

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022822\  
 Data File : VN071090.D  
 Acq On : 28 Feb 2022 12:38  
 Operator : JC\MD  
 Sample : VN0228MBS01  
 Misc : 5.00g/10.0mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0228MBS01

Quant Time: Feb 28 16:08:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021522W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 21 07:57:15 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.081  | 168  | 598288   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.963  | 114  | 956464   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.739 | 117  | 853949   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.668 | 152  | 348054   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.433  | 65    | 390344   | 57.115   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | = 114.240% |      |
| 35) Dibromofluoromethane    | 8.016  | 113   | 308823   | 54.284   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | = 108.560% |      |
| 50) Toluene-d8              | 10.439 | 98    | 1226710  | 53.693   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | = 107.380% |      |
| 62) 4-Bromofluorobenzene    | 12.727 | 95    | 408055   | 49.967   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | = 99.940%  |      |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 2.069 | 85  | 120057  | 19.320  | ug/l   | 98  |
| 3) Chloromethane             | 2.299 | 50  | 162090  | 20.752  | ug/l   | 100 |
| 4) Vinyl Chloride            | 2.446 | 62  | 149410  | 19.109  | ug/l   | 98  |
| 5) Bromomethane              | 2.857 | 94  | 89378   | 20.123  | ug/l   | 94  |
| 6) Chloroethane              | 3.016 | 64  | 107895  | 21.034  | ug/l   | 97  |
| 7) Trichlorofluoromethane    | 3.381 | 101 | 206565  | 21.081  | ug/l   | 97  |
| 8) Diethyl Ether             | 3.828 | 74  | 87321   | 20.500  | ug/l   | 93  |
| 9) 1,1,2-Trichlorotrifluo... | 4.216 | 101 | 124578  | 20.722  | ug/l   | 95  |
| 10) Methyl Iodide            | 4.422 | 142 | 164859  | 19.800  | ug/l   | 99  |
| 11) Tert butyl alcohol       | 5.351 | 59  | 132058  | 106.027 | ug/l   | 99  |
| 12) 1,1-Dichloroethene       | 4.181 | 96  | 116860  | 19.951  | ug/l   | 96  |
| 13) Acrolein                 | 4.040 | 56  | 96583   | 86.780  | ug/l   | 98  |
| 14) Allyl chloride           | 4.845 | 41  | 240975  | 21.572  | ug/l   | 87  |
| 15) Acrylonitrile            | 5.545 | 53  | 437022  | 119.121 | ug/l   | 99  |
| 16) Acetone                  | 4.281 | 43  | 395365  | 105.043 | ug/l   | 95  |
| 17) Carbon Disulfide         | 4.534 | 76  | 283139  | 16.857  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.857 | 43  | 205853  | 24.673  | ug/l   | 97  |
| 19) Methyl tert-butyl Ether  | 5.610 | 73  | 455939  | 22.191  | ug/l   | 96  |
| 20) Methylene Chloride       | 5.093 | 84  | 145729  | 21.304  | ug/l   | 93  |
| 21) trans-1,2-Dichloroethene | 5.598 | 96  | 126118  | 20.061  | ug/l   | 92  |
| 22) Diisopropyl ether        | 6.492 | 45  | 522384  | 24.382  | ug/l   | 93  |
| 23) Vinyl Acetate            | 6.428 | 43  | 2144218 | 118.228 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 6.381 | 63  | 269052  | 22.402  | ug/l   | 98  |
| 25) 2-Butanone               | 7.328 | 43  | 599606  | 119.754 | ug/l   | 96  |
| 26) 2,2-Dichloropropane      | 7.322 | 77  | 216625  | 21.702  | ug/l   | 97  |
| 27) cis-1,2-Dichloroethene   | 7.328 | 96  | 152745  | 21.140  | ug/l   | 89  |
| 28) Bromochloromethane       | 7.651 | 49  | 92455   | 19.020  | ug/l   | 85  |
| 29) Tetrahydrofuran          | 7.681 | 42  | 403294  | 124.335 | ug/l   | 92  |
| 30) Chloroform               | 7.816 | 83  | 261762  | 22.160  | ug/l   | 99  |
| 31) Cyclohexane              | 8.092 | 56  | 251199  | 21.252  | ug/l   | 99  |
| 32) 1,1,1-Trichloroethane    | 8.010 | 97  | 221451  | 21.709  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 8.216 | 75  | 189432  | 20.324  | ug/l   | 96  |
| 37) Ethyl Acetate            | 7.404 | 43  | 240181  | 24.028  | ug/l   | 98  |
| 38) Carbon Tetrachloride     | 8.204 | 117 | 191015  | 20.800  | ug/l   | 97  |
| 39) Methylcyclohexane        | 9.457 | 83  | 231600  | 19.311  | ug/l   | 93  |
| 40) Benzene                  | 8.457 | 78  | 593810  | 21.538  | ug/l   | 99  |

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 Sample : VN0228MBS01  
 Misc : 5.00g/10.0mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0228MBS01

Quant Time: Feb 28 16:08:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021522W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 21 07:57:15 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.628  | 41   | 113632   | 21.584  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 8.528  | 62   | 213312   | 22.717  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.557  | 43   | 381210   | 24.195  | ug/l   | 96       |
| 44) Trichloroethene           | 9.210  | 130  | 141652   | 19.511  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.486  | 63   | 160958   | 22.791  | ug/l   | 99       |
| 46) Dibromomethane            | 9.575  | 93   | 97558    | 20.991  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.757  | 83   | 196645   | 20.935  | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.551  | 41   | 175059   | 23.473  | ug/l # | 83       |
| 49) 1,4-Dioxane               | 9.563  | 88   | 54741    | 413.266 | ug/l # | 86       |
| 51) 4-Methyl-2-Pentanone      | 10.327 | 43   | 1153175  | 120.294 | ug/l   | 99       |
| 52) Toluene                   | 10.498 | 92   | 365980   | 21.125  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.716 | 75   | 211135   | 20.672  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.180 | 75   | 235777   | 21.020  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.892 | 97   | 147577   | 21.762  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.757 | 69   | 223784   | 21.903  | ug/l   | 90       |
| 57) 1,3-Dichloropropane       | 11.039 | 76   | 255151   | 21.752  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.033 | 63   | 161119   | 93.676  | ug/l   | 96       |
| 59) 2-Hexanone                | 11.080 | 43   | 785220   | 119.099 | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.233 | 129  | 148213   | 20.681  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.339 | 107  | 141541   | 20.521  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.975 | 164  | 125120   | 18.814  | ug/l   | 99       |
| 65) Chlorobenzene             | 11.763 | 112  | 375217   | 20.391  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.833 | 131  | 141579   | 21.107  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.839 | 91   | 678671   | 21.073  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.945 | 106  | 509668   | 40.969  | ug/l   | 97       |
| 69) o-Xylene                  | 12.274 | 106  | 253854   | 20.889  | ug/l   | 98       |
| 70) Styrene                   | 12.286 | 104  | 400258   | 20.714  | ug/l   | 97       |
| 71) Bromoform                 | 12.451 | 173  | 106525   | 19.941  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.574 | 105  | 655204   | 23.387  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.386 | 43   | 214878   | 23.995  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.821 | 83   | 223294   | 25.082  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 12.874 | 75   | 249171   | 30.405  | ug/l   | 75       |
| 77) Bromobenzene              | 12.857 | 156  | 152714   | 22.267  | ug/l   | 84       |
| 78) n-propylbenzene           | 12.916 | 91   | 714827   | 22.710  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 13.004 | 91   | 448402   | 23.458  | ug/l   | 93       |
| 80) 1,3,5-Trimethylbenzene    | 13.051 | 105  | 526435   | 23.194  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.621 | 75   | 58910    | 23.294  | ug/l   | 88       |
| 82) 4-Chlorotoluene           | 13.098 | 91   | 417069   | 22.477  | ug/l   | 94       |
| 83) tert-Butylbenzene         | 13.321 | 119  | 476553   | 22.140  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.363 | 105  | 509368   | 22.798  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.498 | 105  | 636618   | 22.446  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.610 | 119  | 506429   | 21.750  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.610 | 146  | 250847   | 20.662  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.692 | 146  | 241007   | 20.262  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.939 | 91   | 357906   | 18.841  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.204 | 117  | 91684    | 22.049  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 13.986 | 146  | 247775   | 21.734  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.598 | 75   | 32647    | 22.634  | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 15.257 | 180  | 97194    | 16.560  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.362 | 225  | 72421    | 17.420  | ug/l   | 98       |
| 95) Naphthalene               | 15.504 | 128  | 181763   | 15.505  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.698 | 180  | 88529    | 16.748  | ug/l   | 99       |

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Sample : VN0228MBS01  
Misc : 5.00g/10.0mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 5 Sample Multiplier: 1

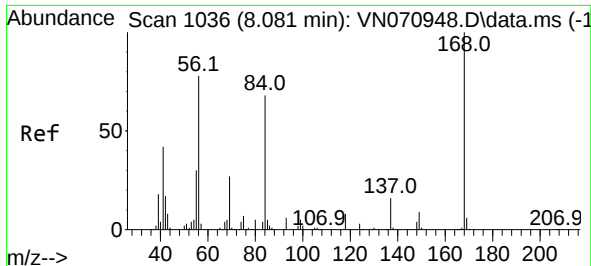
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

Quant Time: Feb 28 16:08:07 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021522W.M  
Quant Title : SW846 8260  
QLast Update : Mon Feb 21 07:57:15 2022  
Response via : Initial Calibration

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

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

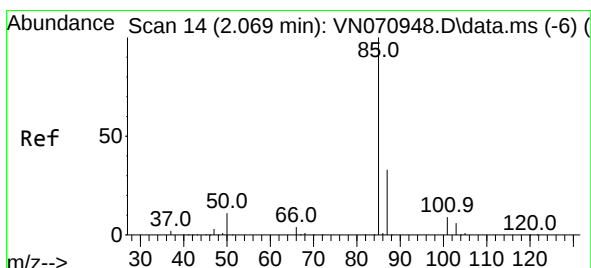
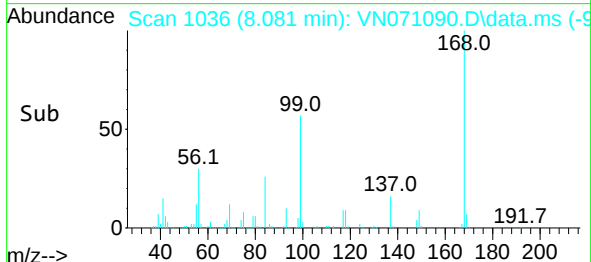
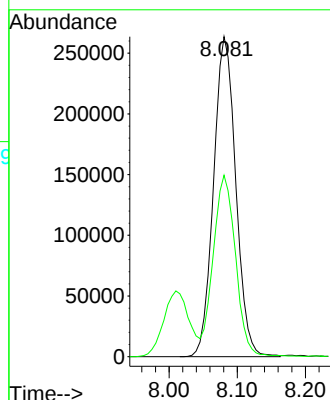
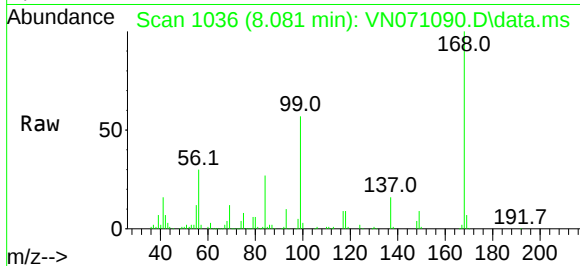




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.081 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

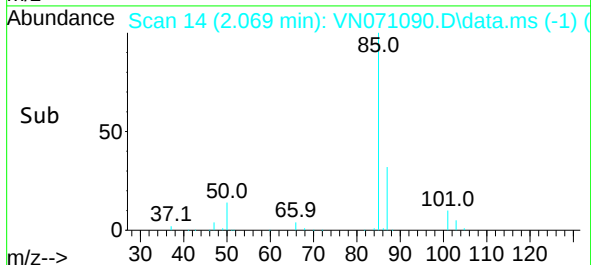
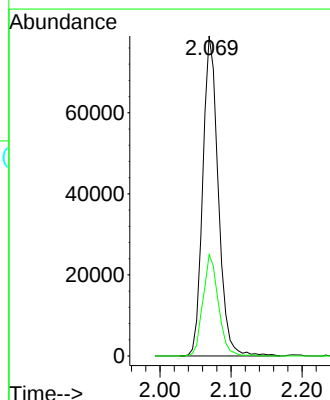
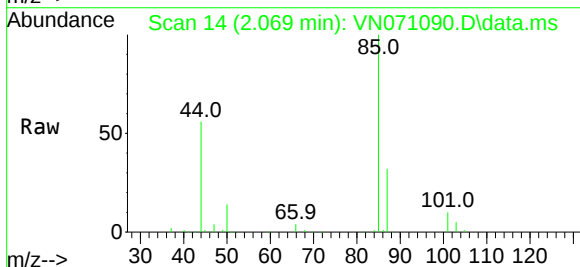
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

