

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110422\  
 Data File : VN075167.D  
 Acq On : 04 Nov 2022 11:53  
 Operator : JC\MD  
 Sample : VN1104WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1104WBS01

Quant Time: Nov 05 06:56:05 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 27 09:48:49 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 8.230  | 168   | 96458    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106  | 114   | 180134   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 11.865 | 117   | 164563   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.794 | 152   | 75250    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.583  | 65    | 69306    | 53.326   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | = 106.660% |          |
| 35) Dibromofluoromethane     | 8.171  | 113   | 55294    | 52.289   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | = 104.580% |          |
| 50) Toluene-d8               | 10.571 | 98    | 211601   | 51.576   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | = 103.160% |          |
| 62) 4-Bromofluorobenzene     | 12.847 | 95    | 72478    | 50.290   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | = 100.580% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.136  | 85    | 22594    | 18.006   | ug/l       | 92       |
| 3) Chloromethane             | 2.371  | 50    | 23458    | 17.600   | ug/l       | 99       |
| 4) Vinyl Chloride            | 2.524  | 62    | 33869    | 17.813   | ug/l       | 97       |
| 5) Bromomethane              | 2.918  | 94    | 31679    | 20.397   | ug/l       | 97       |
| 6) Chloroethane              | 3.101  | 64    | 24587    | 18.033   | ug/l       | 92       |
| 7) Trichlorofluoromethane    | 3.489  | 101   | 38579    | 19.862   | ug/l       | 100      |
| 8) Diethyl Ether             | 3.965  | 74    | 13998    | 19.758   | ug/l       | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371  | 101   | 21970    | 20.481   | ug/l       | 97       |
| 10) Methyl Iodide            | 4.601  | 142   | 30978    | 19.398   | ug/l       | 98       |
| 11) Tert butyl alcohol       | 5.536  | 59    | 27644    | 91.209   | ug/l       | 99       |
| 12) 1,1-Dichloroethene       | 4.348  | 96    | 19475    | 19.047   | ug/l       | 89       |
| 13) Acrolein                 | 4.189  | 56    | 19725    | 79.566   | ug/l       | 99       |
| 14) Allyl chloride           | 5.030  | 41    | 29580    | 19.808   | ug/l       | 99       |
| 15) Acrylonitrile            | 5.736  | 53    | 64174    | 100.234  | ug/l       | 98       |
| 16) Acetone                  | 4.442  | 43    | 59210    | 107.594  | ug/l       | 95       |
| 17) Carbon Disulfide         | 4.712  | 76    | 44669    | 17.372   | ug/l       | 99       |
| 18) Methyl Acetate           | 5.036  | 43    | 38798    | 21.584   | ug/l       | 99       |
| 19) Methyl tert-butyl Ether  | 5.806  | 73    | 75887    | 19.969   | ug/l       | 92       |
| 20) Methylene Chloride       | 5.289  | 84    | 25564    | 20.835   | ug/l       | 95       |
| 21) trans-1,2-Dichloroethene | 5.789  | 96    | 21544    | 19.244   | ug/l       | 92       |
| 22) Diisopropyl ether        | 6.683  | 45    | 63075    | 19.139   | ug/l       | 95       |
| 23) Vinyl Acetate            | 6.612  | 43    | 229190   | 83.283   | ug/l       | 100      |
| 24) 1,1-Dichloroethane       | 6.577  | 63    | 41318    | 19.824   | ug/l       | 97       |
| 25) 2-Butanone               | 7.489  | 43    | 85876    | 99.212   | ug/l       | 99       |
| 26) 2,2-Dichloropropane      | 7.494  | 77    | 36858    | 19.223   | ug/l       | 98       |
| 27) cis-1,2-Dichloroethene   | 7.494  | 96    | 26342    | 19.703   | ug/l       | 99       |
| 28) Bromochloromethane       | 7.818  | 49    | 17843    | 20.308   | ug/l #     | 99       |
| 29) Tetrahydrofuran          | 7.847  | 42    | 54048    | 96.630   | ug/l       | 98       |
| 30) Chloroform               | 7.971  | 83    | 44623    | 19.719   | ug/l       | 97       |
| 31) Cyclohexane              | 8.259  | 56    | 36068    | 18.659   | ug/l       | 99       |
| 32) 1,1,1-Trichloroethane    | 8.171  | 97    | 41030    | 19.966   | ug/l       | 96       |
| 36) 1,1-Dichloropropene      | 8.377  | 75    | 30900    | 18.874   | ug/l       | 97       |
| 37) Ethyl Acetate            | 7.565  | 43    | 33711    | 18.776   | ug/l       | 99       |
| 38) Carbon Tetrachloride     | 8.365  | 117   | 35512    | 19.719   | ug/l       | 99       |
| 39) Methylcyclohexane        | 9.606  | 83    | 39364    | 18.213   | ug/l       | 98       |
| 40) Benzene                  | 8.606  | 78    | 97930    | 19.536   | ug/l       | 96       |

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 Sample : VN1104WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1104WBS01

Quant Time: Nov 05 06:56:05 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 27 09:48:49 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.789  | 41   | 16862    | 19.603  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 36601    | 20.069  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.694  | 43   | 51913    | 18.640  | ug/l   | 99       |
| 44) Trichloroethene           | 9.359  | 130  | 24466    | 19.454  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 24330    | 20.395  | ug/l   | 92       |
| 46) Dibromomethane            | 9.712  | 93   | 18356    | 19.750  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.888  | 83   | 35093    | 19.498  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.683  | 41   | 23469    | 18.371  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 13011    | 388.934 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 170259   | 94.738  | ug/l   | 100      |
| 52) Toluene                   | 10.630 | 92   | 64698    | 19.308  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 34894    | 18.368  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 38225    | 18.971  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 26131    | 19.667  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 37628    | 18.566  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 44646    | 20.178  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 72550    | 92.596  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.200 | 43   | 128745   | 94.389  | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.359 | 129  | 27000    | 19.261  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 26405    | 19.392  | ug/l   | 98       |
| 64) Tetrachloroethene         | 11.106 | 164  | 22221    | 22.025  | ug/l   | 92       |
| 65) Chlorobenzene             | 11.894 | 112  | 67457    | 19.204  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 25077    | 19.245  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.965 | 91   | 122278   | 19.349  | ug/l   | 97       |
| 68) m/p-Xylenes               | 12.071 | 106  | 97602    | 38.490  | ug/l   | 100      |
| 69) o-Xylene                  | 12.400 | 106  | 48141    | 19.197  | ug/l   | 97       |
| 70) Styrene                   | 12.412 | 104  | 75783    | 18.952  | ug/l   | 99       |
| 71) Bromoform                 | 12.576 | 173  | 17841    | 18.287  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.694 | 105  | 120817   | 19.999  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.494 | 43   | 42233    | 18.902  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 40824    | 21.228  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 49736    | 31.129  | ug/l   | 74       |
| 77) Bromobenzene              | 12.982 | 156  | 26425    | 19.866  | ug/l   | 97       |
| 78) n-propylbenzene           | 13.035 | 91   | 138156   | 20.369  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 85425    | 20.611  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 102755   | 20.251  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 10758    | 17.284  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 13.123 | 91   | 85425    | 20.611  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 89831    | 19.924  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 103678   | 20.195  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.618 | 105  | 128878   | 20.433  | ug/l   | 96       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 104114   | 19.987  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 52592    | 20.193  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 51662    | 20.043  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.059 | 91   | 83961    | 20.016  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.329 | 117  | 18178    | 19.033  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 53292    | 20.582  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 7800     | 19.141  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 22659    | 20.337  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 11359    | 20.913  | ug/l   | 97       |
| 95) Naphthalene               | 15.641 | 128  | 81801    | 19.091  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 22490    | 20.315  | ug/l   | 99       |

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Sample : VN1104WBS01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

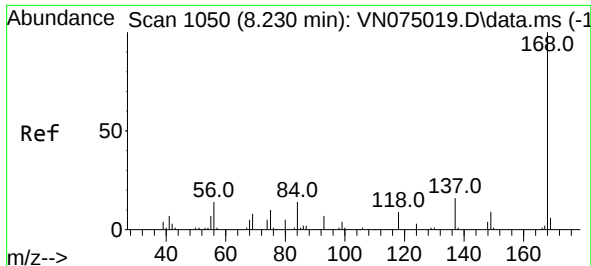
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBS01

Quant Time: Nov 05 06:56:05 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102622W.M  
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QLast Update : Thu Oct 27 09:48:49 2022  
Response via : Initial Calibration

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

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

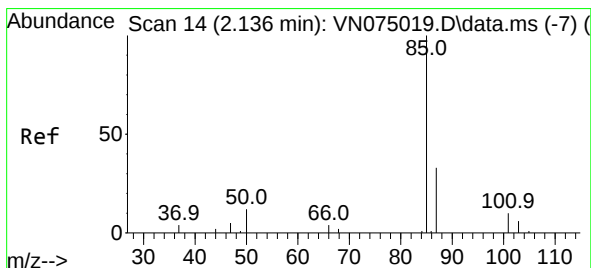
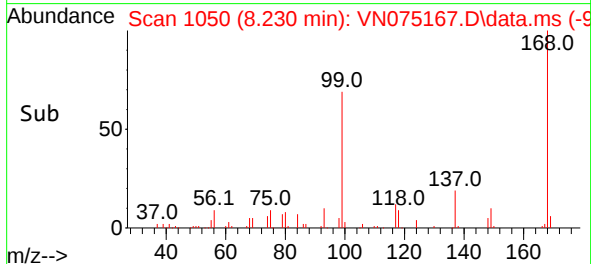
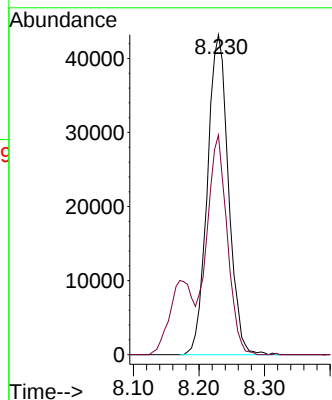
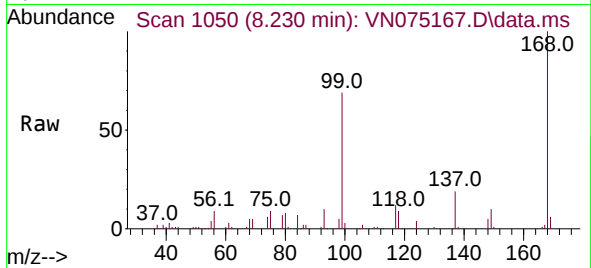




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

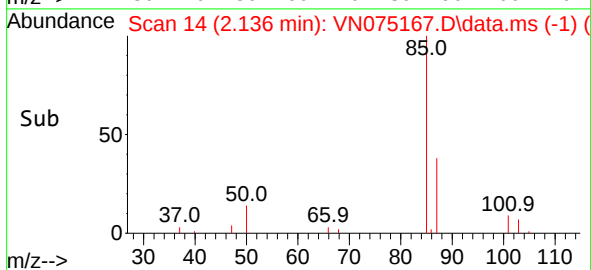
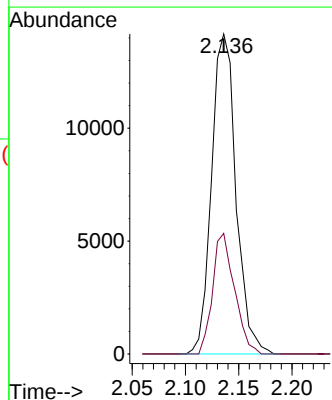
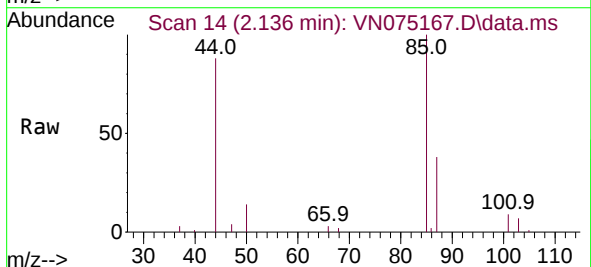
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MSVOA\_N  
ClientSampleId :  
VN1104WBS01

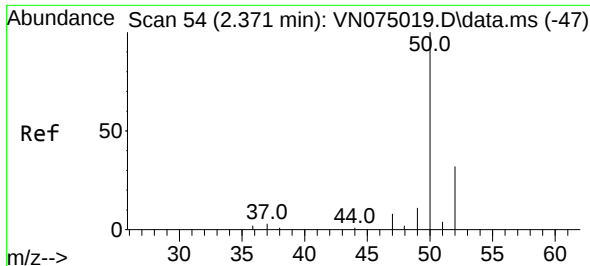
Tgt Ion:168 Resp: 96458  
Ion Ratio Lower Upper  
168 100  
99 68.7 51.6 77.4



#2  
Dichlorodifluoromethane  
Concen: 18.006 ug/l  
RT: 2.136 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

Tgt Ion: 85 Resp: 22594  
Ion Ratio Lower Upper  
85 100  
87 37.7 16.7 50.0

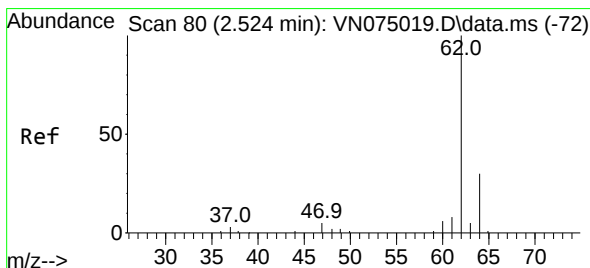
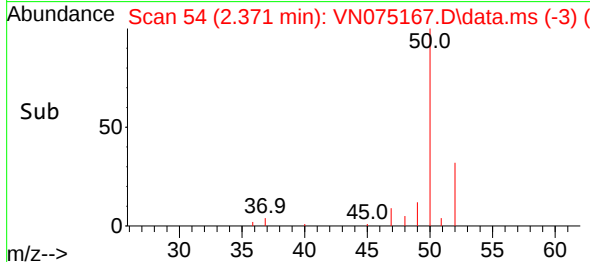
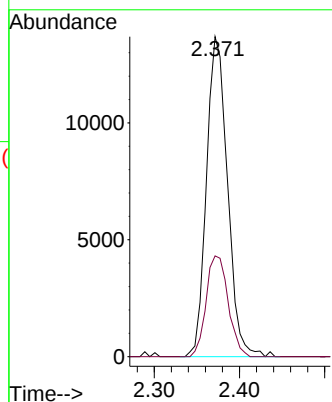
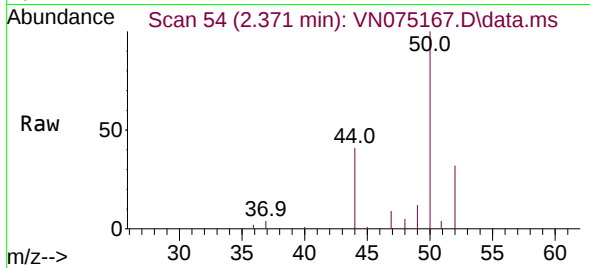




#3  
Chloromethane  
Concen: 17.600 ug/l  
RT: 2.371 min Scan# 54  
Delta R.T. 0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

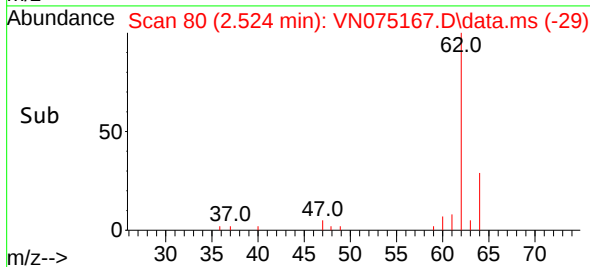
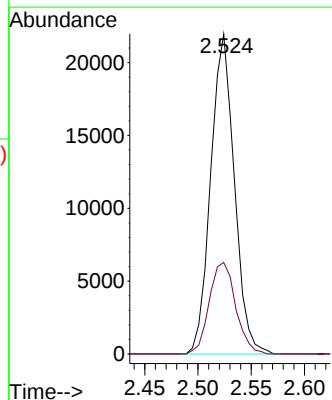
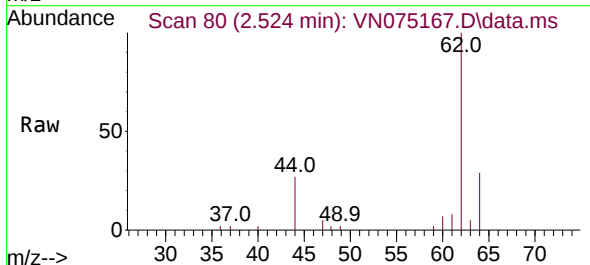
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VN1104WBS01

Tgt Ion: 50 Resp: 23458  
Ion Ratio Lower Upper  
50 100  
52 31.5 25.8 38.6



#4  
Vinyl Chloride  
Concen: 17.813 ug/l  
RT: 2.524 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

Tgt Ion: 62 Resp: 33869  
Ion Ratio Lower Upper  
62 100  
64 28.6 24.0 36.0

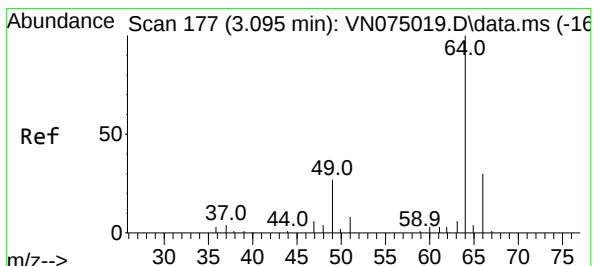
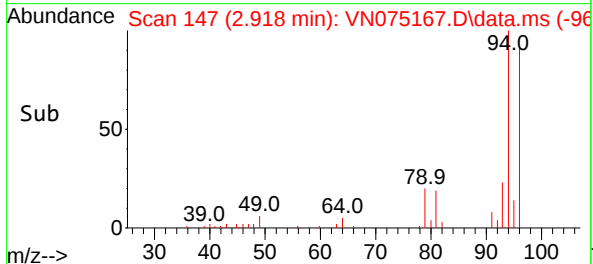
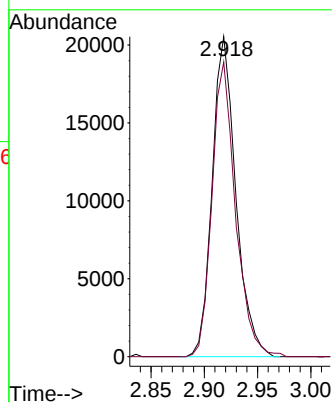
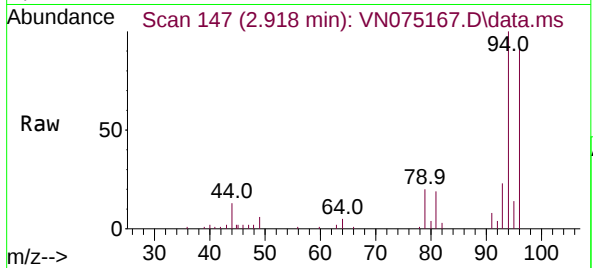




#5  
Bromomethane  
Concen: 20.397 ug/l  
RT: 2.918 min Scan# 147  
Delta R.T. 0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

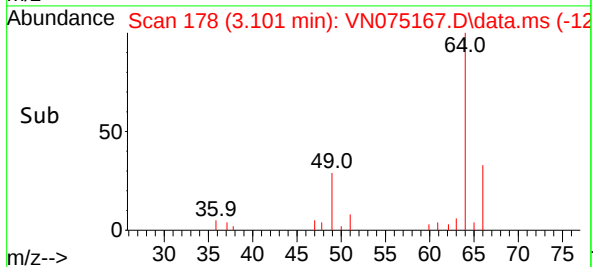
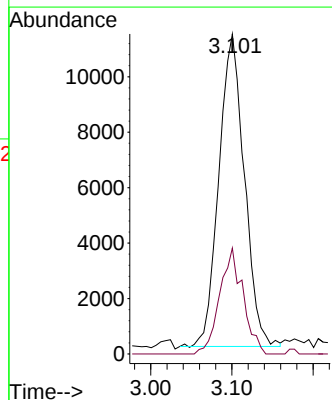
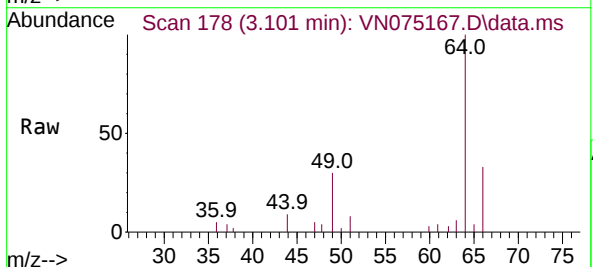
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBS01

Tgt Ion: 94 Resp: 31679  
Ion Ratio Lower Upper  
94 100  
96 92.1 71.8 107.6



#6  
Chloroethane  
Concen: 18.033 ug/l  
RT: 3.101 min Scan# 178  
Delta R.T. 0.006 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

Tgt Ion: 64 Resp: 24587  
Ion Ratio Lower Upper  
64 100  
66 33.9 23.8 35.8

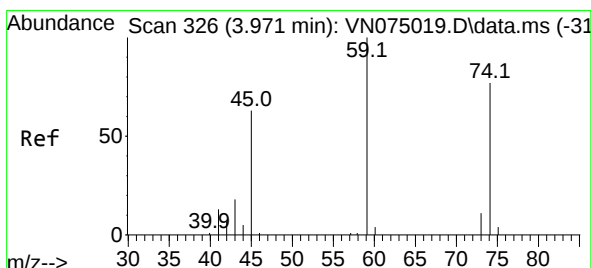
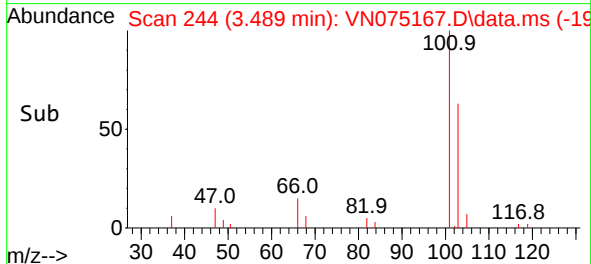
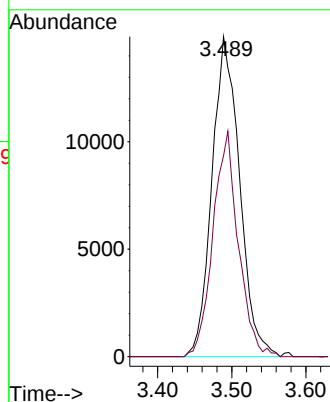
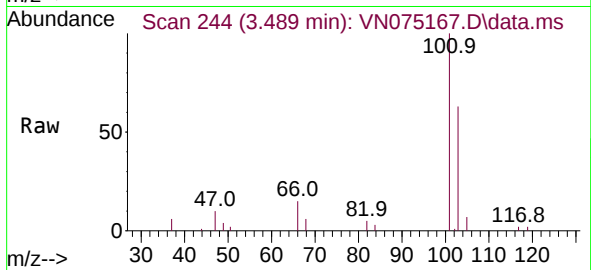




#7  
 Trichlorofluoromethane  
 Concen: 19.862 ug/l  
 RT: 3.489 min Scan# 244  
 Delta R.T. -0.000 min  
 Lab File: VN075167.D  
 Acq: 04 Nov 2022 11:53

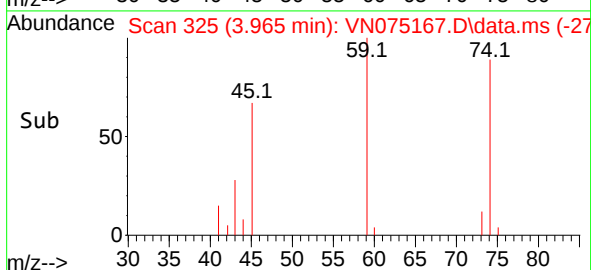
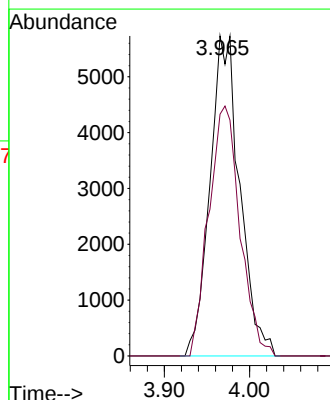
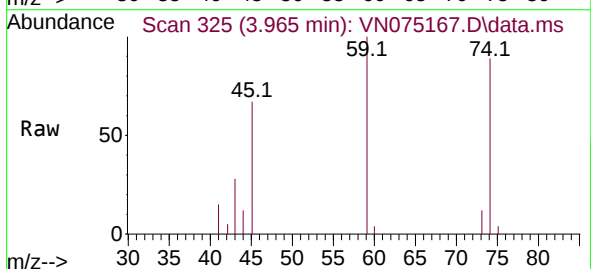
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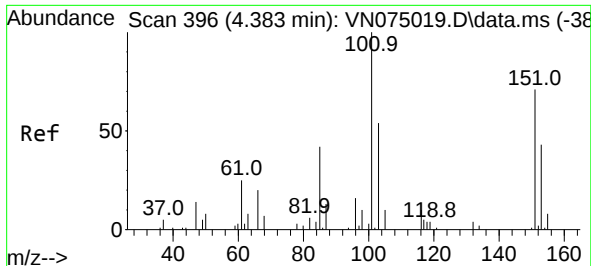
Tgt Ion:101 Resp: 38579  
 Ion Ratio Lower Upper  
 101 100  
 103 62.8 50.5 75.7



#8  
 Diethyl Ether  
 Concen: 19.758 ug/l  
 RT: 3.965 min Scan# 325  
 Delta R.T. -0.006 min  
 Lab File: VN075167.D  
 Acq: 04 Nov 2022 11:53

Tgt Ion: 74 Resp: 13998  
 Ion Ratio Lower Upper  
 74 100  
 45 81.4 39.3 117.9

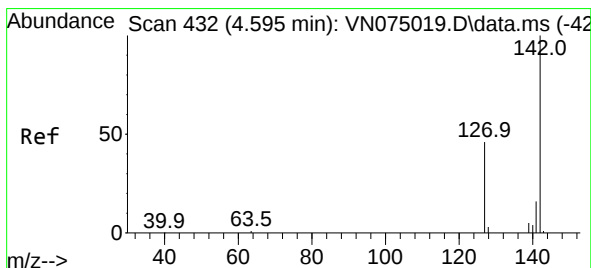
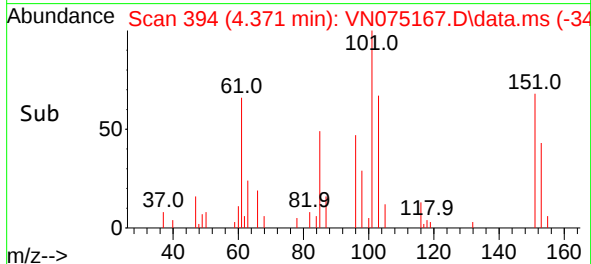
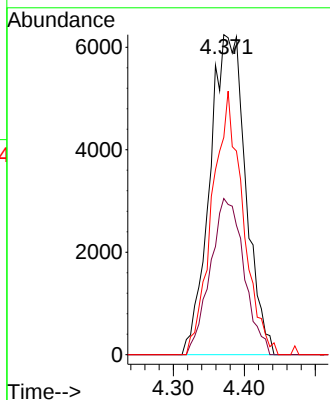
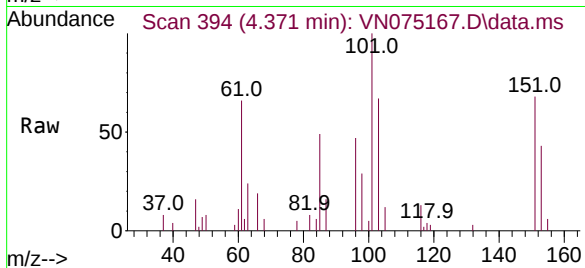




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.481 ug/l  
RT: 4.371 min Scan# 394  
Delta R.T. -0.012 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

