

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121624\  
 Data File : VN085208.D  
 Acq On : 16 Dec 2024 10:19  
 Operator : JC\MD  
 Sample : VN1216WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Dec 16 12:21:31 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N120624W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Dec 06 22:50:42 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Bromochloromethane        | 7.806  | 128   | 30825    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.100  | 114   | 169823   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.865 | 117   | 155663   | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.577  | 65    | 73444    | 30.028   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 110 | Recovery | =      | 100.100% |
| 60) 4-Bromofluorobenzene     | 12.847 | 95    | 76379    | 29.655   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 63 - 112 | Recovery | =      | 98.833%  |
| 63) Toluene-d8               | 10.565 | 98    | 216652   | 29.671   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 112 | Recovery | =      | 98.900%  |
| Target Compounds             |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.124  | 85    | 49525    | 20.082   | ug/l   | 96       |
| 3) Chloromethane             | 2.359  | 50    | 42692    | 19.558   | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.518  | 62    | 42995    | 19.257   | ug/l   | 97       |
| 5) Bromomethane              | 2.965  | 94    | 28290    | 19.958   | ug/l   | 99       |
| 6) Chloroethane              | 3.124  | 64    | 27287    | 19.893   | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 3.500  | 101   | 72626    | 19.872   | ug/l   | 94       |
| 8) Diethyl Ether             | 3.959  | 74    | 22934    | 19.812   | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.377  | 101   | 38921    | 19.044   | ug/l   | 92       |
| 10) 1,1-Dichloroethene       | 4.347  | 96    | 36972    | 19.695   | ug/l   | 96       |
| 11) Methyl Iodide            | 4.589  | 142   | 45944    | 17.647   | ug/l   | 98       |
| 12) Methyl Acetate           | 5.024  | 43    | 42168    | 19.041   | ug/l   | 91       |
| 13) Acrolein                 | 4.183  | 56    | 34873    | 108.358  | ug/l   | 94       |
| 14) Acrylonitrile            | 5.718  | 53    | 85647    | 93.137   | ug/l   | 97       |
| 15) Acetone                  | 4.430  | 58    | 25905    | 103.954  | ug/l   | 96       |
| 16) Carbon Disulfide         | 4.712  | 76    | 106931   | 19.057   | ug/l   | 99       |
| 17) Allyl chloride           | 5.024  | 41    | 53377    | 19.871   | ug/l   | 94       |
| 18) Methylene Chloride       | 5.277  | 84    | 39484    | 18.537   | ug/l   | 93       |
| 19) trans-1,2-Dichloroethene | 5.789  | 96    | 38087    | 19.519   | ug/l   | 89       |
| 20) Diisopropyl ether        | 6.665  | 45    | 115380   | 19.573   | ug/l   | 97       |
| 21) 1,1-Dichloroethane       | 6.559  | 63    | 71315    | 19.601   | ug/l   | 98       |
| 22) cis-1,2-Dichloroethene   | 7.483  | 96    | 43904    | 19.576   | ug/l   | 99       |
| 23) tert-Butyl Alcohol       | 5.506  | 59    | 31898    | 96.694   | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.794  | 73    | 116497   | 19.863   | ug/l # | 76       |
| 25) Chloroform               | 7.965  | 83    | 75307    | 19.757   | ug/l   | 94       |
| 26) Cyclohexane              | 8.253  | 56    | 57940    | 19.340   | ug/l # | 95       |
| 29) 1,1-Dichloropropene      | 8.365  | 75    | 50315    | 18.361   | ug/l   | 99       |
| 30) 2-Butanone               | 7.483  | 43    | 116422   | 92.579   | ug/l   | 99       |
| 31) 2,2-Dichloropropane      | 7.488  | 77    | 65751    | 18.711   | ug/l # | 100      |
| 32) 1,1,1-Trichloroethane    | 8.171  | 97    | 69008    | 18.605   | ug/l   | 97       |
| 33) Carbon Tetrachloride     | 8.359  | 117   | 63544    | 18.985   | ug/l   | 94       |
| 34) Benzene                  | 8.606  | 78    | 158668   | 18.431   | ug/l   | 99       |
| 35) Methacrylonitrile        | 7.777  | 41    | 26103    | 18.445   | ug/l   | 87       |
| 36) 1,2-Dichloroethane       | 8.665  | 62    | 53550    | 18.273   | ug/l   | 100      |
| 37) Trichloroethene          | 9.347  | 130   | 37914    | 18.494   | ug/l   | 95       |
| 38) Methylcyclohexane        | 9.600  | 83    | 55860    | 18.747   | ug/l   | 95       |
| 39) 1,2-Dichloropropane      | 9.618  | 63    | 38631    | 18.527   | ug/l   | 98       |
| 40) Dibromomethane           | 9.706  | 93    | 27987    | 18.712   | ug/l   | 97       |
| 41) Bromodichloromethane     | 9.882  | 83    | 58391    | 18.262   | ug/l   | 96       |
| 42) Vinyl Acetate            | 6.600  | 43    | 416125   | 94.564   | ug/l   | 99       |

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 Operator : JC\MD  
 Sample : VN1216WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

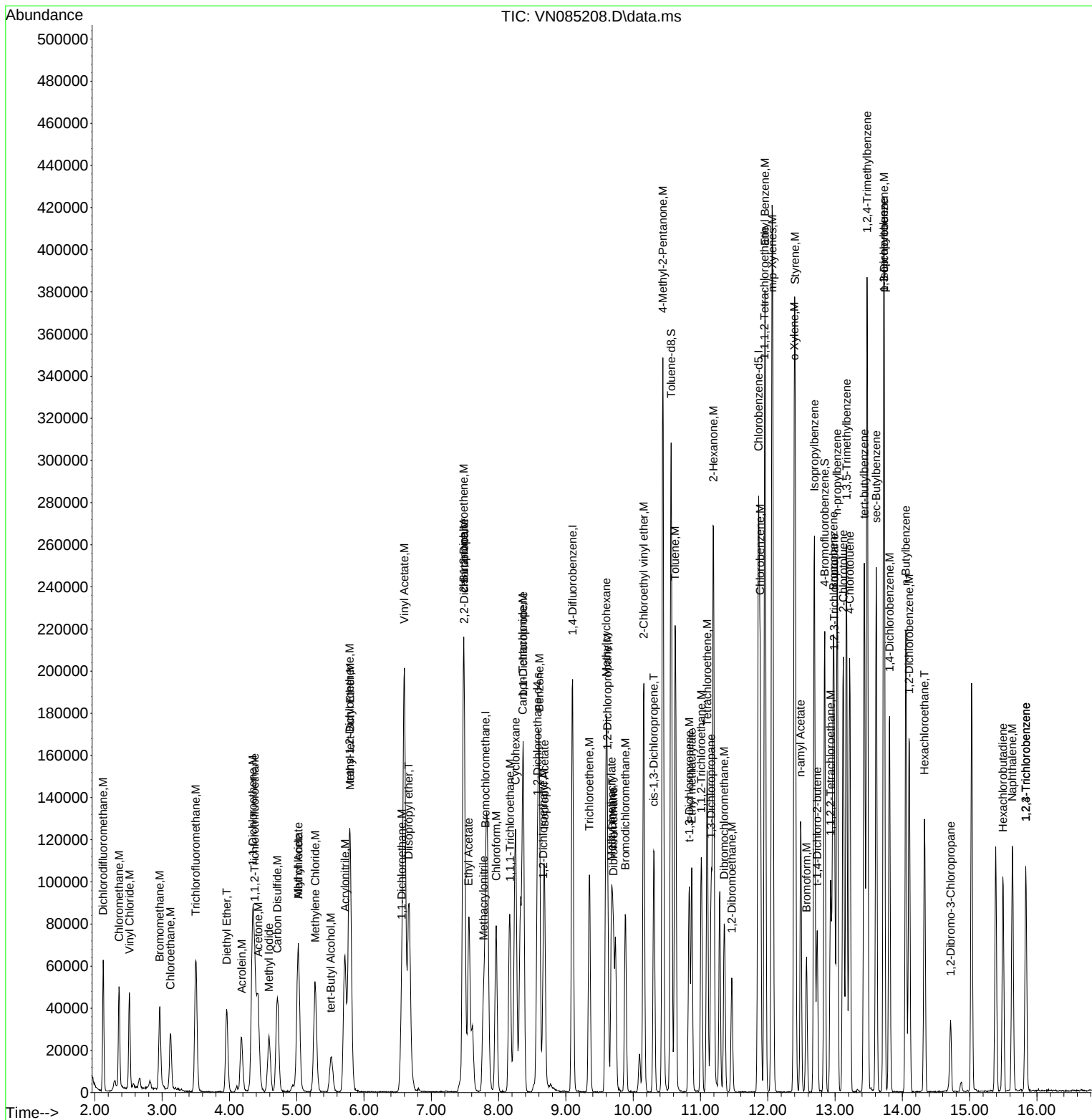
Instrument :  
 MSVOA\_N  
 ClientSampleId :

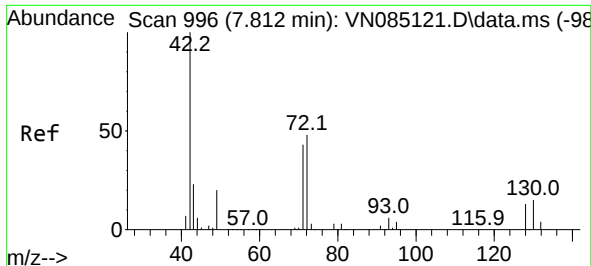
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Dec 06 22:50:42 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 43) Ethyl Acetate             | 7.553  | 43   | 46077    | 18.415  | ug/l  | 92       |
| 44) Isopropyl Acetate         | 8.682  | 43   | 79121    | 18.196  | ug/l  | 100      |
| 45) 1,4-Dioxane               | 9.694  | 88   | 13749    | 379.179 | ug/l  | 98       |
| 46) Methyl methacrylate       | 9.677  | 41   | 36110    | 18.146  | ug/l  | 95       |
| 47) n-amyl Acetate            | 12.488 | 43   | 65132    | 17.803  | ug/l  | 97       |
| 48) t-1,3-Dichloropropene     | 10.835 | 75   | 57919    | 18.453  | ug/l  | 100      |
| 49) cis-1,3-Dichloropropene   | 10.306 | 75   | 63332    | 18.535  | ug/l  | 98       |
| 50) 1,1,2-Trichloroethane     | 11.012 | 97   | 36370    | 18.046  | ug/l  | 91       |
| 51) Ethyl methacrylate        | 10.871 | 69   | 55409    | 18.076  | ug/l  | 98       |
| 52) 1,3-Dichloropropane       | 11.159 | 76   | 61421    | 18.210  | ug/l  | 99       |
| 53) Dibromochloromethane      | 11.353 | 129  | 45949    | 18.708  | ug/l  | 99       |
| 54) 1,2-Dibromoethane         | 11.465 | 107  | 37104    | 18.272  | ug/l  | 99       |
| 55) 2-Chloroethyl vinyl ether | 10.159 | 63   | 86871    | 61.005  | ug/l  | 100      |
| 56) Bromoform                 | 12.576 | 173  | 29455    | 17.887  | ug/l  | 99       |
| 58) 4-Methyl-2-Pentanone      | 10.441 | 43   | 230551   | 90.751  | ug/l  | 98       |
| 59) 2-Hexanone                | 11.194 | 43   | 172668   | 89.701  | ug/l  | 97       |
| 61) Tetrachloroethene         | 11.100 | 164  | 36077    | 19.138  | ug/l  | 91       |
| 62) Toluene                   | 10.624 | 91   | 171579   | 18.900  | ug/l  | 100      |
| 64) Chlorobenzene             | 11.888 | 112  | 105060   | 18.744  | ug/l  | 98       |
| 65) 1,1,1,2-Tetrachloroethane | 11.953 | 131  | 38827    | 18.556  | ug/l  | 98       |
| 66) Ethyl Benzene             | 11.959 | 91   | 180124   | 18.698  | ug/l  | 96       |
| 67) m/p-Xylenes               | 12.070 | 106  | 140933   | 38.037  | ug/l  | 98       |
| 68) o-Xylene                  | 12.394 | 106  | 66910    | 19.229  | ug/l  | 97       |
| 69) Styrene                   | 12.406 | 104  | 110123   | 18.651  | ug/l  | 99       |
| 70) Isopropylbenzene          | 12.694 | 105  | 172891   | 19.264  | ug/l  | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 50789    | 18.592  | ug/l  | 99       |
| 72) 1,2,3-Trichloropropane    | 12.988 | 75   | 66535    | 24.657  | ug/l  | 75       |
| 73) Bromobenzene              | 12.976 | 156  | 41970    | 18.670  | ug/l  | 99       |
| 74) n-propylbenzene           | 13.029 | 91   | 200993   | 18.628  | ug/l  | 99       |
| 75) 2-Chlorotoluene           | 13.123 | 91   | 126691   | 18.991  | ug/l  | 99       |
| 76) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 148740   | 19.344  | ug/l  | 100      |
| 77) t-1,4-Dichloro-2-butene   | 12.735 | 75   | 18403    | 18.768  | ug/l  | 99       |
| 78) 4-Chlorotoluene           | 13.217 | 91   | 127983   | 18.901  | ug/l  | 99       |
| 79) tert-butylbenzene         | 13.435 | 119  | 119374   | 18.902  | ug/l  | 96       |
| 80) 1,2,4-Trimethylbenzene    | 13.476 | 105  | 147735   | 19.451  | ug/l  | 99       |
| 81) sec-Butylbenzene          | 13.612 | 105  | 170821   | 19.039  | ug/l  | 99       |
| 82) p-Isopropyltoluene        | 13.723 | 119  | 143795   | 19.331  | ug/l  | 100      |
| 83) 1,3-Dichlorobenzene       | 13.729 | 146  | 76871    | 18.638  | ug/l  | 98       |
| 84) 1,4-Dichlorobenzene       | 13.812 | 146  | 76385    | 19.003  | ug/l  | 99       |
| 85) n-Butylbenzene            | 14.053 | 91   | 119073   | 19.083  | ug/l  | 100      |
| 86) Hexachloroethane          | 14.329 | 117  | 27875    | 18.824  | ug/l  | 93       |
| 87) 1,2-Dichlorobenzene       | 14.100 | 146  | 72871    | 18.718  | ug/l  | 99       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 9899     | 18.139  | ug/l  | 99       |
| 89) 1,2,4-Trichlorobenzene    | 15.835 | 180  | 37230    | 19.527  | ug/l  | 96       |
| 90) Hexachlorobutadiene       | 15.494 | 225  | 20120    | 20.308  | ug/l  | 97       |
| 91) Naphthalene               | 15.635 | 128  | 112126   | 18.930  | ug/l  | 98       |
| 92) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 37230    | 19.527  | ug/l  | 96       |

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

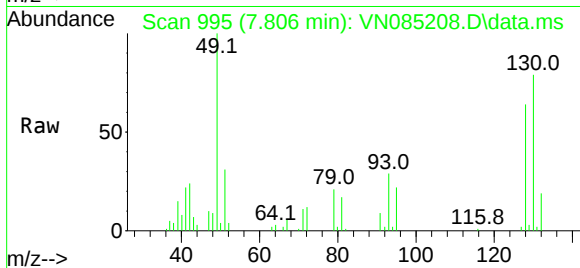
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N120624W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Dec 06 22:50:42 2024  
Response via : Initial Calibration



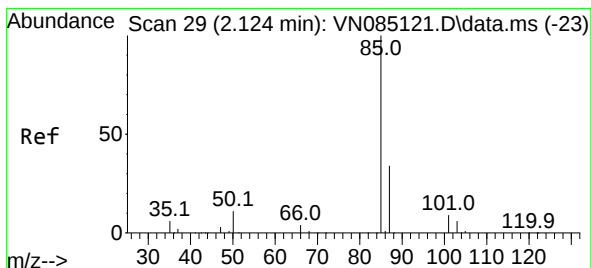
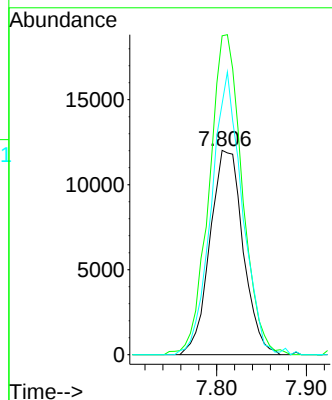
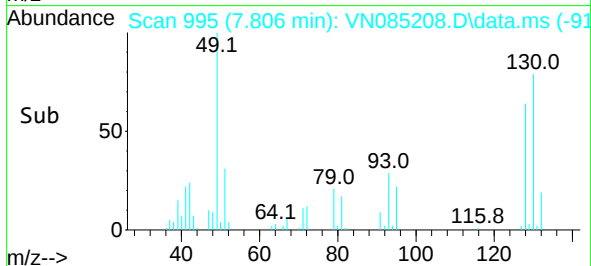


#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.806 min Scan# 996  
Delta R.T. -0.006 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

Instrument :  
MSVOA\_N  
ClientSampleId :

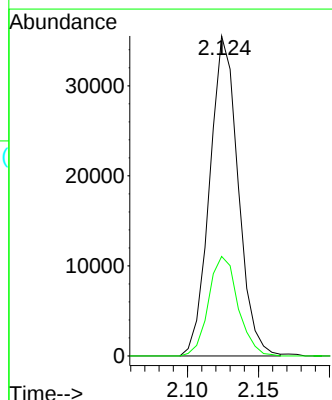
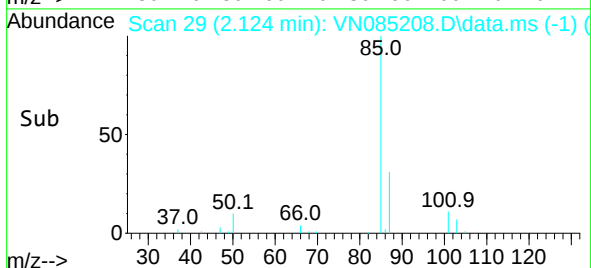
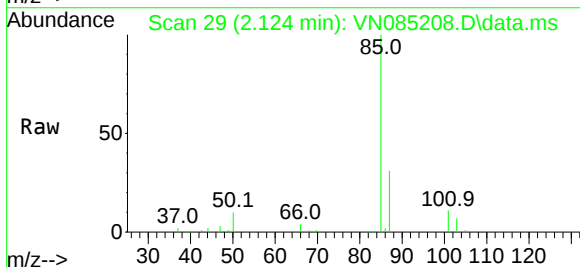


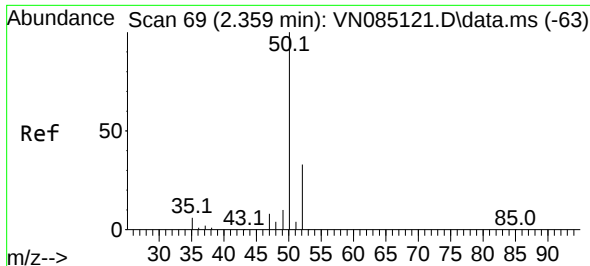
Tgt Ion:128 Resp: 30825  
Ion Ratio Lower Upper  
128 100  
49 156.0 0.0 394.5  
130 128.2 0.0 316.5



#2  
Dichlorodifluoromethane  
Concen: 20.082 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

Tgt Ion: 85 Resp: 49525  
Ion Ratio Lower Upper  
85 100  
87 31.1 16.8 50.3

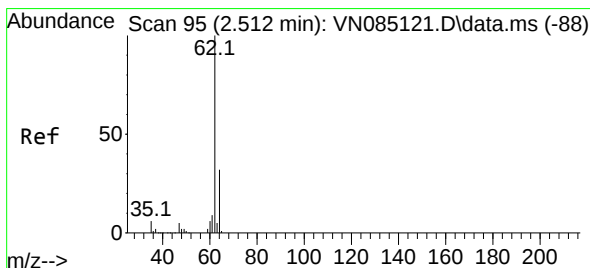
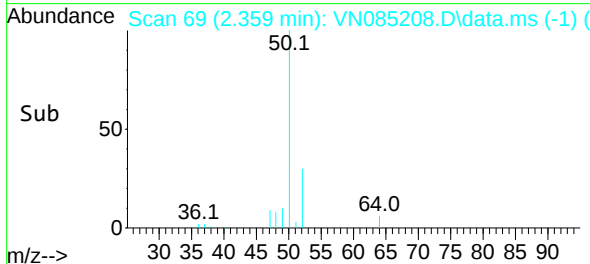
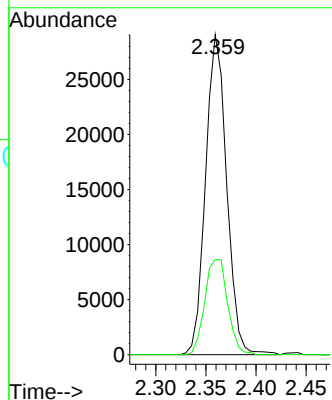
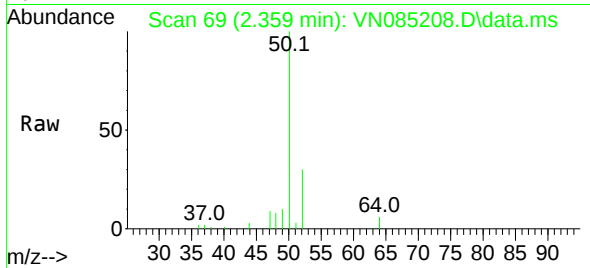




#3  
Chloromethane  
Concen: 19.558 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

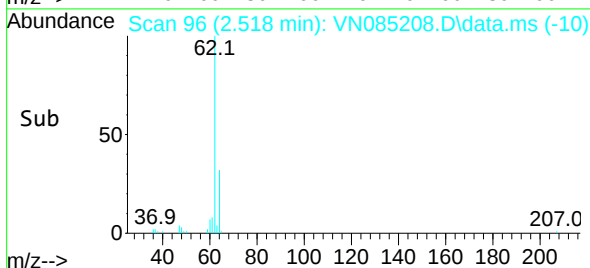
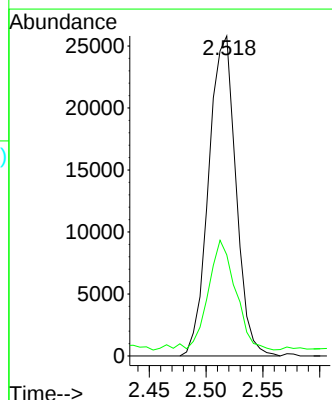
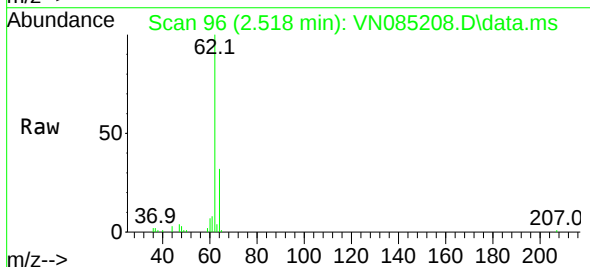
Instrument :  
MSVOA\_N  
ClientSampleId :

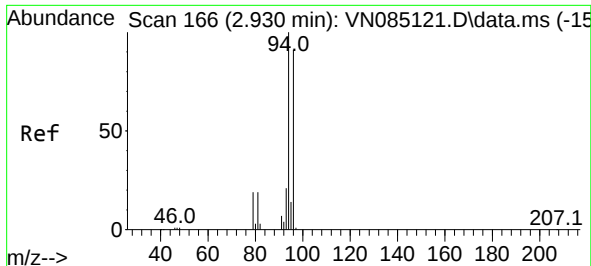
Tgt Ion: 50 Resp: 42692  
Ion Ratio Lower Upper  
50 100  
52 29.7 25.0 37.4



#4  
Vinyl Chloride  
Concen: 19.257 ug/l  
RT: 2.518 min Scan# 96  
Delta R.T. 0.006 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

Tgt Ion: 62 Resp: 42995  
Ion Ratio Lower Upper  
62 100  
64 29.6 24.9 37.3

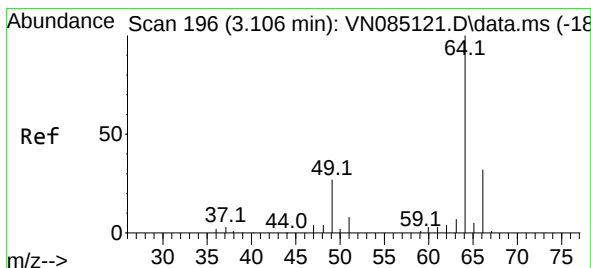
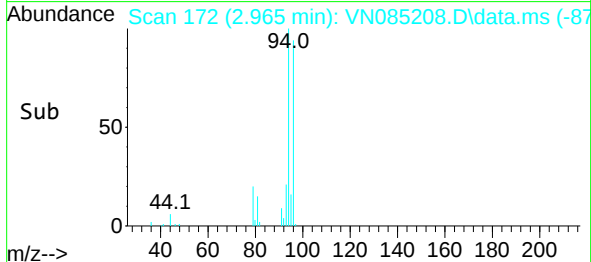
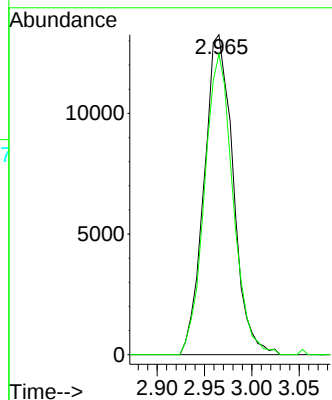
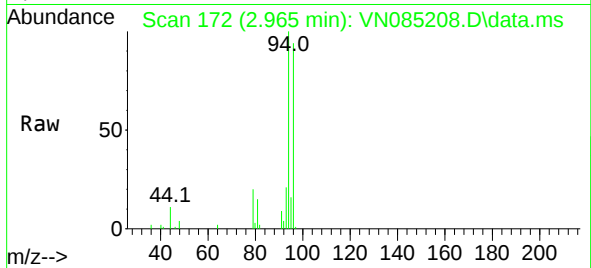




#5  
Bromomethane  
Concen: 19.958 ug/l  
RT: 2.965 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

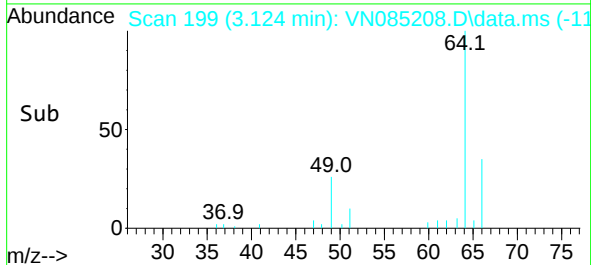
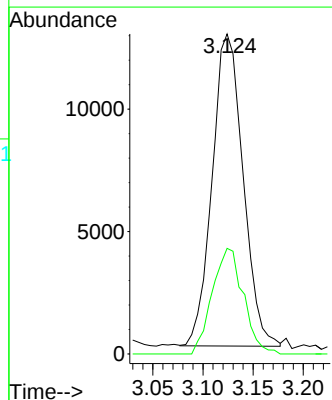
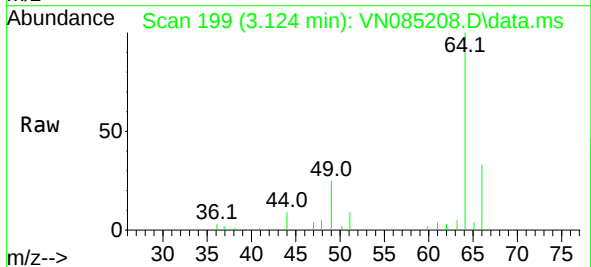
Instrument :  
MSVOA\_N  
ClientSampleId :

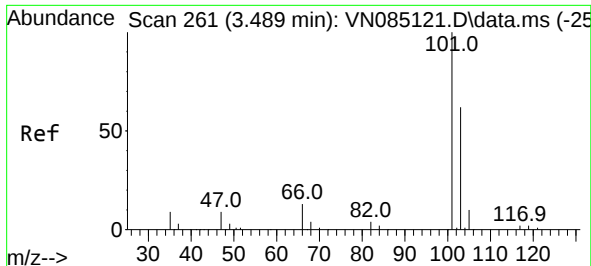
Tgt Ion: 94 Resp: 28290  
Ion Ratio Lower Upper  
94 100  
96 93.9 76.2 114.4



#6  
Chloroethane  
Concen: 19.893 ug/l  
RT: 3.124 min Scan# 199  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