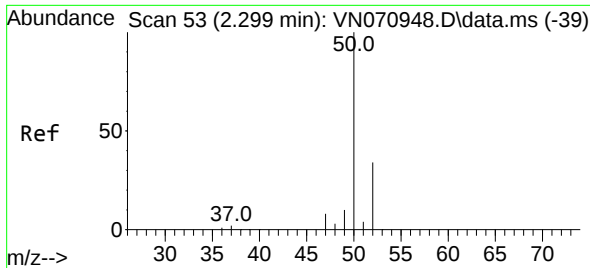
Tgt Ion:168 Resp: 598288  
Ion Ratio Lower Upper  
168 100  
99 56.4 41.3 61.9



#2  
Dichlorodifluoromethane  
Concen: 19.320 ug/l  
RT: 2.069 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

Tgt Ion: 85 Resp: 120057  
Ion Ratio Lower Upper  
85 100  
87 31.7 16.3 48.9

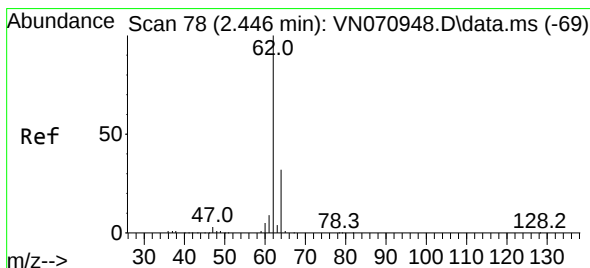
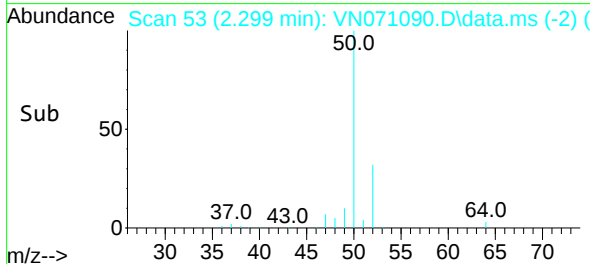
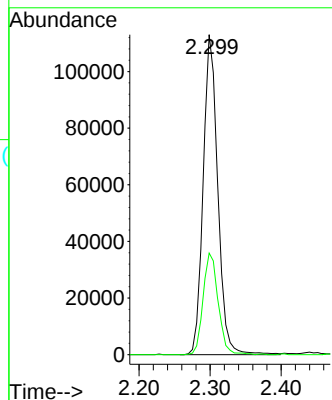
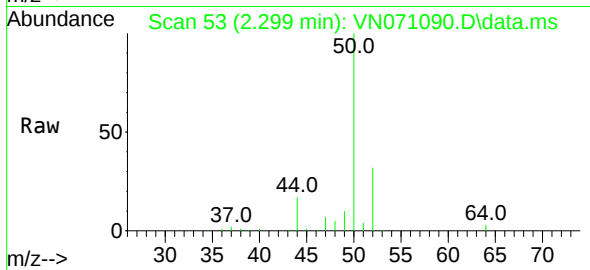




#3  
Chloromethane  
Concen: 20.752 ug/l  
RT: 2.299 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

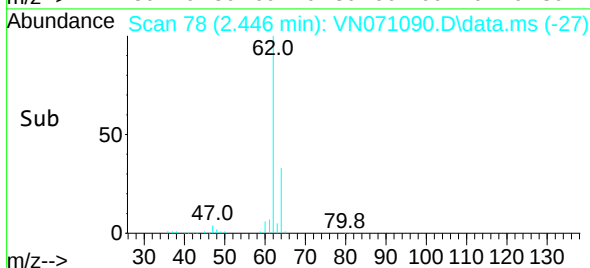
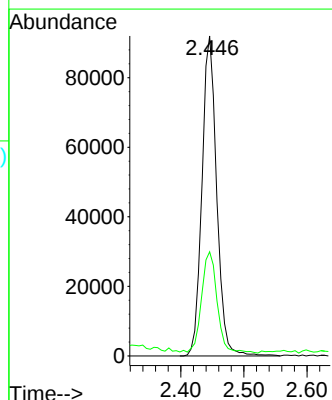
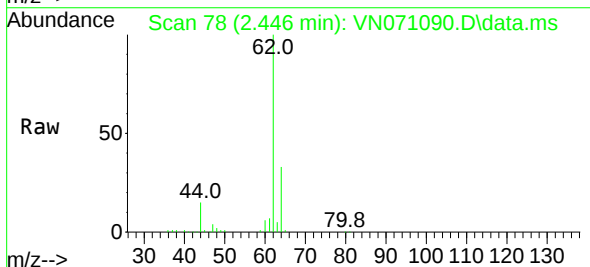
Instrument :  
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ClientSampleId :  
VN0228MBS01

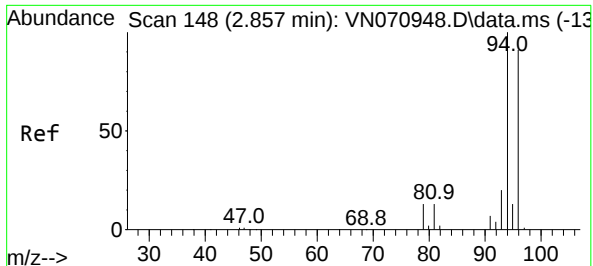
Tgt Ion: 50 Resp: 162090  
Ion Ratio Lower Upper  
50 100  
52 31.8 25.4 38.0



#4  
Vinyl Chloride  
Concen: 19.109 ug/l  
RT: 2.446 min Scan# 78  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

Tgt Ion: 62 Resp: 149410  
Ion Ratio Lower Upper  
62 100  
64 31.3 25.8 38.6

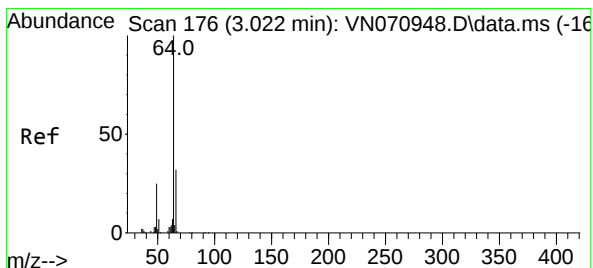
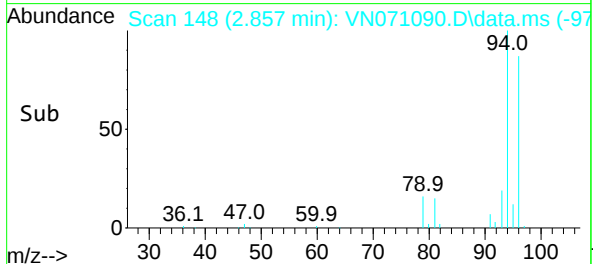
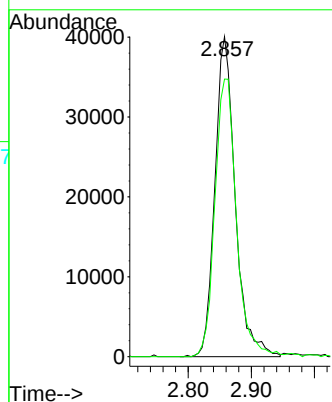
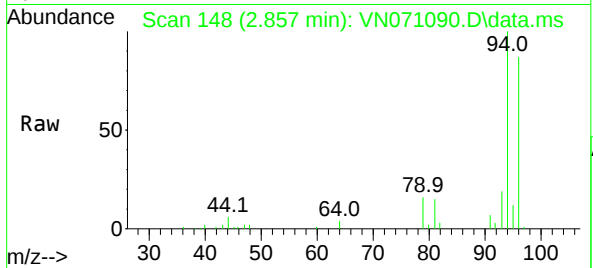




#5  
Bromomethane  
Concen: 20.123 ug/l  
RT: 2.857 min Scan# 148  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

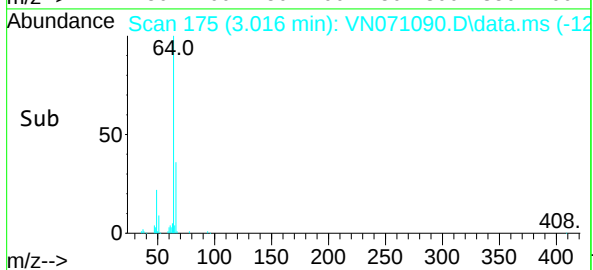
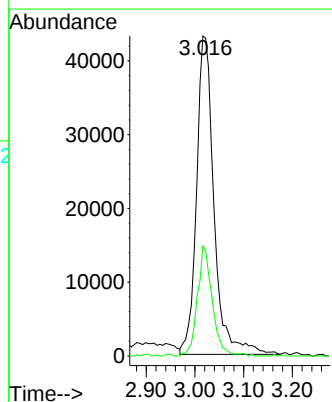
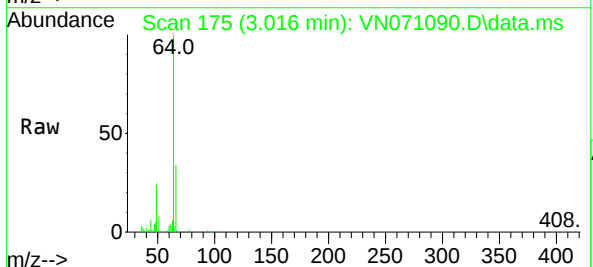
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

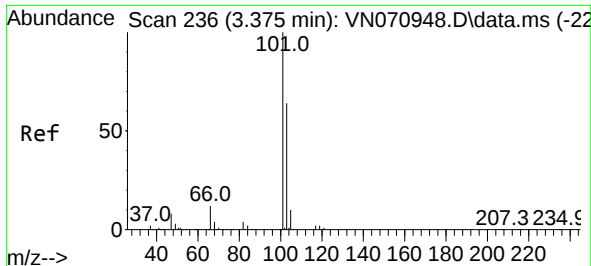
Tgt Ion: 94 Resp: 89378  
Ion Ratio Lower Upper  
94 100  
96 86.7 73.8 110.8



#6  
Chloroethane  
Concen: 21.034 ug/l  
RT: 3.016 min Scan# 175  
Delta R.T. -0.006 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

Tgt Ion: 64 Resp: 107895  
Ion Ratio Lower Upper  
64 100  
66 34.6 26.3 39.5

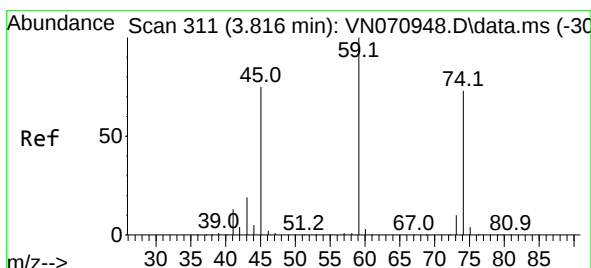
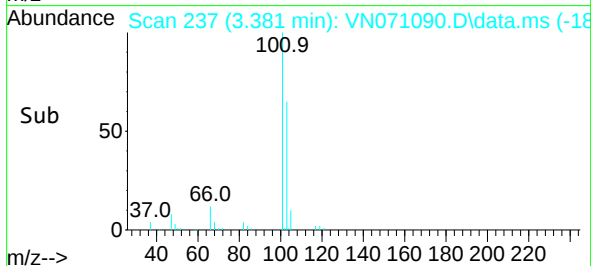
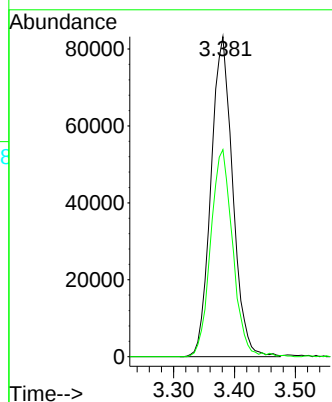
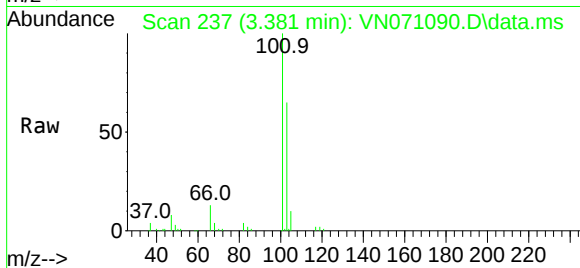