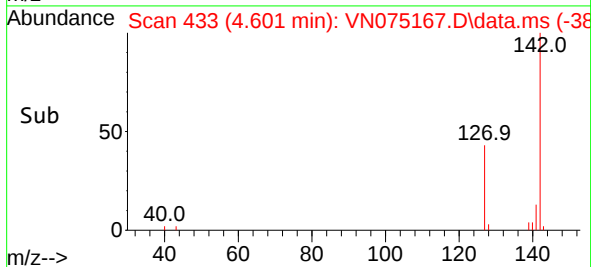
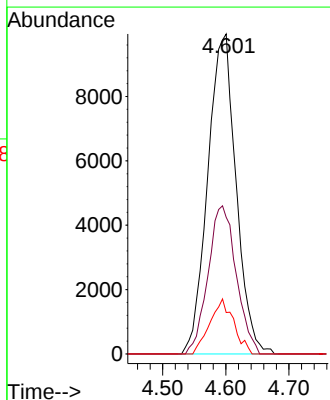
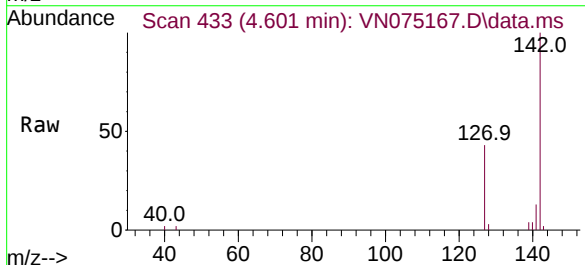
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBS01

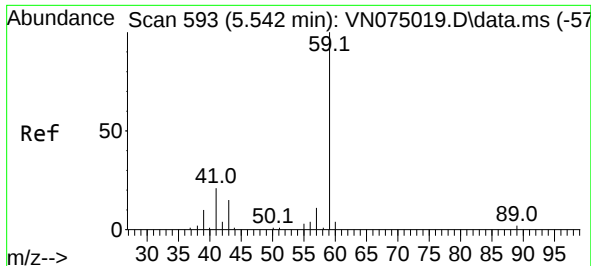
Tgt Ion:101 Resp: 21970  
Ion Ratio Lower Upper  
101 100  
85 45.7 37.6 56.4  
151 70.4 58.3 87.5



#10  
Methyl Iodide  
Concen: 19.398 ug/l  
RT: 4.601 min Scan# 433  
Delta R.T. 0.006 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

Tgt Ion:142 Resp: 30978  
Ion Ratio Lower Upper  
142 100  
127 46.0 38.0 57.0  
141 14.5 12.2 18.4

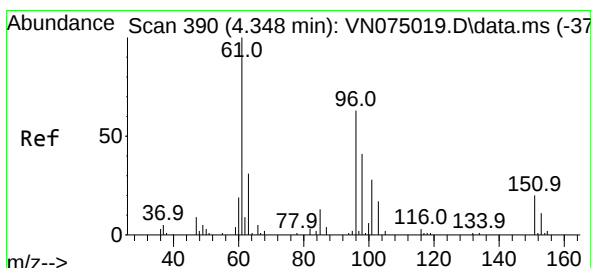
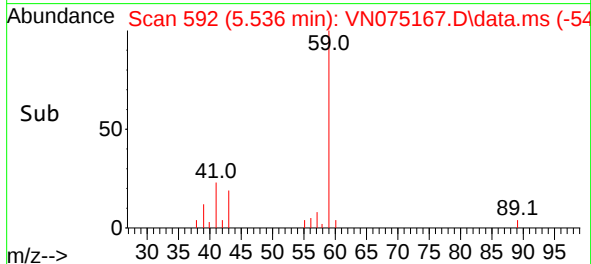
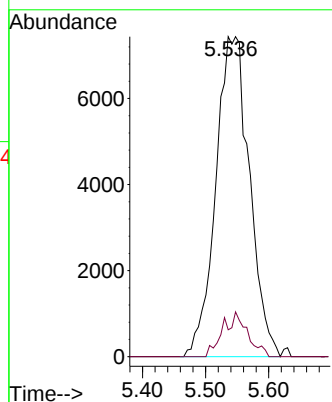
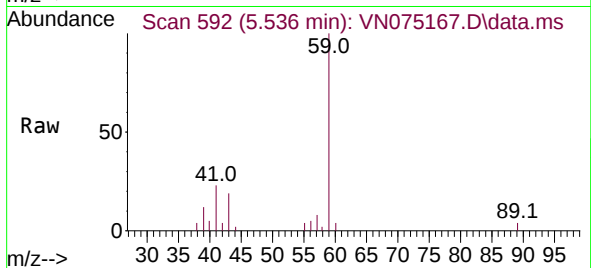




#11  
Tert butyl alcohol  
Concen: 91.209 ug/l  
RT: 5.536 min Scan# 593  
Delta R.T. -0.006 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

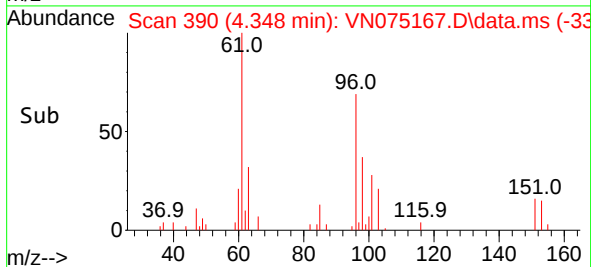
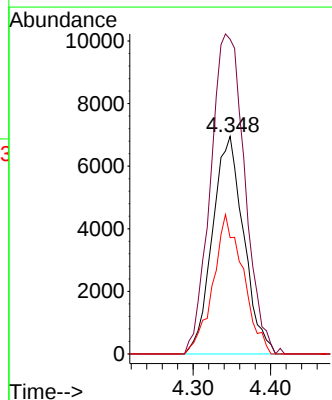
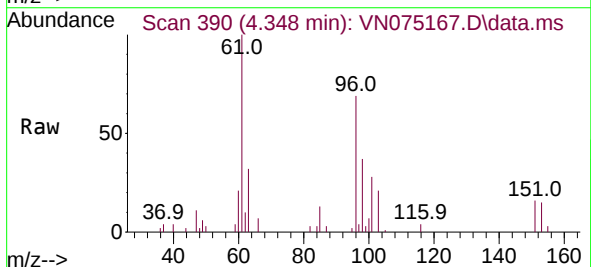
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBS01

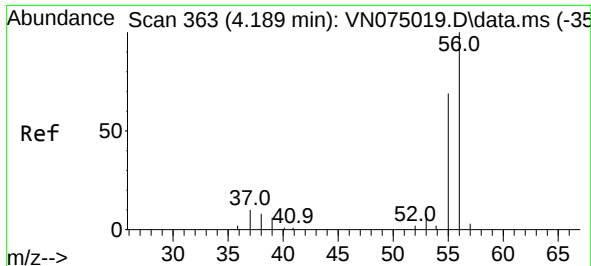
Tgt Ion: 59 Resp: 27644  
Ion Ratio Lower Upper  
59 100  
57 10.2 8.5 12.7



#12  
1,1-Dichloroethene  
Concen: 19.047 ug/l  
RT: 4.348 min Scan# 390  
Delta R.T. -0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

Tgt Ion: 96 Resp: 19475  
Ion Ratio Lower Upper  
96 100  
61 144.6 126.2 189.4  
98 53.5 51.5 77.3

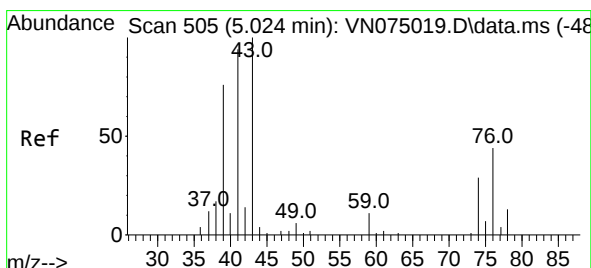
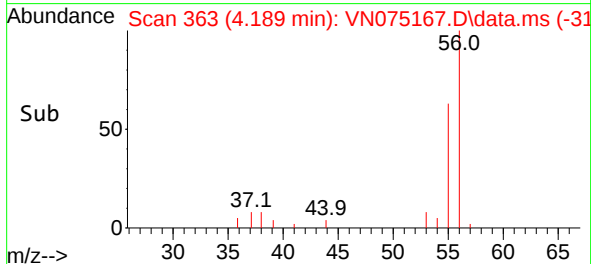
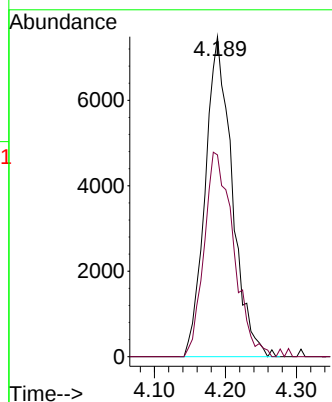
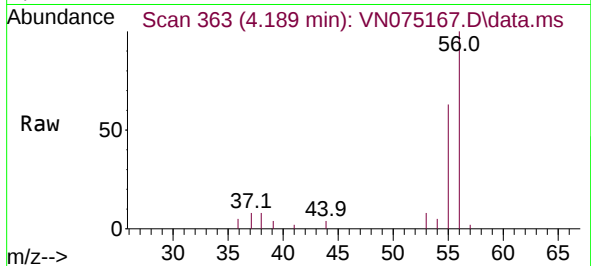




#13  
Acrolein  
Concen: 79.566 ug/l  
RT: 4.189 min Scan# 301  
Delta R.T. -0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

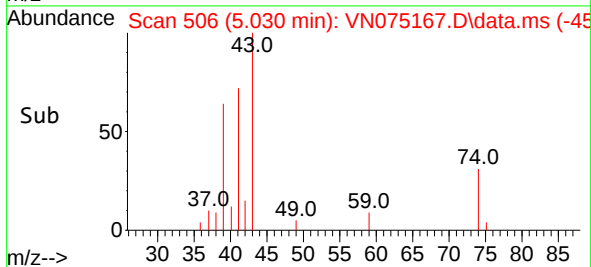
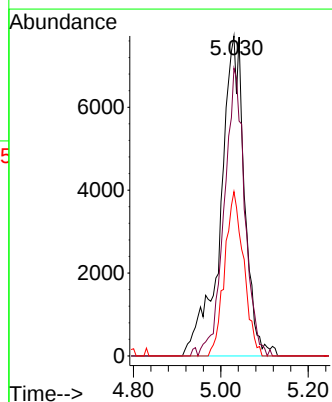
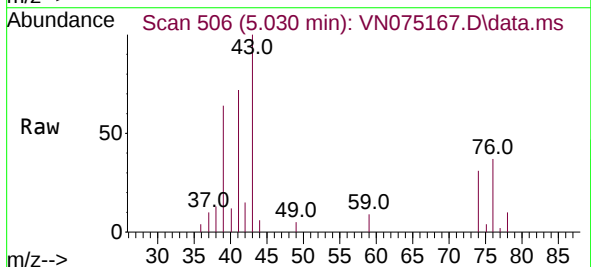
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBS01

Tgt Ion: 56 Resp: 19725  
Ion Ratio Lower Upper  
56 100  
55 69.5 55.2 82.8



#14  
Allyl chloride  
Concen: 19.808 ug/l  
RT: 5.030 min Scan# 506  
Delta R.T. 0.006 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

Tgt Ion: 41 Resp: 29580  
Ion Ratio Lower Upper  
41 100  
39 76.3 61.0 91.4  
76 40.4 33.4 50.0

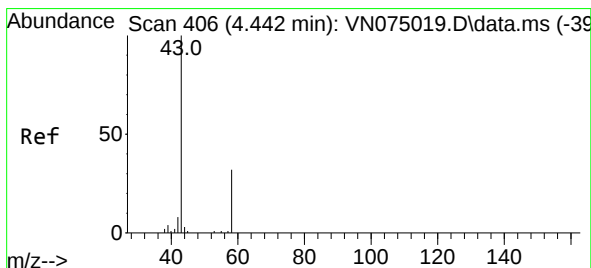
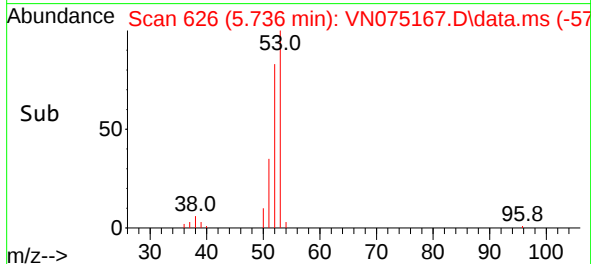
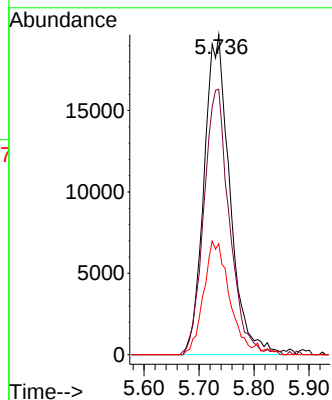
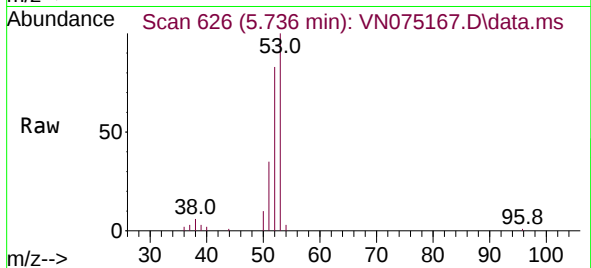




#15  
Acrylonitrile  
Concen: 100.234 ug/l  
RT: 5.736 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

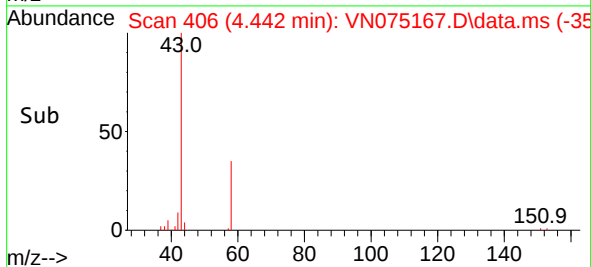
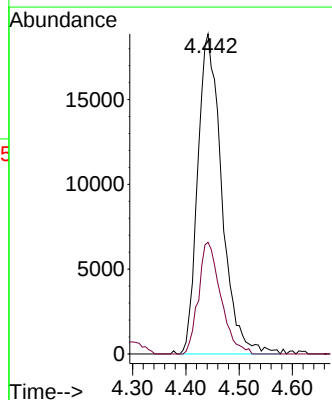
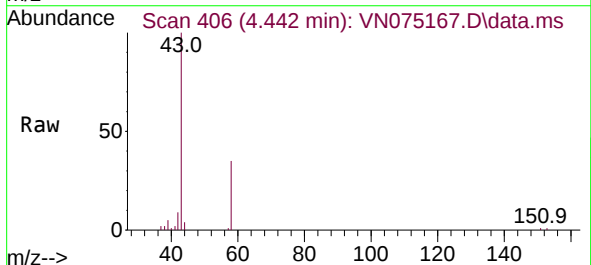
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBS01

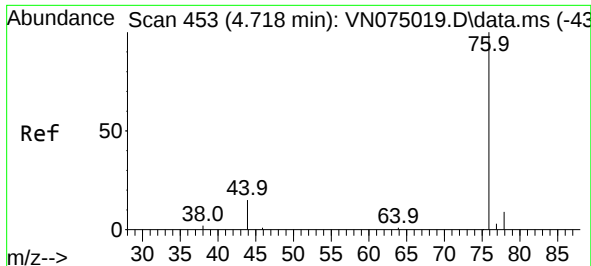
|             |             |
|-------------|-------------|
| Tgt Ion: 53 | Resp: 64174 |
| Ion Ratio   | Lower Upper |
| 53 100      |             |
| 52 81.9     | 66.4 99.6   |
| 51 35.1     | 29.6 44.4   |



#16  
Acetone  
Concen: 107.594 ug/l  
RT: 4.442 min Scan# 406  
Delta R.T. -0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 59210 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 34.9     | 25.5 38.3   |

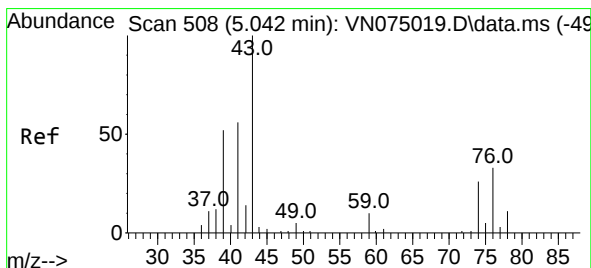
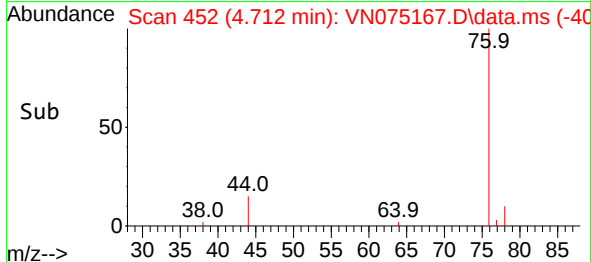
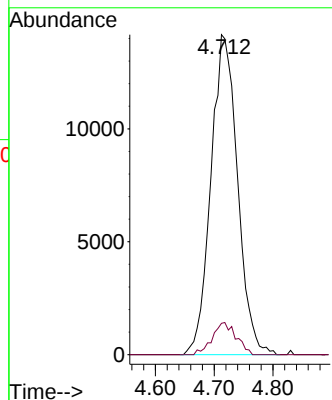
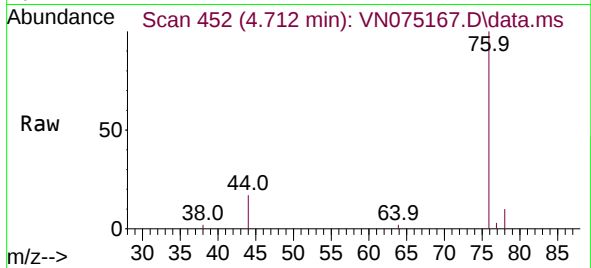




#17  
Carbon Disulfide  
Concen: 17.372 ug/l  
RT: 4.712 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

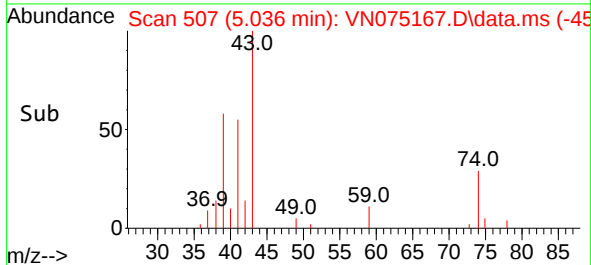
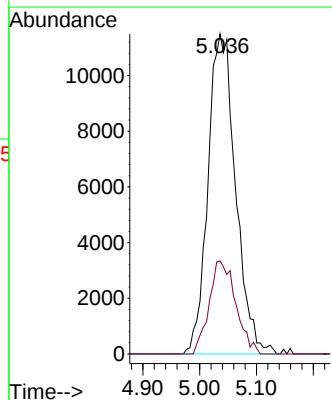
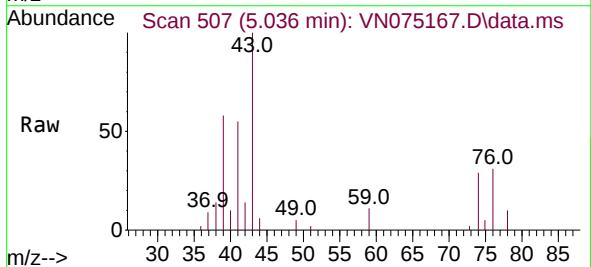
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBS01

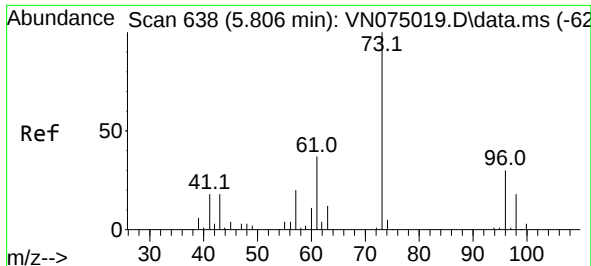
Tgt Ion: 76 Resp: 44669  
Ion Ratio Lower Upper  
76 100  
78 9.8 7.4 11.2



#18  
Methyl Acetate  
Concen: 21.584 ug/l  
RT: 5.036 min Scan# 507  
Delta R.T. -0.006 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

Tgt Ion: 43 Resp: 38798  
Ion Ratio Lower Upper  
43 100  
74 28.0 22.0 33.0

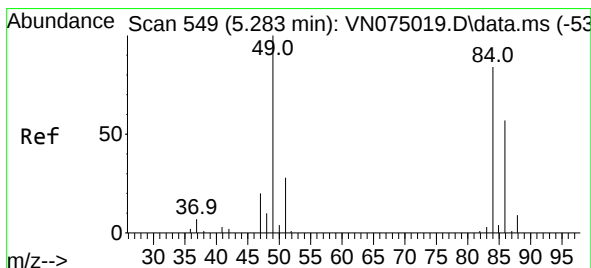
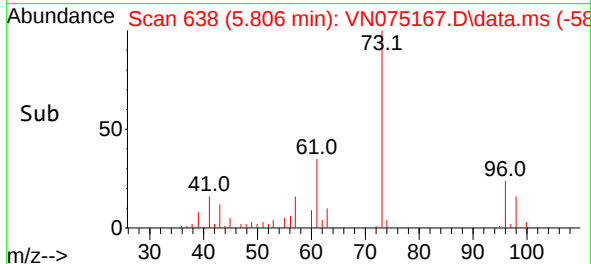
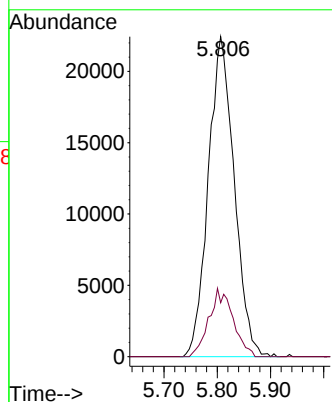
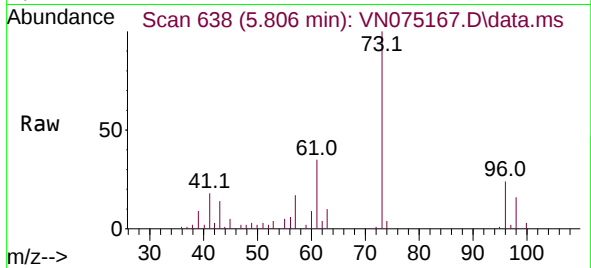




#19  
Methyl tert-butyl Ether  
Concen: 19.969 ug/l  
RT: 5.806 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

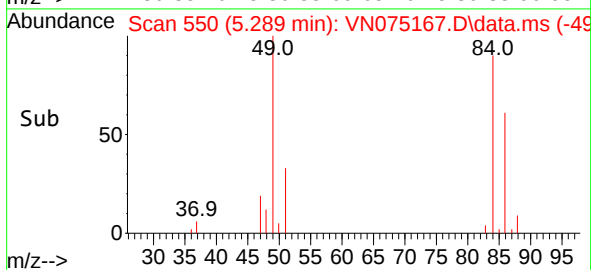
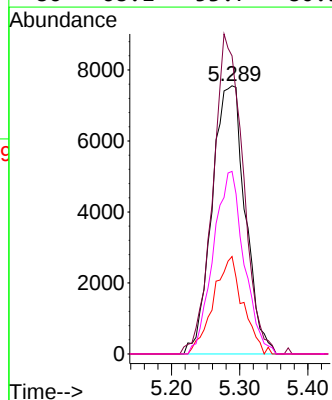
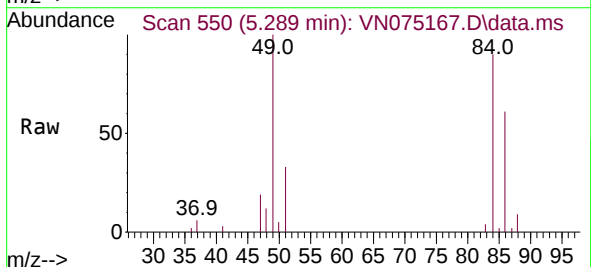
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MSVOA\_N  
ClientSampleId :  
VN1104WBS01

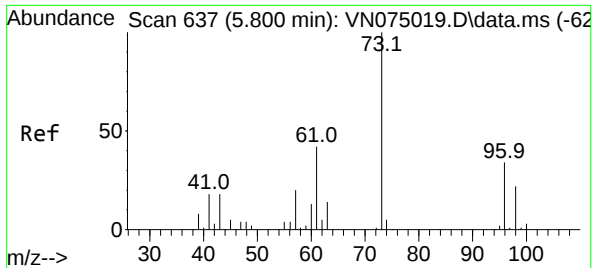
Tgt Ion: 73 Resp: 75887  
Ion Ratio Lower Upper  
73 100  
57 16.9 16.3 24.5



#20  
Methylene Chloride  
Concen: 20.835 ug/l  
RT: 5.289 min Scan# 550  
Delta R.T. 0.006 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

Tgt Ion: 84 Resp: 25564  
Ion Ratio Lower Upper  
84 100  
49 111.1 94.9 142.3  
51 36.3 26.8 40.2  
86 68.1 53.7 80.5

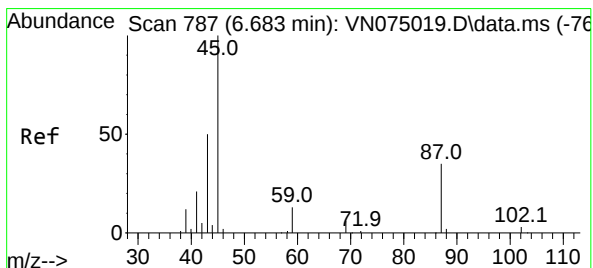
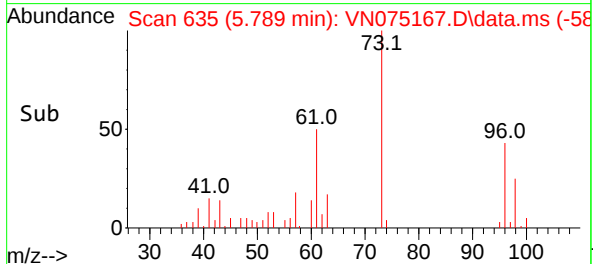
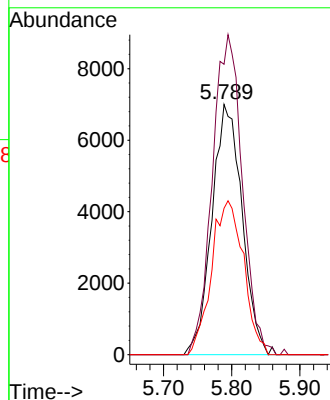
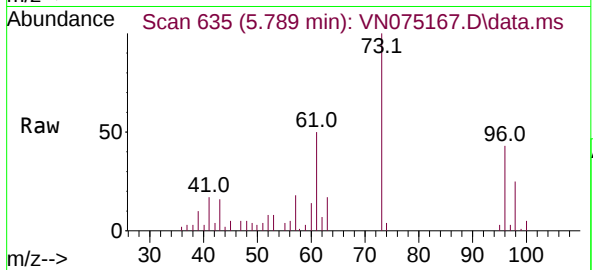




#21  
trans-1,2-Dichloroethene  
Concen: 19.244 ug/l  
RT: 5.789 min Scan# 61  
Delta R.T. -0.011 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

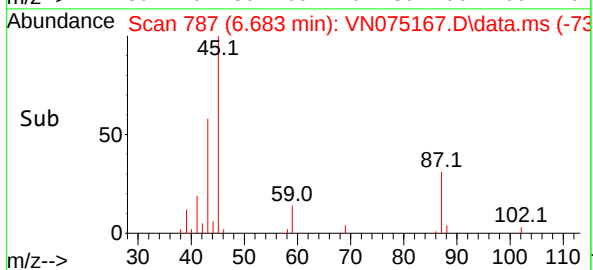
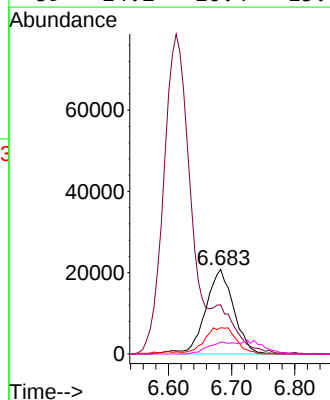
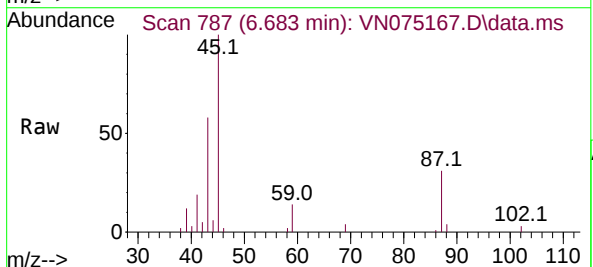
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBS01