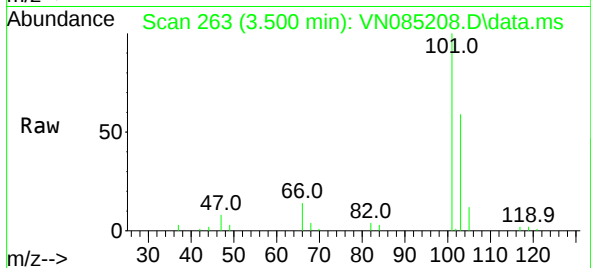
Tgt Ion: 64 Resp: 27287  
Ion Ratio Lower Upper  
64 100  
66 33.9 25.5 38.3



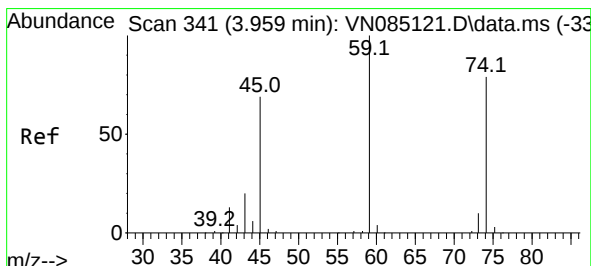
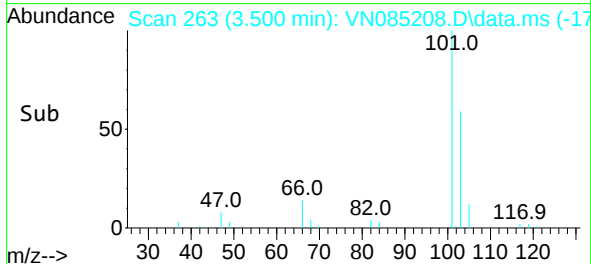
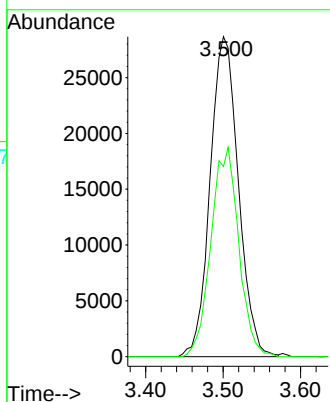


#7  
 Trichlorofluoromethane  
 Concen: 19.872 ug/l  
 RT: 3.500 min Scan# 261  
 Delta R.T. 0.000 min  
 Lab File: VN085208.D  
 Acq: 16 Dec 2024 10:19

Instrument :  
 MSVOA\_N  
 ClientSampleId :

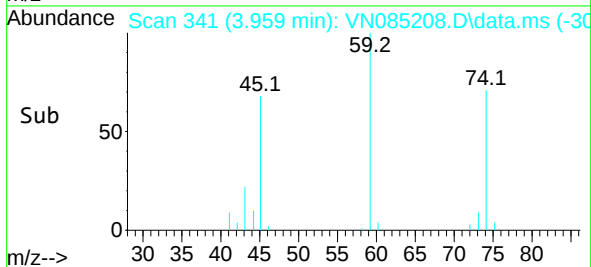
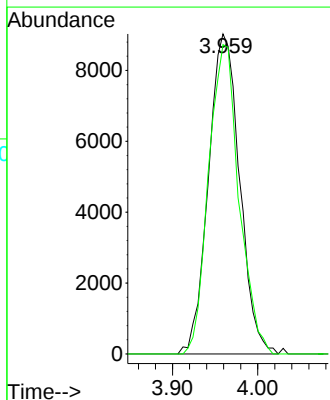
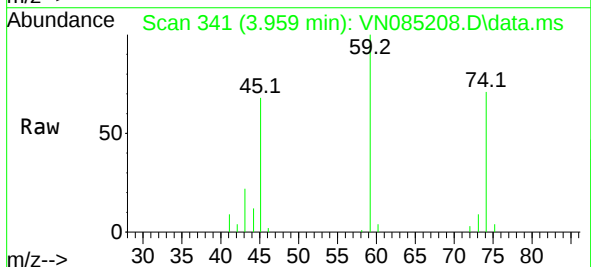


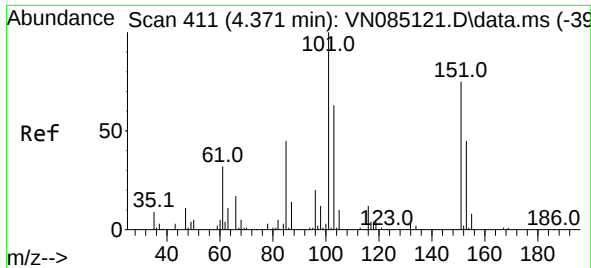
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 Ion Ratio Lower Upper  
 101 100  
 103 59.5 51.3 76.9



#8  
 Diethyl Ether  
 Concen: 19.812 ug/l  
 RT: 3.959 min Scan# 341  
 Delta R.T. 0.000 min  
 Lab File: VN085208.D  
 Acq: 16 Dec 2024 10:19

Tgt Ion: 74 Resp: 22934  
 Ion Ratio Lower Upper  
 74 100  
 45 94.4 18.6 167.8

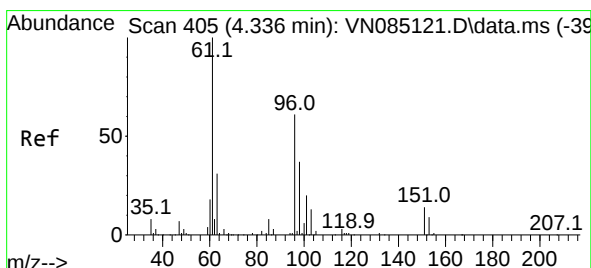
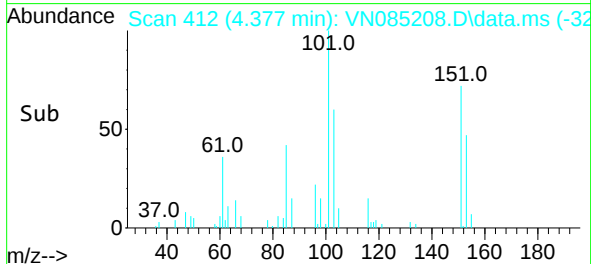
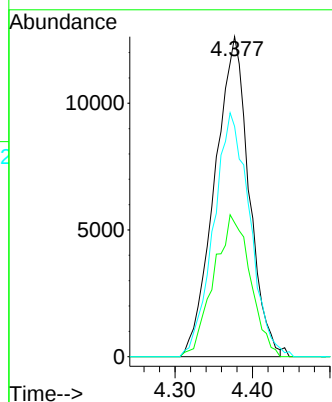
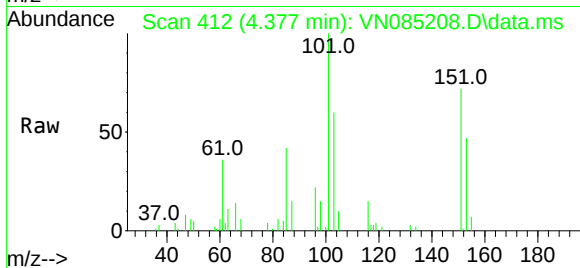




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 19.044 ug/l  
RT: 4.377 min Scan# 411  
Delta R.T. 0.006 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

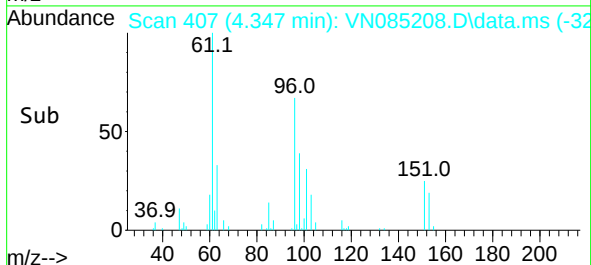
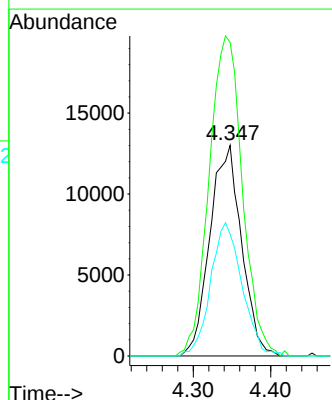
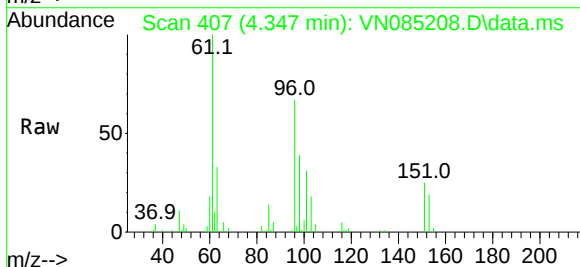
Instrument :  
MSVOA\_N  
ClientSampleId :

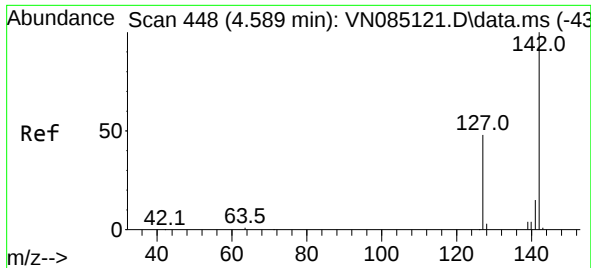
Tgt Ion:101 Resp: 38921  
Ion Ratio Lower Upper  
101 100  
85 32.3 0.0 88.6  
151 80.3 0.0 155.8



#10  
1,1-Dichloroethene  
Concen: 19.695 ug/l  
RT: 4.347 min Scan# 407  
Delta R.T. 0.006 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

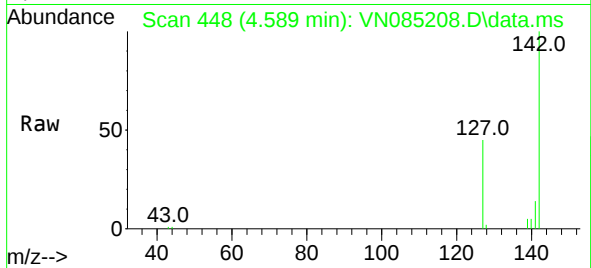
Tgt Ion: 96 Resp: 36972  
Ion Ratio Lower Upper  
96 100  
61 148.9 123.0 184.4  
98 57.8 49.1 73.7



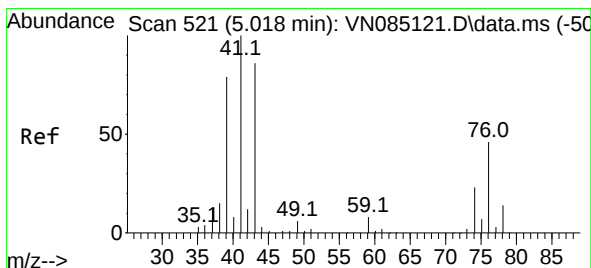
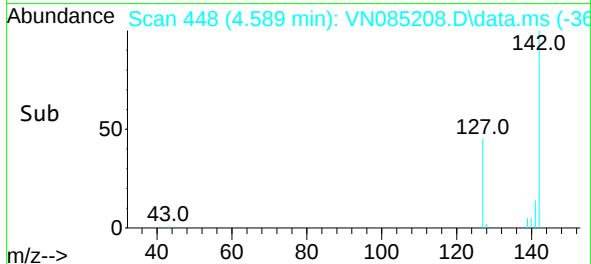
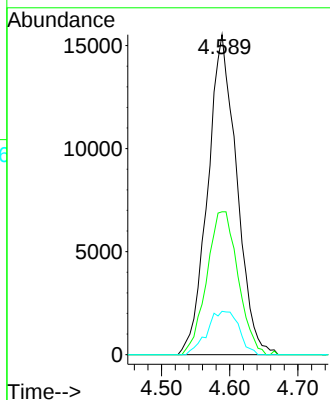


#11  
Methyl Iodide  
Concen: 17.647 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

Instrument :  
MSVOA\_N  
ClientSampleId :

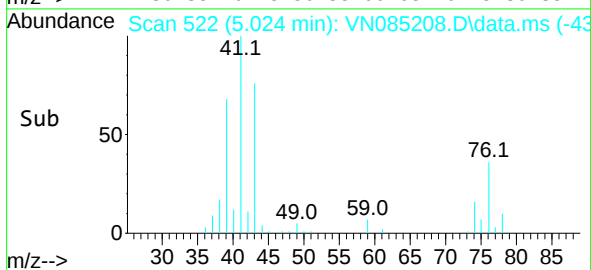
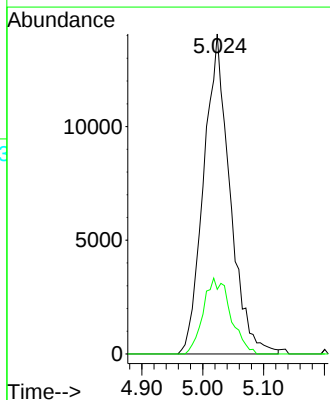
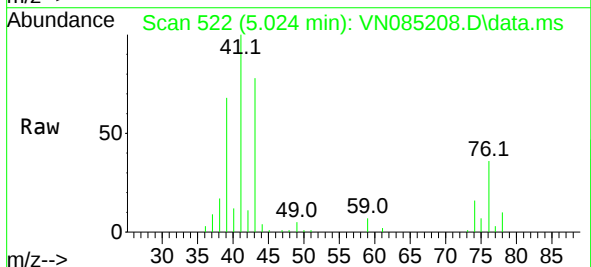


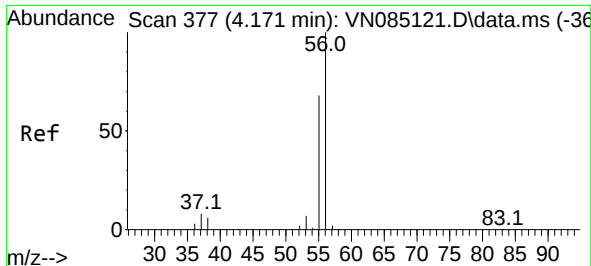
Tgt Ion:142 Resp: 45944  
Ion Ratio Lower Upper  
142 100  
127 44.6 22.5 67.5  
141 13.5 8.3 24.9



#12  
Methyl Acetate  
Concen: 19.041 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.006 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

Tgt Ion: 43 Resp: 42168  
Ion Ratio Lower Upper  
43 100  
74 20.3 19.8 29.6

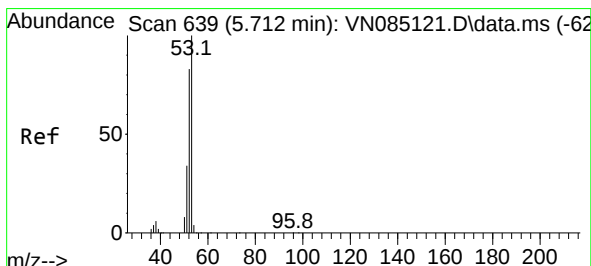
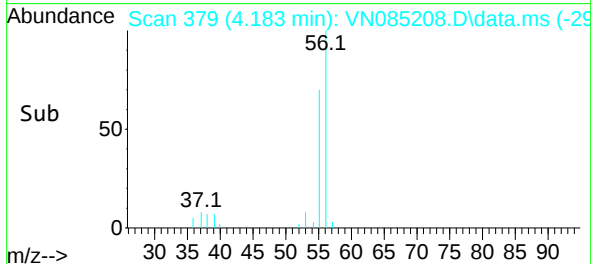
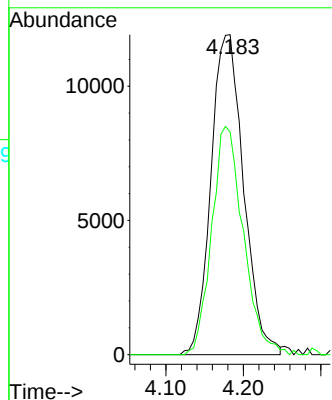
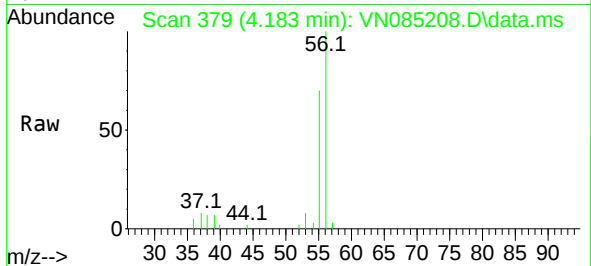




#13  
Acrolein  
Concen: 108.358 ug/l  
RT: 4.183 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

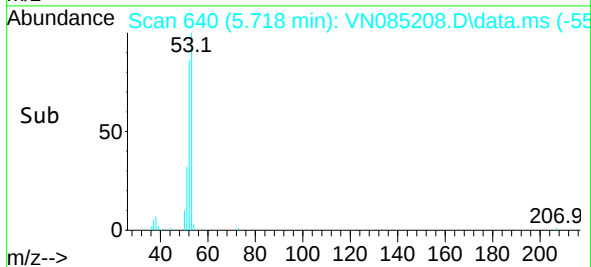
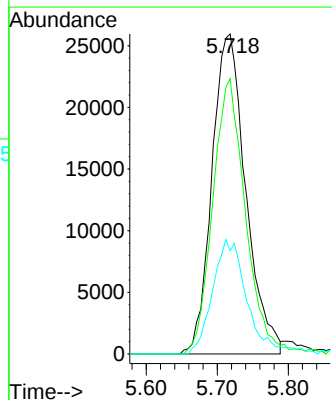
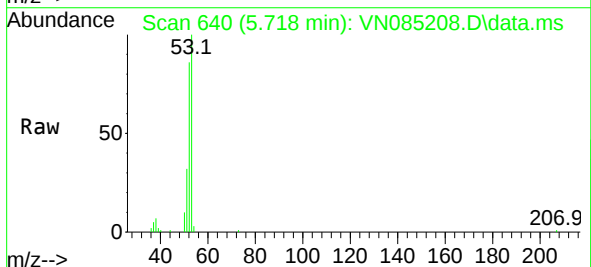
Instrument :  
MSVOA\_N  
ClientSampleId :

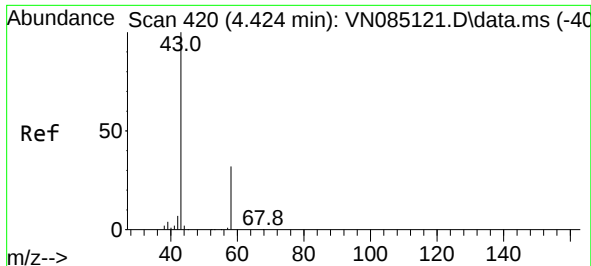
Tgt Ion: 56 Resp: 34873  
Ion Ratio Lower Upper  
56 100  
55 69.0 59.4 89.0



#14  
Acrylonitrile  
Concen: 93.137 ug/l  
RT: 5.718 min Scan# 640  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

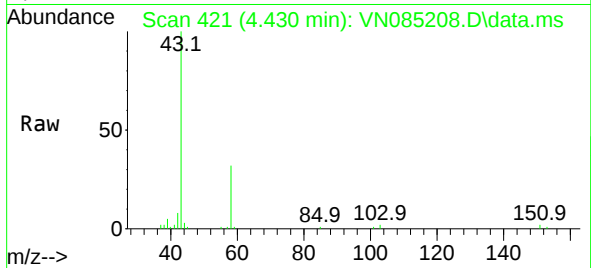
Tgt Ion: 53 Resp: 85647  
Ion Ratio Lower Upper  
53 100  
52 82.7 42.9 128.5  
51 35.7 17.2 51.5



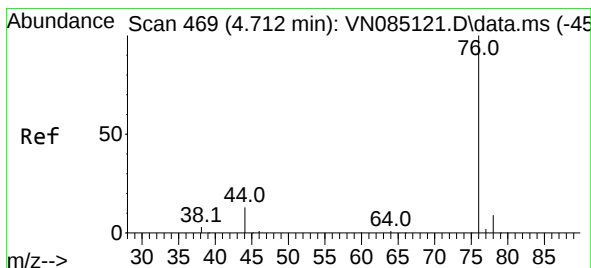
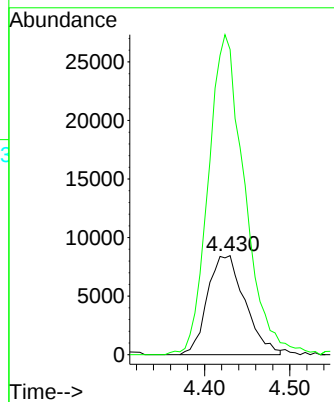
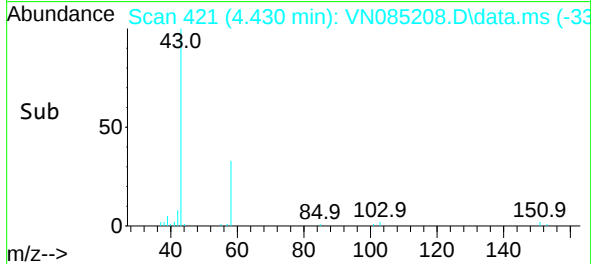


#15  
Acetone  
Concen: 103.954 ug/l  
RT: 4.430 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

Instrument :  
MSVOA\_N  
ClientSampleId :

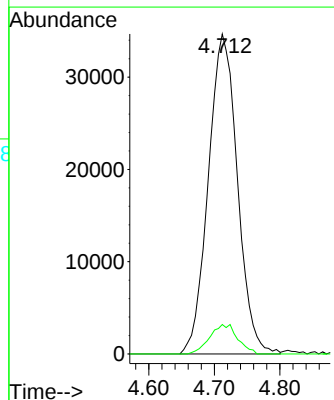
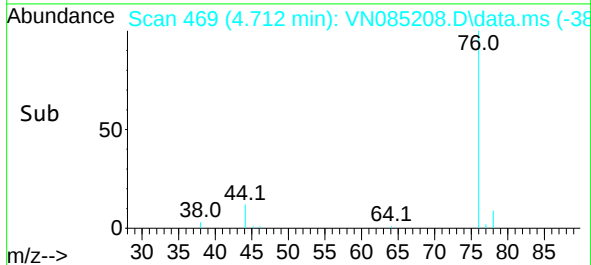
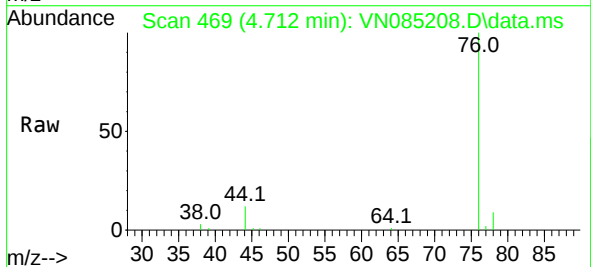


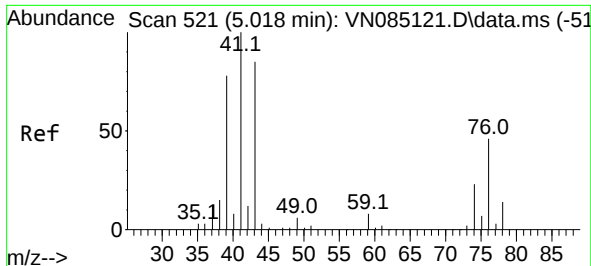
Tgt Ion: 58 Resp: 25905  
Ion Ratio Lower Upper  
58 100  
43 311.0 242.3 363.5



#16  
Carbon Disulfide  
Concen: 19.057 ug/l  
RT: 4.712 min Scan# 469  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

Tgt Ion: 76 Resp: 106931  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.1 10.7





#17

Allyl chloride

Concen: 19.871 ug/l

RT: 5.024 min Scan# 51

Delta R.T. 0.000 min

Lab File: VN085208.D

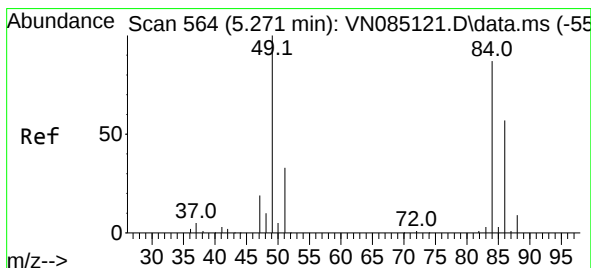
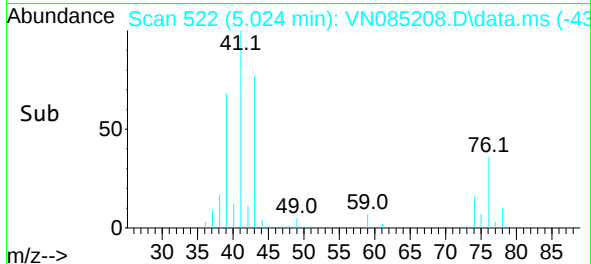
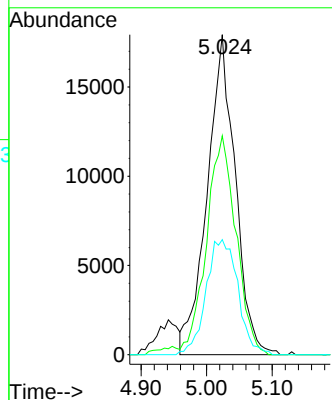
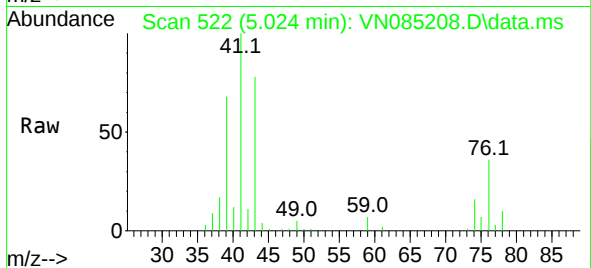
Acq: 16 Dec 2024 10:19

Instrument :

MSVOA\_N

ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 53377 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 68.4     | 32.0 96.2   |
| 76 35.9     | 20.2 60.5   |



#18

Methylene Chloride

Concen: 18.537 ug/l

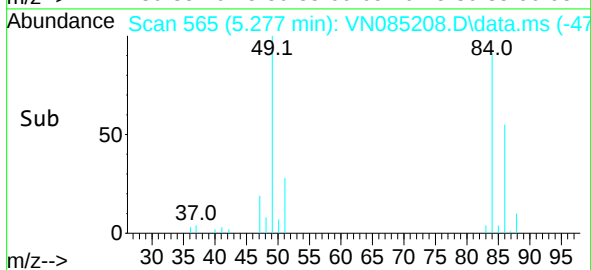
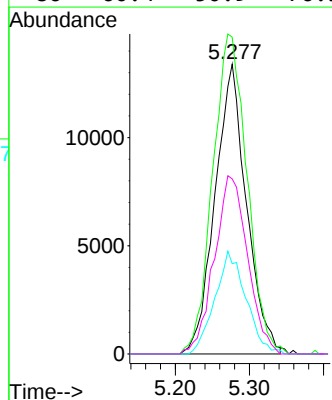
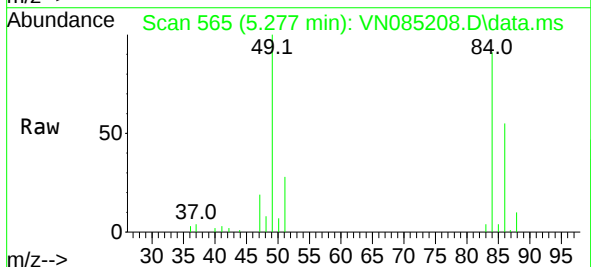
RT: 5.277 min Scan# 565

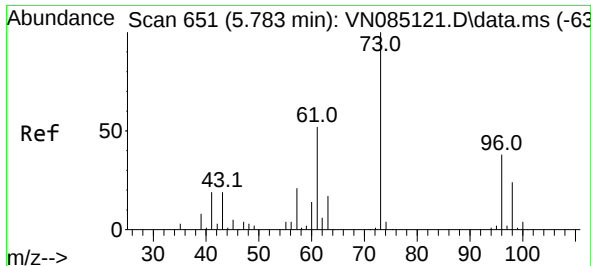
Delta R.T. 0.006 min

Lab File: VN085208.D

Acq: 16 Dec 2024 10:19

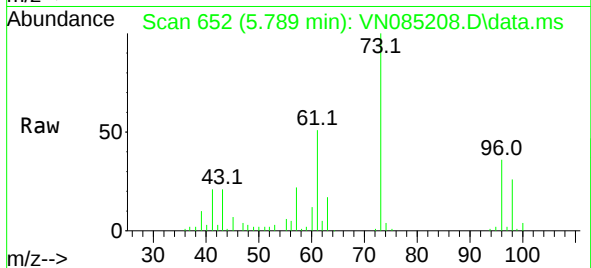
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 39484 |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 109.3    | 95.1 142.7  |
| 51 31.1     | 27.4 41.0   |
| 86 60.4     | 50.9 76.3   |



