

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112421\  
 Data File : VN069647.D  
 Acq On : 24 Nov 2021 17:22  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Nov 26 07:01:38 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110921W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 09 18:18:22 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.086  | 168  | 1150498  | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.968  | 114  | 1891471  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.744 | 117  | 1795219  | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.675 | 152  | 812045   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.437  | 65    | 806858   | 48.368   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =    | 96.740%  |
| 35) Dibromofluoromethane    | 8.021  | 113   | 567952   | 50.065   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =    | 100.140% |
| 50) Toluene-d8              | 10.440 | 98    | 2188244  | 49.045   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =    | 98.100%  |
| 62) 4-Bromofluorobenzene    | 12.731 | 95    | 860697   | 52.512   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =    | 105.020% |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         | Qvalue  |        |     |
| 2) Dichlorodifluoromethane   | 2.073 | 85  | 551422  | 44.863  | ug/l   | 100 |
| 3) Chloromethane             | 2.303 | 50  | 602548  | 42.271  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.448 | 62  | 612009  | 42.879  | ug/l   | 98  |
| 5) Bromomethane              | 2.840 | 94  | 325815  | 35.149  | ug/l   | 98  |
| 6) Chloroethane              | 3.014 | 64  | 393417  | 40.837  | ug/l   | 99  |
| 7) Trichlorofluoromethane    | 3.373 | 101 | 915937  | 41.522  | ug/l   | 97  |
| 8) Diethyl Ether             | 3.821 | 74  | 368645  | 51.653  | ug/l   | 86  |
| 9) 1,1,2-Trichlorotrifluo... | 4.208 | 101 | 540443  | 52.011  | ug/l   | 97  |
| 10) Methyl Iodide            | 4.419 | 142 | 643232  | 50.470  | ug/l   | 99  |
| 11) Tert butyl alcohol       | 5.377 | 59  | 689877  | 229.503 | ug/l   | 99  |
| 12) 1,1-Dichloroethene       | 4.181 | 96  | 463093  | 49.663  | ug/l   | 91  |
| 13) Acrolein                 | 4.041 | 56  | 95371   | 223.345 | ug/l   | 97  |
| 14) Allyl chloride           | 4.840 | 41  | 1064006 | 51.610  | ug/l   | 94  |
| 15) Acrylonitrile            | 5.554 | 53  | 2014304 | 261.675 | ug/l   | 99  |
| 16) Acetone                  | 4.285 | 43  | 2074683 | 230.509 | ug/l   | 97  |
| 17) Carbon Disulfide         | 4.527 | 76  | 833376  | 37.809  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.854 | 43  | 1447912 | 49.489  | ug/l   | 93  |
| 19) Methyl tert-butyl Ether  | 5.616 | 73  | 2142369 | 54.288  | ug/l   | 98  |
| 20) Methylene Chloride       | 5.095 | 84  | 618291  | 48.445  | ug/l # | 86  |
| 21) trans-1,2-Dichloroethene | 5.597 | 96  | 510387  | 49.004  | ug/l   | 88  |
| 22) Diisopropyl ether        | 6.495 | 45  | 2432256 | 54.769  | ug/l   | 95  |
| 23) Vinyl Acetate            | 6.434 | 43  | 9322358 | 271.409 | ug/l   | 95  |
| 24) 1,1-Dichloroethane       | 6.388 | 63  | 1197889 | 52.958  | ug/l   | 98  |
| 25) 2-Butanone               | 7.335 | 43  | 3046178 | 249.946 | ug/l   | 92  |
| 26) 2,2-Dichloropropane      | 7.327 | 77  | 915131  | 51.709  | ug/l   | 96  |
| 27) cis-1,2-Dichloroethene   | 7.327 | 96  | 680470  | 52.705  | ug/l   | 88  |
| 28) Bromochloromethane       | 7.657 | 49  | 592310  | 51.133  | ug/l # | 82  |
| 29) Tetrahydrofuran          | 7.683 | 42  | 1884043 | 251.909 | ug/l   | 90  |
| 30) Chloroform               | 7.817 | 83  | 1248048 | 53.820  | ug/l   | 100 |
| 31) Cyclohexane              | 8.094 | 56  | 1021688 | 44.830  | ug/l   | 91  |
| 32) 1,1,1-Trichloroethane    | 8.013 | 97  | 1023584 | 52.881  | ug/l   | 96  |
| 36) 1,1-Dichloropropene      | 8.220 | 75  | 830760  | 52.198  | ug/l   | 97  |
| 37) Ethyl Acetate            | 7.412 | 43  | 1142187 | 53.090  | ug/l   | 96  |
| 38) Carbon Tetrachloride     | 8.206 | 117 | 827424  | 53.849  | ug/l   | 100 |
| 39) Methylcyclohexane        | 9.459 | 83  | 994705  | 50.241  | ug/l   | 91  |
| 40) Benzene                  | 8.458 | 78  | 2579855 | 52.515  | ug/l   | 99  |

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 Sample : VSTDCCC050  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Nov 26 07:01:38 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110921W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 09 18:18:22 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.635  | 41   | 611809   | 55.035  | ug/l   | 89       |
| 42) 1,2-Dichloroethane        | 8.531  | 62   | 1058281  | 55.017  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.560  | 43   | 1892247  | 54.758  | ug/l # | 94       |
| 44) Trichloroethene           | 9.215  | 130  | 631206   | 53.687  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.488  | 63   | 736609   | 56.122  | ug/l   | 99       |
| 46) Dibromomethane            | 9.577  | 93   | 467557   | 53.184  | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.762  | 83   | 928678   | 56.610  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.558  | 41   | 869446   | 53.477  | ug/l   | 91       |
| 49) 1,4-Dioxane               | 9.569  | 88   | 290253   | 904.720 | ug/l # | 85       |
| 51) 4-Methyl-2-Pentanone      | 10.330 | 43   | 6163619  | 276.328 | ug/l   | 96       |
| 52) Toluene                   | 10.505 | 92   | 1624809  | 53.090  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.719 | 75   | 986662   | 48.974  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.188 | 75   | 1064336  | 50.072  | ug/l # | 89       |
| 55) 1,1,2-Trichloroethane     | 10.896 | 97   | 693136   | 56.184  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.760 | 69   | 1176971  | 50.598  | ug/l   | 88       |
| 57) 1,3-Dichloropropane       | 11.044 | 76   | 1199676  | 55.339  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.041 | 63   | 1215578  | 207.590 | ug/l   | 92       |
| 59) 2-Hexanone                | 11.084 | 43   | 4399308  | 234.112 | ug/l   | 93       |
| 60) Dibromochloromethane      | 11.237 | 129  | 675242   | 49.874  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.344 | 107  | 689659   | 50.082  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.977 | 164  | 571054   | 52.682  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.771 | 112  | 1801965  | 53.927  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.840 | 131  | 660229   | 56.964  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.843 | 91   | 3333320  | 54.087  | ug/l   | 96       |
| 68) m/p-Xylenes               | 11.953 | 106  | 2445360  | 107.886 | ug/l   | 93       |
| 69) o-Xylene                  | 12.280 | 106  | 1245839  | 55.134  | ug/l   | 93       |
| 70) Styrene                   | 12.294 | 104  | 2045571  | 50.407  | ug/l   | 96       |
| 71) Bromoform                 | 12.457 | 173  | 482110   | 48.049  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.578 | 105  | 3332305  | 51.539  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.388 | 43   | 1425413  | 52.021  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 12.827 | 83   | 1108656  | 50.841  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.881 | 75   | 1342437  | 71.634  | ug/l # | 1        |
| 77) Bromobenzene              | 12.860 | 156  | 774931   | 52.407  | ug/l   | 81       |
| 78) n-propylbenzene           | 12.919 | 91   | 3843562  | 52.831  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 13.007 | 91   | 2350744  | 52.186  | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene    | 13.058 | 105  | 2746435  | 52.544  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.626 | 75   | 275387   | 44.467  | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 13.104 | 91   | 2290701  | 53.345  | ug/l   | 93       |
| 83) tert-Butylbenzene         | 13.324 | 119  | 2447329  | 53.430  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 13.366 | 105  | 2695871  | 53.426  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.501 | 105  | 3433346  | 53.659  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.616 | 119  | 2762193  | 54.381  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 13.616 | 146  | 1349990  | 52.659  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.694 | 146  | 1302327  | 51.782  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.943 | 91   | 2293224  | 54.140  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.209 | 117  | 455608   | 48.851  | ug/l   | 85       |
| 91) 1,2-Dichlorobenzene       | 13.986 | 146  | 1305169  | 53.502  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.603 | 75   | 187713   | 46.433  | ug/l   | 80       |
| 93) 1,2,4-Trichlorobenzene    | 15.263 | 180  | 610099   | 47.872  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.370 | 225  | 355754   | 56.125  | ug/l   | 98       |
| 95) Naphthalene               | 15.507 | 128  | 1618319  | 45.348  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.700 | 180  | 589338   | 48.330  | ug/l   | 98       |

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Sample : VSTDCCC050  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Nov 26 07:01:38 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110921W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 09 18:18:22 2021  
Response via : Initial Calibration

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

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

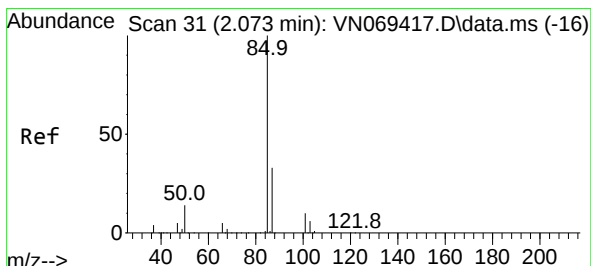
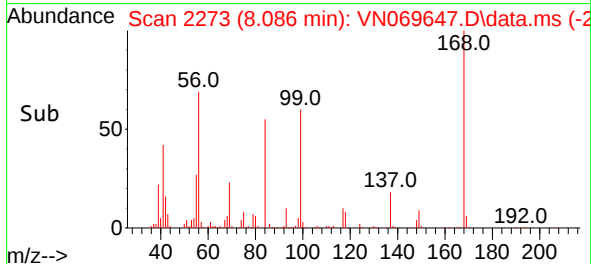
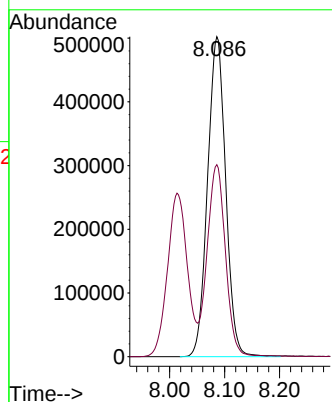
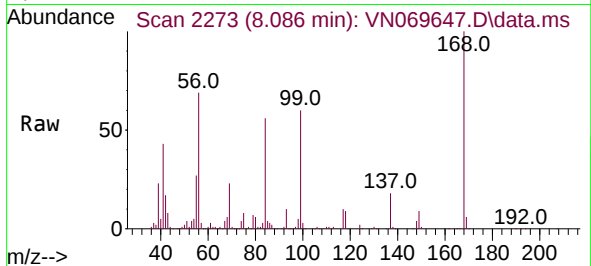




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.086 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

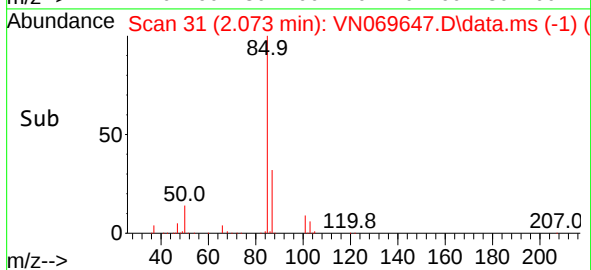
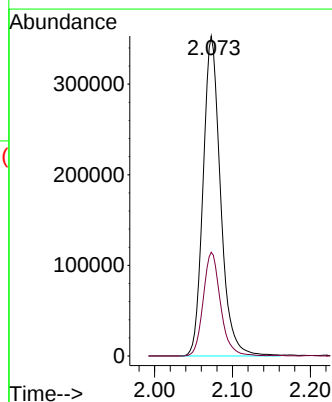
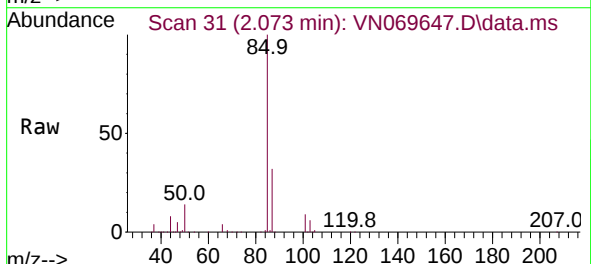
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion:168 Resp: 1150498  
Ion Ratio Lower Upper  
168 100  
99 59.7 41.3 61.9



#2  
Dichlorodifluoromethane  
Concen: 44.863 ug/l  
RT: 2.073 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

Tgt Ion: 85 Resp: 551422  
Ion Ratio Lower Upper  
85 100  
87 32.4 16.3 48.9

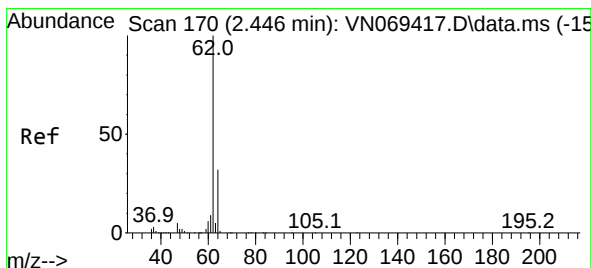
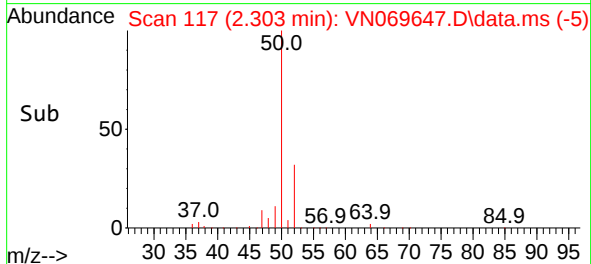
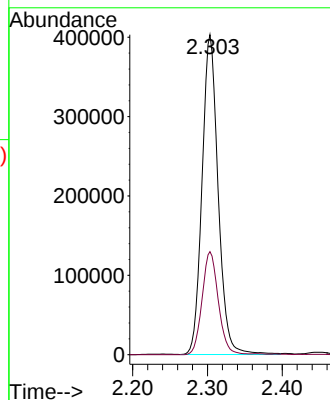
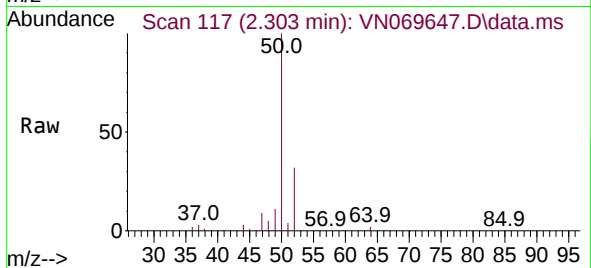




#3  
Chloromethane  
Concen: 42.271 ug/l  
RT: 2.303 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

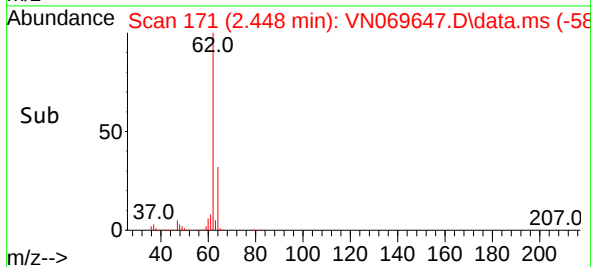
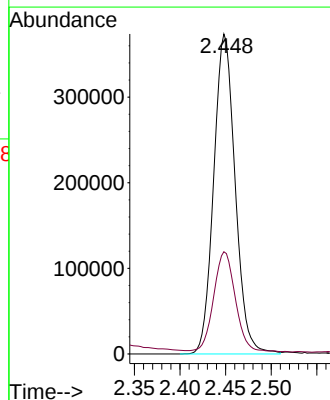
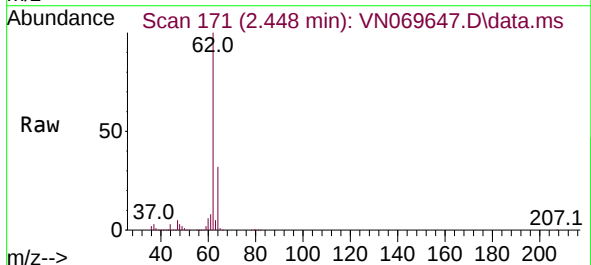
Instrument :  
MSVOA\_N  
ClientSampleId :

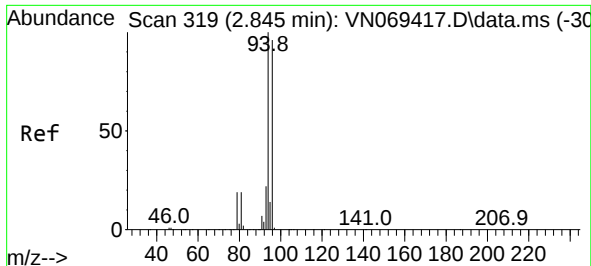
Tgt Ion: 50 Resp: 602548  
Ion Ratio Lower Upper  
50 100  
52 32.2 25.4 38.0



#4  
Vinyl Chloride  
Concen: 42.879 ug/l  
RT: 2.448 min Scan# 171  
Delta R.T. 0.002 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

Tgt Ion: 62 Resp: 612009  
Ion Ratio Lower Upper  
62 100  
64 31.2 25.8 38.6

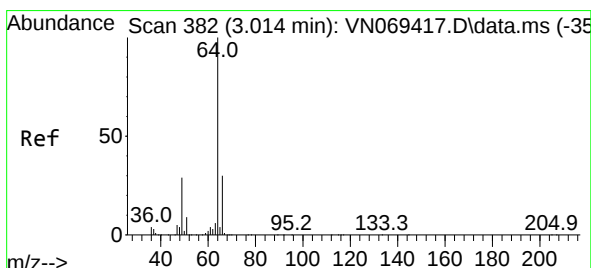
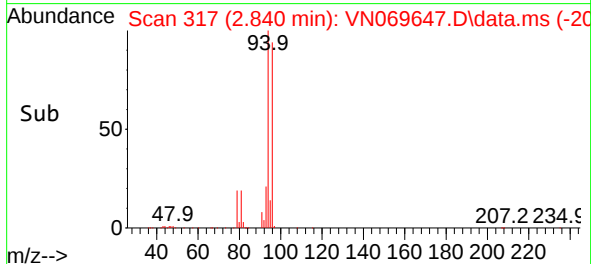
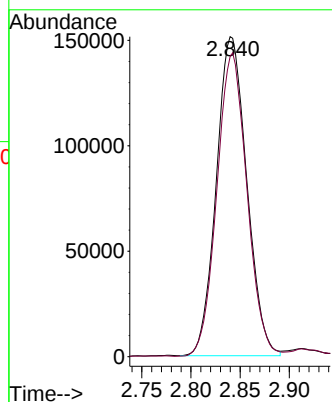
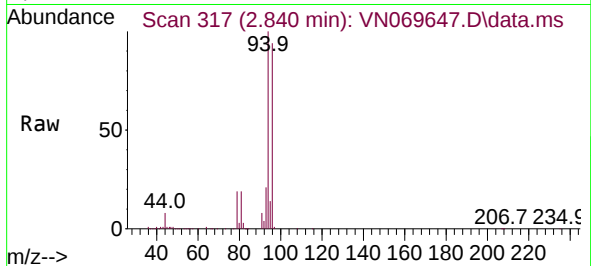




#5  
Bromomethane  
Concen: 35.149 ug/l  
RT: 2.840 min Scan# 319  
Delta R.T. -0.005 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

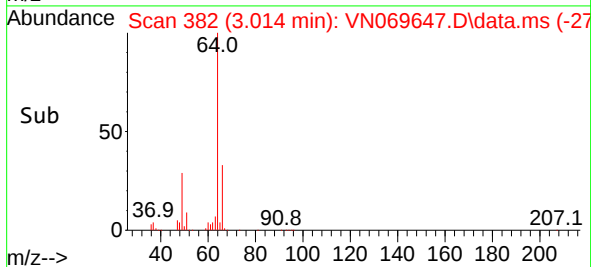
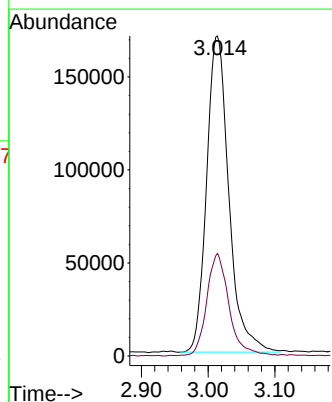
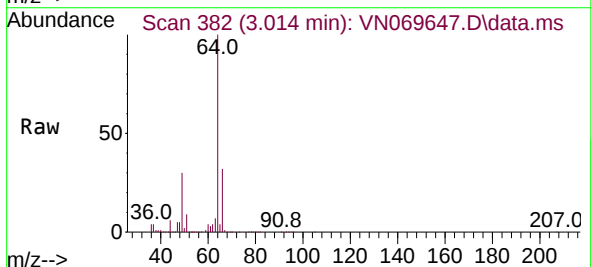
Instrument :  
MSVOA\_N  
ClientSampleId :

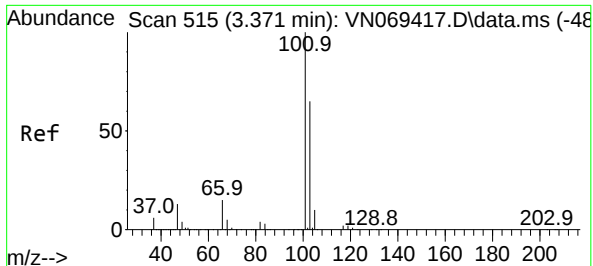
Tgt Ion: 94 Resp: 325815  
Ion Ratio Lower Upper  
94 100  
96 93.9 73.8 110.8



#6  
Chloroethane  
Concen: 40.837 ug/l  
RT: 3.014 min Scan# 382  
Delta R.T. 0.000 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

Tgt Ion: 64 Resp: 393417  
Ion Ratio Lower Upper  
64 100  
66 32.2 26.3 39.5

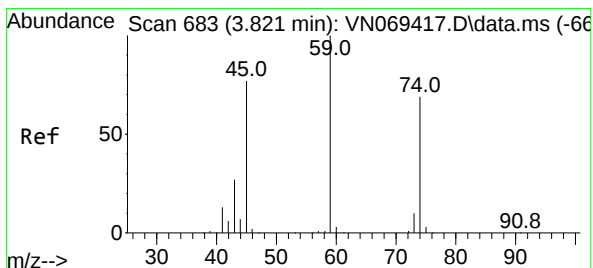
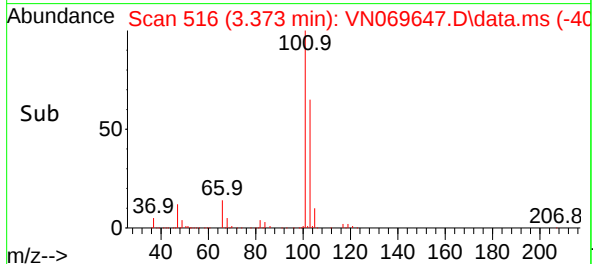
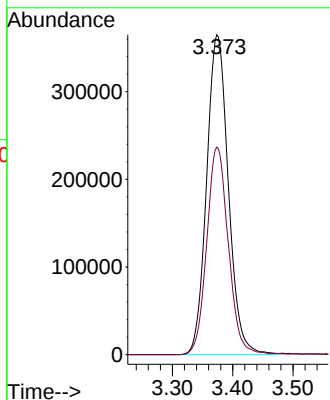
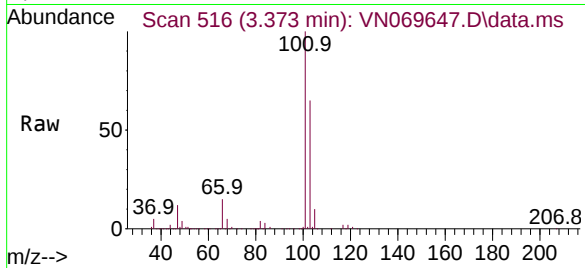




#7  
 Trichlorofluoromethane  
 Concen: 41.522 ug/l  
 RT: 3.373 min Scan# 515  
 Delta R.T. 0.002 min  
 Lab File: VN069647.D  
 Acq: 24 Nov 2021 17:22

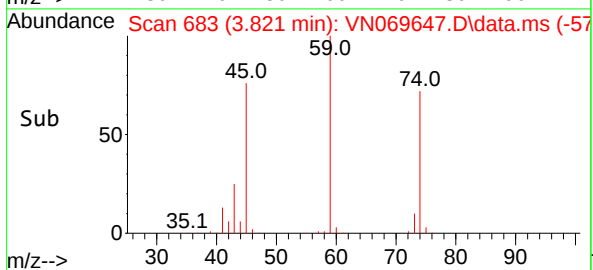
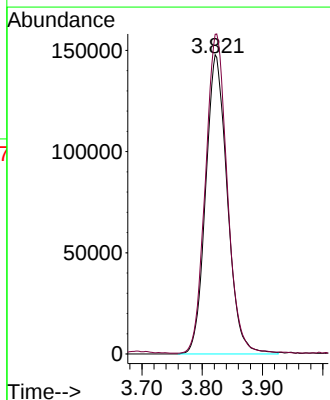
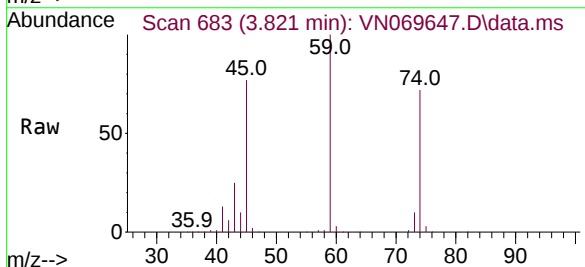
Instrument :  
 MSVOA\_N  
 ClientSampleId :

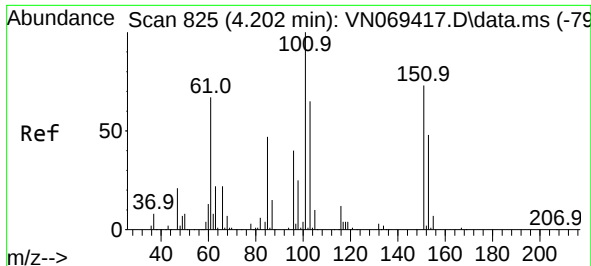
Tgt Ion:101 Resp: 915937  
 Ion Ratio Lower Upper  
 101 100  
 103 64.8 50.1 75.1



#8  
 Diethyl Ether  
 Concen: 51.653 ug/l  
 RT: 3.821 min Scan# 683  
 Delta R.T. 0.000 min  
 Lab File: VN069647.D  
 Acq: 24 Nov 2021 17:22

Tgt Ion: 74 Resp: 368645  
 Ion Ratio Lower Upper  
 74 100  
 45 107.5 47.0 141.2

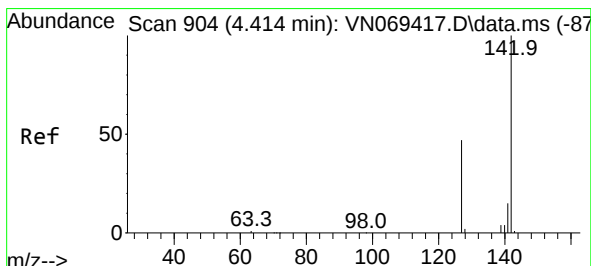
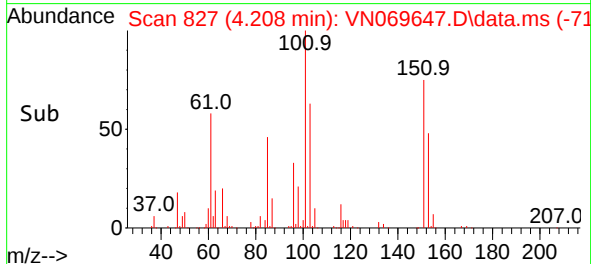
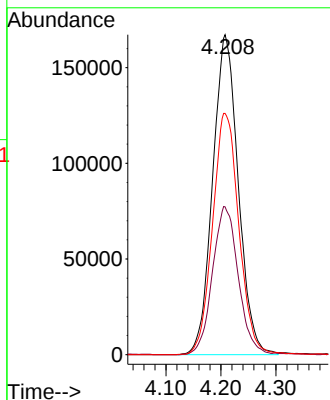
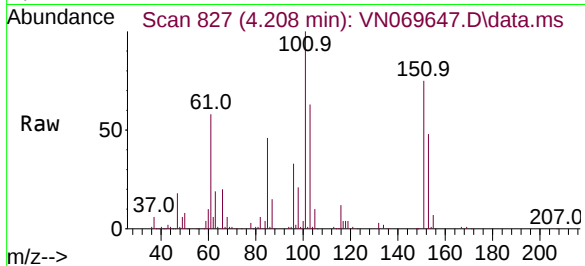