#7  
Trichlorofluoromethane  
Concen: 21.081 ug/l  
RT: 3.381 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

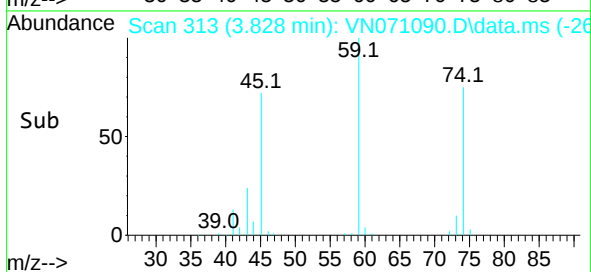
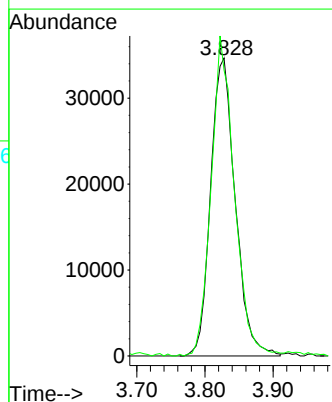
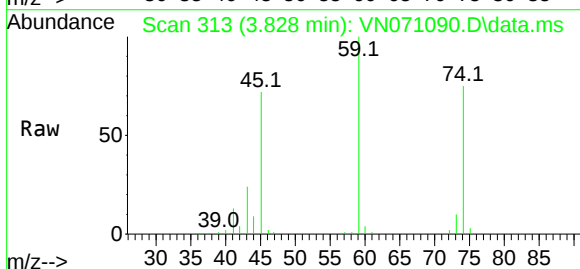
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

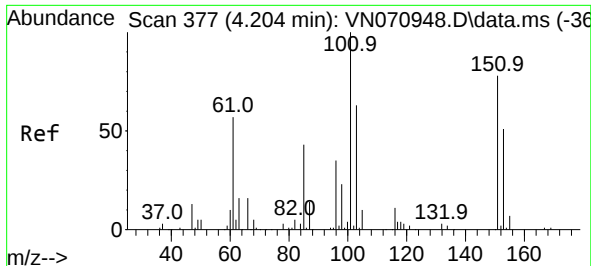
Tgt Ion:101 Resp: 206565  
Ion Ratio Lower Upper  
101 100  
103 64.7 50.1 75.1



#8  
Diethyl Ether  
Concen: 20.500 ug/l  
RT: 3.828 min Scan# 313  
Delta R.T. 0.012 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

Tgt Ion: 74 Resp: 87321  
Ion Ratio Lower Upper  
74 100  
45 101.1 47.0 141.2

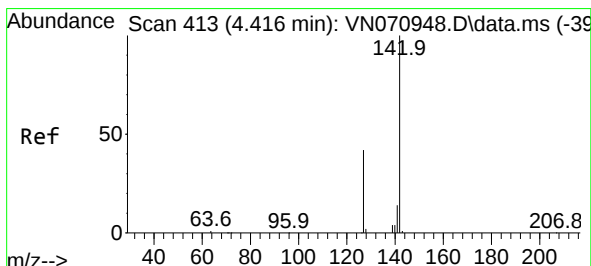
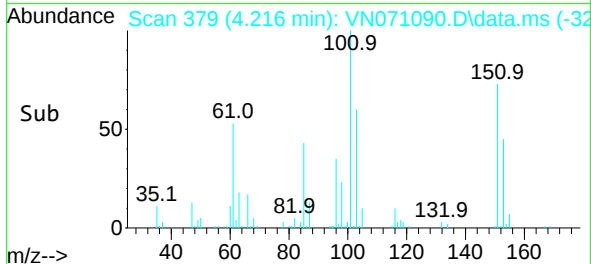
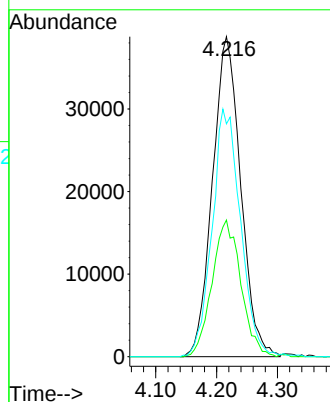
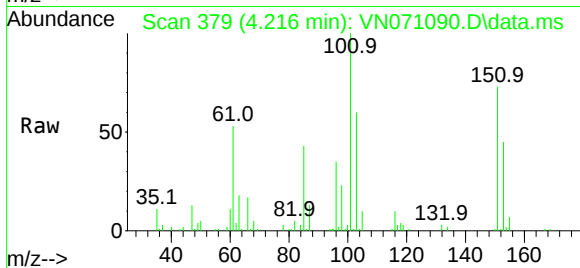




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.722 ug/l  
RT: 4.216 min Scan# 31  
Delta R.T. 0.012 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

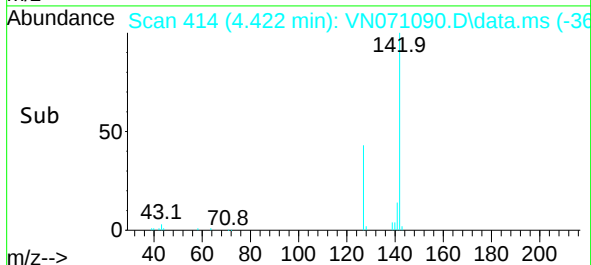
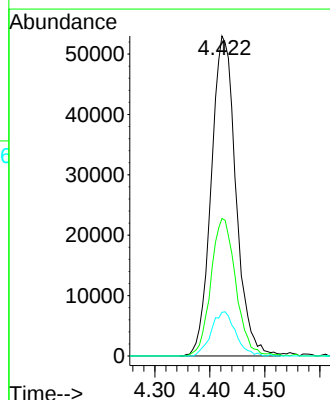
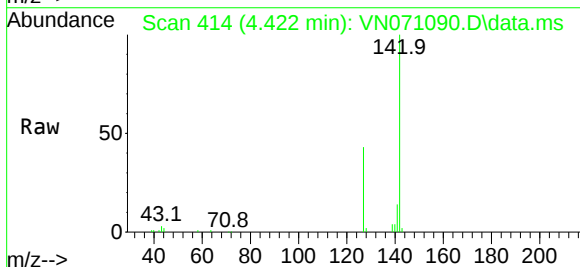
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

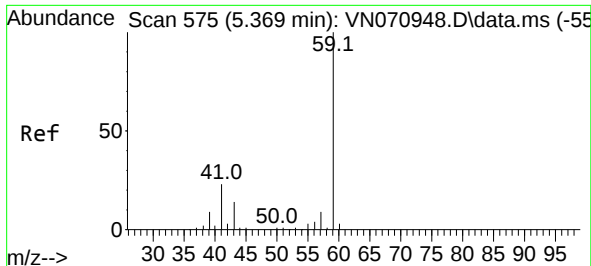
Tgt Ion:101 Resp: 124578  
Ion Ratio Lower Upper  
101 100  
85 43.7 37.2 55.8  
151 78.1 65.9 98.9



#10  
Methyl Iodide  
Concen: 19.800 ug/l  
RT: 4.422 min Scan# 414  
Delta R.T. 0.006 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

Tgt Ion:142 Resp: 164859  
Ion Ratio Lower Upper  
142 100  
127 43.5 35.4 53.0  
141 13.7 11.6 17.4

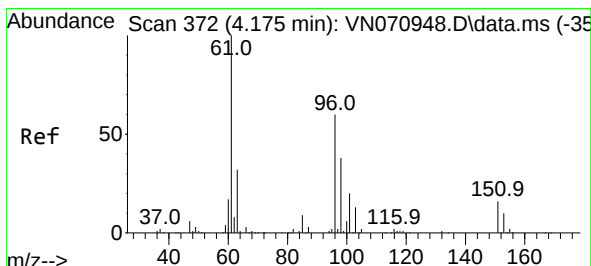
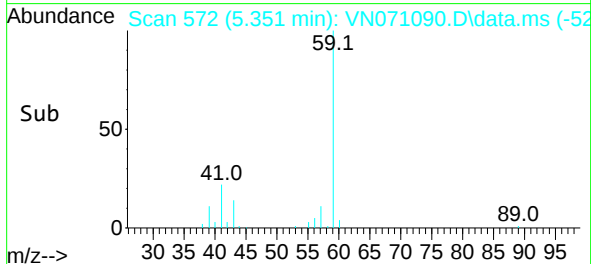
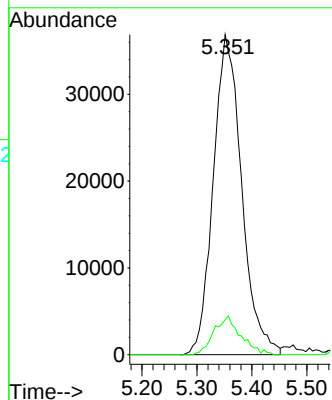
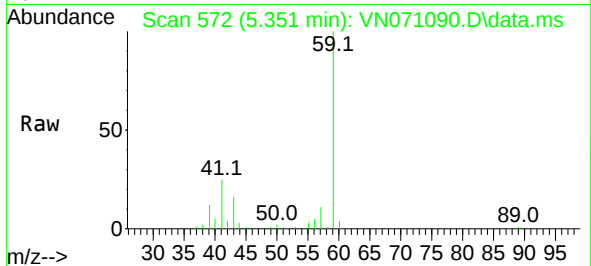




#11  
Tert butyl alcohol  
Concen: 106.027 ug/l  
RT: 5.351 min Scan# 51  
Delta R.T. -0.018 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

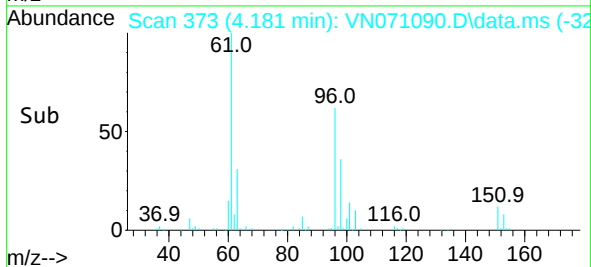
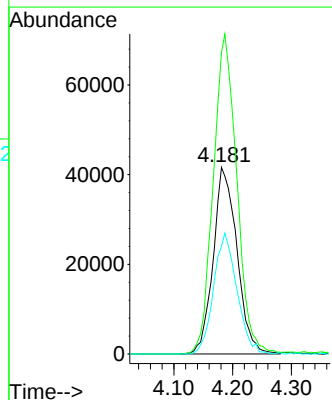
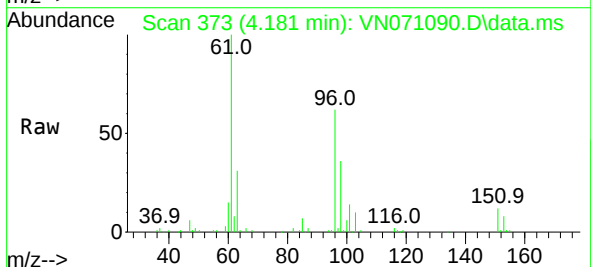
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

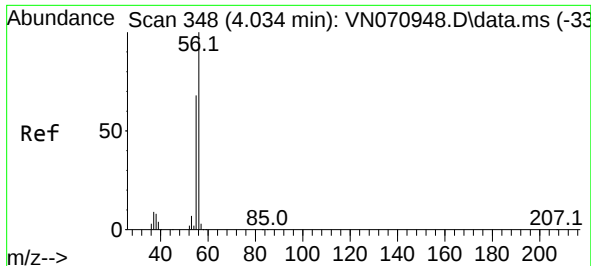
Tgt Ion: 59 Resp: 132058  
Ion Ratio Lower Upper  
59 100  
57 11.4 8.7 13.1



#12  
1,1-Dichloroethene  
Concen: 19.951 ug/l  
RT: 4.181 min Scan# 373  
Delta R.T. 0.006 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

Tgt Ion: 96 Resp: 116860  
Ion Ratio Lower Upper  
96 100  
61 161.5 131.0 196.6  
98 57.6 52.4 78.6