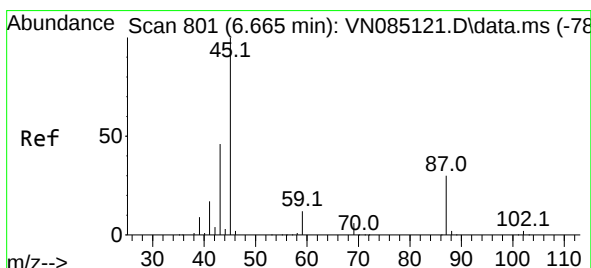
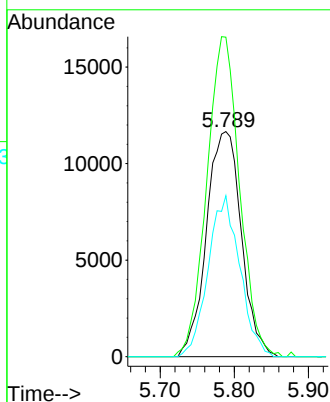
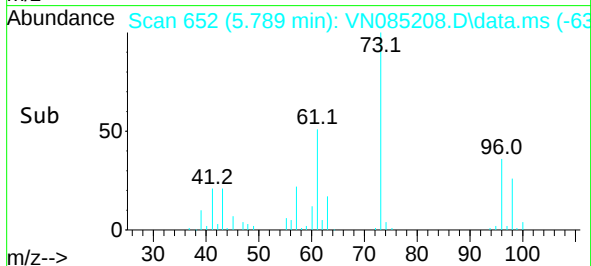


#19  
trans-1,2-Dichloroethene  
Concen: 19.519 ug/l  
RT: 5.789 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

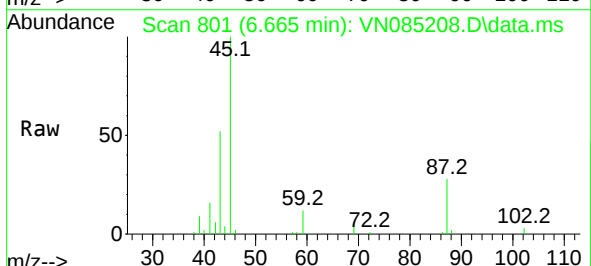
Instrument :  
MSVOA\_N  
ClientSampleId :



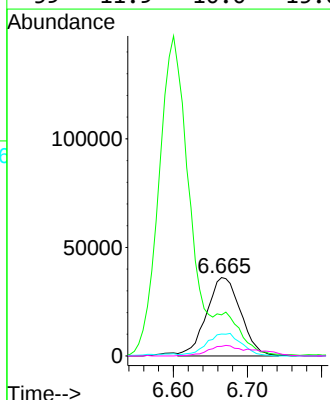
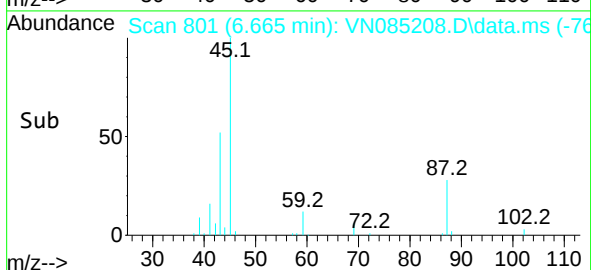
Tgt Ion: 96 Resp: 38087  
Ion Ratio Lower Upper  
96 100  
61 140.1 100.4 150.6  
98 71.5 52.6 79.0

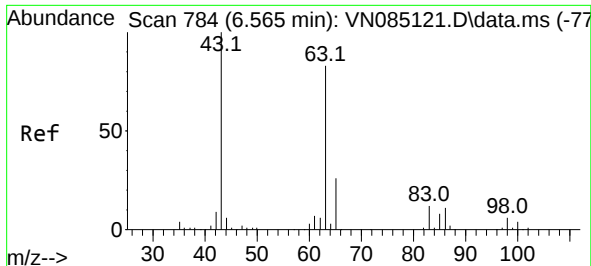


#20  
Diisopropyl ether  
Concen: 19.573 ug/l  
RT: 6.665 min Scan# 801  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19



Tgt Ion: 45 Resp: 115380  
Ion Ratio Lower Upper  
45 100  
43 50.4 41.9 62.9  
87 28.0 24.1 36.1  
59 11.9 10.0 15.0

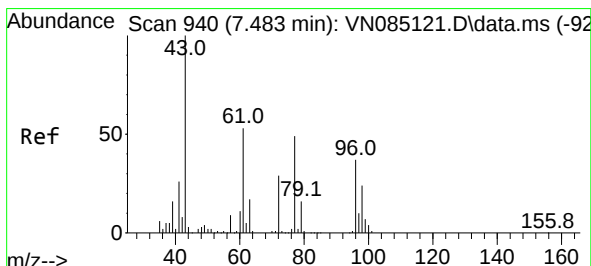
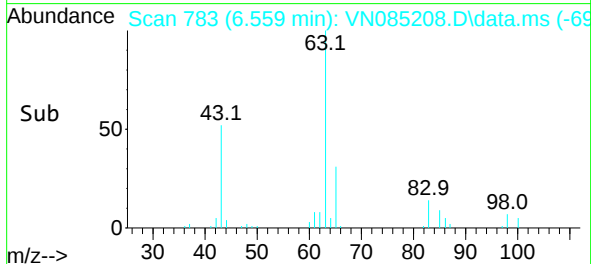
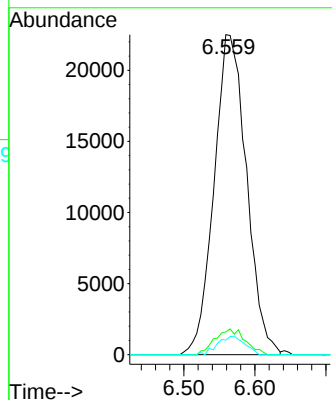
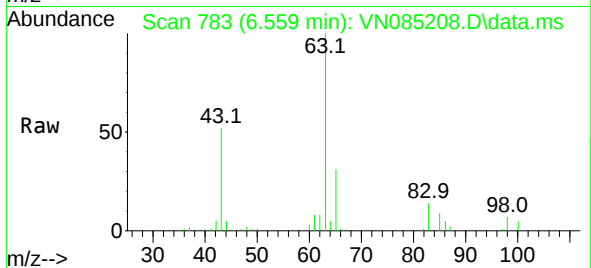




#21  
1,1-Dichloroethane  
Concen: 19.601 ug/l  
RT: 6.559 min Scan# 713  
Delta R.T. -0.006 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

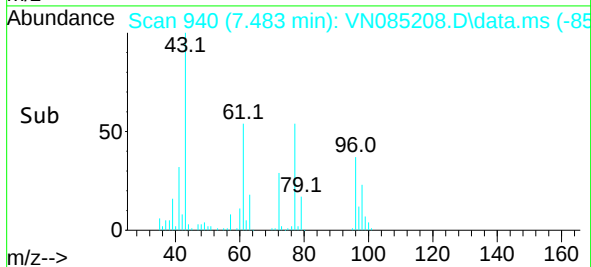
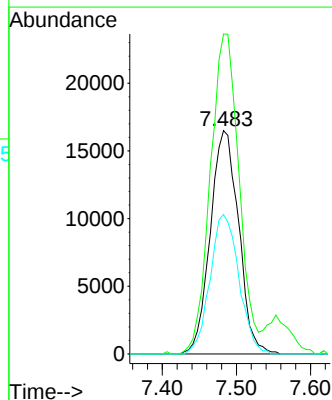
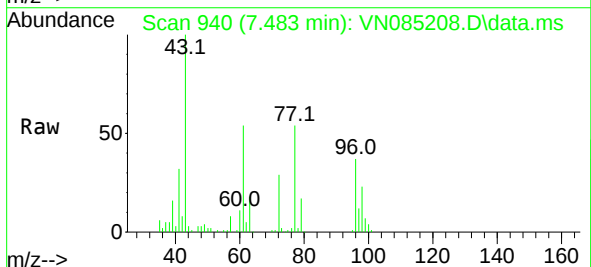
Instrument :  
MSVOA\_N  
ClientSampleId :

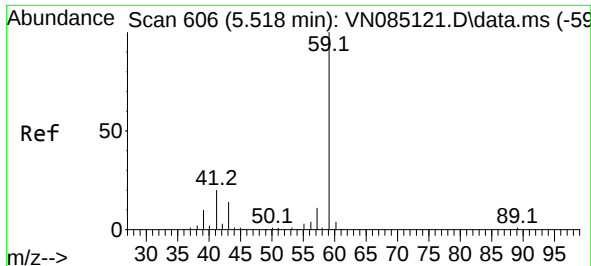
Tgt Ion: 63 Resp: 71315  
Ion Ratio Lower Upper  
63 100  
98 7.1 3.5 10.4  
100 4.6 1.6 4.8



#22  
cis-1,2-Dichloroethene  
Concen: 19.576 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. -0.006 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

Tgt Ion: 96 Resp: 43904  
Ion Ratio Lower Upper  
96 100  
61 144.6 115.9 173.9  
98 63.6 51.8 77.8

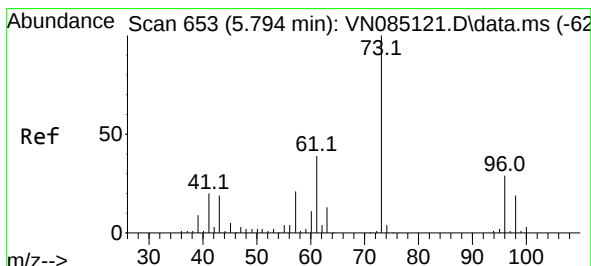
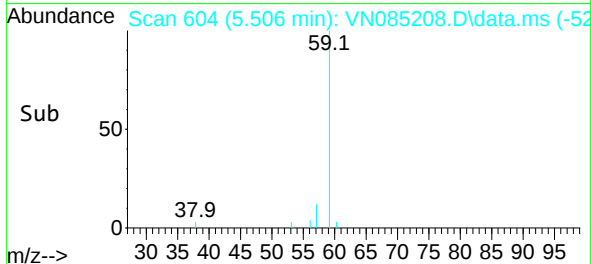
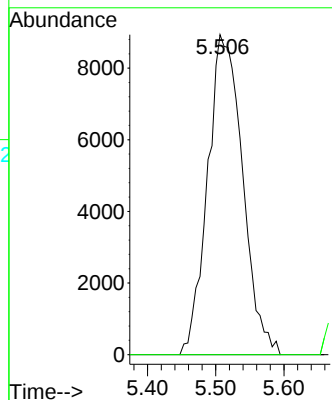
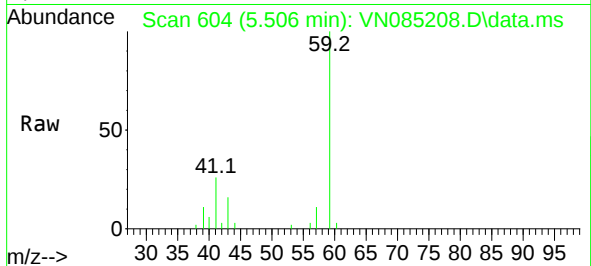




#23  
tert-Butyl Alcohol  
Concen: 96.694 ug/l  
RT: 5.506 min Scan# 606  
Delta R.T. -0.006 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

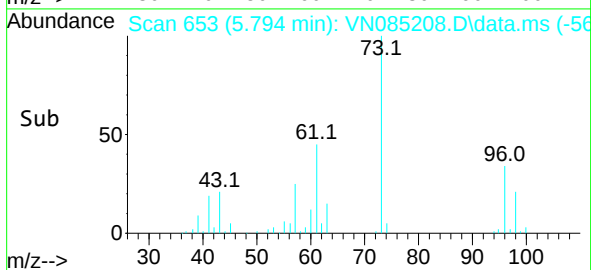
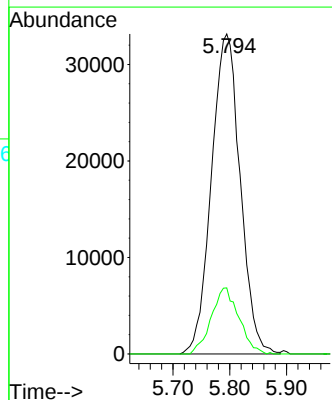
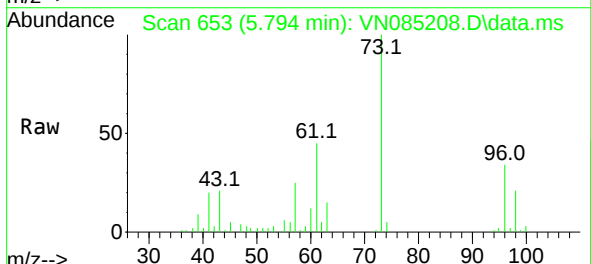
Instrument :  
MSVOA\_N  
ClientSampleId :

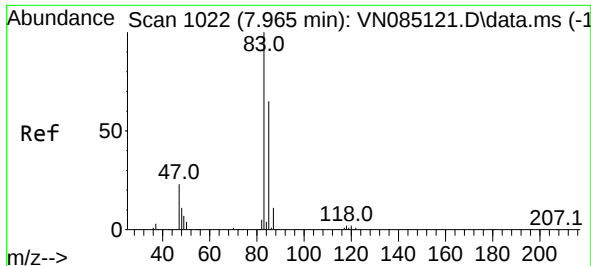
Tgt Ion: 59 Resp: 31898  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0



#24  
Methyl tert-Butyl Ether  
Concen: 19.863 ug/l  
RT: 5.794 min Scan# 653  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

Tgt Ion: 73 Resp: 116497  
Ion Ratio Lower Upper  
73 100  
43 19.8 8.7 13.1#

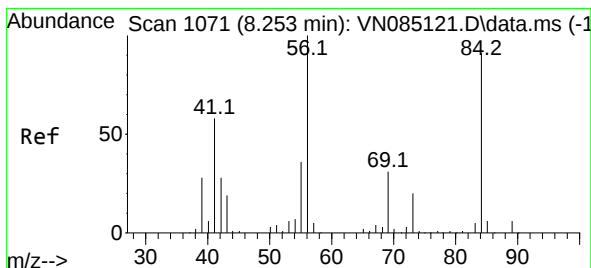
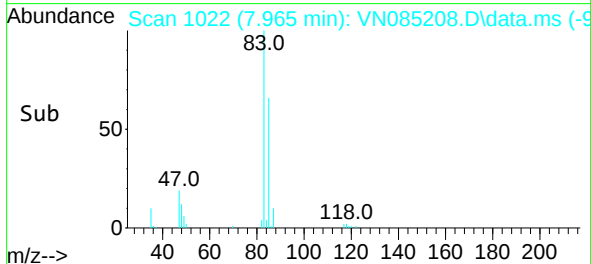
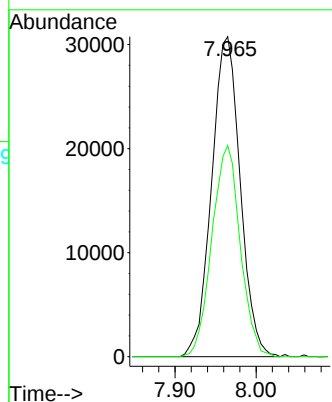
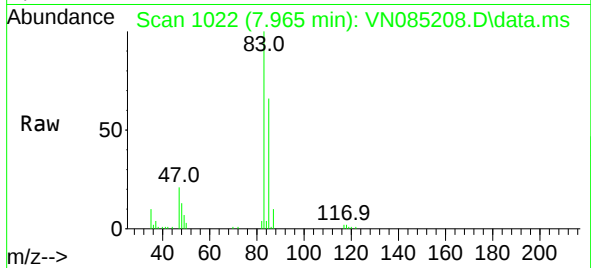




#25  
Chloroform  
Concen: 19.757 ug/l  
RT: 7.965 min Scan# 1022  
Delta R.T. 0.006 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

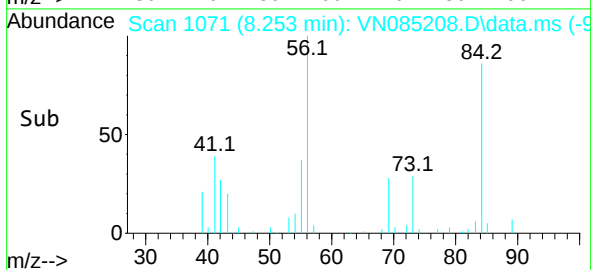
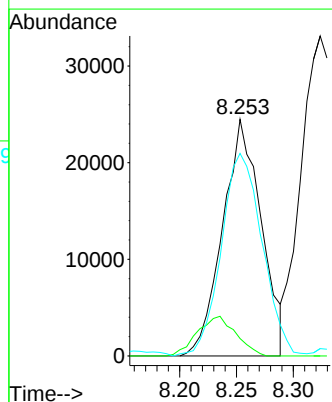
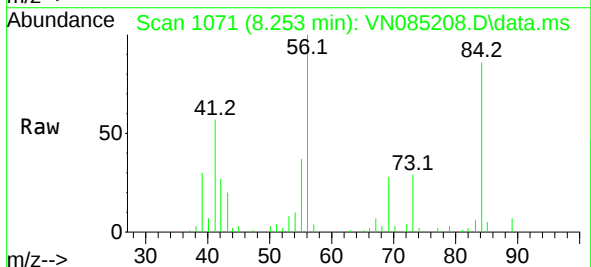
Instrument :  
MSVOA\_N  
ClientSampleId :

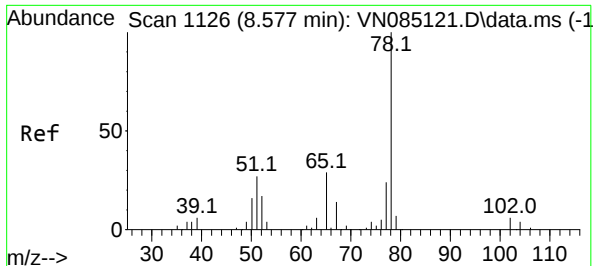
Tgt Ion: 83 Resp: 75307  
Ion Ratio Lower Upper  
83 100  
85 66.0 49.4 74.0



#26  
Cyclohexane  
Concen: 19.340 ug/l  
RT: 8.253 min Scan# 1071  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

Tgt Ion: 56 Resp: 57940  
Ion Ratio Lower Upper  
56 100  
89 16.8 19.5 29.3#  
84 90.7 70.6 105.8

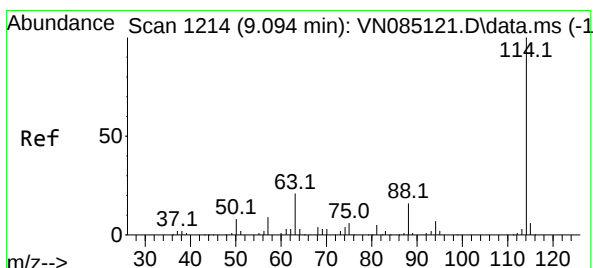
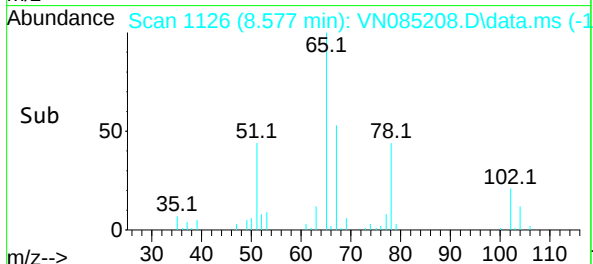
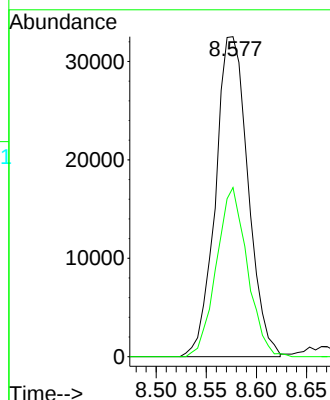
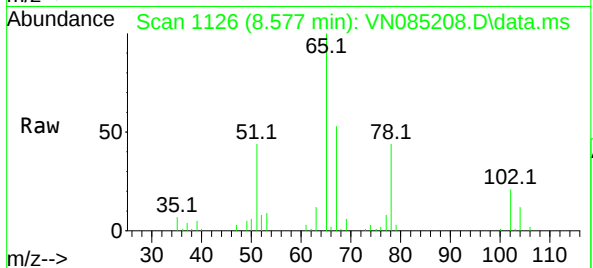




#27  
 1,2-Dichloroethane-d4  
 Concen: 30.028 ug/l  
 RT: 8.577 min Scan# 1126  
 Delta R.T. 0.000 min  
 Lab File: VN085208.D  
 Acq: 16 Dec 2024 10:19

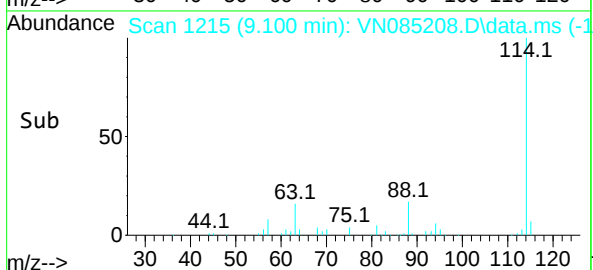
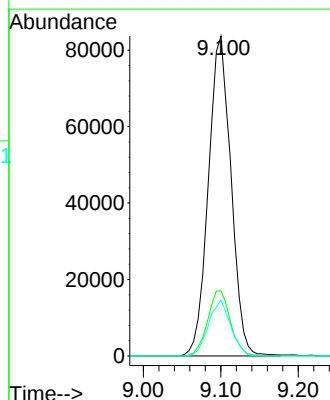
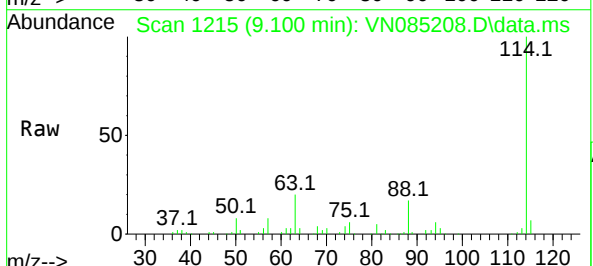
Instrument :  
 MSVOA\_N  
 ClientSampleId :

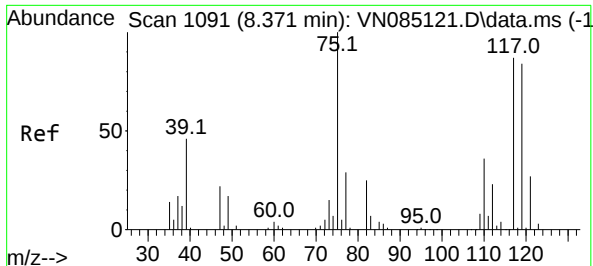
Tgt Ion: 65 Resp: 73444  
 Ion Ratio Lower Upper  
 65 100  
 67 49.8 39.9 59.9



#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 9.100 min Scan# 1215  
 Delta R.T. 0.000 min  
 Lab File: VN085208.D  
 Acq: 16 Dec 2024 10:19

Tgt Ion: 114 Resp: 169823  
 Ion Ratio Lower Upper  
 114 100  
 63 20.5 16.2 24.2  
 88 17.0 12.5 18.7

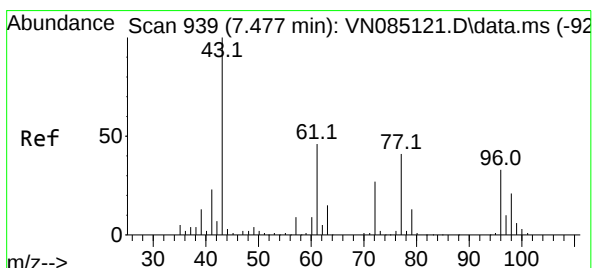
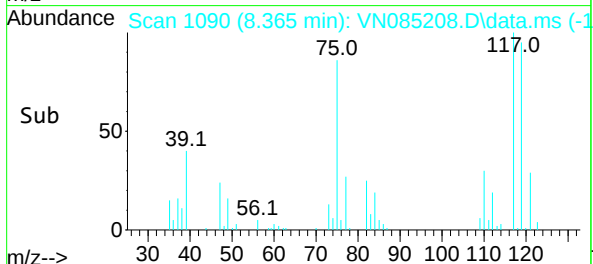
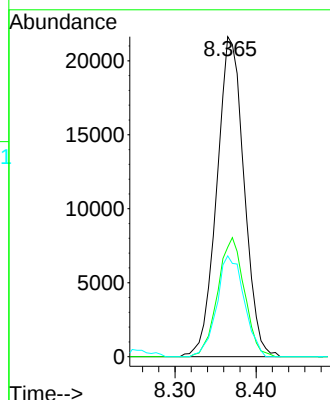
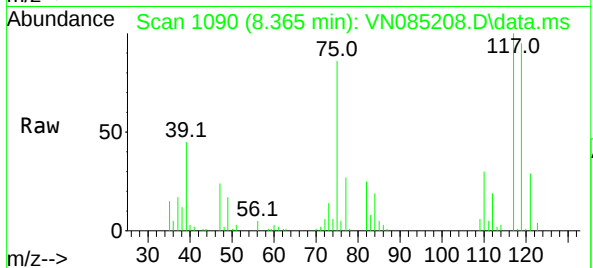




#29  
1,1-Dichloropropene  
Concen: 18.361 ug/l  
RT: 8.365 min Scan# 1090  
Delta R.T. -0.006 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

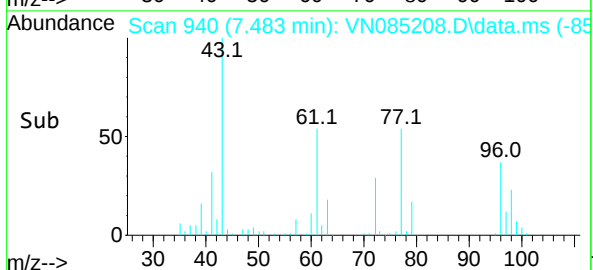
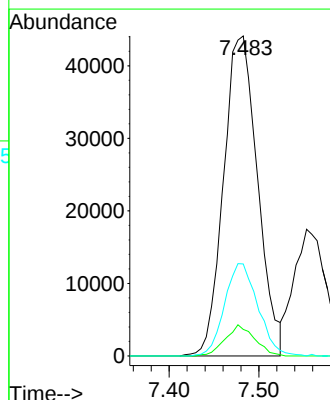
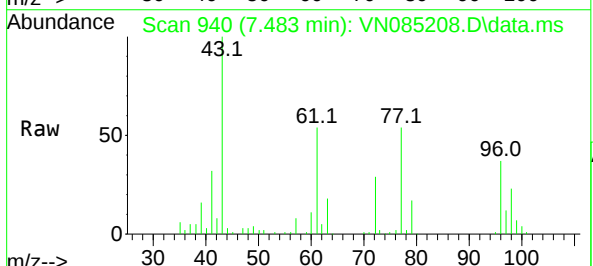
Instrument :  
MSVOA\_N  
ClientSampleId :

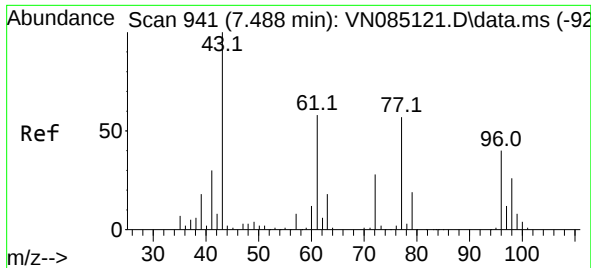
Tgt Ion: 75 Resp: 50315  
Ion Ratio Lower Upper  
75 100  
110 36.4 0.0 71.6  
77 31.7 0.0 62.2



#30  
2-Butanone  
Concen: 92.579 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

Tgt Ion: 43 Resp: 116422  
Ion Ratio Lower Upper  
43 100  
57 8.4 6.9 10.3  
72 28.2 21.8 32.8