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 52.011 ug/l  
RT: 4.208 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

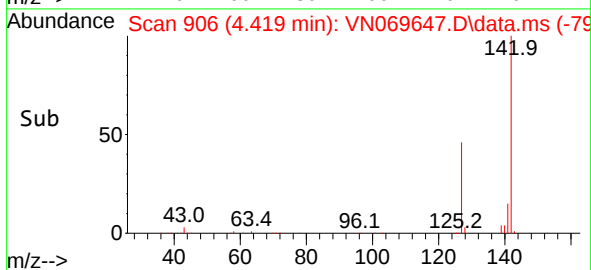
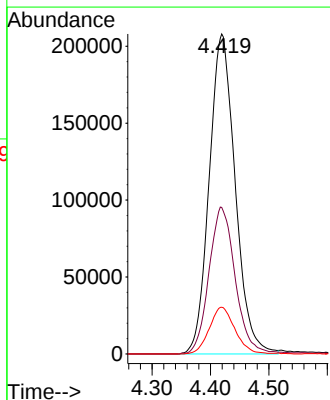
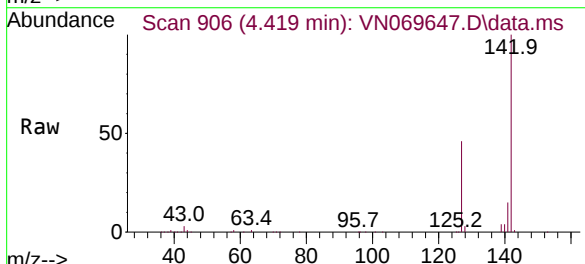
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion:101 Resp: 540443  
Ion Ratio Lower Upper  
101 100  
85 46.6 37.2 55.8  
151 77.8 65.9 98.9



#10  
Methyl Iodide  
Concen: 50.470 ug/l  
RT: 4.419 min Scan# 906  
Delta R.T. 0.005 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

Tgt Ion:142 Resp: 643232  
Ion Ratio Lower Upper  
142 100  
127 45.4 35.4 53.0  
141 14.5 11.6 17.4





#11

Tert butyl alcohol

Concen: 229.503 ug/l

RT: 5.377 min Scan# 11

Delta R.T. -0.008 min

Lab File: VN069647.D

Acq: 24 Nov 2021 17:22

Instrument :

MSVOA\_N

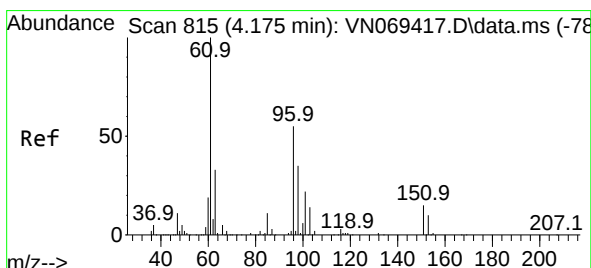
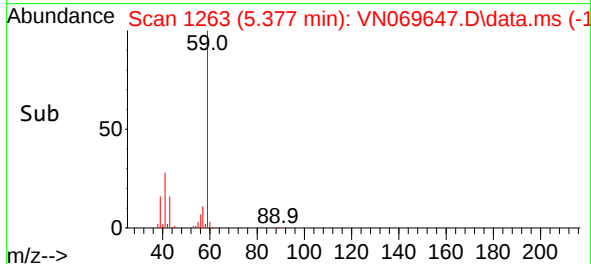
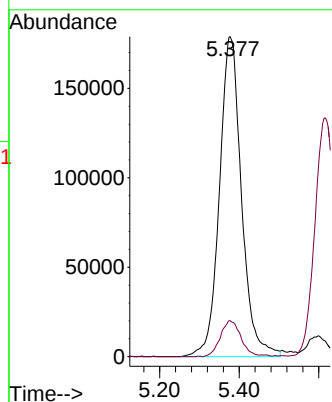
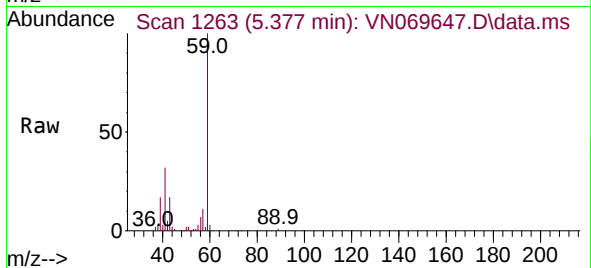
ClientSampleId :

Tgt Ion: 59 Resp: 689877

Ion Ratio Lower Upper

59 100

57 10.4 8.7 13.1



#12

1,1-Dichloroethene

Concen: 49.663 ug/l

RT: 4.181 min Scan# 817

Delta R.T. 0.006 min

Lab File: VN069647.D

Acq: 24 Nov 2021 17:22

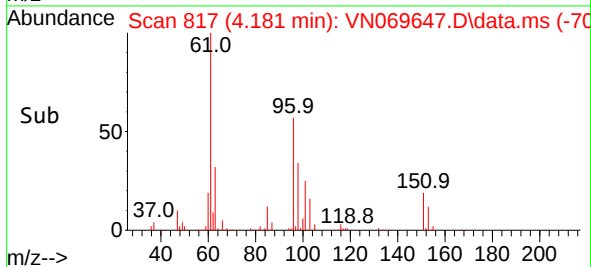
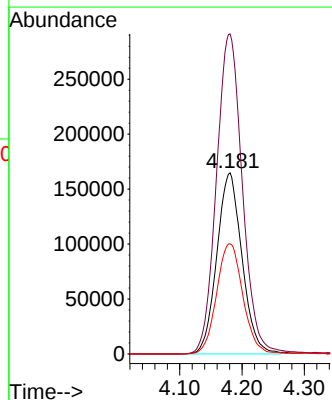
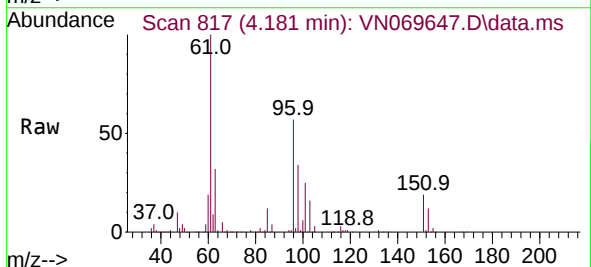
Tgt Ion: 96 Resp: 463093

Ion Ratio Lower Upper

96 100

61 176.7 131.0 196.6

98 60.8 52.4 78.6

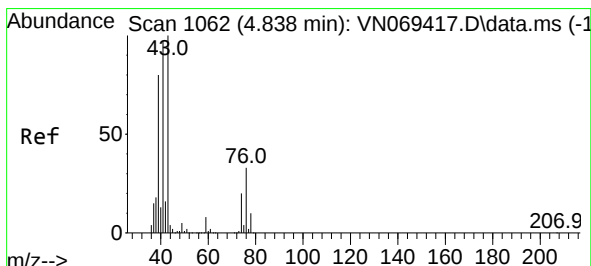
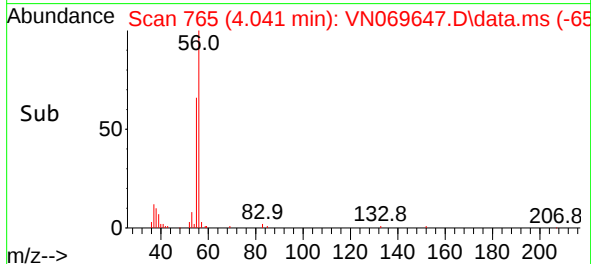
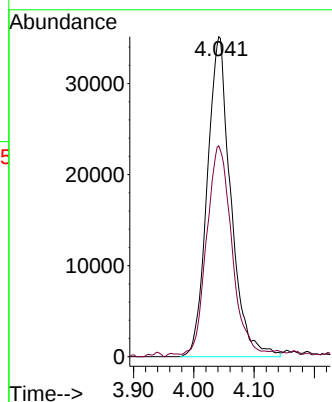
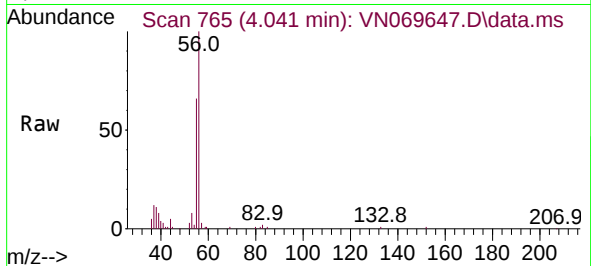




#13  
Acrolein  
Concen: 223.345 ug/l  
RT: 4.041 min Scan# 765  
Delta R.T. 0.000 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

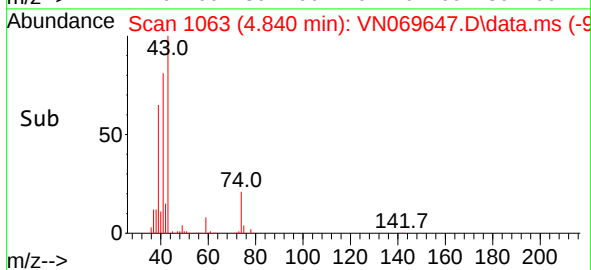
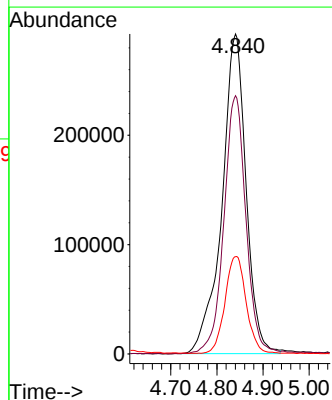
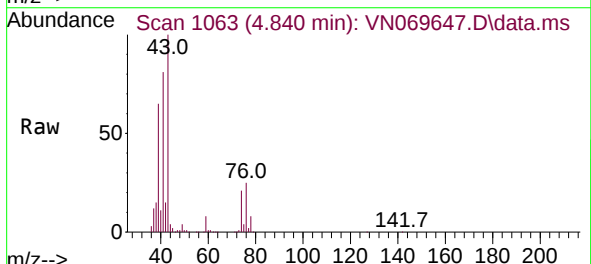
Instrument :  
MSVOA\_N  
ClientSampleId :

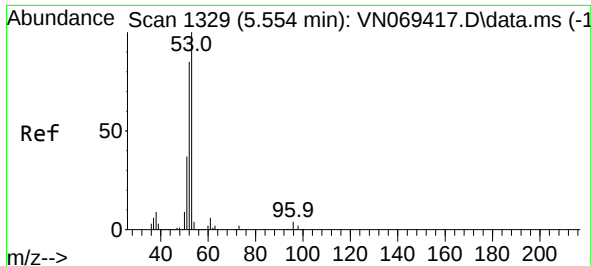
Tgt Ion: 56 Resp: 95371  
Ion Ratio Lower Upper  
56 100  
55 68.5 56.6 85.0



#14  
Allyl chloride  
Concen: 51.610 ug/l  
RT: 4.840 min Scan# 1063  
Delta R.T. 0.002 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

Tgt Ion: 41 Resp: 1064006  
Ion Ratio Lower Upper  
41 100  
39 73.3 61.2 91.8  
76 26.4 26.0 39.0

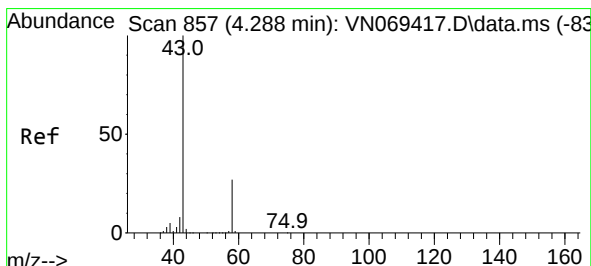
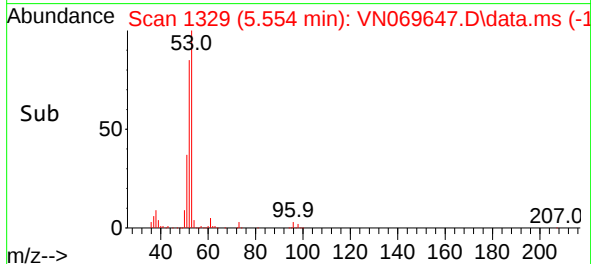
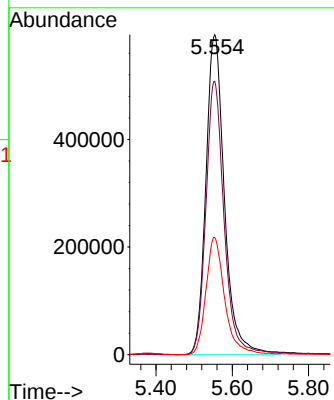
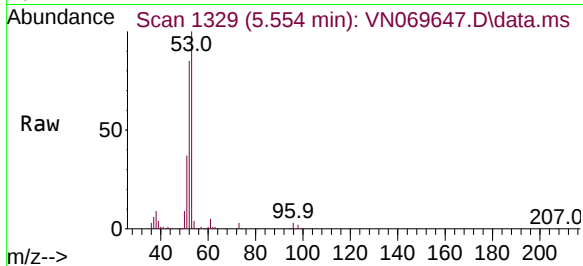




#15  
Acrylonitrile  
Concen: 261.675 ug/l  
RT: 5.554 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

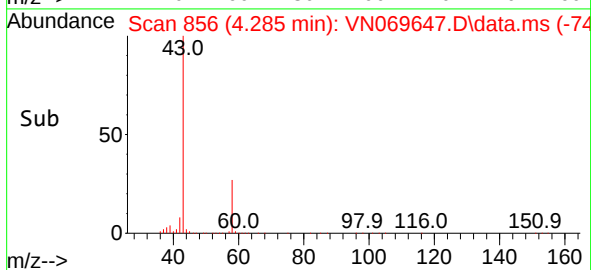
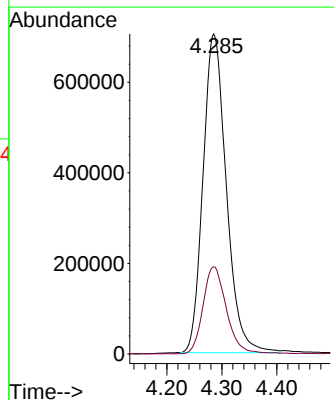
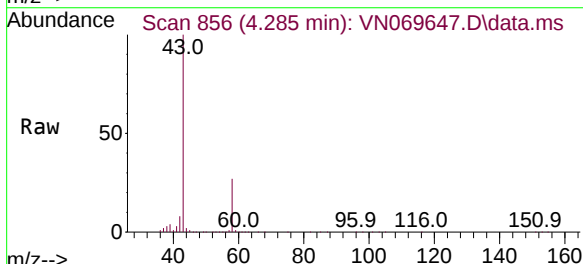
Instrument :  
MSVOA\_N  
ClientSampleId :

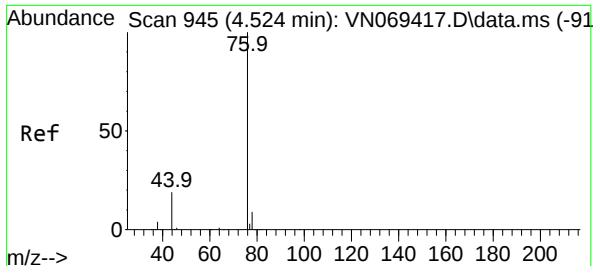
Tgt Ion: 53 Resp: 2014304  
Ion Ratio Lower Upper  
53 100  
52 83.5 66.2 99.2  
51 37.0 29.6 44.4



#16  
Acetone  
Concen: 230.509 ug/l  
RT: 4.285 min Scan# 856  
Delta R.T. -0.003 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

Tgt Ion: 43 Resp: 2074683  
Ion Ratio Lower Upper  
43 100  
58 27.3 23.1 34.7

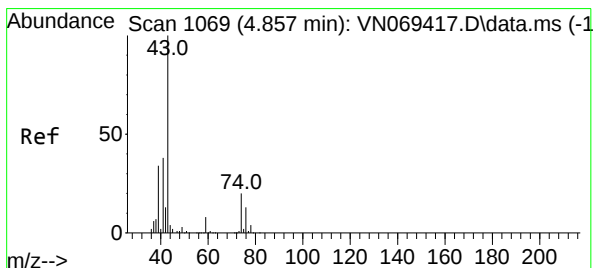
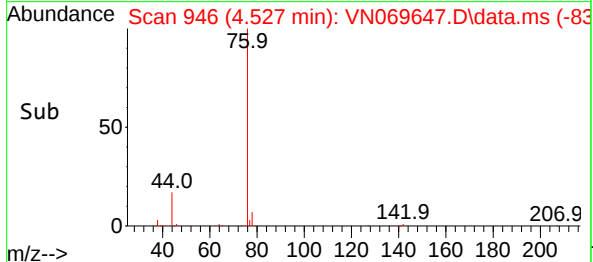
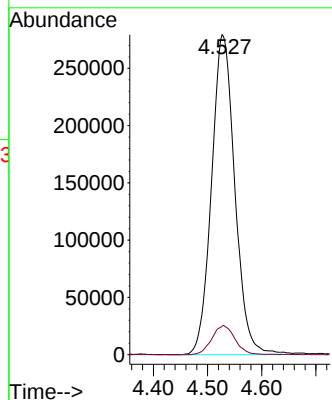
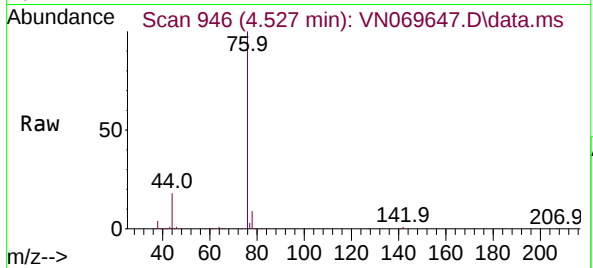




#17  
Carbon Disulfide  
Concen: 37.809 ug/l  
RT: 4.527 min Scan# 945  
Delta R.T. 0.003 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

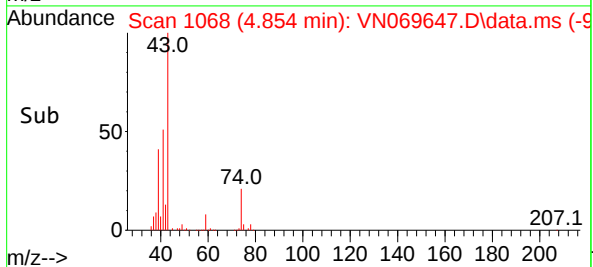
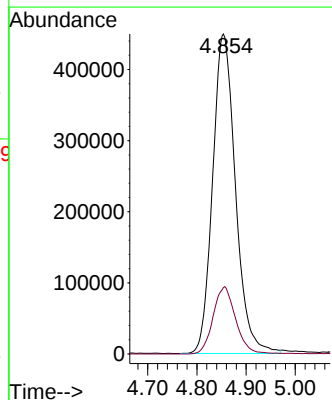
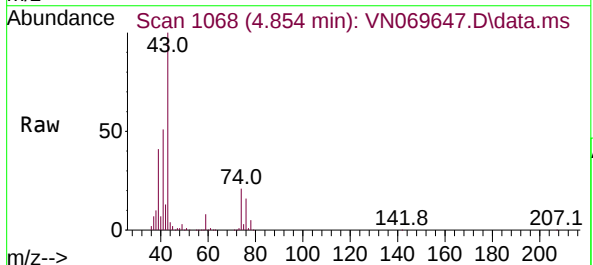
Instrument :  
MSVOA\_N  
ClientSampleId :

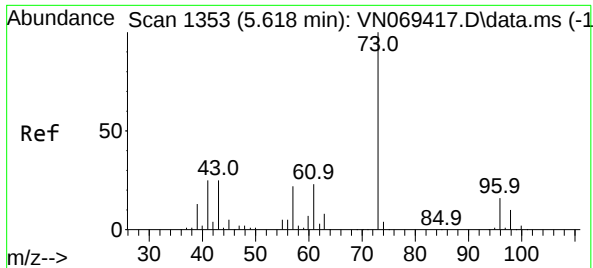
Tgt Ion: 76 Resp: 833376  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.5 11.3



#18  
Methyl Acetate  
Concen: 49.489 ug/l  
RT: 4.854 min Scan# 1068  
Delta R.T. -0.003 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

Tgt Ion: 43 Resp: 1447912  
Ion Ratio Lower Upper  
43 100  
74 20.7 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 54.288 ug/l

RT: 5.616 min Scan# 11

Delta R.T. -0.002 min

Lab File: VN069647.D

Acq: 24 Nov 2021 17:22

Instrument :

MSVOA\_N

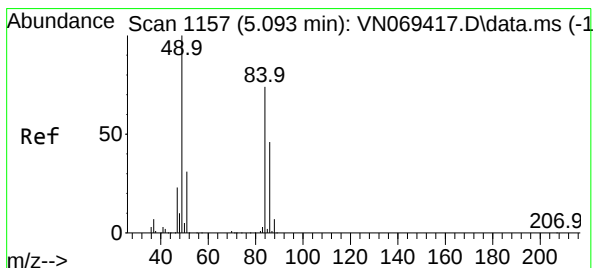
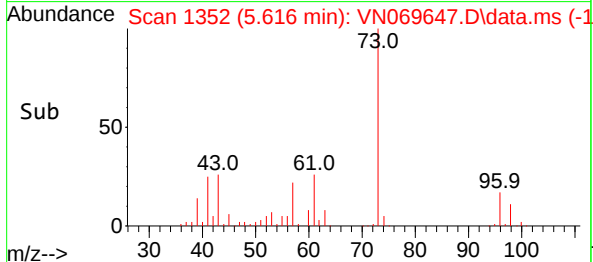
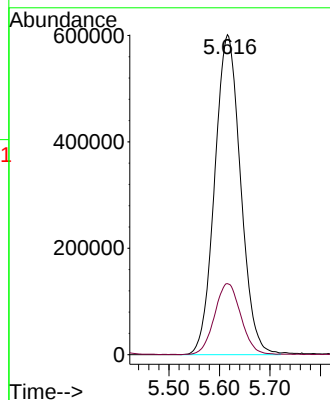
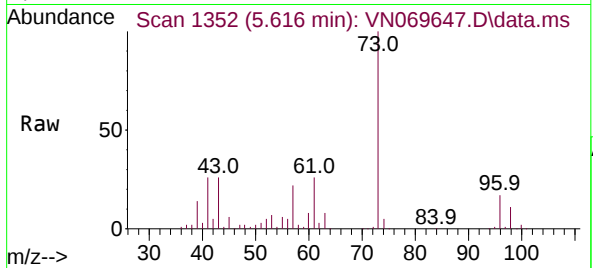
ClientSampleId :

Tgt Ion: 73 Resp: 2142369

Ion Ratio Lower Upper

73 100

57 22.1 16.8 25.2



#20

Methylene Chloride

Concen: 48.445 ug/l

RT: 5.095 min Scan# 1158

Delta R.T. 0.002 min

Lab File: VN069647.D

Acq: 24 Nov 2021 17:22

Tgt Ion: 84 Resp: 618291

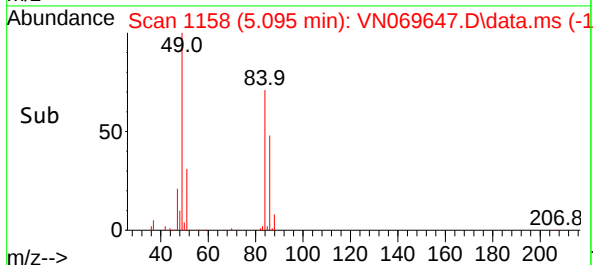
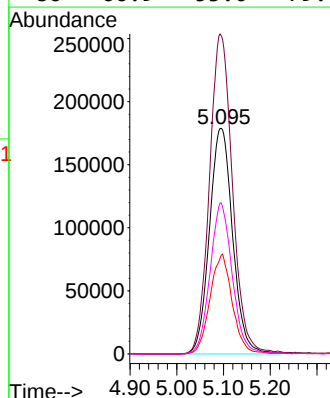
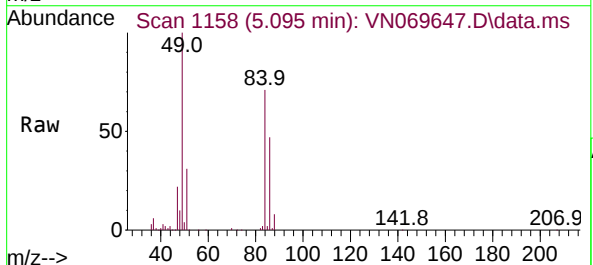
Ion Ratio Lower Upper

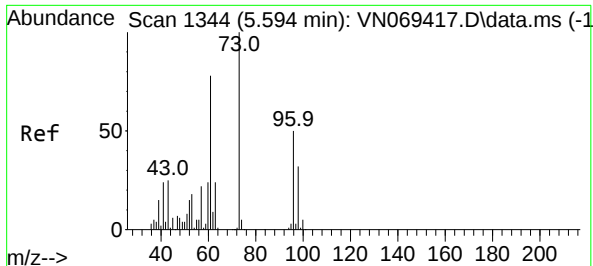
84 100

49 141.0 93.5 140.3#

51 43.8 29.4 44.2

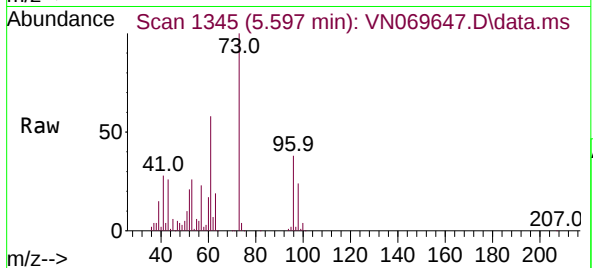
86 66.9 53.0 79.4



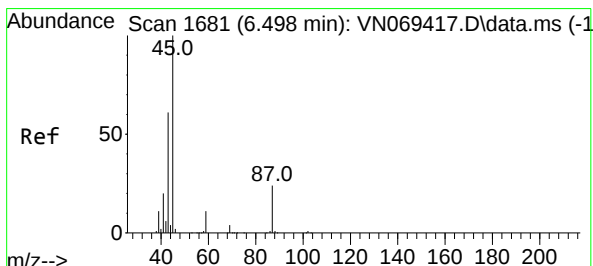
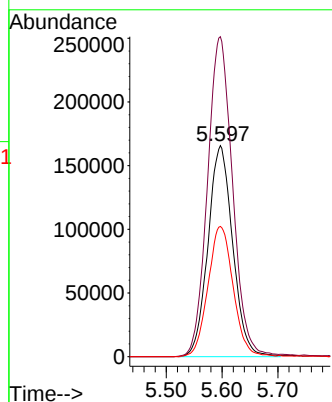
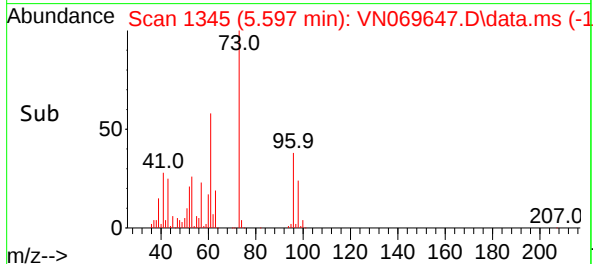


#21  
trans-1,2-Dichloroethene  
Concen: 49.004 ug/l  
RT: 5.597 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

Instrument :  
MSVOA\_N  
ClientSampleId :

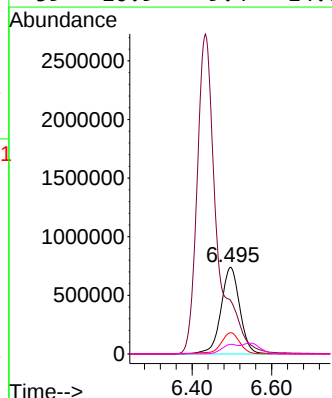
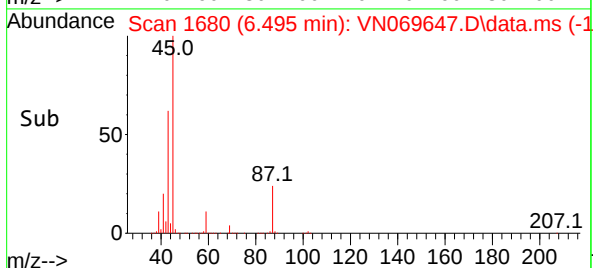
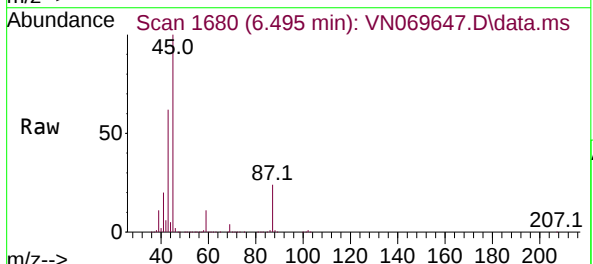


