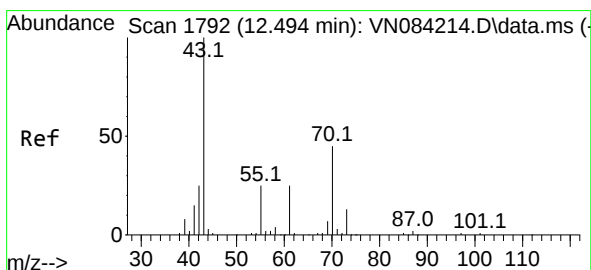
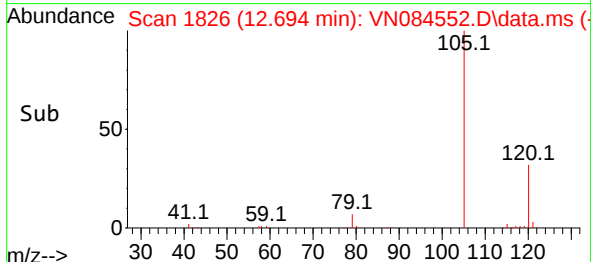
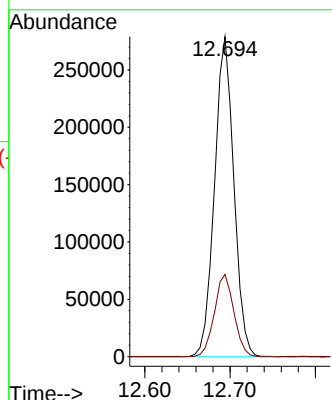
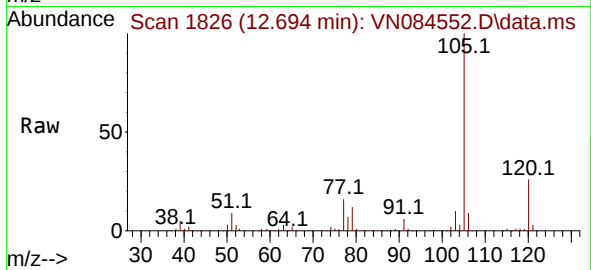
ClientSampleId :

Tgt Ion:105 Resp: 438150

Ion Ratio Lower Upper

105 100

120 26.0 12.9 38.7



#74

N-ethyl acetate

Concen: 44.532 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VN084552.D

Acq: 29 Oct 2024 09:52

Tgt Ion: 43 Resp: 185495

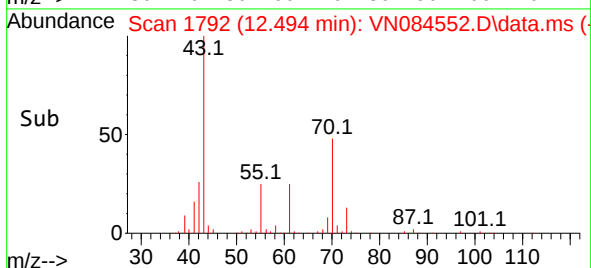
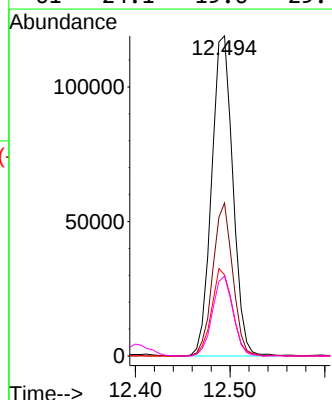
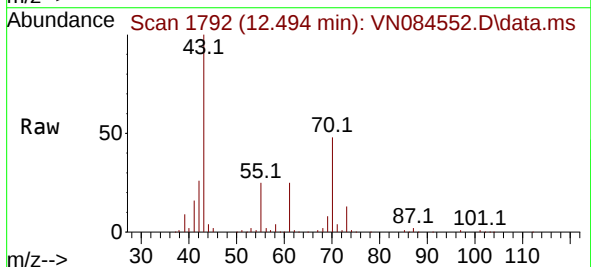
Ion Ratio Lower Upper

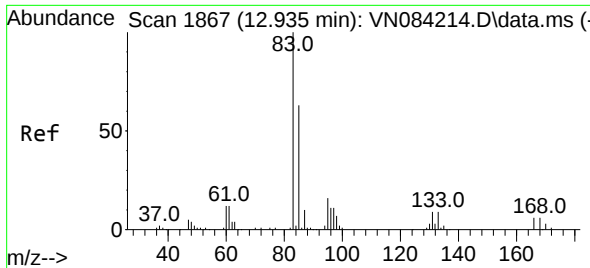
43 100

70 44.8 34.4 51.6

55 26.6 19.6 29.4

61 24.1 19.6 29.4

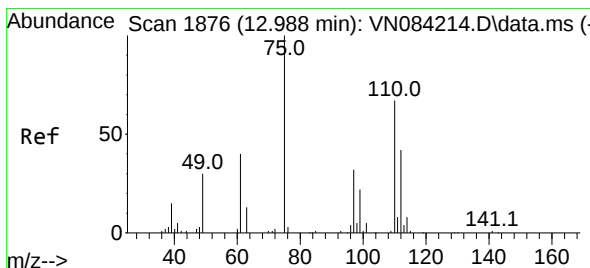
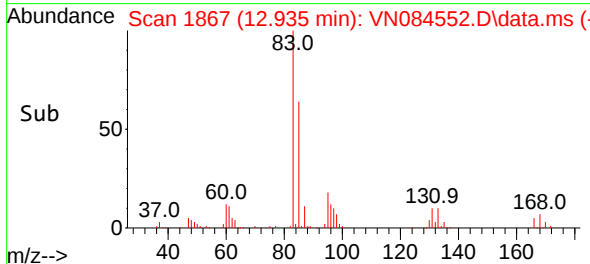
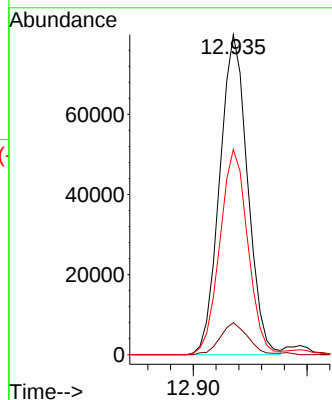
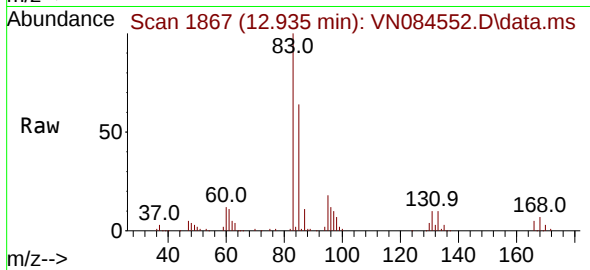




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 49.177 ug/l  
 RT: 12.935 min Scan# 1867  
 Delta R.T. 0.000 min  
 Lab File: VN084552.D  
 Acq: 29 Oct 2024 09:52