Tgt Ion: 96 Resp: 21544  
Ion Ratio Lower Upper  
96 100  
61 116.0 99.9 149.9  
98 58.5 51.5 77.3



#22  
Diisopropyl ether  
Concen: 19.139 ug/l  
RT: 6.683 min Scan# 787  
Delta R.T. -0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

Tgt Ion: 45 Resp: 63075  
Ion Ratio Lower Upper  
45 100  
43 56.8 42.8 64.2  
87 31.2 28.4 42.6  
59 14.2 10.4 15.6

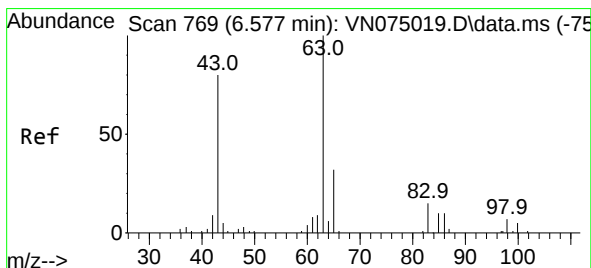
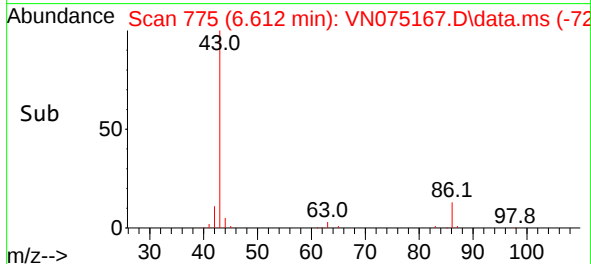
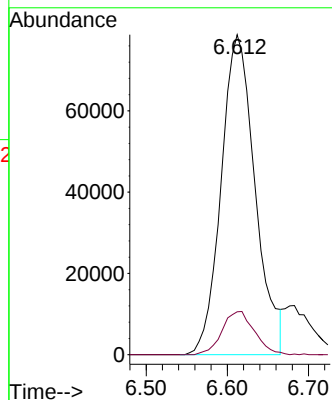
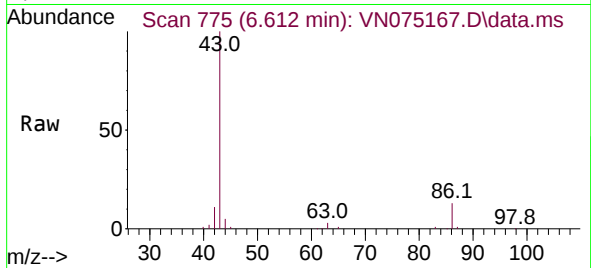




#23  
 Vinyl Acetate  
 Concen: 83.283 ug/l  
 RT: 6.612 min Scan# 775  
 Delta R.T. 0.000 min  
 Lab File: VN075167.D  
 Acq: 04 Nov 2022 11:53

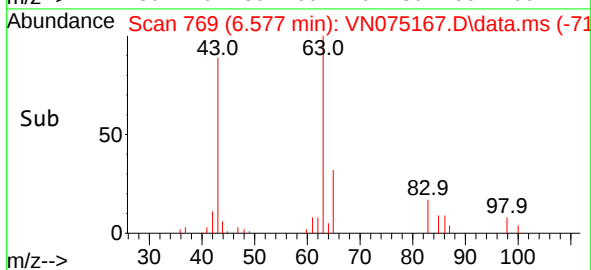
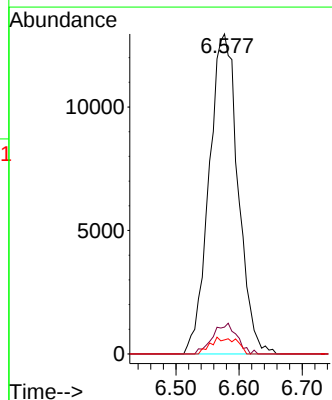
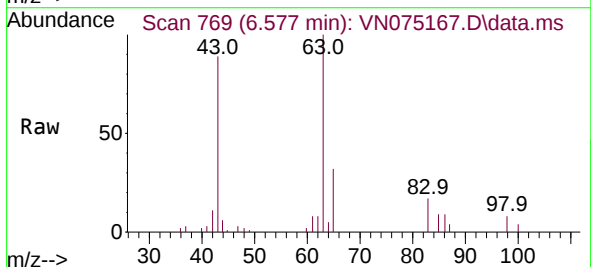
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 ClientSampleId :  
 VN1104WBS01

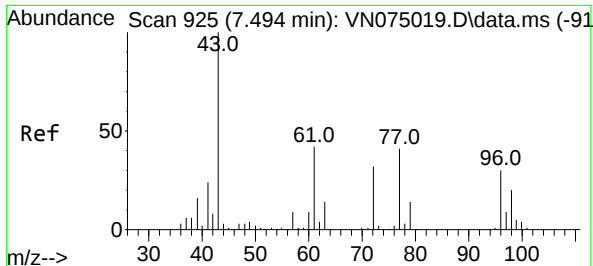
Tgt Ion: 43 Resp: 229190  
 Ion Ratio Lower Upper  
 43 100  
 86 13.4 10.7 16.1



#24  
 1,1-Dichloroethane  
 Concen: 19.824 ug/l  
 RT: 6.577 min Scan# 769  
 Delta R.T. -0.000 min  
 Lab File: VN075167.D  
 Acq: 04 Nov 2022 11:53

Tgt Ion: 63 Resp: 41318  
 Ion Ratio Lower Upper  
 63 100  
 98 8.4 3.6 10.8  
 100 4.4 2.4 7.2





#25

2-Butanone

Concen: 99.212 ug/l

RT: 7.489 min Scan# 91

Delta R.T. -0.005 min

Lab File: VN075167.D

Acq: 04 Nov 2022 11:53

Instrument :

MSVOA\_N

ClientSampleId :

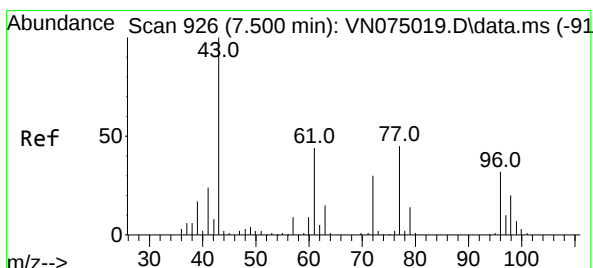
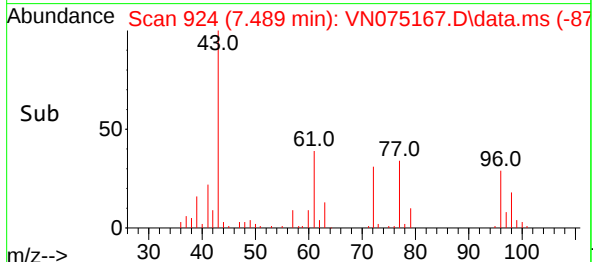
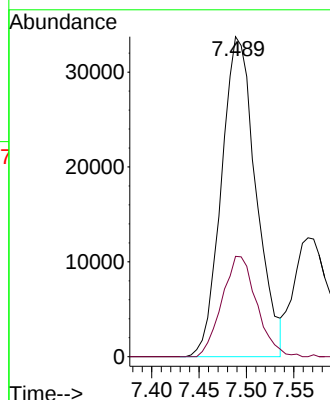
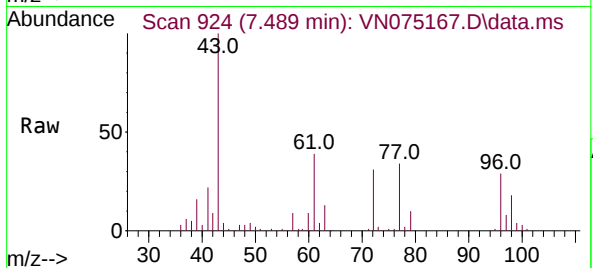
VN1104WBS01

Tgt Ion: 43 Resp: 85876

Ion Ratio Lower Upper

43 100

72 31.3 25.5 38.3



#26

2,2-Dichloropropane

Concen: 19.223 ug/l

RT: 7.494 min Scan# 925

Delta R.T. -0.006 min

Lab File: VN075167.D

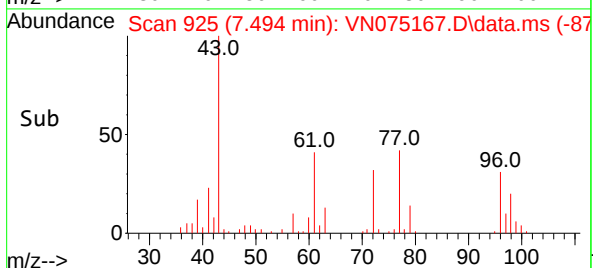
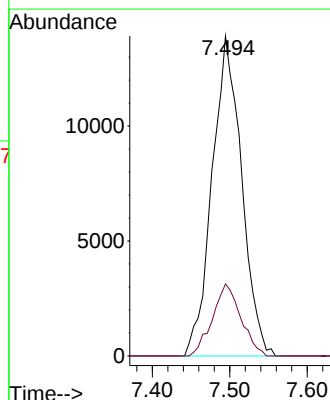
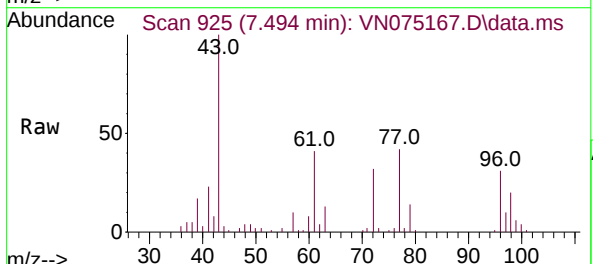
Acq: 04 Nov 2022 11:53

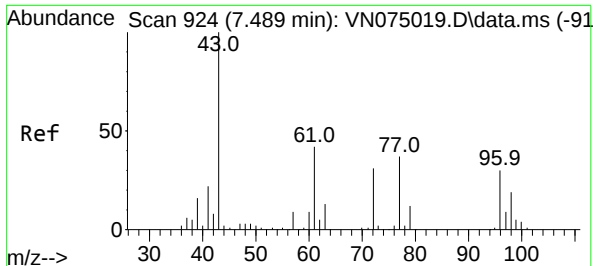
Tgt Ion: 77 Resp: 36858

Ion Ratio Lower Upper

77 100

97 21.7 11.2 33.6

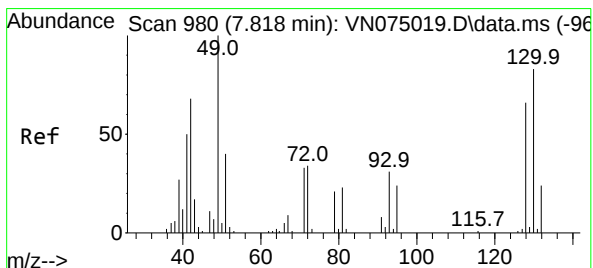
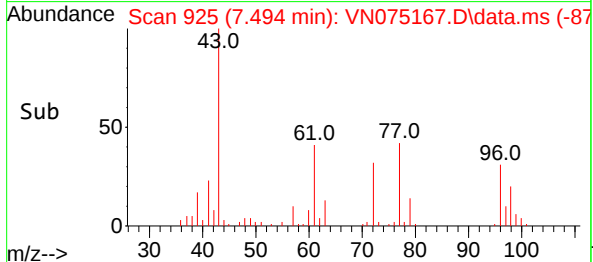
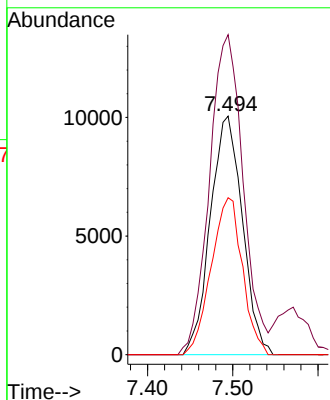
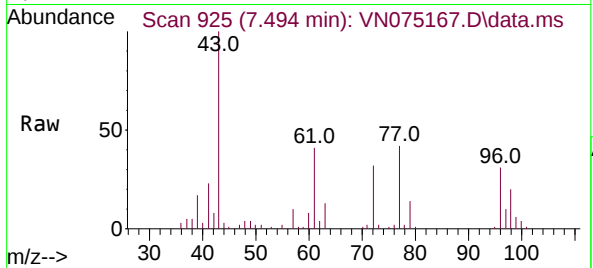




#27  
 cis-1,2-Dichloroethene  
 Concen: 19.703 ug/l  
 RT: 7.494 min Scan# 91  
 Delta R.T. 0.005 min  
 Lab File: VN075167.D  
 Acq: 04 Nov 2022 11:53

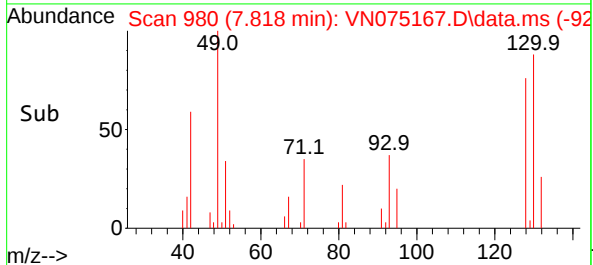
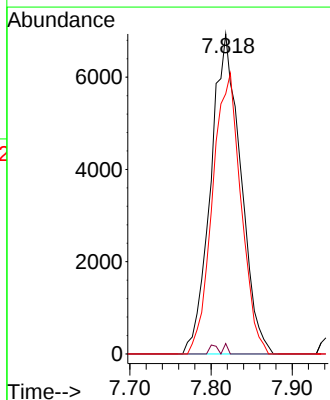
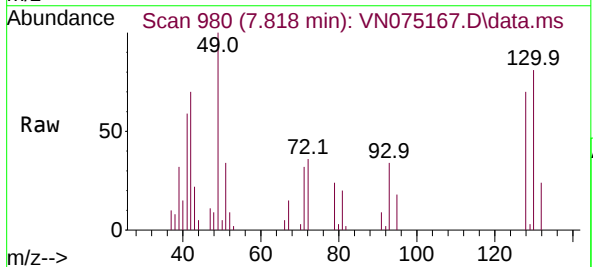
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1104WBS01

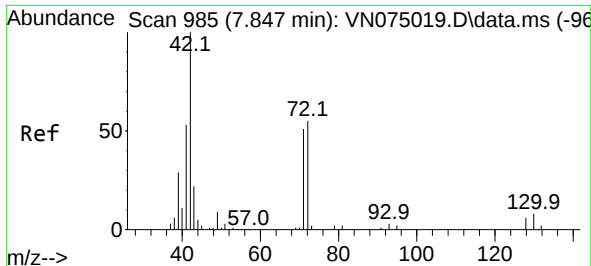
Tgt Ion: 96 Resp: 26342  
 Ion Ratio Lower Upper  
 96 100  
 61 141.0 0.0 278.8  
 98 64.0 0.0 128.4



#28  
 Bromochloromethane  
 Concen: 20.308 ug/l  
 RT: 7.818 min Scan# 980  
 Delta R.T. -0.000 min  
 Lab File: VN075167.D  
 Acq: 04 Nov 2022 11:53

Tgt Ion: 49 Resp: 17843  
 Ion Ratio Lower Upper  
 49 100  
 129 0.0 0.0 4.6  
 130 83.1 66.2 99.4





#29

Tetrahydrofuran

Concen: 96.630 ug/l

RT: 7.847 min Scan# 985

Delta R.T. 0.000 min

Lab File: VN075167.D

Acq: 04 Nov 2022 11:53

Instrument :

MSVOA\_N

ClientSampleId :

VN1104WBS01

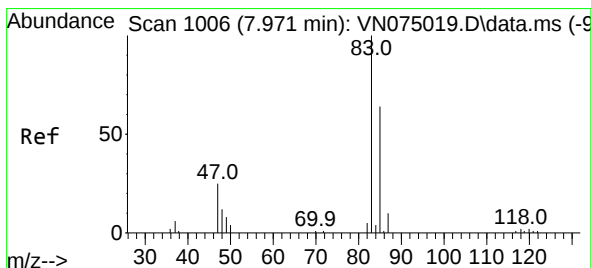
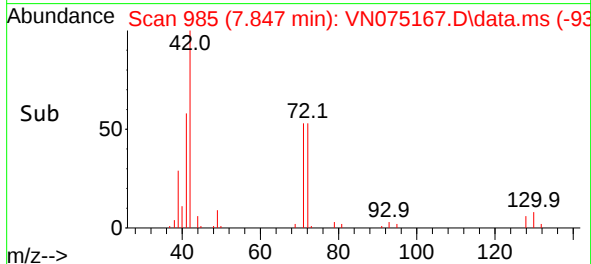
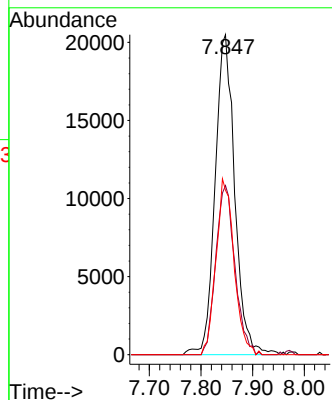
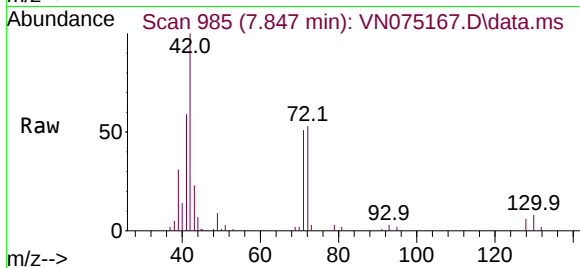
Tgt Ion: 42 Resp: 54048

Ion Ratio Lower Upper

42 100

72 51.6 43.0 64.6

71 50.6 39.9 59.9



#30

Chloroform

Concen: 19.719 ug/l

RT: 7.971 min Scan# 1006

Delta R.T. -0.000 min

Lab File: VN075167.D

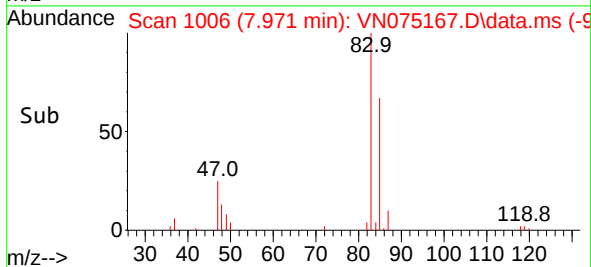
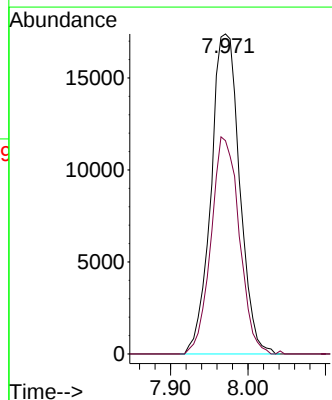
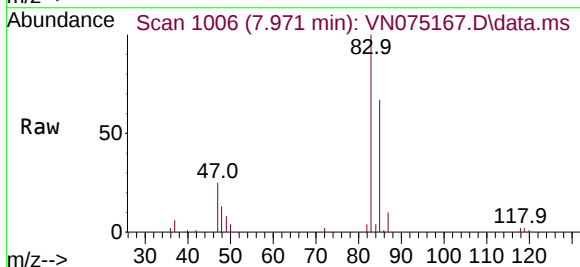
Acq: 04 Nov 2022 11:53

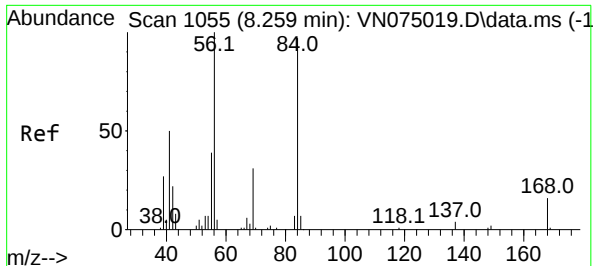
Tgt Ion: 83 Resp: 44623

Ion Ratio Lower Upper

83 100

85 66.7 51.4 77.0

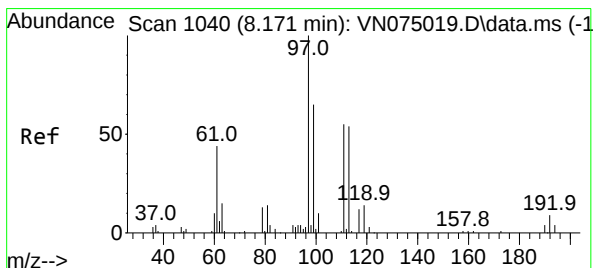
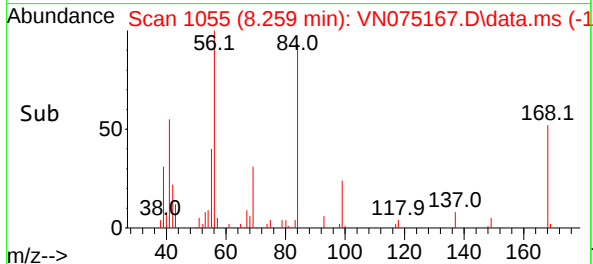
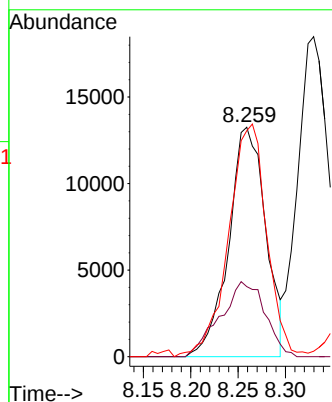
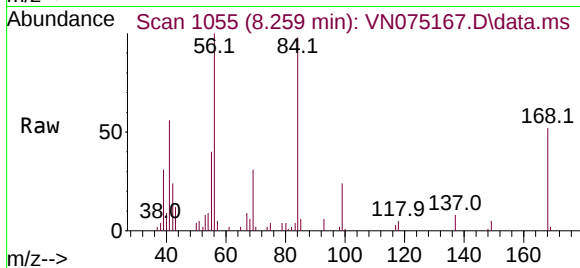




#31  
Cyclohexane  
Concen: 18.659 ug/l  
RT: 8.259 min Scan# 1055  
Delta R.T. 0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

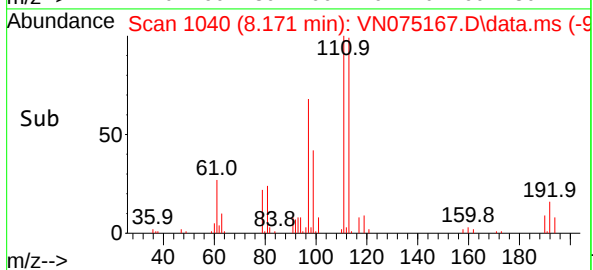
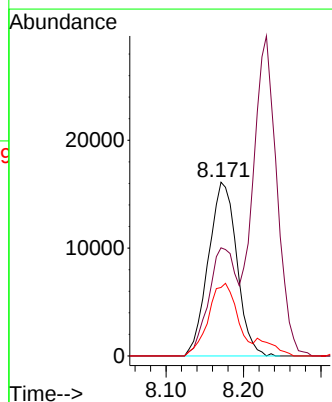
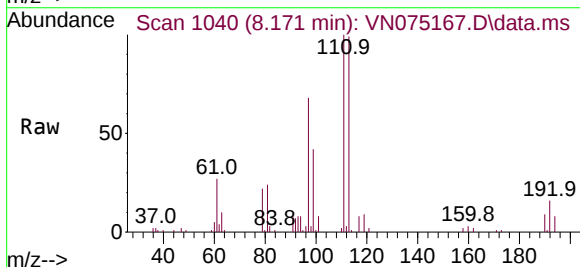
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBS01

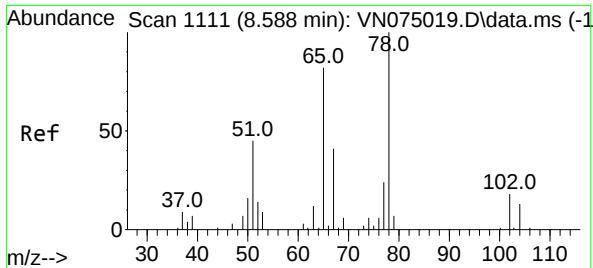
Tgt Ion: 56 Resp: 36068  
Ion Ratio Lower Upper  
56 100  
69 30.6 25.2 37.8  
84 97.2 77.8 116.8



#32  
1,1,1-Trichloroethane  
Concen: 19.966 ug/l  
RT: 8.171 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

Tgt Ion: 97 Resp: 41030  
Ion Ratio Lower Upper  
97 100  
99 60.6 50.2 75.2  
61 42.9 37.0 55.6





#33

1,2-Dichloroethane-d4

Concen: 53.326 ug/l

RT: 8.583 min Scan# 1111

Delta R.T. -0.005 min

Lab File: VN075167.D

Acq: 04 Nov 2022 11:53

Instrument :

MSVOA\_N

ClientSampleId :

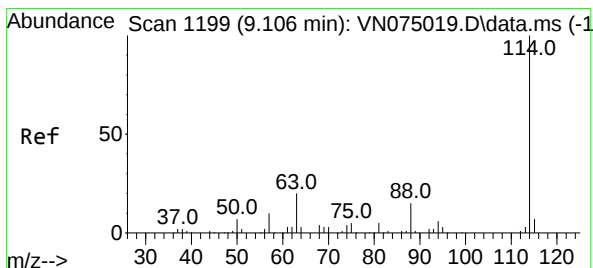
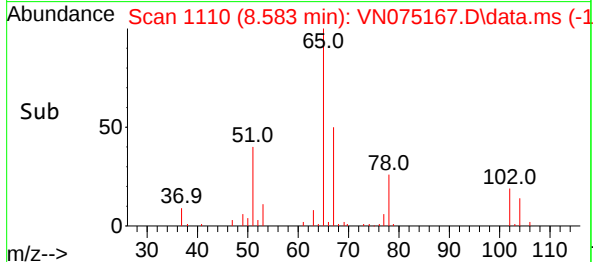
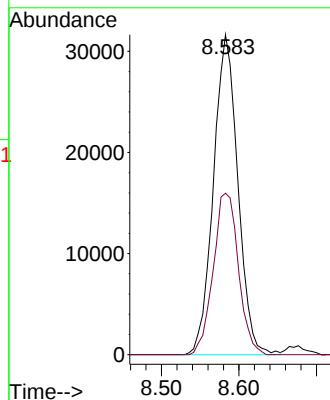
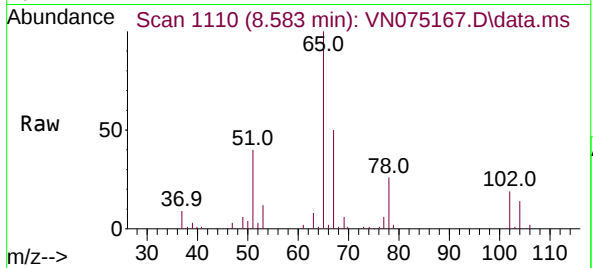
VN1104WBS01

Tgt Ion: 65 Resp: 69306

Ion Ratio Lower Upper

65 100

67 52.1 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075167.D

Acq: 04 Nov 2022 11:53

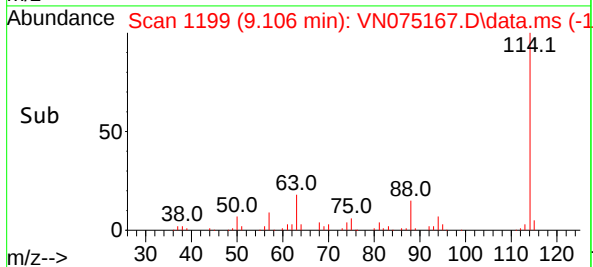
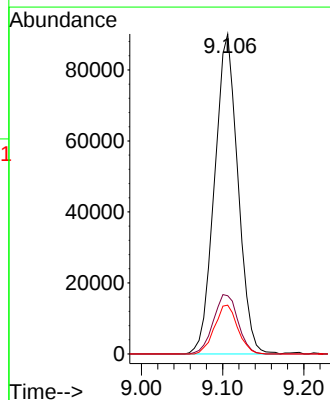
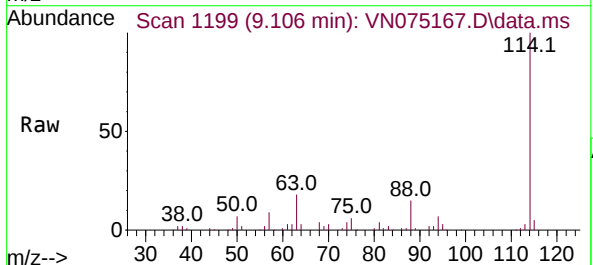
Tgt Ion: 114 Resp: 180134

Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.6

88 15.2 0.0 29.0

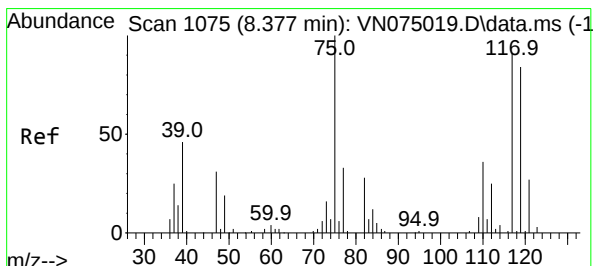
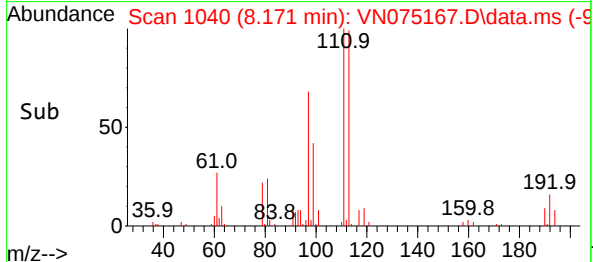
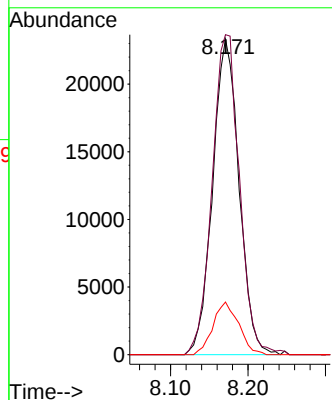
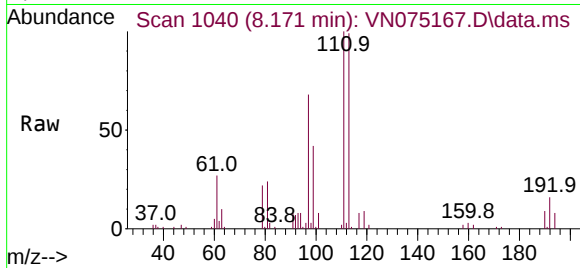




#35  
Dibromofluoromethane  
Concen: 52.289 ug/l  
RT: 8.171 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

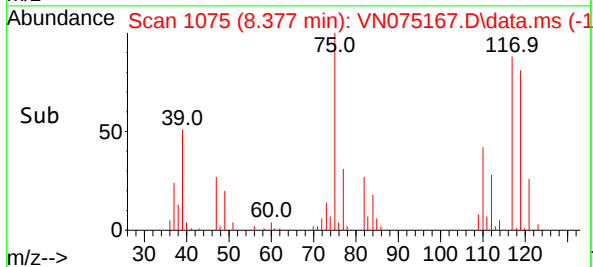
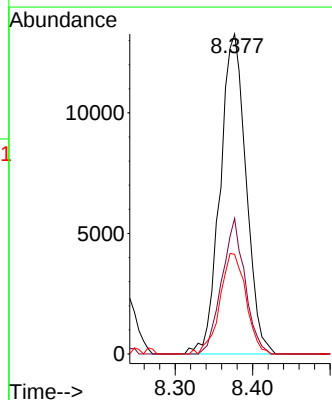
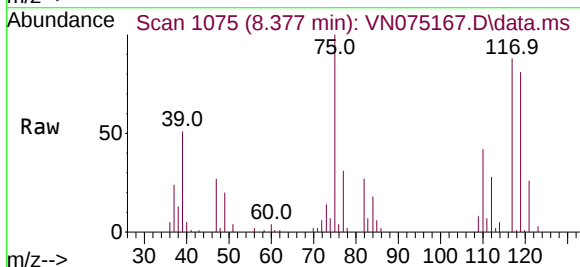
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBS01

Tgt Ion:113 Resp: 55294  
Ion Ratio Lower Upper  
113 100  
111 104.6 80.5 120.7  
192 16.2 13.2 19.8



#36  
1,1-Dichloropropene  
Concen: 18.874 ug/l  
RT: 8.377 min Scan# 1075  
Delta R.T. -0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

Tgt Ion: 75 Resp: 30900  
Ion Ratio Lower Upper  
75 100  
110 37.8 17.8 53.3  
77 31.5 24.6 37.0

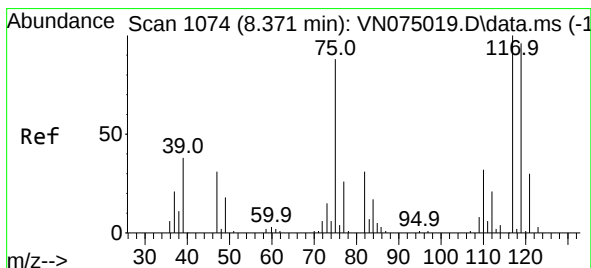
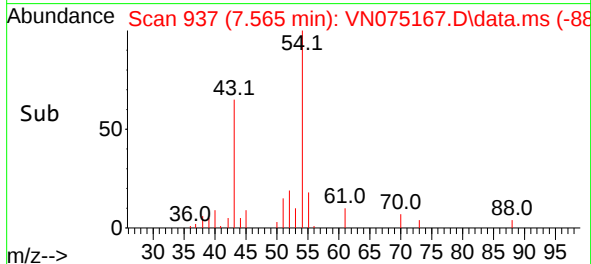
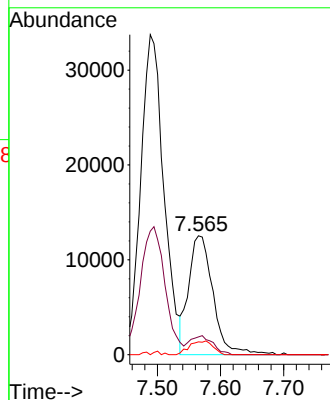
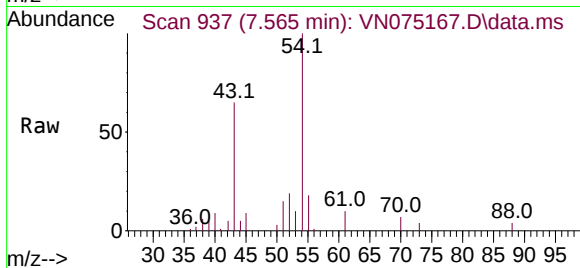




#37  
Ethyl Acetate  
Concen: 18.776 ug/l  
RT: 7.565 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

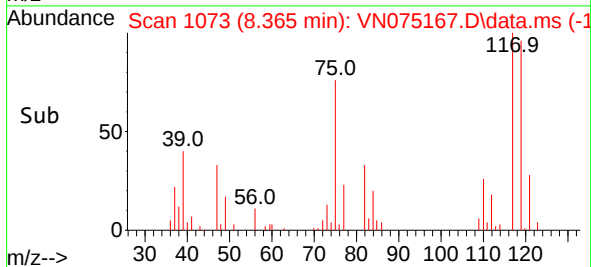
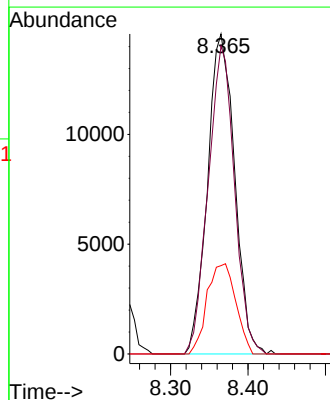
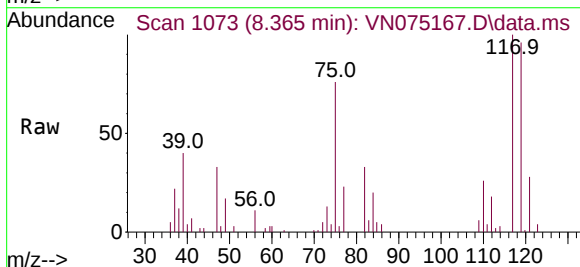
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBS01

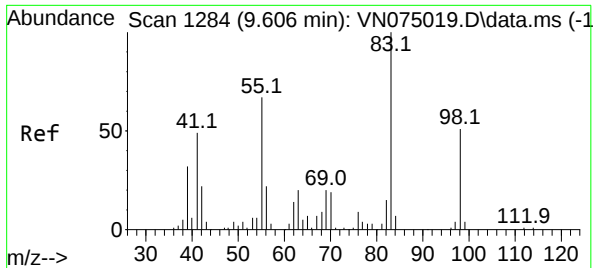
Tgt Ion: 43 Resp: 33711  
Ion Ratio Lower Upper  
43 100  
61 15.0 12.2 18.4  
70 11.0 9.4 14.2



#38  
Carbon Tetrachloride  
Concen: 19.719 ug/l  
RT: 8.365 min Scan# 1073  
Delta R.T. -0.006 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

Tgt Ion: 117 Resp: 35512  
Ion Ratio Lower Upper  
117 100  
119 96.2 76.7 115.1  
121 27.6 23.9 35.9





#39

Methylcyclohexane

Concen: 18.213 ug/l

RT: 9.606 min Scan# 1114

Delta R.T. 0.000 min

Lab File: VN075167.D

Acq: 04 Nov 2022 11:53

Instrument :

MSVOA\_N

ClientSampleId :

VN1104WBS01

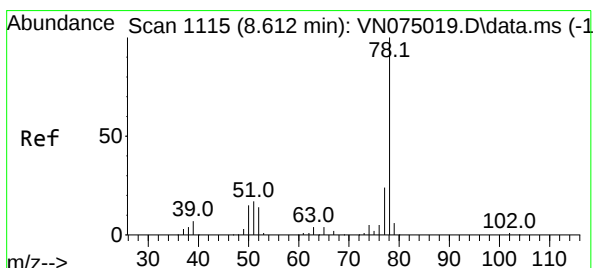
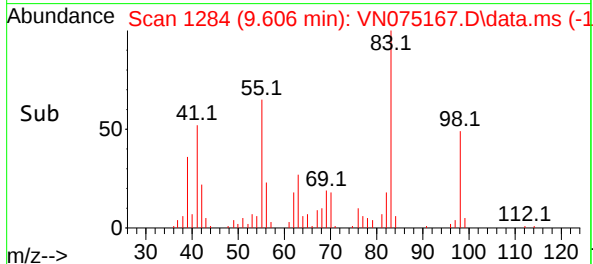
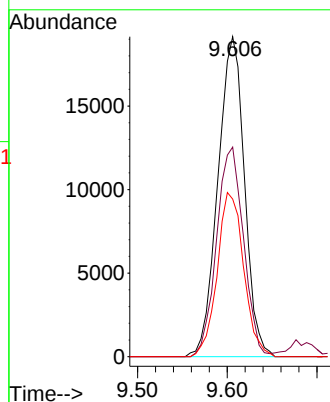
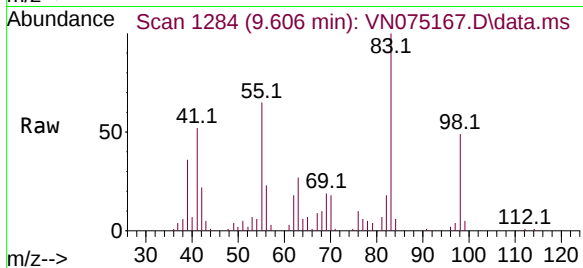
Tgt Ion: 83 Resp: 39364

Ion Ratio Lower Upper

83 100

55 65.5 53.6 80.4

98 49.2 41.1 61.7



#40

Benzene

Concen: 19.536 ug/l

RT: 8.606 min Scan# 1114

Delta R.T. -0.006 min

Lab File: VN075167.D

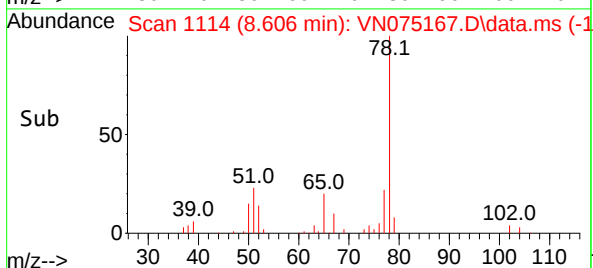
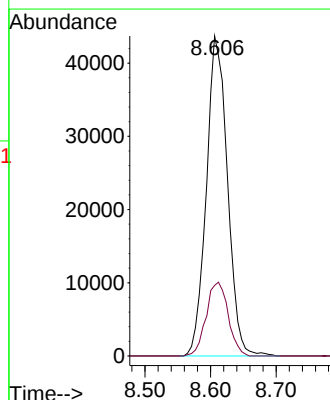
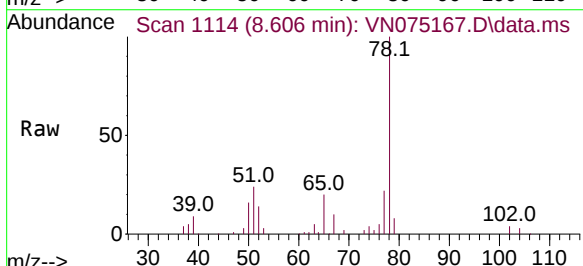
Acq: 04 Nov 2022 11:53

Tgt Ion: 78 Resp: 97930

Ion Ratio Lower Upper

78 100

77 22.1 19.4 29.0

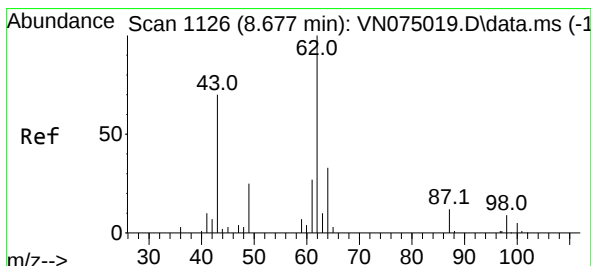
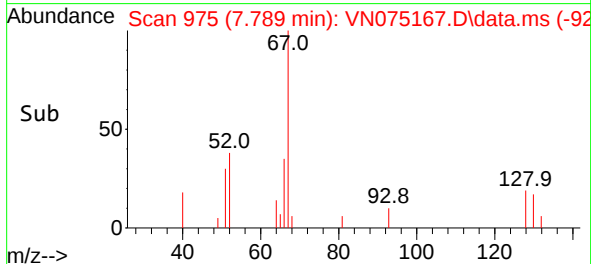
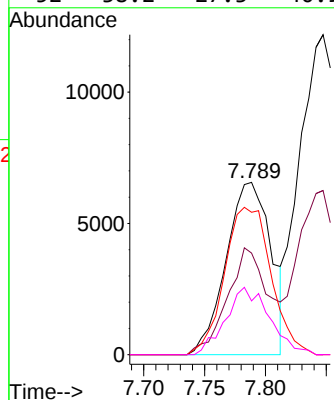
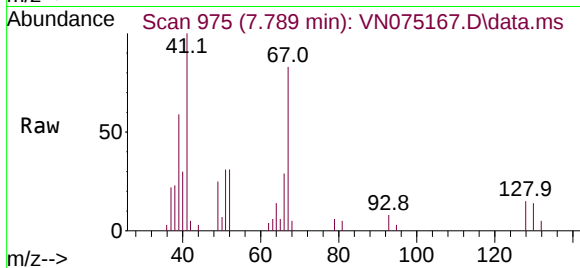




#41  
Methacrylonitrile  
Concen: 19.603 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.001 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

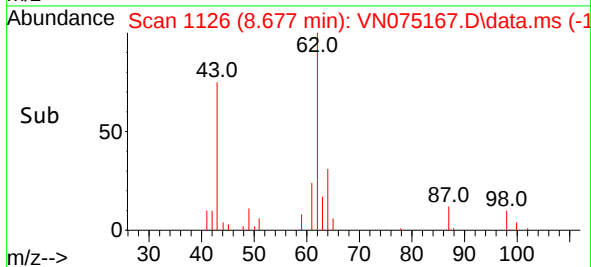
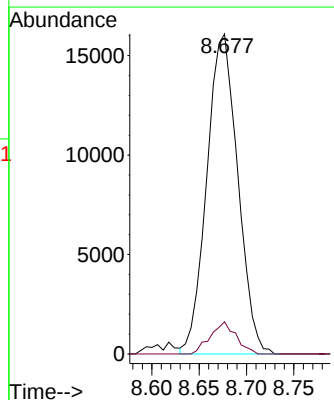
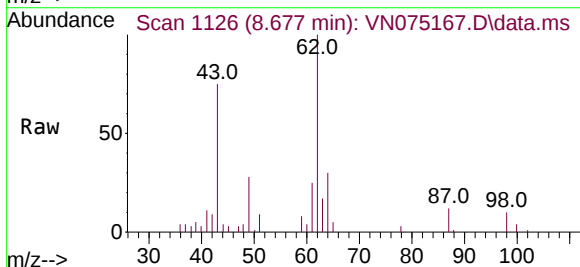
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBS01

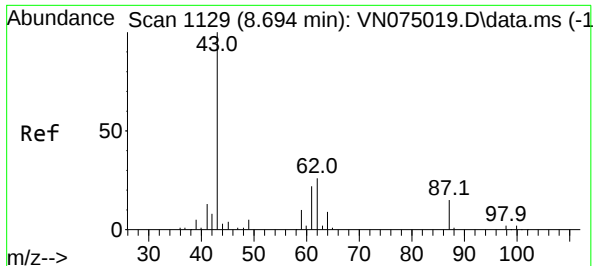
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 16862 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 56.5  | 44.4  | 66.6  |
| 67       | 88.7  | 69.8  | 104.6 |
| 52       | 38.2  | 27.3  | 40.9  |



#42  
1,2-Dichloroethane  
Concen: 20.069 ug/l  
RT: 8.677 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 36601 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 8.3   | 0.0   | 18.2  |





#43

Isopropyl Acetate

Concen: 18.640 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN075167.D

Acq: 04 Nov 2022 11:53

Instrument :

MSVOA\_N

ClientSampleId :

VN1104WBS01

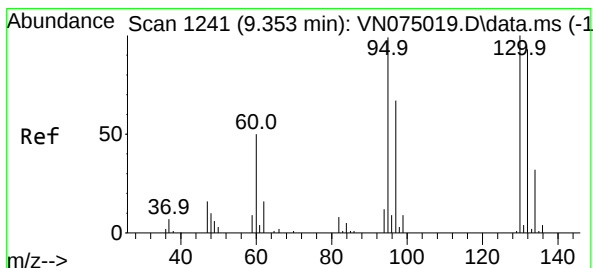
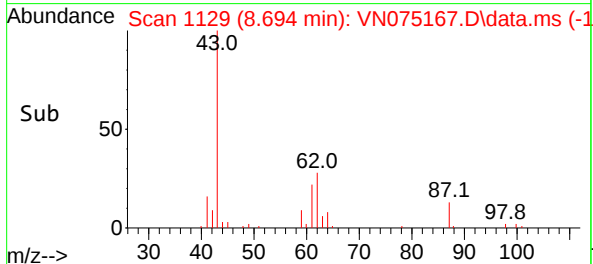
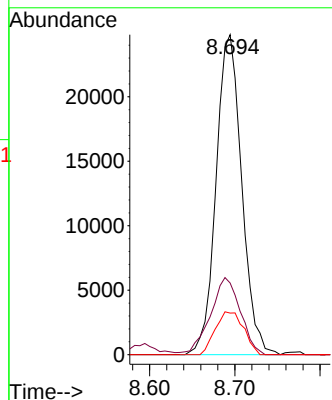
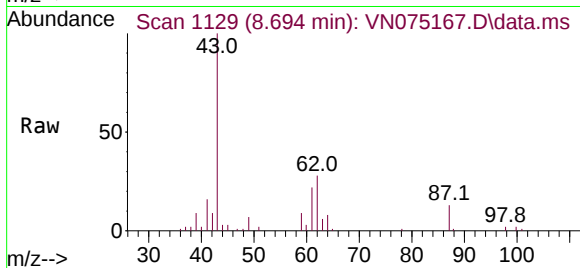
Tgt Ion: 43 Resp: 51913

Ion Ratio Lower Upper

43 100

61 28.2 22.4 33.6

87 14.8 12.5 18.7



#44

Trichloroethene

Concen: 19.454 ug/l

RT: 9.359 min Scan# 1242

Delta R.T. 0.006 min

Lab File: VN075167.D

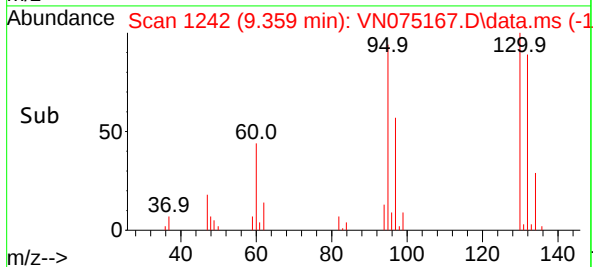
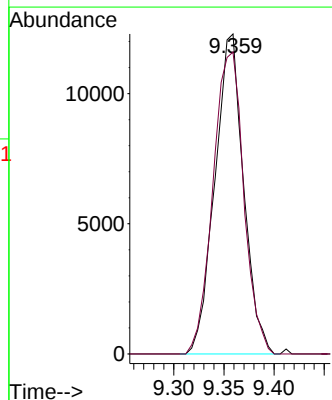
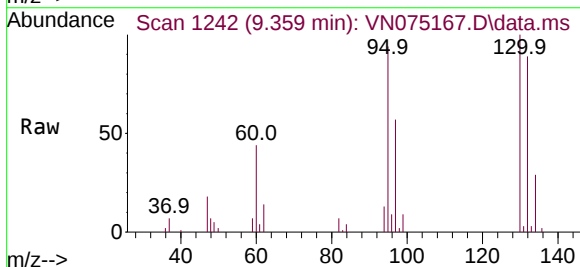
Acq: 04 Nov 2022 11:53

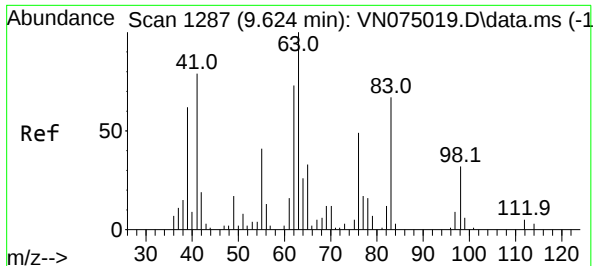
Tgt Ion:130 Resp: 24466

Ion Ratio Lower Upper

130 100

95 94.3 0.0 198.4





#45

1,2-Dichloropropane

Concen: 20.395 ug/l

RT: 9.624 min Scan# 1287

Delta R.T. -0.000 min

Lab File: VN075167.D

Acq: 04 Nov 2022 11:53

Instrument :

MSVOA\_N

ClientSampleId :

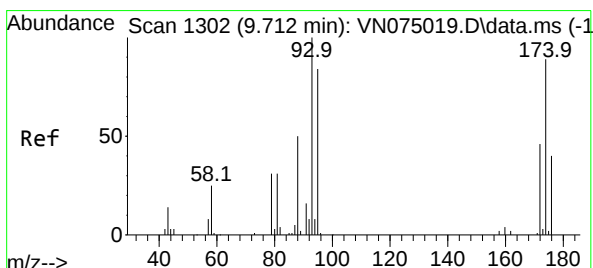
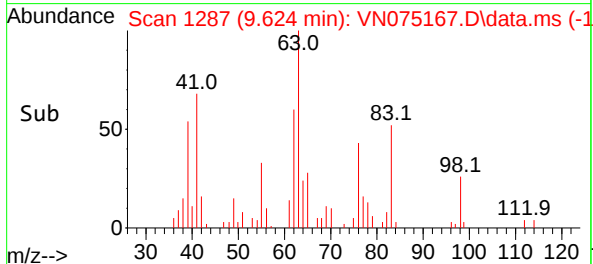
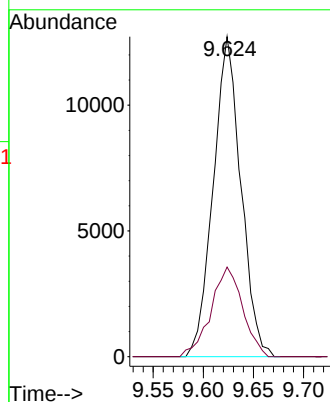
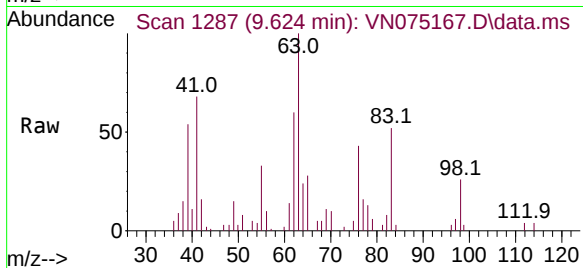
VN1104WBS01

Tgt Ion: 63 Resp: 24330

Ion Ratio Lower Upper

63 100

65 28.0 26.1 39.1



#46

Dibromomethane

Concen: 19.750 ug/l

RT: 9.712 min Scan# 1302

Delta R.T. -0.000 min

Lab File: VN075167.D

Acq: 04 Nov 2022 11:53

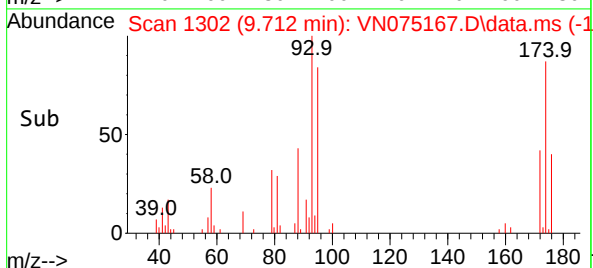
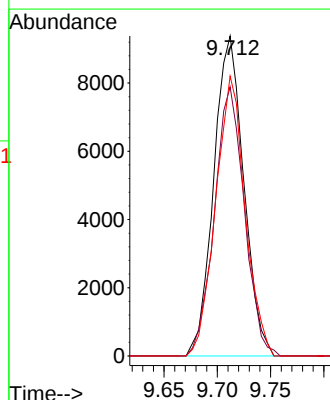
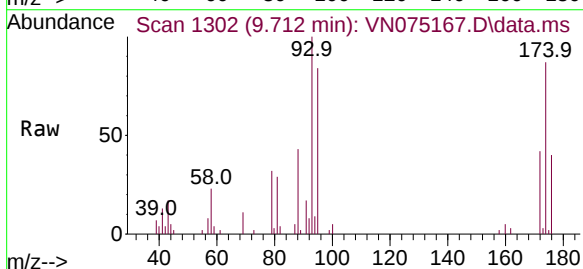
Tgt Ion: 93 Resp: 18356

Ion Ratio Lower Upper

93 100

95 83.6 66.6 99.8

174 85.7 70.3 105.5





#47

Bromodichloromethane

Concen: 19.498 ug/l

RT: 9.888 min Scan# 1333

Delta R.T. -0.006 min

Lab File: VN075167.D

Acq: 04 Nov 2022 11:53

Instrument :

MSVOA\_N

ClientSampleId :

VN1104WBS01

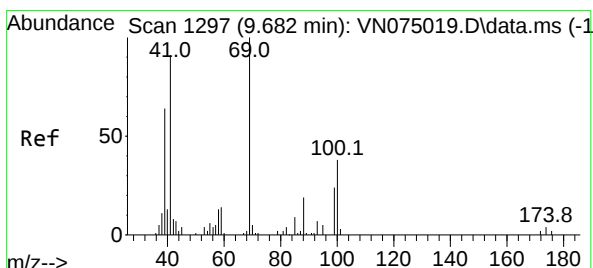
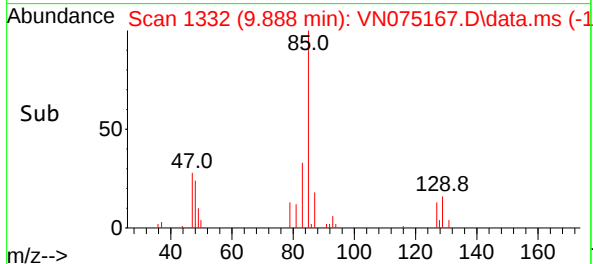
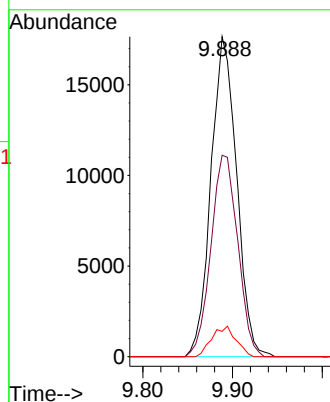
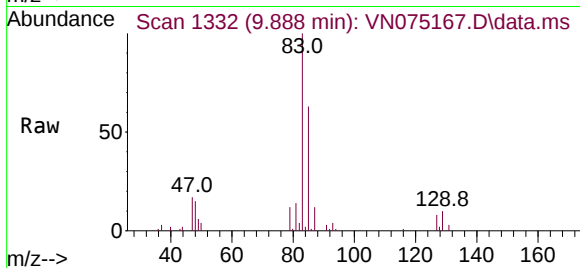
Tgt Ion: 83 Resp: 35093