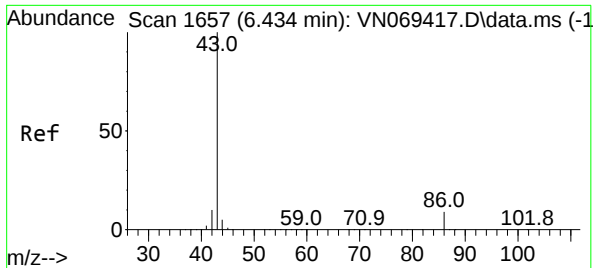
Tgt Ion: 96 Resp: 510387  
Ion Ratio Lower Upper  
96 100  
61 151.3 105.8 158.6  
98 61.6 52.0 78.0



#22  
Diisopropyl ether  
Concen: 54.769 ug/l  
RT: 6.495 min Scan# 1680  
Delta R.T. -0.003 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

Tgt Ion: 45 Resp: 2432256  
Ion Ratio Lower Upper  
45 100  
43 61.6 51.7 77.5  
87 24.4 23.2 34.8  
59 10.9 9.4 14.0

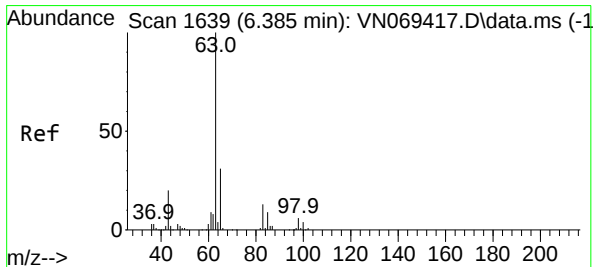
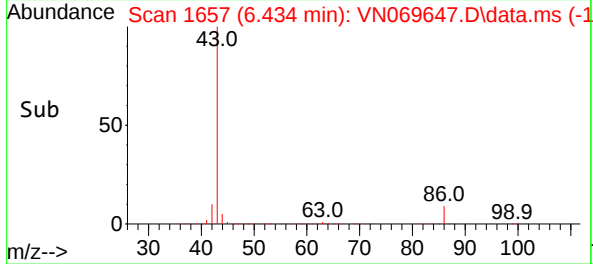
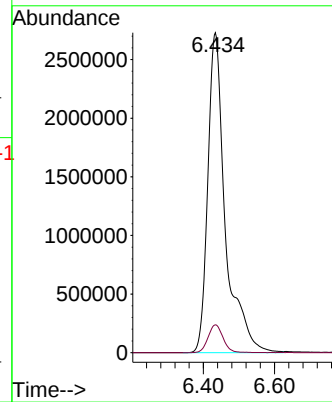
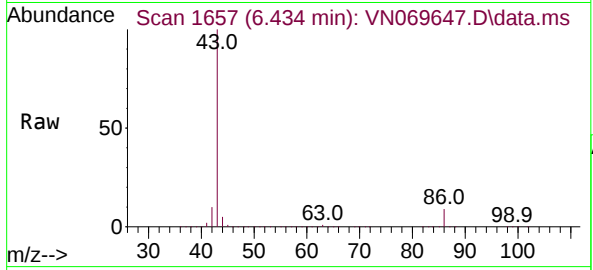




#23  
 Vinyl Acetate  
 Concen: 271.409 ug/l  
 RT: 6.434 min Scan# 1  
 Delta R.T. -0.000 min  
 Lab File: VN069647.D  
 Acq: 24 Nov 2021 17:22

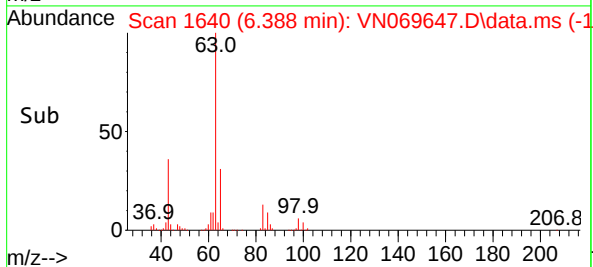
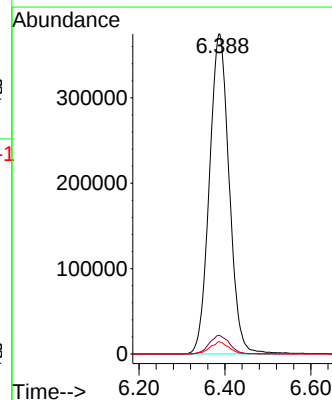
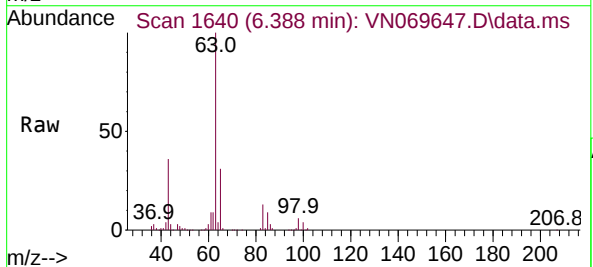
Instrument :  
 MSVOA\_N  
 ClientSampleId :

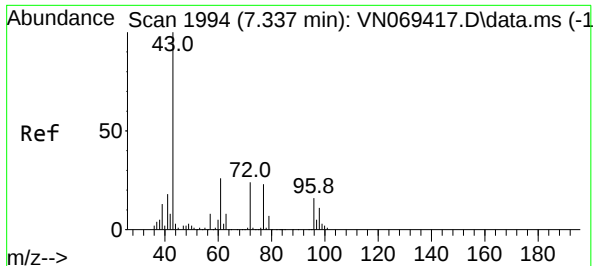
Tgt Ion: 43 Resp: 9322358  
 Ion Ratio Lower Upper  
 43 100  
 86 8.7 8.5 12.7



#24  
 1,1-Dichloroethane  
 Concen: 52.958 ug/l  
 RT: 6.388 min Scan# 1640  
 Delta R.T. 0.003 min  
 Lab File: VN069647.D  
 Acq: 24 Nov 2021 17:22

Tgt Ion: 63 Resp: 1197889  
 Ion Ratio Lower Upper  
 63 100  
 98 5.7 3.3 9.9  
 100 3.8 2.1 6.5





#25

2-Butanone

Concen: 249.946 ug/l

RT: 7.335 min Scan# 1993

Delta R.T. -0.002 min

Lab File: VN069647.D

Acq: 24 Nov 2021 17:22

Instrument :

MSVOA\_N

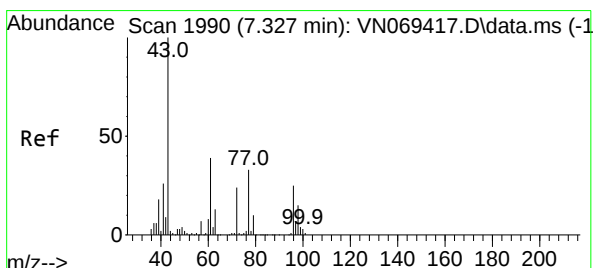
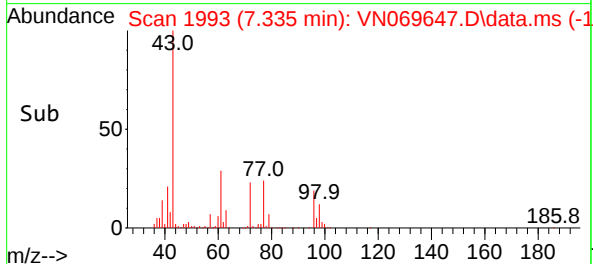
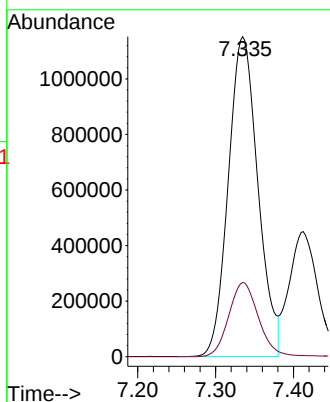
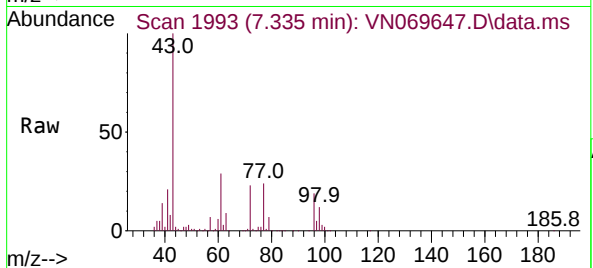
ClientSampleId :

Tgt Ion: 43 Resp: 3046178

Ion Ratio Lower Upper

43 100

72 23.2 21.7 32.5



#26

2,2-Dichloropropane

Concen: 51.709 ug/l

RT: 7.327 min Scan# 1990

Delta R.T. -0.000 min

Lab File: VN069647.D

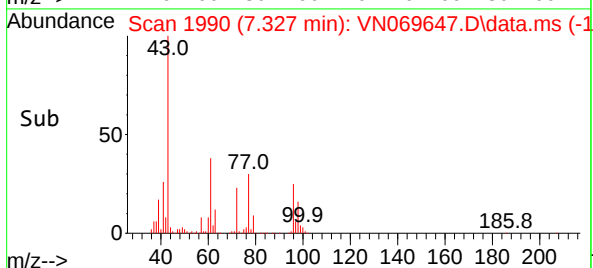
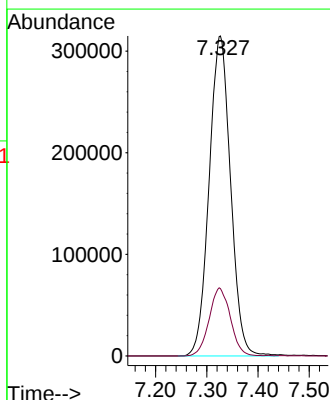
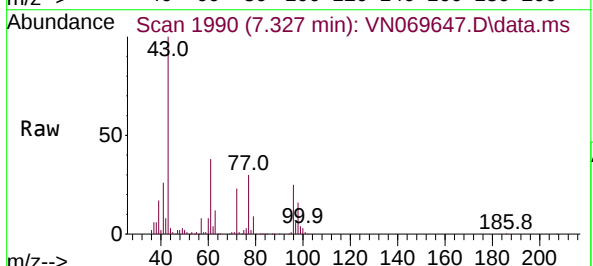
Acq: 24 Nov 2021 17:22

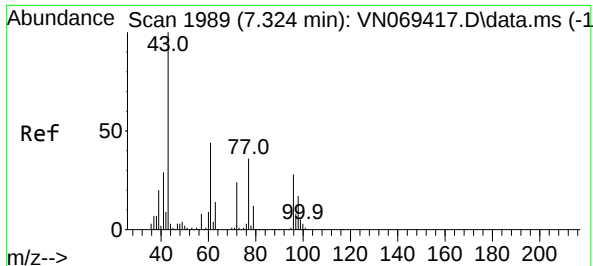
Tgt Ion: 77 Resp: 915131

Ion Ratio Lower Upper

77 100

97 21.1 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 52.705 ug/l

RT: 7.327 min Scan# 1989

Delta R.T. 0.003 min

Lab File: VN069647.D

Acq: 24 Nov 2021 17:22

Instrument :

MSVOA\_N

ClientSampleId :

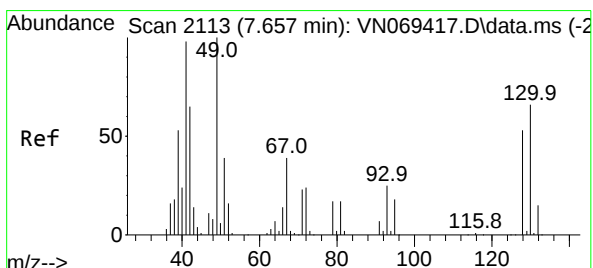
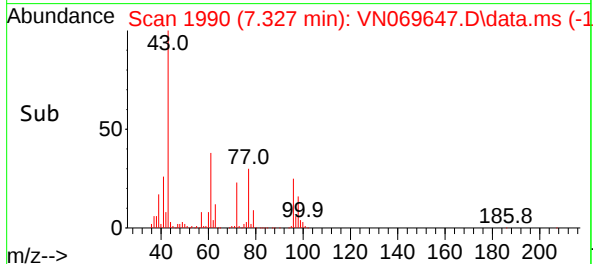
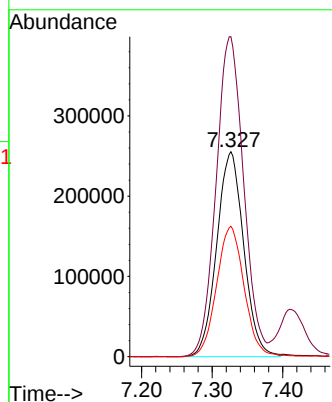
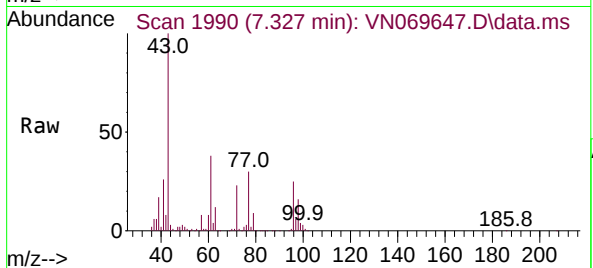
Tgt Ion: 96 Resp: 680470

Ion Ratio Lower Upper

96 100

61 159.3 0.0 275.0

98 64.5 0.0 129.6



#28

Bromochloromethane

Concen: 51.133 ug/l

RT: 7.657 min Scan# 2113

Delta R.T. -0.000 min

Lab File: VN069647.D

Acq: 24 Nov 2021 17:22

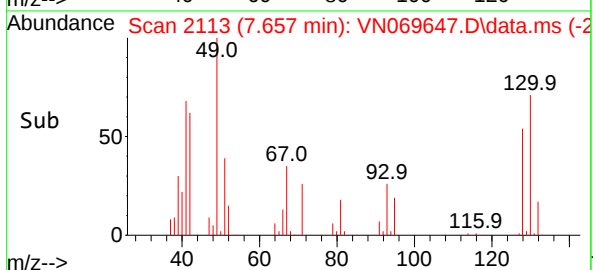
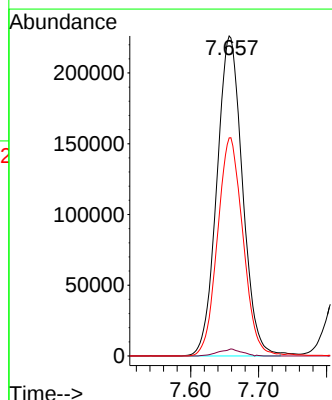
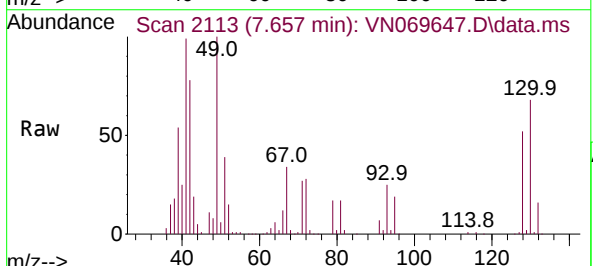
Tgt Ion: 49 Resp: 592310

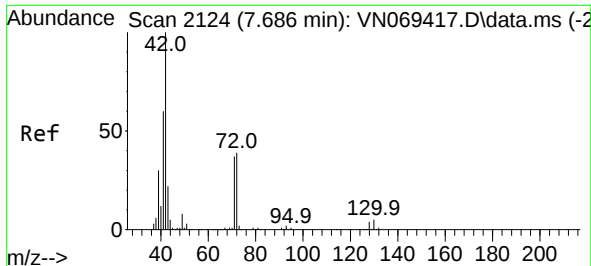
Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

130 67.7 67.8 101.8#





#29

Tetrahydrofuran

Concen: 251.909 ug/l

RT: 7.683 min Scan# 21

Delta R.T. -0.003 min

Lab File: VN069647.D

Acq: 24 Nov 2021 17:22

Instrument :

MSVOA\_N

ClientSampleId :

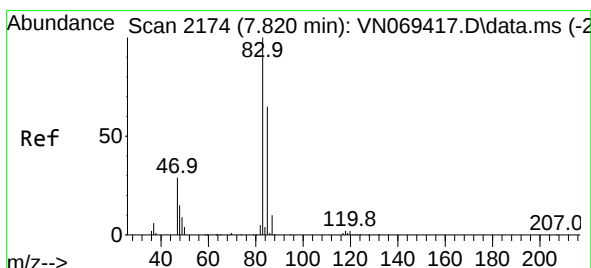
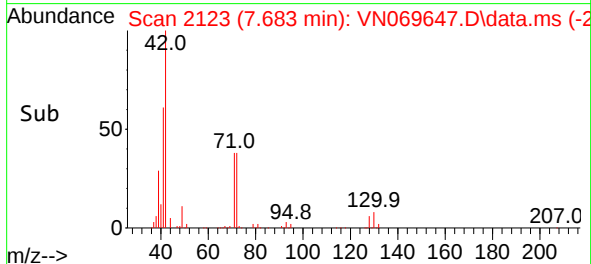
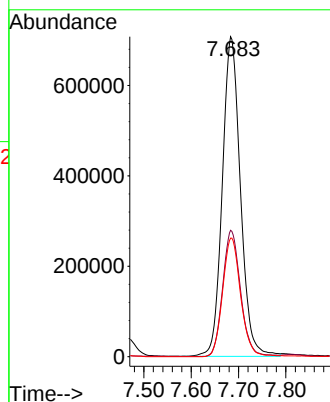
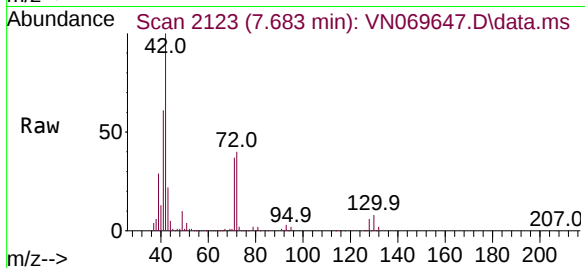
Tgt Ion: 42 Resp: 1884043

Ion Ratio Lower Upper

42 100

72 38.9 36.3 54.5

71 36.7 34.7 52.1



#30

Chloroform

Concen: 53.820 ug/l

RT: 7.817 min Scan# 2173

Delta R.T. -0.003 min

Lab File: VN069647.D

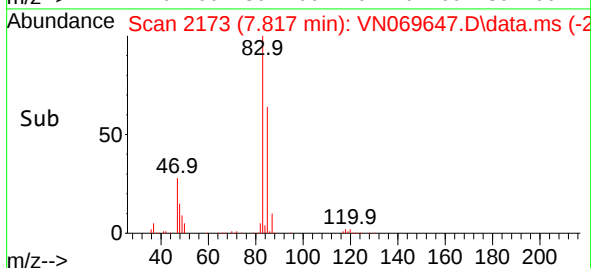
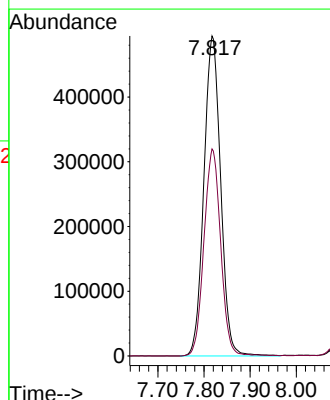
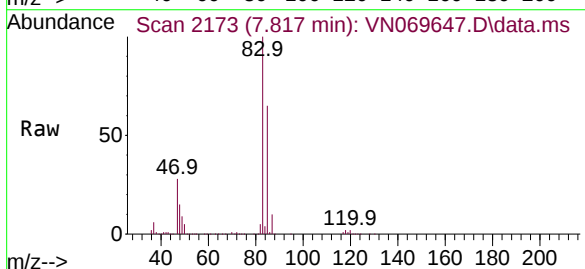
Acq: 24 Nov 2021 17:22

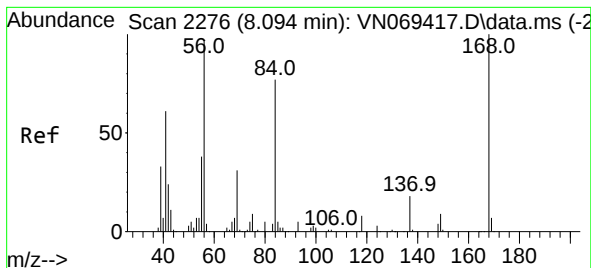
Tgt Ion: 83 Resp: 1248048

Ion Ratio Lower Upper

83 100

85 64.7 51.9 77.9





#31

Cyclohexane

Concen: 44.830 ug/l

RT: 8.094 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN069647.D

Acq: 24 Nov 2021 17:22

Instrument :

MSVOA\_N

ClientSampleId :

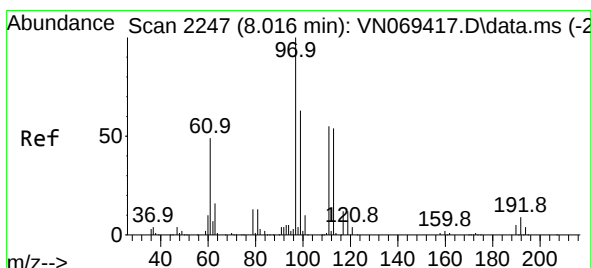
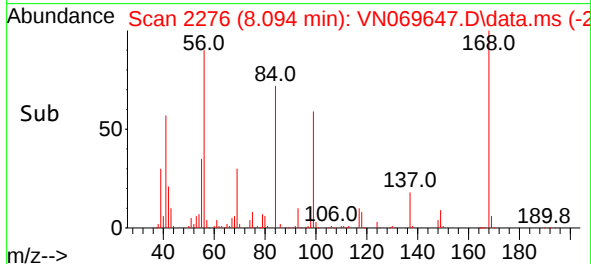
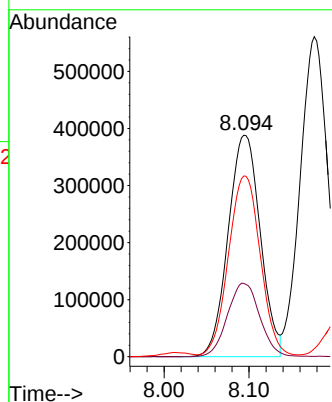
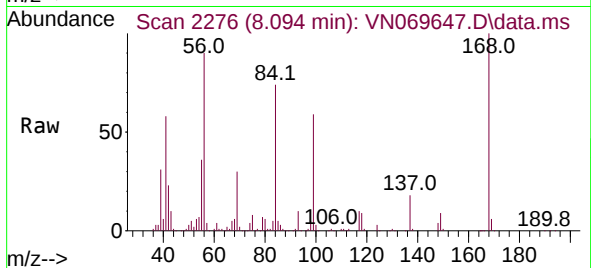
Tgt Ion: 56 Resp: 1021688

Ion Ratio Lower Upper

56 100

69 33.1 27.1 40.7

84 79.9 73.4 110.0



#32

1,1,1-Trichloroethane

Concen: 52.881 ug/l

RT: 8.013 min Scan# 2246

Delta R.T. -0.003 min

Lab File: VN069647.D

Acq: 24 Nov 2021 17:22

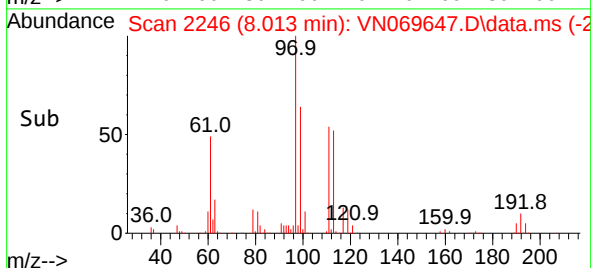
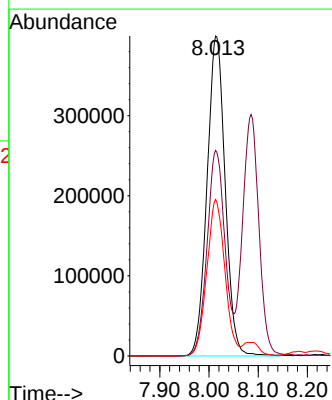
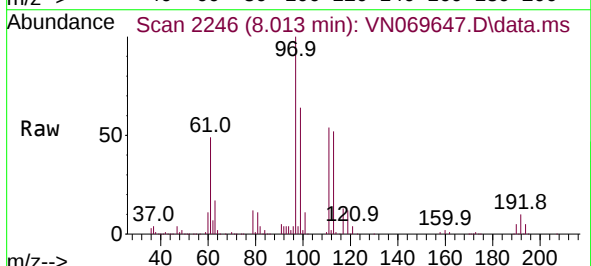
Tgt Ion: 97 Resp: 1023584

Ion Ratio Lower Upper

97 100

99 63.3 50.1 75.1

61 48.9 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 48.368 ug/l

RT: 8.437 min Scan# 2405

Delta R.T. -0.003 min

Lab File: VN069647.D

Acq: 24 Nov 2021 17:22

Instrument :

MSVOA\_N

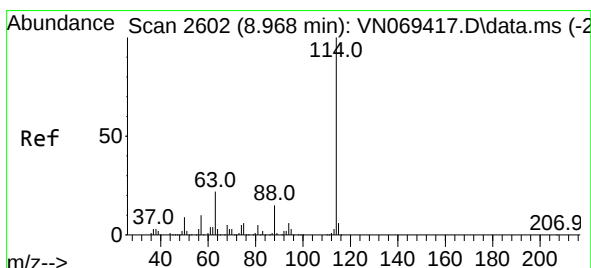
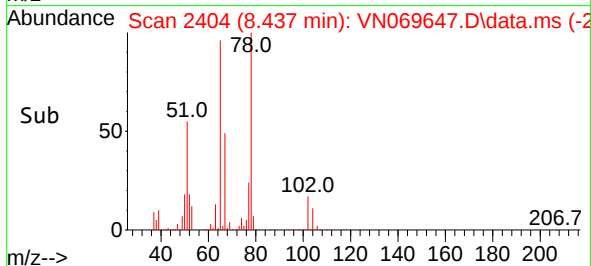
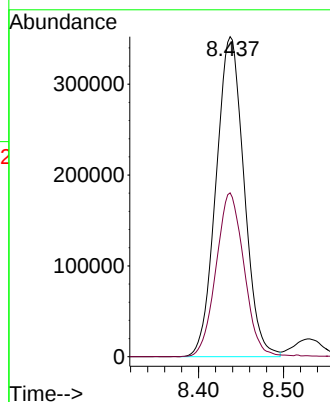
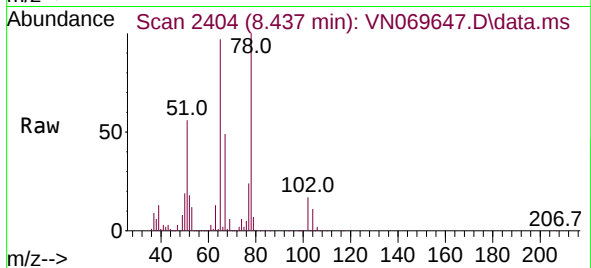
ClientSampleId :

Tgt Ion: 65 Resp: 806858

Ion Ratio Lower Upper

65 100

67 51.2 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN069647.D

Acq: 24 Nov 2021 17:22

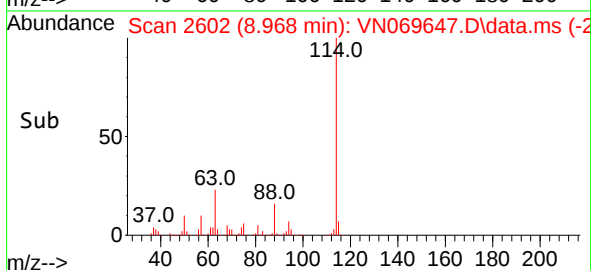
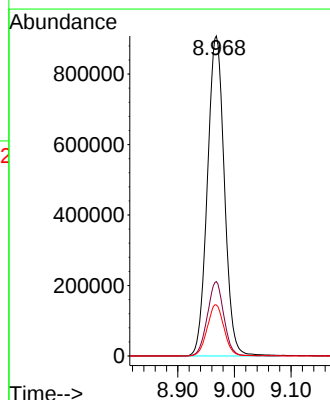
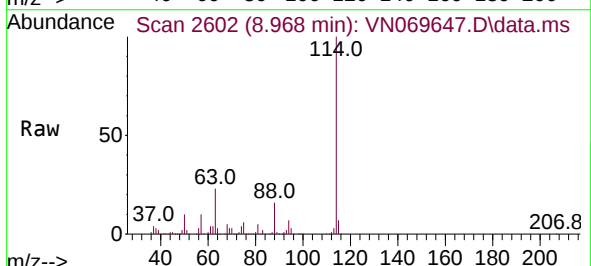
Tgt Ion: 114 Resp: 1891471