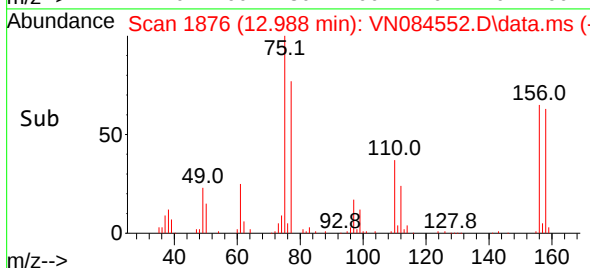
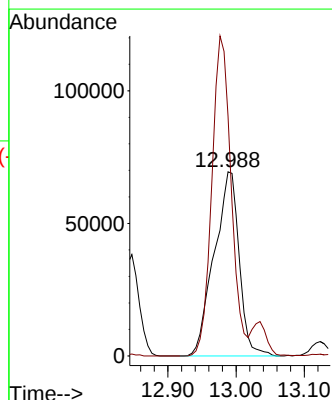
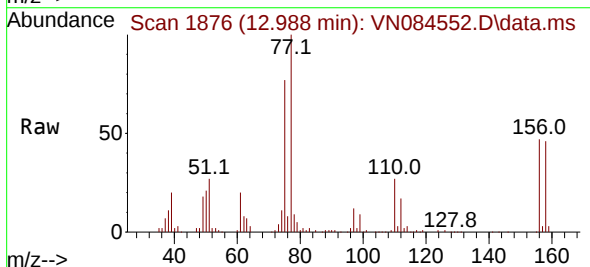
Instrument :  
 MSVOA\_N  
 ClientSampleId :

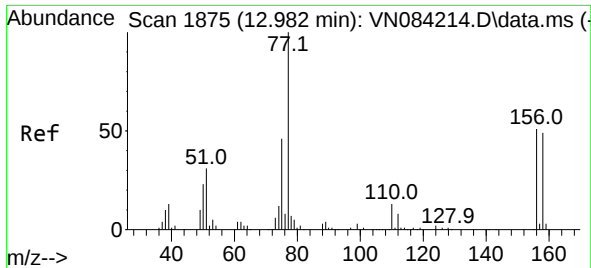
Tgt Ion: 83 Resp: 136022  
 Ion Ratio Lower Upper  
 83 100  
 131 10.2 4.9 14.7  
 85 64.4 31.9 95.7



#76  
 1,2,3-Trichloropropane  
 Concen: 71.928 ug/l  
 RT: 12.988 min Scan# 1876  
 Delta R.T. 0.000 min  
 Lab File: VN084552.D  
 Acq: 29 Oct 2024 09:52

Tgt Ion: 75 Resp: 177012  
 Ion Ratio Lower Upper  
 75 100  
 77 134.6 96.9 290.7

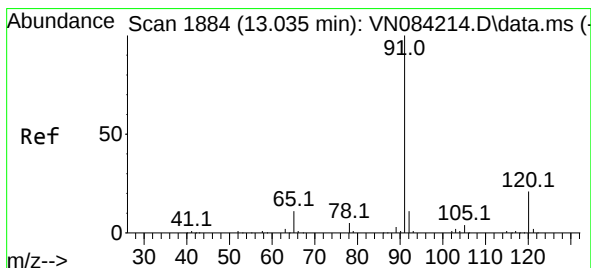
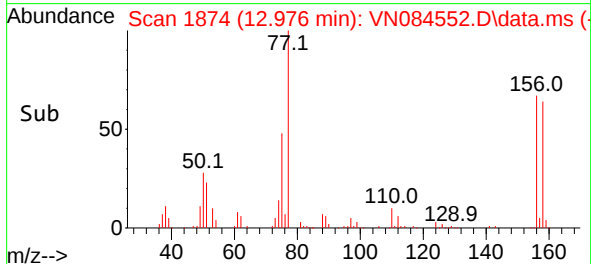
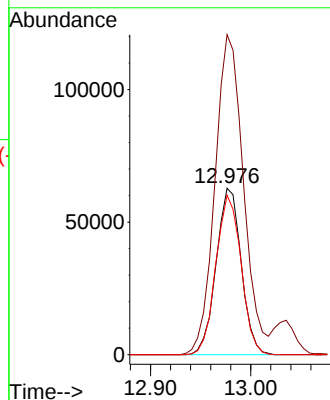
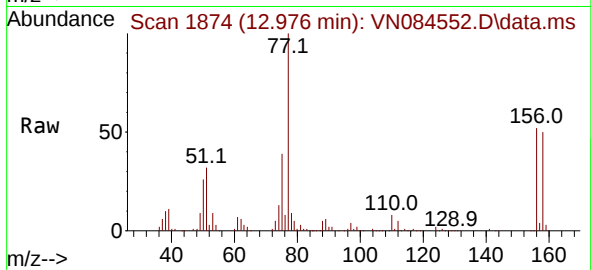




#77  
Bromobenzene  
Concen: 49.012 ug/l  
RT: 12.976 min Scan# 1874  
Delta R.T. -0.006 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

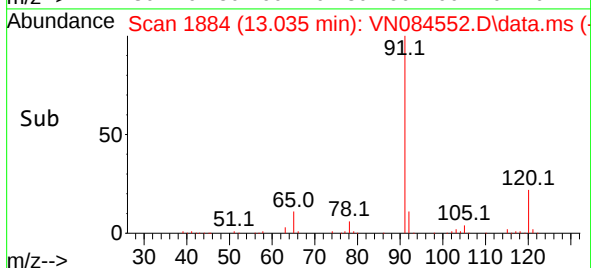
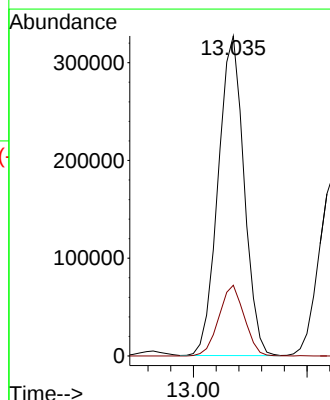
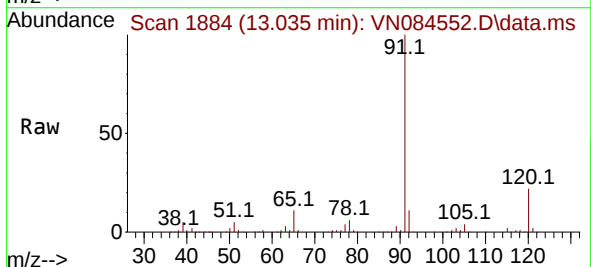
Instrument :  
MSVOA\_N  
ClientSampleId :