Ion Ratio Lower Upper

83 100

85 63.0 52.1 78.1

127 7.9 6.6 10.0



#48

Methyl methacrylate

Concen: 18.371 ug/l

RT: 9.683 min Scan# 1297

Delta R.T. 0.001 min

Lab File: VN075167.D

Acq: 04 Nov 2022 11:53

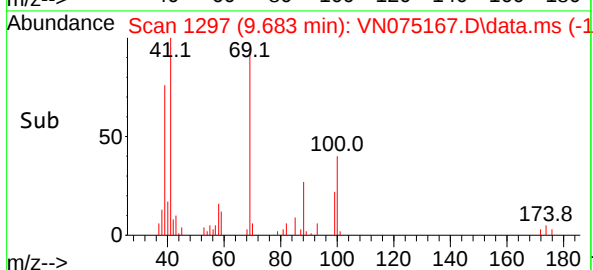
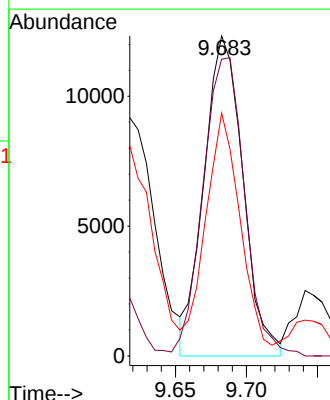
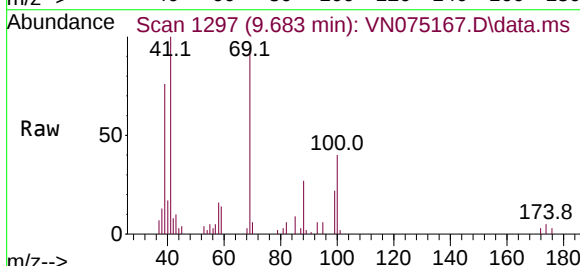
Tgt Ion: 41 Resp: 23469

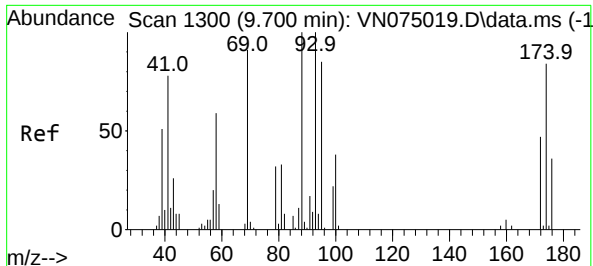
Ion Ratio Lower Upper

41 100

69 99.6 80.2 120.2

39 69.0 56.2 84.2





#49

1,4-Dioxane

Concen: 388.934 ug/l

RT: 9.700 min Scan# 1300

Delta R.T. 0.000 min

Lab File: VN075167.D

Acq: 04 Nov 2022 11:53

Instrument :

MSVOA\_N

ClientSampleId :

VN1104WBS01

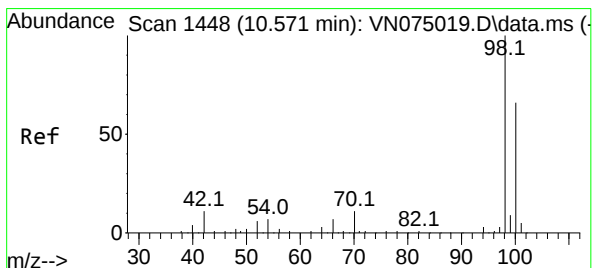
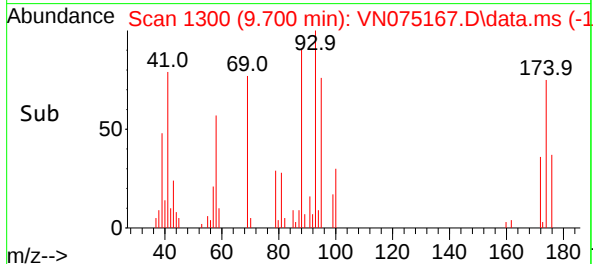
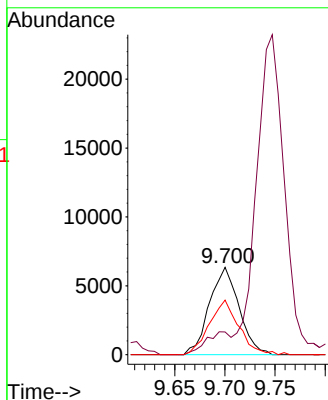
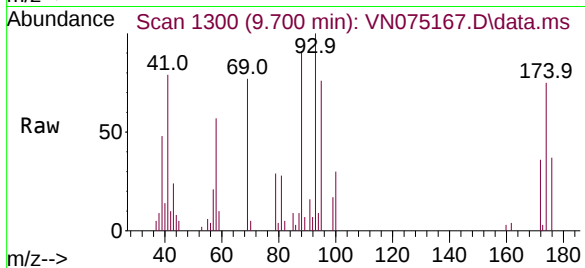
Tgt Ion: 88 Resp: 13011

Ion Ratio Lower Upper

88 100

43 22.2 17.5 26.3

58 62.6 49.8 74.8



#50

Toluene-d8

Concen: 51.576 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN075167.D

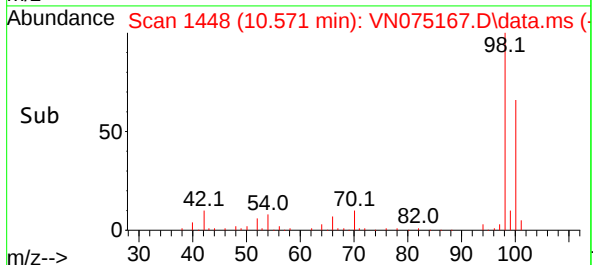
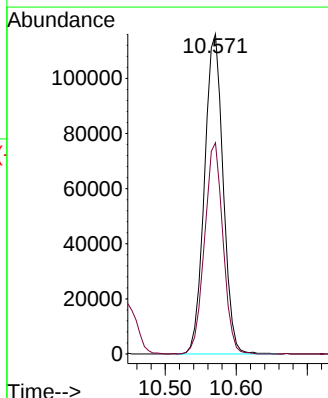
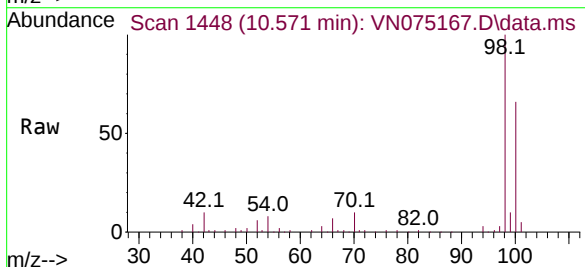
Acq: 04 Nov 2022 11:53

Tgt Ion: 98 Resp: 211601

Ion Ratio Lower Upper

98 100

100 65.4 53.0 79.6

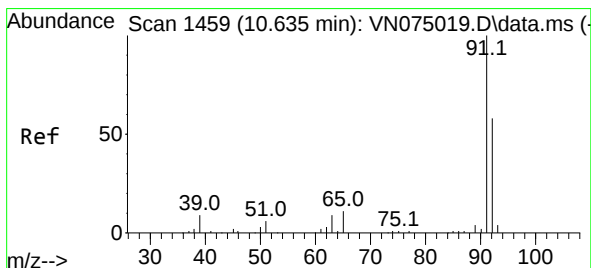
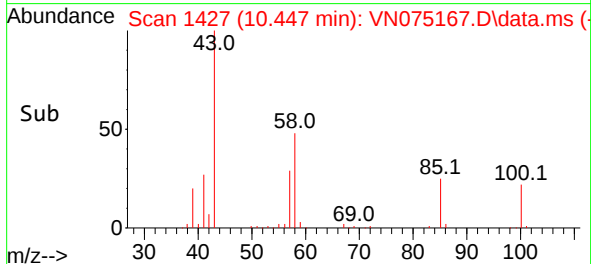
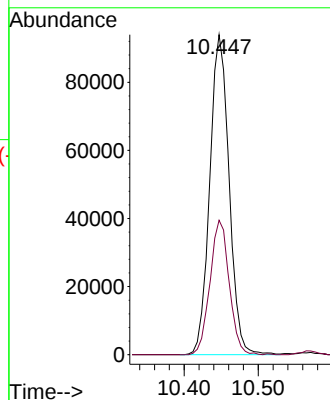
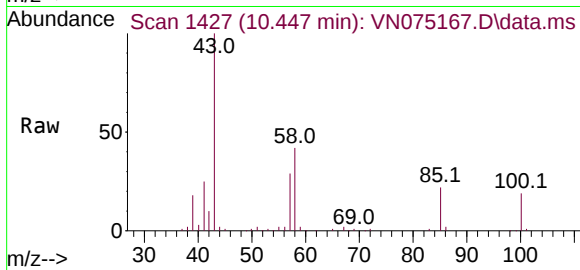




#51  
4-Methyl-2-Pentanone  
Concen: 94.738 ug/l  
RT: 10.447 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

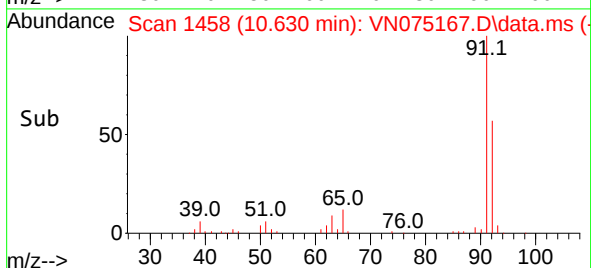
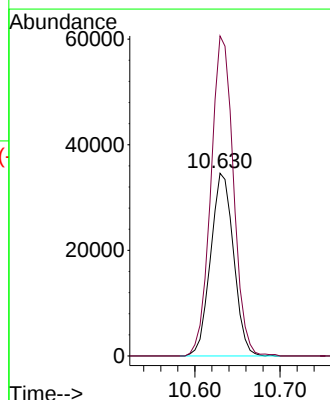
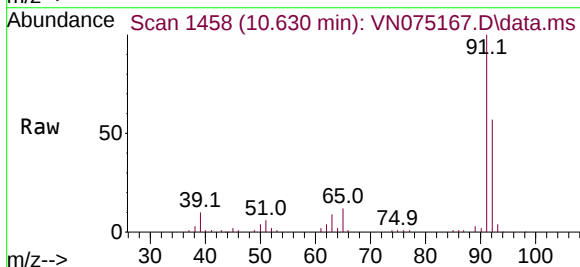
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBS01

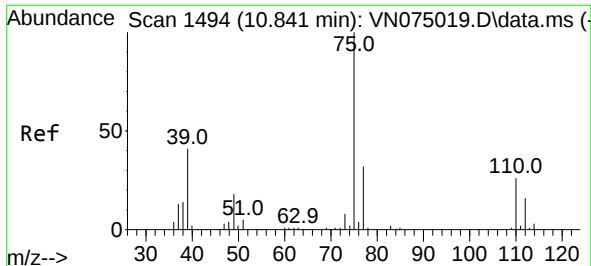
Tgt Ion: 43 Resp: 170259  
Ion Ratio Lower Upper  
43 100  
58 41.7 33.6 50.4



#52  
Toluene  
Concen: 19.308 ug/l  
RT: 10.630 min Scan# 1458  
Delta R.T. -0.005 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

Tgt Ion: 92 Resp: 64698  
Ion Ratio Lower Upper  
92 100  
91 172.5 135.4 203.2

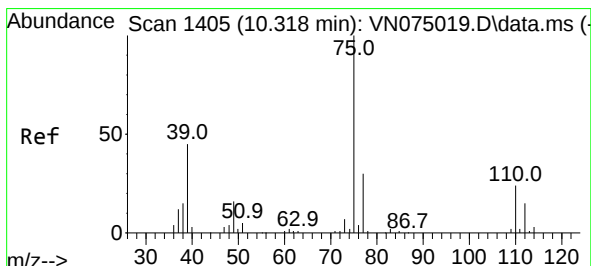
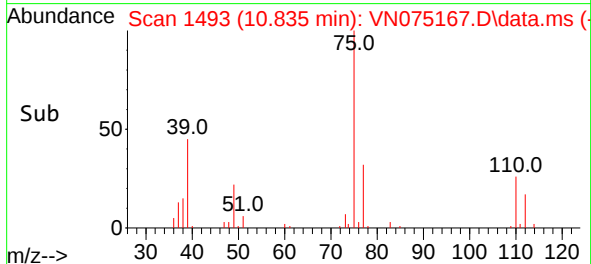
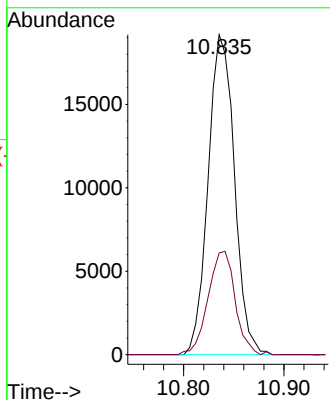
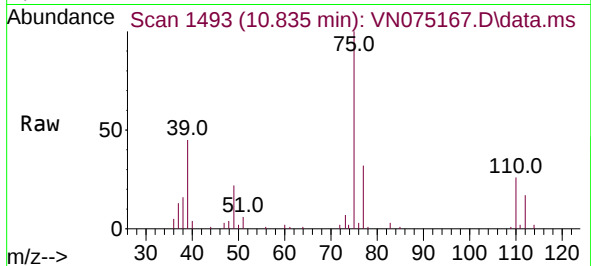




#53  
 t-1,3-Dichloropropene  
 Concen: 18.368 ug/l  
 RT: 10.835 min Scan# 1493  
 Delta R.T. -0.006 min  
 Lab File: VN075167.D  
 Acq: 04 Nov 2022 11:53

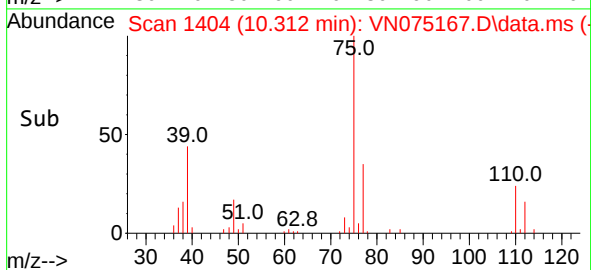
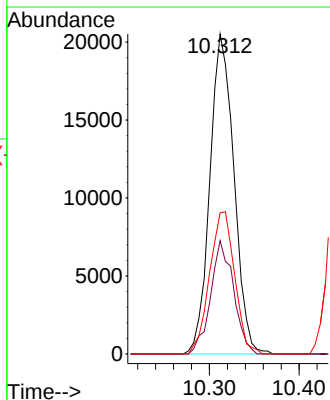
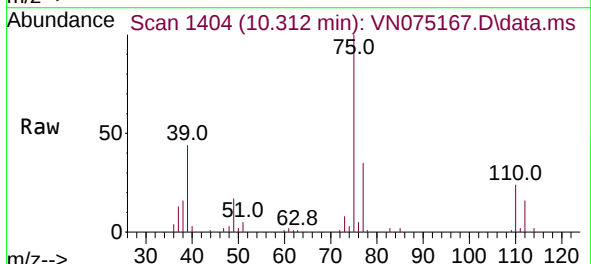
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1104WBS01

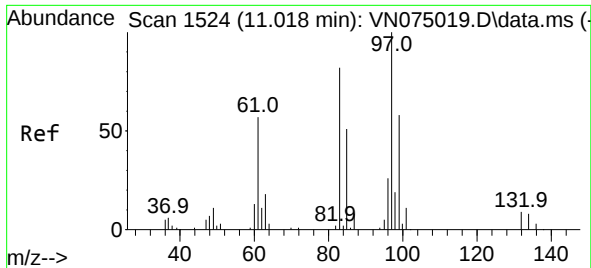
Tgt Ion: 75 Resp: 34894  
 Ion Ratio Lower Upper  
 75 100  
 77 31.8 25.4 38.2



#54  
 cis-1,3-Dichloropropene  
 Concen: 18.971 ug/l  
 RT: 10.312 min Scan# 1404  
 Delta R.T. -0.006 min  
 Lab File: VN075167.D  
 Acq: 04 Nov 2022 11:53

Tgt Ion: 75 Resp: 38225  
 Ion Ratio Lower Upper  
 75 100  
 77 35.4 23.7 35.5  
 39 44.1 35.8 53.6

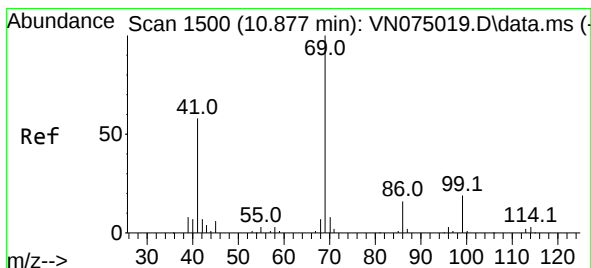
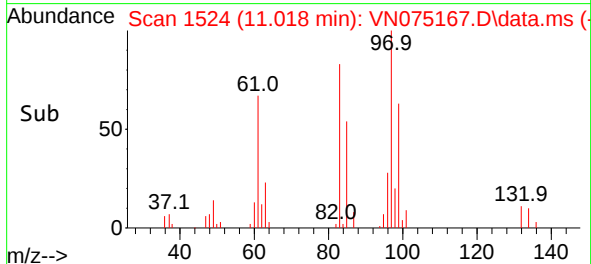
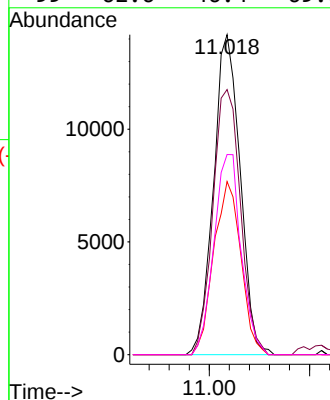
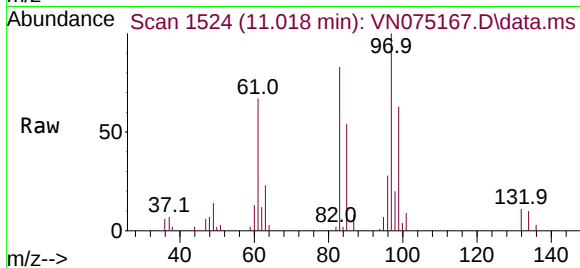




#55  
1,1,2-Trichloroethane  
Concen: 19.667 ug/l  
RT: 11.018 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

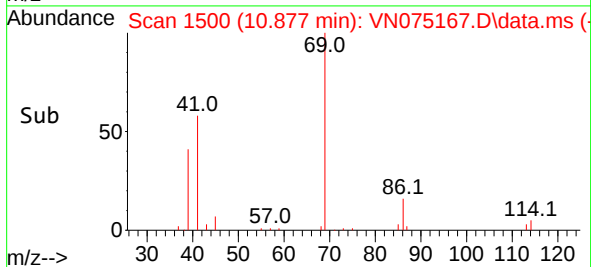
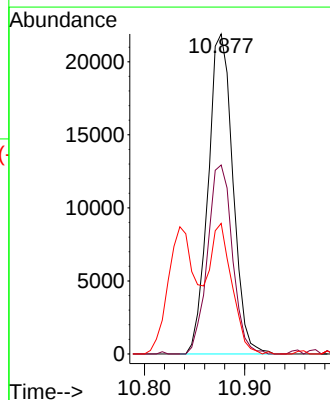
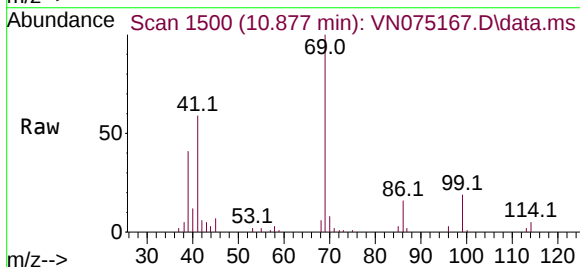
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBS01

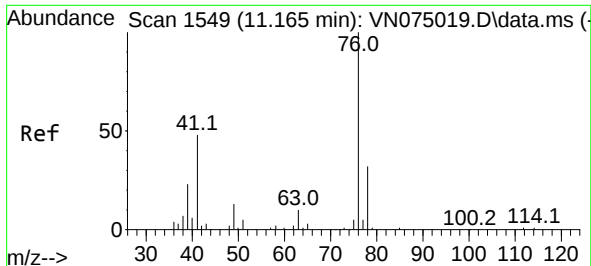
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 26131 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 82.9  | 65.9  | 98.9  |
| 85       | 54.1  | 40.4  | 60.6  |
| 99       | 62.6  | 46.4  | 69.6  |



#56  
Ethyl methacrylate  
Concen: 18.566 ug/l  
RT: 10.877 min Scan# 1500  
Delta R.T. -0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 37628 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 59.3  | 45.6  | 68.4  |
| 39       | 35.9  | 28.5  | 42.7  |





#57

1,3-Dichloropropane

Concen: 20.178 ug/l

RT: 11.165 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN075167.D

Acq: 04 Nov 2022 11:53

Instrument :

MSVOA\_N

ClientSampleId :

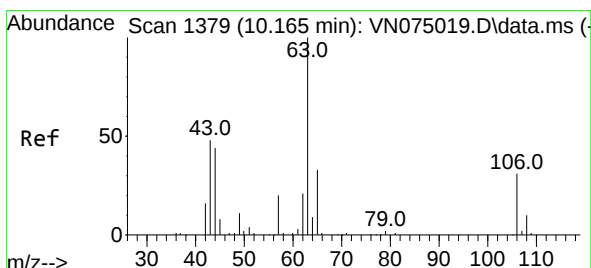
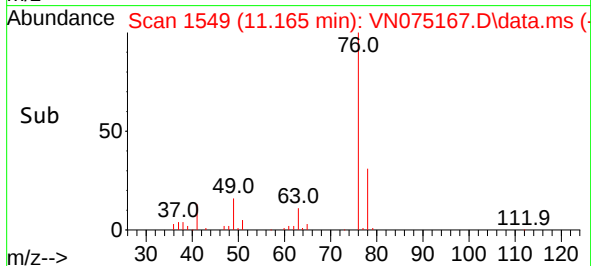
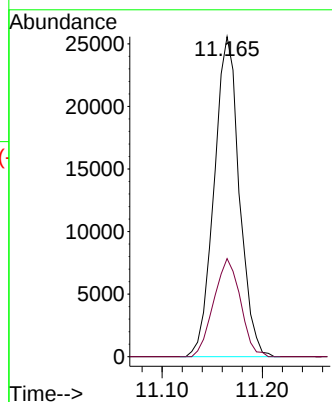
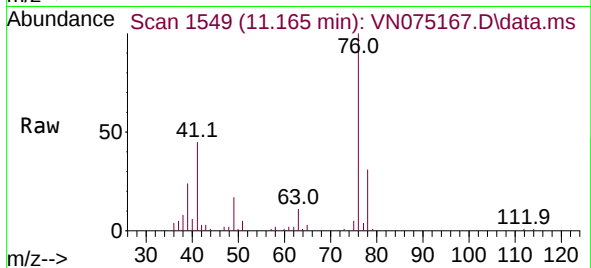
VN1104WBS01

Tgt Ion: 76 Resp: 44646

Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 92.596 ug/l

RT: 10.165 min Scan# 1379

Delta R.T. -0.000 min

Lab File: VN075167.D

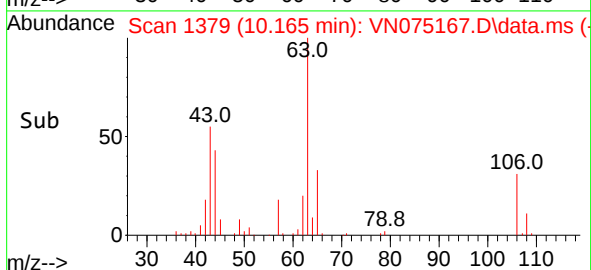
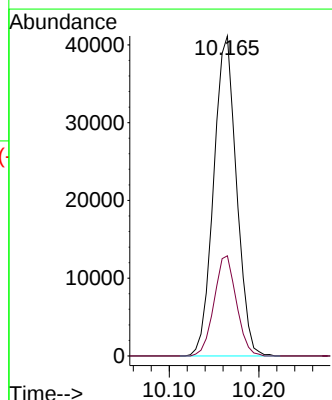
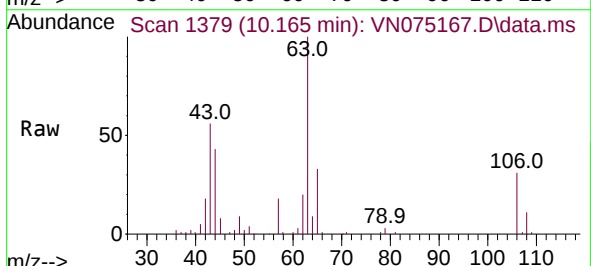
Acq: 04 Nov 2022 11:53

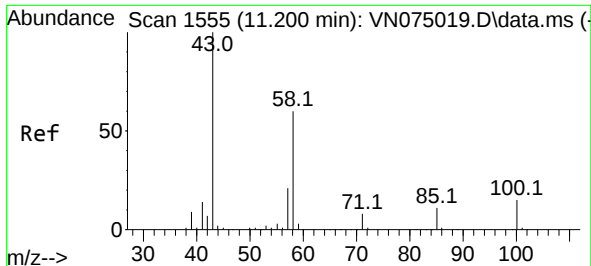
Tgt Ion: 63 Resp: 72550

Ion Ratio Lower Upper

63 100

106 30.6 24.8 37.2

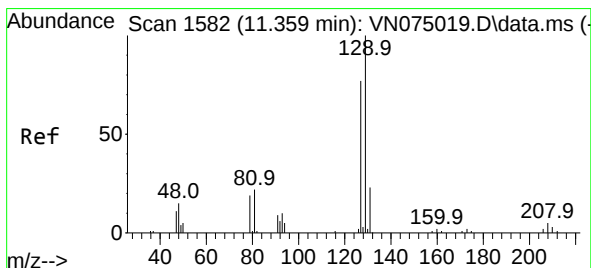
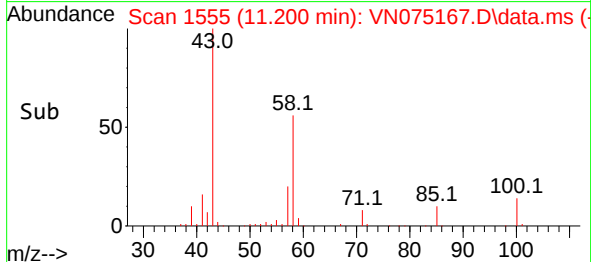
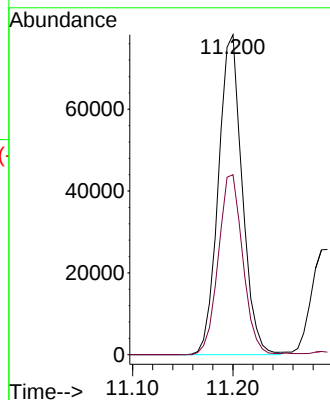
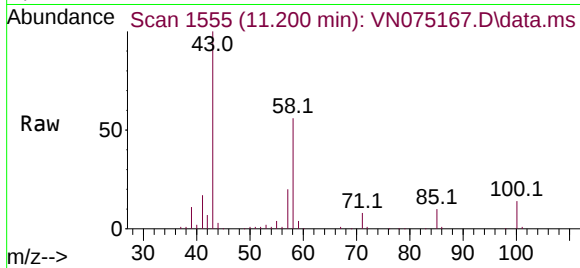




#59  
2-Hexanone  
Concen: 94.389 ug/l  
RT: 11.200 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