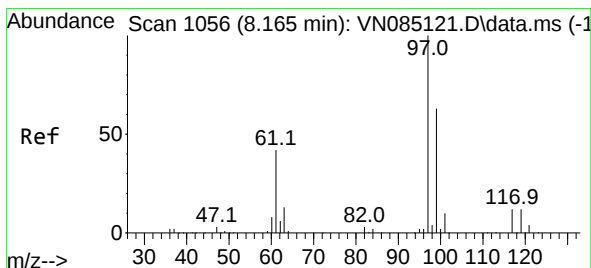
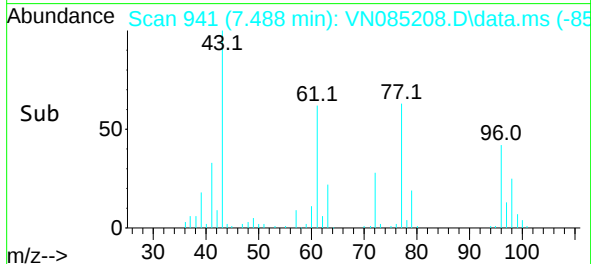
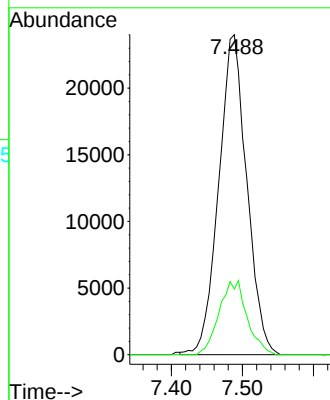
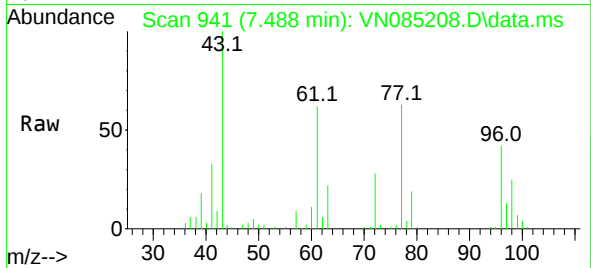




#31  
2,2-Dichloropropane  
Concen: 18.711 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

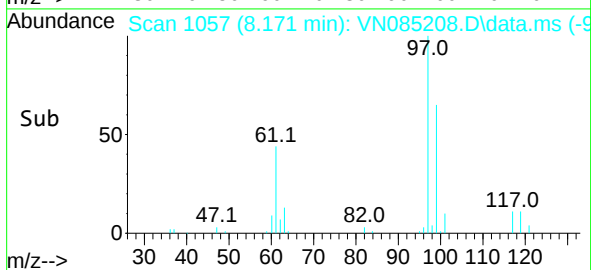
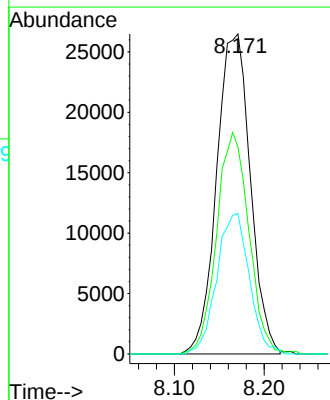
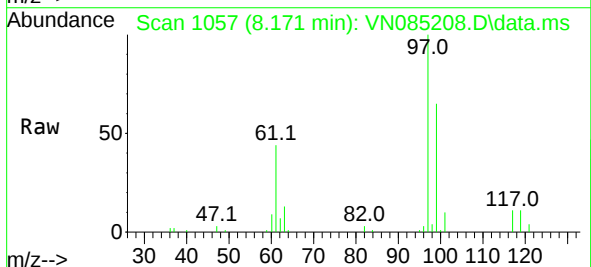
Instrument :  
MSVOA\_N  
ClientSampleId :

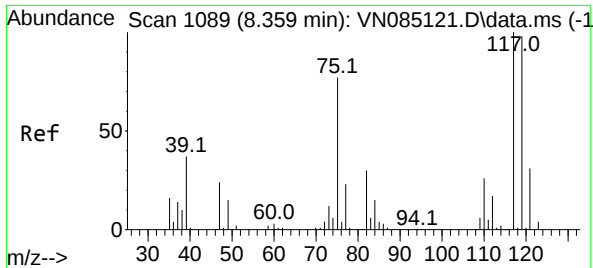
Tgt Ion: 77 Resp: 65751  
Ion Ratio Lower Upper  
77 100  
97 23.1 0.0 0.0#



#32  
1,1,1-Trichloroethane  
Concen: 18.605 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

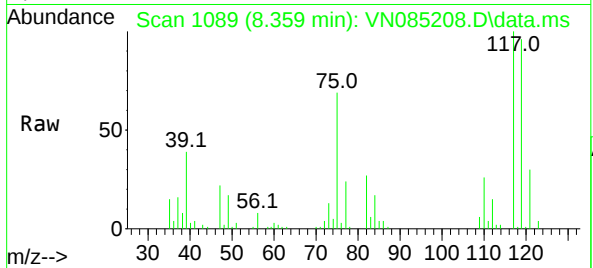
Tgt Ion: 97 Resp: 69008  
Ion Ratio Lower Upper  
97 100  
99 66.2 50.8 76.2  
61 42.3 32.7 49.1



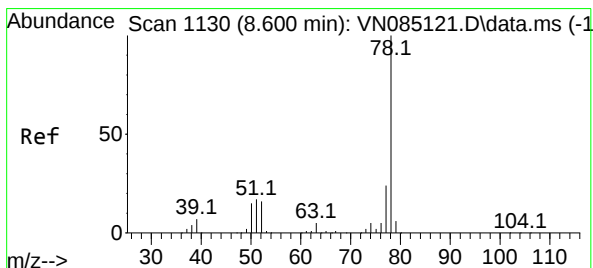
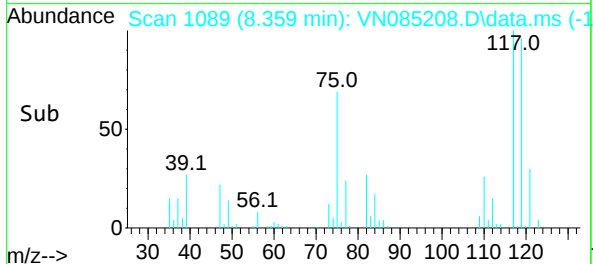
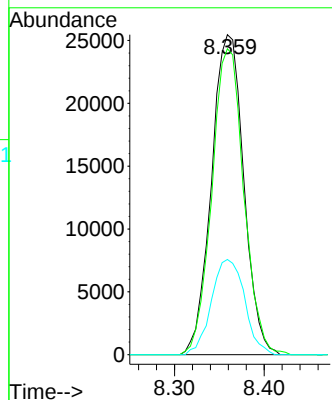


#33  
Carbon Tetrachloride  
Concen: 18.985 ug/l  
RT: 8.359 min Scan# 1108  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

Instrument :  
MSVOA\_N  
ClientSampleId :

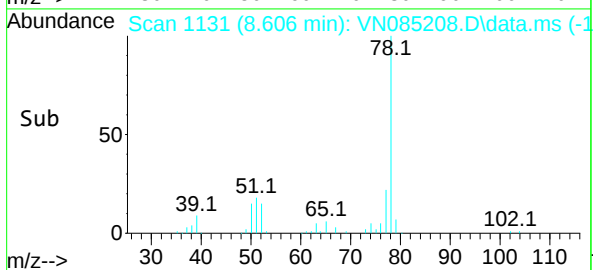
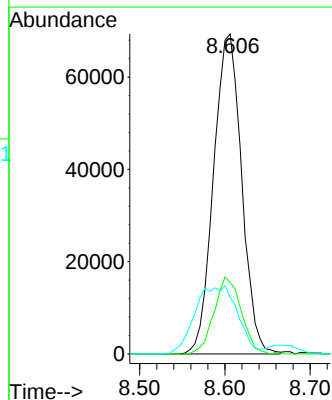
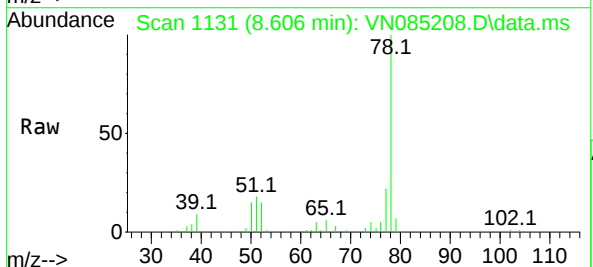


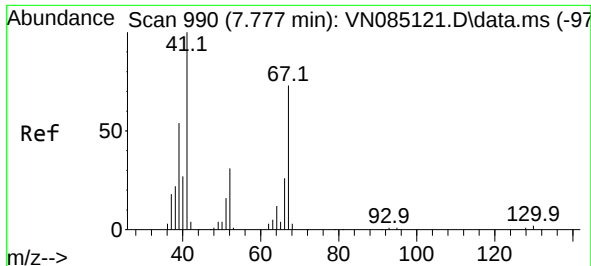
Tgt Ion:117 Resp: 63544  
Ion Ratio Lower Upper  
117 100  
119 95.6 81.6 122.4  
121 29.7 26.5 39.7



#34  
Benzene  
Concen: 18.431 ug/l  
RT: 8.606 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

Tgt Ion: 78 Resp: 158668  
Ion Ratio Lower Upper  
78 100  
77 22.4 18.0 27.0  
51 15.0 12.4 18.6

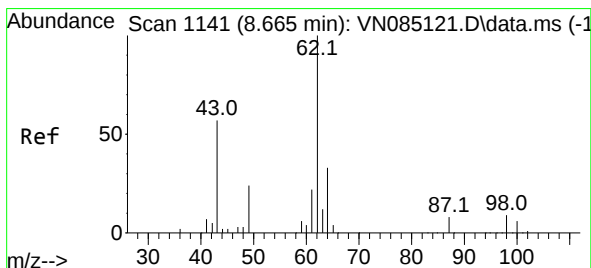
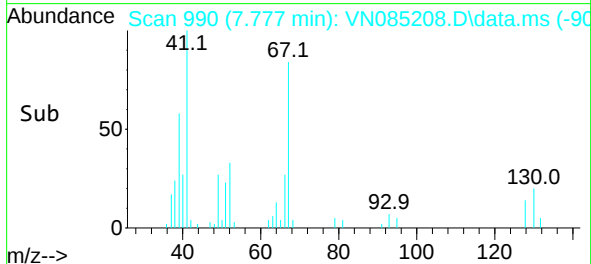
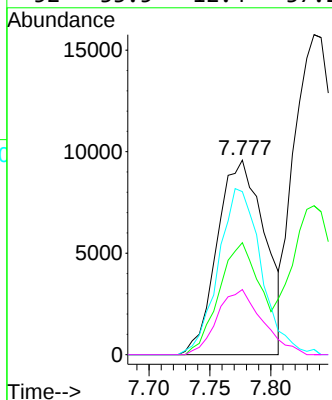
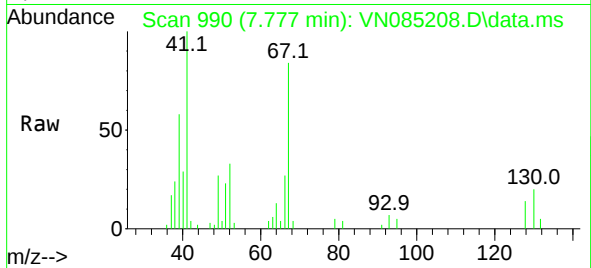




#35  
Methacrylonitrile  
Concen: 18.445 ug/l  
RT: 7.777 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

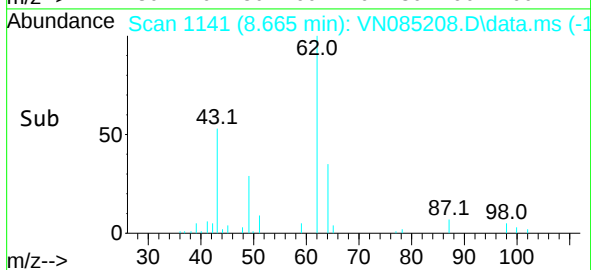
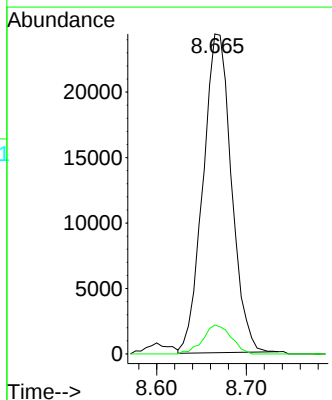
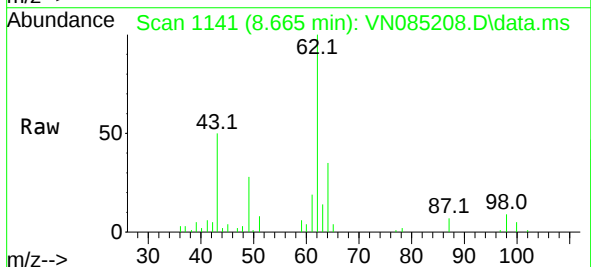
Instrument :  
MSVOA\_N  
ClientSampleId :

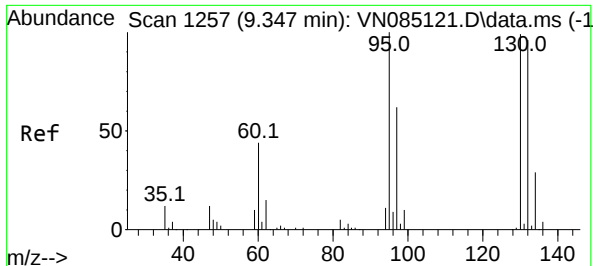
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 26103 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 57.6     | 24.4 73.2   |
| 67 83.8     | 37.0 110.9  |
| 52 33.5     | 12.4 37.2   |



#36  
1,2-Dichloroethane  
Concen: 18.273 ug/l  
RT: 8.665 min Scan# 1141  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

|             |             |
|-------------|-------------|
| Tgt Ion: 62 | Resp: 53550 |
| Ion Ratio   | Lower Upper |
| 62 100      |             |
| 98 9.1      | 7.3 10.9    |





#37

Trichloroethene

Concen: 18.494 ug/l

RT: 9.347 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN085208.D

Acq: 16 Dec 2024 10:19

Instrument :

MSVOA\_N

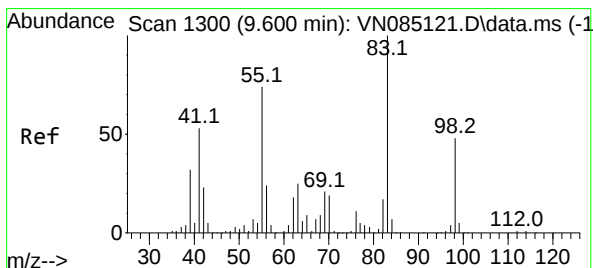
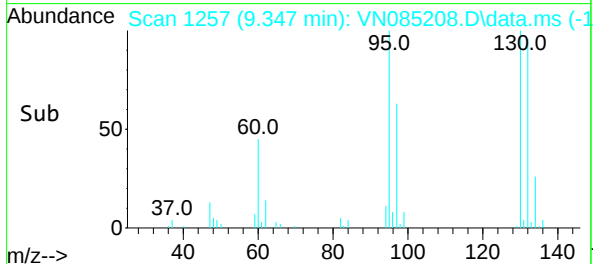
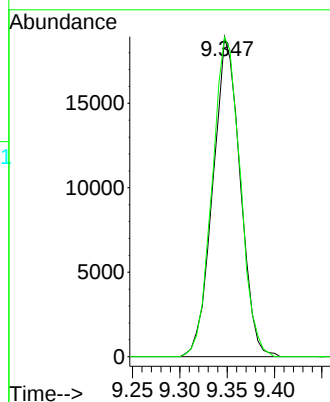
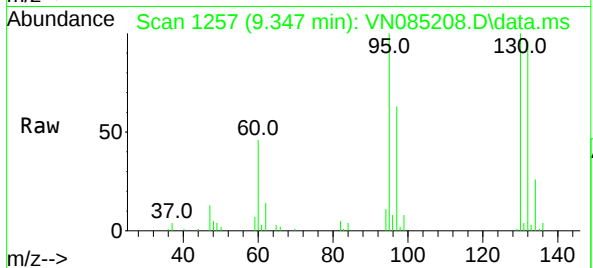
ClientSampleId :

Tgt Ion:130 Resp: 37914

Ion Ratio Lower Upper

130 100

95 99.8 76.2 114.4



#38

Methylcyclohexane

Concen: 18.747 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. 0.000 min

Lab File: VN085208.D

Acq: 16 Dec 2024 10:19

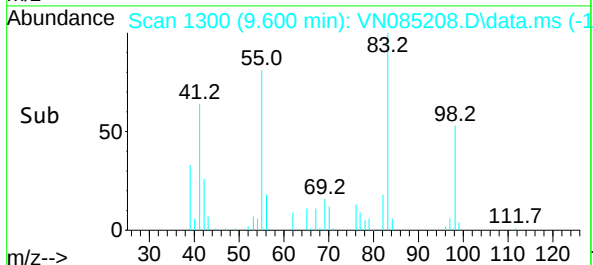
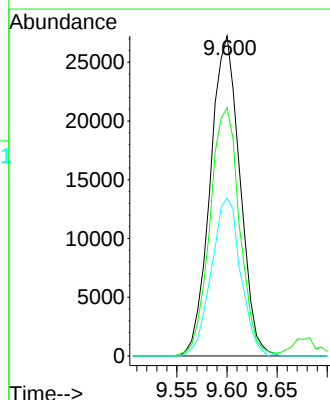
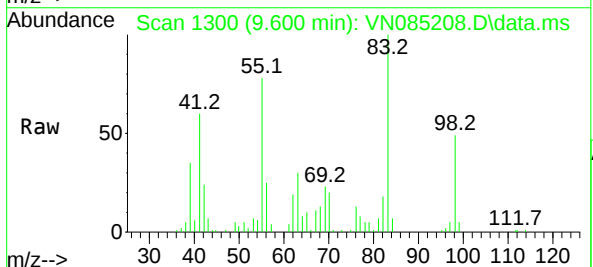
Tgt Ion: 83 Resp: 55860

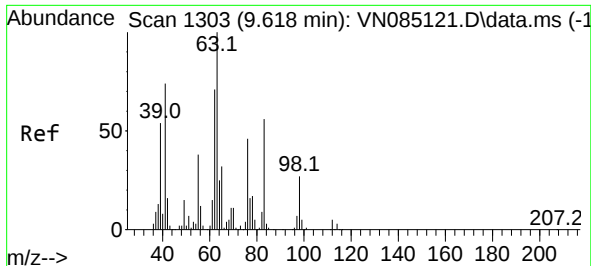
Ion Ratio Lower Upper

83 100

55 77.8 41.4 124.4

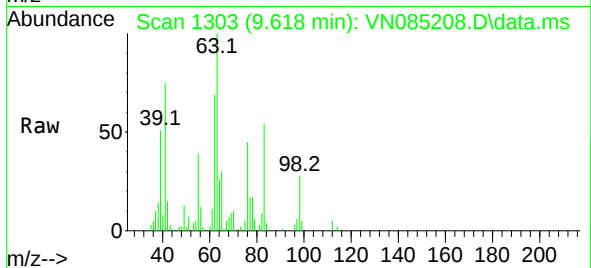
98 48.7 25.7 77.1



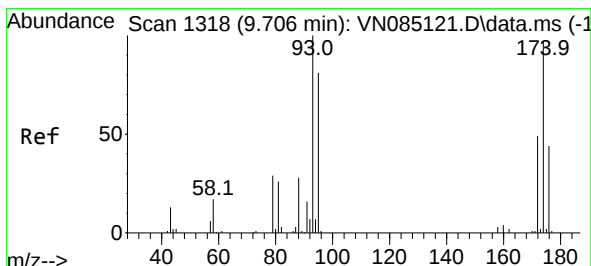
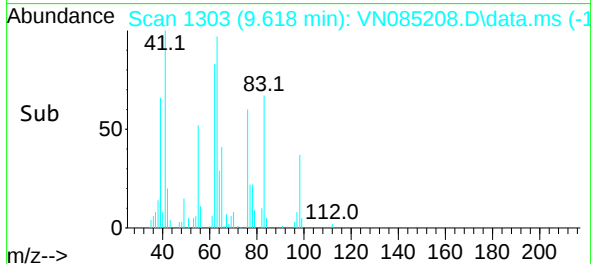
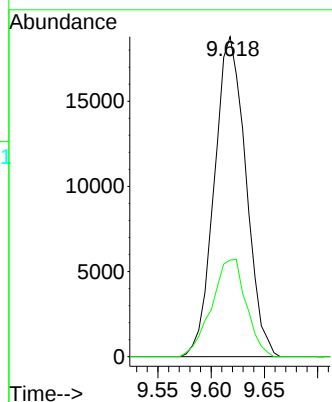


#39  
1,2-Dichloropropane  
Concen: 18.527 ug/l  
RT: 9.618 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

Instrument :  
MSVOA\_N  
ClientSampleId :

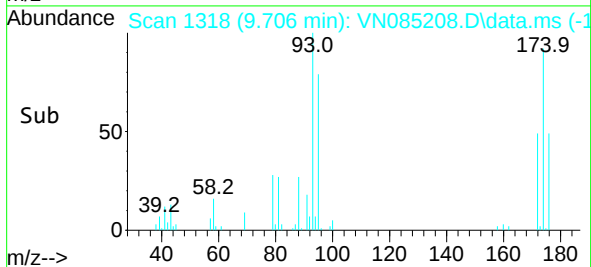
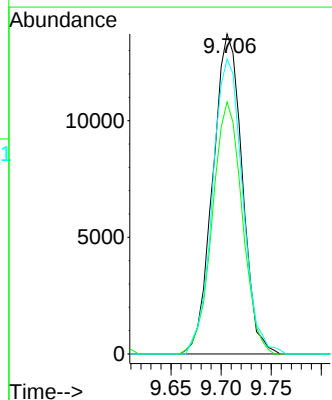
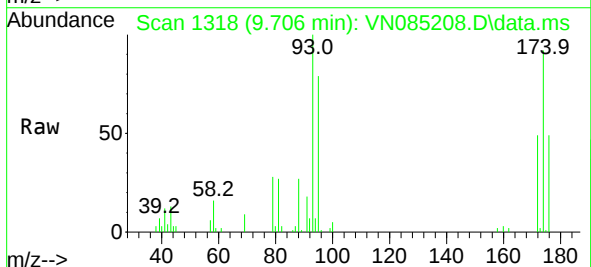


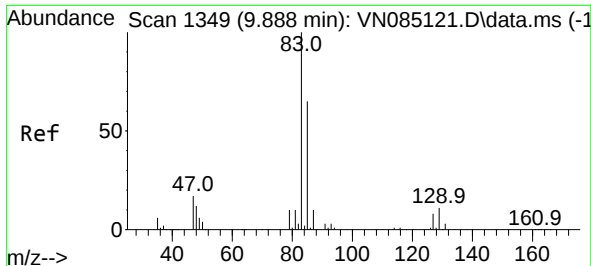
Tgt Ion: 63 Resp: 38631  
Ion Ratio Lower Upper  
63 100  
65 30.2 23.4 35.0



#40  
Dibromomethane  
Concen: 18.712 ug/l  
RT: 9.706 min Scan# 1318  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

Tgt Ion: 93 Resp: 27987  
Ion Ratio Lower Upper  
93 100  
95 79.8 0.0 169.4  
174 94.2 0.0 189.8

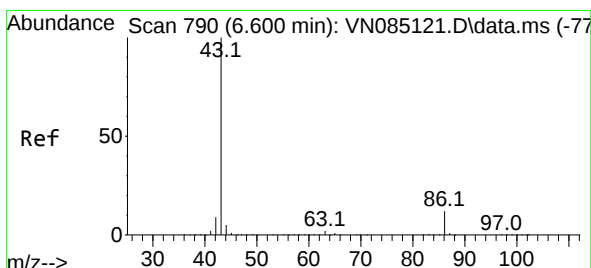
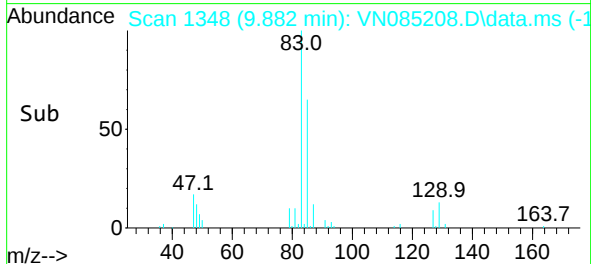
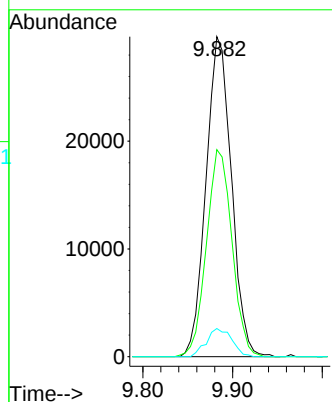
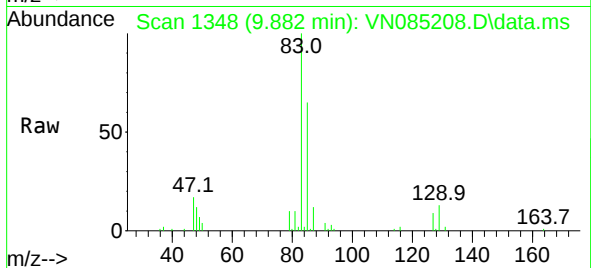




#41  
Bromodichloromethane  
Concen: 18.262 ug/l  
RT: 9.882 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

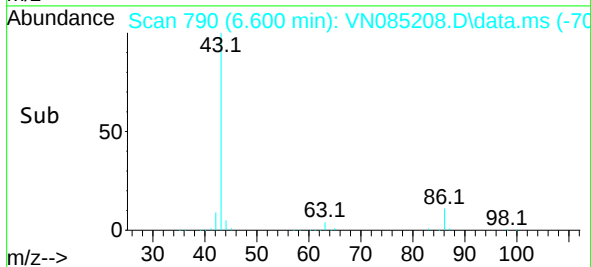
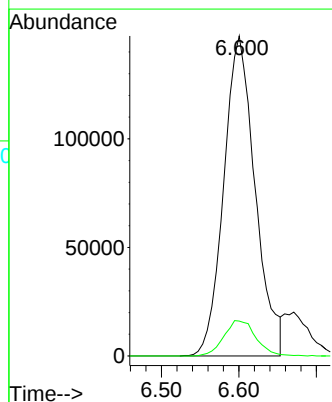
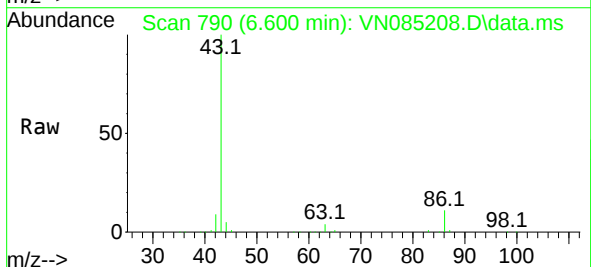
Instrument :  
MSVOA\_N  
ClientSampleId :

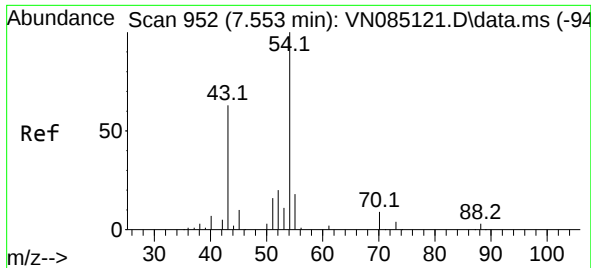
Tgt Ion: 83 Resp: 58391  
Ion Ratio Lower Upper  
83 100  
85 64.7 54.6 81.8  
127 8.8 7.0 10.6



#42  
Vinyl Acetate  
Concen: 94.564 ug/l  
RT: 6.600 min Scan# 790  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