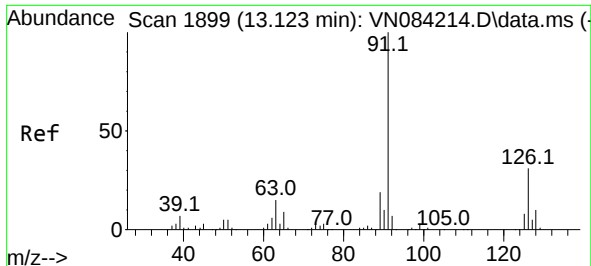
Tgt Ion:156 Resp: 108750  
Ion Ratio Lower Upper  
156 100  
77 219.2 115.1 345.3  
158 96.3 48.9 146.8



#78  
n-propylbenzene  
Concen: 48.555 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. 0.000 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

Tgt Ion: 91 Resp: 517481  
Ion Ratio Lower Upper  
91 100  
120 21.7 10.8 32.4





#79

2-Chlorotoluene

Concen: 47.208 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VN084552.D

Acq: 29 Oct 2024 09:52

Instrument :

MSVOA\_N

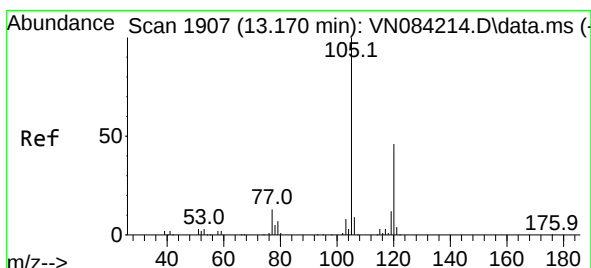
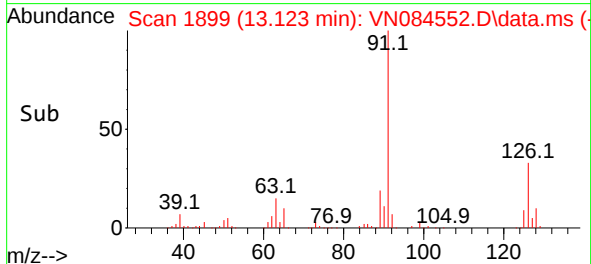
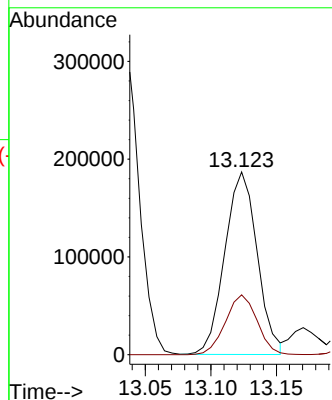
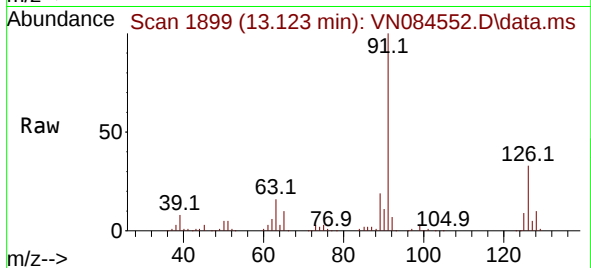
ClientSampleId :

Tgt Ion: 91 Resp: 321047

Ion Ratio Lower Upper

91 100

126 32.0 15.7 47.1



#80

1,3,5-Trimethylbenzene

Concen: 50.366 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN084552.D

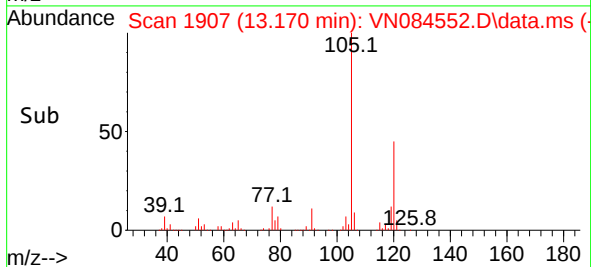
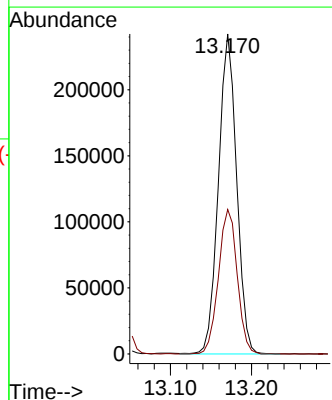
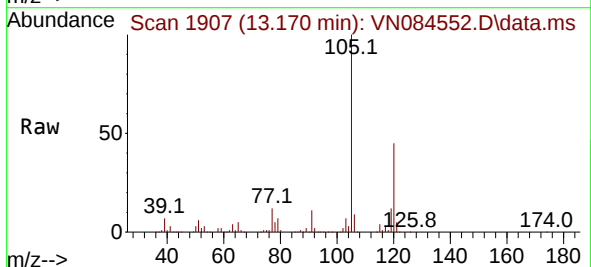
Acq: 29 Oct 2024 09:52

Tgt Ion:105 Resp: 377923

Ion Ratio Lower Upper

105 100

120 46.5 23.7 71.1

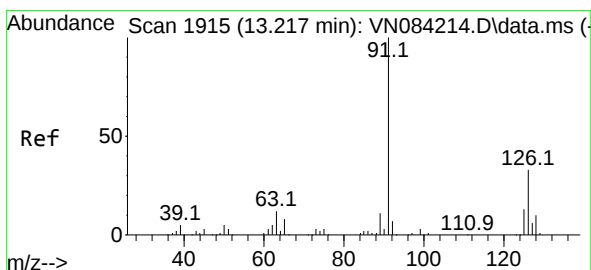
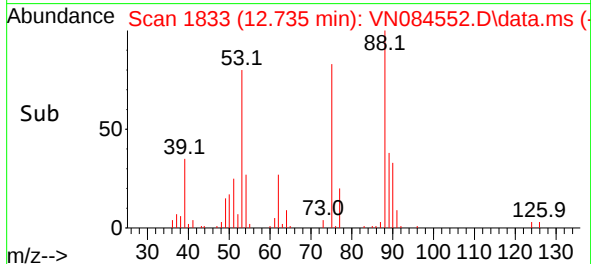
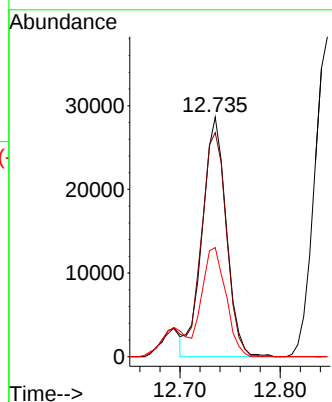
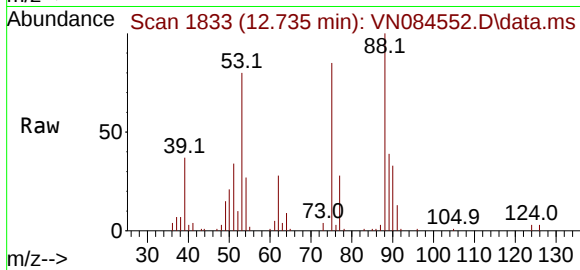