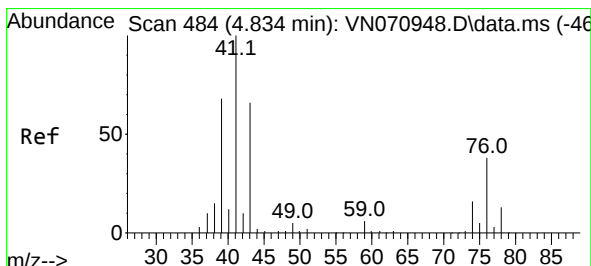
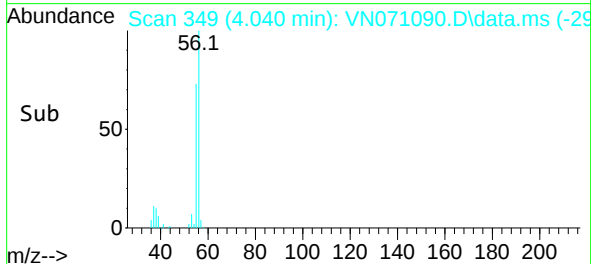
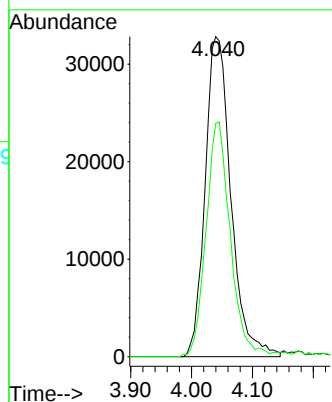
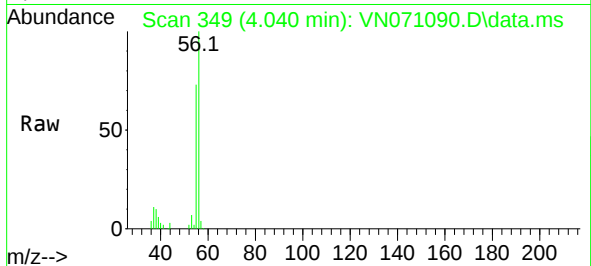




#13  
Acrolein  
Concen: 86.780 ug/l  
RT: 4.040 min Scan# 348  
Delta R.T. 0.006 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

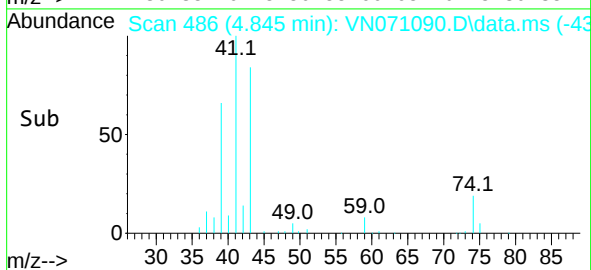
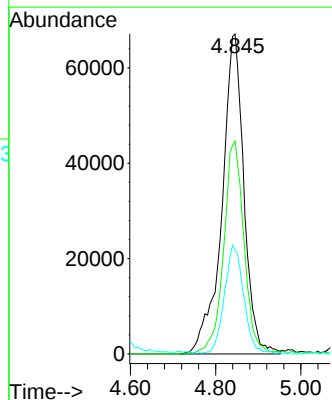
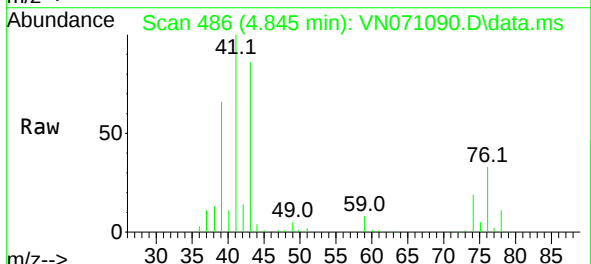
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

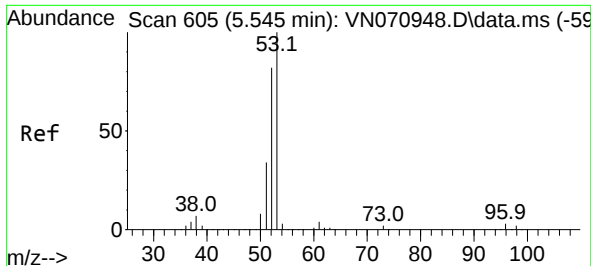
Tgt Ion: 56 Resp: 96583  
Ion Ratio Lower Upper  
56 100  
55 68.8 56.6 85.0



#14  
Allyl chloride  
Concen: 21.572 ug/l  
RT: 4.845 min Scan# 486  
Delta R.T. 0.012 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

Tgt Ion: 41 Resp: 240975  
Ion Ratio Lower Upper  
41 100  
39 61.6 61.2 91.8  
76 30.0 26.0 39.0

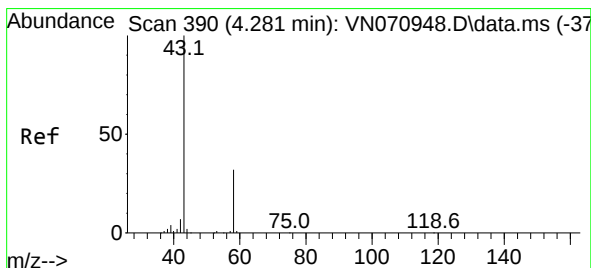
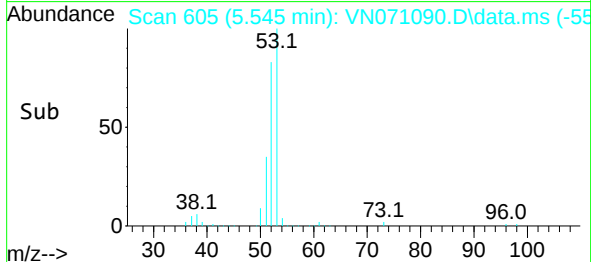
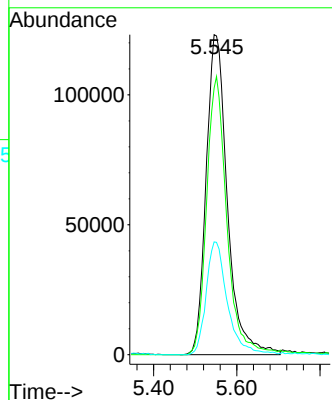
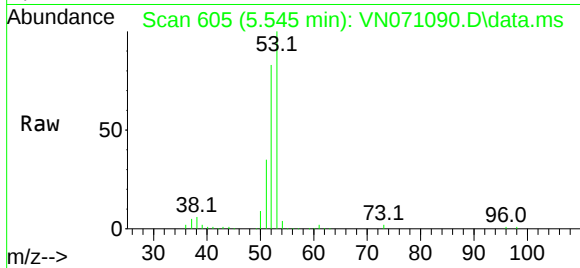




#15  
Acrylonitrile  
Concen: 119.121 ug/l  
RT: 5.545 min Scan# 605  
Delta R.T. -0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

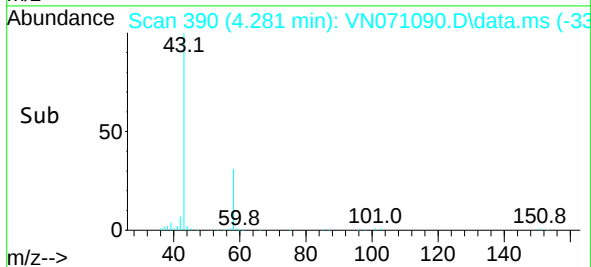
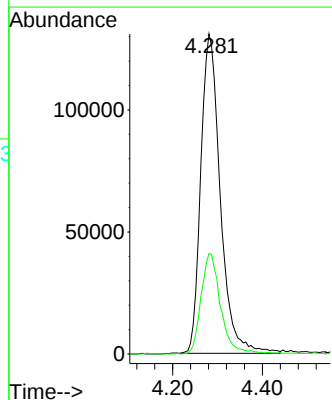
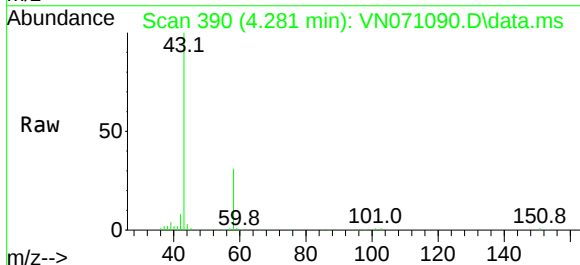
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

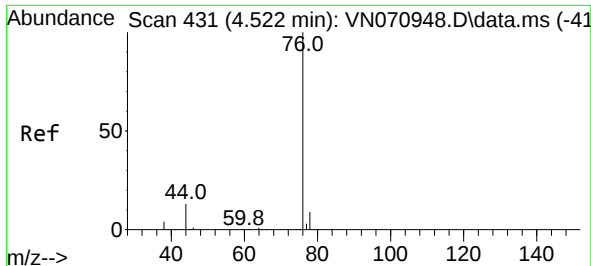
Tgt Ion: 53 Resp: 437022  
Ion Ratio Lower Upper  
53 100  
52 82.5 66.2 99.2  
51 35.4 29.6 44.4



#16  
Acetone  
Concen: 105.043 ug/l  
RT: 4.281 min Scan# 390  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

Tgt Ion: 43 Resp: 395365  
Ion Ratio Lower Upper  
43 100  
58 31.5 23.1 34.7





#17

Carbon Disulfide

Concen: 16.857 ug/l

RT: 4.534 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN071090.D

Acq: 28 Feb 2022 12:38

Instrument :

MSVOA\_N

ClientSampleId :

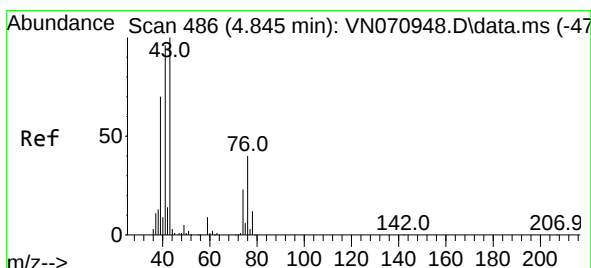
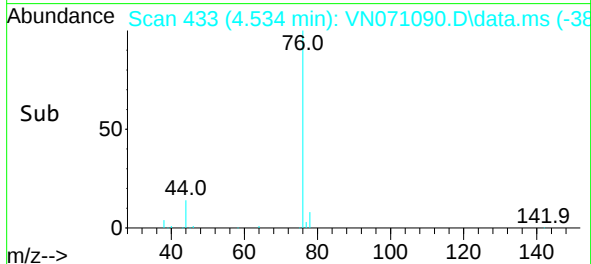
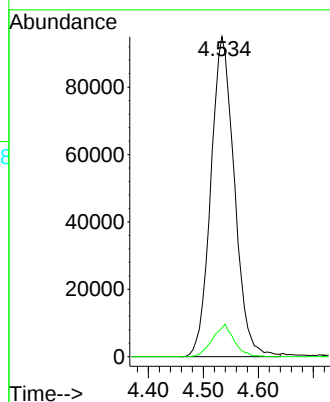
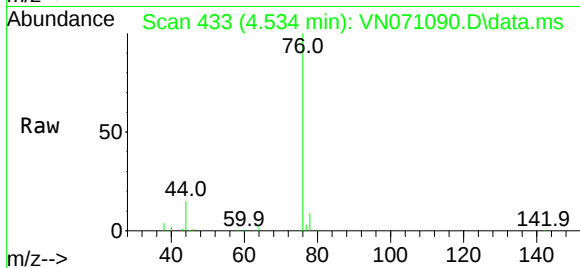
VN0228MBS01

Tgt Ion: 76 Resp: 283139

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3



#18

Methyl Acetate

Concen: 24.673 ug/l

RT: 4.857 min Scan# 488

Delta R.T. 0.012 min

Lab File: VN071090.D

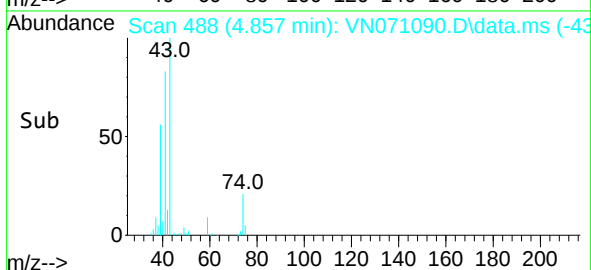
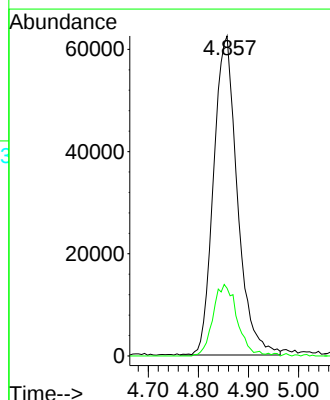
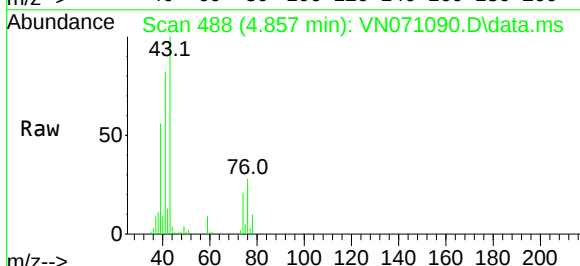
Acq: 28 Feb 2022 12:38