Tgt Ion: 43 Resp: 416125  
Ion Ratio Lower Upper  
43 100  
86 11.3 9.2 13.8

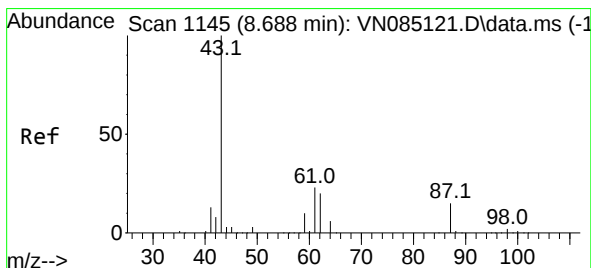
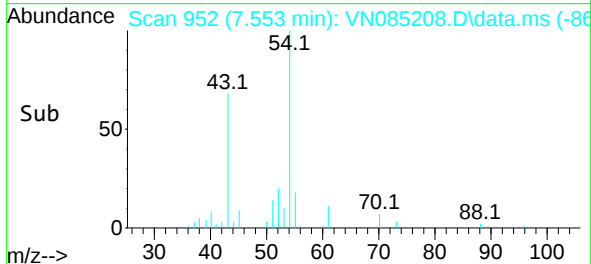
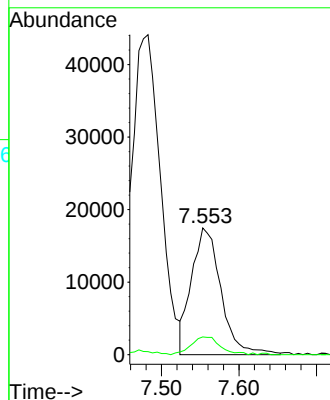
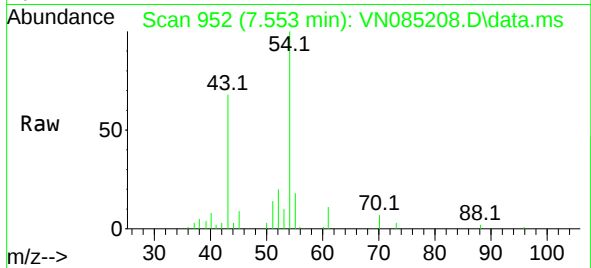




#43  
Ethyl Acetate  
Concen: 18.415 ug/l  
RT: 7.553 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

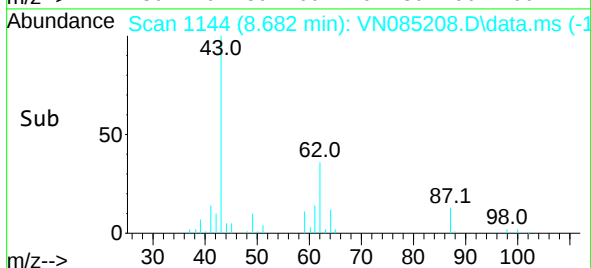
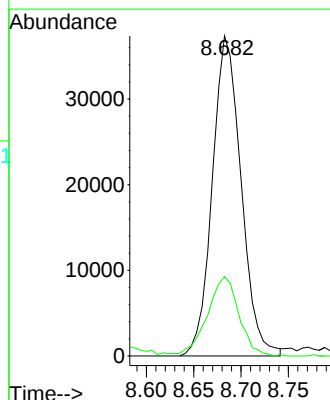
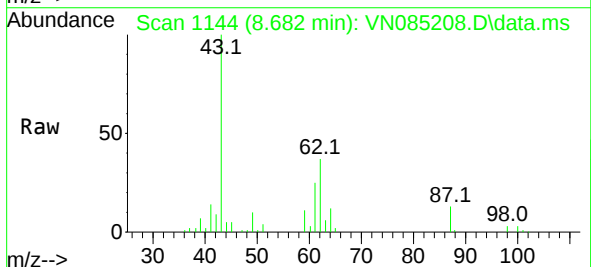
Instrument :  
MSVOA\_N  
ClientSampleId :

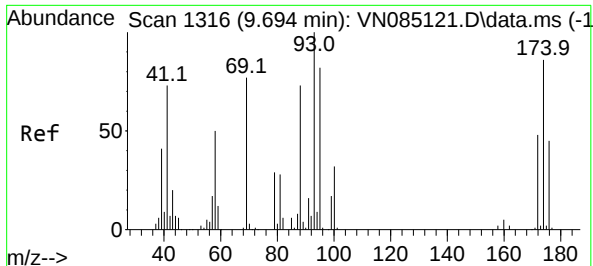
Tgt Ion: 43 Resp: 46077  
Ion Ratio Lower Upper  
43 100  
45 13.3 13.3 19.9



#44  
Isopropyl Acetate  
Concen: 18.196 ug/l  
RT: 8.682 min Scan# 1144  
Delta R.T. -0.006 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

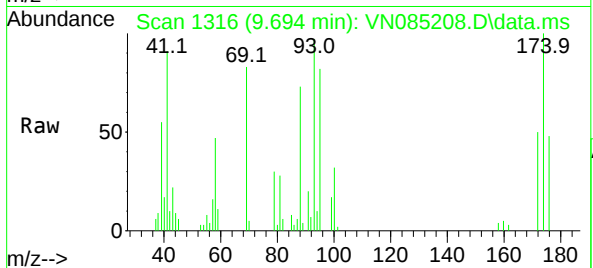
Tgt Ion: 43 Resp: 79121  
Ion Ratio Lower Upper  
43 100  
61 27.0 21.5 32.3



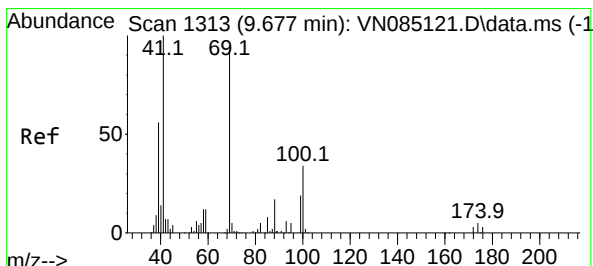
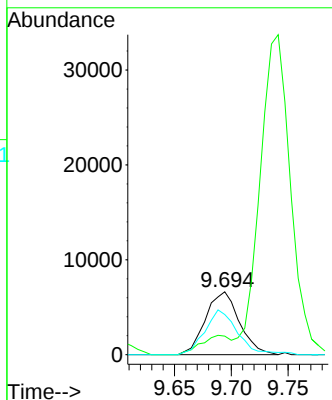
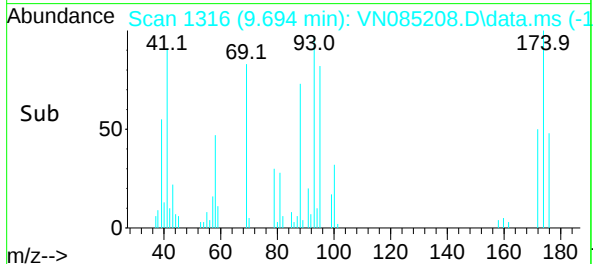


#45  
1,4-Dioxane  
Concen: 379.179 ug/l  
RT: 9.694 min Scan# 1316  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

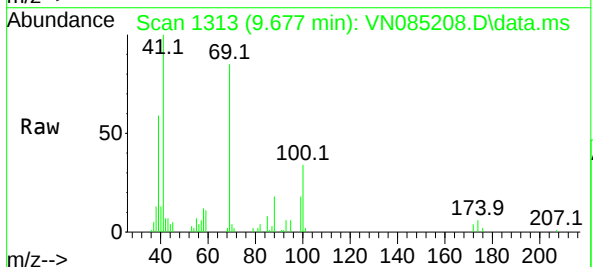
Instrument :  
MSVOA\_N  
ClientSampleId :



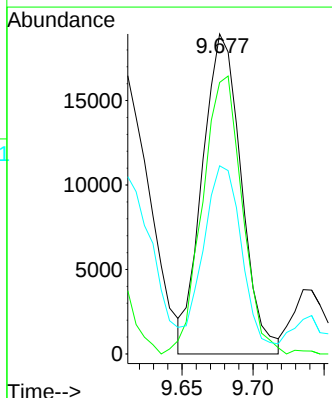
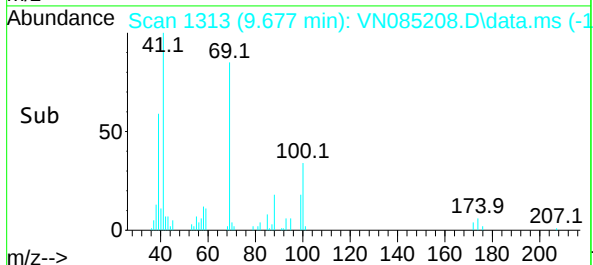
Tgt Ion: 88 Resp: 13749  
Ion Ratio Lower Upper  
88 100  
43 27.0 21.7 32.5  
58 67.7 52.6 79.0

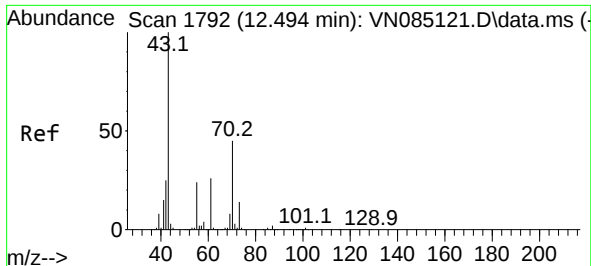


#46  
Methyl methacrylate  
Concen: 18.146 ug/l  
RT: 9.677 min Scan# 1313  
Delta R.T. -0.006 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19



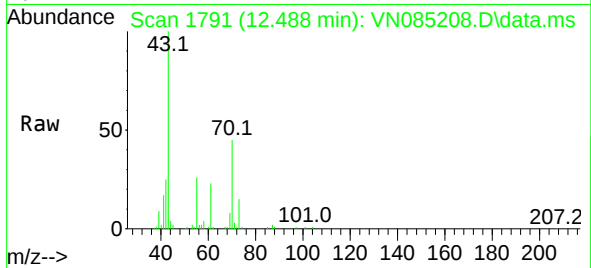
Tgt Ion: 41 Resp: 36110  
Ion Ratio Lower Upper  
41 100  
69 87.0 46.7 140.0  
39 58.4 28.5 85.5



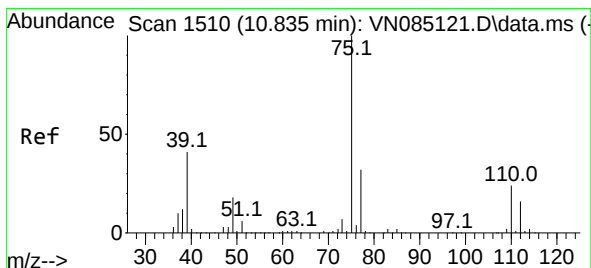
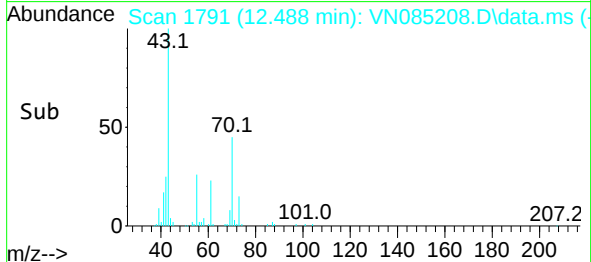
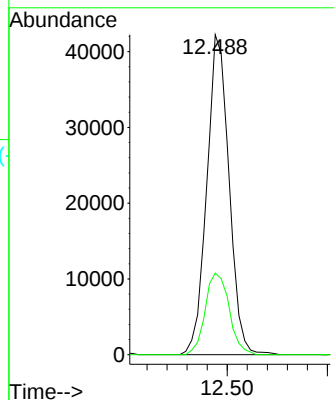


#47  
n-amy1 Acetate  
Concen: 17.803 ug/l  
RT: 12.488 min Scan# 1791  
Delta R.T. -0.006 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

Instrument :  
MSVOA\_N  
ClientSampleId :

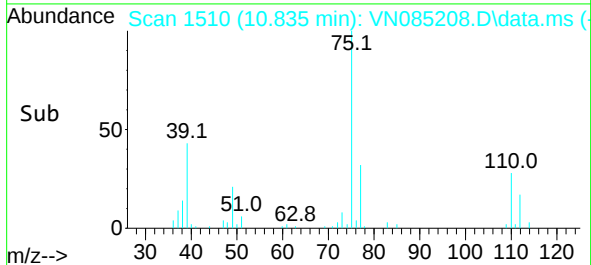
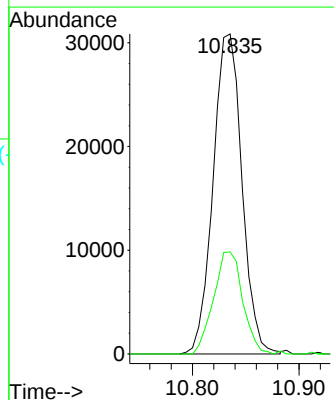
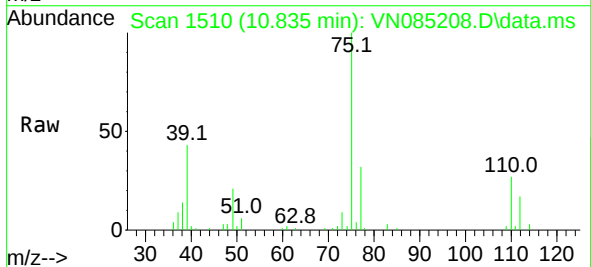


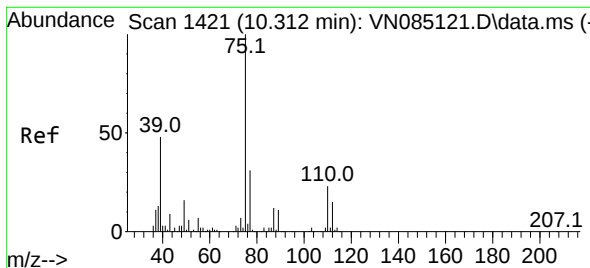
Tgt Ion: 43 Resp: 65132  
Ion Ratio Lower Upper  
43 100  
55 27.5 23.3 34.9



#48  
t-1,3-Dichloropropene  
Concen: 18.453 ug/l  
RT: 10.835 min Scan# 1510  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

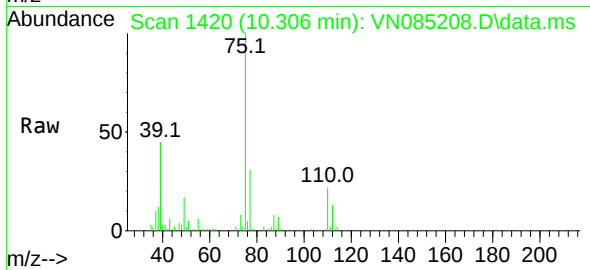
Tgt Ion: 75 Resp: 57919  
Ion Ratio Lower Upper  
75 100  
77 31.9 25.5 38.3



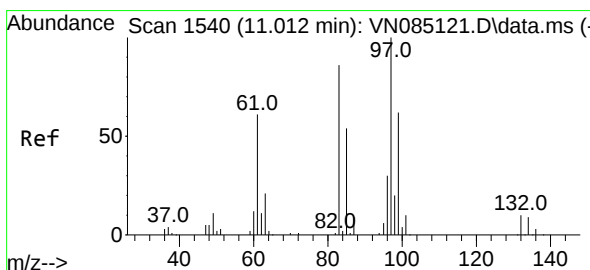
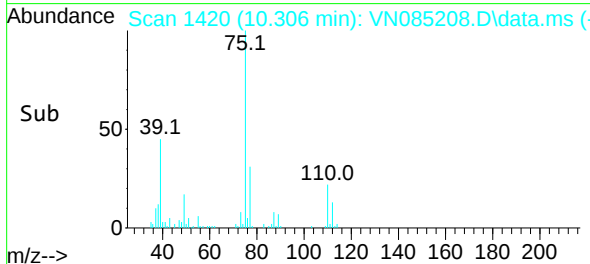
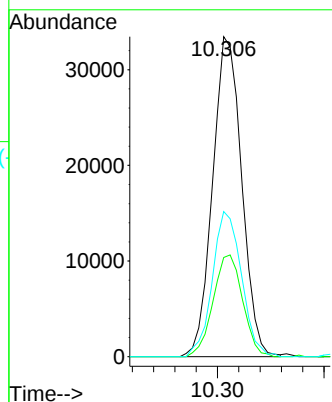


#49  
 cis-1,3-Dichloropropene  
 Concen: 18.535 ug/l  
 RT: 10.306 min Scan# 1420  
 Delta R.T. -0.006 min  
 Lab File: VN085208.D  
 Acq: 16 Dec 2024 10:19

Instrument :  
 MSVOA\_N  
 ClientSampleId :

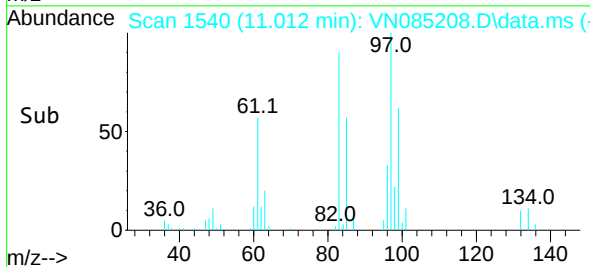
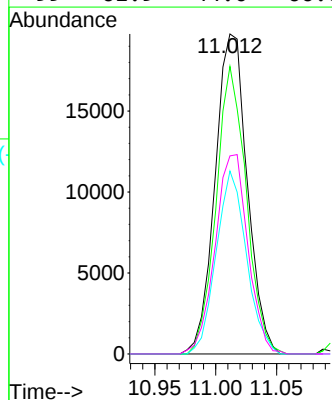
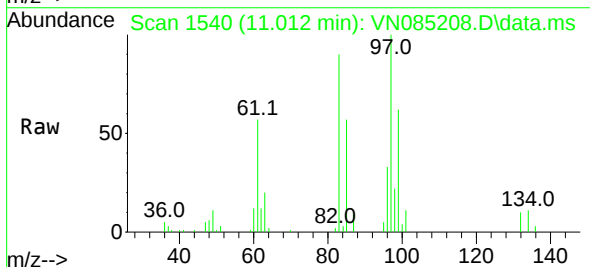


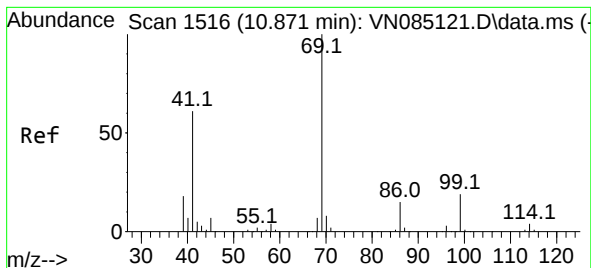
|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 63332 |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 77 31.0     | 23.8 35.6   |
| 39 45.4     | 37.3 55.9   |



#50  
 1,1,2-Trichloroethane  
 Concen: 18.046 ug/l  
 RT: 11.012 min Scan# 1540  
 Delta R.T. 0.000 min  
 Lab File: VN085208.D  
 Acq: 16 Dec 2024 10:19

|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 36370 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 89.8     | 65.8 98.8   |
| 85 57.1     | 40.8 61.2   |
| 99 61.9     | 44.0 66.0   |

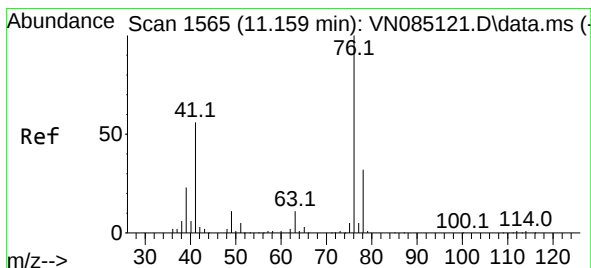
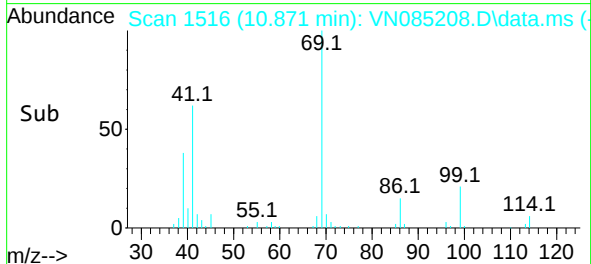
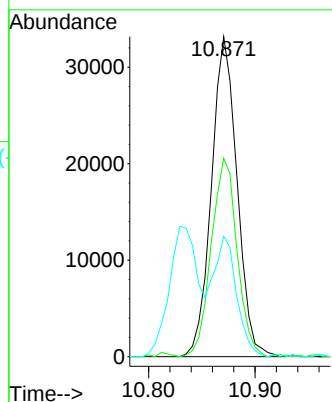
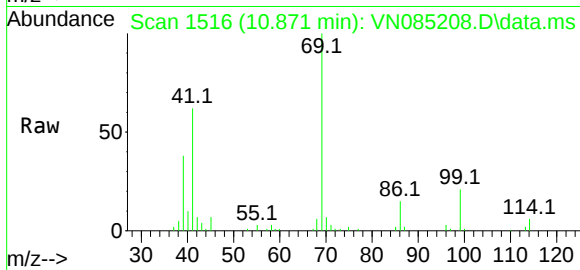




#51  
Ethyl methacrylate  
Concen: 18.076 ug/l  
RT: 10.871 min Scan# 1516  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

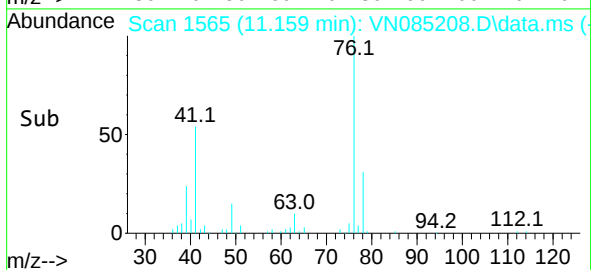
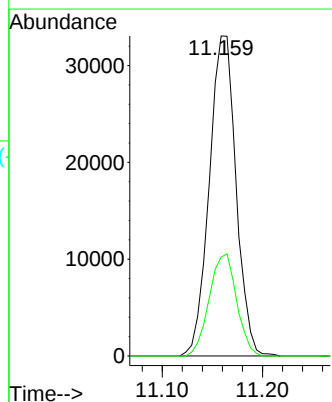
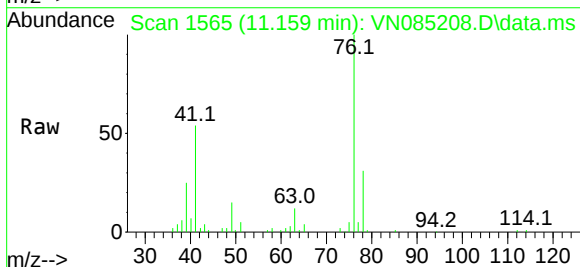
Instrument :  
MSVOA\_N  
ClientSampleId :

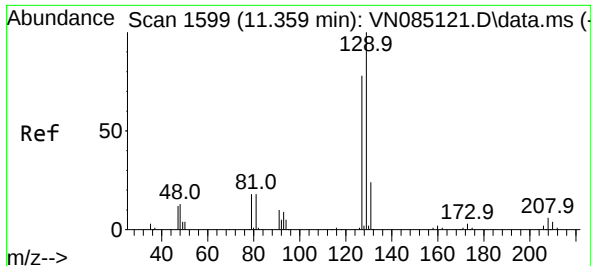
Tgt Ion: 69 Resp: 55409  
Ion Ratio Lower Upper  
69 100  
41 62.0 32.1 96.3  
39 36.8 18.8 56.4



#52  
1,3-Dichloropropane  
Concen: 18.210 ug/l  
RT: 11.159 min Scan# 1565  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

Tgt Ion: 76 Resp: 61421  
Ion Ratio Lower Upper  
76 100  
78 32.5 0.0 65.6

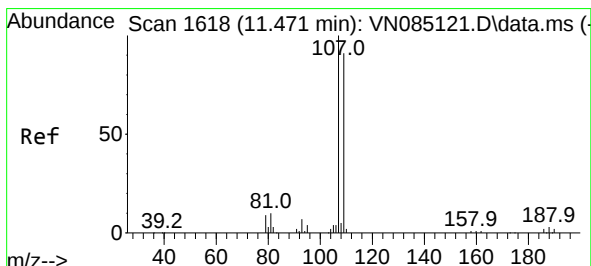
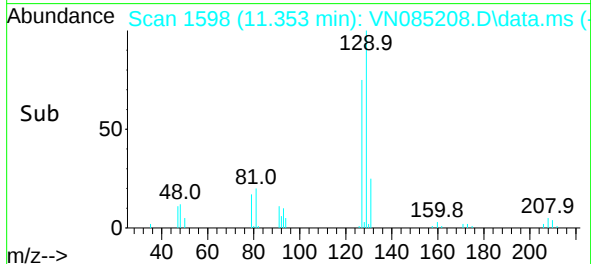
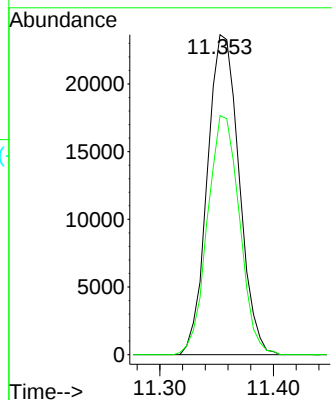
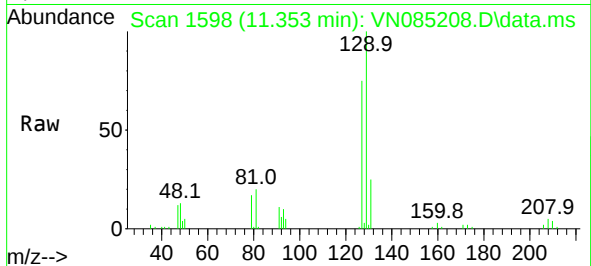




#53  
Dibromochloromethane  
Concen: 18.708 ug/l  
RT: 11.353 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

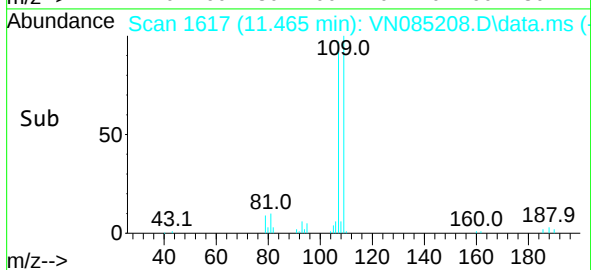
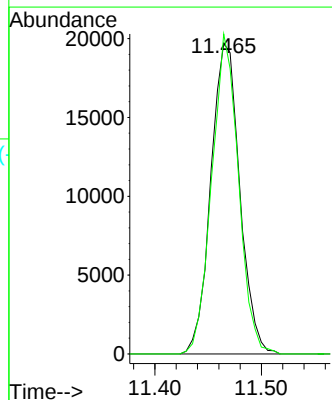
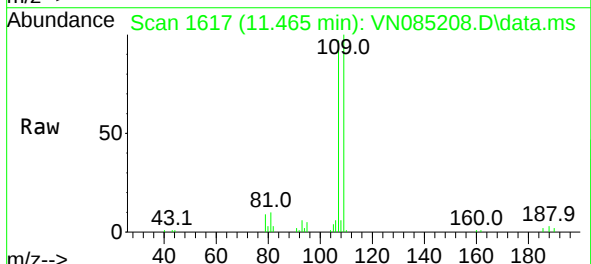
Instrument :  
MSVOA\_N  
ClientSampleId :

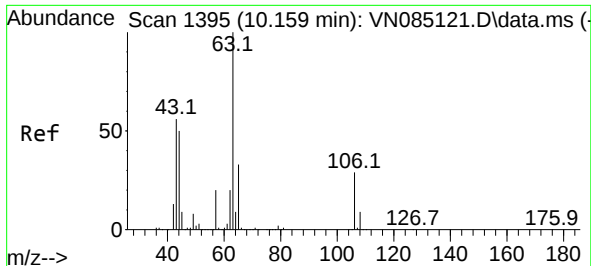
Tgt Ion:129 Resp: 45949  
Ion Ratio Lower Upper  
129 100  
127 75.2 37.3 111.9



#54  
1,2-Dibromoethane  
Concen: 18.272 ug/l  
RT: 11.465 min Scan# 1617  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

Tgt Ion:107 Resp: 37104  
Ion Ratio Lower Upper  
107 100  
109 95.1 75.2 112.8

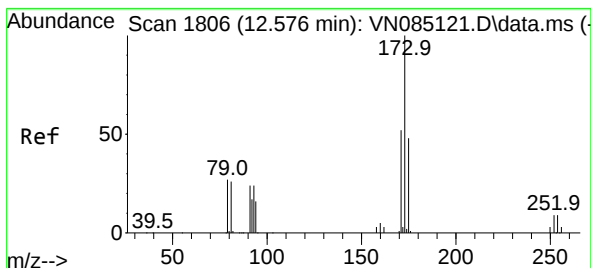
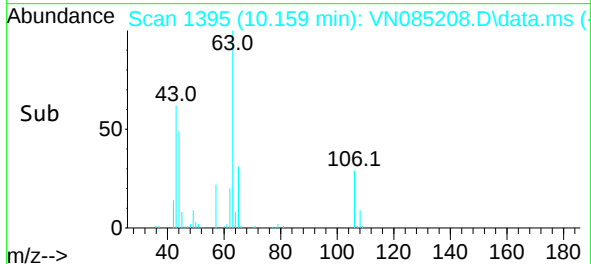
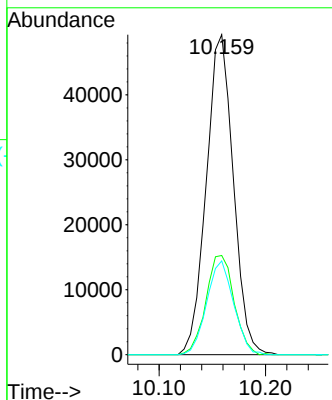
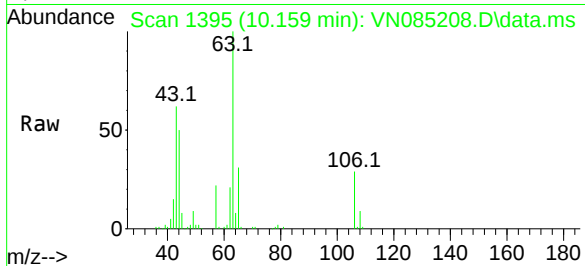