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 46.505 ug/l  
 RT: 12.735 min Scan# 1833  
 Delta R.T. 0.000 min  
 Lab File: VN084552.D  
 Acq: 29 Oct 2024 09:52

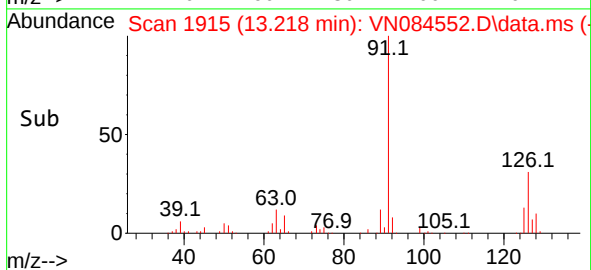
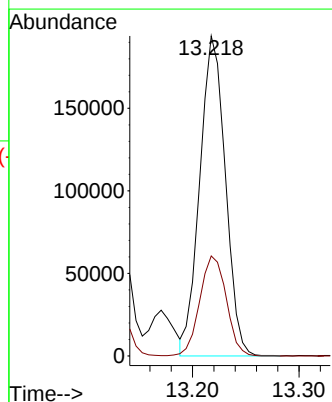
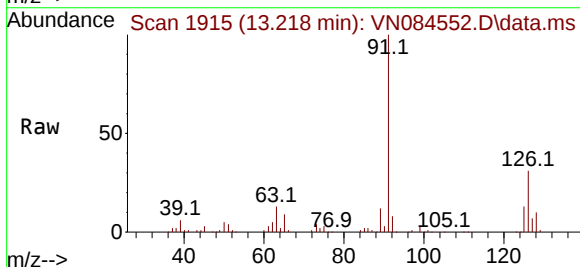
Instrument :  
 MSVOA\_N  
 ClientSampleId :

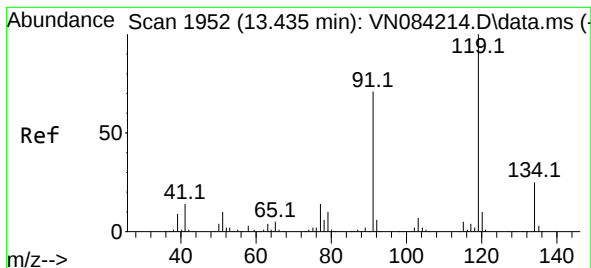
Tgt Ion: 75 Resp: 47737  
 Ion Ratio Lower Upper  
 75 100  
 53 96.0 78.0 117.0  
 89 44.8 35.5 53.3



#82  
 4-Chlorotoluene  
 Concen: 47.318 ug/l  
 RT: 13.218 min Scan# 1915  
 Delta R.T. 0.000 min  
 Lab File: VN084552.D  
 Acq: 29 Oct 2024 09:52

Tgt Ion: 91 Resp: 323939  
 Ion Ratio Lower Upper  
 91 100  
 126 32.3 15.7 47.1





#83

tert-Butylbenzene

Concen: 46.160 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VN084552.D

Acq: 29 Oct 2024 09:52

Instrument :

MSVOA\_N

ClientSampleId :

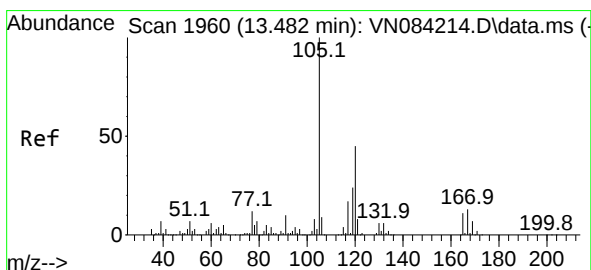
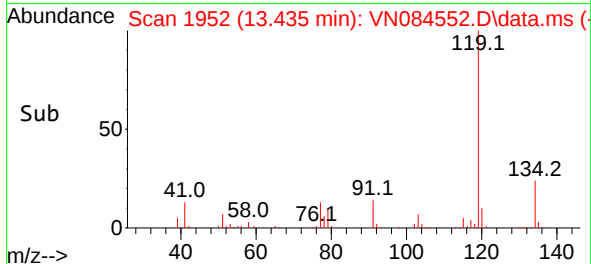
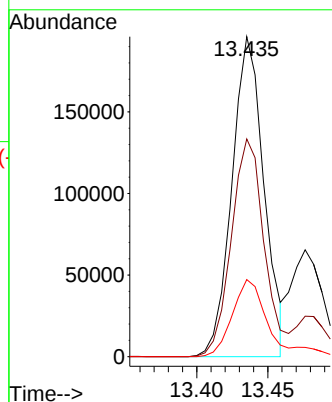
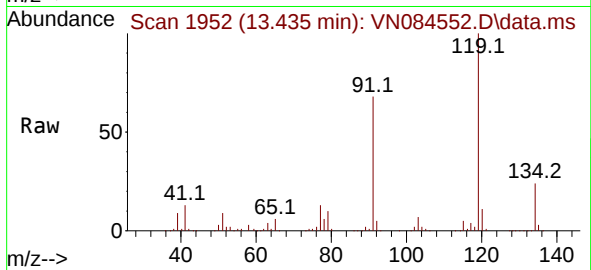
Tgt Ion:119 Resp: 307849

Ion Ratio Lower Upper

119 100

91 70.1 34.1 102.3

134 27.1 12.8 38.4



#84

1,2,4-Trimethylbenzene

Concen: 50.233 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN084552.D

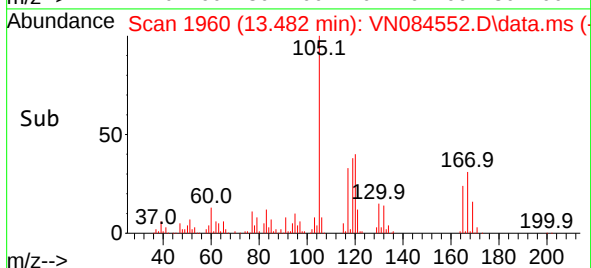
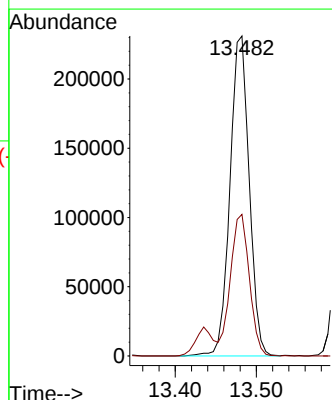
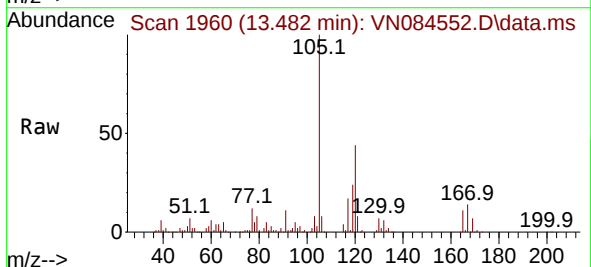
Acq: 29 Oct 2024 09:52