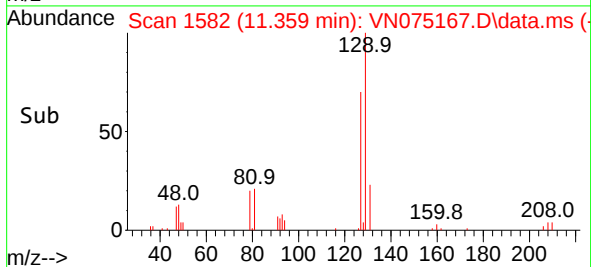
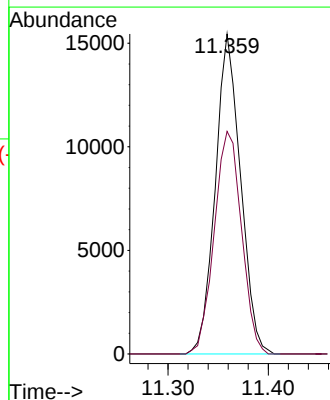
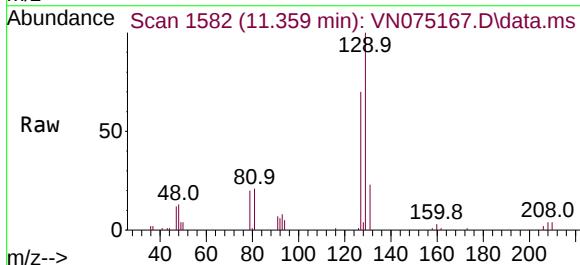
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBS01

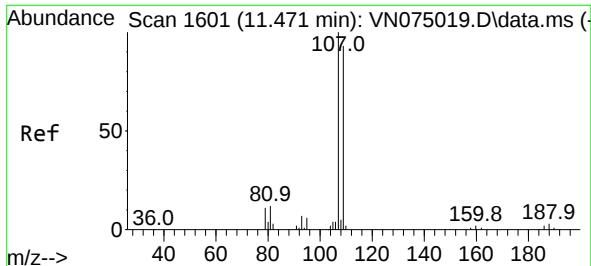
Tgt Ion: 43 Resp: 128745  
Ion Ratio Lower Upper  
43 100  
58 57.8 29.6 88.8



#60  
Dibromochloromethane  
Concen: 19.261 ug/l  
RT: 11.359 min Scan# 1582  
Delta R.T. -0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

Tgt Ion: 129 Resp: 27000  
Ion Ratio Lower Upper  
129 100  
127 75.1 38.6 115.8

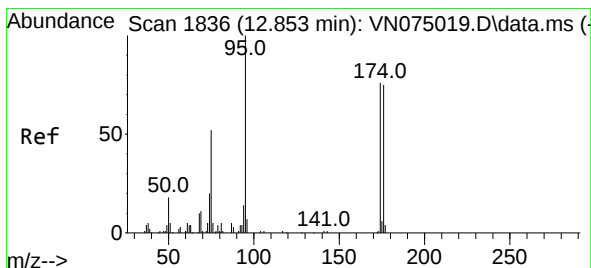
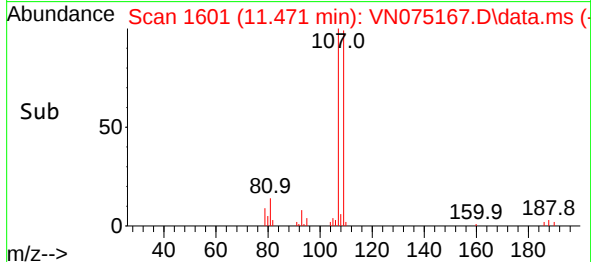
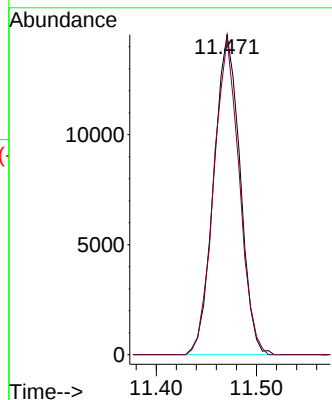
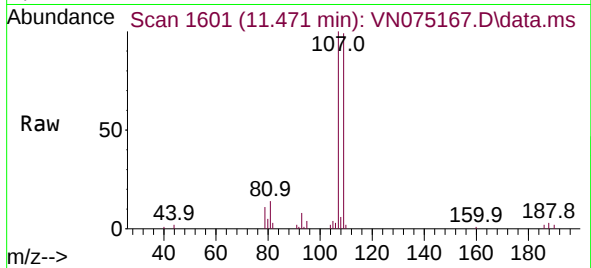




#61  
1,2-Dibromoethane  
Concen: 19.392 ug/l  
RT: 11.471 min Scan# 1601  
Delta R.T. -0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

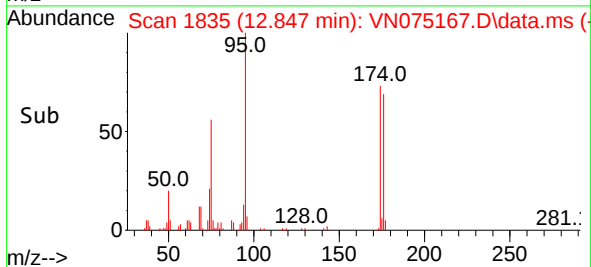
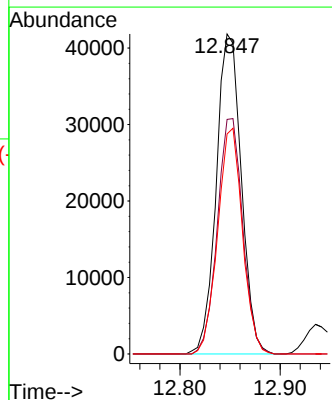
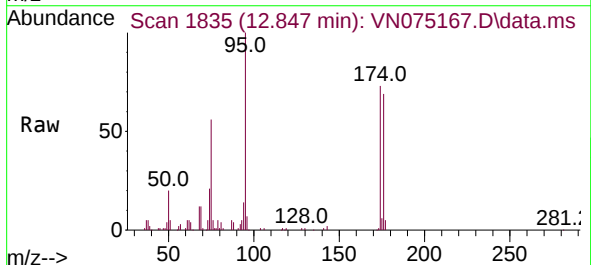
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBS01

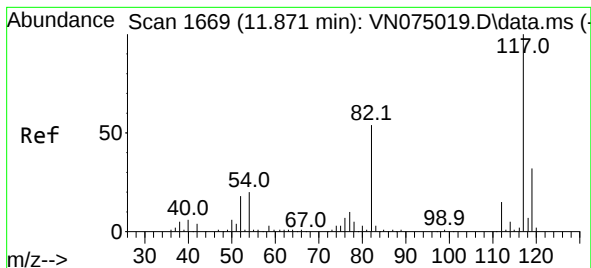
Tgt Ion:107 Resp: 26405  
Ion Ratio Lower Upper  
107 100  
109 96.5 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 50.290 ug/l  
RT: 12.847 min Scan# 1835  
Delta R.T. -0.006 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

Tgt Ion: 95 Resp: 72478  
Ion Ratio Lower Upper  
95 100  
174 74.4 0.0 147.4  
176 69.8 0.0 142.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN075167.D

Acq: 04 Nov 2022 11:53

Instrument :

MSVOA\_N

ClientSampleId :

VN1104WBS01

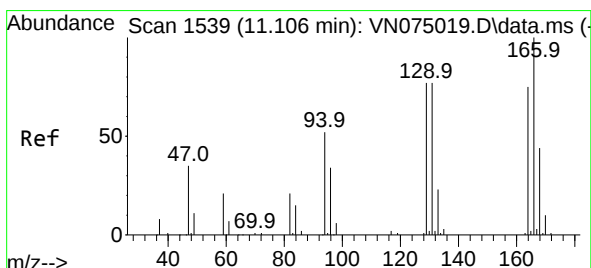
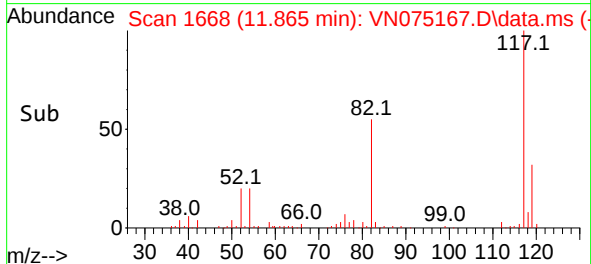
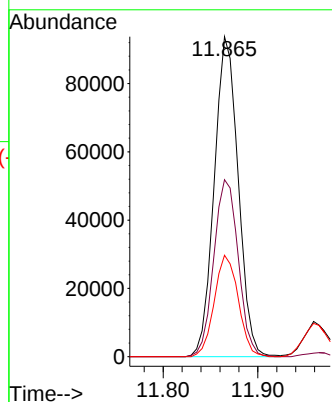
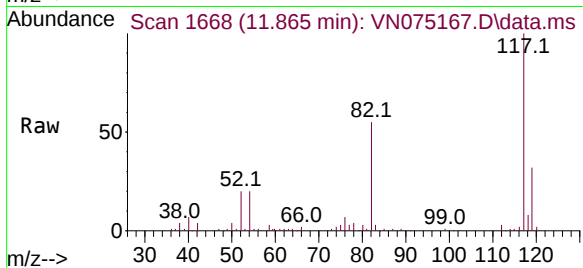
Tgt Ion:117 Resp: 164563

Ion Ratio Lower Upper

117 100

82 55.3 43.1 64.7

119 31.7 25.5 38.3



#64

Tetrachloroethene

Concen: 22.025 ug/l

RT: 11.106 min Scan# 1539

Delta R.T. -0.000 min

Lab File: VN075167.D

Acq: 04 Nov 2022 11:53

Tgt Ion:164 Resp: 22221

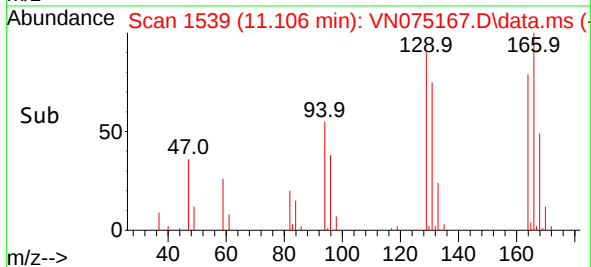
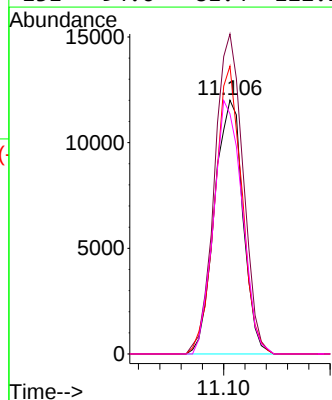
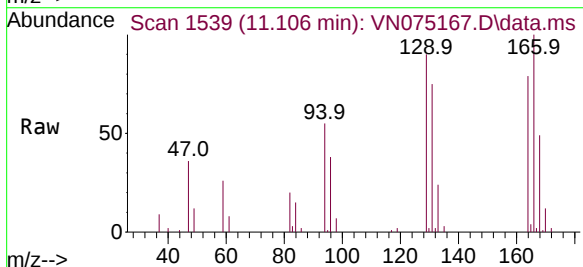
Ion Ratio Lower Upper

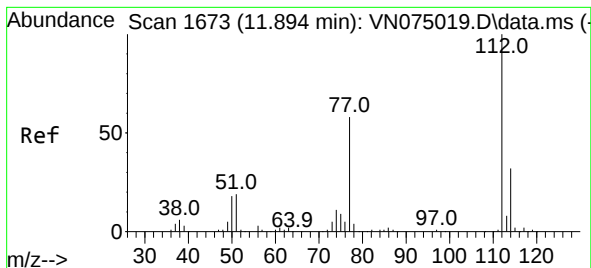
164 100

166 126.1 106.5 159.7

129 113.4 81.9 122.9

131 94.6 81.4 122.2





#65

Chlorobenzene

Concen: 19.204 ug/l

RT: 11.894 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN075167.D

Acq: 04 Nov 2022 11:53

Instrument :

MSVOA\_N

ClientSampleId :

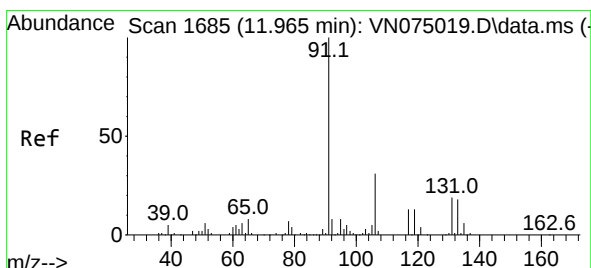
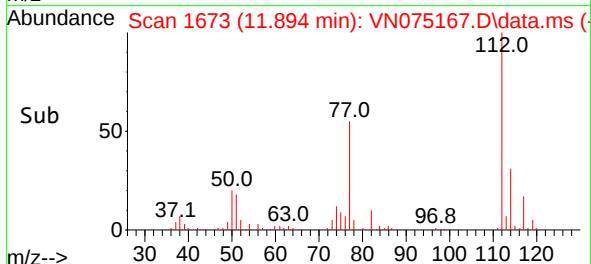
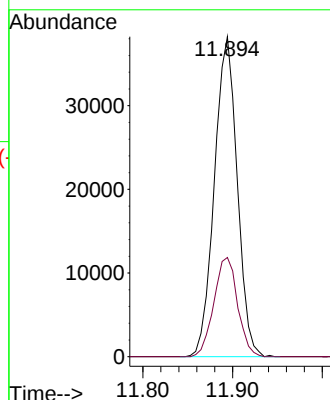
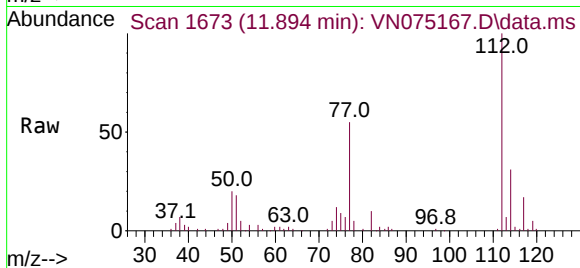
VN1104WBS01

Tgt Ion:112 Resp: 67457

Ion Ratio Lower Upper

112 100

114 31.0 25.4 38.2



#66

1,1,1,2-Tetrachloroethane

Concen: 19.245 ug/l

RT: 11.965 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN075167.D

Acq: 04 Nov 2022 11:53

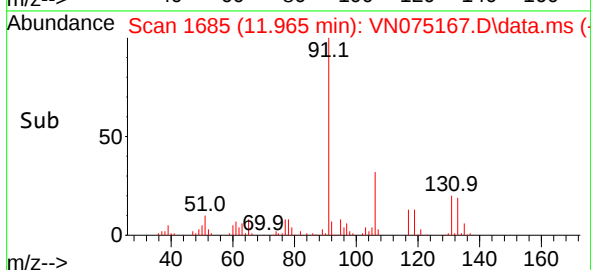
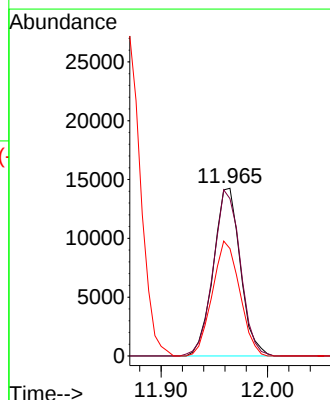
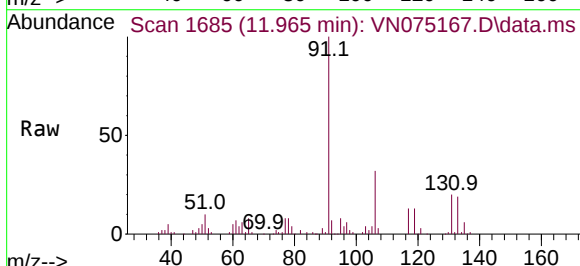
Tgt Ion:131 Resp: 25077

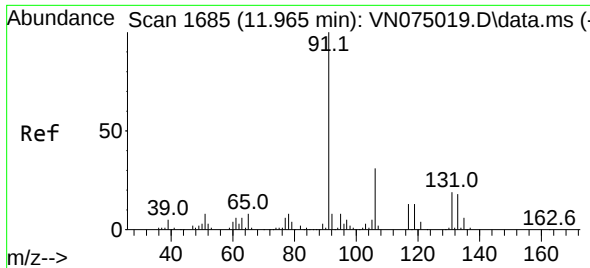
Ion Ratio Lower Upper

131 100

133 99.4 47.8 143.4

119 69.5 33.0 99.0

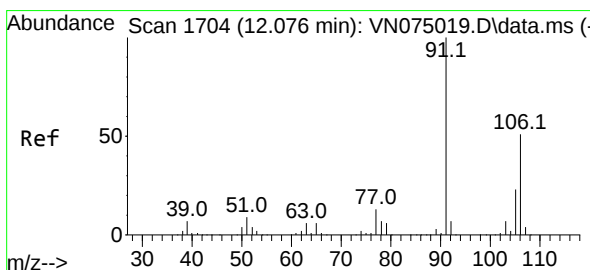
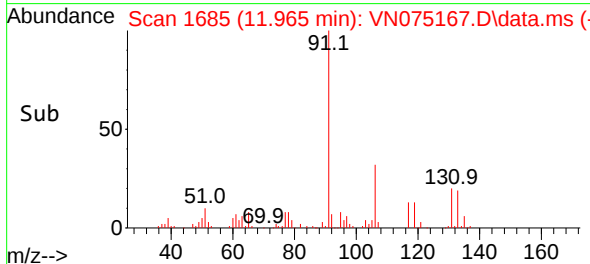
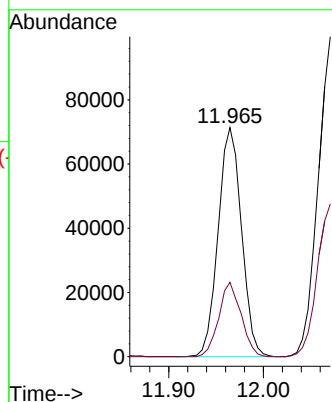
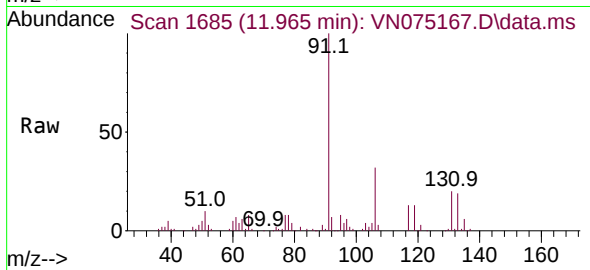




#67  
Ethyl Benzene  
Concen: 19.349 ug/l  
RT: 11.965 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

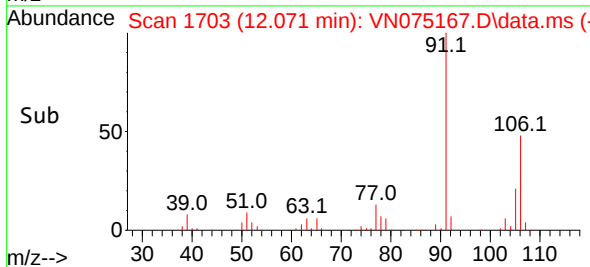
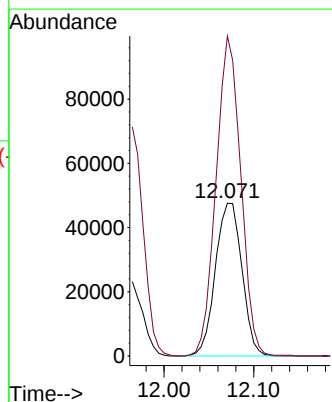
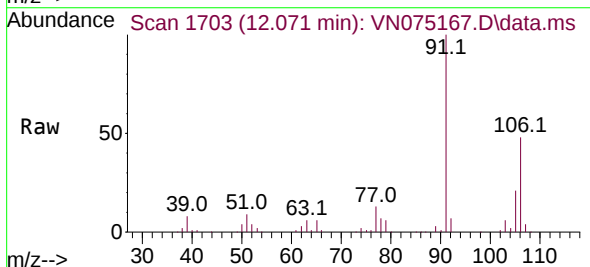
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBS01

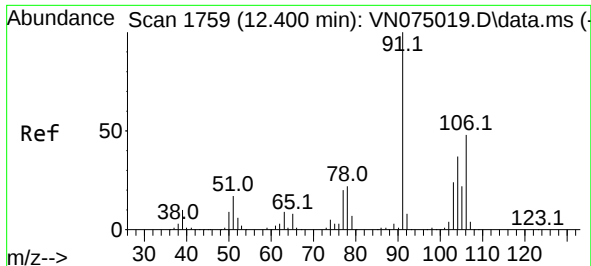
Tgt Ion: 91 Resp: 122278  
Ion Ratio Lower Upper  
91 100  
106 32.5 24.9 37.3



#68  
m/p-Xylenes  
Concen: 38.490 ug/l  
RT: 12.071 min Scan# 1703  
Delta R.T. -0.005 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

Tgt Ion:106 Resp: 97602  
Ion Ratio Lower Upper  
106 100  
91 195.7 156.0 234.0

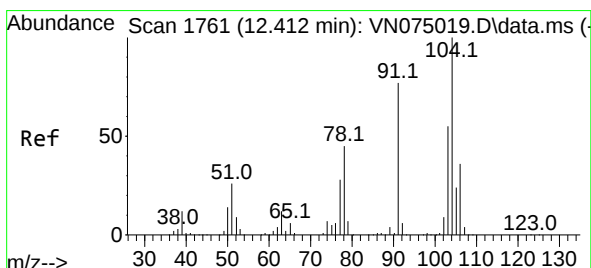
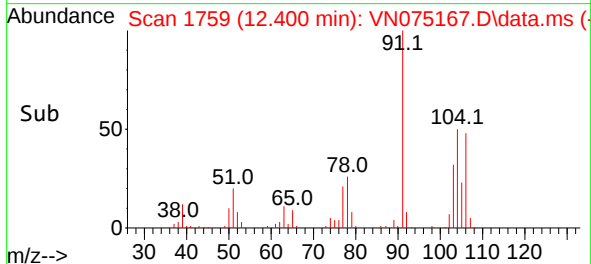
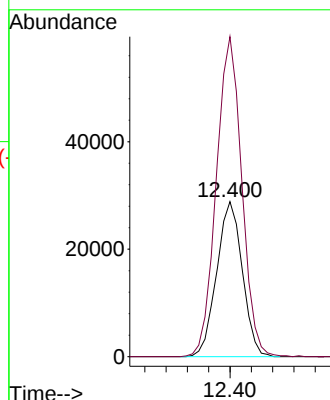
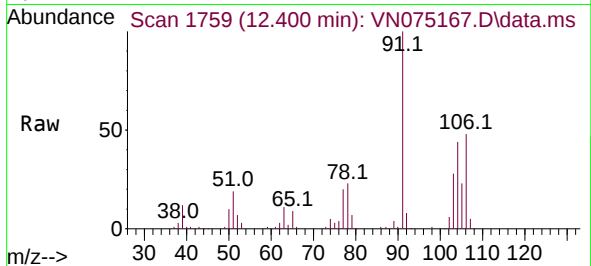




#69  
o-Xylene  
Concen: 19.197 ug/l  
RT: 12.400 min Scan# 1759  
Delta R.T. -0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

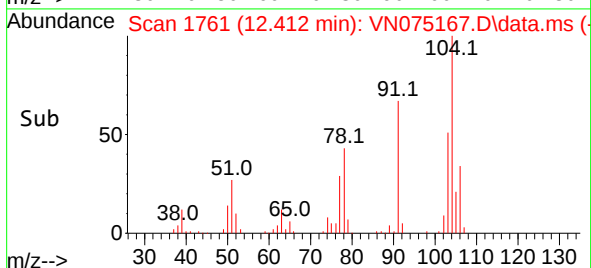
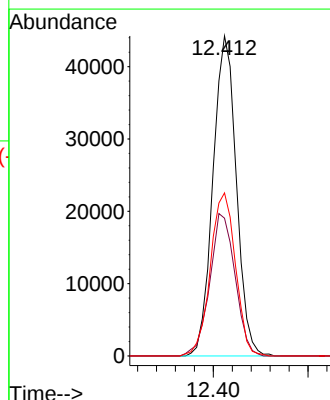
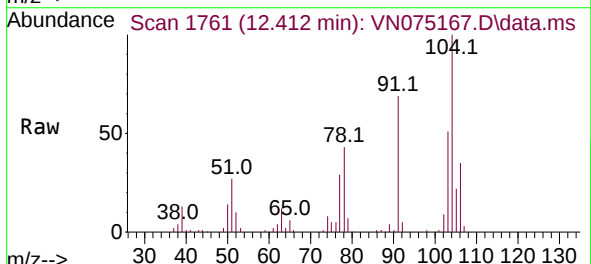
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBS01

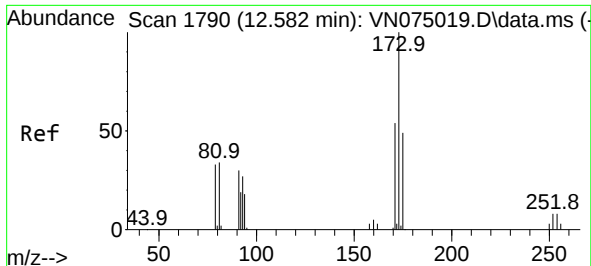
Tgt Ion:106 Resp: 48141  
Ion Ratio Lower Upper  
106 100  
91 205.5 105.2 315.5



#70  
Styrene  
Concen: 18.952 ug/l  
RT: 12.412 min Scan# 1761  
Delta R.T. -0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

Tgt Ion:104 Resp: 75783  
Ion Ratio Lower Upper  
104 100  
78 48.1 38.1 57.1  
103 54.6 44.6 66.8

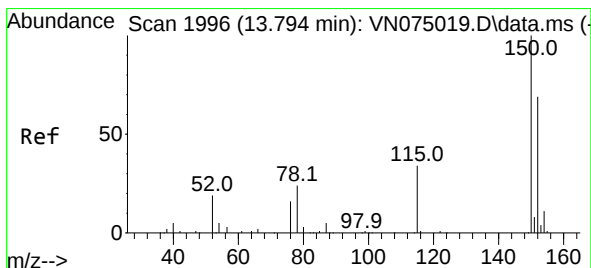
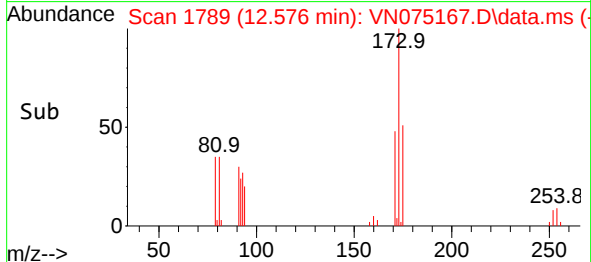
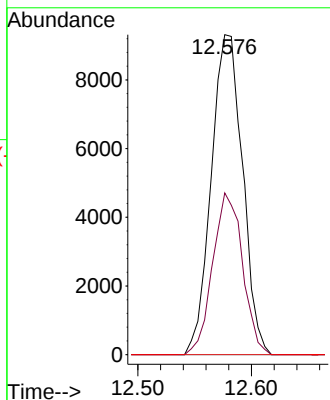
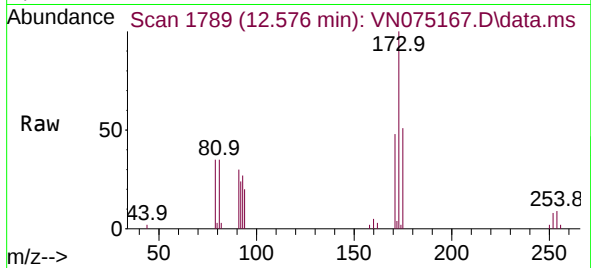




#71  
Bromoform  
Concen: 18.287 ug/l  
RT: 12.576 min Scan# 1789  
Delta R.T. -0.006 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