#55  
 2-Chloroethyl vinyl ether  
 Concen: 61.005 ug/l  
 RT: 10.159 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VN085208.D  
 Acq: 16 Dec 2024 10:19

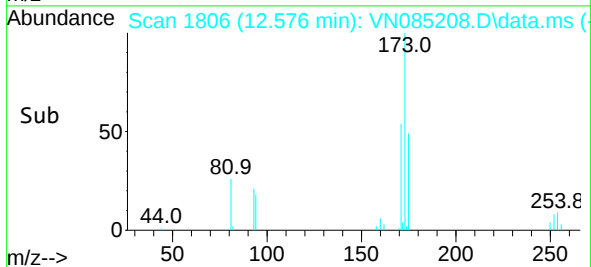
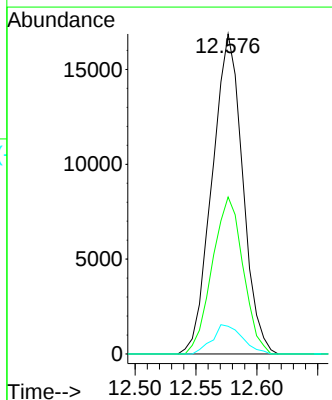
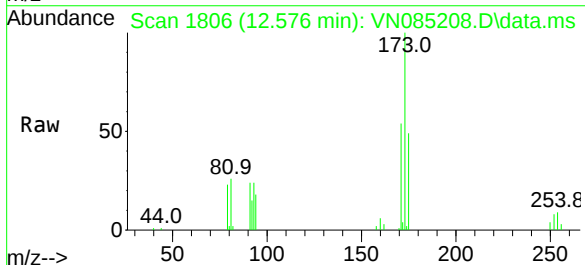
Instrument :  
 MSVOA\_N  
 ClientSampleId :

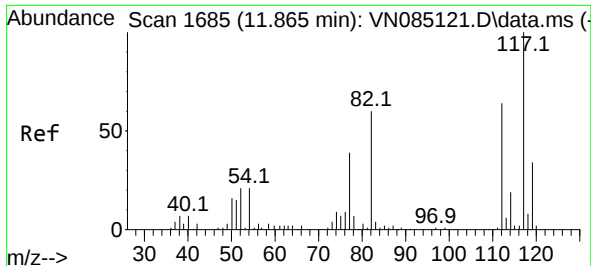
Tgt Ion: 63 Resp: 86871  
 Ion Ratio Lower Upper  
 63 100  
 65 32.2 25.9 38.9  
 106 29.3 23.5 35.3



#56  
 Bromoform  
 Concen: 17.887 ug/l  
 RT: 12.576 min Scan# 1806  
 Delta R.T. 0.000 min  
 Lab File: VN085208.D  
 Acq: 16 Dec 2024 10:19

Tgt Ion: 173 Resp: 29455  
 Ion Ratio Lower Upper  
 173 100  
 175 49.6 40.2 60.2  
 254 9.0 6.2 9.4





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN085208.D

Acq: 16 Dec 2024 10:19

Instrument :

MSVOA\_N

ClientSampleId :

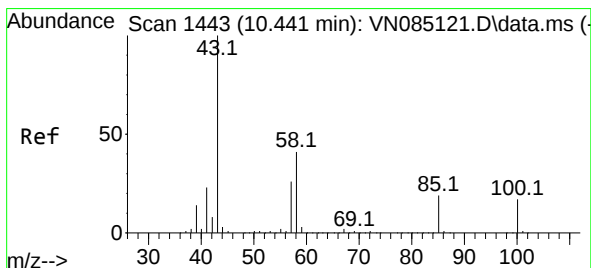
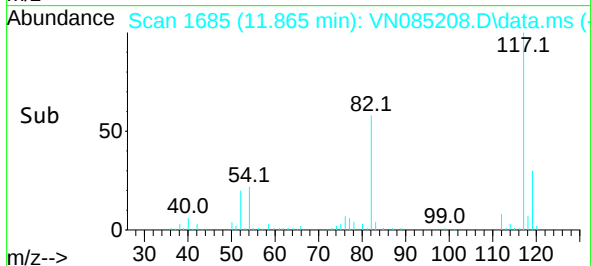
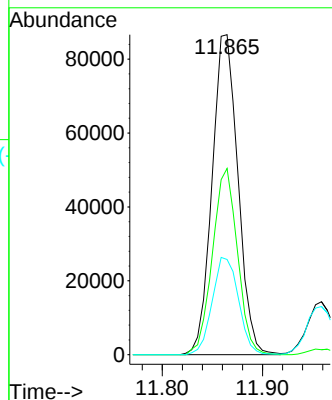
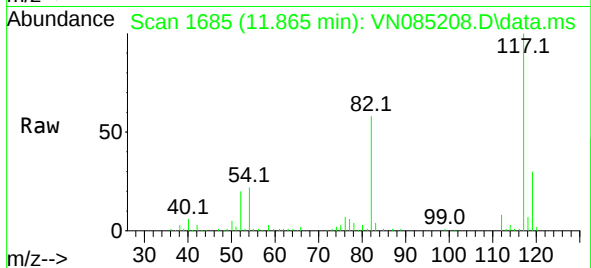
Tgt Ion:117 Resp: 155663

Ion Ratio Lower Upper

117 100

82 56.1 44.2 66.4

119 30.8 25.4 38.2



#58

4-Methyl-2-Pentanone

Concen: 90.751 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. 0.000 min

Lab File: VN085208.D

Acq: 16 Dec 2024 10:19

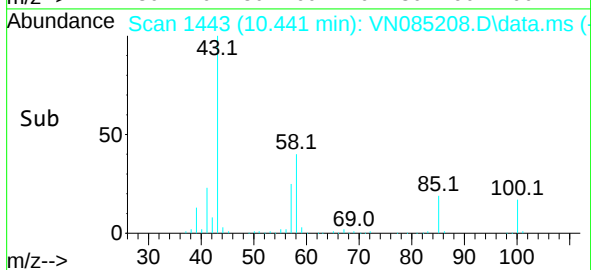
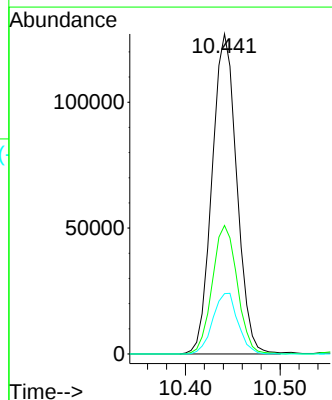
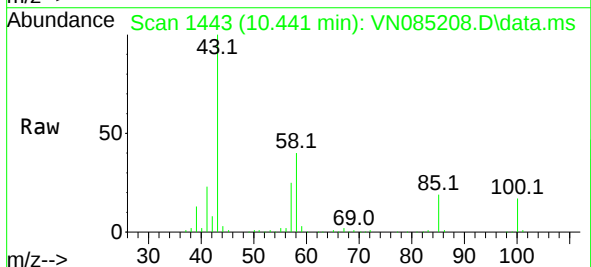
Tgt Ion: 43 Resp: 230551

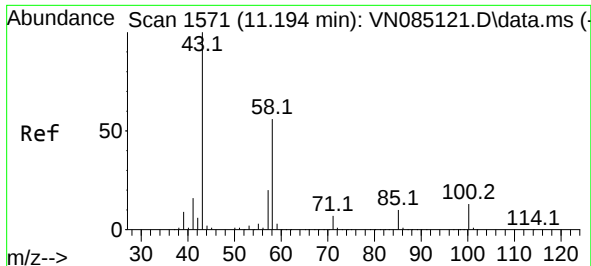
Ion Ratio Lower Upper

43 100

58 40.6 31.6 47.4

85 19.2 15.0 22.6

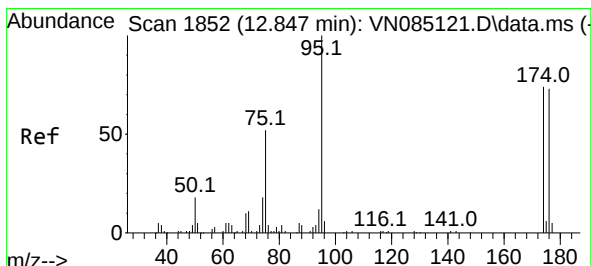
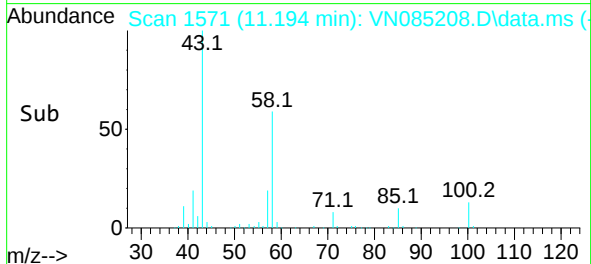
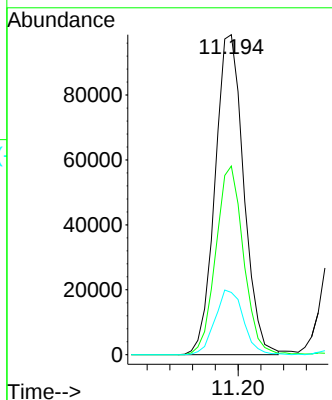
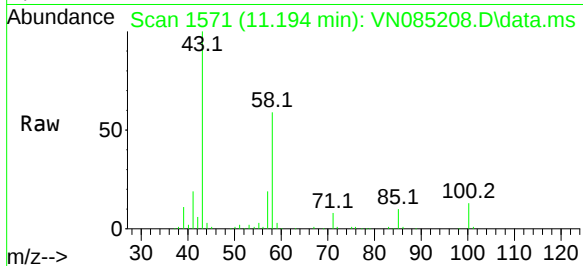




#59  
2-Hexanone  
Concen: 89.701 ug/l  
RT: 11.194 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

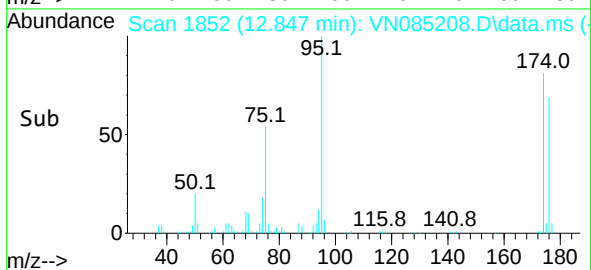
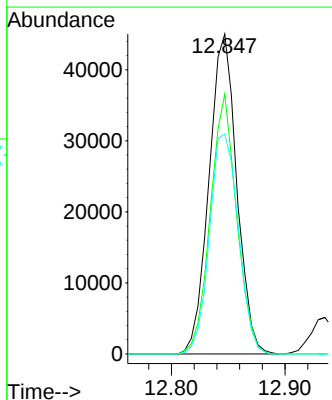
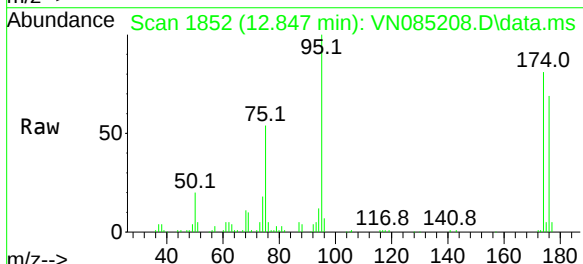
Instrument :  
MSVOA\_N  
ClientSampleId :

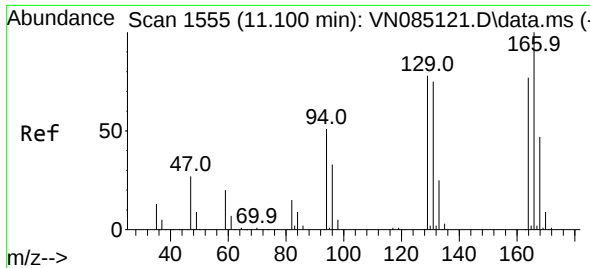
Tgt Ion: 43 Resp: 172668  
Ion Ratio Lower Upper  
43 100  
58 56.9 43.6 65.4  
57 20.0 15.4 23.0



#60  
4-Bromofluorobenzene  
Concen: 29.655 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

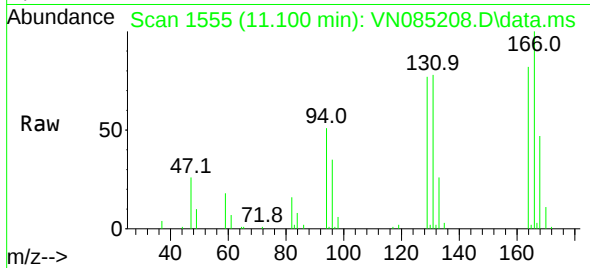
Tgt Ion: 95 Resp: 76379  
Ion Ratio Lower Upper  
95 100  
174 77.0 60.3 90.5  
176 71.5 57.4 86.0



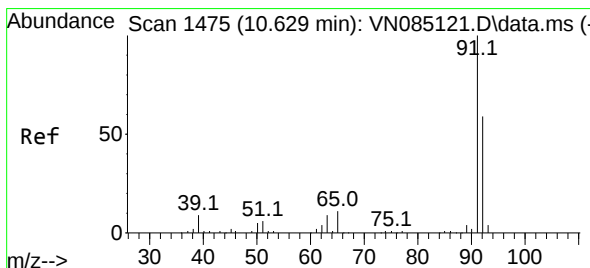
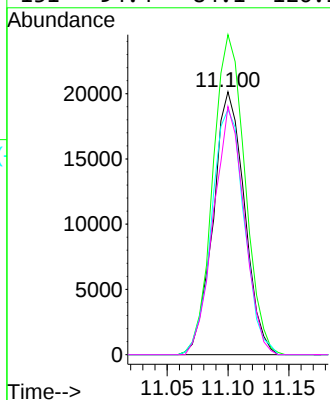
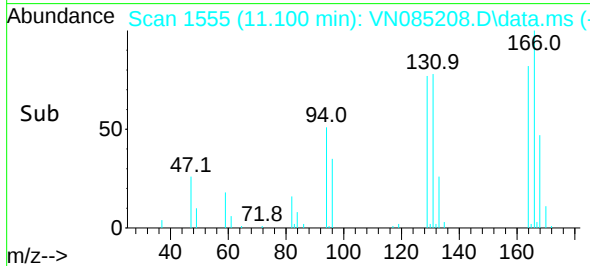


#61  
Tetrachloroethene  
Concen: 19.138 ug/l  
RT: 11.100 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

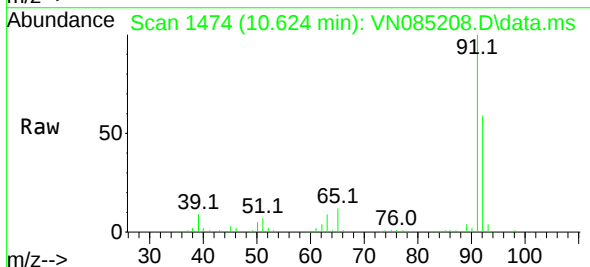
Instrument :  
MSVOA\_N  
ClientSampleId :



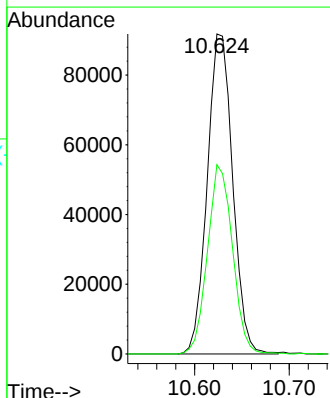
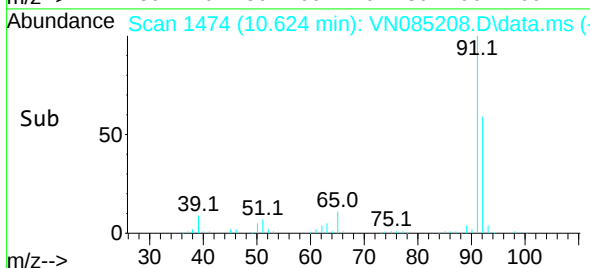
Tgt Ion:164 Resp: 36077  
Ion Ratio Lower Upper  
164 100  
166 121.7 103.8 155.8  
129 93.2 84.2 126.4  
131 94.4 84.1 126.1

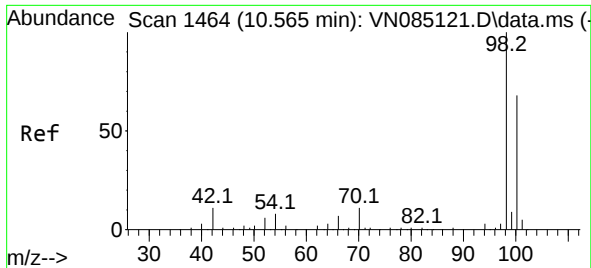


#62  
Toluene  
Concen: 18.900 ug/l  
RT: 10.624 min Scan# 1474  
Delta R.T. -0.006 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19



Tgt Ion: 91 Resp: 171579  
Ion Ratio Lower Upper  
91 100  
92 58.1 46.5 69.7

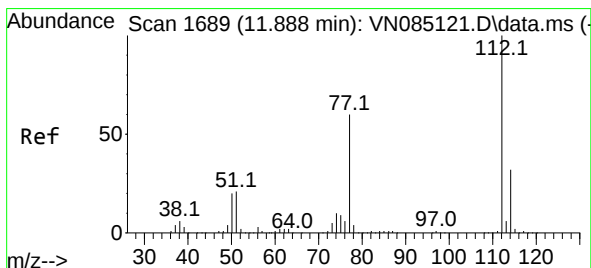
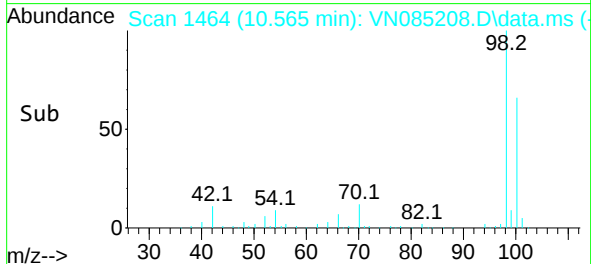
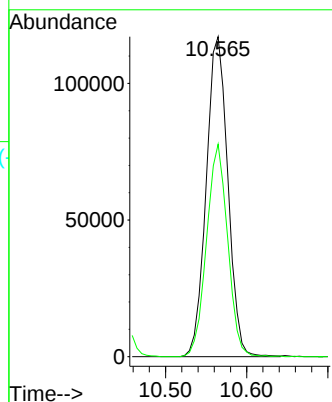
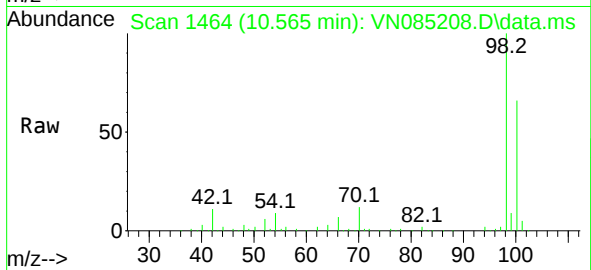




#63  
Toluene-d8  
Concen: 29.671 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

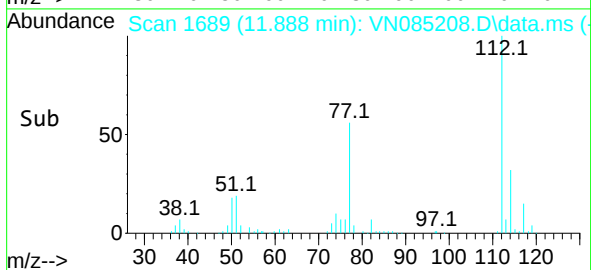
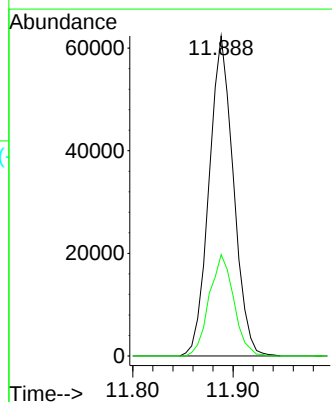
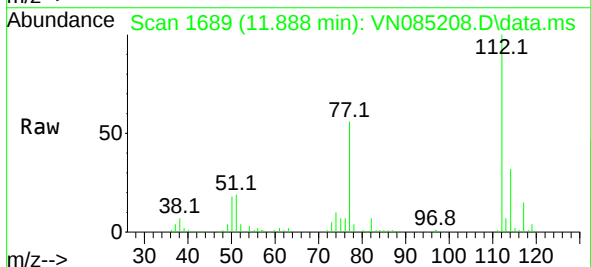
Instrument :  
MSVOA\_N  
ClientSampleId :

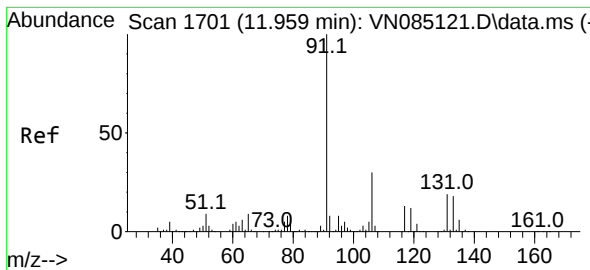
Tgt Ion: 98 Resp: 216652  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.0 78.0



#64  
Chlorobenzene  
Concen: 18.744 ug/l  
RT: 11.888 min Scan# 1689  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

Tgt Ion: 112 Resp: 105060  
Ion Ratio Lower Upper  
112 100  
114 31.7 26.0 39.0

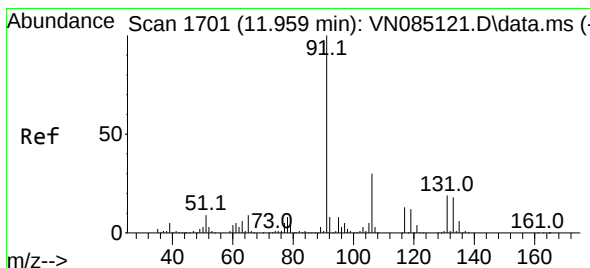
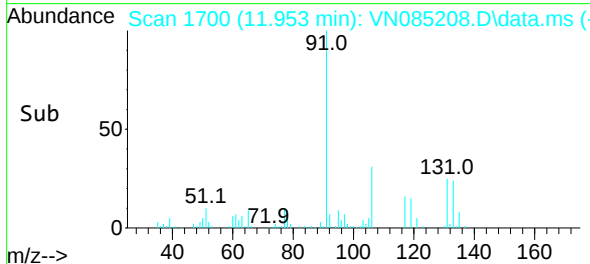
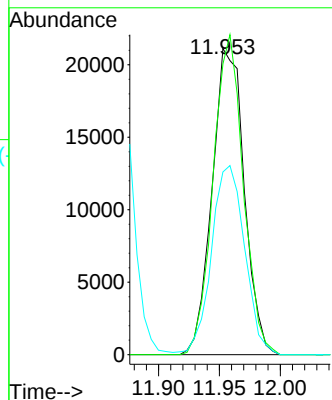
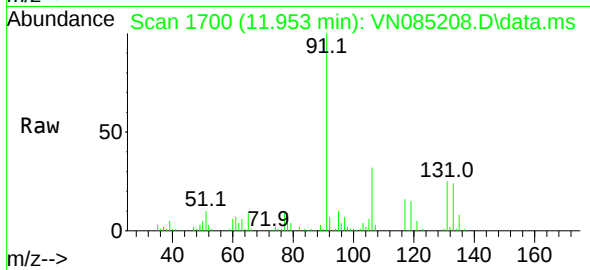




#65  
1,1,1,2-Tetrachloroethane  
Concen: 18.556 ug/l  
RT: 11.953 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

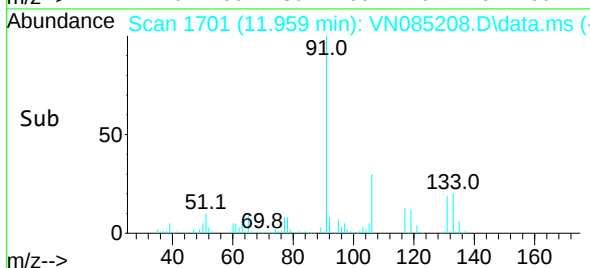
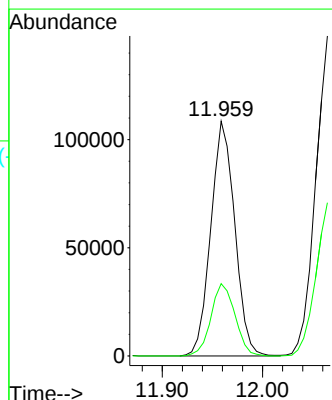
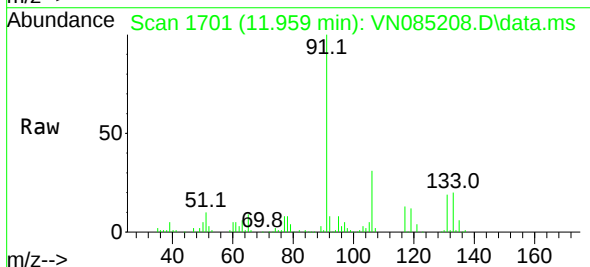
Instrument :  
MSVOA\_N  
ClientSampleId :

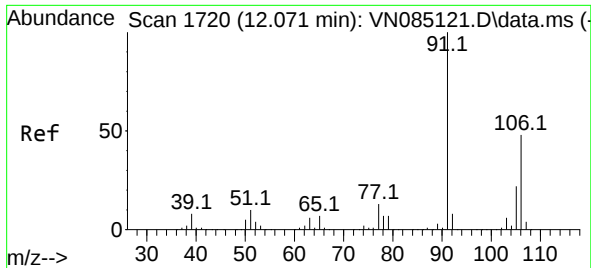
Tgt Ion:131 Resp: 38827  
Ion Ratio Lower Upper  
131 100  
133 98.0 0.0 194.0  
119 63.7 0.0 131.8



#66  
Ethyl Benzene  
Concen: 18.698 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. -0.006 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

Tgt Ion: 91 Resp: 180124  
Ion Ratio Lower Upper  
91 100  
106 30.8 23.1 34.7

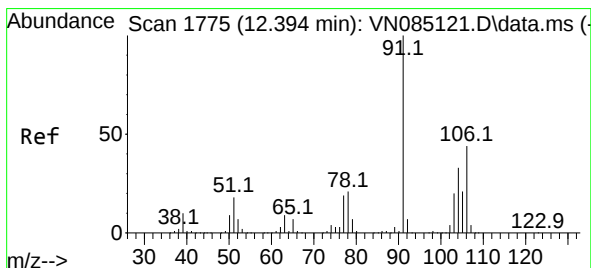
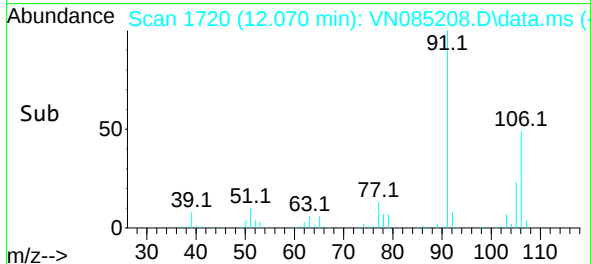
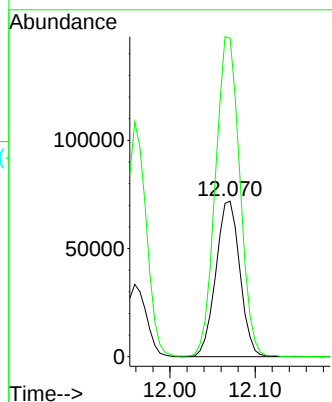
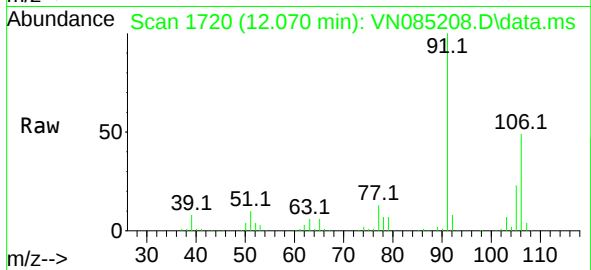