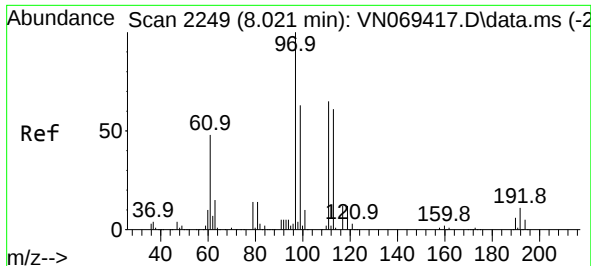
Ion Ratio Lower Upper

114 100

63 23.3 0.0 37.8

88 16.0 0.0 27.4

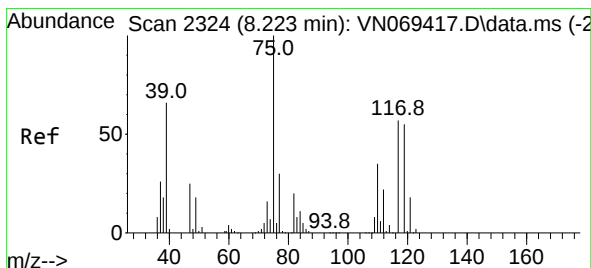
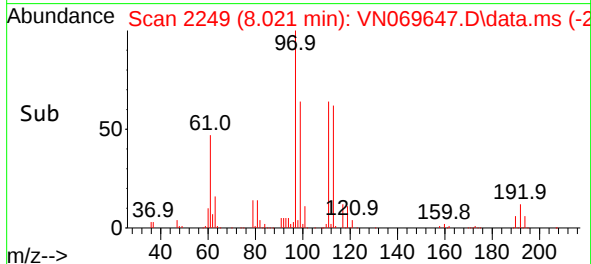
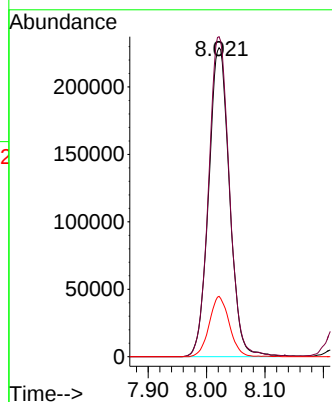
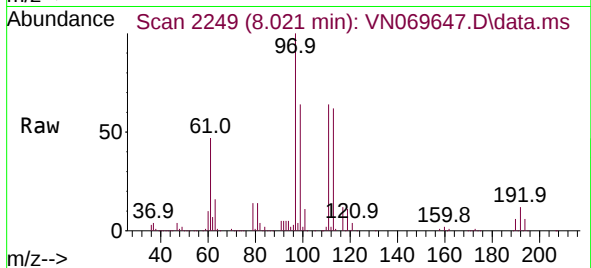




#35  
Dibromofluoromethane  
Concen: 50.065 ug/l  
RT: 8.021 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

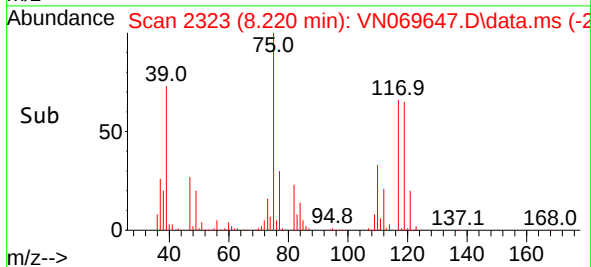
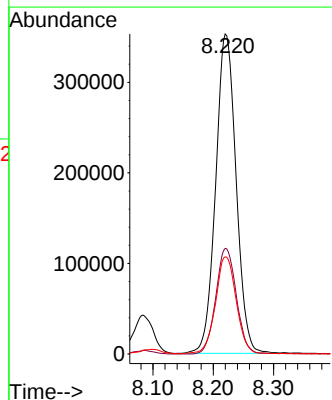
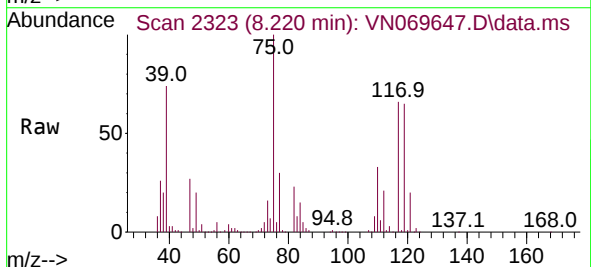
Instrument :  
MSVOA\_N  
ClientSampleId :

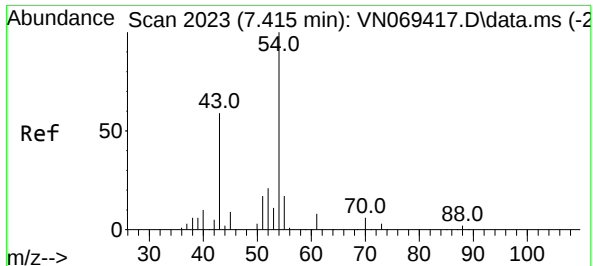
Tgt Ion:113 Resp: 567952  
Ion Ratio Lower Upper  
113 100  
111 102.5 82.2 123.2  
192 18.7 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 52.198 ug/l  
RT: 8.220 min Scan# 2323  
Delta R.T. -0.003 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

Tgt Ion: 75 Resp: 830760  
Ion Ratio Lower Upper  
75 100  
110 33.3 18.4 55.2  
77 30.8 24.4 36.6





#37

Ethyl Acetate

Concen: 53.090 ug/l

RT: 7.412 min Scan# 2023

Delta R.T. -0.003 min

Lab File: VN069647.D

Acq: 24 Nov 2021 17:22

Instrument :

MSVOA\_N

ClientSampleId :

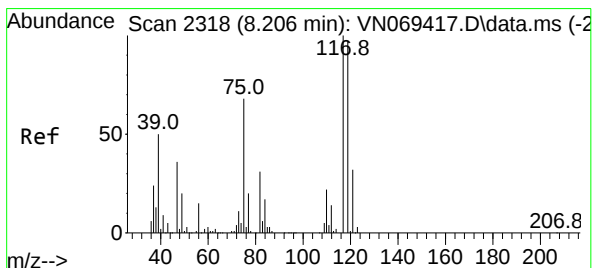
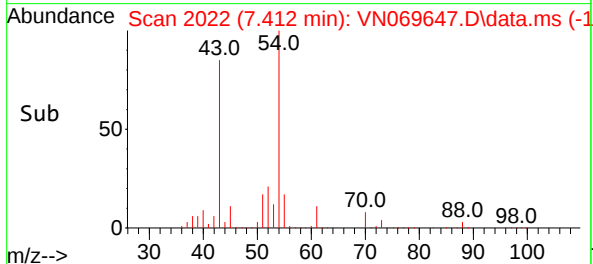
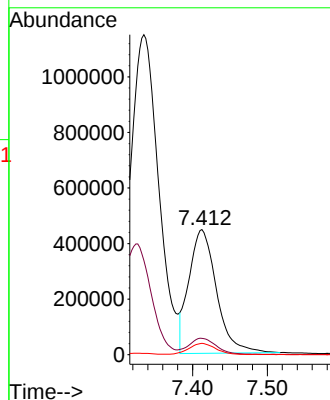
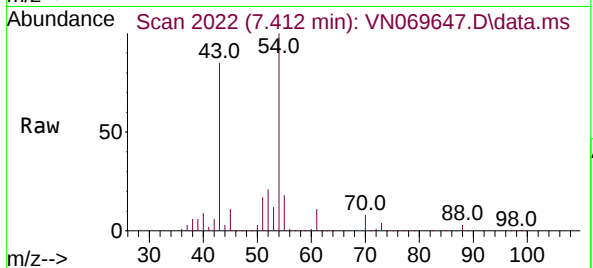
Tgt Ion: 43 Resp: 1142187

Ion Ratio Lower Upper

43 100

61 12.9 11.5 17.3

70 8.7 7.9 11.9



#38

Carbon Tetrachloride

Concen: 53.849 ug/l

RT: 8.206 min Scan# 2318

Delta R.T. 0.000 min

Lab File: VN069647.D

Acq: 24 Nov 2021 17:22

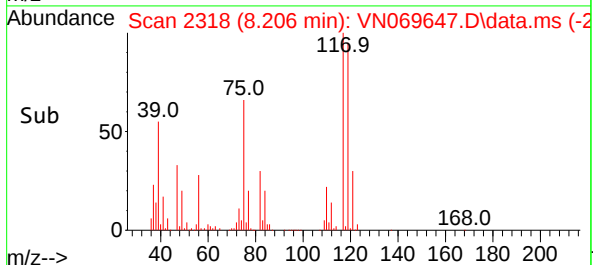
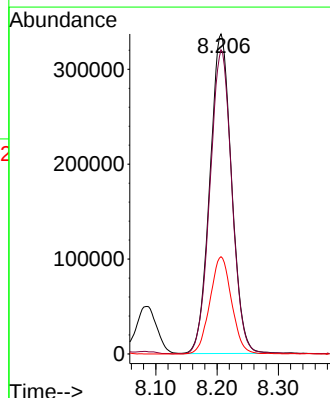
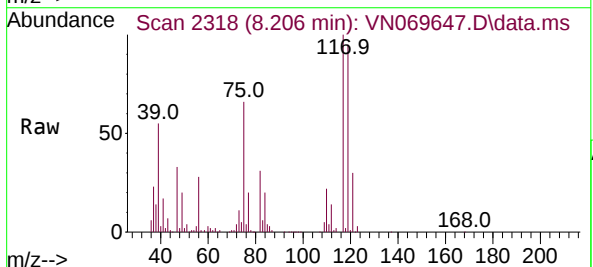
Tgt Ion: 117 Resp: 827424

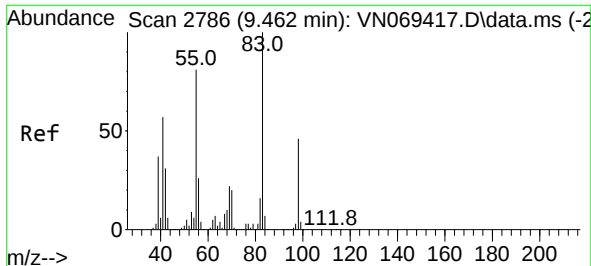
Ion Ratio Lower Upper

117 100

119 95.1 76.1 114.1

121 30.4 24.2 36.2





#39

Methylcyclohexane

Concen: 50.241 ug/l

RT: 9.459 min Scan# 21

Delta R.T. -0.003 min

Lab File: VN069647.D

Acq: 24 Nov 2021 17:22

Instrument :

MSVOA\_N

ClientSampleId :

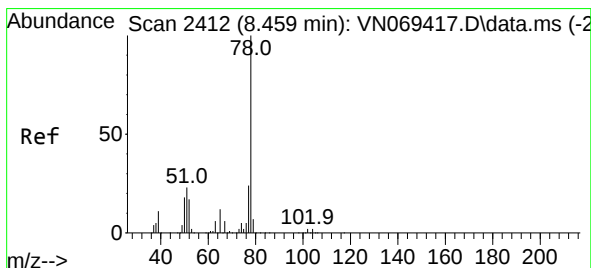
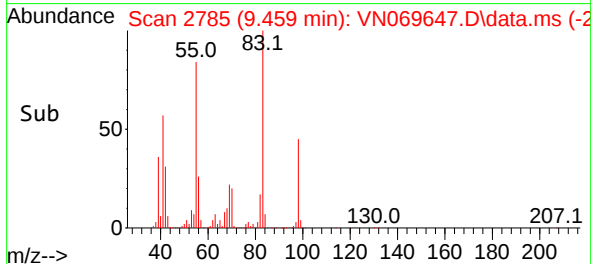
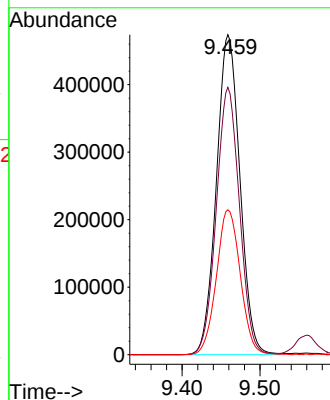
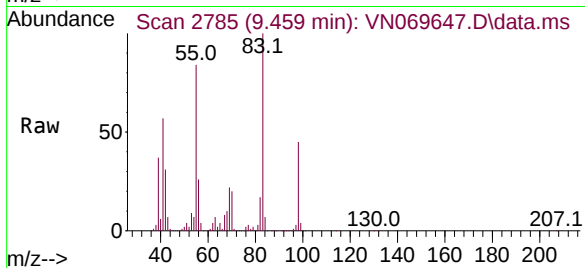
Tgt Ion: 83 Resp: 994705

Ion Ratio Lower Upper

83 100

55 83.5 58.1 87.1

98 45.3 38.4 57.6



#40

Benzene

Concen: 52.515 ug/l

RT: 8.458 min Scan# 2412

Delta R.T. -0.001 min

Lab File: VN069647.D

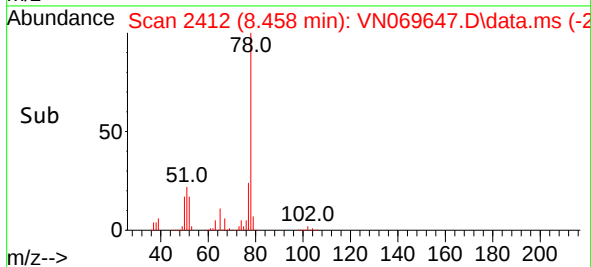
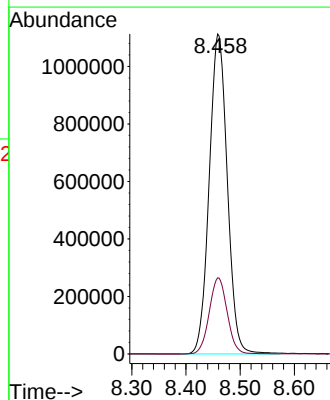
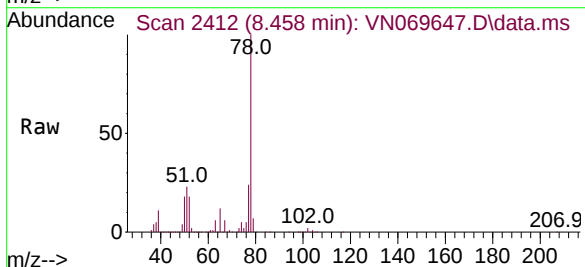
Acq: 24 Nov 2021 17:22

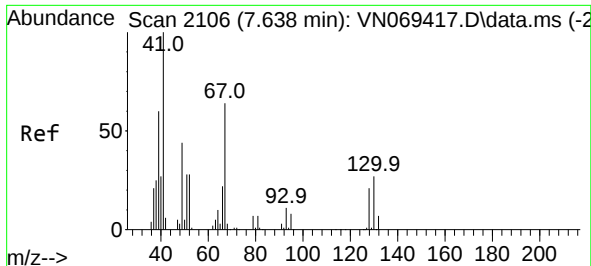
Tgt Ion: 78 Resp: 2579855

Ion Ratio Lower Upper

78 100

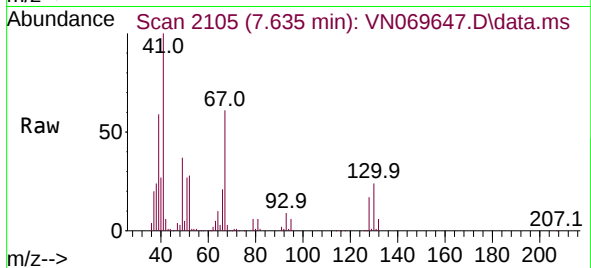
77 23.8 18.6 27.8



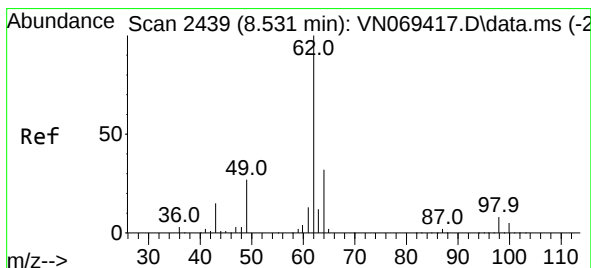
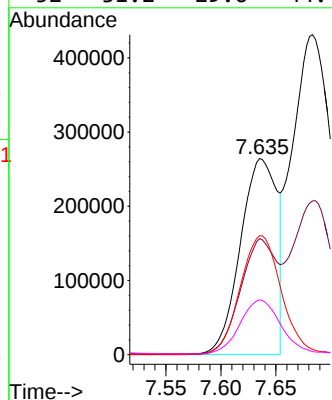
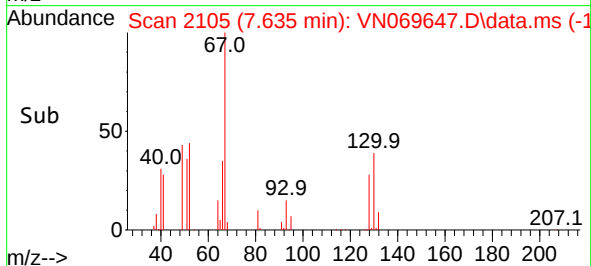


#41  
Methacrylonitrile  
Concen: 55.035 ug/l  
RT: 7.635 min Scan# 2105  
Delta R.T. -0.003 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

Instrument :  
MSVOA\_N  
ClientSampleId :

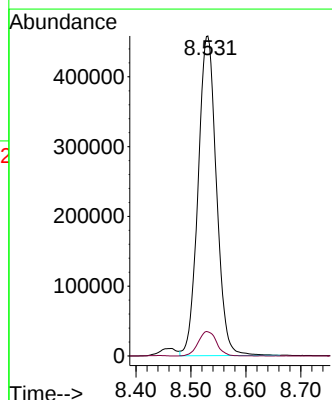
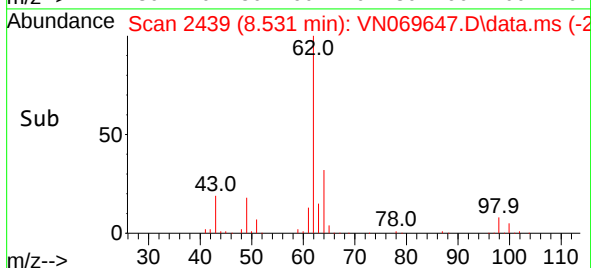
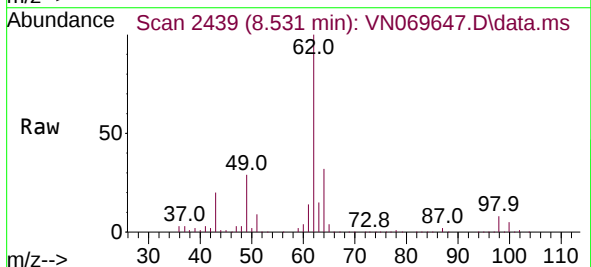


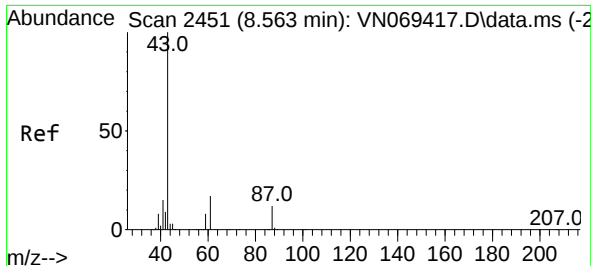
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 611809 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 57.5  | 48.1  | 72.1   |
| 67       | 69.2  | 68.3  | 102.5  |
| 52       | 31.2  | 29.6  | 44.4   |



#42  
1,2-Dichloroethane  
Concen: 55.017 ug/l  
RT: 8.531 min Scan# 2439  
Delta R.T. -0.000 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 62    | Resp: | 1058281 |
| Ion      | Ratio | Lower | Upper   |
| 62       | 100   |       |         |
| 98       | 7.7   | 0.0   | 17.6    |

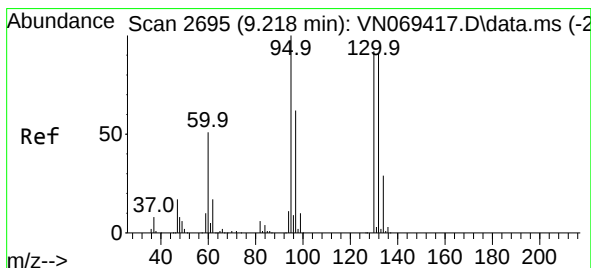
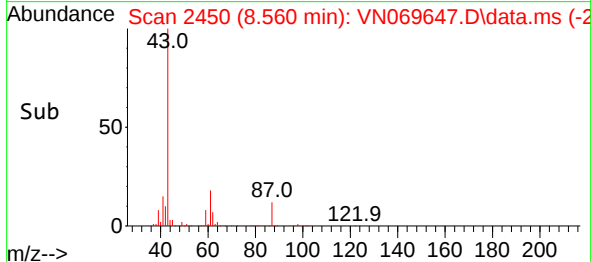
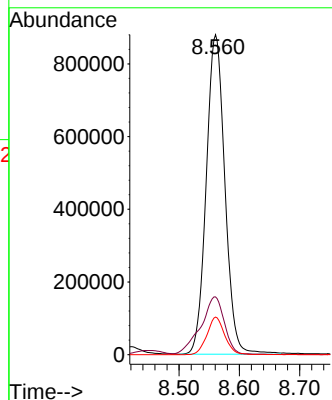
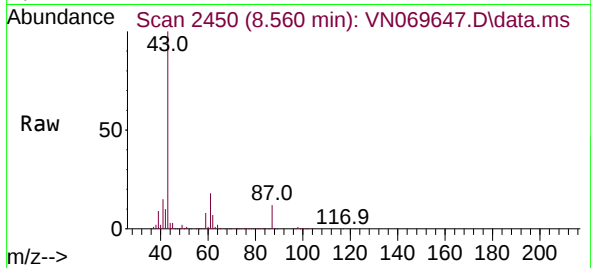




#43  
Isopropyl Acetate  
Concen: 54.758 ug/l  
RT: 8.560 min Scan# 2451  
Delta R.T. -0.003 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

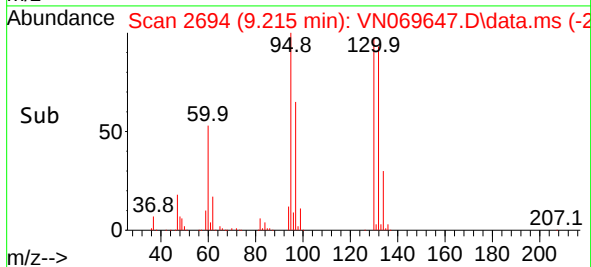
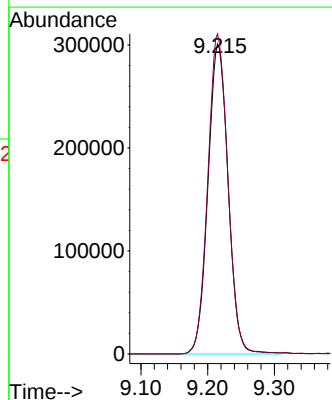
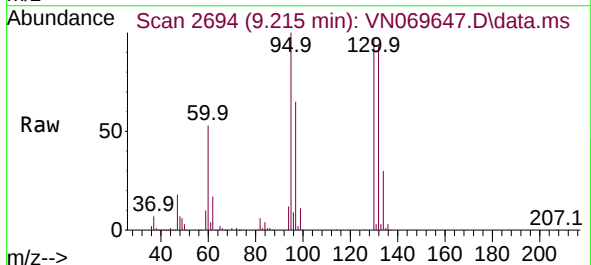
Instrument :  
MSVOA\_N  
ClientSampleId :

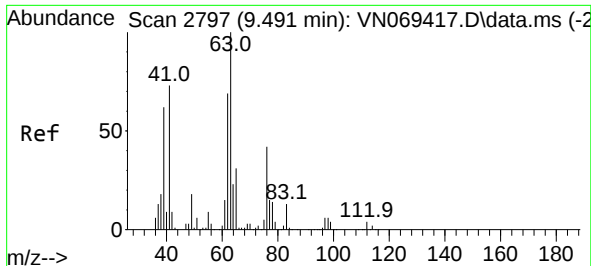
Tgt Ion: 43 Resp: 1892247  
Ion Ratio Lower Upper  
43 100  
61 22.7 20.4 30.6  
87 11.2 11.2 16.8#



#44  
Trichloroethene  
Concen: 53.687 ug/l  
RT: 9.215 min Scan# 2694  
Delta R.T. -0.003 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

Tgt Ion:130 Resp: 631206  
Ion Ratio Lower Upper  
130 100  
95 103.2 0.0 191.2

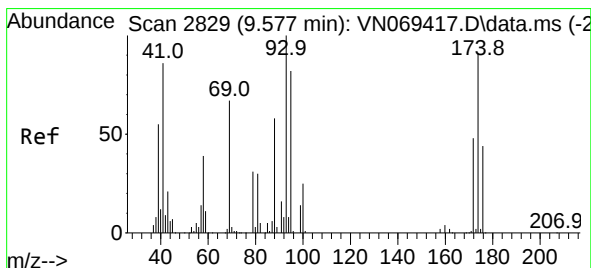
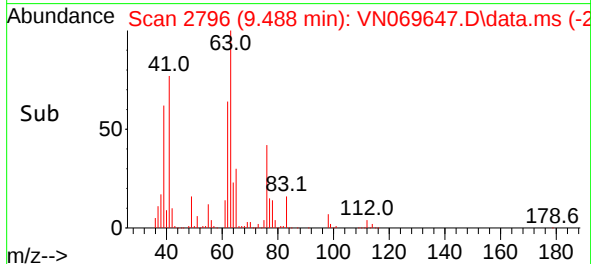
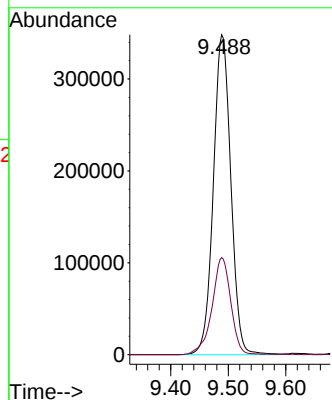
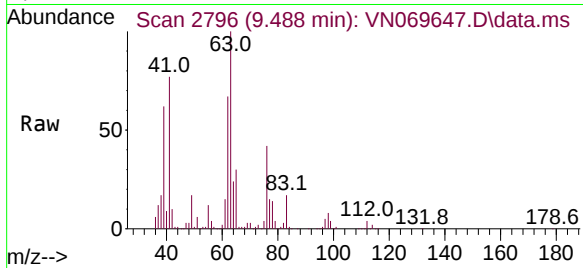




#45  
1,2-Dichloropropane  
Concen: 56.122 ug/l  
RT: 9.488 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

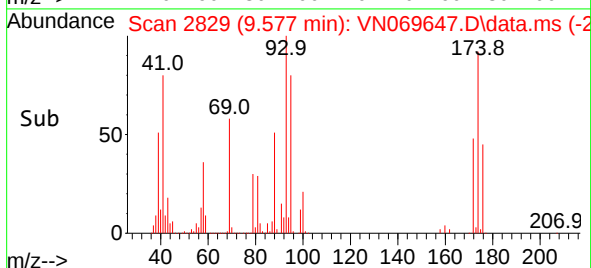
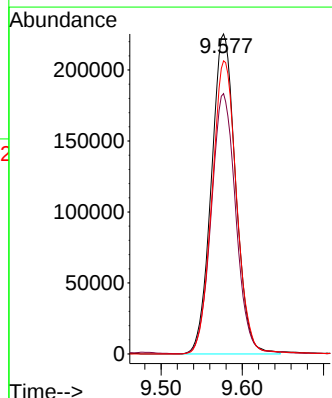
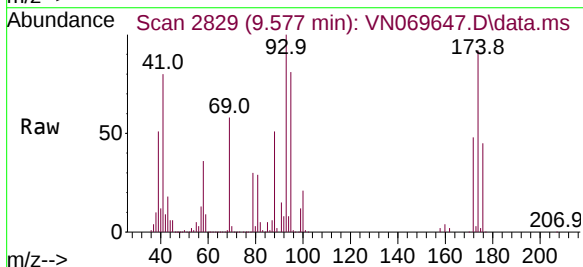
Instrument :  
MSVOA\_N  
ClientSampleId :

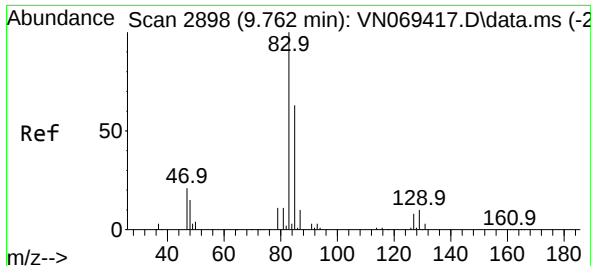
Tgt Ion: 63 Resp: 736609  
Ion Ratio Lower Upper  
63 100  
65 30.3 24.7 37.1