Tgt Ion:105 Resp: 379707

Ion Ratio Lower Upper

105 100

120 43.6 22.3 66.8

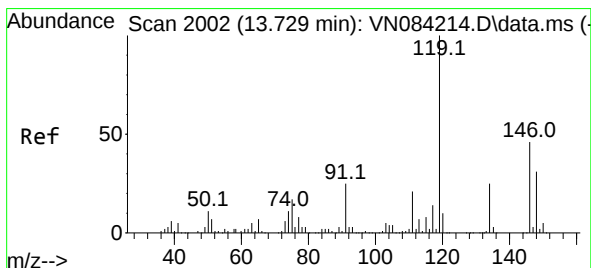
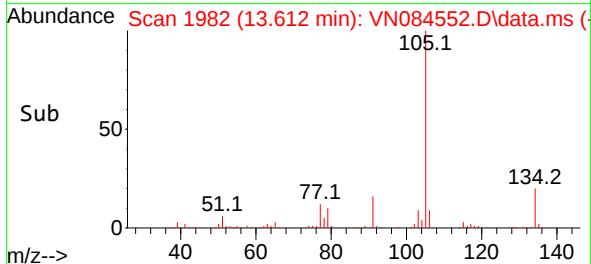
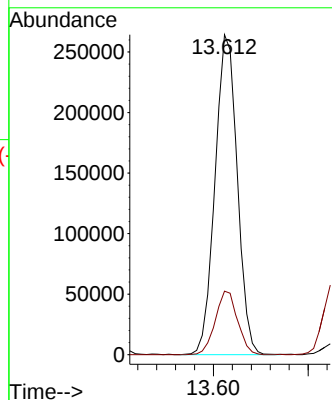
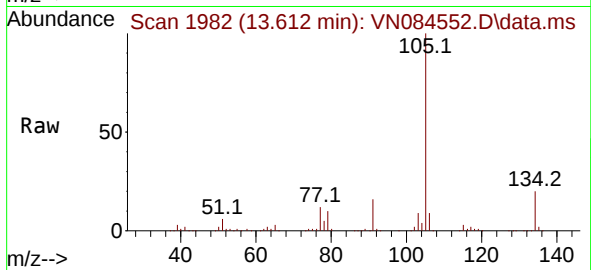




#85  
 sec-Butylbenzene  
 Concen: 48.531 ug/l  
 RT: 13.612 min Scan# 1983  
 Delta R.T. -0.006 min  
 Lab File: VN084552.D  
 Acq: 29 Oct 2024 09:52

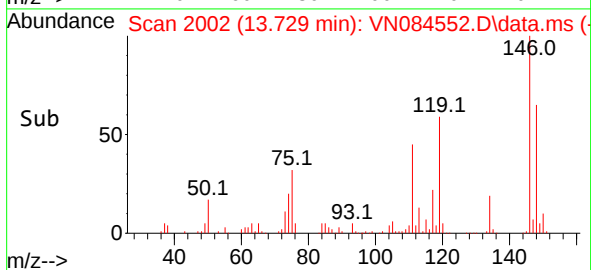
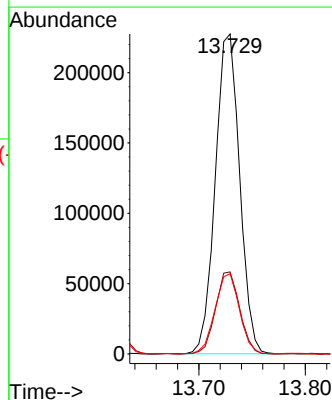
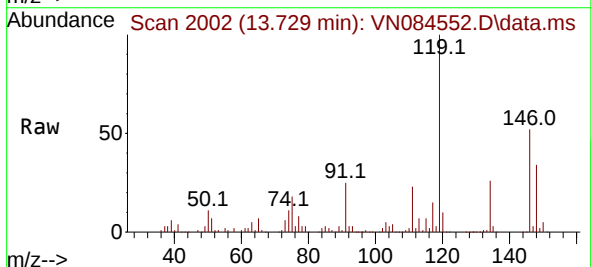
Instrument :  
 MSVOA\_N  
 ClientSampleId :

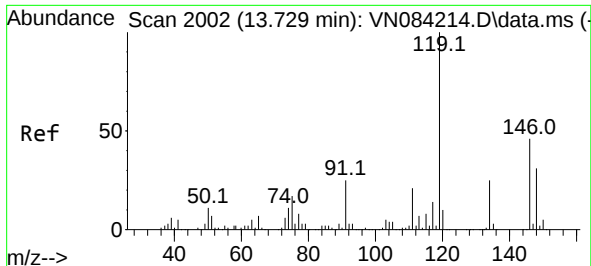
Tgt Ion:105 Resp: 431903  
 Ion Ratio Lower Upper  
 105 100  
 134 19.8 9.8 29.4



#86  
 p-Isopropyltoluene  
 Concen: 48.935 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.000 min  
 Lab File: VN084552.D  
 Acq: 29 Oct 2024 09:52

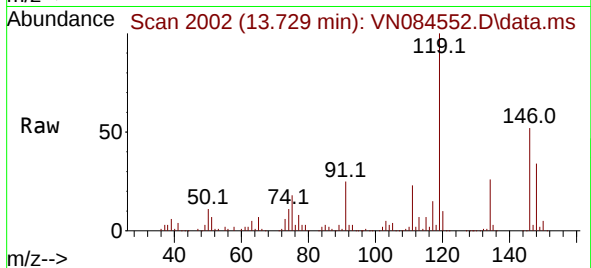
Tgt Ion:119 Resp: 360118  
 Ion Ratio Lower Upper  
 119 100  
 134 25.5 12.6 37.8  
 91 25.2 12.4 37.2



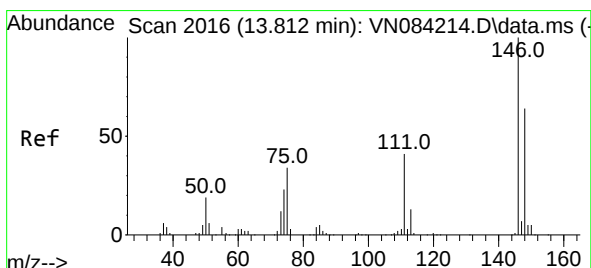
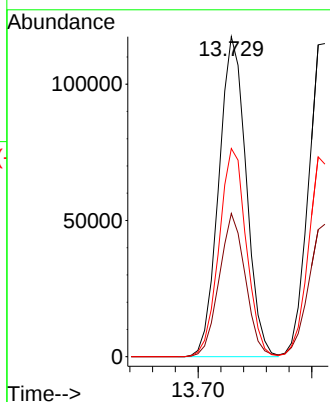
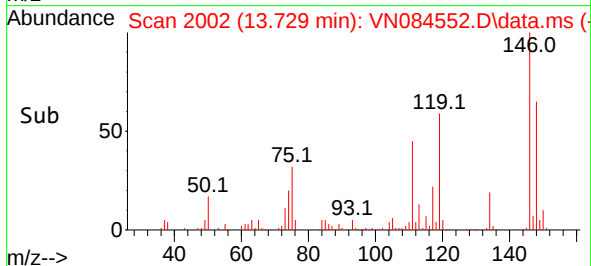