#67  
m/p-Xylenes  
Concen: 38.037 ug/l  
RT: 12.070 min Scan# 1720  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

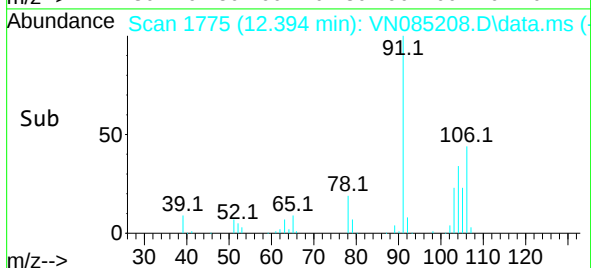
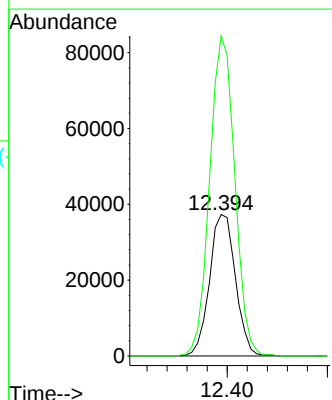
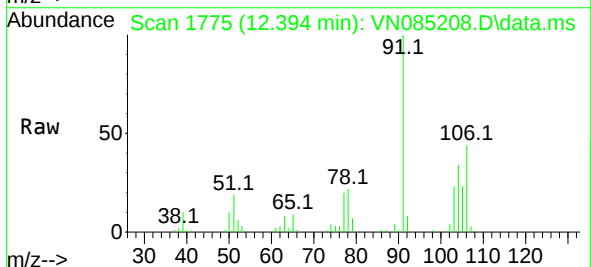
Instrument :  
MSVOA\_N  
ClientSampleId :

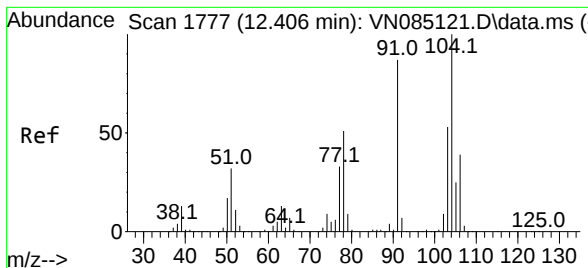
Tgt Ion:106 Resp: 140933  
Ion Ratio Lower Upper  
106 100  
91 208.6 165.0 247.4



#68  
o-Xylene  
Concen: 19.229 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

Tgt Ion:106 Resp: 66910  
Ion Ratio Lower Upper  
106 100  
91 219.0 112.1 336.4





#69

Styrene

Concen: 18.651 ug/l

RT: 12.406 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN085208.D

Acq: 16 Dec 2024 10:19

Instrument :

MSVOA\_N

ClientSampleId :

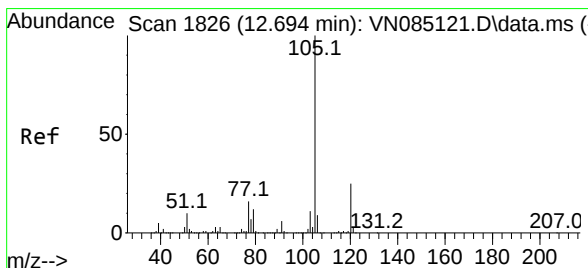
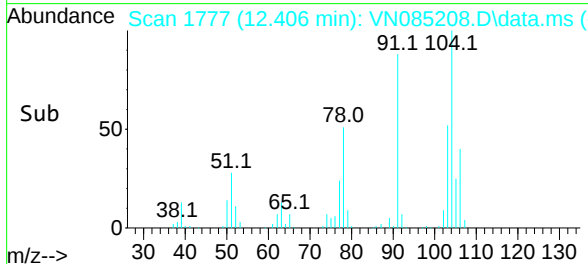
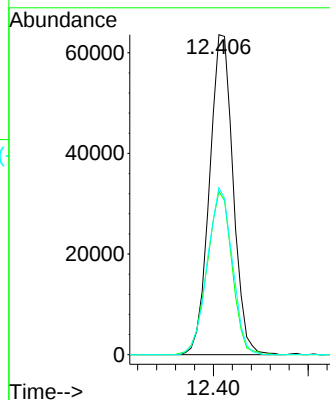
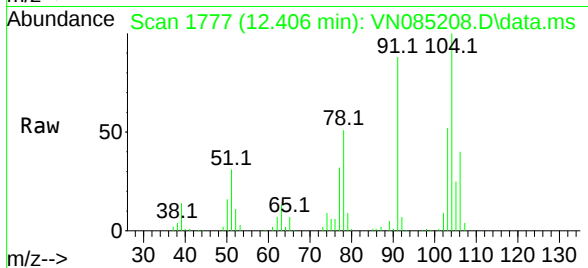
Tgt Ion:104 Resp: 110123

Ion Ratio Lower Upper

104 100

78 53.6 42.3 63.5

103 55.0 44.4 66.6



#70

Isopropylbenzene

Concen: 19.264 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN085208.D

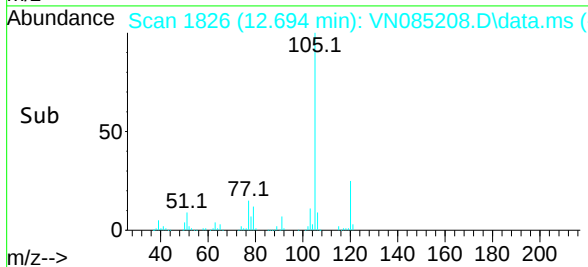
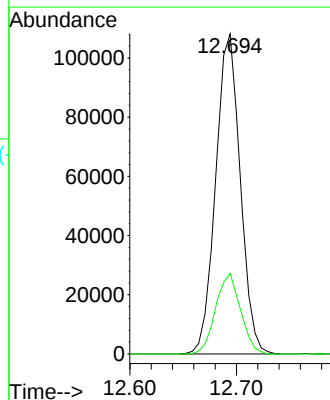
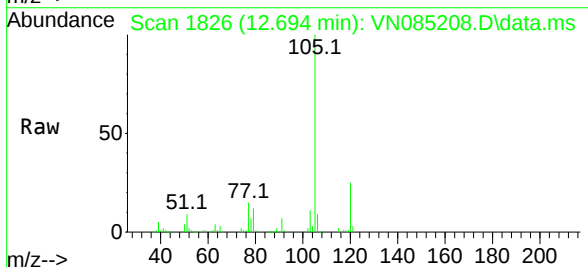
Acq: 16 Dec 2024 10:19

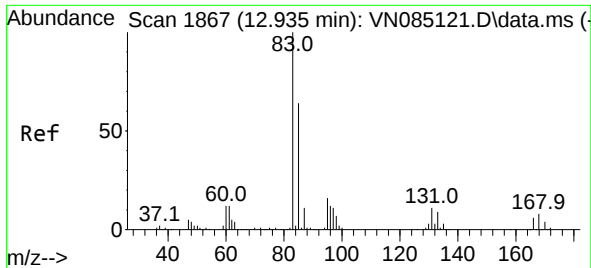
Tgt Ion:105 Resp: 172891

Ion Ratio Lower Upper

105 100

120 25.4 18.3 33.9

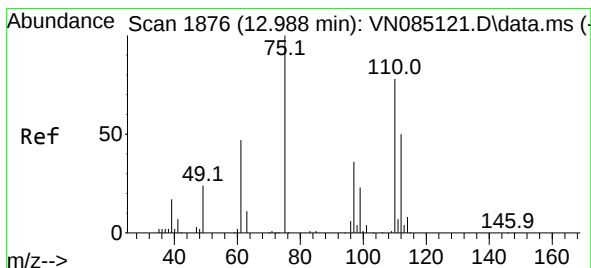
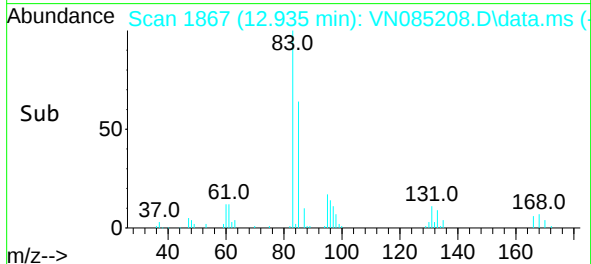
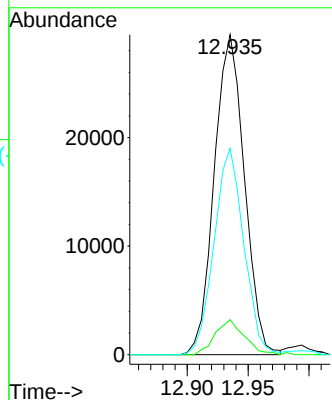
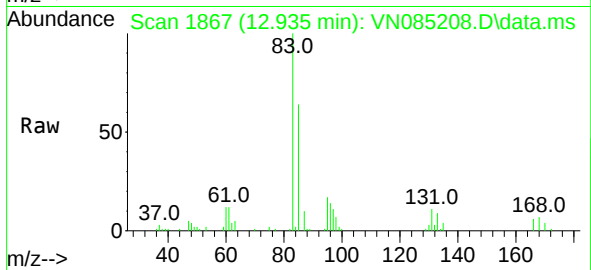




#71  
1,1,2,2-Tetrachloroethane  
Concen: 18.592 ug/l  
RT: 12.935 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

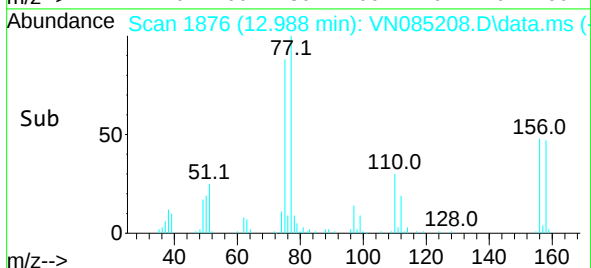
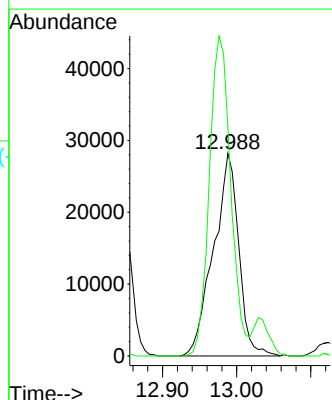
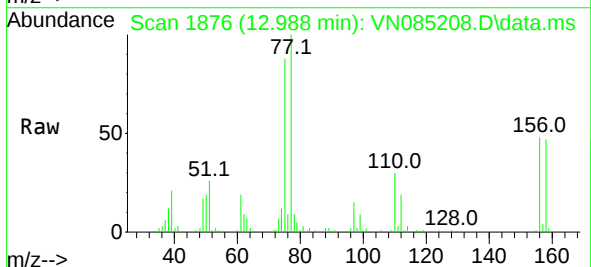
Instrument :  
MSVOA\_N  
ClientSampleId :

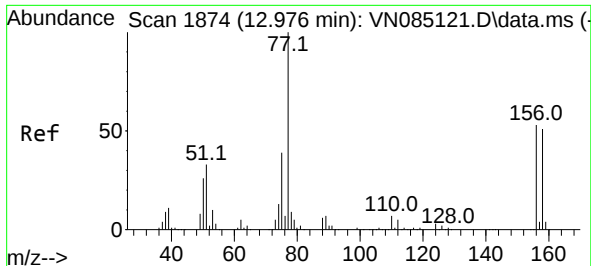
Tgt Ion: 83 Resp: 50789  
Ion Ratio Lower Upper  
83 100  
131 10.6 5.1 15.3  
85 63.5 31.1 93.5



#72  
1,2,3-Trichloropropane  
Concen: 24.657 ug/l  
RT: 12.988 min Scan# 1876  
Delta R.T. -0.006 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

Tgt Ion: 75 Resp: 66535  
Ion Ratio Lower Upper  
75 100  
77 134.8 0.0 339.0

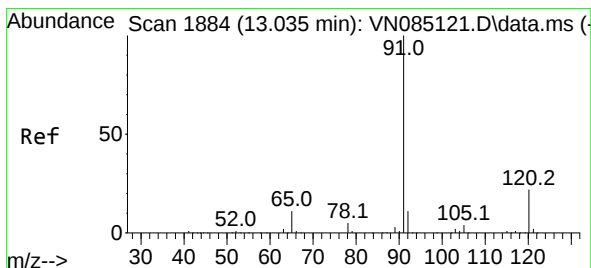
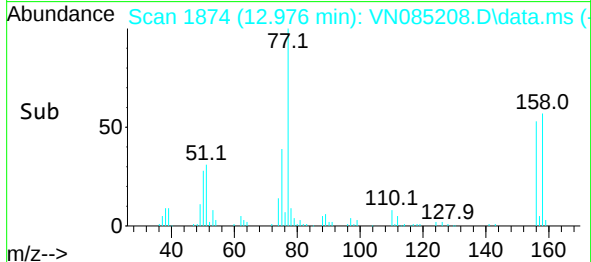
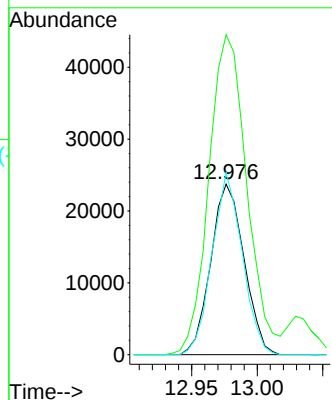
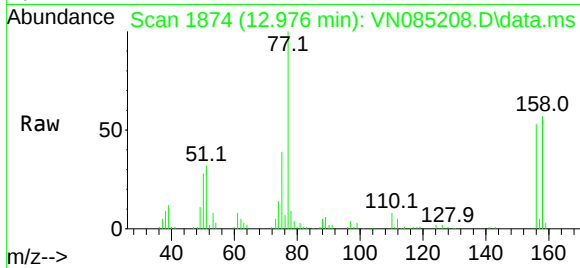




#73  
Bromobenzene  
Concen: 18.670 ug/l  
RT: 12.976 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

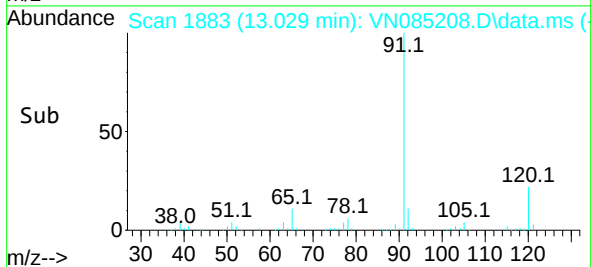
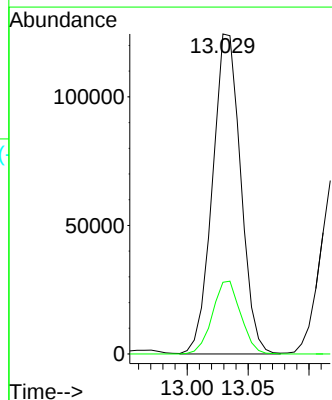
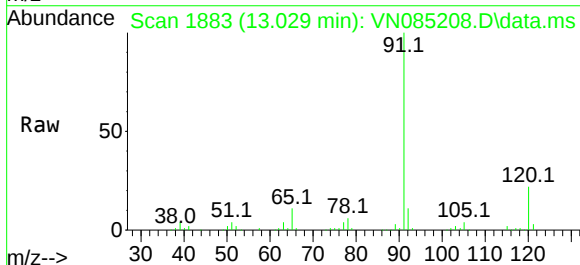
Instrument :  
MSVOA\_N  
ClientSampleId :

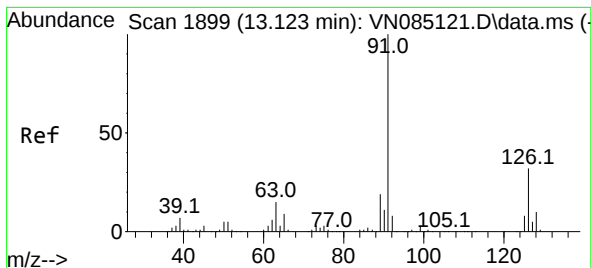
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 213.6 | 0.0   | 430.4 |
| 158     | 96.9  | 0.0   | 195.2 |



#74  
n-propylbenzene  
Concen: 18.628 ug/l  
RT: 13.029 min Scan# 1883  
Delta R.T. -0.006 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 22.7  | 0.0   | 44.0  |





#75

2-Chlorotoluene

Concen: 18.991 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VN085208.D

Acq: 16 Dec 2024 10:19

Instrument :

MSVOA\_N

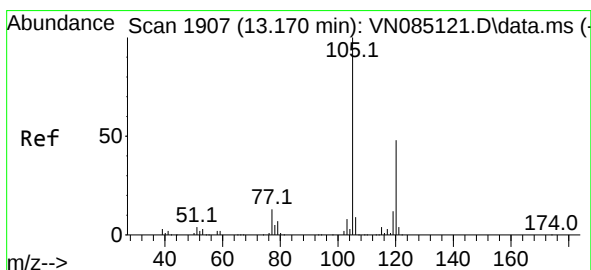
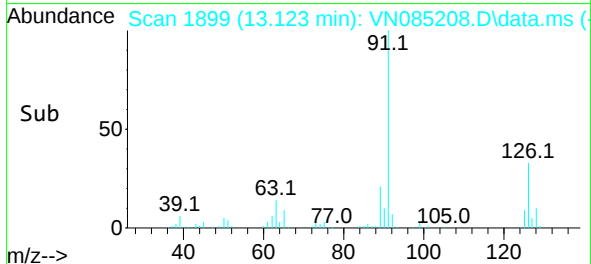
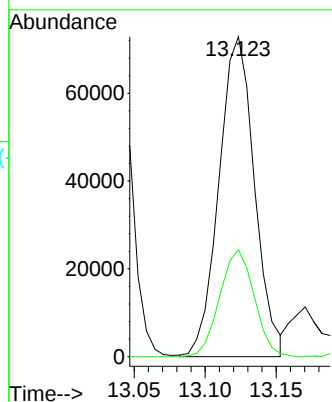
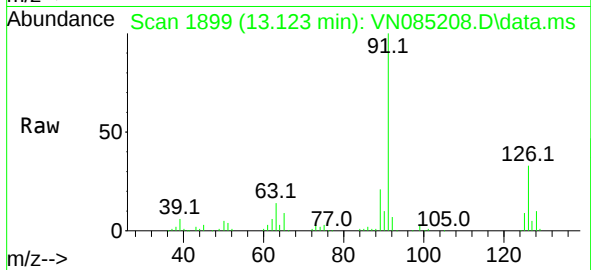
ClientSampleId :

Tgt Ion: 91 Resp: 126691

Ion Ratio Lower Upper

91 100

126 32.4 0.0 64.2



#76

1,3,5-Trimethylbenzene

Concen: 19.344 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN085208.D

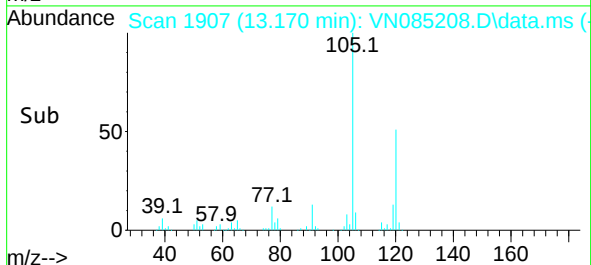
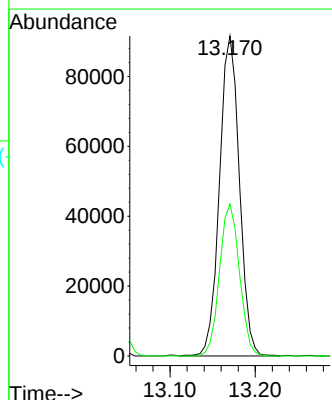
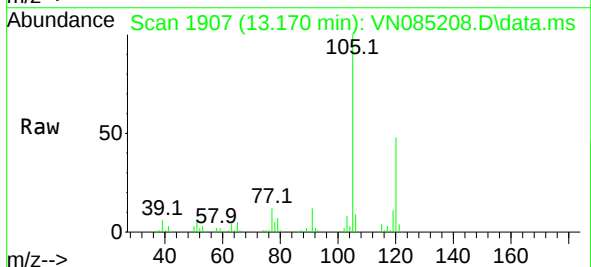
Acq: 16 Dec 2024 10:19

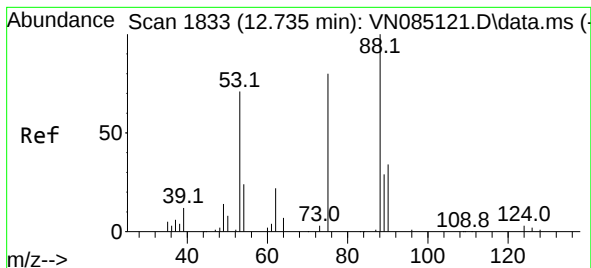
Tgt Ion:105 Resp: 148740

Ion Ratio Lower Upper

105 100

120 47.5 0.0 94.4

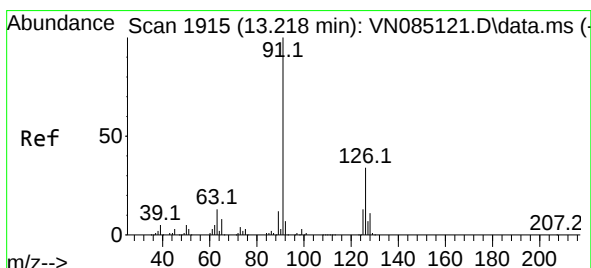
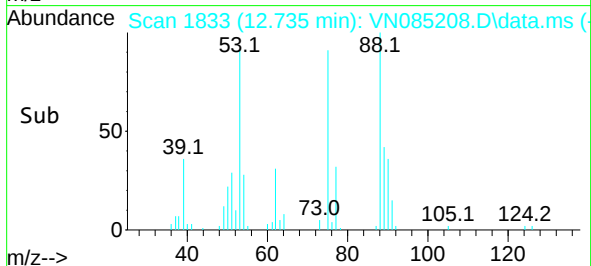
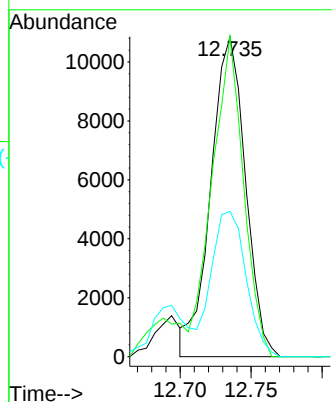
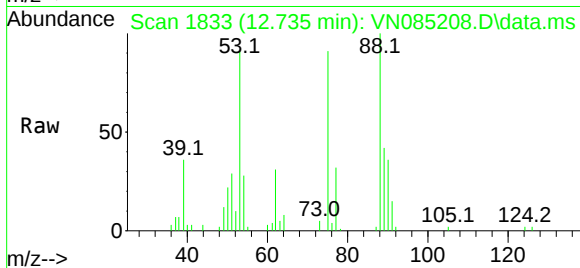




#77  
t-1,4-Dichloro-2-butene  
Concen: 18.768 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

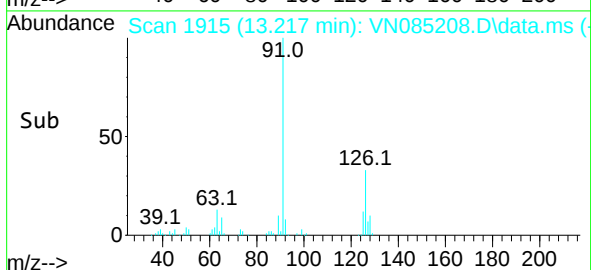
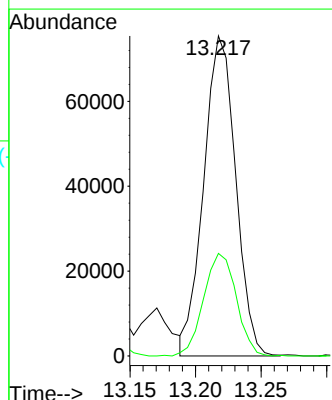
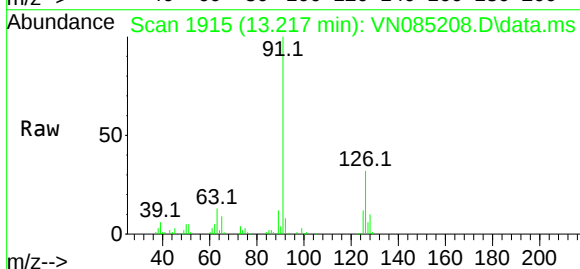
Instrument :  
MSVOA\_N  
ClientSampleId :

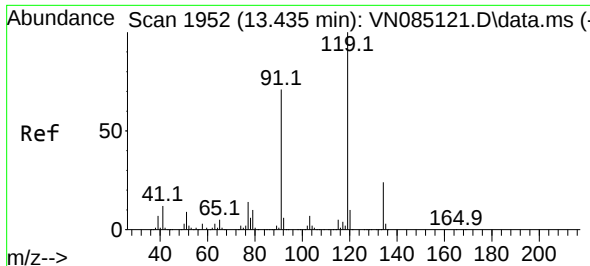
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 18403 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 100.1 | 49.1  | 147.3 |
| 89       | 45.4  | 22.9  | 68.5  |



#78  
4-Chlorotoluene  
Concen: 18.901 ug/l  
RT: 13.217 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 127983 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 32.6  | 0.0   | 64.4   |

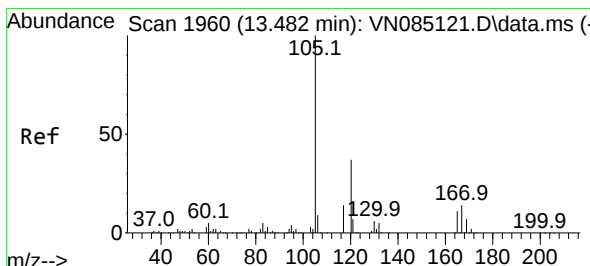
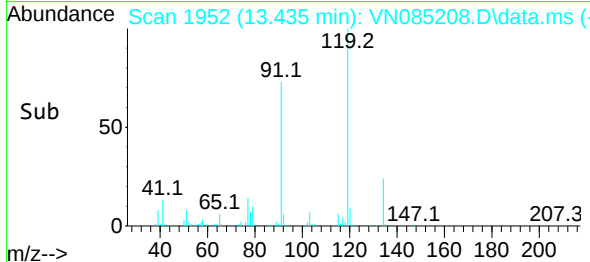
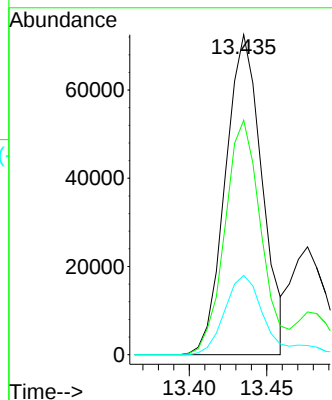
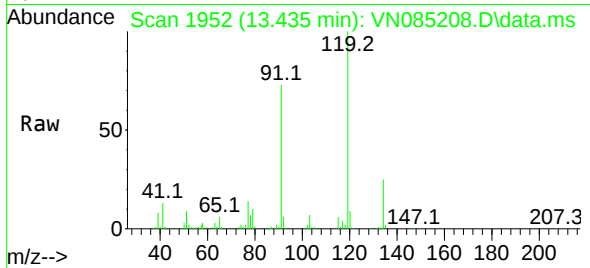




#79  
tert-butylbenzene  
Concen: 18.902 ug/l  
RT: 13.435 min Scan# 1952  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