#46  
Dibromomethane  
Concen: 53.184 ug/l  
RT: 9.577 min Scan# 2829  
Delta R.T. -0.000 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

Tgt Ion: 93 Resp: 467557  
Ion Ratio Lower Upper  
93 100  
95 81.8 65.9 98.9  
174 92.9 84.6 127.0

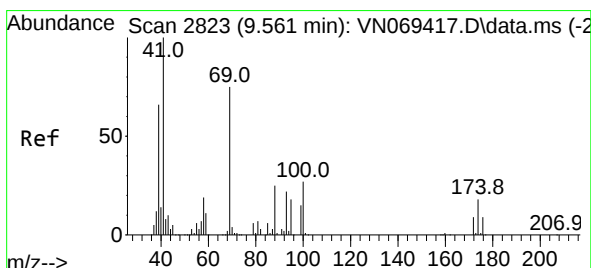
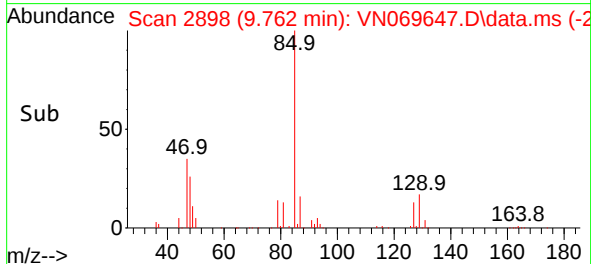
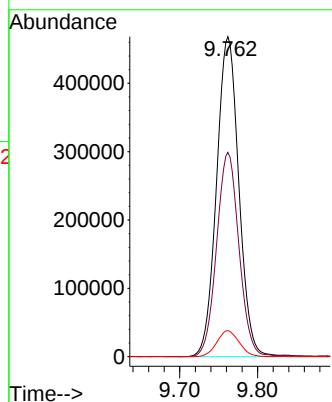
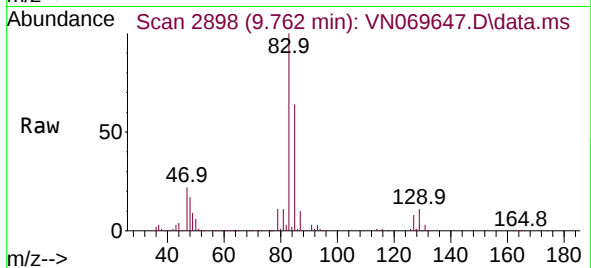




#47  
Bromodichloromethane  
Concen: 56.610 ug/l  
RT: 9.762 min Scan# 2898  
Delta R.T. -0.000 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

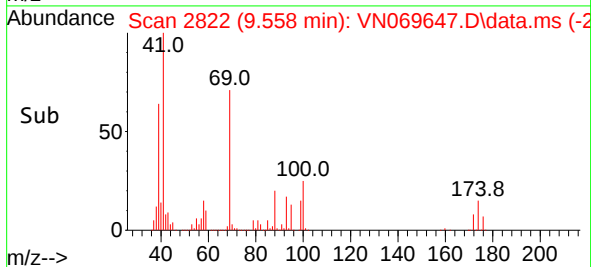
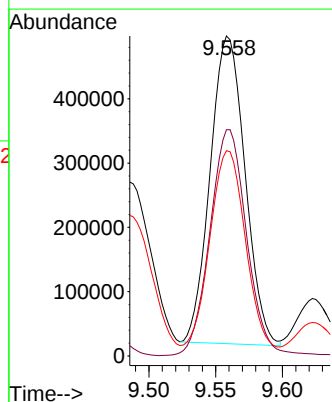
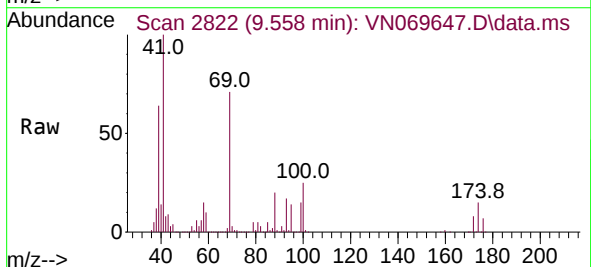
Instrument :  
MSVOA\_N  
ClientSampleId :

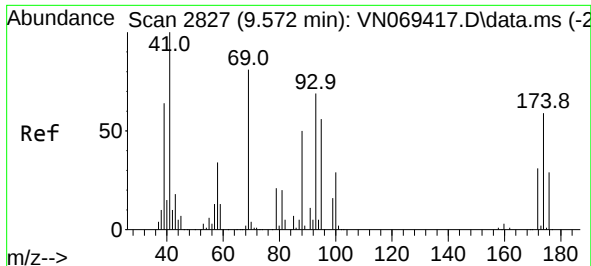
Tgt Ion: 83 Resp: 928678  
Ion Ratio Lower Upper  
83 100  
85 63.8 50.9 76.3  
127 8.2 7.1 10.7



#48  
Methyl methacrylate  
Concen: 53.477 ug/l  
RT: 9.558 min Scan# 2822  
Delta R.T. -0.003 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

Tgt Ion: 41 Resp: 869446  
Ion Ratio Lower Upper  
41 100  
69 77.5 72.4 108.6  
39 69.9 58.4 87.6





#49

1,4-Dioxane

Concen: 904.720 ug/l

RT: 9.569 min Scan# 21

Delta R.T. -0.003 min

Lab File: VN069647.D

Acq: 24 Nov 2021 17:22

Instrument :

MSVOA\_N

ClientSampleId :

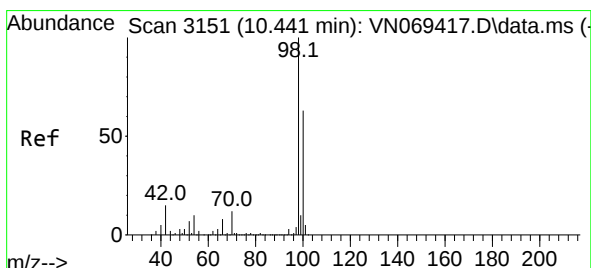
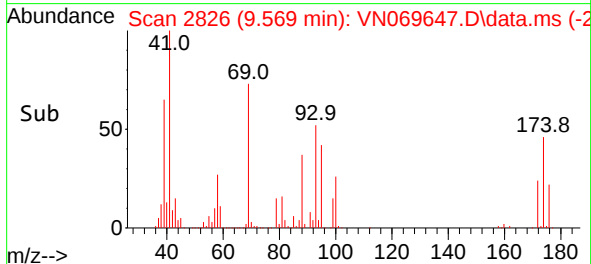
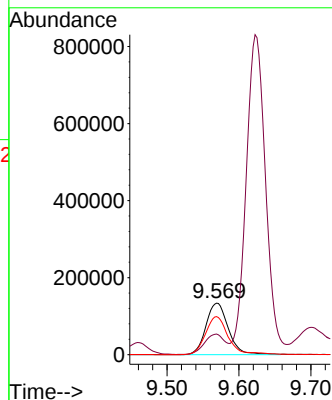
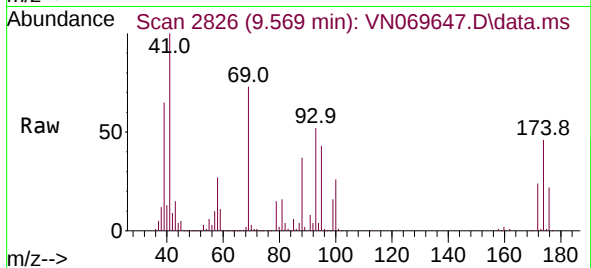
Tgt Ion: 88 Resp: 290253

Ion Ratio Lower Upper

88 100

43 37.0 23.4 35.2#

58 75.5 50.6 75.8



#50

Toluene-d8

Concen: 49.045 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. -0.001 min

Lab File: VN069647.D

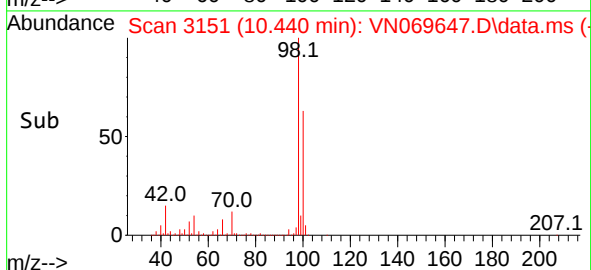
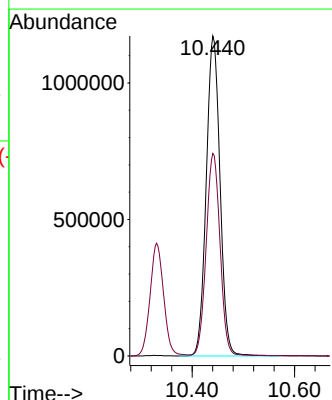
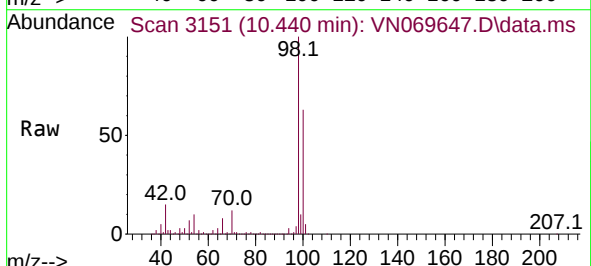
Acq: 24 Nov 2021 17:22

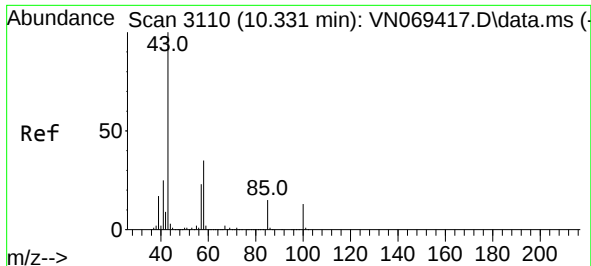
Tgt Ion: 98 Resp: 2188244

Ion Ratio Lower Upper

98 100

100 63.3 50.4 75.6

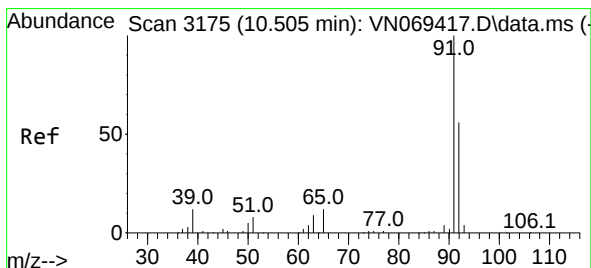
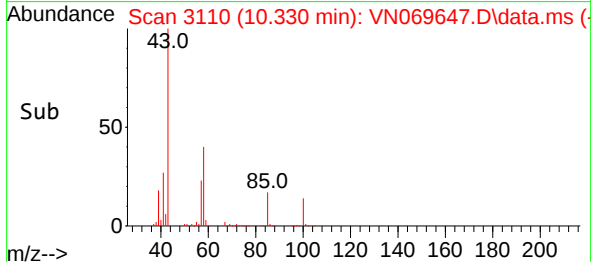
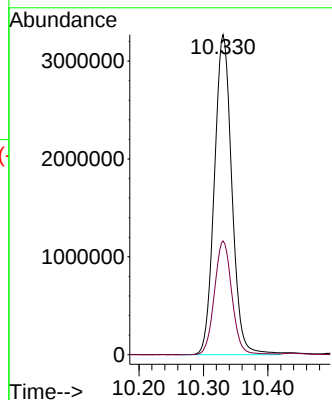
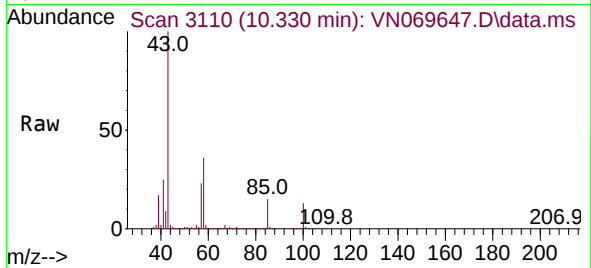




#51  
4-Methyl-2-Pentanone  
Concen: 276.328 ug/l  
RT: 10.330 min Scan# 3110  
Delta R.T. -0.001 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

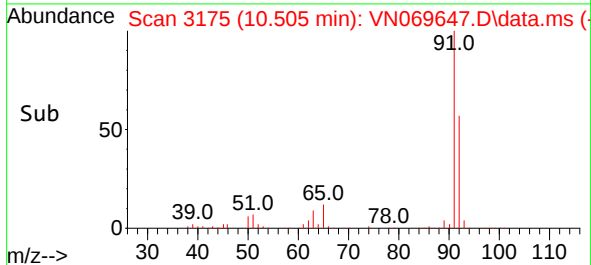
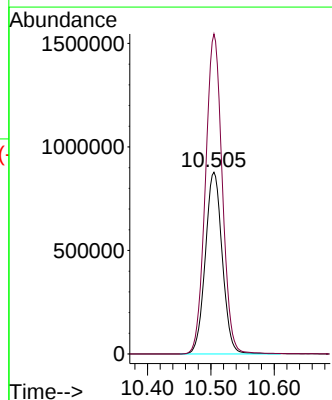
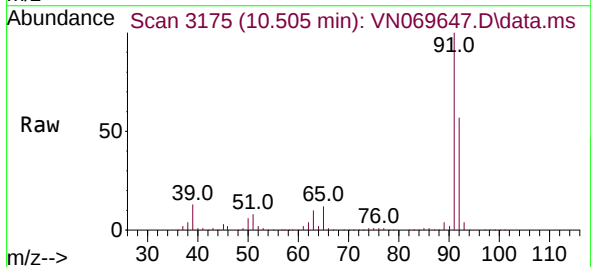
Instrument :  
MSVOA\_N  
ClientSampleId :

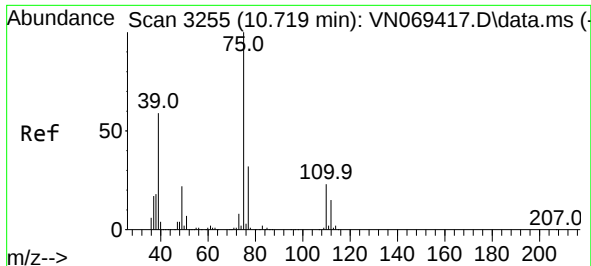
Tgt Ion: 43 Resp: 6163619  
Ion Ratio Lower Upper  
43 100  
58 35.5 30.4 45.6



#52  
Toluene  
Concen: 53.090 ug/l  
RT: 10.505 min Scan# 3175  
Delta R.T. -0.000 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

Tgt Ion: 92 Resp: 1624809  
Ion Ratio Lower Upper  
92 100  
91 175.0 142.0 213.0

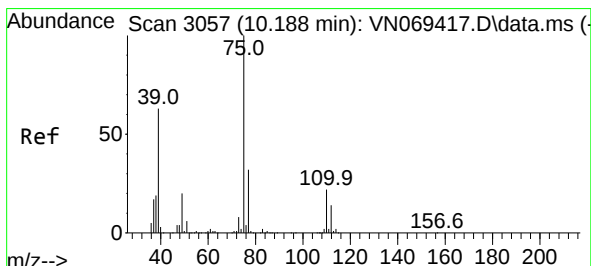
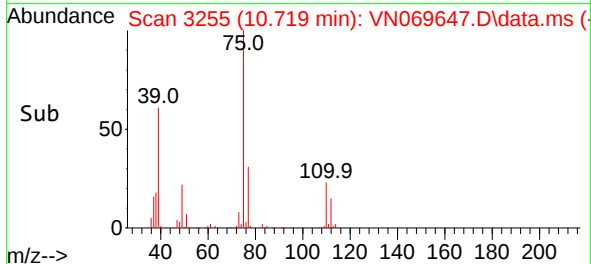
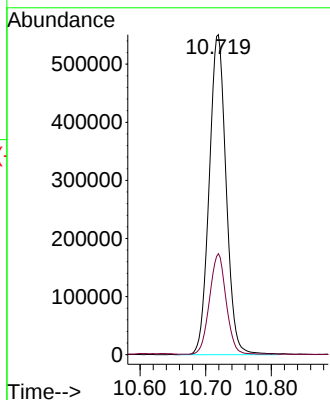
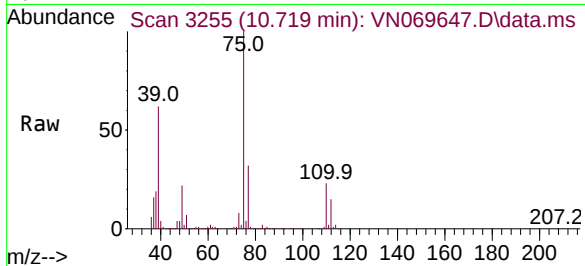




#53  
t-1,3-Dichloropropene  
Concen: 48.974 ug/l  
RT: 10.719 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

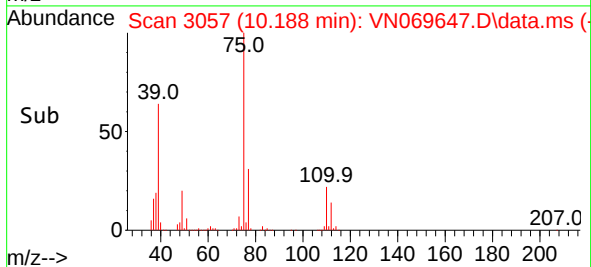
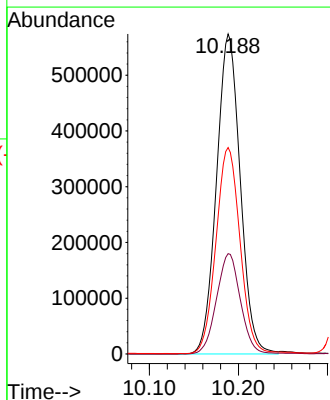
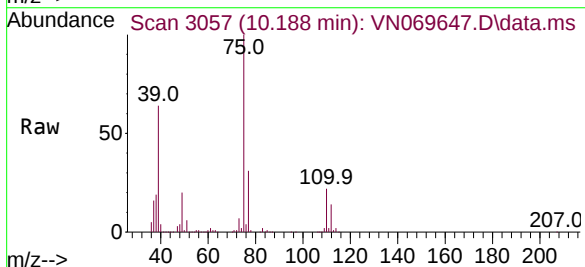
Instrument :  
MSVOA\_N  
ClientSampleId :

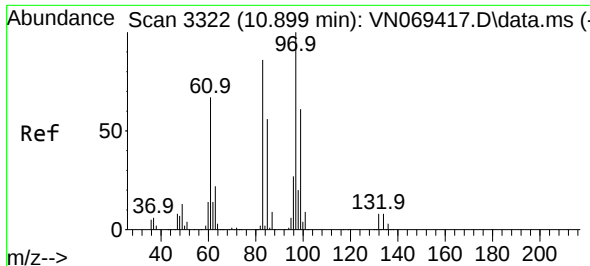
Tgt Ion: 75 Resp: 986662  
Ion Ratio Lower Upper  
75 100  
77 31.4 25.6 38.4



#54  
cis-1,3-Dichloropropene  
Concen: 50.072 ug/l  
RT: 10.188 min Scan# 3057  
Delta R.T. 0.000 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

Tgt Ion: 75 Resp: 1064336  
Ion Ratio Lower Upper  
75 100  
77 31.3 26.4 39.6  
39 64.4 42.5 63.7#

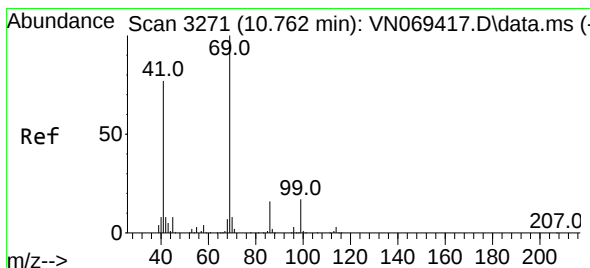
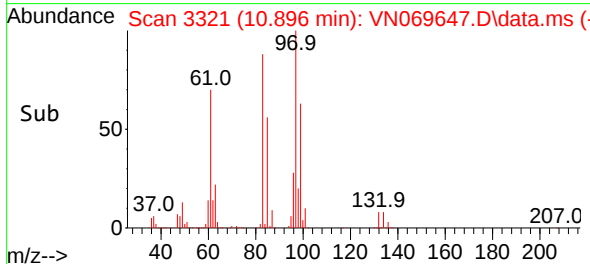
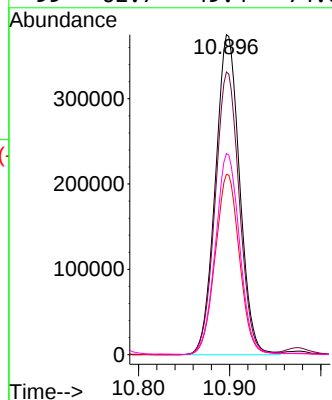
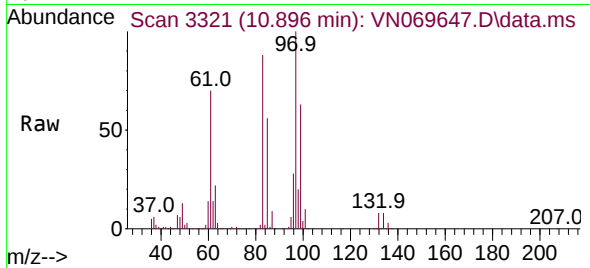




#55  
1,1,2-Trichloroethane  
Concen: 56.184 ug/l  
RT: 10.896 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

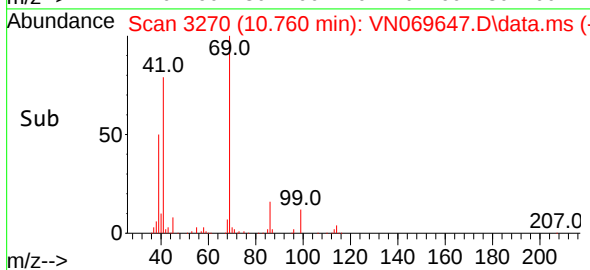
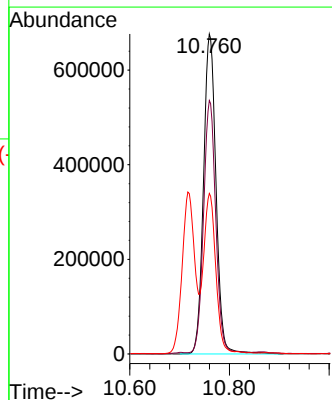
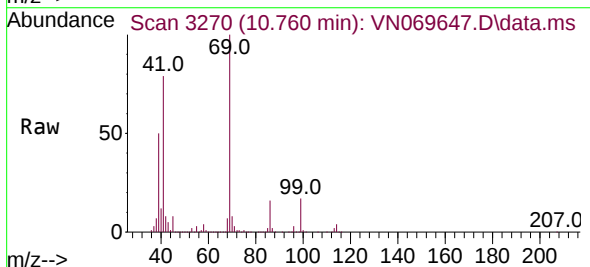
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 97 Resp: 693136  
Ion Ratio Lower Upper  
97 100  
83 88.4 67.8 101.6  
85 56.3 45.4 68.2  
99 62.7 49.4 74.0



#56  
Ethyl methacrylate  
Concen: 50.598 ug/l  
RT: 10.760 min Scan# 3270  
Delta R.T. -0.002 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

Tgt Ion: 69 Resp: 1176971  
Ion Ratio Lower Upper  
69 100  
41 76.8 51.4 77.0  
39 46.7 34.6 52.0

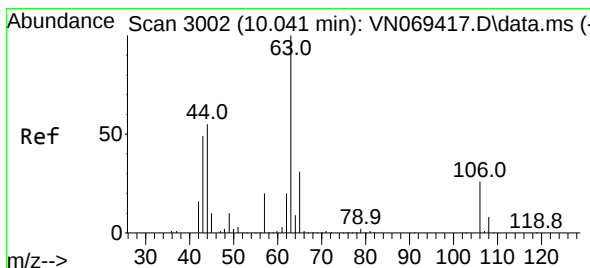
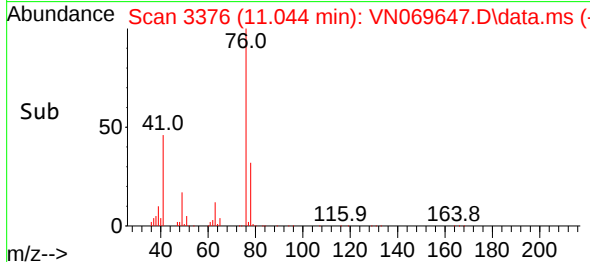
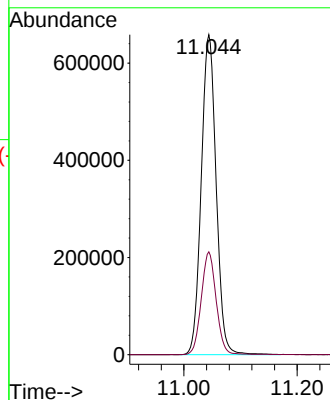
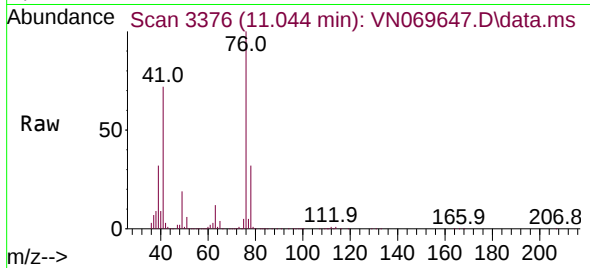




#57  
1,3-Dichloropropane  
Concen: 55.339 ug/l  
RT: 11.044 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

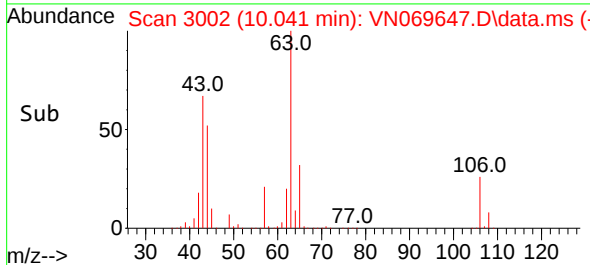
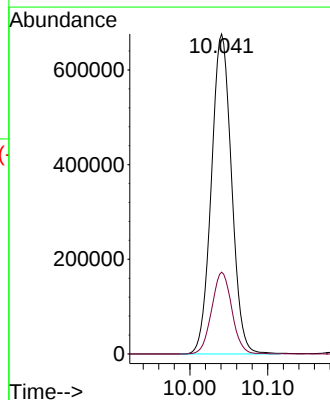
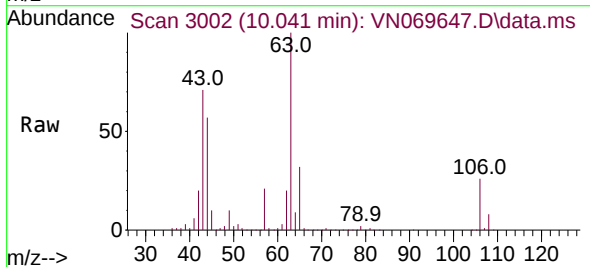
Instrument :  
MSVOA\_N  
ClientSampleId :

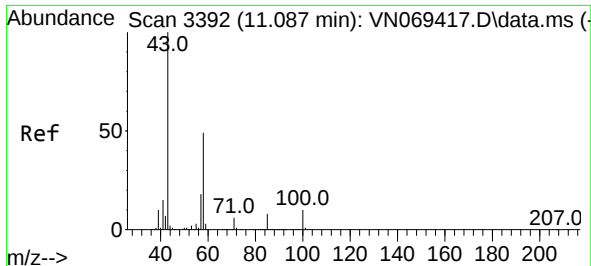
Tgt Ion: 76 Resp: 1199676  
Ion Ratio Lower Upper  
76 100  
78 32.1 25.7 38.5



#58  
2-Chloroethyl Vinyl ether  
Concen: 207.590 ug/l  
RT: 10.041 min Scan# 3002  
Delta R.T. -0.000 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