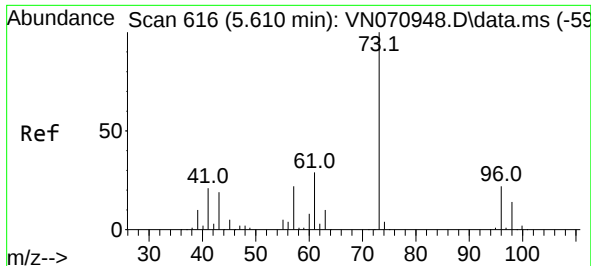
Tgt Ion: 43 Resp: 205853

Ion Ratio Lower Upper

43 100

74 22.7 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 22.191 ug/l

RT: 5.610 min Scan# 616

Delta R.T. 0.000 min

Lab File: VN071090.D

Acq: 28 Feb 2022 12:38

Instrument :

MSVOA\_N

ClientSampleId :

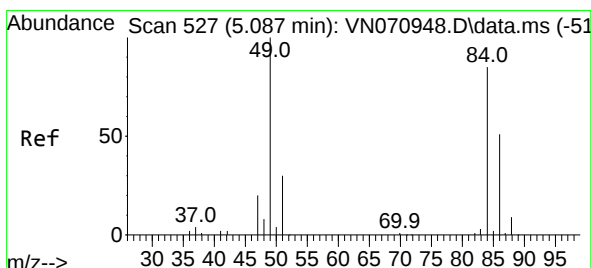
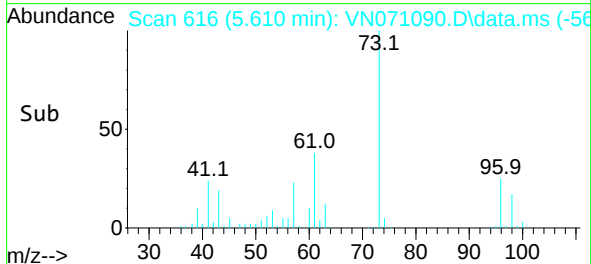
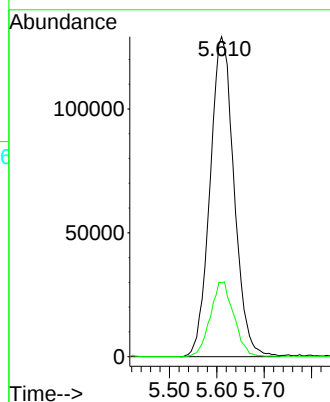
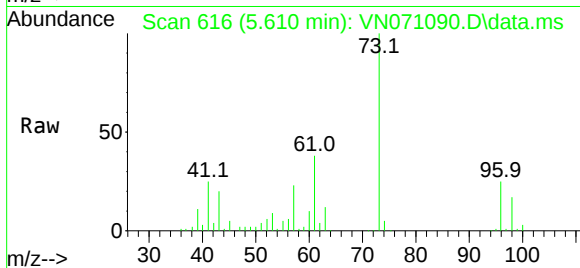
VN0228MBS01

Tgt Ion: 73 Resp: 455939

Ion Ratio Lower Upper

73 100

57 23.1 16.8 25.2



#20

Methylene Chloride

Concen: 21.304 ug/l

RT: 5.093 min Scan# 528

Delta R.T. 0.006 min

Lab File: VN071090.D

Acq: 28 Feb 2022 12:38

Tgt Ion: 84 Resp: 145729

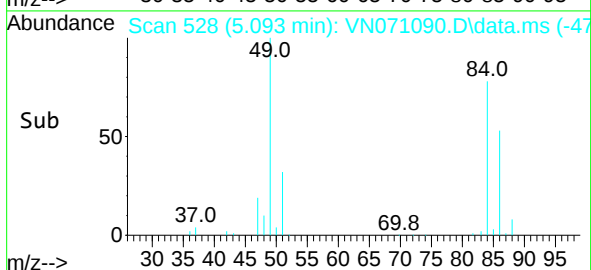
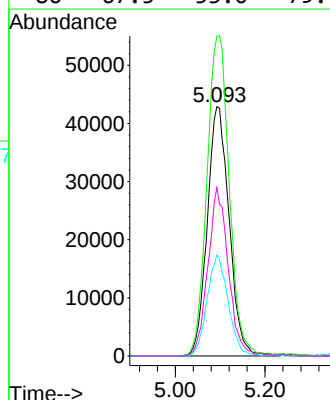
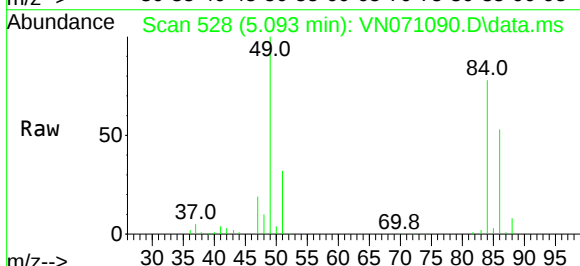
Ion Ratio Lower Upper

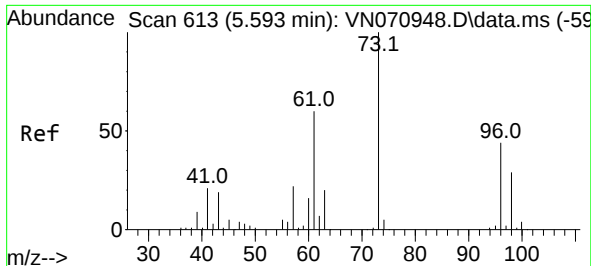
84 100

49 128.3 93.5 140.3

51 40.4 29.4 44.2

86 67.5 53.0 79.4

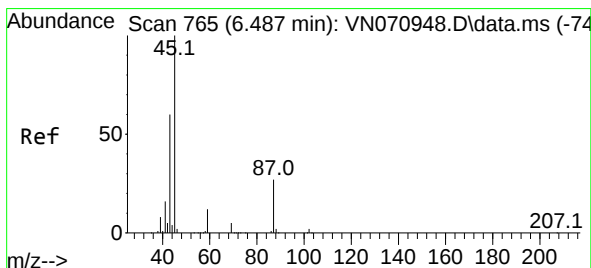
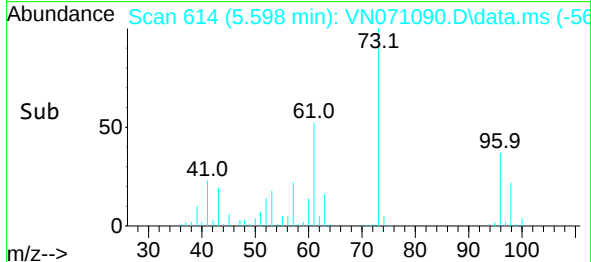
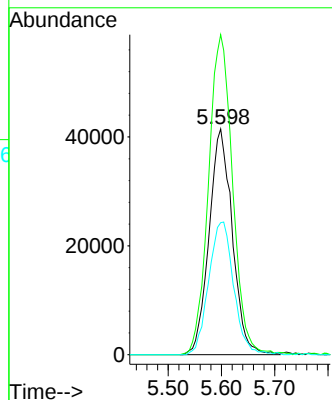
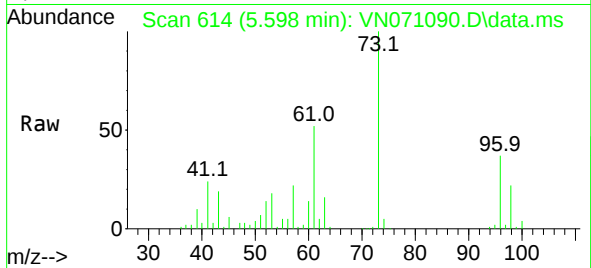




#21  
trans-1,2-Dichloroethene  
Concen: 20.061 ug/l  
RT: 5.598 min Scan# 614  
Delta R.T. 0.006 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

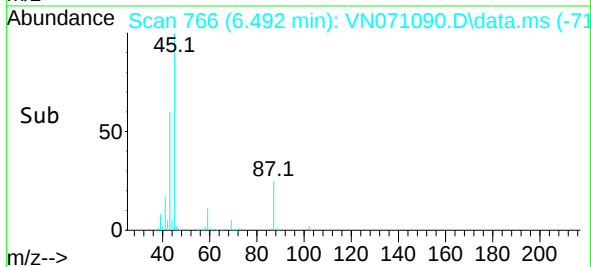
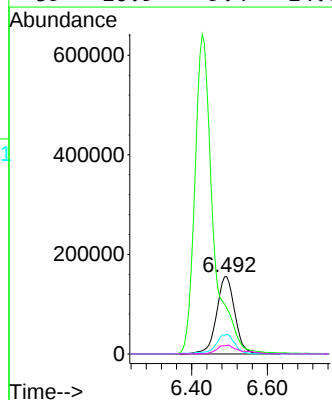
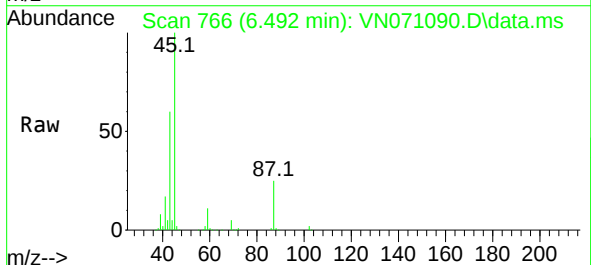
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

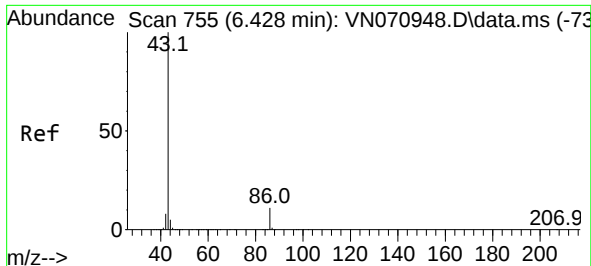
Tgt Ion: 96 Resp: 126118  
Ion Ratio Lower Upper  
96 100  
61 141.8 105.8 158.6  
98 58.5 52.0 78.0



#22  
Diisopropyl ether  
Concen: 24.382 ug/l  
RT: 6.492 min Scan# 766  
Delta R.T. 0.006 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

Tgt Ion: 45 Resp: 522384  
Ion Ratio Lower Upper  
45 100  
43 58.0 51.7 77.5  
87 25.1 23.2 34.8  
59 10.9 9.4 14.0

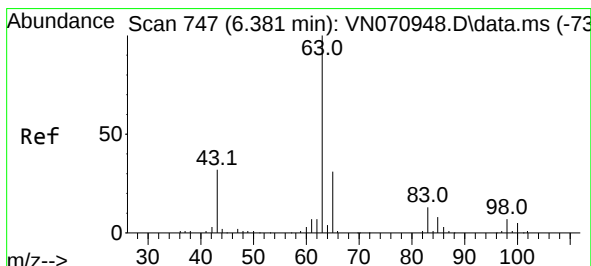
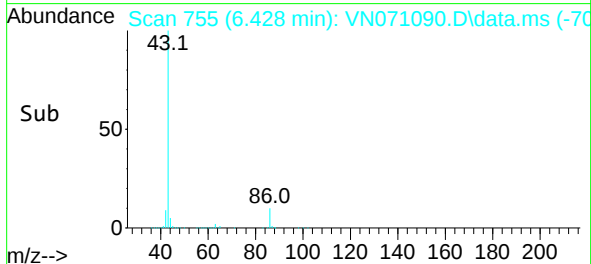
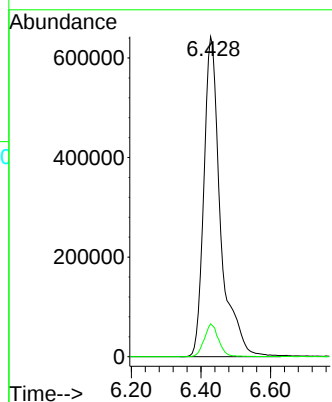
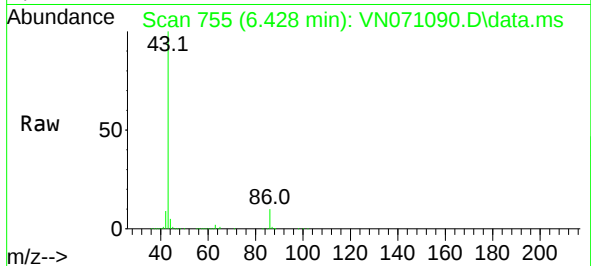