#87  
 1,3-Dichlorobenzene  
 Concen: 47.259 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.000 min  
 Lab File: VN084552.D  
 Acq: 29 Oct 2024 09:52

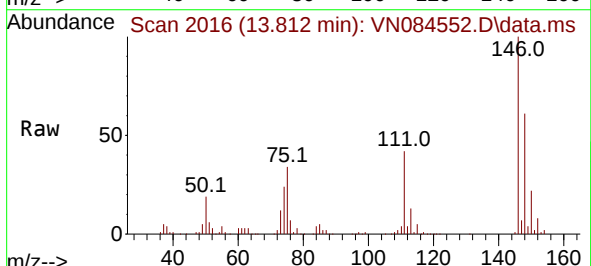
Instrument :  
 MSVOA\_N  
 ClientSampleId :



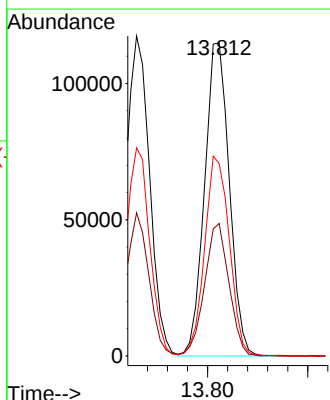
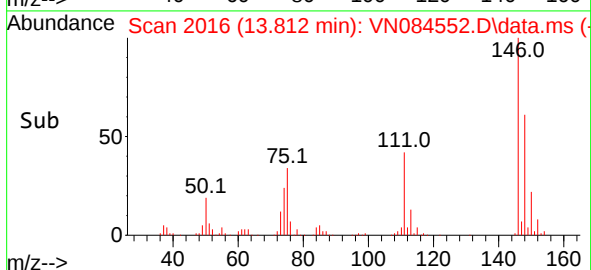
Tgt Ion:146 Resp: 196718  
 Ion Ratio Lower Upper  
 146 100  
 111 42.8 21.8 65.3  
 148 64.6 31.9 95.7

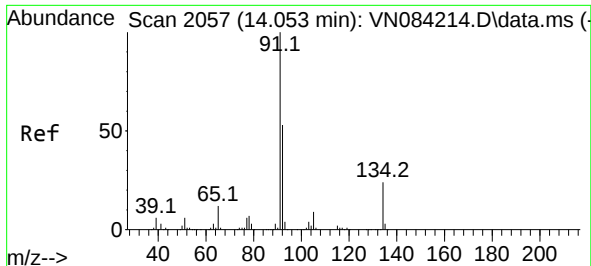


#88  
 1,4-Dichlorobenzene  
 Concen: 46.925 ug/l  
 RT: 13.812 min Scan# 2016  
 Delta R.T. 0.000 min  
 Lab File: VN084552.D  
 Acq: 29 Oct 2024 09:52



Tgt Ion:146 Resp: 197253  
 Ion Ratio Lower Upper  
 146 100  
 111 41.7 21.2 63.6  
 148 63.7 31.9 95.9

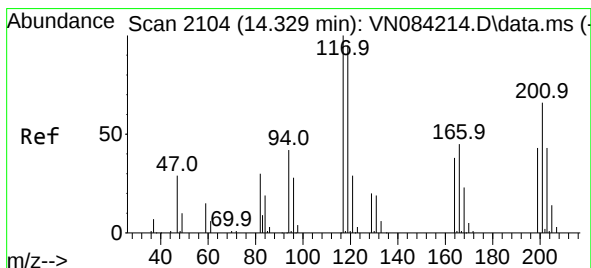
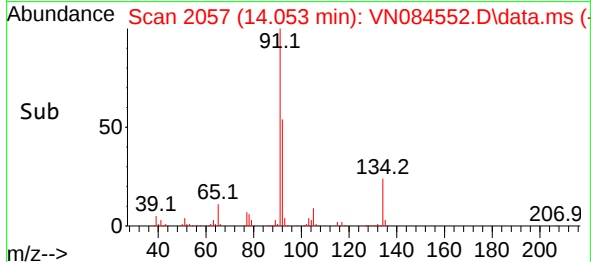
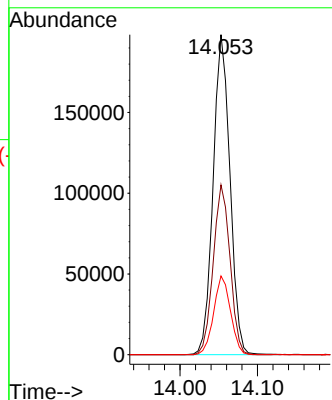
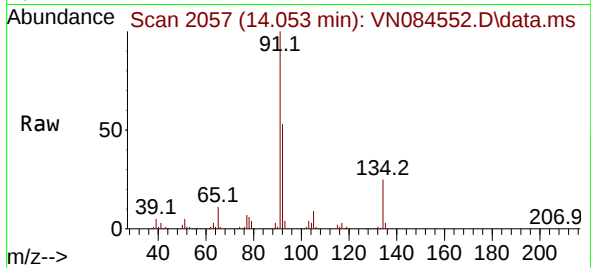




#89  
n-Butylbenzene  
Concen: 44.844 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. 0.000 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

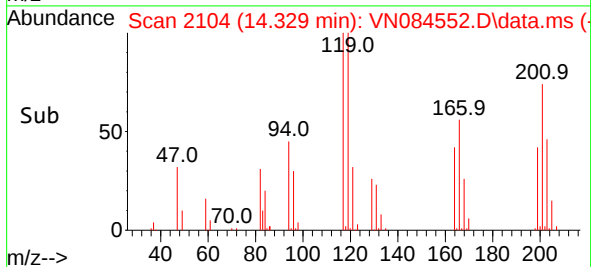
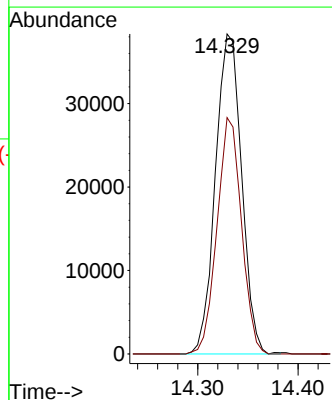
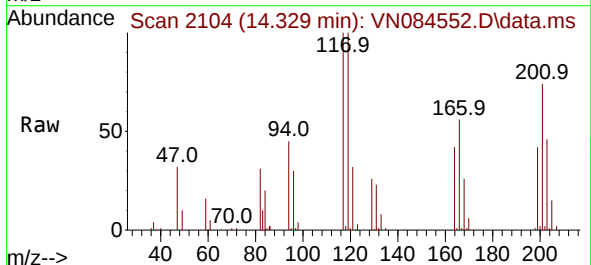
Instrument :  
MSVOA\_N  
ClientSampleId :