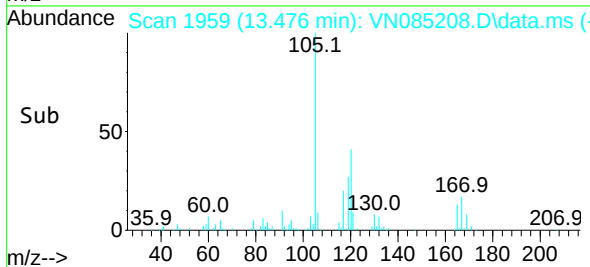
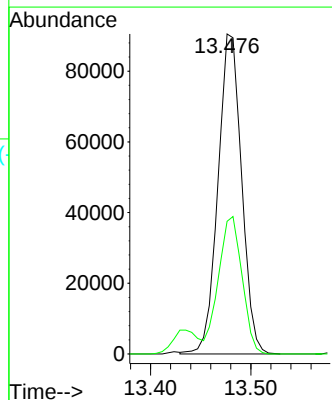
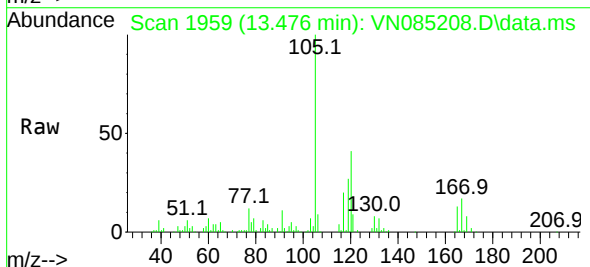
Instrument :  
MSVOA\_N  
ClientSampleId :

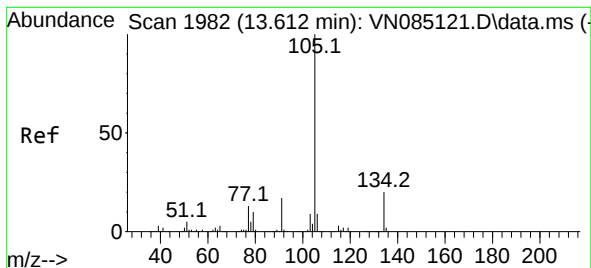
Tgt Ion:119 Resp: 119374  
Ion Ratio Lower Upper  
119 100  
91 72.9 0.0 139.2  
134 25.4 0.0 48.0



#80  
1,2,4-Trimethylbenzene  
Concen: 19.451 ug/l  
RT: 13.476 min Scan# 1959  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

Tgt Ion:105 Resp: 147735  
Ion Ratio Lower Upper  
105 100  
120 42.9 0.0 87.4





#81

sec-Butylbenzene

Concen: 19.039 ug/l

RT: 13.612 min Scan# 1982

Delta R.T. 0.000 min

Lab File: VN085208.D

Acq: 16 Dec 2024 10:19

Instrument :

MSVOA\_N

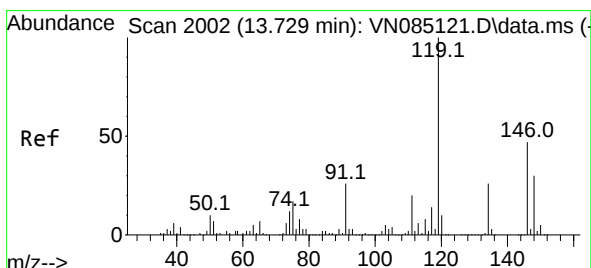
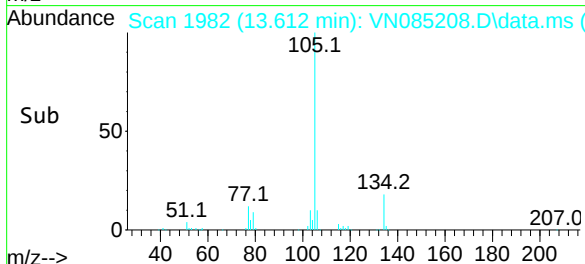
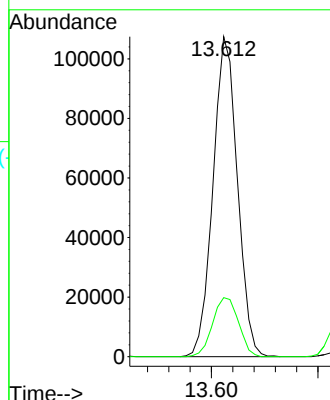
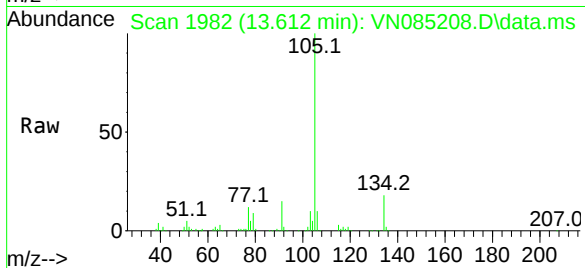
ClientSampleId :

Tgt Ion:105 Resp: 170821

Ion Ratio Lower Upper

105 100

134 19.6 0.0 38.0



#82

p-Isopropyltoluene

Concen: 19.331 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. -0.006 min

Lab File: VN085208.D

Acq: 16 Dec 2024 10:19

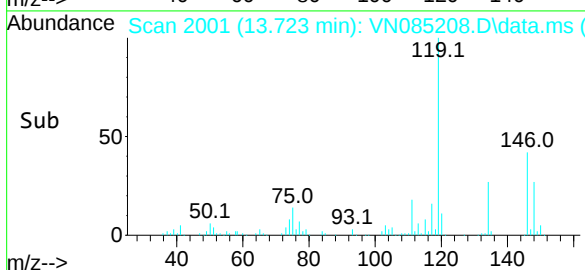
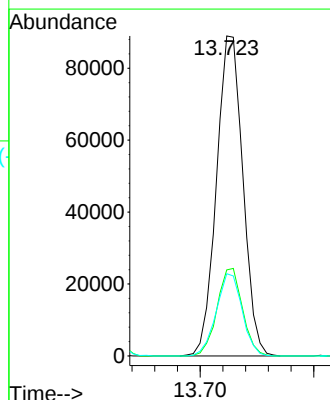
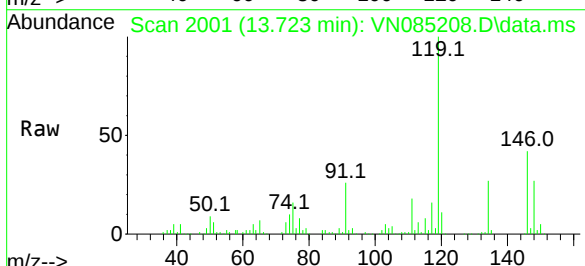
Tgt Ion:119 Resp: 143795

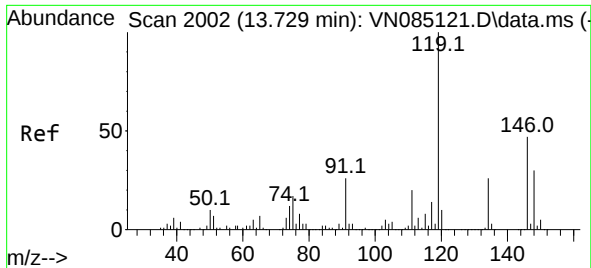
Ion Ratio Lower Upper

119 100

134 26.3 0.0 51.6

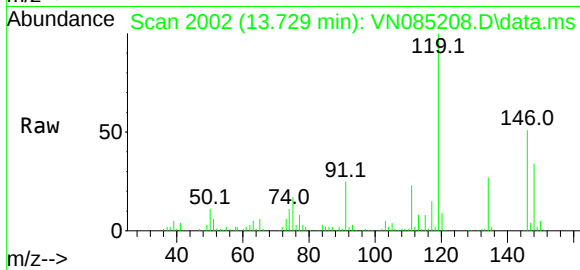
91 25.2 0.0 50.4



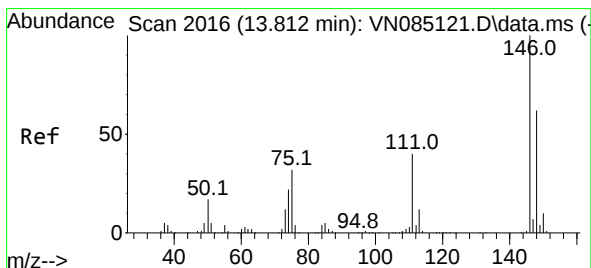
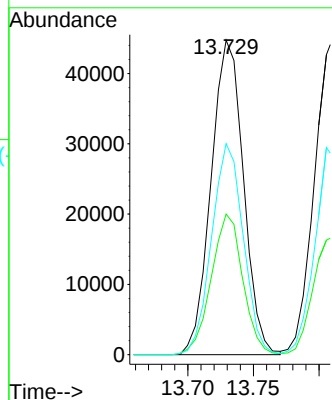
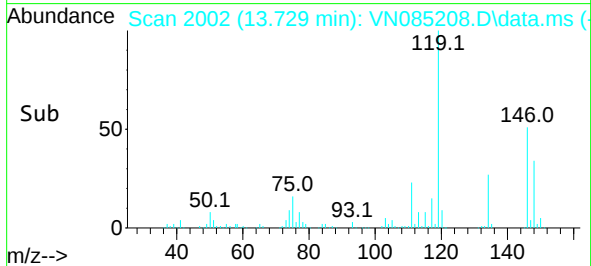


#83  
 1,3-Dichlorobenzene  
 Concen: 18.638 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.000 min  
 Lab File: VN085208.D  
 Acq: 16 Dec 2024 10:19

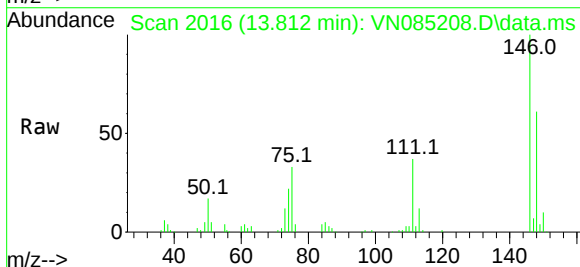
Instrument :  
 MSVOA\_N  
 ClientSampleId :



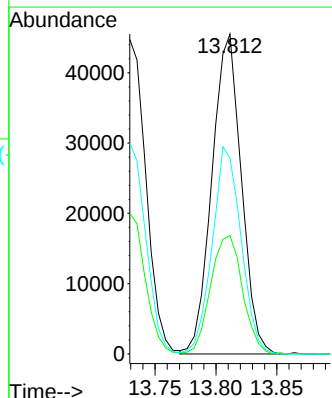
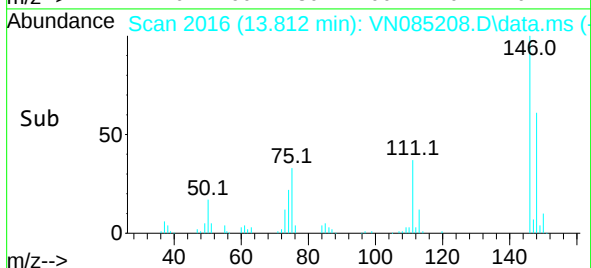
Tgt Ion:146 Resp: 76871  
 Ion Ratio Lower Upper  
 146 100  
 111 43.6 21.1 63.3  
 148 65.5 31.8 95.3

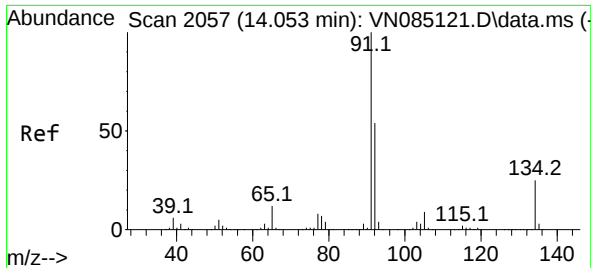


#84  
 1,4-Dichlorobenzene  
 Concen: 19.003 ug/l  
 RT: 13.812 min Scan# 2016  
 Delta R.T. 0.000 min  
 Lab File: VN085208.D  
 Acq: 16 Dec 2024 10:19



Tgt Ion:146 Resp: 76385  
 Ion Ratio Lower Upper  
 146 100  
 111 40.0 20.1 60.3  
 148 63.8 31.6 94.7

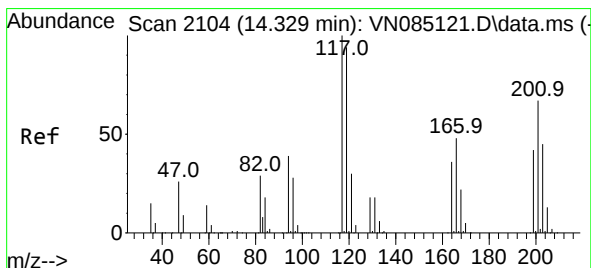
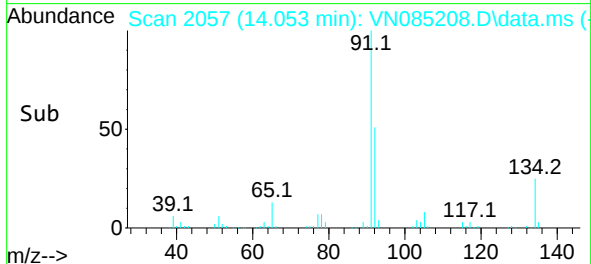
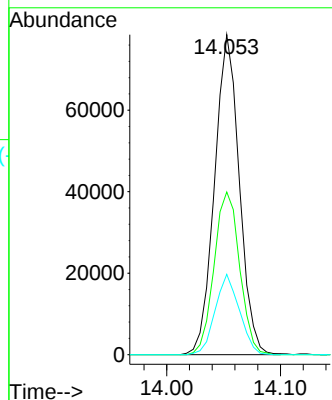
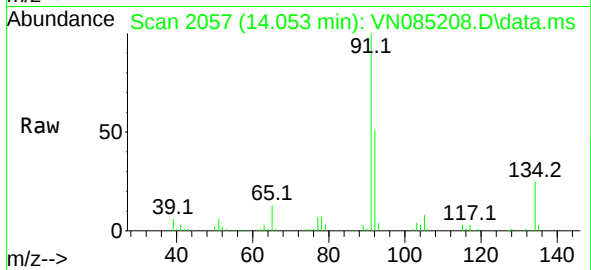




#85  
n-Butylbenzene  
Concen: 19.083 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

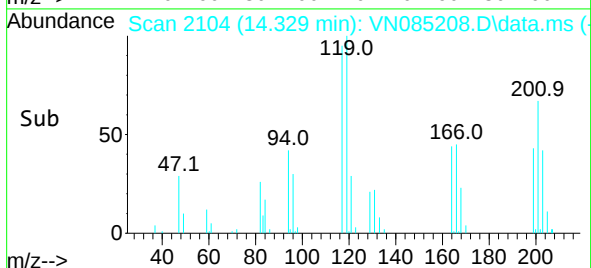
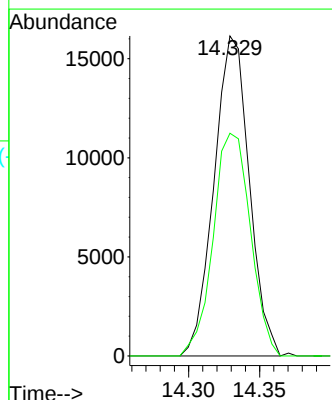
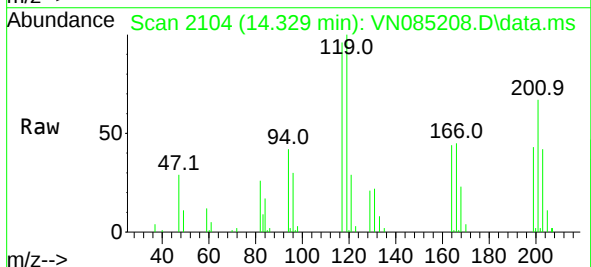
Instrument :  
MSVOA\_N  
ClientSampleId :

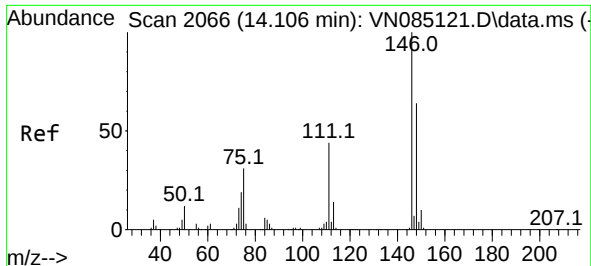
Tgt Ion: 91 Resp: 119073  
Ion Ratio Lower Upper  
91 100  
92 52.4 0.0 104.0  
134 24.5 0.0 49.2



#86  
Hexachloroethane  
Concen: 18.824 ug/l  
RT: 14.329 min Scan# 2104  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

Tgt Ion: 117 Resp: 27875  
Ion Ratio Lower Upper  
117 100  
201 73.5 34.1 102.3





#87

1,2-Dichlorobenzene

Concen: 18.718 ug/l

RT: 14.100 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VN085208.D

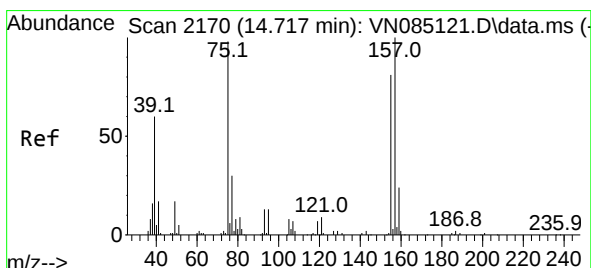
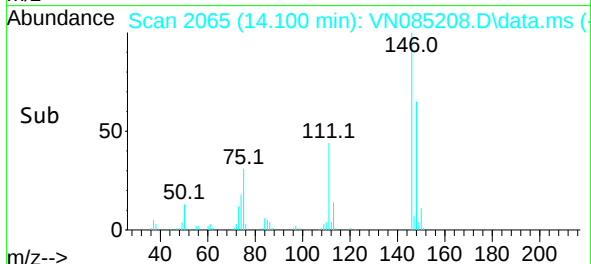
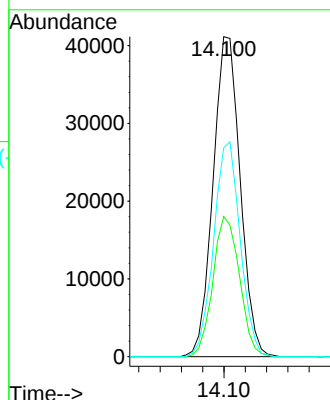
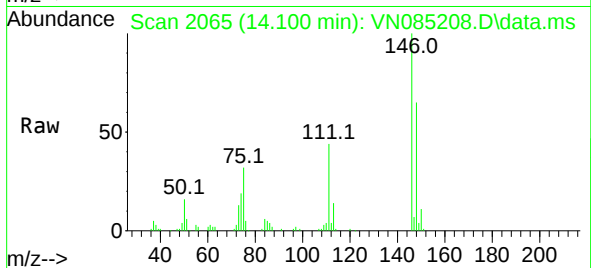
Acq: 16 Dec 2024 10:19

Instrument :

MSVOA\_N

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 72871 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 42.9  | 21.9  | 65.7  |
| 148      | 65.6  | 32.4  | 97.0  |



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.139 ug/l

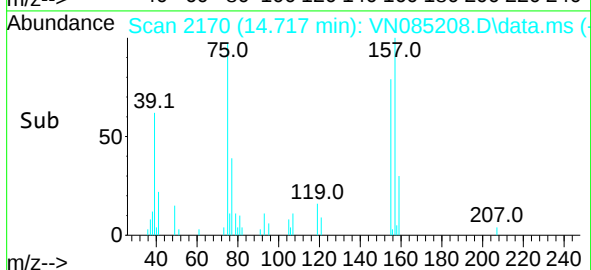
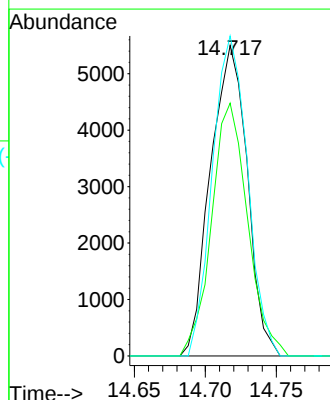
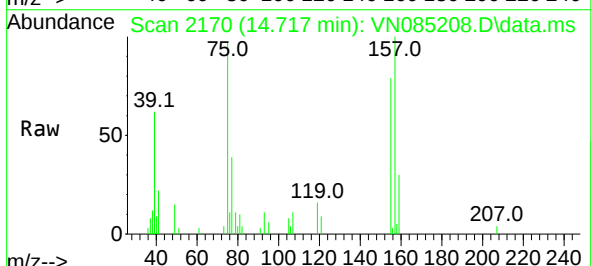
RT: 14.717 min Scan# 2170

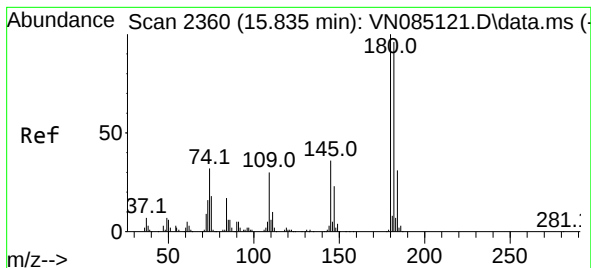
Delta R.T. 0.000 min

Lab File: VN085208.D

Acq: 16 Dec 2024 10:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 9899  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 79.8  | 62.1  | 93.1  |
| 157      | 98.5  | 79.3  | 118.9 |





#89

1,2,4-Trichlorobenzene

Concen: 19.527 ug/l

RT: 15.835 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN085208.D

Acq: 16 Dec 2024 10:19

Instrument :

MSVOA\_N

ClientSampleId :

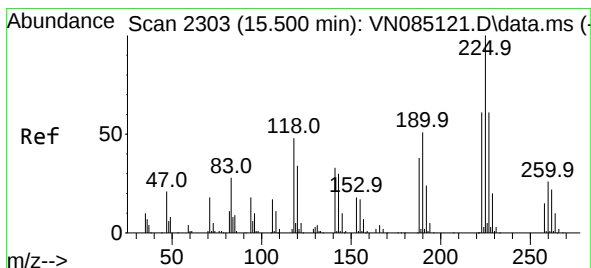
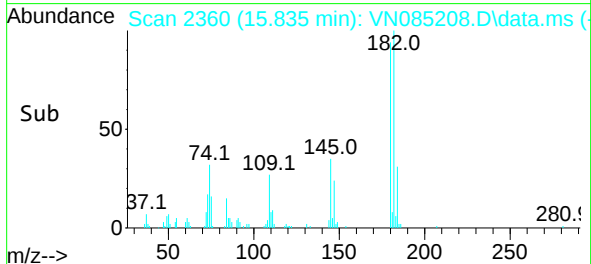
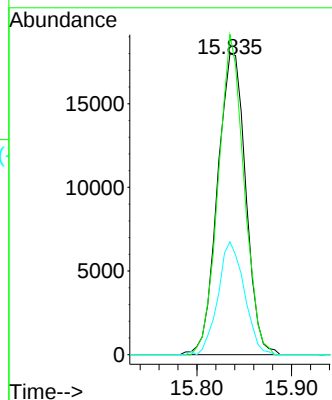
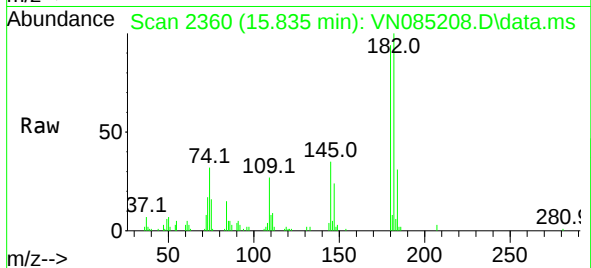
Tgt Ion:180 Resp: 37230

Ion Ratio Lower Upper

180 100

182 96.8 74.0 111.0

145 34.8 28.6 43.0



#90

Hexachlorobutadiene

Concen: 20.308 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. -0.006 min

Lab File: VN085208.D

Acq: 16 Dec 2024 10:19

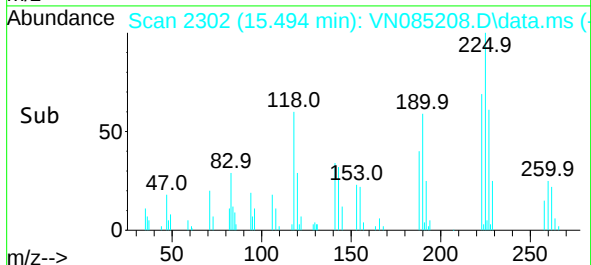
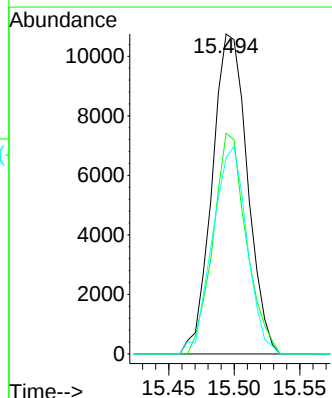
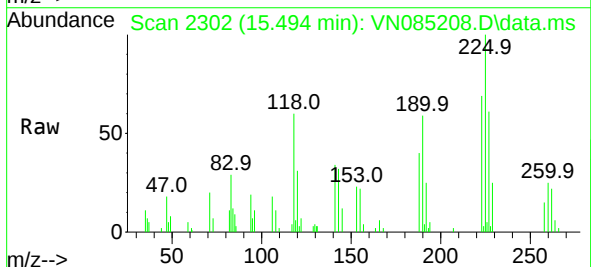
Tgt Ion:225 Resp: 20120

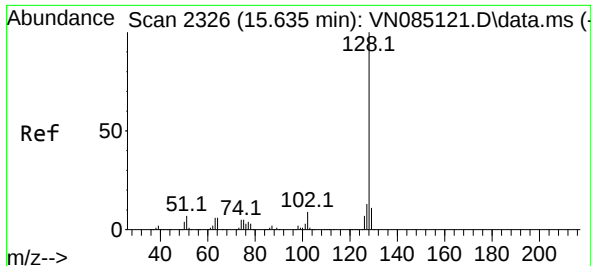
Ion Ratio Lower Upper

225 100

223 64.7 0.0 121.8

227 63.1 0.0 126.8

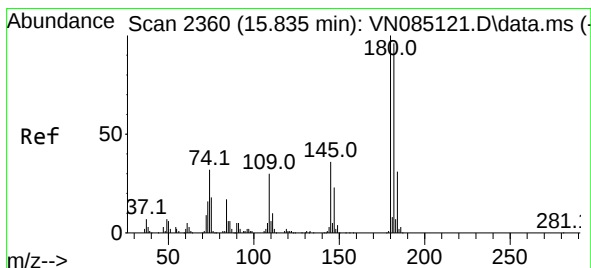
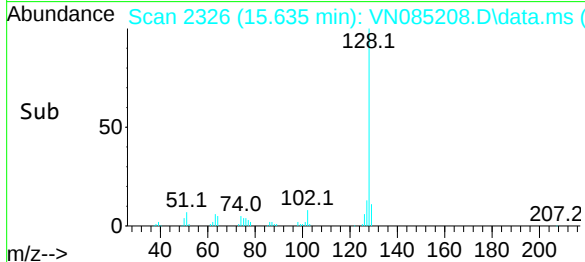
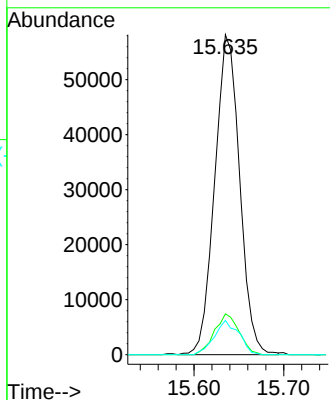
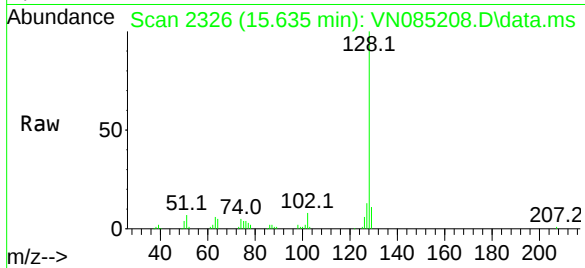




#91  
Naphthalene  
Concen: 18.930 ug/l  
RT: 15.635 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion:128 Resp: 112126  
Ion Ratio Lower Upper  
128 100  
127 12.6 11.0 16.4  
129 10.6 8.7 13.1



#92  
1,2,3-Trichlorobenzene  
Concen: 19.527 ug/l  
RT: 15.835 min Scan# 2360  
Delta R.T. 0.000 min  
Lab File: VN085208.D  
Acq: 16 Dec 2024 10:19

Tgt Ion:180 Resp: 37230  
Ion Ratio Lower Upper  
180 100  
182 96.8 0.0 185.0  
145 34.8 0.0 71.6