#23  
 Vinyl Acetate  
 Concen: 118.228 ug/l  
 RT: 6.428 min Scan# 755  
 Delta R.T. 0.000 min  
 Lab File: VN071090.D  
 Acq: 28 Feb 2022 12:38

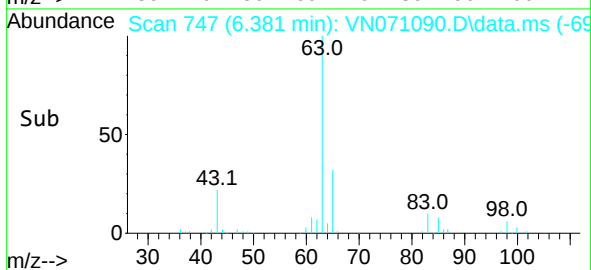
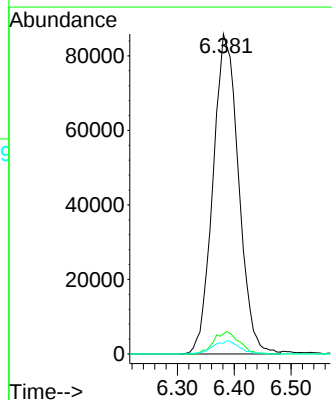
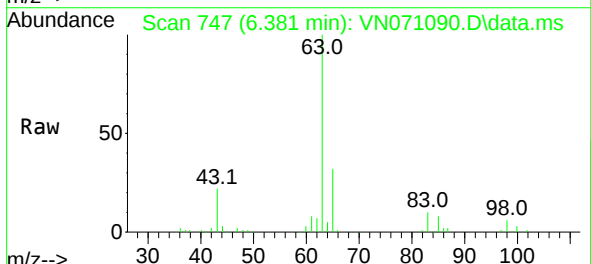
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0228MBS01

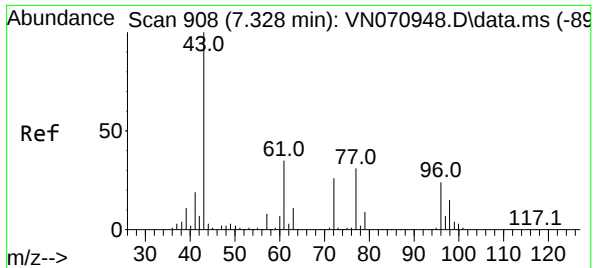
Tgt Ion: 43 Resp: 2144218  
 Ion Ratio Lower Upper  
 43 100  
 86 10.2 8.5 12.7



#24  
 1,1-Dichloroethane  
 Concen: 22.402 ug/l  
 RT: 6.381 min Scan# 747  
 Delta R.T. 0.000 min  
 Lab File: VN071090.D  
 Acq: 28 Feb 2022 12:38

Tgt Ion: 63 Resp: 269052  
 Ion Ratio Lower Upper  
 63 100  
 98 6.3 3.3 9.9  
 100 3.3 2.1 6.5

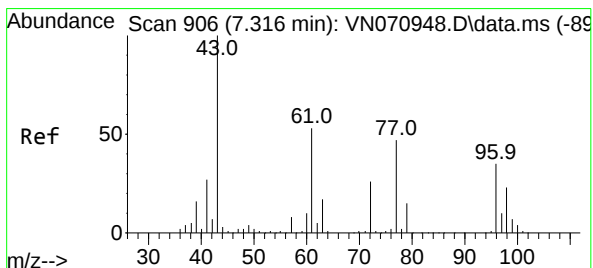
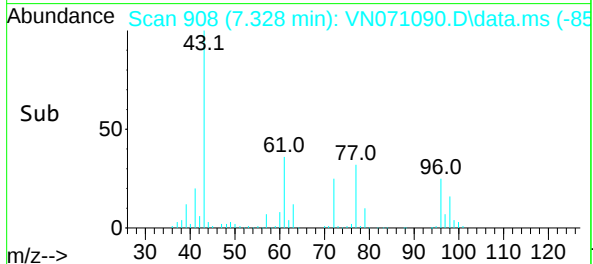
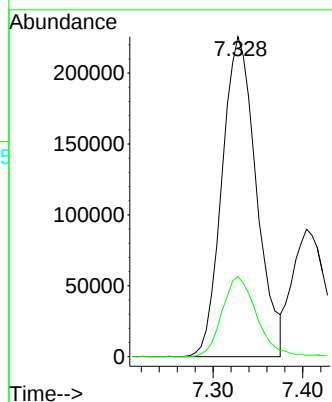
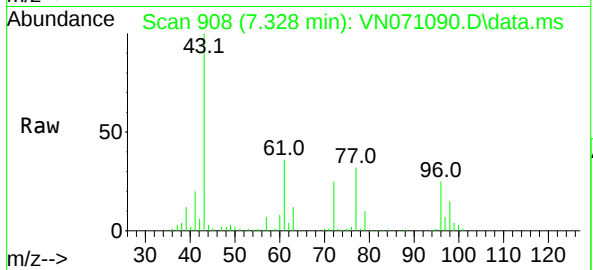




#25  
2-Butanone  
Concen: 119.754 ug/l  
RT: 7.328 min Scan# 908  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

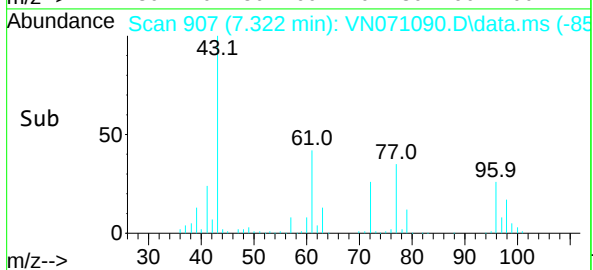
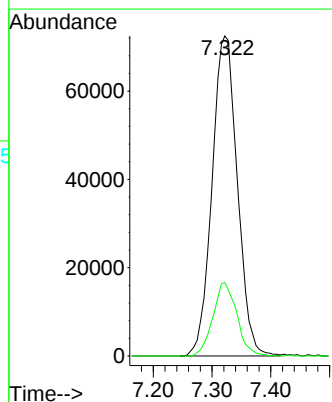
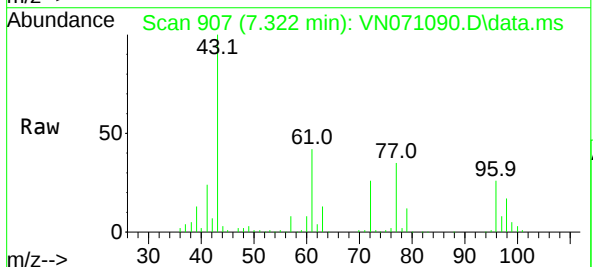
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

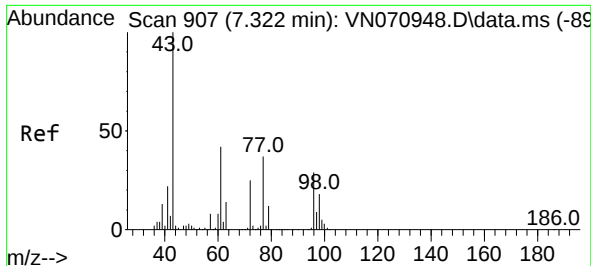
Tgt Ion: 43 Resp: 599606  
Ion Ratio Lower Upper  
43 100  
72 25.1 21.7 32.5



#26  
2,2-Dichloropropane  
Concen: 21.702 ug/l  
RT: 7.322 min Scan# 907  
Delta R.T. 0.006 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

Tgt Ion: 77 Resp: 216625  
Ion Ratio Lower Upper  
77 100  
97 21.7 11.6 34.8

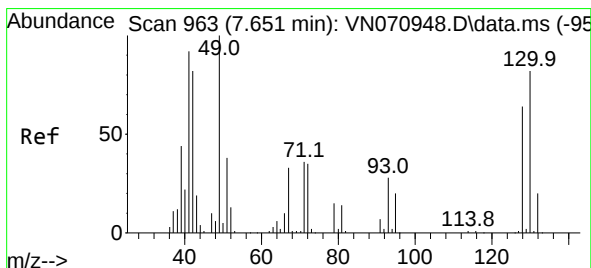
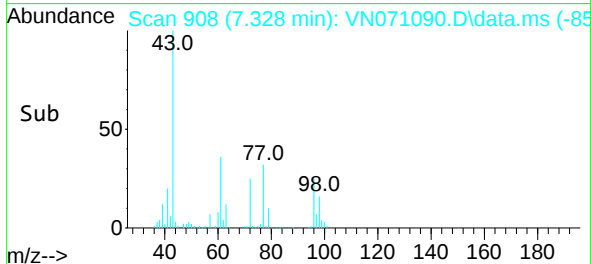
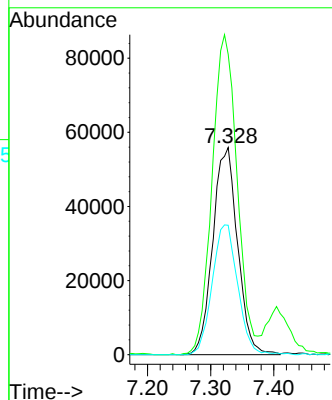
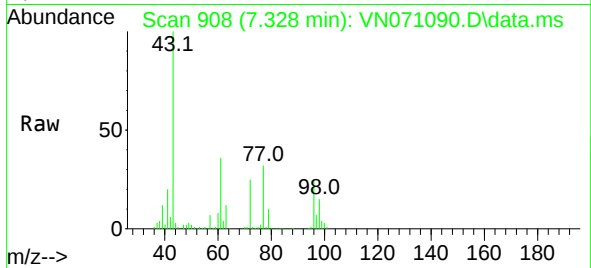




#27  
 cis-1,2-Dichloroethene  
 Concen: 21.140 ug/l  
 RT: 7.328 min Scan# 907  
 Delta R.T. 0.006 min  
 Lab File: VN071090.D  
 Acq: 28 Feb 2022 12:38

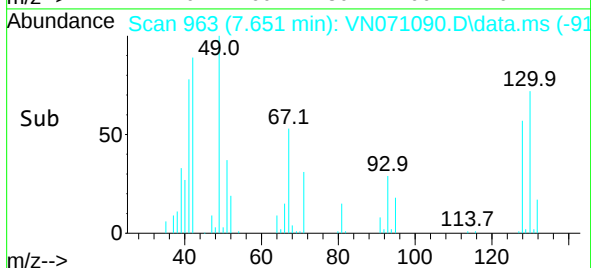
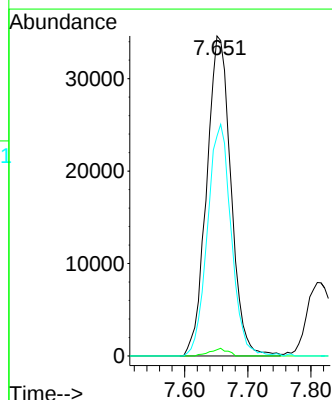
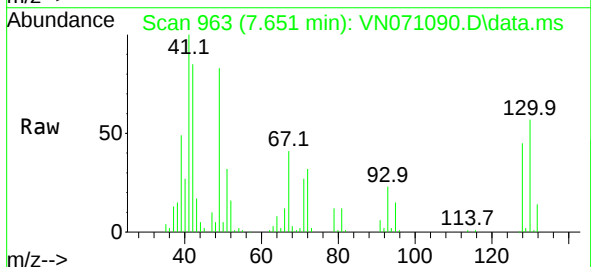
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0228MBS01

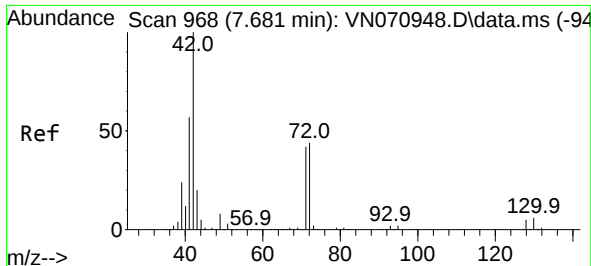
Tgt Ion: 96 Resp: 152745  
 Ion Ratio Lower Upper  
 96 100  
 61 156.3 0.0 275.0  
 98 64.5 0.0 129.6