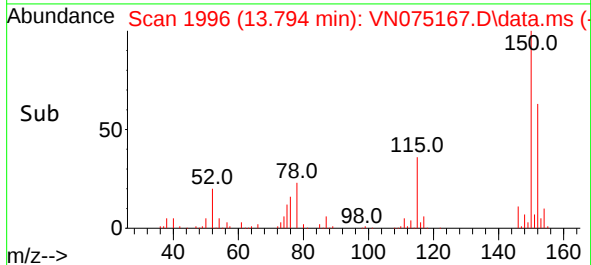
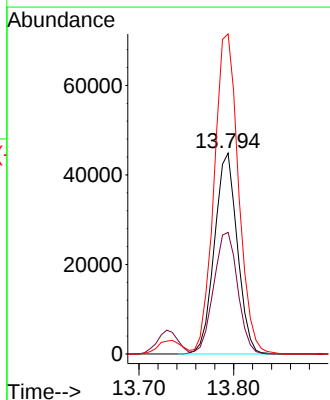
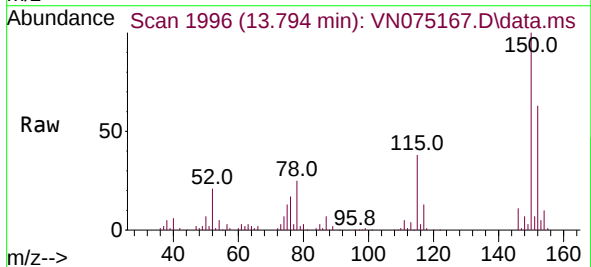
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBS01

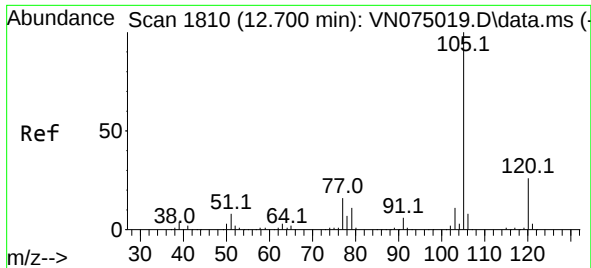
Tgt Ion:173 Resp: 17841  
Ion Ratio Lower Upper  
173 100  
175 48.1 24.6 74.0  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. 0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

Tgt Ion:152 Resp: 75250  
Ion Ratio Lower Upper  
152 100  
115 63.6 30.2 90.6  
150 170.1 0.0 348.4

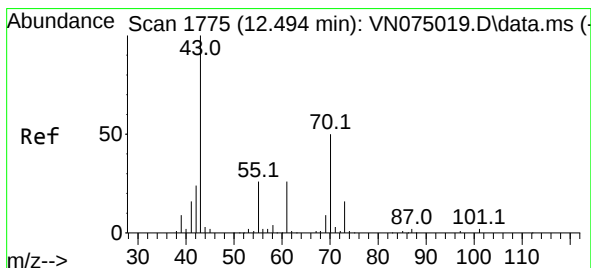
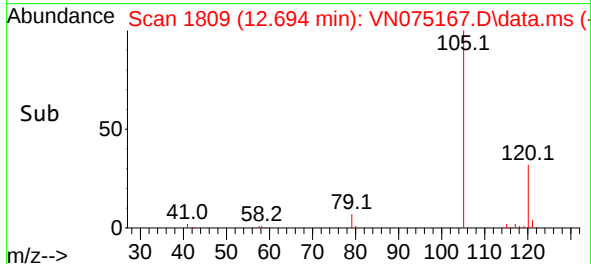
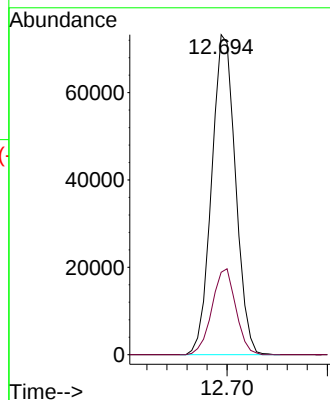
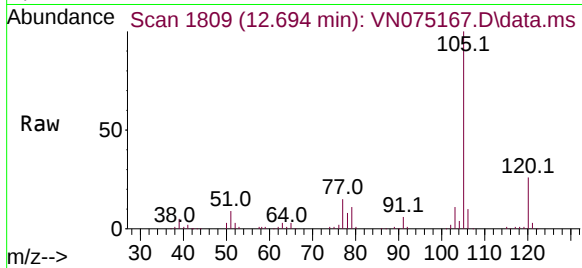




#73  
Isopropylbenzene  
Concen: 19.999 ug/l  
RT: 12.694 min Scan# 1809  
Delta R.T. -0.006 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

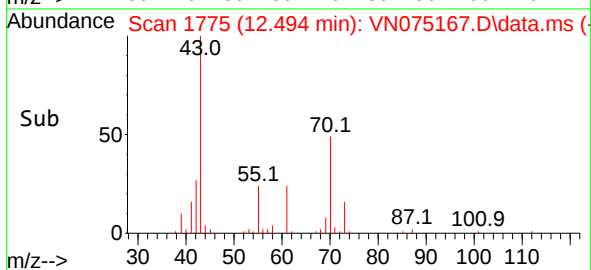
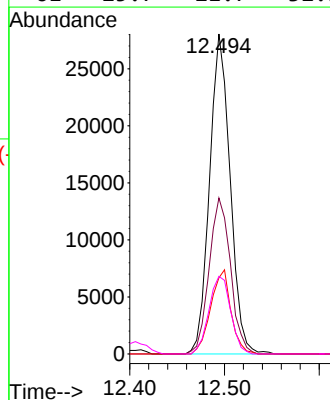
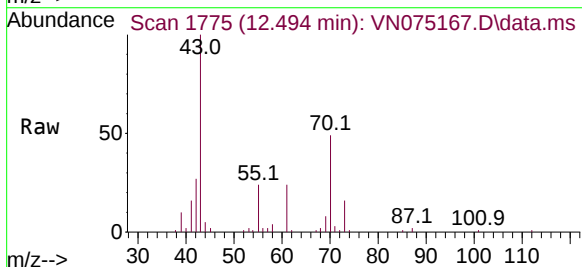
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBS01

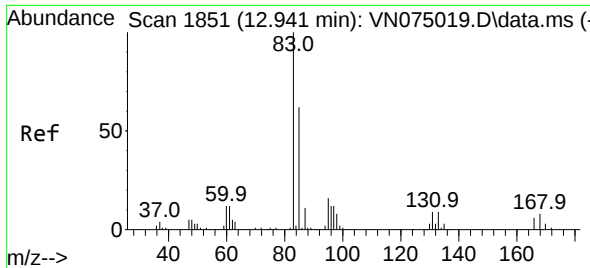
Tgt Ion:105 Resp: 120817  
Ion Ratio Lower Upper  
105 100  
120 26.8 13.1 39.1



#74  
N-ethyl acetate  
Concen: 18.902 ug/l  
RT: 12.494 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

Tgt Ion: 43 Resp: 42233  
Ion Ratio Lower Upper  
43 100  
70 50.7 39.8 59.8  
55 25.9 19.9 29.9  
61 25.7 21.7 32.5

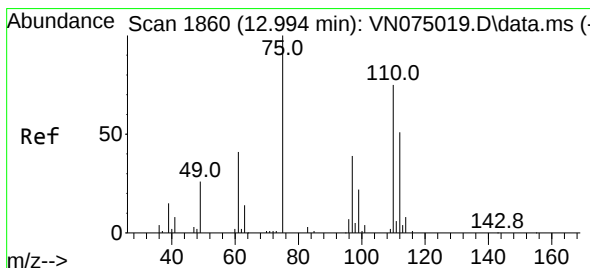
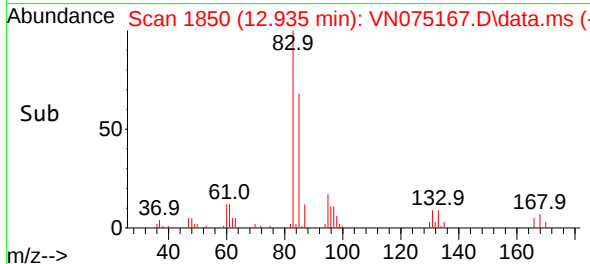
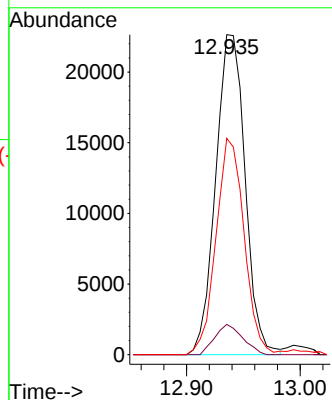
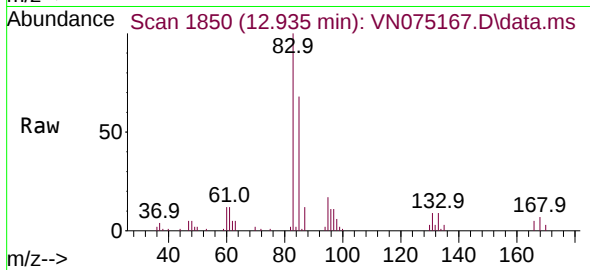




#75  
1,1,2,2-Tetrachloroethane  
Concen: 21.228 ug/l  
RT: 12.935 min Scan# 1850  
Delta R.T. -0.006 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

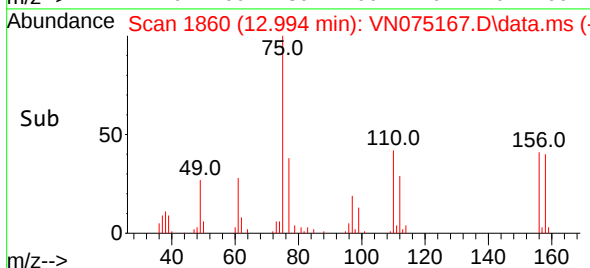
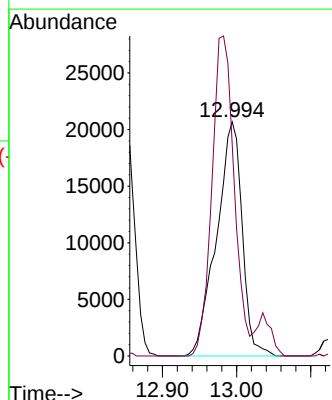
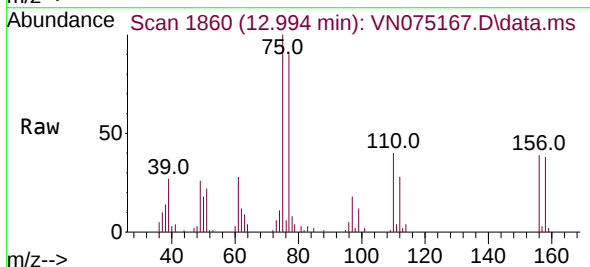
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBS01

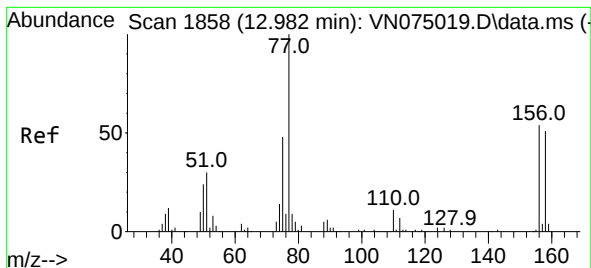
Tgt Ion: 83 Resp: 40824  
Ion Ratio Lower Upper  
83 100  
131 8.9 5.1 15.3  
85 64.8 31.6 94.7



#76  
1,2,3-Trichloropropane  
Concen: 31.129 ug/l  
RT: 12.994 min Scan# 1860  
Delta R.T. 0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

Tgt Ion: 75 Resp: 49736  
Ion Ratio Lower Upper  
75 100  
77 118.5 75.6 226.8





#77

Bromobenzene

Concen: 19.866 ug/l

RT: 12.982 min Scan# 1858

Delta R.T. 0.000 min

Lab File: VN075167.D

Acq: 04 Nov 2022 11:53

Instrument :

MSVOA\_N

ClientSampleId :

VN1104WBS01

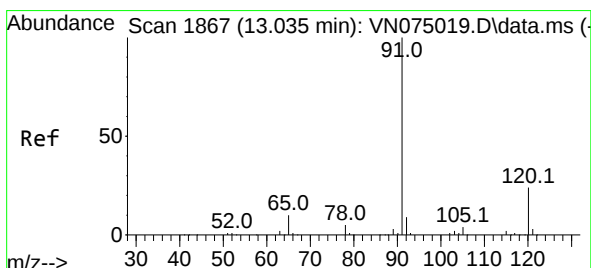
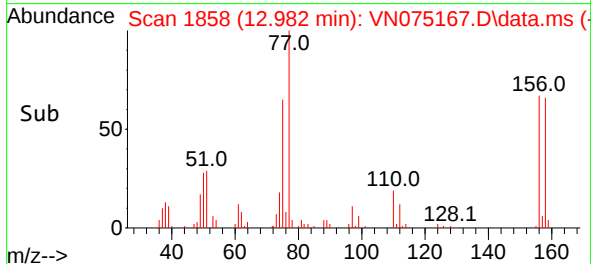
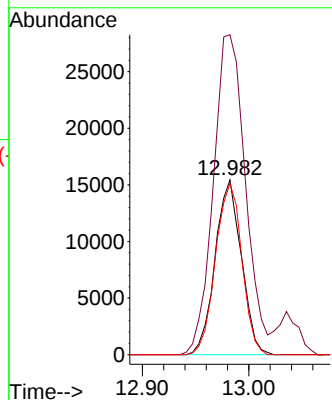
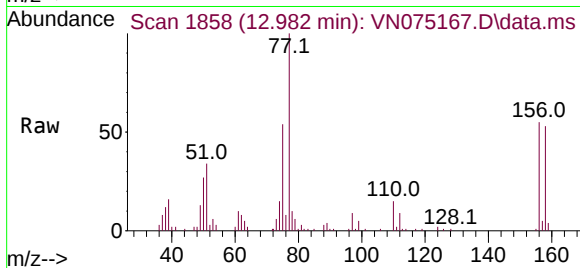
Tgt Ion:156 Resp: 26425

Ion Ratio Lower Upper

156 100

77 223.0 108.5 325.5

158 98.1 47.7 143.1



#78

n-propylbenzene

Concen: 20.369 ug/l

RT: 13.035 min Scan# 1867

Delta R.T. 0.000 min

Lab File: VN075167.D

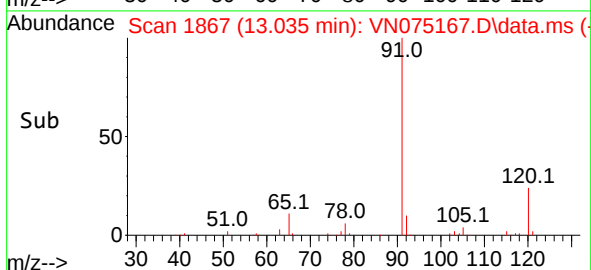
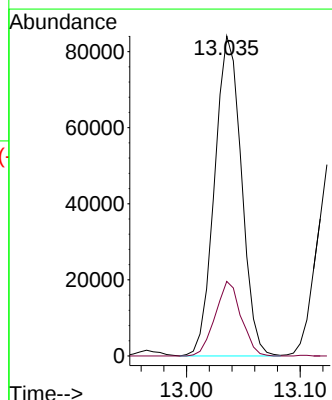
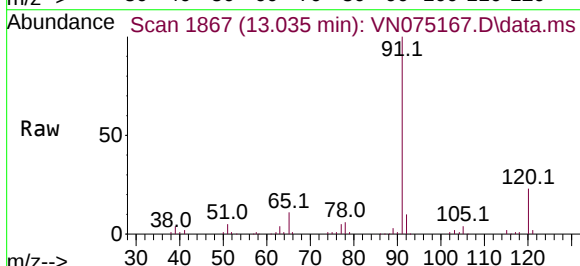
Acq: 04 Nov 2022 11:53

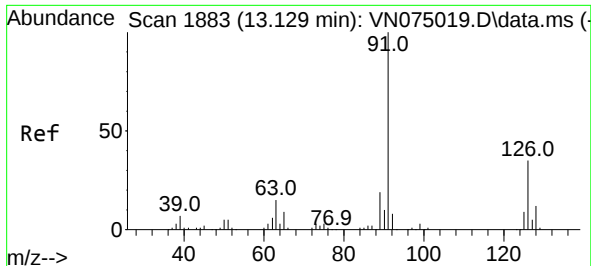
Tgt Ion: 91 Resp: 138156

Ion Ratio Lower Upper

91 100

120 22.4 11.9 35.5

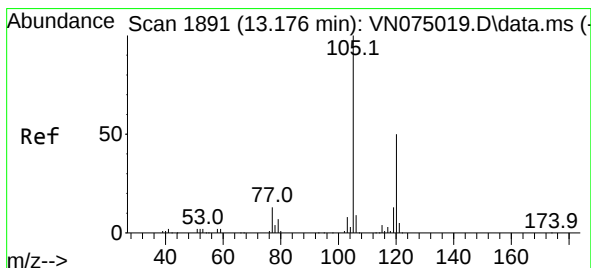
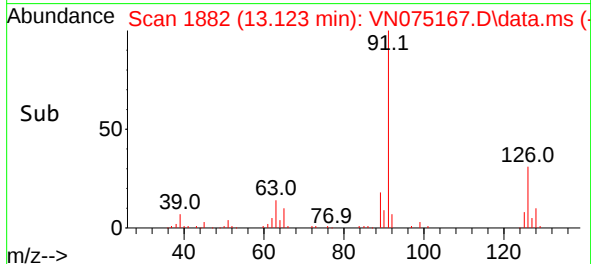
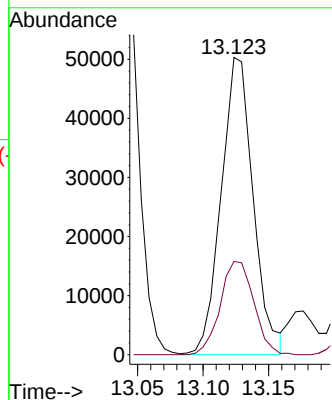
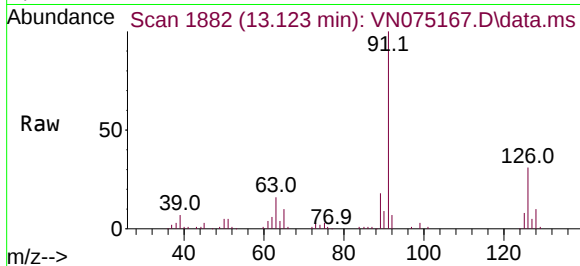




#79  
2-Chlorotoluene  
Concen: 20.611 ug/l  
RT: 13.123 min Scan# 1882  
Delta R.T. -0.006 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

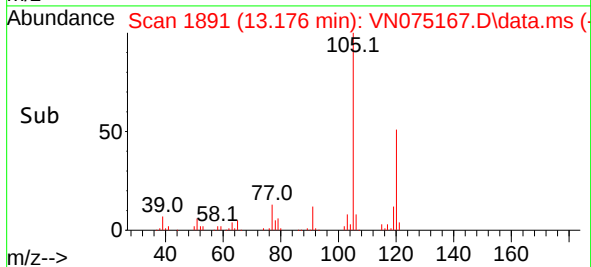
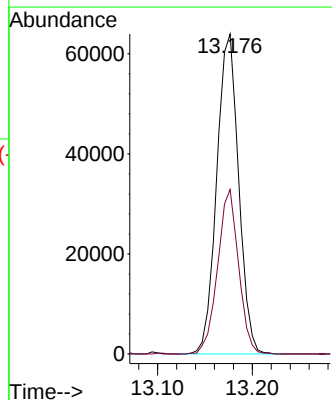
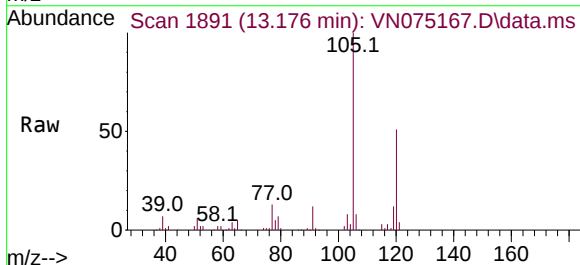
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBS01

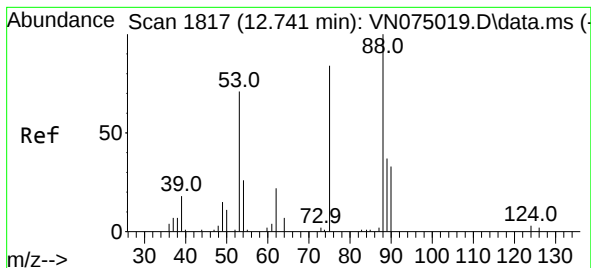
Tgt Ion: 91 Resp: 85425  
Ion Ratio Lower Upper  
91 100  
126 32.8 16.9 50.7



#80  
1,3,5-Trimethylbenzene  
Concen: 20.251 ug/l  
RT: 13.176 min Scan# 1891  
Delta R.T. 0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

Tgt Ion: 105 Resp: 102755  
Ion Ratio Lower Upper  
105 100  
120 49.2 24.7 74.1

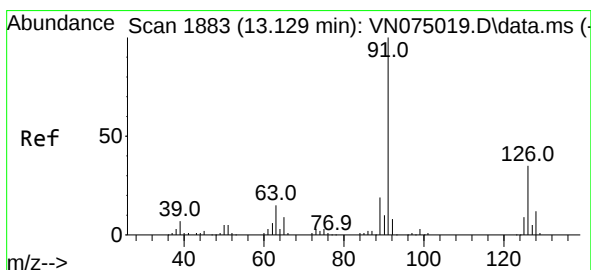
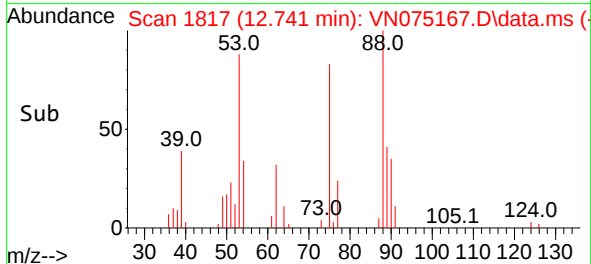
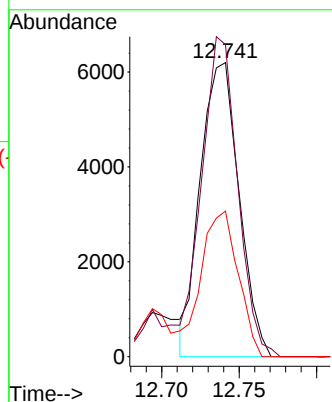
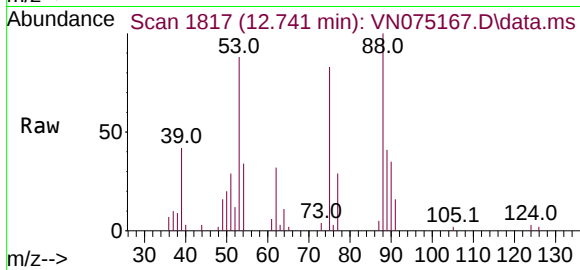




#81  
trans-1,4-Dichloro-2-butene  
Concen: 17.284 ug/l  
RT: 12.741 min Scan# 1817  
Delta R.T. 0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

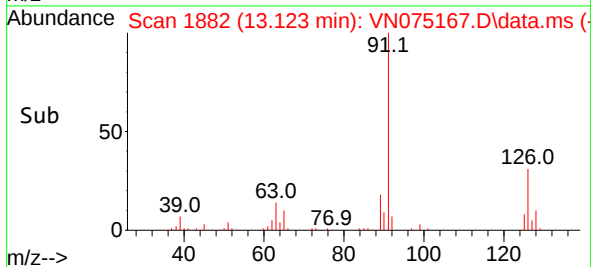
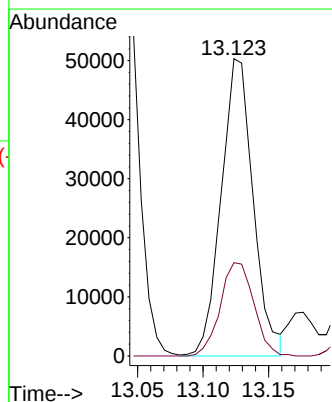
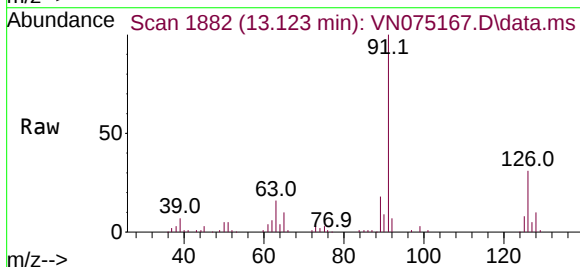
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBS01

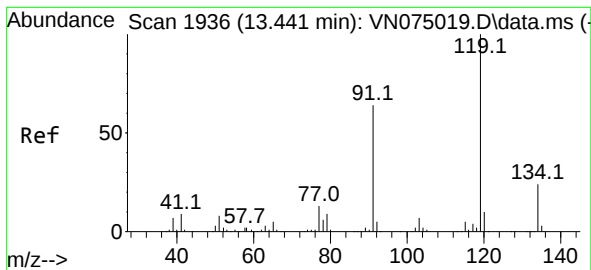
Tgt Ion: 75 Resp: 10758  
Ion Ratio Lower Upper  
75 100  
53 100.7 78.5 117.7  
89 49.0 37.7 56.5



#82  
4-Chlorotoluene  
Concen: 20.611 ug/l  
RT: 13.123 min Scan# 1882  
Delta R.T. -0.006 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

Tgt Ion: 91 Resp: 85425  
Ion Ratio Lower Upper  
91 100  
126 32.8 16.9 50.7

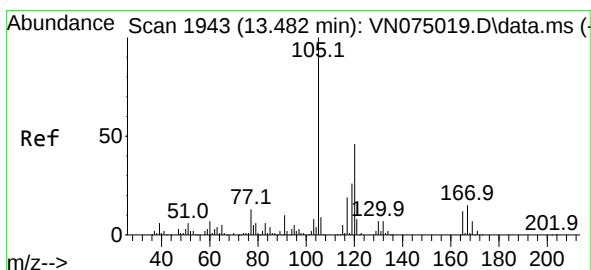
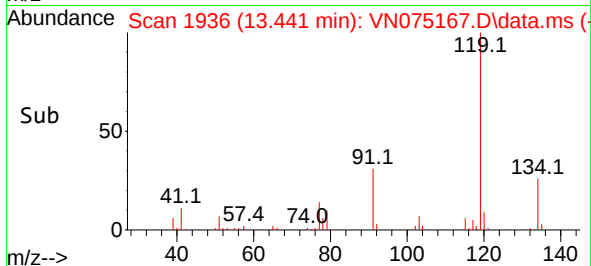
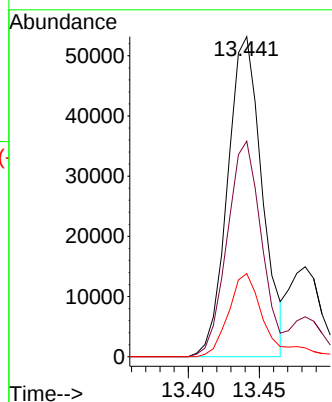
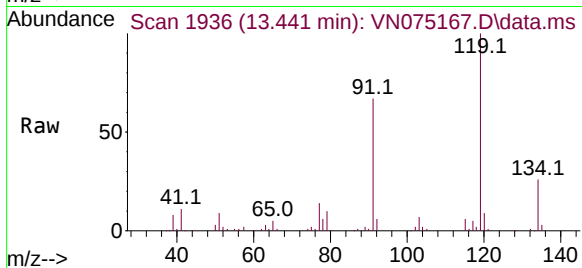




#83  
tert-Butylbenzene  
Concen: 19.924 ug/l  
RT: 13.441 min Scan# 1936  
Delta R.T. 0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

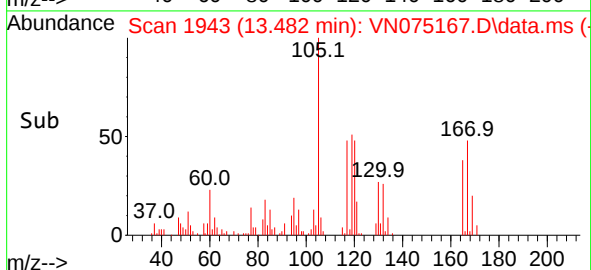
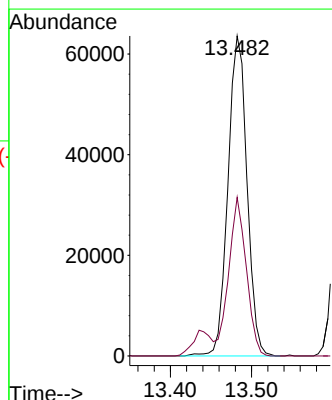
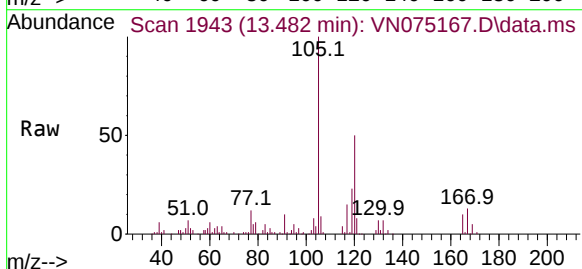
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBS01