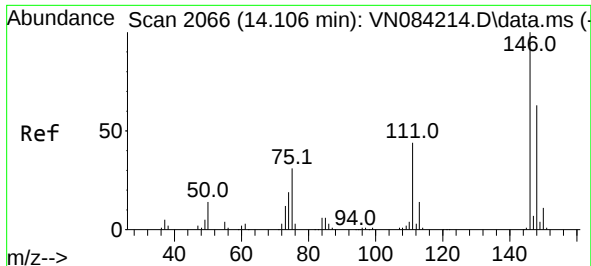
Tgt Ion: 91 Resp: 299237  
Ion Ratio Lower Upper  
91 100  
92 52.9 26.6 79.7  
134 24.5 12.3 36.9



#90  
Hexachloroethane  
Concen: 46.564 ug/l  
RT: 14.329 min Scan# 2104  
Delta R.T. 0.000 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

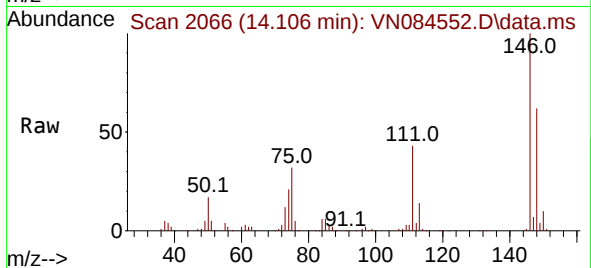
Tgt Ion: 117 Resp: 69556  
Ion Ratio Lower Upper  
117 100  
201 68.9 34.4 103.2



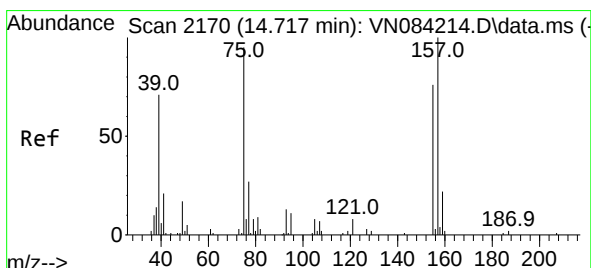
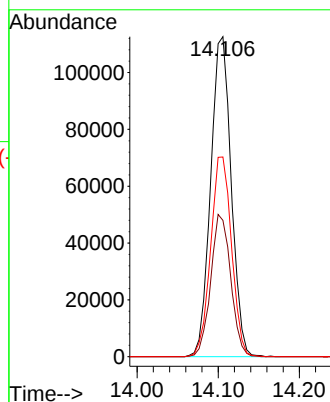
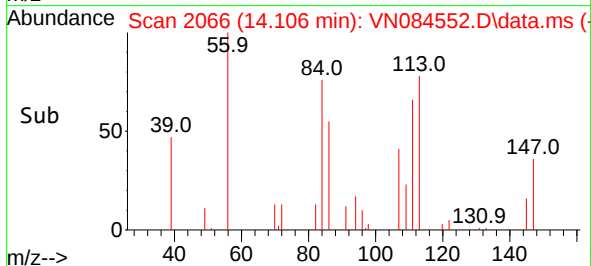


#91  
1,2-Dichlorobenzene  
Concen: 48.507 ug/l  
RT: 14.106 min Scan# 2066  
Delta R.T. 0.000 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

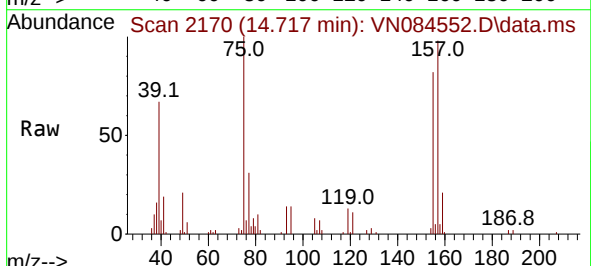
Instrument :  
MSVOA\_N  
ClientSampleId :



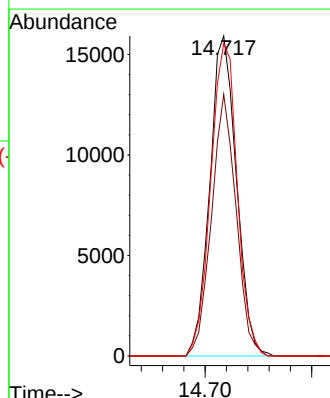
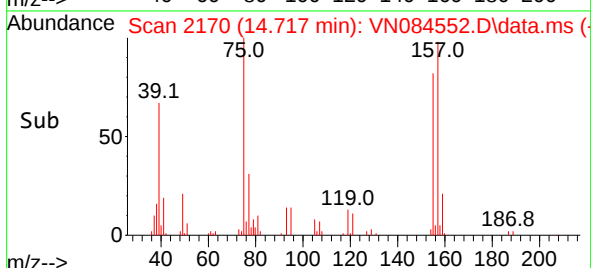
Tgt Ion:146 Resp: 197983  
Ion Ratio Lower Upper  
146 100  
111 43.3 22.0 66.0  
148 63.5 32.1 96.3

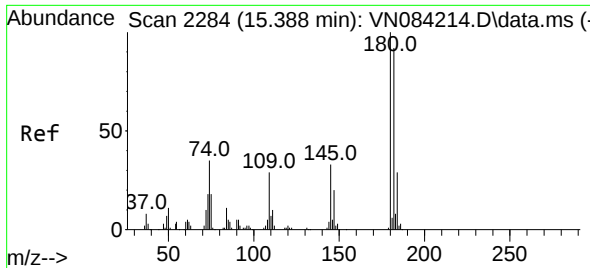


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 48.330 ug/l  
RT: 14.717 min Scan# 2170  
Delta R.T. 0.000 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52



Tgt Ion: 75 Resp: 27586  
Ion Ratio Lower Upper  
75 100  
155 75.5 38.1 114.5  
157 97.4 49.6 149.0