#28  
 Bromochloromethane  
 Concen: 19.020 ug/l  
 RT: 7.651 min Scan# 963  
 Delta R.T. 0.000 min  
 Lab File: VN071090.D  
 Acq: 28 Feb 2022 12:38

Tgt Ion: 49 Resp: 92455  
 Ion Ratio Lower Upper  
 49 100  
 129 1.7 0.0 4.0  
 130 71.1 67.8 101.8





#29

Tetrahydrofuran

Concen: 124.335 ug/l

RT: 7.681 min Scan# 90

Delta R.T. 0.000 min

Lab File: VN071090.D

Acq: 28 Feb 2022 12:38

Instrument :

MSVOA\_N

ClientSampleId :

VN0228MBS01

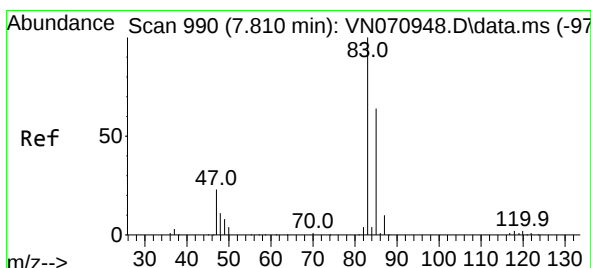
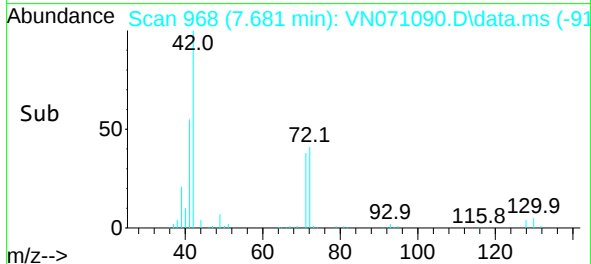
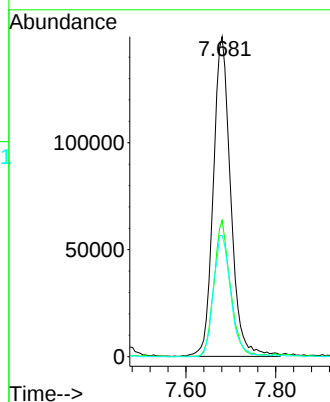
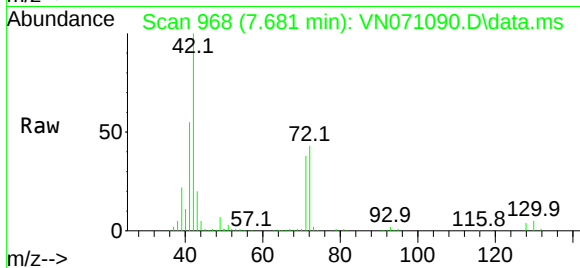
Tgt Ion: 42 Resp: 403294

Ion Ratio Lower Upper

42 100

72 40.3 36.3 54.5

71 38.0 34.7 52.1



#30

Chloroform

Concen: 22.160 ug/l

RT: 7.816 min Scan# 991

Delta R.T. 0.006 min

Lab File: VN071090.D

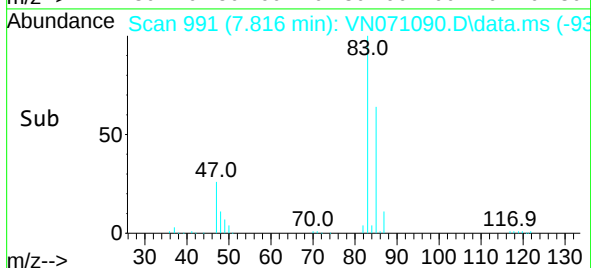
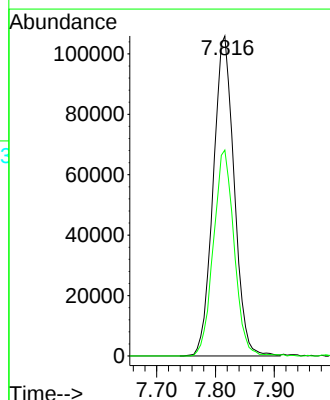
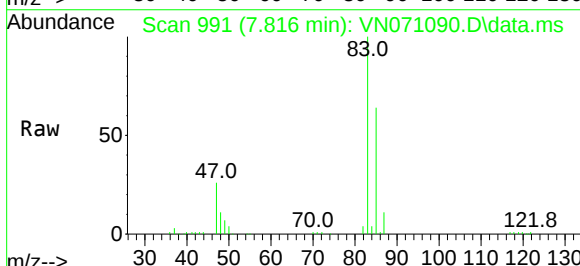
Acq: 28 Feb 2022 12:38

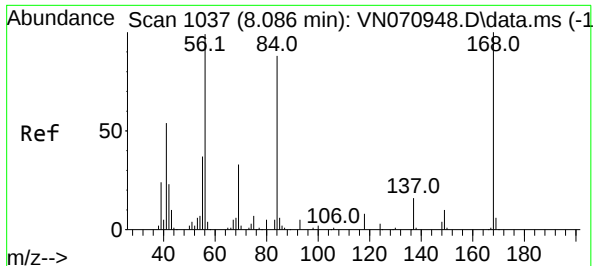
Tgt Ion: 83 Resp: 261762

Ion Ratio Lower Upper

83 100

85 64.4 51.9 77.9

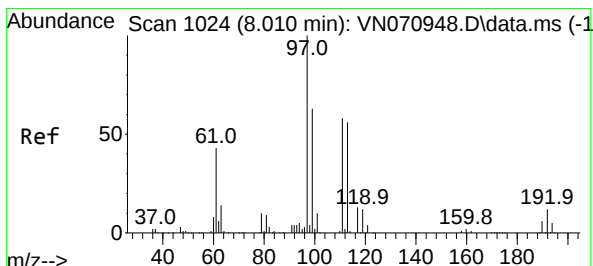
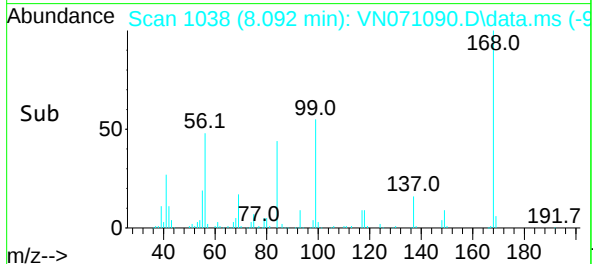
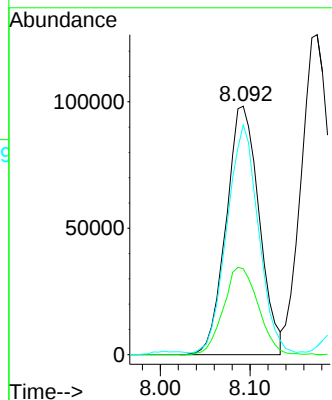
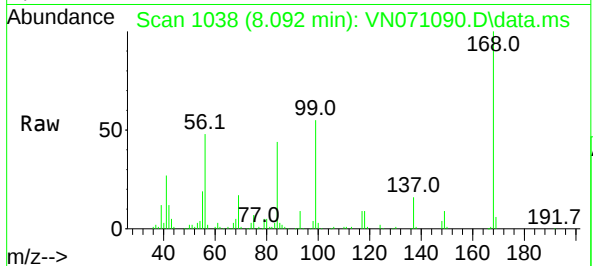




#31  
Cyclohexane  
Concen: 21.252 ug/l  
RT: 8.092 min Scan# 1037  
Delta R.T. 0.006 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

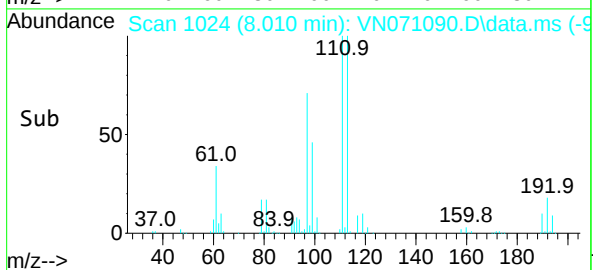
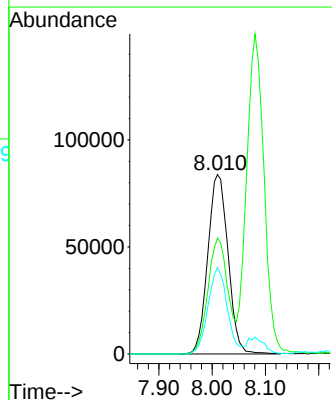
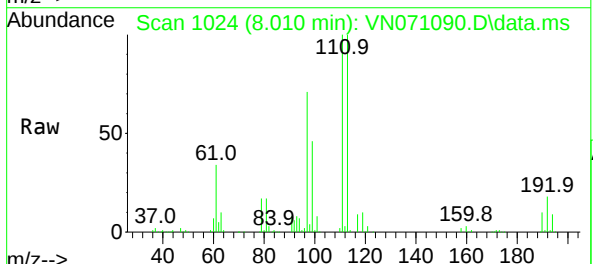
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

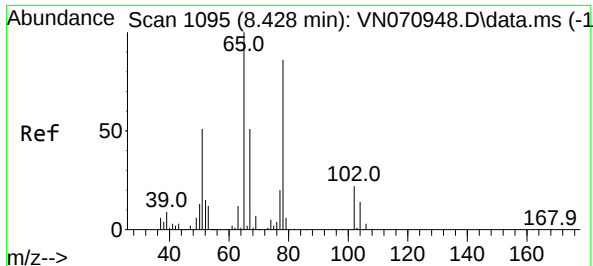
Tgt Ion: 56 Resp: 251199  
Ion Ratio Lower Upper  
56 100  
69 34.6 27.1 40.7  
84 91.3 73.4 110.0



#32  
1,1,1-Trichloroethane  
Concen: 21.709 ug/l  
RT: 8.010 min Scan# 1024  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

Tgt Ion: 97 Resp: 221451  
Ion Ratio Lower Upper  
97 100  
99 64.2 50.1 75.1  
61 45.8 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 57.115 ug/l

RT: 8.433 min Scan# 1095

Delta R.T. 0.006 min

Lab File: VN071090.D

Acq: 28 Feb 2022 12:38

Instrument :

MSVOA\_N

ClientSampleId :

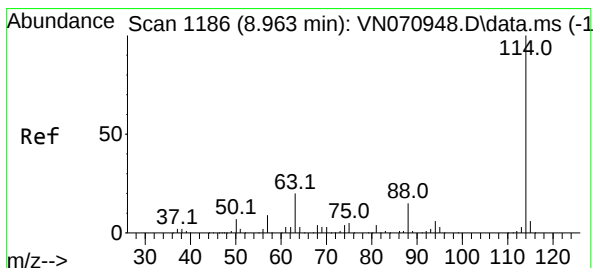
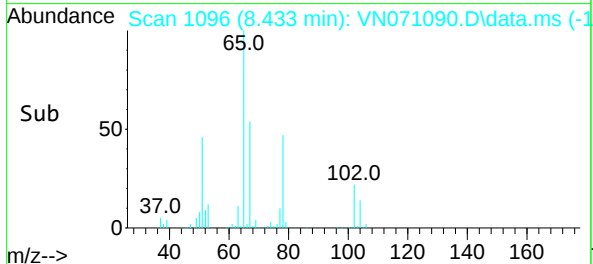
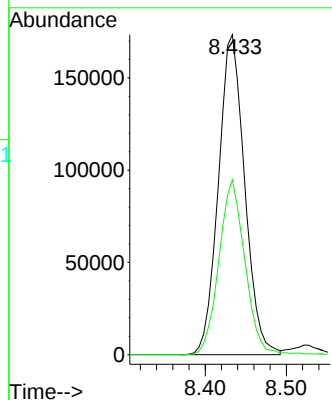
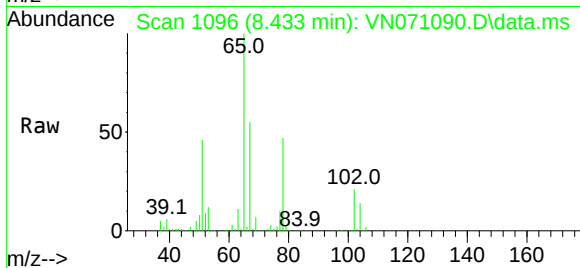
VN0228MBS01