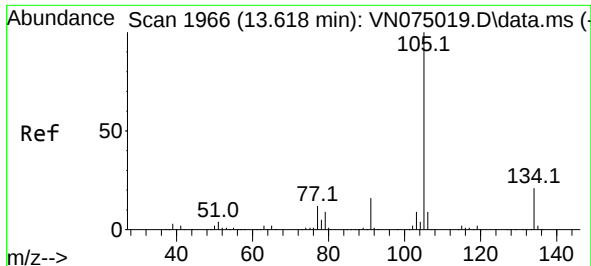
Tgt Ion:119 Resp: 89831  
Ion Ratio Lower Upper  
119 100  
91 68.7 32.8 98.4  
134 26.9 12.3 36.9



#84  
1,2,4-Trimethylbenzene  
Concen: 20.195 ug/l  
RT: 13.482 min Scan# 1943  
Delta R.T. 0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

Tgt Ion:105 Resp: 103678  
Ion Ratio Lower Upper  
105 100  
120 46.1 22.7 68.1

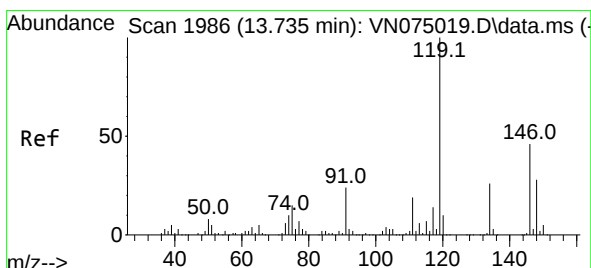
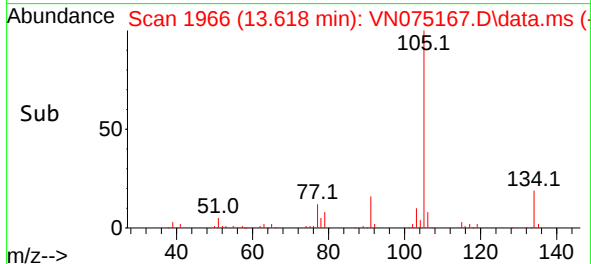
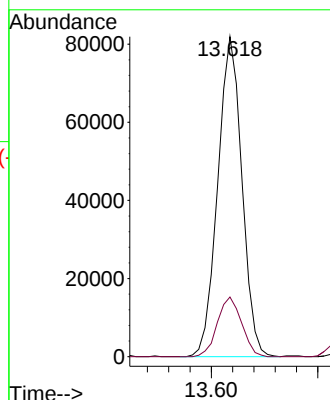
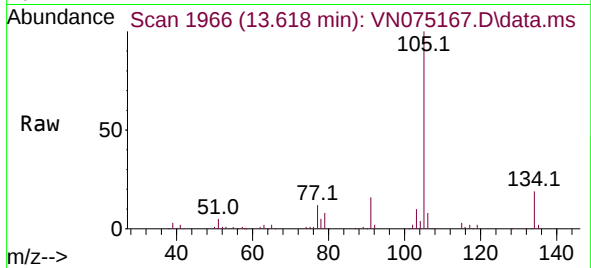




#85  
 sec-Butylbenzene  
 Concen: 20.433 ug/l  
 RT: 13.618 min Scan# 1966  
 Delta R.T. -0.000 min  
 Lab File: VN075167.D  
 Acq: 04 Nov 2022 11:53

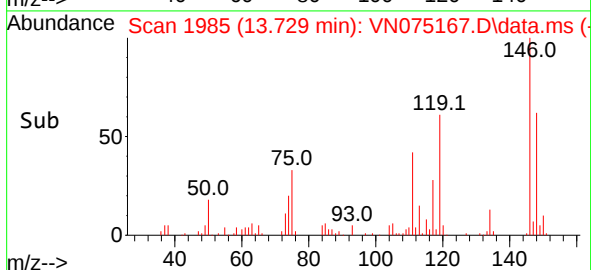
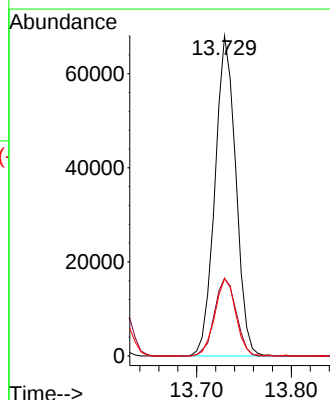
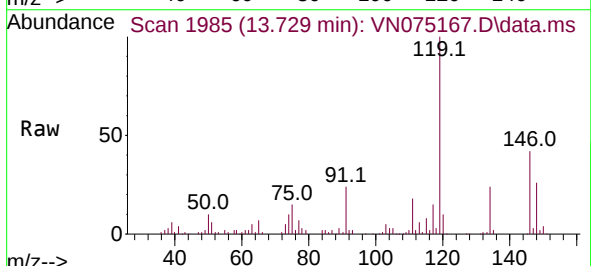
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1104WBS01

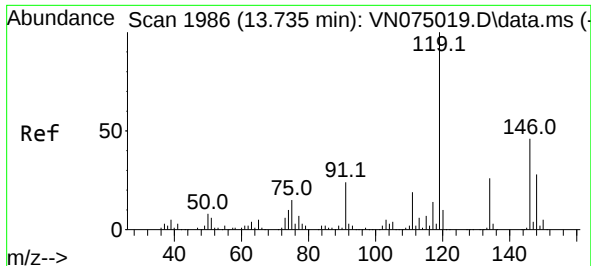
Tgt Ion:105 Resp: 128878  
 Ion Ratio Lower Upper  
 105 100  
 134 18.7 10.2 30.6



#86  
 p-Isopropyltoluene  
 Concen: 19.987 ug/l  
 RT: 13.729 min Scan# 1985  
 Delta R.T. -0.006 min  
 Lab File: VN075167.D  
 Acq: 04 Nov 2022 11:53

Tgt Ion:119 Resp: 104114  
 Ion Ratio Lower Upper  
 119 100  
 134 25.1 13.1 39.3  
 91 24.2 11.9 35.5





#87

1,3-Dichlorobenzene

Concen: 20.193 ug/l

RT: 13.735 min Scan# 1986

Delta R.T. 0.000 min

Lab File: VN075167.D

Acq: 04 Nov 2022 11:53

Instrument :

MSVOA\_N

ClientSampleId :

VN1104WBS01

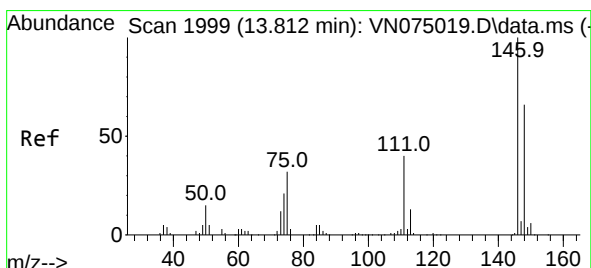
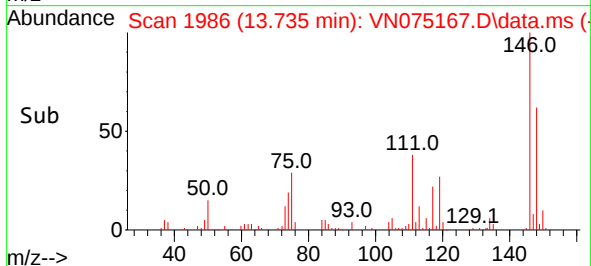
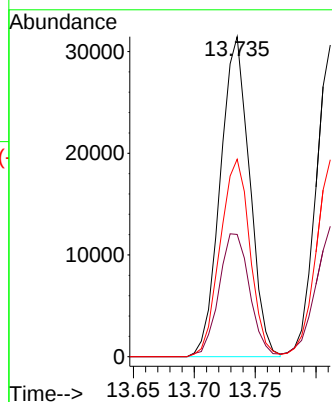
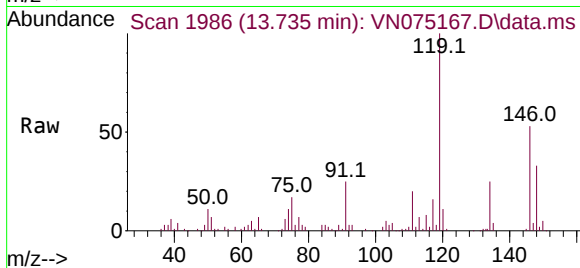
Tgt Ion:146 Resp: 52592

Ion Ratio Lower Upper

146 100

111 40.4 20.8 62.5

148 63.0 31.1 93.5



#88

1,4-Dichlorobenzene

Concen: 20.043 ug/l

RT: 13.812 min Scan# 1999

Delta R.T. -0.000 min

Lab File: VN075167.D

Acq: 04 Nov 2022 11:53

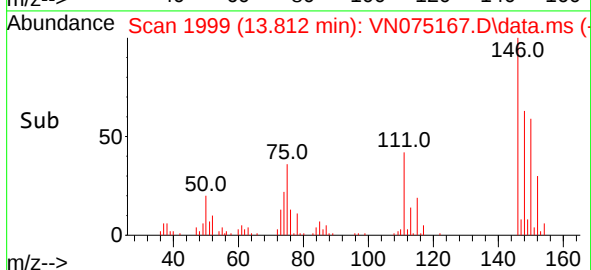
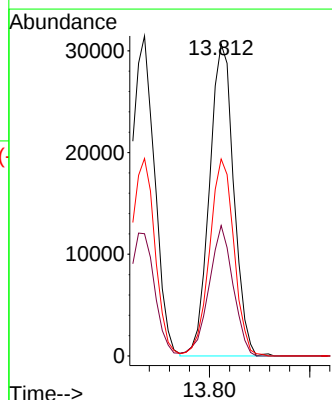
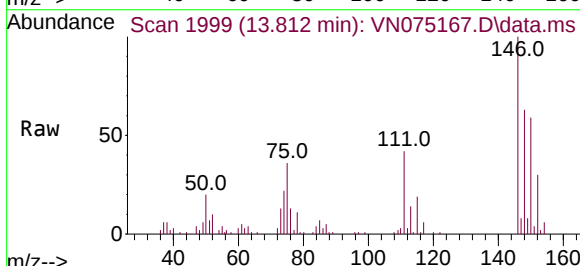
Tgt Ion:146 Resp: 51662

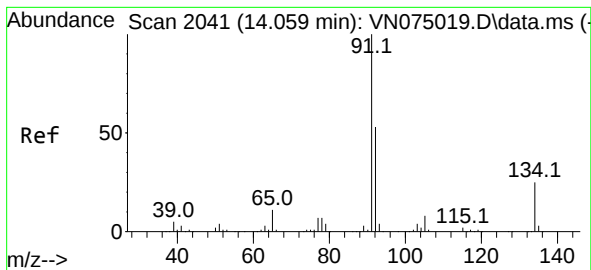
Ion Ratio Lower Upper

146 100

111 41.4 20.1 60.3

148 63.5 31.9 95.7





#89

n-Butylbenzene

Concen: 20.016 ug/l

RT: 14.059 min Scan# 2041

Delta R.T. -0.000 min

Lab File: VN075167.D

Acq: 04 Nov 2022 11:53

Instrument :

MSVOA\_N

ClientSampleId :

VN1104WBS01

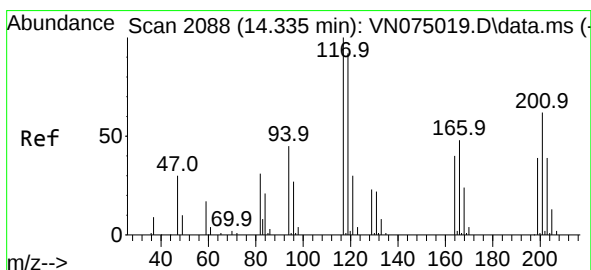
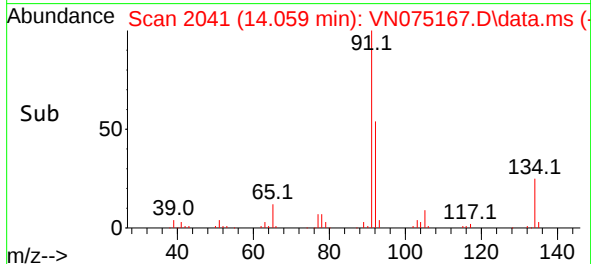
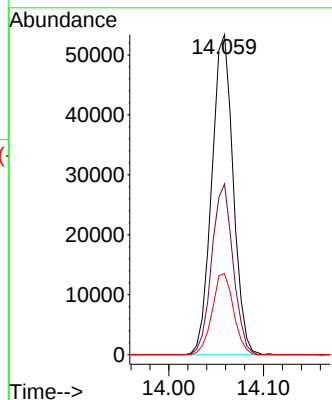
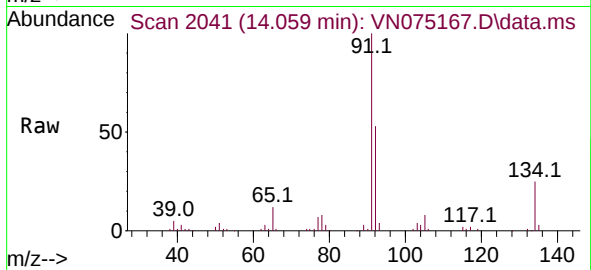
Tgt Ion: 91 Resp: 83961

Ion Ratio Lower Upper

91 100

92 53.1 26.5 79.4

134 25.4 13.0 39.0



#90

Hexachloroethane

Concen: 19.033 ug/l

RT: 14.329 min Scan# 2087

Delta R.T. -0.006 min

Lab File: VN075167.D

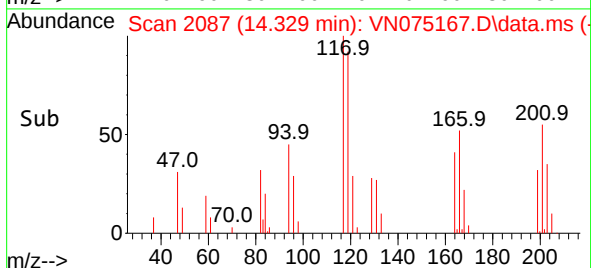
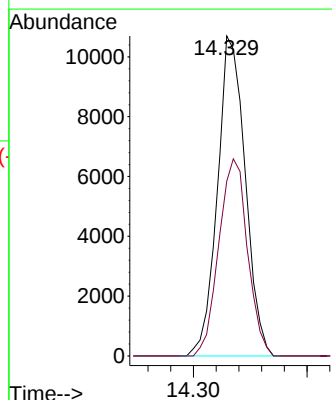
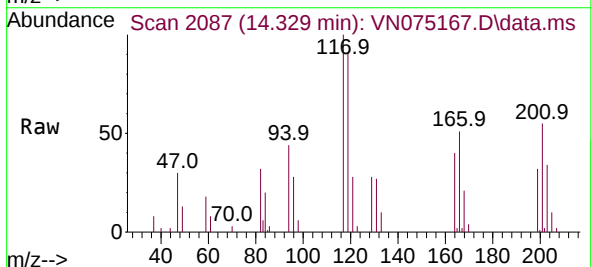
Acq: 04 Nov 2022 11:53

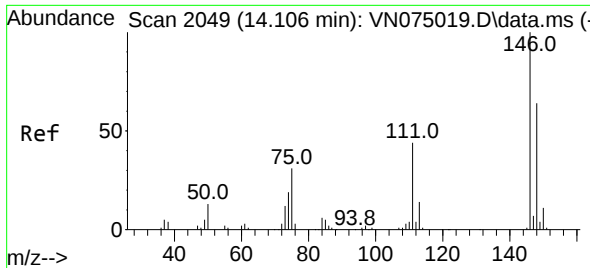
Tgt Ion: 117 Resp: 18178

Ion Ratio Lower Upper

117 100

201 63.5 31.5 94.5

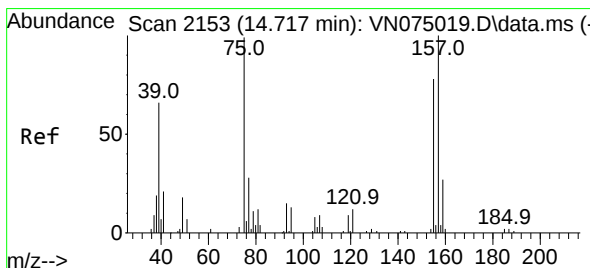
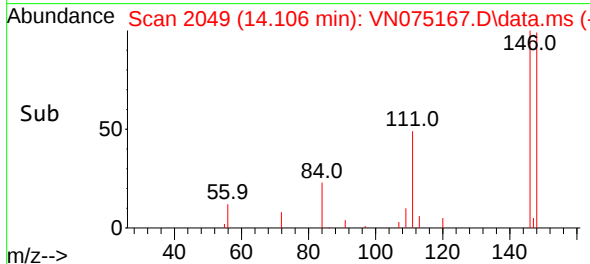
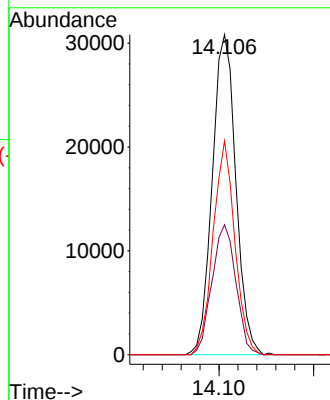
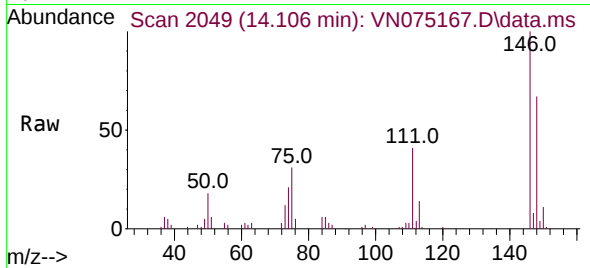




#91  
1,2-Dichlorobenzene  
Concen: 20.582 ug/l  
RT: 14.106 min Scan# 2049  
Delta R.T. -0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

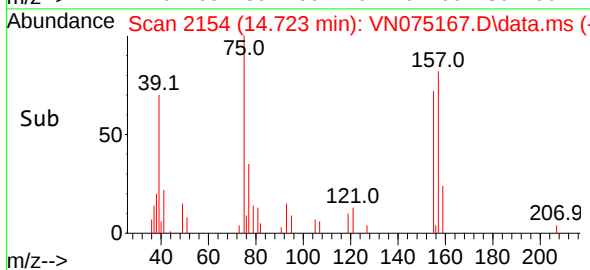
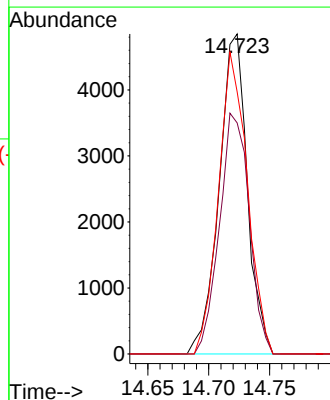
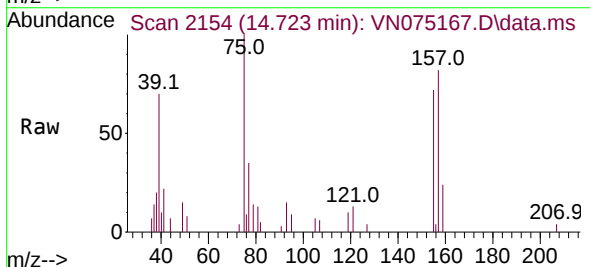
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBS01

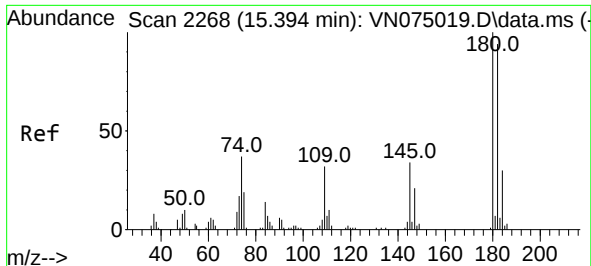
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:146 | Resp: | 53292       |
| Ion         | Ratio | Lower Upper |
| 146         | 100   |             |
| 111         | 41.2  | 21.3 63.9   |
| 148         | 61.6  | 31.4 94.2   |



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 19.141 ug/l  
RT: 14.723 min Scan# 2154  
Delta R.T. 0.006 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 75 | Resp: | 7800        |
| Ion         | Ratio | Lower Upper |
| 75          | 100   |             |
| 155         | 79.4  | 42.1 126.3  |
| 157         | 96.5  | 51.7 155.1  |

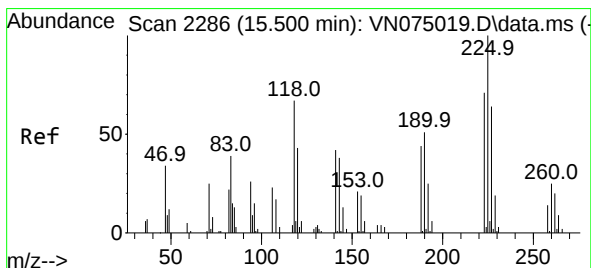
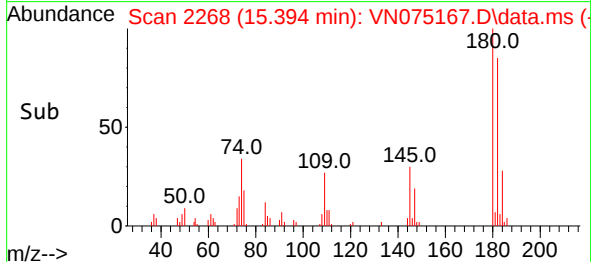
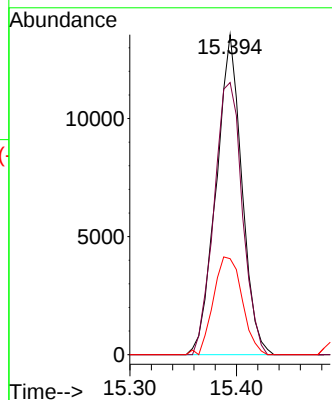
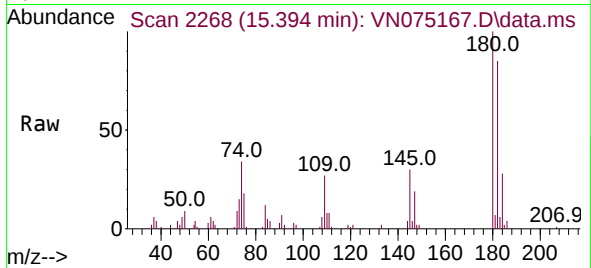




#93  
1,2,4-Trichlorobenzene  
Concen: 20.337 ug/l  
RT: 15.394 min Scan# 2268  
Delta R.T. -0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

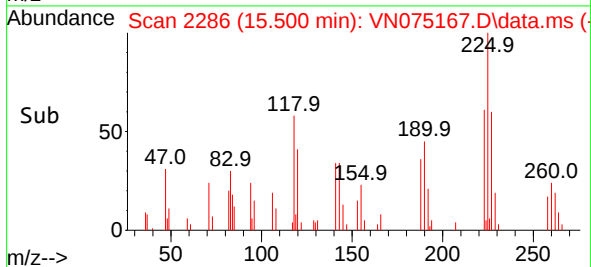
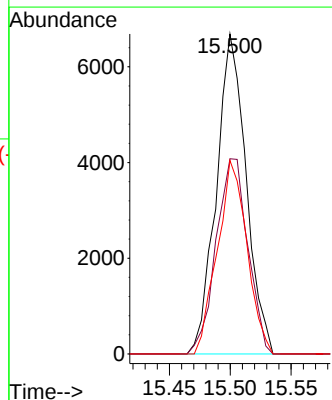
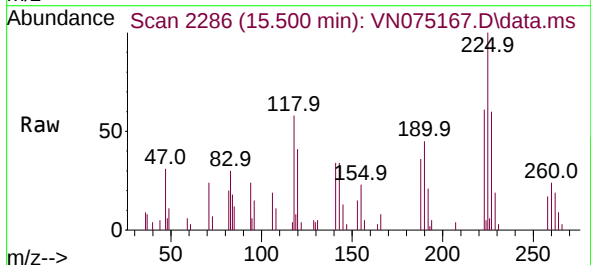
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBS01

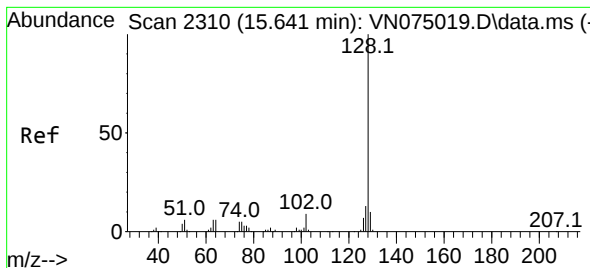
Tgt Ion:180 Resp: 22659  
Ion Ratio Lower Upper  
180 100  
182 93.8 47.8 143.4  
145 34.2 16.8 50.3



#94  
Hexachlorobutadiene  
Concen: 20.913 ug/l  
RT: 15.500 min Scan# 2286  
Delta R.T. -0.000 min  
Lab File: VN075167.D  
Acq: 04 Nov 2022 11:53

Tgt Ion:225 Resp: 11359  
Ion Ratio Lower Upper  
225 100  
223 65.1 32.3 96.9  
227 60.2 32.0 96.2





#95

Naphthalene

Concen: 19.091 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. -0.000 min

Lab File: VN075167.D

Acq: 04 Nov 2022 11:53

Instrument :

MSVOA\_N

ClientSampleId :

VN1104WBS01

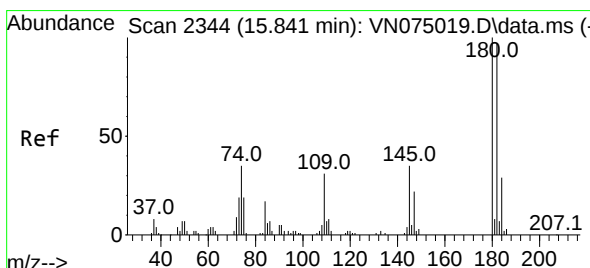
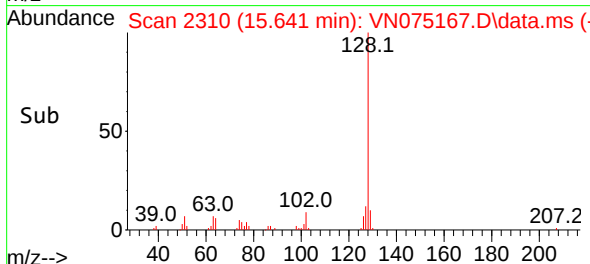
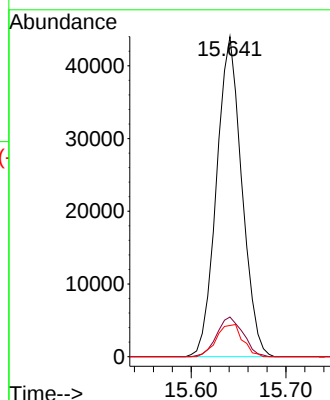
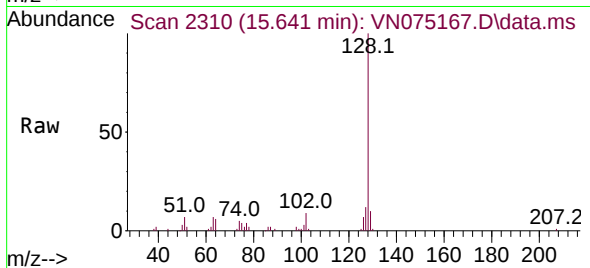
Tgt Ion:128 Resp: 81801

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.4 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 20.315 ug/l

RT: 15.841 min Scan# 2344

Delta R.T. -0.000 min

Lab File: VN075167.D

Acq: 04 Nov 2022 11:53

Tgt Ion:180 Resp: 22490

Ion Ratio Lower Upper

180 100

182 95.2 47.3 141.8

145 34.6 17.6 52.9