Tgt Ion: 63 Resp: 1215578  
Ion Ratio Lower Upper  
63 100  
106 25.5 23.9 35.9

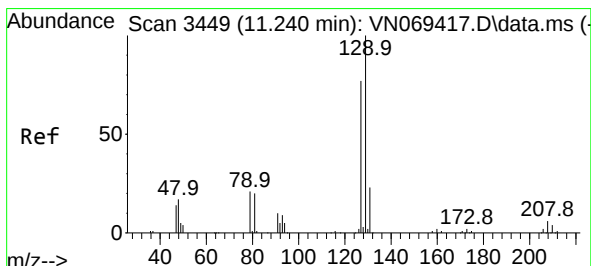
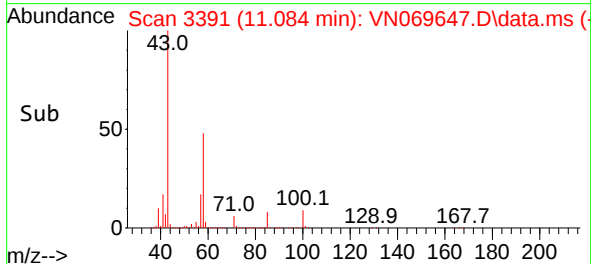
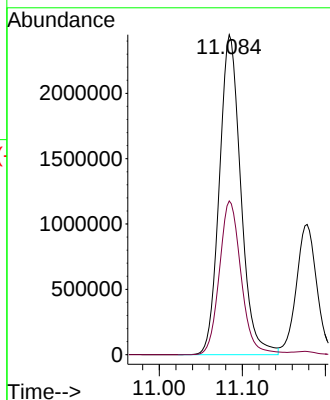
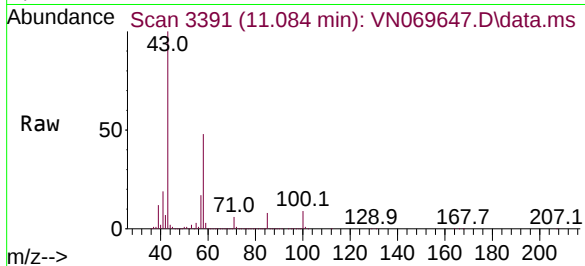




#59  
2-Hexanone  
Concen: 234.112 ug/l  
RT: 11.084 min Scan# 3392  
Delta R.T. -0.003 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

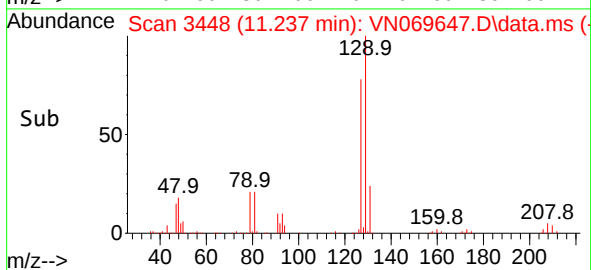
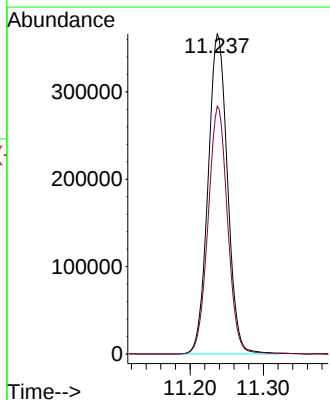
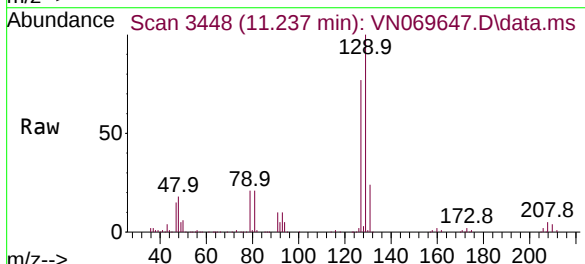
Instrument :  
MSVOA\_N  
ClientSampleId :

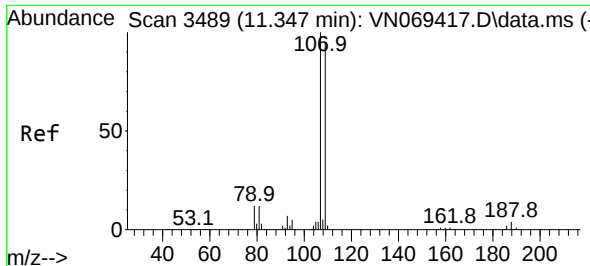
Tgt Ion: 43 Resp: 4399308  
Ion Ratio Lower Upper  
43 100  
58 48.7 26.9 80.7



#60  
Dibromochloromethane  
Concen: 49.874 ug/l  
RT: 11.237 min Scan# 3448  
Delta R.T. -0.003 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

Tgt Ion:129 Resp: 675242  
Ion Ratio Lower Upper  
129 100  
127 77.5 38.6 116.0

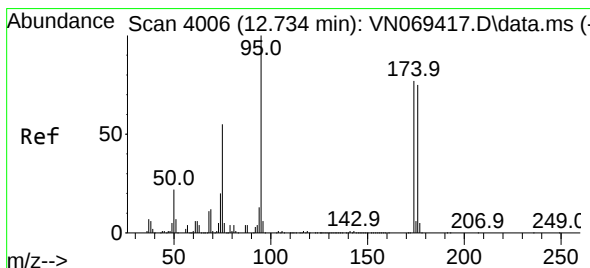
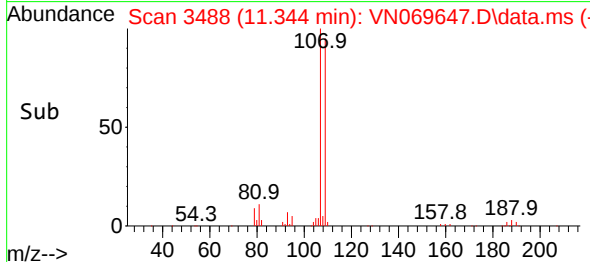
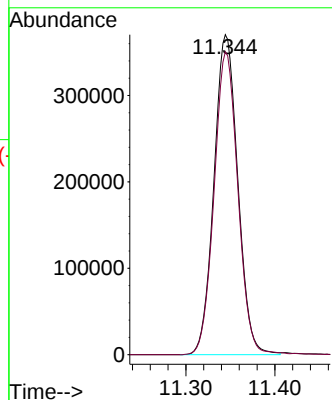
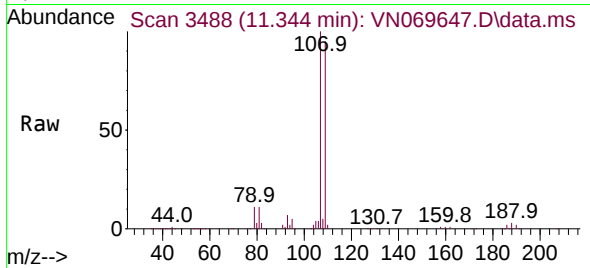




#61  
1,2-Dibromoethane  
Concen: 50.082 ug/l  
RT: 11.344 min Scan# 34  
Delta R.T. -0.003 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

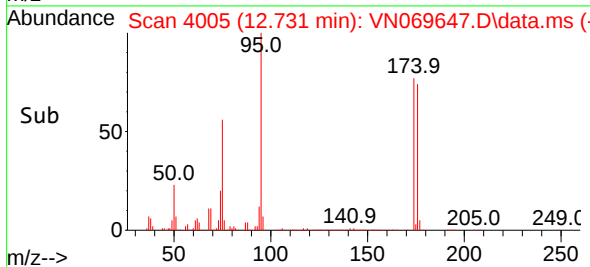
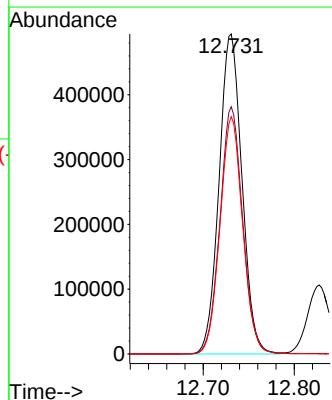
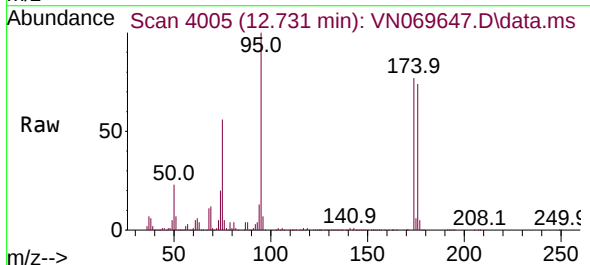
Instrument :  
MSVOA\_N  
ClientSampleId :

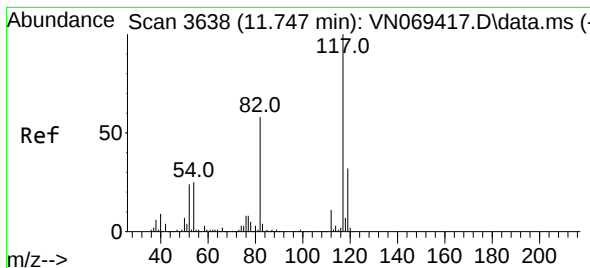
Tgt Ion:107 Resp: 689659  
Ion Ratio Lower Upper  
107 100  
109 94.4 75.7 113.5



#62  
4-Bromofluorobenzene  
Concen: 52.512 ug/l  
RT: 12.731 min Scan# 4005  
Delta R.T. -0.003 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

Tgt Ion: 95 Resp: 860697  
Ion Ratio Lower Upper  
95 100  
174 76.6 0.0 187.2  
176 73.3 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3637

Delta R.T. -0.003 min

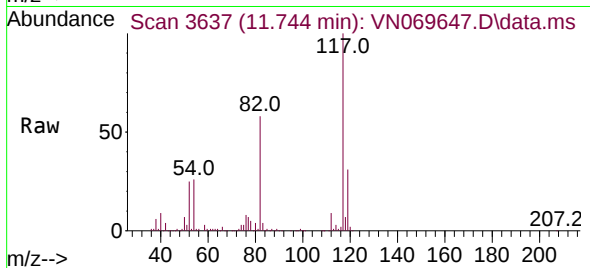
Lab File: VN069647.D

Acq: 24 Nov 2021 17:22

Instrument :

MSVOA\_N

ClientSampleId :



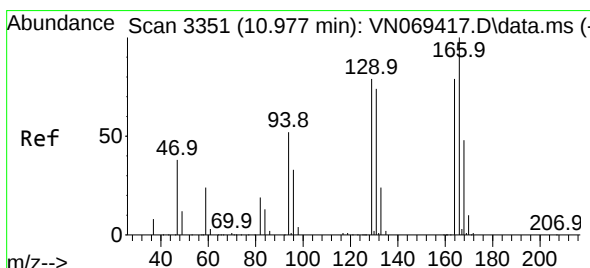
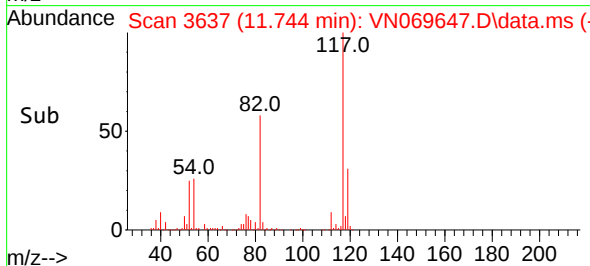
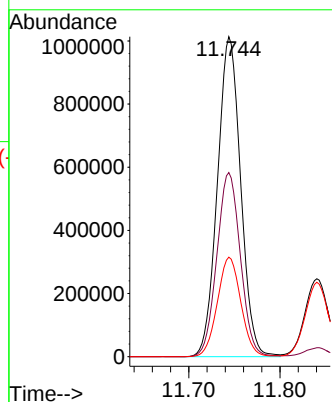
Tgt Ion:117 Resp: 1795219

Ion Ratio Lower Upper

117 100

82 57.6 42.4 63.6

119 31.1 25.4 38.2



#64

Tetrachloroethene

Concen: 52.682 ug/l

RT: 10.977 min Scan# 3351

Delta R.T. -0.000 min

Lab File: VN069647.D

Acq: 24 Nov 2021 17:22

Tgt Ion:164 Resp: 571054

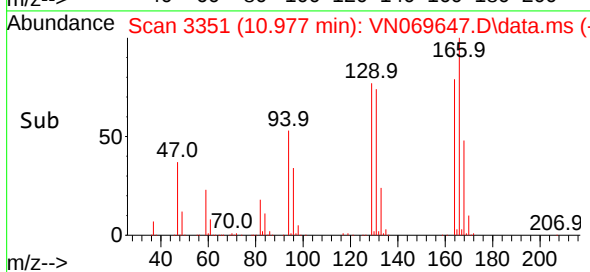
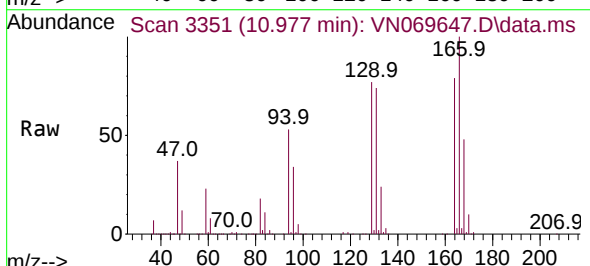
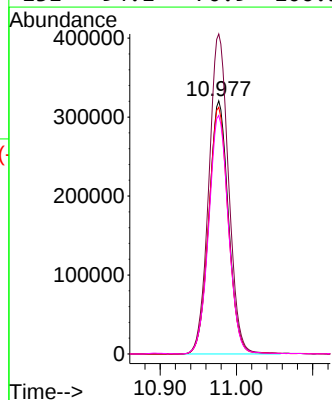
Ion Ratio Lower Upper

164 100

166 126.4 101.9 152.9

129 97.4 72.0 108.0

131 94.1 70.9 106.3

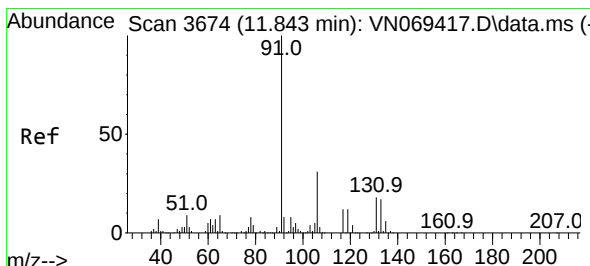
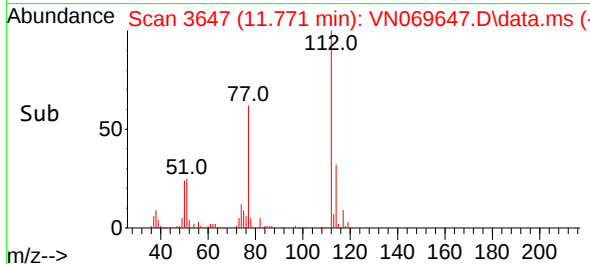
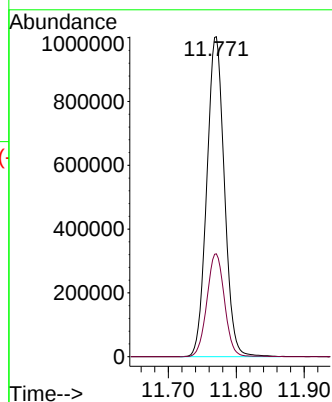
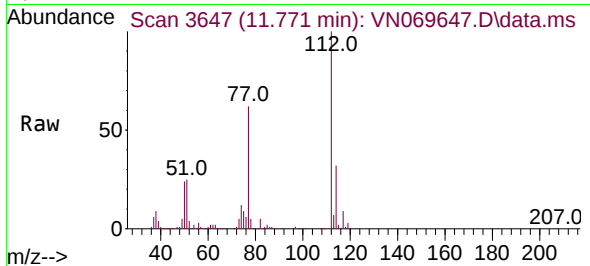




#65  
Chlorobenzene  
Concen: 53.927 ug/l  
RT: 11.771 min Scan# 3647  
Delta R.T. -0.000 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

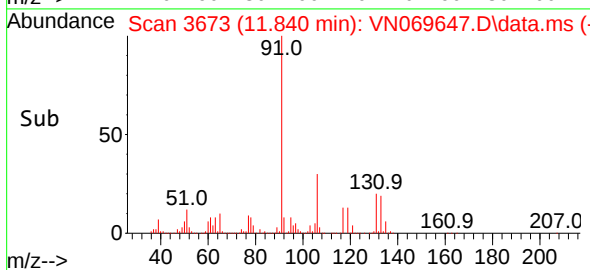
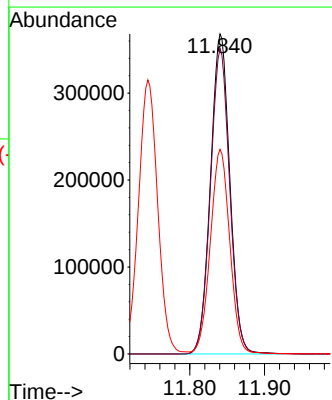
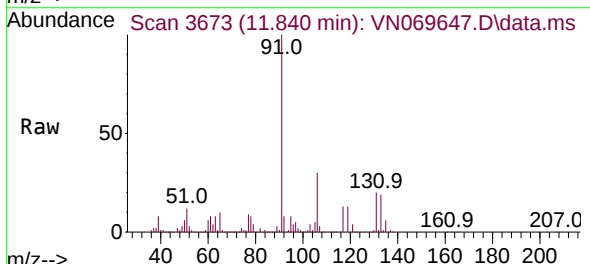
Instrument :  
MSVOA\_N  
ClientSampleId :

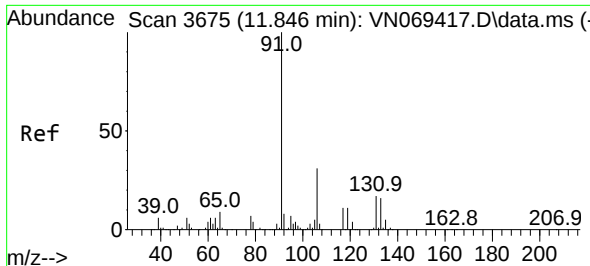
Tgt Ion:112 Resp: 1801965  
Ion Ratio Lower Upper  
112 100  
114 32.1 25.4 38.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 56.964 ug/l  
RT: 11.840 min Scan# 3673  
Delta R.T. -0.003 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

Tgt Ion:131 Resp: 660229  
Ion Ratio Lower Upper  
131 100  
133 95.0 47.9 143.7  
119 64.3 32.1 96.5





#67

Ethyl Benzene

Concen: 54.087 ug/l

RT: 11.843 min Scan# 3675

Delta R.T. -0.003 min

Lab File: VN069647.D

Acq: 24 Nov 2021 17:22

Instrument :

MSVOA\_N

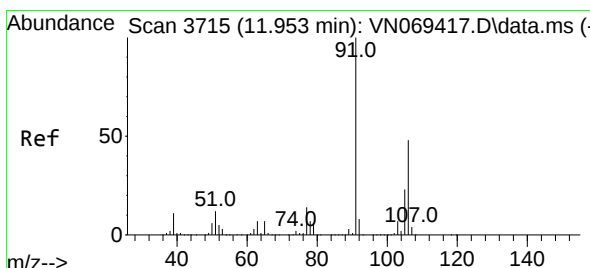
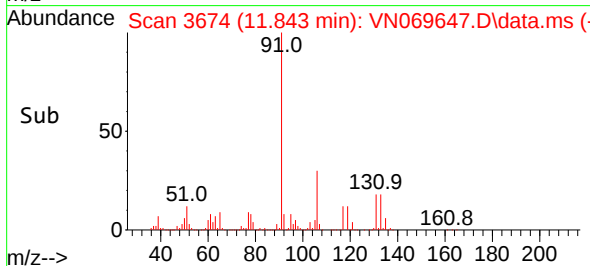
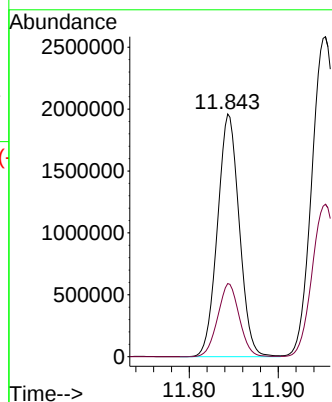
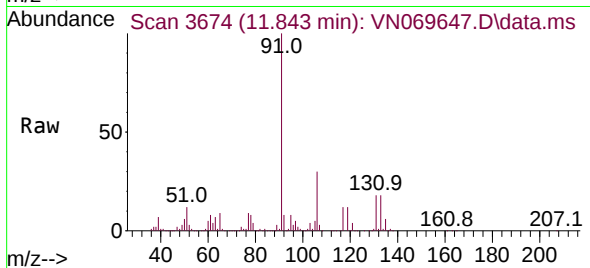
ClientSampleId :

Tgt Ion: 91 Resp: 3333320

Ion Ratio Lower Upper

91 100

106 30.1 25.7 38.5



#68

m/p-Xylenes

Concen: 107.886 ug/l

RT: 11.953 min Scan# 3715

Delta R.T. 0.000 min

Lab File: VN069647.D

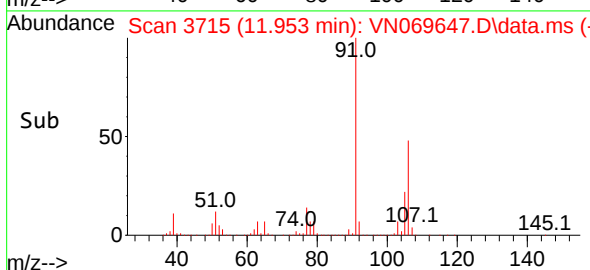
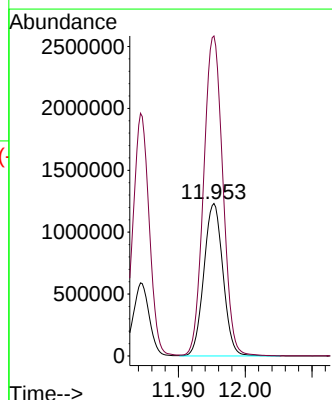
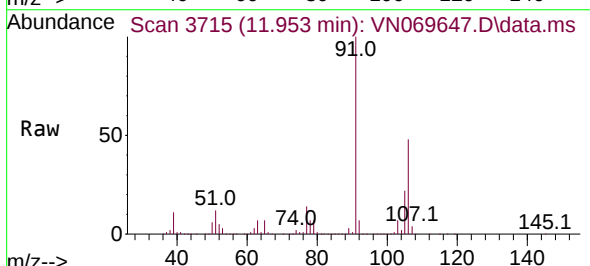
Acq: 24 Nov 2021 17:22

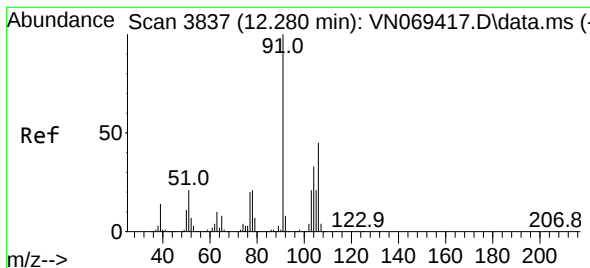
Tgt Ion:106 Resp: 2445360

Ion Ratio Lower Upper

106 100

91 211.3 160.6 240.8





#69

o-Xylene

Concen: 55.134 ug/l

RT: 12.280 min Scan# 3837

Delta R.T. 0.000 min

Lab File: VN069647.D

Acq: 24 Nov 2021 17:22

Instrument :

MSVOA\_N

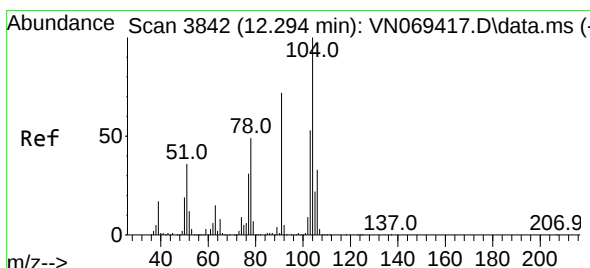
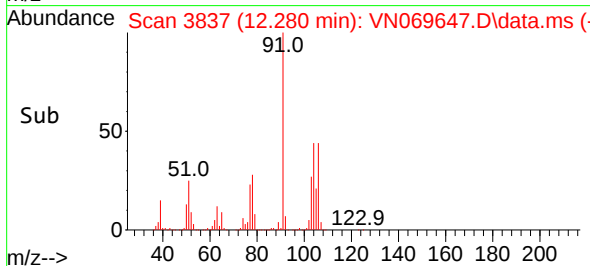
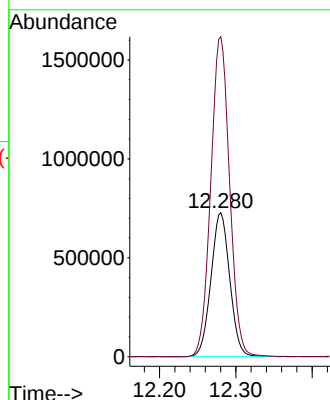
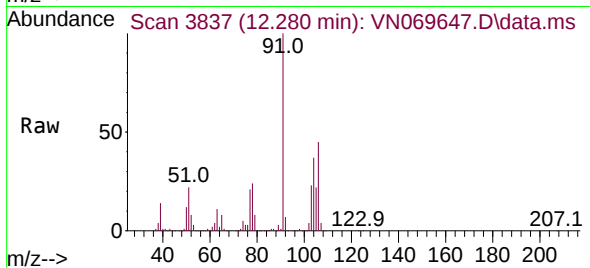
ClientSampleId :

Tgt Ion:106 Resp: 1245839

Ion Ratio Lower Upper

106 100

91 222.5 105.8 317.3



#70

Styrene

Concen: 50.407 ug/l

RT: 12.294 min Scan# 3842

Delta R.T. -0.000 min

Lab File: VN069647.D

Acq: 24 Nov 2021 17:22

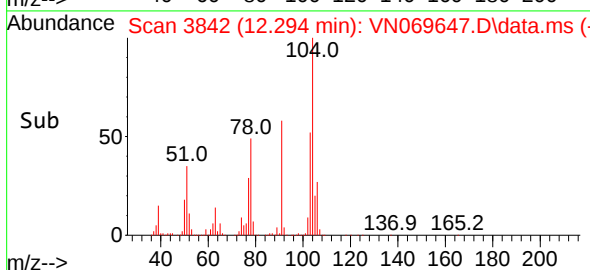
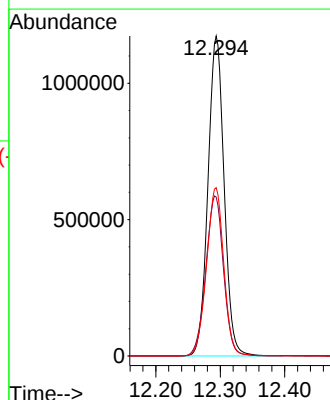
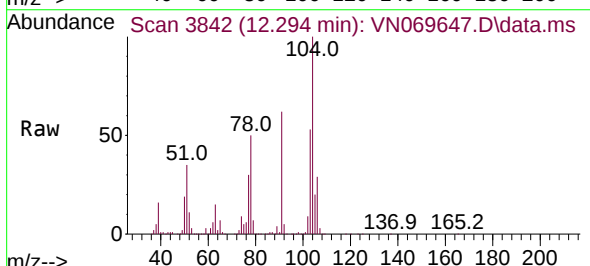
Tgt Ion:104 Resp: 2045571

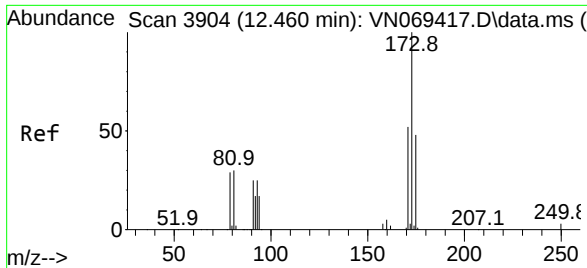
Ion Ratio Lower Upper

104 100

78 54.8 38.7 58.1

103 56.2 45.0 67.6

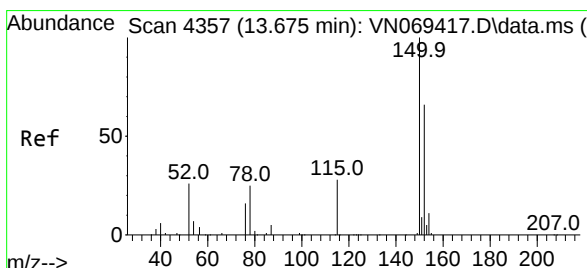
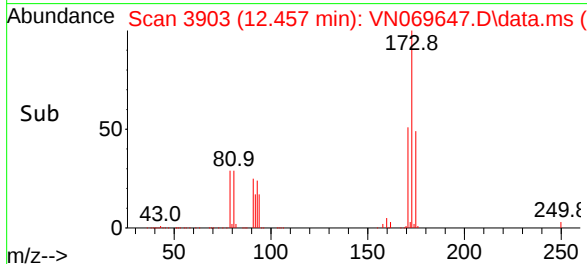
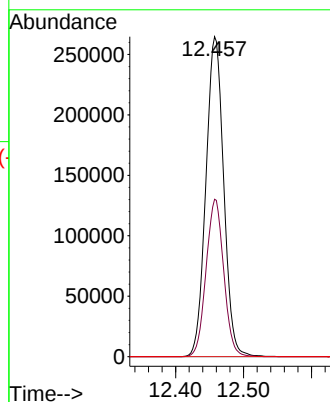
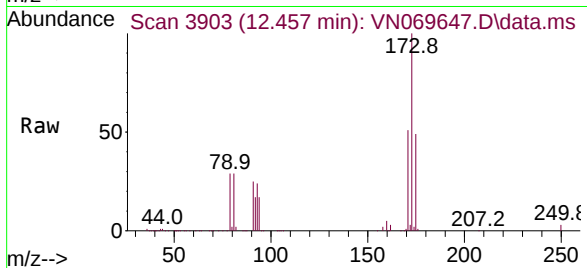