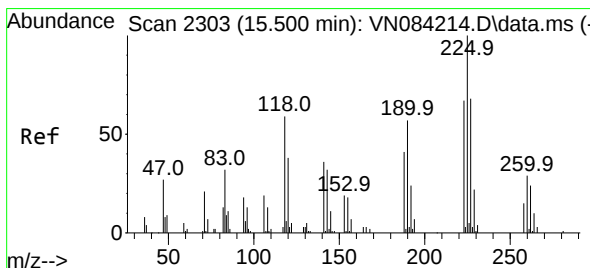
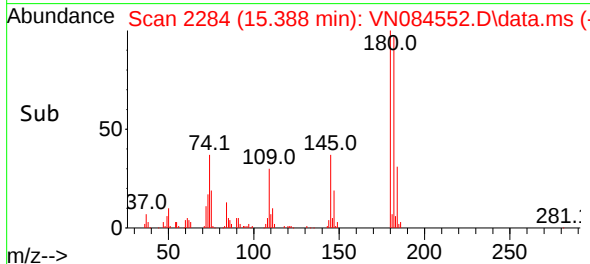
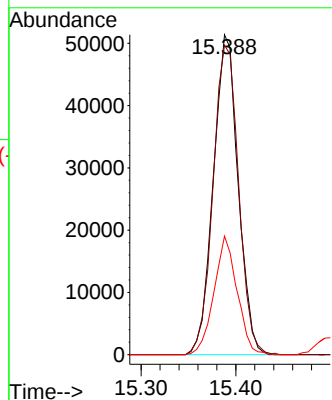
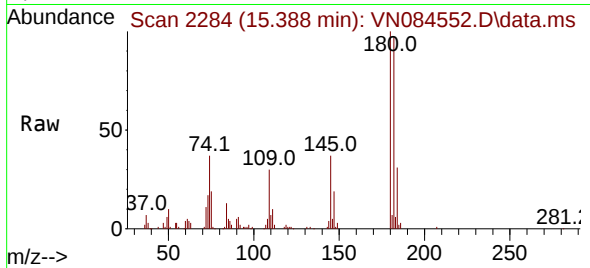




#93  
1,2,4-Trichlorobenzene  
Concen: 46.455 ug/l  
RT: 15.388 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

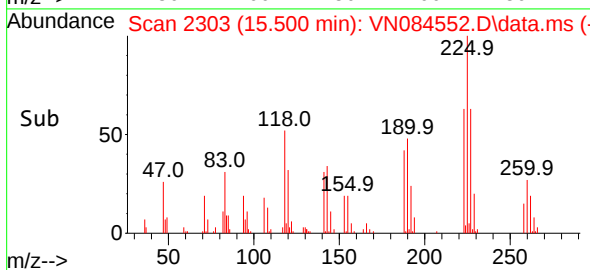
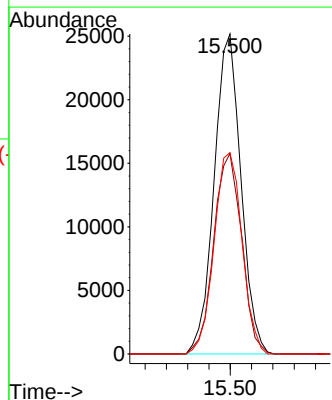
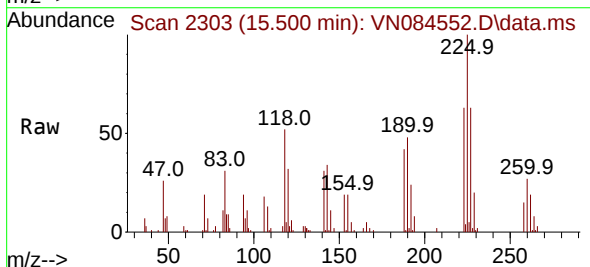
Instrument :  
MSVOA\_N  
ClientSampleId :

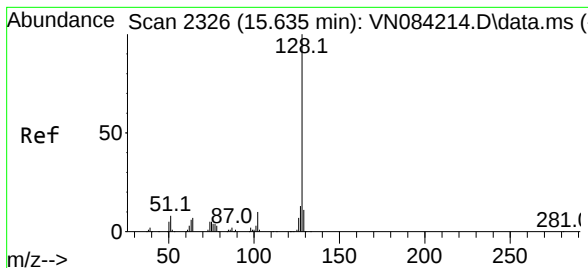
Tgt Ion:180 Resp: 93393  
Ion Ratio Lower Upper  
180 100  
182 99.6 47.0 141.0  
145 34.5 16.4 49.4



#94  
Hexachlorobutadiene  
Concen: 43.874 ug/l  
RT: 15.500 min Scan# 2303  
Delta R.T. 0.000 min  
Lab File: VN084552.D  
Acq: 29 Oct 2024 09:52

Tgt Ion:225 Resp: 43987  
Ion Ratio Lower Upper  
225 100  
223 65.1 32.4 97.2  
227 65.4 32.4 97.0





#95

Naphthalene

Concen: 46.537 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.006 min

Lab File: VN084552.D

Acq: 29 Oct 2024 09:52

Instrument :

MSVOA\_N

ClientSampleId :

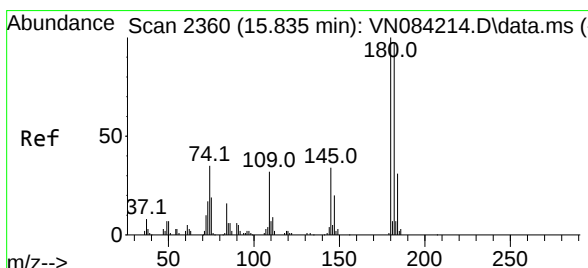
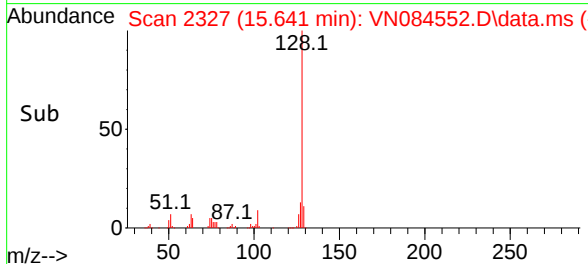
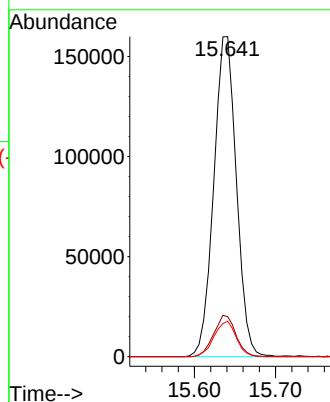
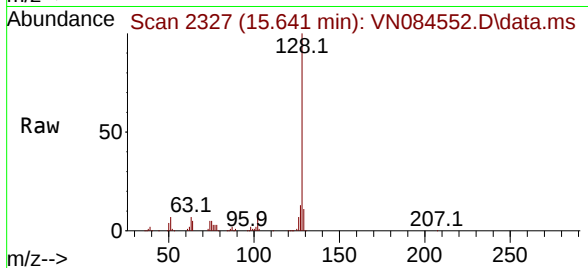
Tgt Ion:128 Resp: 310156

Ion Ratio Lower Upper

128 100

127 12.6 10.5 15.7

129 10.9 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 49.157 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. 0.000 min

Lab File: VN084552.D

Acq: 29 Oct 2024 09:52

Tgt Ion:180 Resp: 98924

Ion Ratio Lower Upper

180 100

182 95.4 48.2 144.6

145 34.2 17.3 51.9