#71  
Bromoform  
Concen: 48.049 ug/l  
RT: 12.457 min Scan# 3903  
Delta R.T. -0.003 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

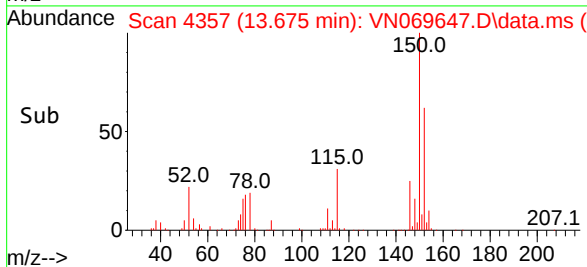
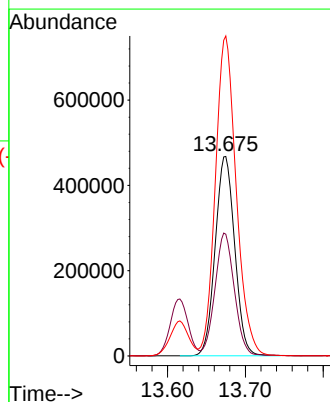
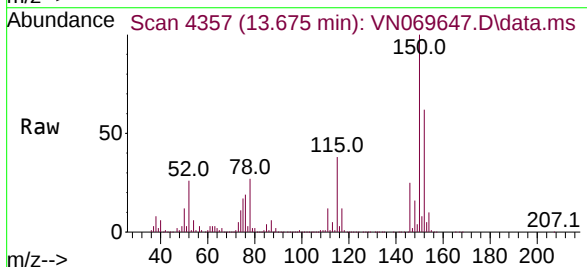
Instrument :  
MSVOA\_N  
ClientSampleId :

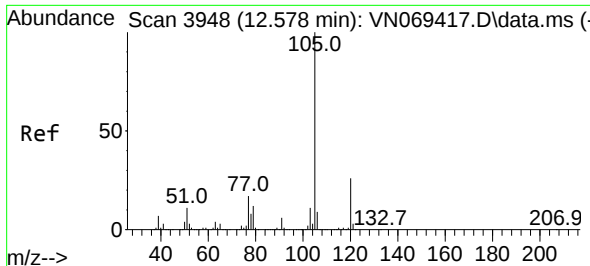
Tgt Ion:173 Resp: 482110  
Ion Ratio Lower Upper  
173 100  
175 48.8 24.2 72.6  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.675 min Scan# 4357  
Delta R.T. -0.000 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

Tgt Ion:152 Resp: 812045  
Ion Ratio Lower Upper  
152 100  
115 60.4 27.5 82.5  
150 171.2 0.0 344.4

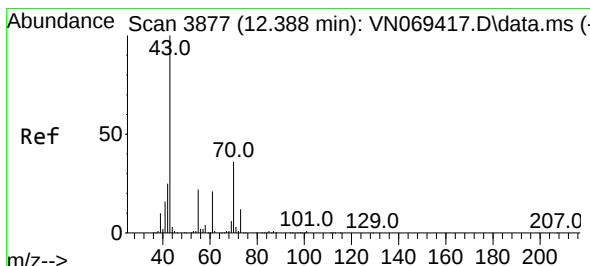
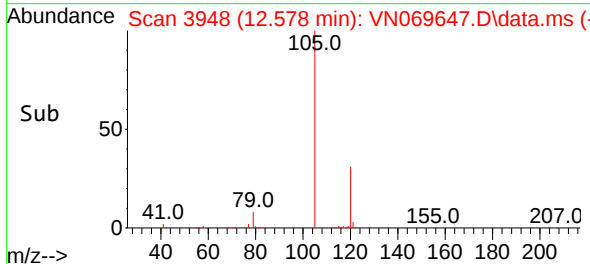
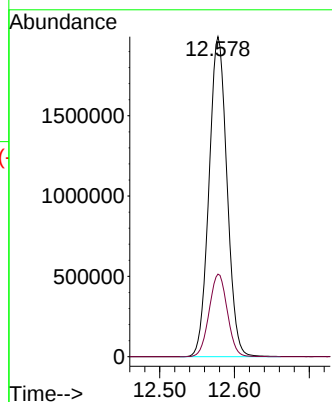
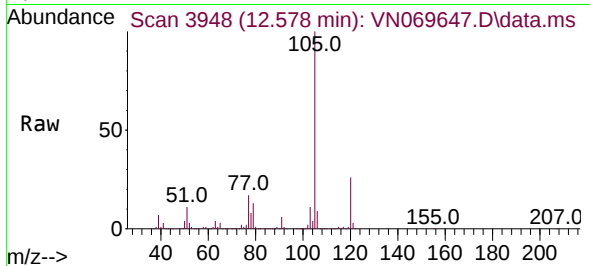




#73  
Isopropylbenzene  
Concen: 51.539 ug/l  
RT: 12.578 min Scan# 3948  
Delta R.T. -0.000 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

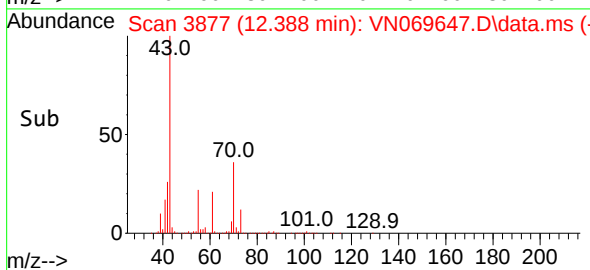
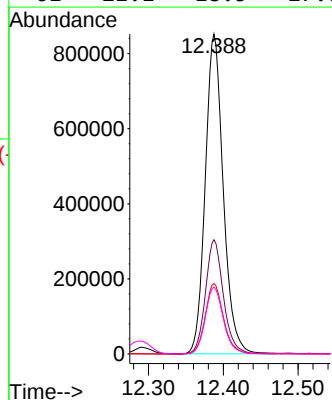
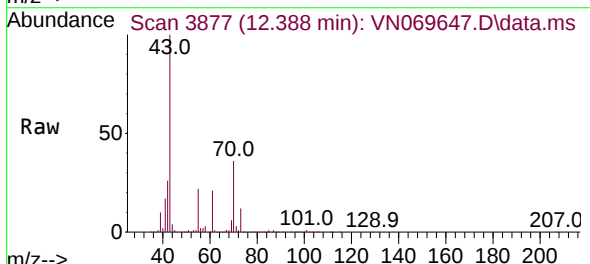
Instrument :  
MSVOA\_N  
ClientSampleId :

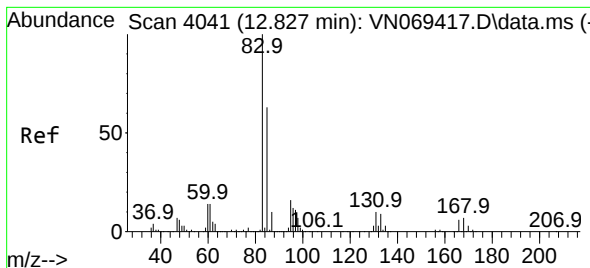
Tgt Ion:105 Resp: 3332305  
Ion Ratio Lower Upper  
105 100  
120 26.0 13.4 40.1



#74  
N-ethyl acetate  
Concen: 52.021 ug/l  
RT: 12.388 min Scan# 3877  
Delta R.T. -0.000 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

Tgt Ion: 43 Resp: 1425413  
Ion Ratio Lower Upper  
43 100  
70 35.6 33.4 50.0  
55 22.5 19.3 28.9  
61 21.1 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 50.841 ug/l

RT: 12.827 min Scan# 4041

Delta R.T. 0.000 min

Lab File: VN069647.D

Acq: 24 Nov 2021 17:22

Instrument :

MSVOA\_N

ClientSampleId :

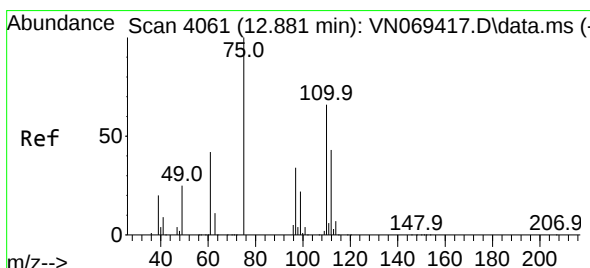
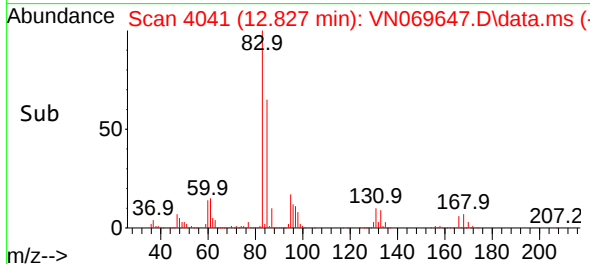
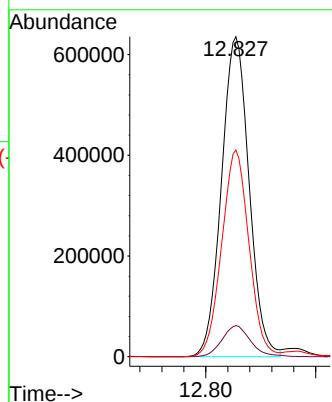
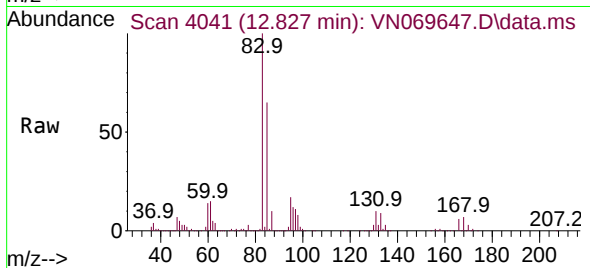
Tgt Ion: 83 Resp: 1108656

Ion Ratio Lower Upper

83 100

131 10.0 5.5 16.5

85 63.7 32.4 97.2



#76

1,2,3-Trichloropropane

Concen: 71.634 ug/l

RT: 12.881 min Scan# 4061

Delta R.T. 0.000 min

Lab File: VN069647.D

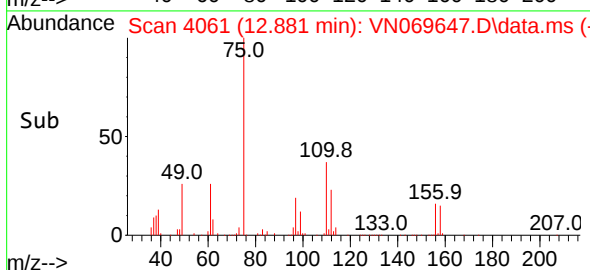
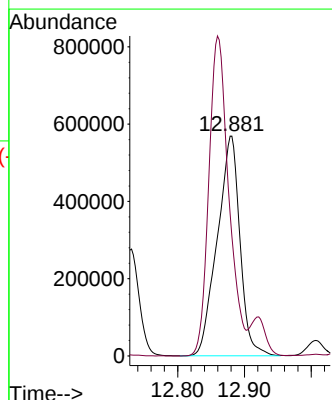
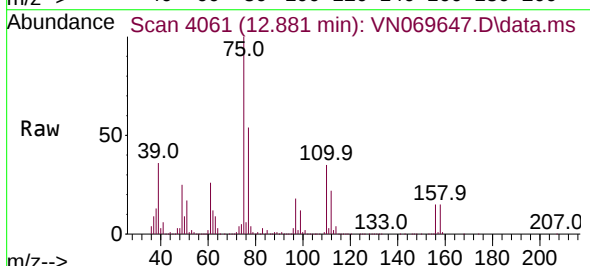
Acq: 24 Nov 2021 17:22

Tgt Ion: 75 Resp: 1342437

Ion Ratio Lower Upper

75 100

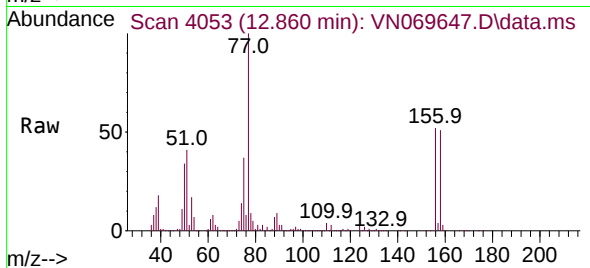
77 0.0 82.6 247.8#



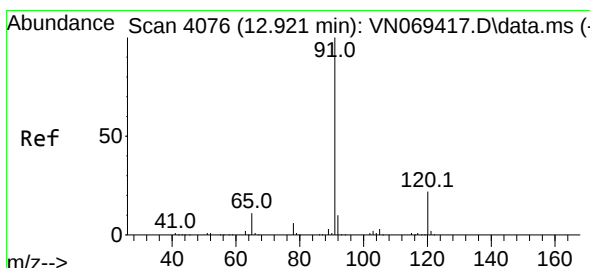
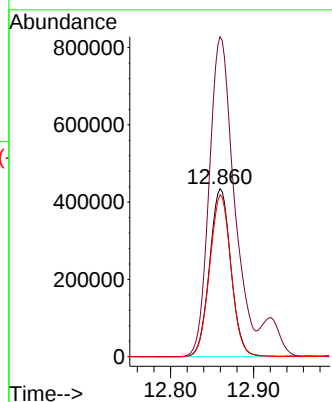
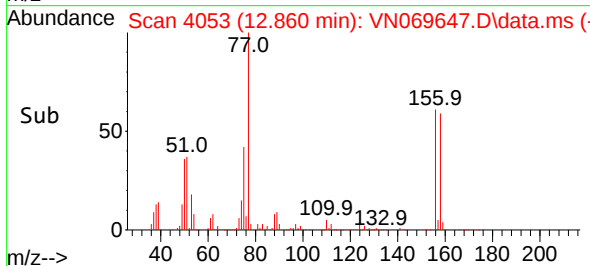


#77  
Bromobenzene  
Concen: 52.407 ug/l  
RT: 12.860 min Scan# 4054  
Delta R.T. -0.002 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

Instrument :  
MSVOA\_N  
ClientSampleId :

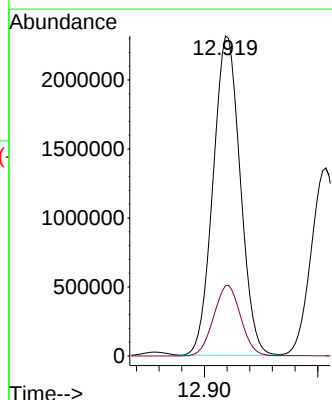
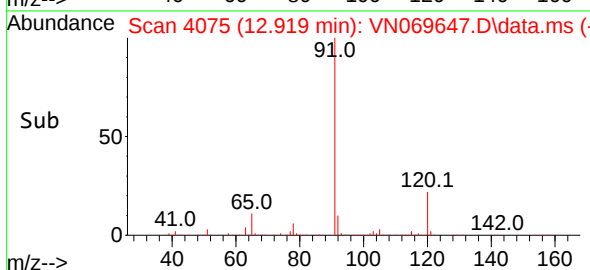
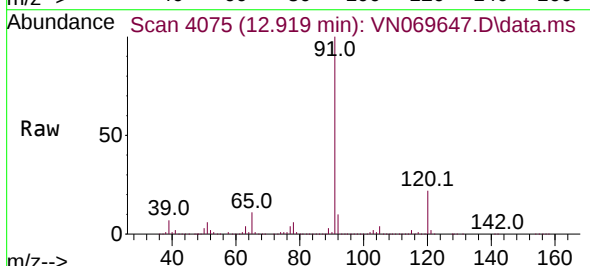


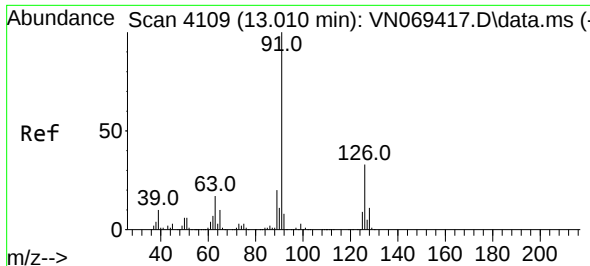
Tgt Ion:156 Resp: 774931  
Ion Ratio Lower Upper  
156 100  
77 221.2 90.6 271.8  
158 96.4 48.9 146.7



#78  
n-propylbenzene  
Concen: 52.831 ug/l  
RT: 12.919 min Scan# 4075  
Delta R.T. -0.002 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

Tgt Ion: 91 Resp: 3843562  
Ion Ratio Lower Upper  
91 100  
120 22.2 11.9 35.9

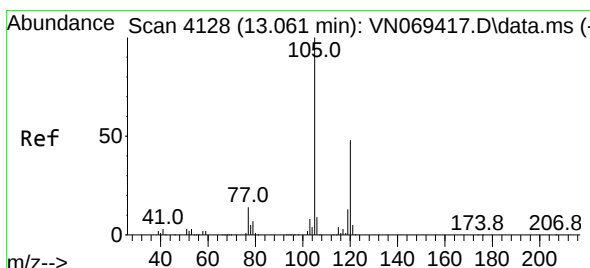
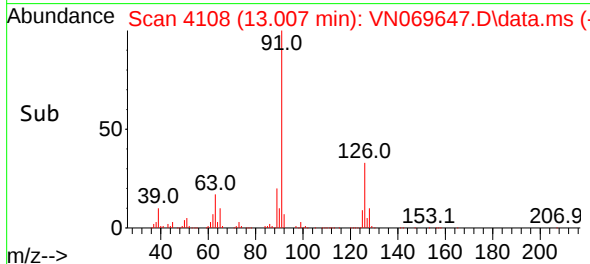
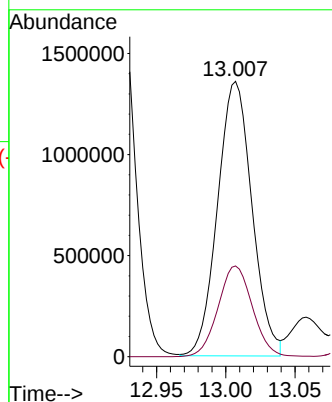
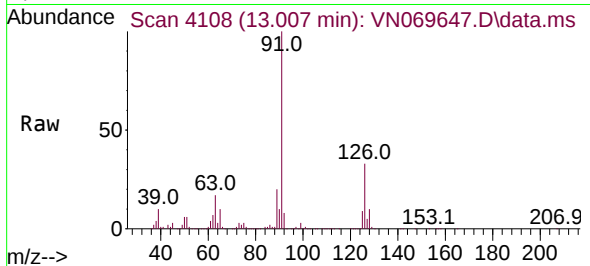




#79  
2-Chlorotoluene  
Concen: 52.186 ug/l  
RT: 13.007 min Scan# 4109  
Delta R.T. -0.003 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

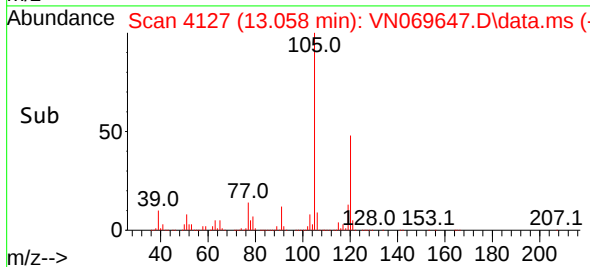
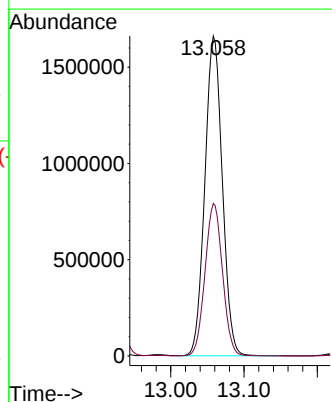
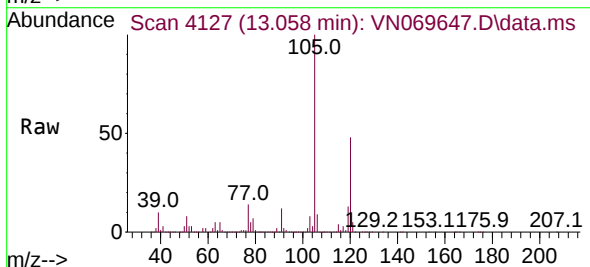
Instrument :  
MSVOA\_N  
ClientSampleId :

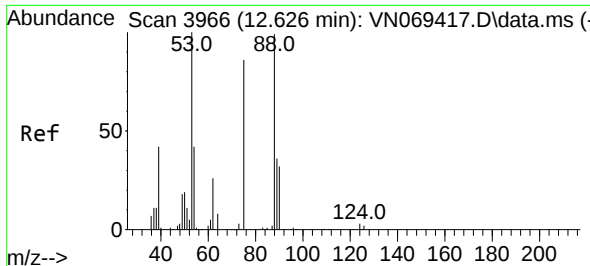
Tgt Ion: 91 Resp: 2350744  
Ion Ratio Lower Upper  
91 100  
126 33.0 18.3 54.8



#80  
1,3,5-Trimethylbenzene  
Concen: 52.544 ug/l  
RT: 13.058 min Scan# 4127  
Delta R.T. -0.003 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

Tgt Ion:105 Resp: 2746435  
Ion Ratio Lower Upper  
105 100  
120 47.7 24.6 73.6

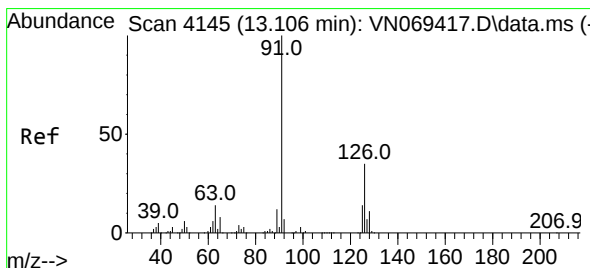
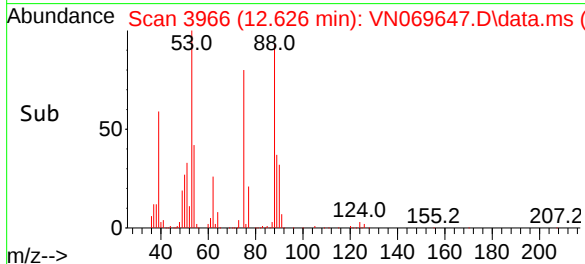
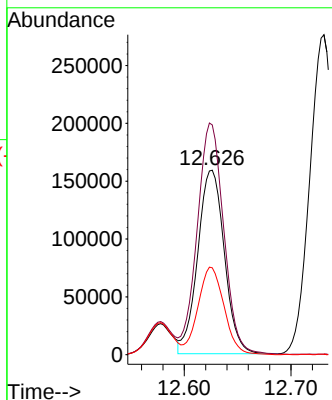
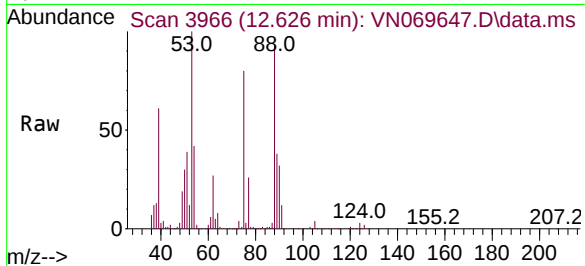




#81  
trans-1,4-Dichloro-2-butene  
Concen: 44.467 ug/l  
RT: 12.626 min Scan# 3966  
Delta R.T. 0.000 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

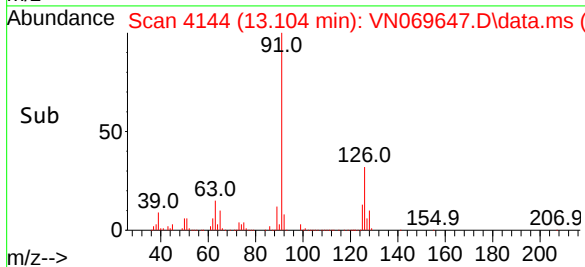
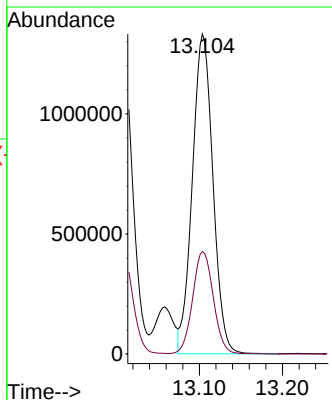
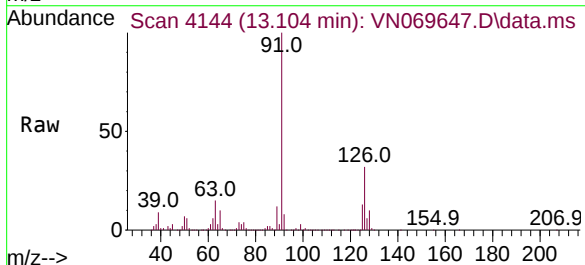
Instrument :  
MSVOA\_N  
ClientSampleId :

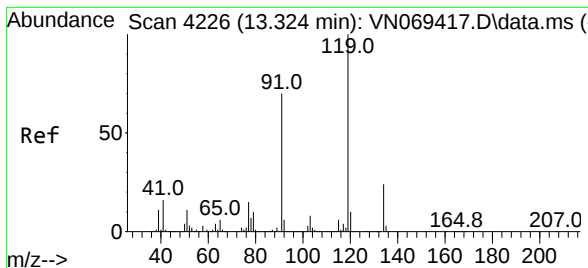
Tgt Ion: 75 Resp: 275387  
Ion Ratio Lower Upper  
75 100  
53 125.7 90.5 135.7  
89 46.8 38.2 57.4



#82  
4-Chlorotoluene  
Concen: 53.345 ug/l  
RT: 13.104 min Scan# 4144  
Delta R.T. -0.002 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

Tgt Ion: 91 Resp: 2290701  
Ion Ratio Lower Upper  
91 100  
126 32.3 18.2 54.6





#83

tert-Butylbenzene

Concen: 53.430 ug/l

RT: 13.324 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN069647.D

Acq: 24 Nov 2021 17:22

Instrument :

MSVOA\_N

ClientSampleId :

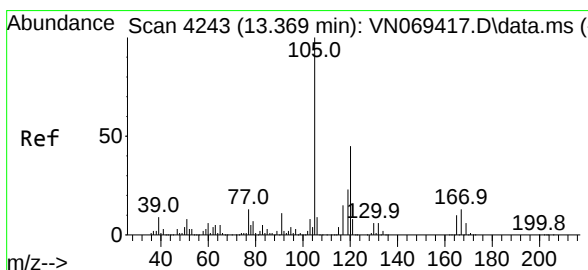
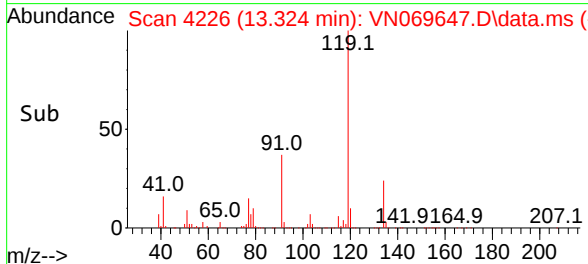
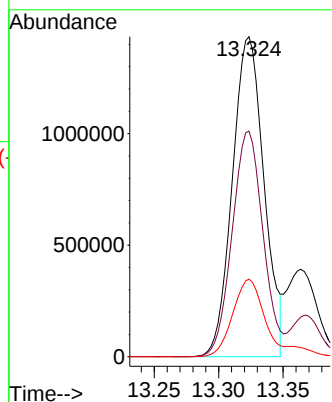
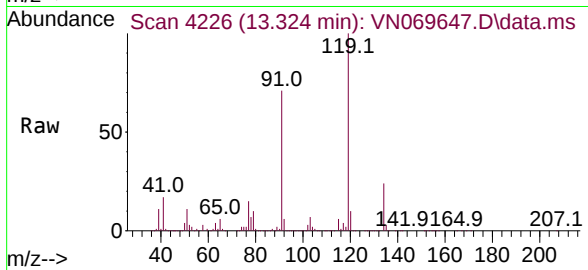
Tgt Ion:119 Resp: 2447329

Ion Ratio Lower Upper

119 100

91 69.1 31.5 94.5

134 24.1 12.4 37.4



#84

1,2,4-Trimethylbenzene

Concen: 53.426 ug/l

RT: 13.366 min Scan# 4242

Delta R.T. -0.003 min

Lab File: VN069647.D

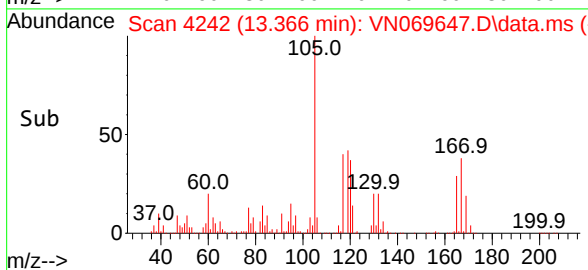
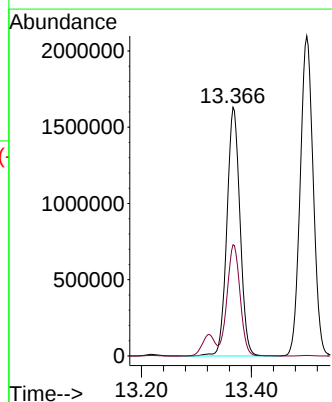
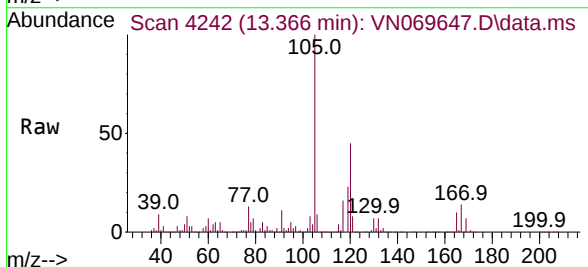
Acq: 24 Nov 2021 17:22

Tgt Ion:105 Resp: 2695871

Ion Ratio Lower Upper

105 100

120 44.6 22.8 68.4

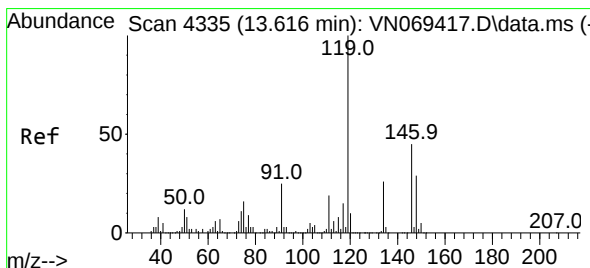
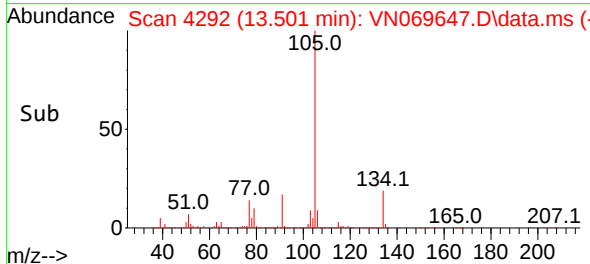
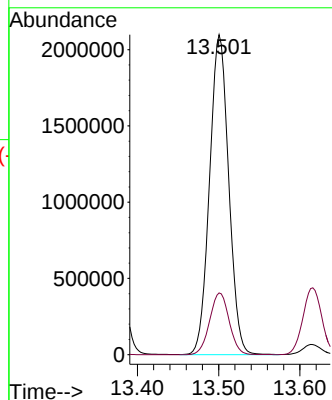
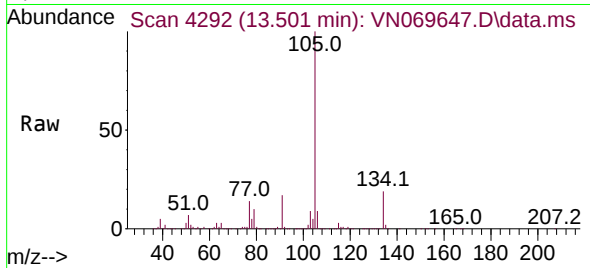




#85  
 sec-Butylbenzene  
 Concen: 53.659 ug/l  
 RT: 13.501 min Scan# 4292  
 Delta R.T. -0.002 min  
 Lab File: VN069647.D  
 Acq: 24 Nov 2021 17:22

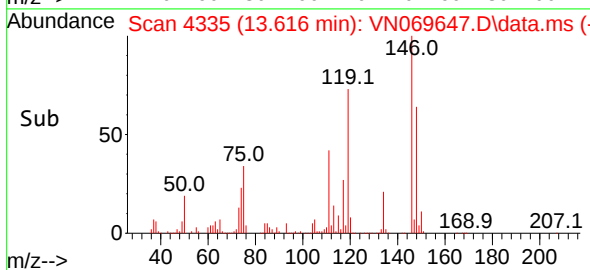
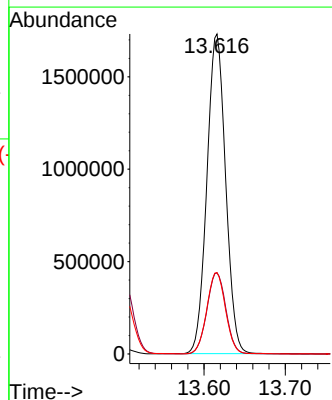
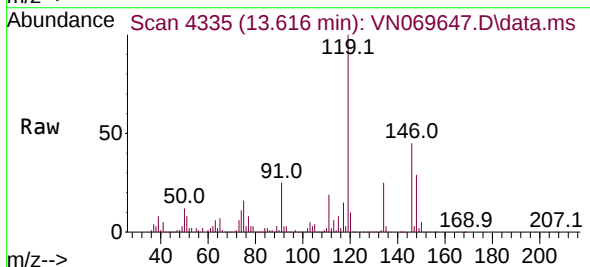
Instrument :  
 MSVOA\_N  
 ClientSampleId :

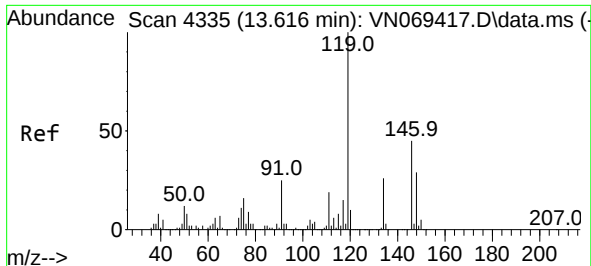
Tgt Ion:105 Resp: 3433346  
 Ion Ratio Lower Upper  
 105 100  
 134 19.7 10.4 31.1



#86  
 p-Isopropyltoluene  
 Concen: 54.381 ug/l  
 RT: 13.616 min Scan# 4335  
 Delta R.T. -0.000 min  
 Lab File: VN069647.D  
 Acq: 24 Nov 2021 17:22

Tgt Ion:119 Resp: 2762193  
 Ion Ratio Lower Upper  
 119 100  
 134 25.8 13.6 40.7  
 91 25.4 11.4 34.1

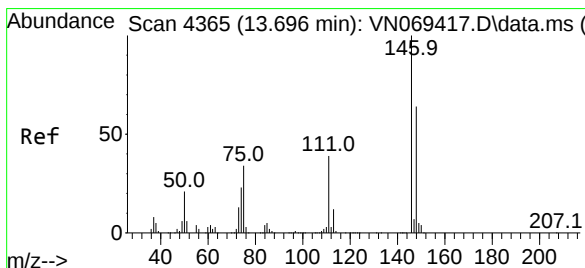
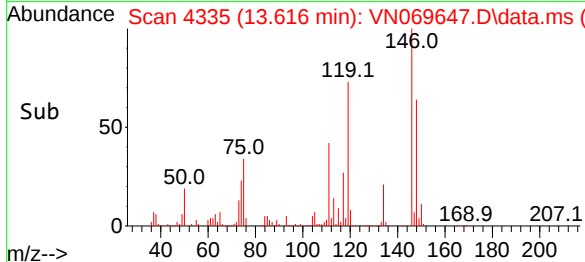
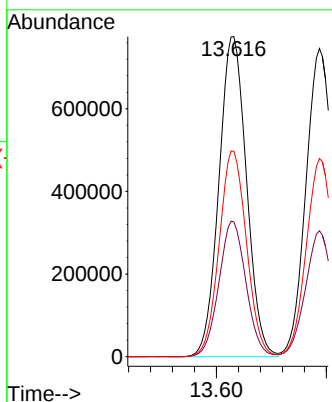
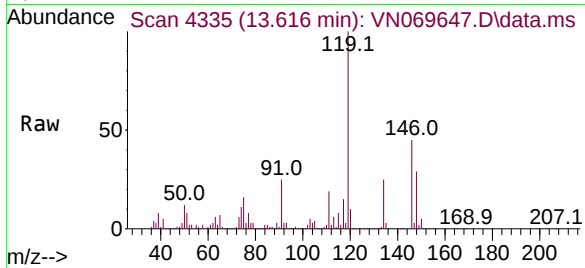




#87  
 1,3-Dichlorobenzene  
 Concen: 52.659 ug/l  
 RT: 13.616 min Scan# 4335  
 Delta R.T. -0.000 min  
 Lab File: VN069647.D  
 Acq: 24 Nov 2021 17:22

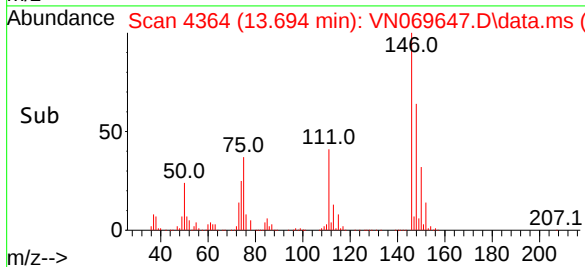
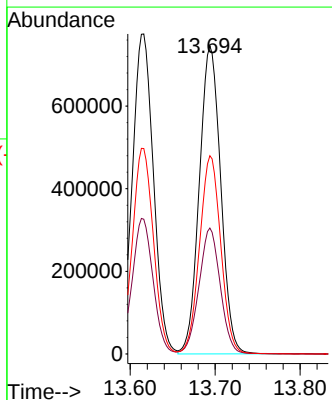
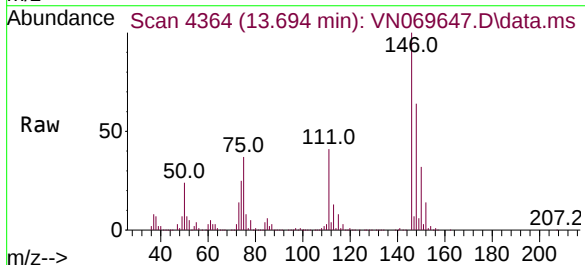
Instrument :  
 MSVOA\_N  
 ClientSampleId :

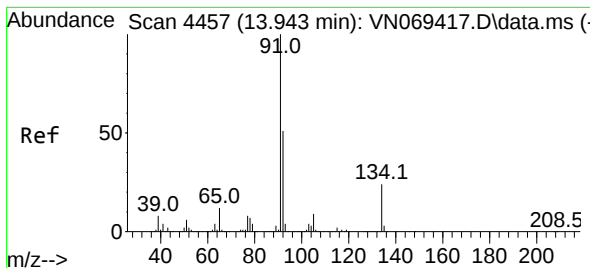
Tgt Ion:146 Resp: 1349990  
 Ion Ratio Lower Upper  
 146 100  
 111 41.6 18.6 55.6  
 148 63.8 31.6 95.0



#88  
 1,4-Dichlorobenzene  
 Concen: 51.782 ug/l  
 RT: 13.694 min Scan# 4364  
 Delta R.T. -0.002 min  
 Lab File: VN069647.D  
 Acq: 24 Nov 2021 17:22

Tgt Ion:146 Resp: 1302327  
 Ion Ratio Lower Upper  
 146 100  
 111 40.8 18.3 54.8  
 148 63.8 31.8 95.4





#89

n-Butylbenzene

Concen: 54.140 ug/l

RT: 13.943 min Scan# 4457

Delta R.T. 0.000 min

Lab File: VN069647.D

Acq: 24 Nov 2021 17:22

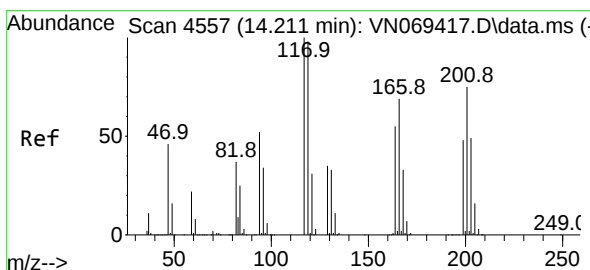
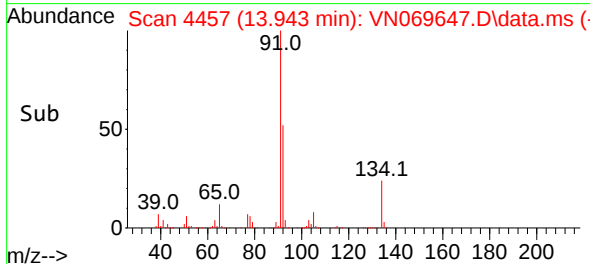
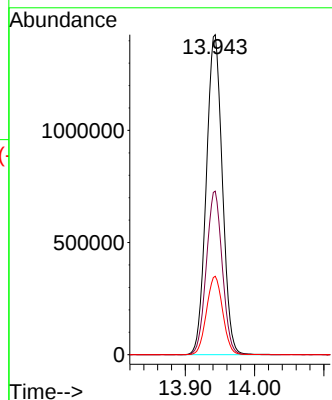
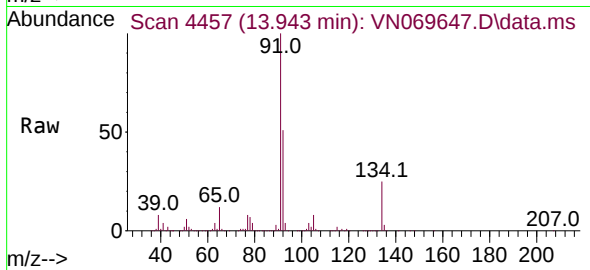
Instrument :

MSVOA\_N

ClientSampleId :

Tgt Ion: 91 Resp: 2293224

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 50.9  | 25.4  | 76.0  |
| 134 | 24.8  | 13.6  | 40.8  |



#90

Hexachloroethane

Concen: 48.851 ug/l

RT: 14.209 min Scan# 4556

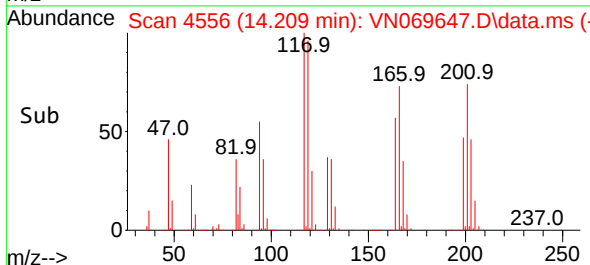
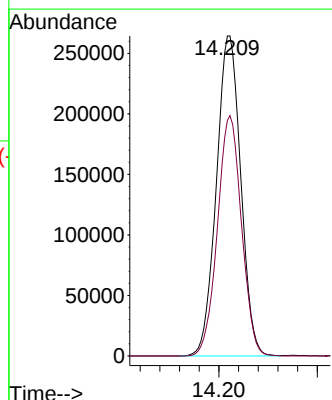
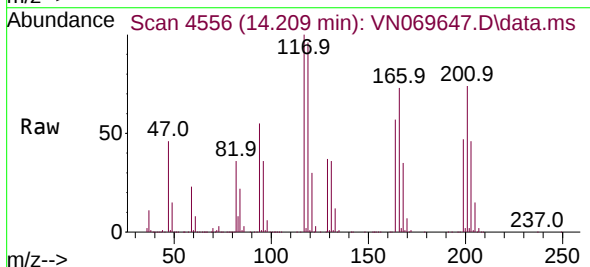
Delta R.T. -0.002 min

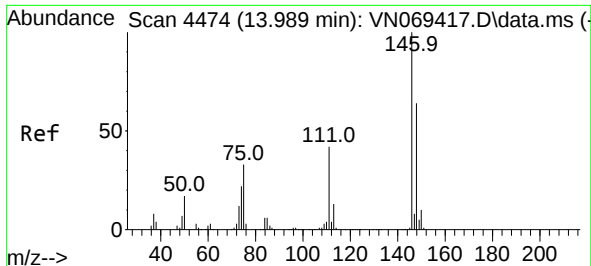
Lab File: VN069647.D

Acq: 24 Nov 2021 17:22

Tgt Ion: 117 Resp: 455608

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 201 | 74.1  | 43.9  | 131.6 |

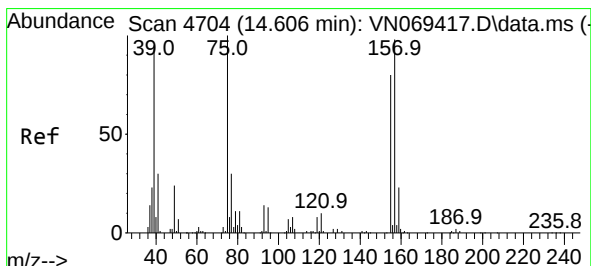
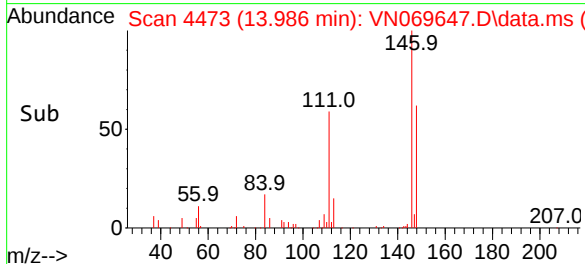
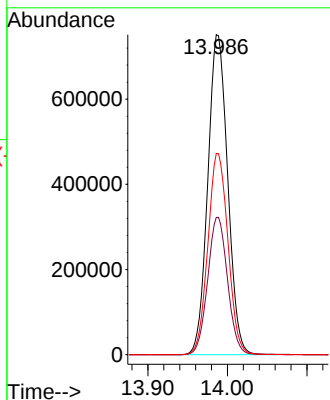
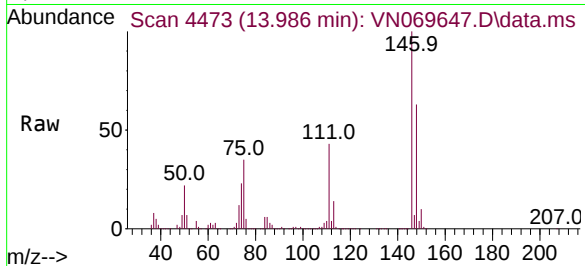




#91  
1,2-Dichlorobenzene  
Concen: 53.502 ug/l  
RT: 13.986 min Scan# 4474  
Delta R.T. -0.003 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

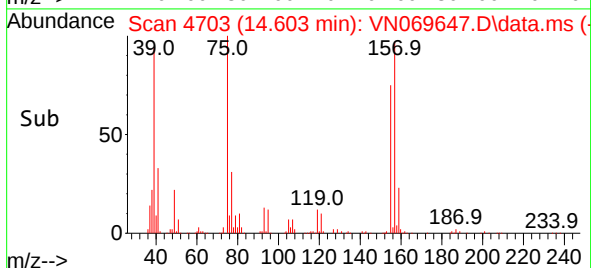
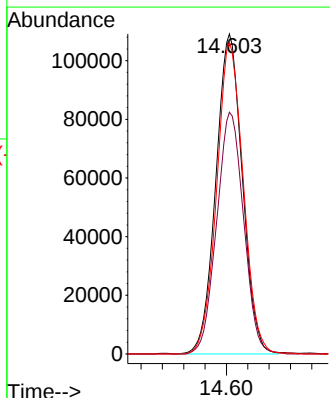
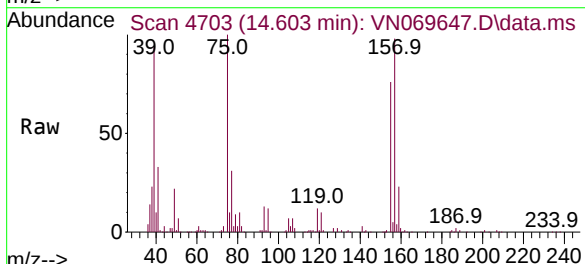
Instrument :  
MSVOA\_N  
ClientSampleId :

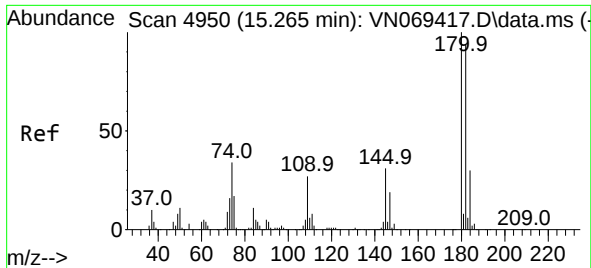
Tgt Ion:146 Resp: 1305169  
Ion Ratio Lower Upper  
146 100  
111 42.9 19.1 57.3  
148 63.6 32.1 96.3



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 46.433 ug/l  
RT: 14.603 min Scan# 4703  
Delta R.T. -0.003 min  
Lab File: VN069647.D  
Acq: 24 Nov 2021 17:22

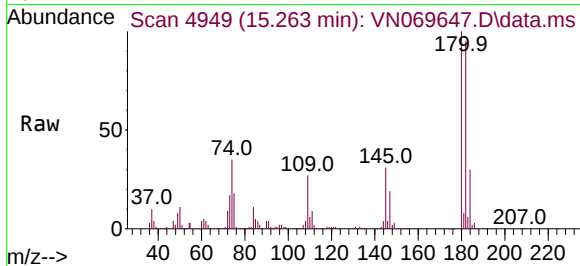
Tgt Ion: 75 Resp: 187713  
Ion Ratio Lower Upper  
75 100  
155 76.9 46.9 140.7  
157 97.3 60.6 181.7



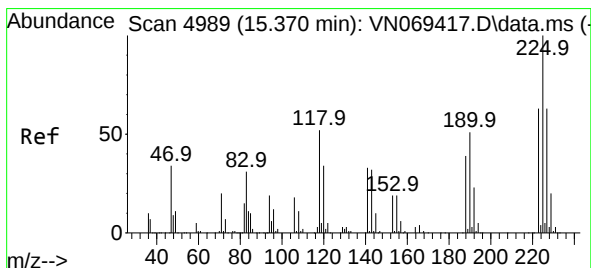
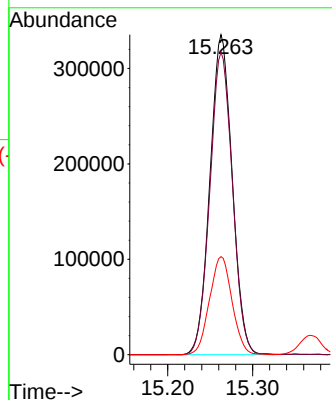
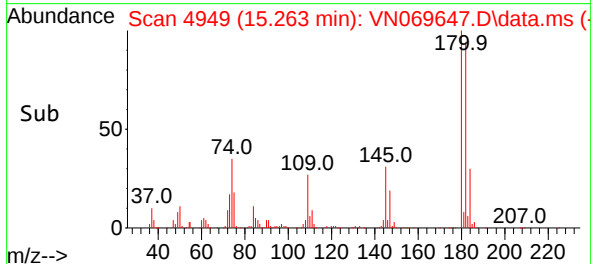


#93  
 1,2,4-Trichlorobenzene  
 Concen: 47.872 ug/l  
 RT: 15.263 min Scan# 4950  
 Delta R.T. -0.002 min  
 Lab File: VN069647.D  
 Acq: 24 Nov 2021 17:22

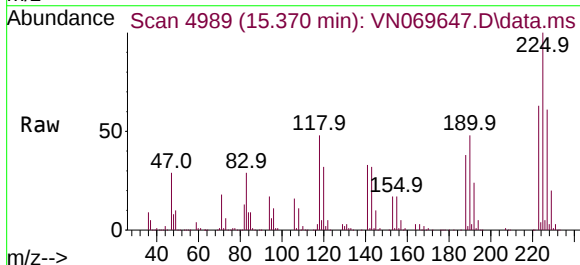
Instrument :  
 MSVOA\_N  
 ClientSampleId :



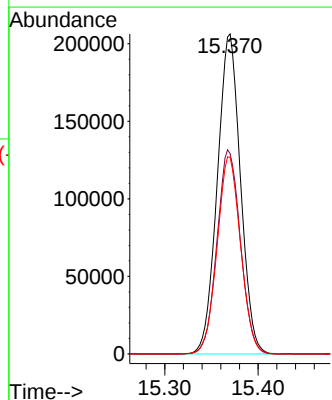
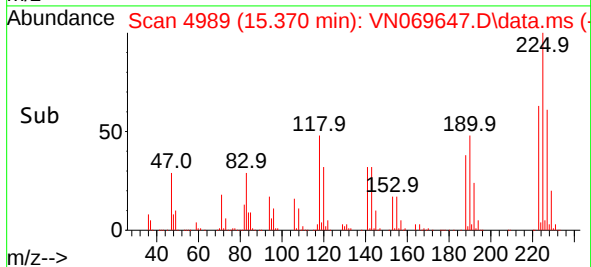
Tgt Ion:180 Resp: 610099  
 Ion Ratio Lower Upper  
 180 100  
 182 95.7 48.3 144.9  
 145 31.1 14.5 43.5

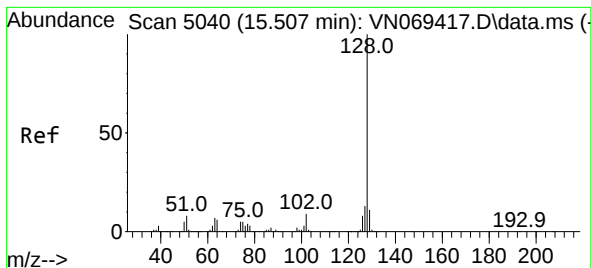


#94  
 Hexachlorobutadiene  
 Concen: 56.125 ug/l  
 RT: 15.370 min Scan# 4989  
 Delta R.T. -0.000 min  
 Lab File: VN069647.D  
 Acq: 24 Nov 2021 17:22



Tgt Ion:225 Resp: 355754  
 Ion Ratio Lower Upper  
 225 100  
 223 64.6 31.9 95.7  
 227 62.6 32.1 96.3





#95

Naphthalene

Concen: 45.348 ug/l

RT: 15.507 min Scan# 5040

Delta R.T. -0.000 min

Lab File: VN069647.D

Acq: 24 Nov 2021 17:22

Instrument :

MSVOA\_N

ClientSampleId :

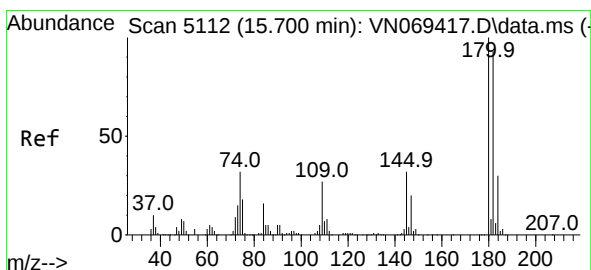
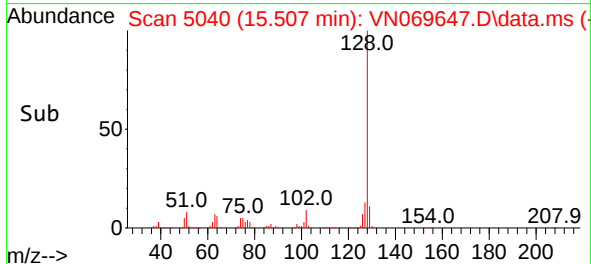
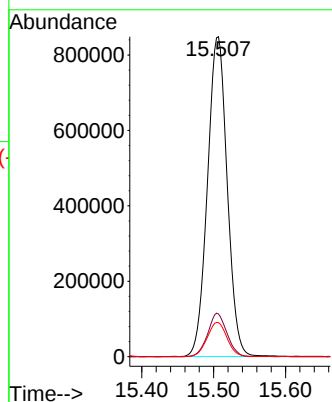
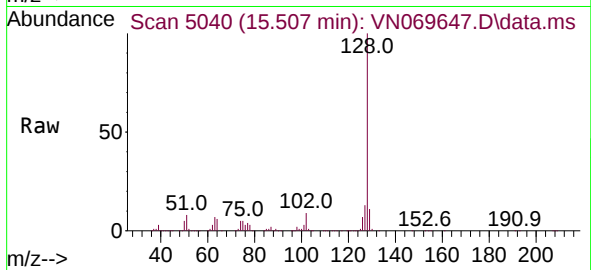
Tgt Ion:128 Resp: 1618319

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 10.9 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 48.330 ug/l

RT: 15.700 min Scan# 5112

Delta R.T. -0.000 min

Lab File: VN069647.D

Acq: 24 Nov 2021 17:22

Tgt Ion:180 Resp: 589338

Ion Ratio Lower Upper

180 100

182 95.3 47.4 142.2

145 33.0 15.0 45.1