Tgt Ion: 65 Resp: 390344

Ion Ratio Lower Upper

65 100

67 54.2 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN071090.D

Acq: 28 Feb 2022 12:38

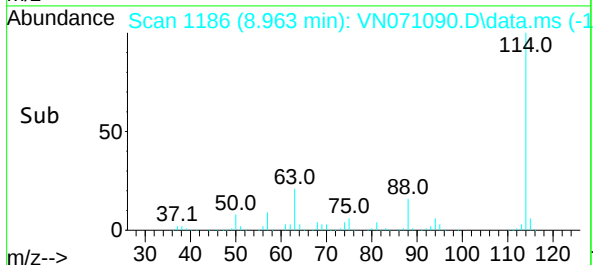
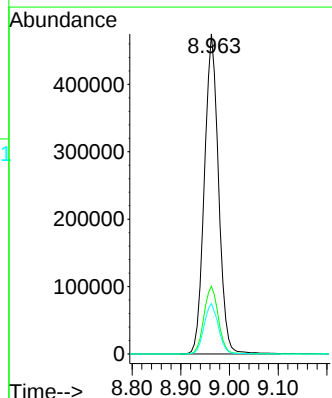
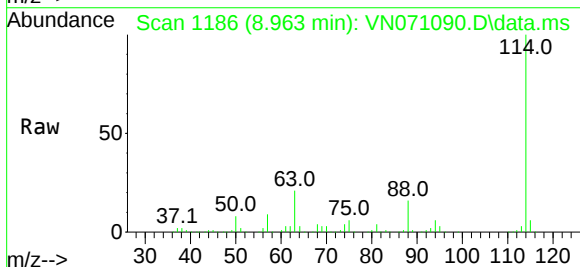
Tgt Ion:114 Resp: 956464

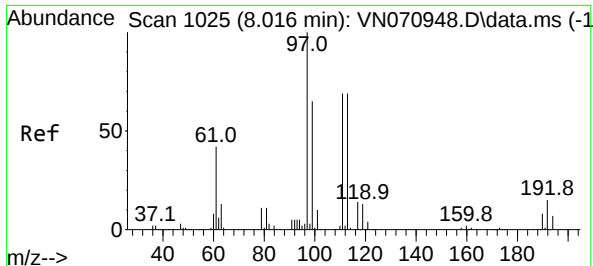
Ion Ratio Lower Upper

114 100

63 21.2 0.0 37.8

88 15.8 0.0 27.4





#35

Dibromofluoromethane

Concen: 54.284 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. 0.000 min

Lab File: VN071090.D

Acq: 28 Feb 2022 12:38

Instrument :

MSVOA\_N

ClientSampleId :

VN0228MBS01

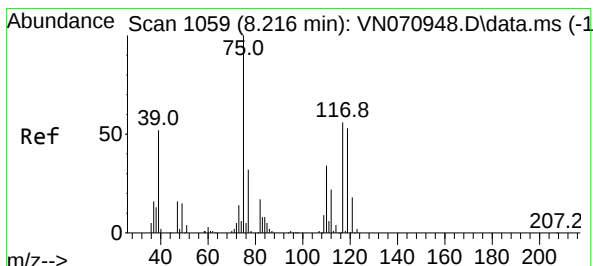
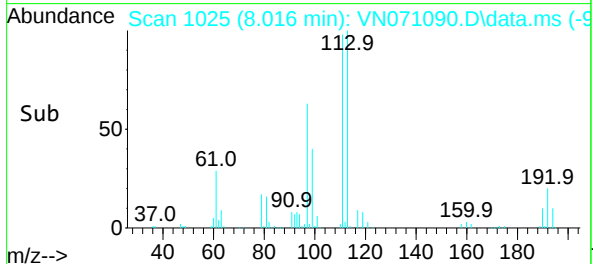
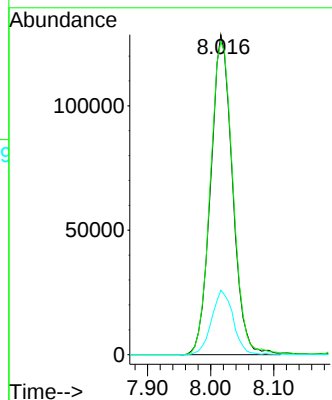
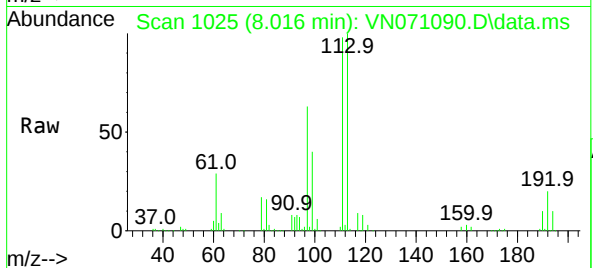
Tgt Ion:113 Resp: 308823

Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.2

192 19.9 16.9 25.3



#36

1,1-Dichloropropene

Concen: 20.324 ug/l

RT: 8.216 min Scan# 1059

Delta R.T. 0.000 min

Lab File: VN071090.D

Acq: 28 Feb 2022 12:38

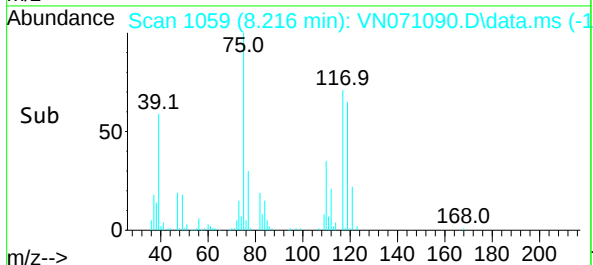
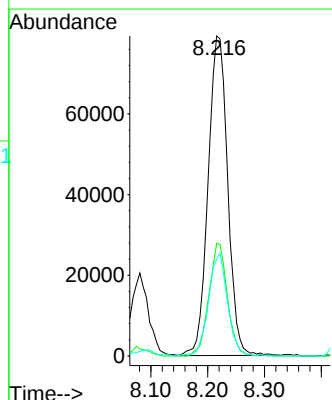
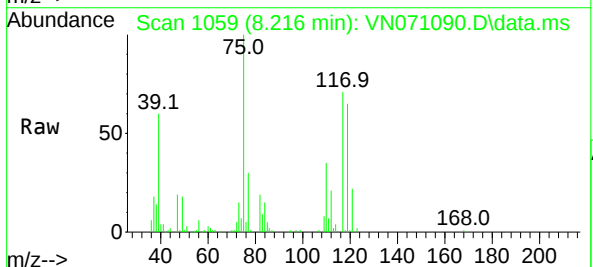
Tgt Ion: 75 Resp: 189432

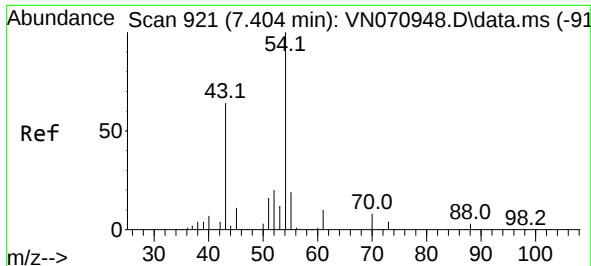
Ion Ratio Lower Upper

75 100

110 33.4 18.4 55.2

77 31.1 24.4 36.6

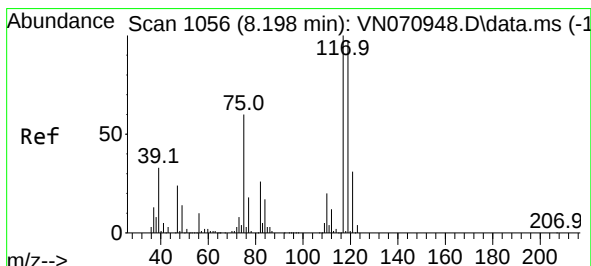
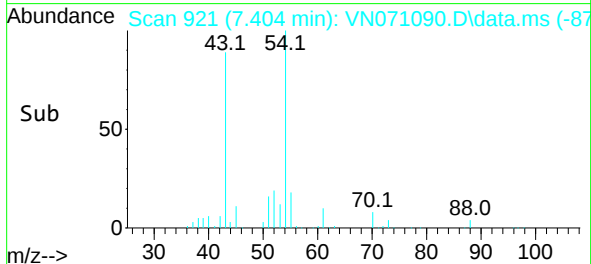
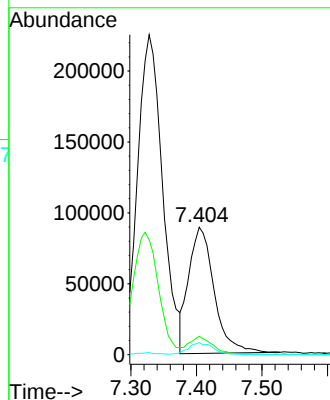
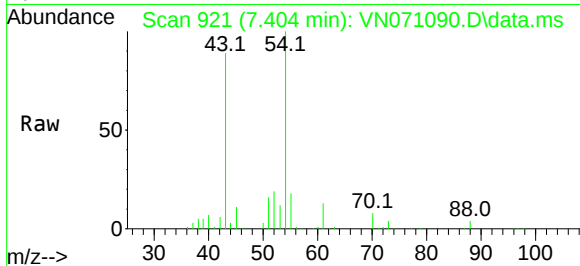




#37  
Ethyl Acetate  
Concen: 24.028 ug/l  
RT: 7.404 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

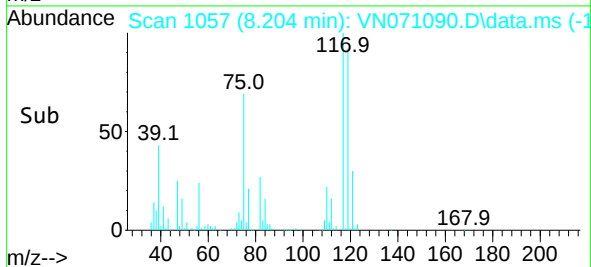
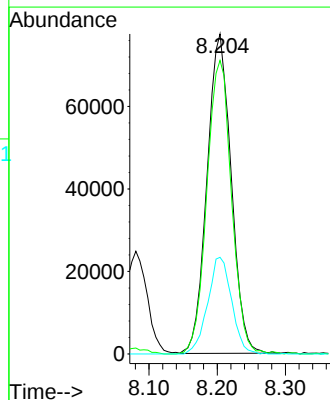
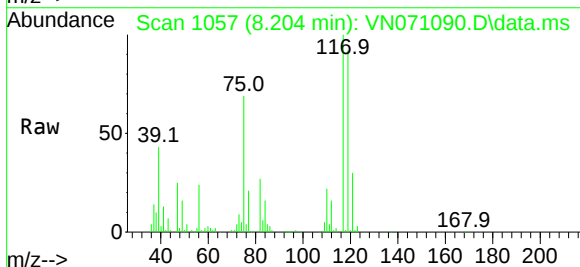
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

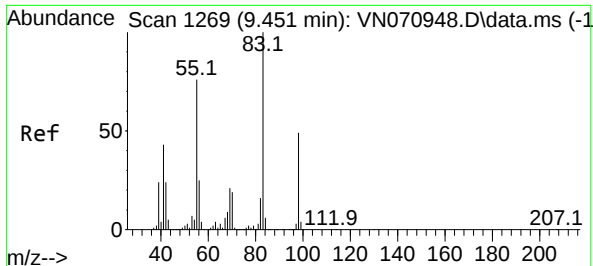
Tgt Ion: 43 Resp: 240181  
Ion Ratio Lower Upper  
43 100  
61 13.6 11.5 17.3  
70 9.3 7.9 11.9



#38  
Carbon Tetrachloride  
Concen: 20.800 ug/l  
RT: 8.204 min Scan# 1057  
Delta R.T. 0.006 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

Tgt Ion: 117 Resp: 191015  
Ion Ratio Lower Upper  
117 100  
119 91.7 76.1 114.1  
121 30.3 24.2 36.2





#39

Methylcyclohexane

Concen: 19.311 ug/l

RT: 9.457 min Scan# 1100

Delta R.T. 0.006 min

Lab File: VN071090.D

Acq: 28 Feb 2022 12:38

Instrument :

MSVOA\_N

ClientSampleId :

VN0228MBS01

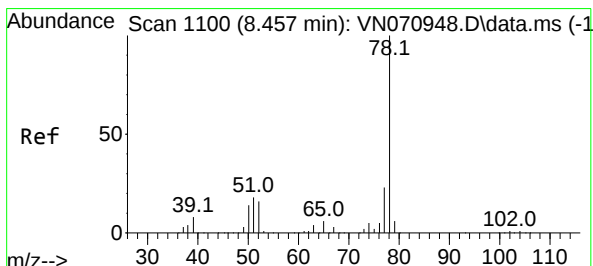
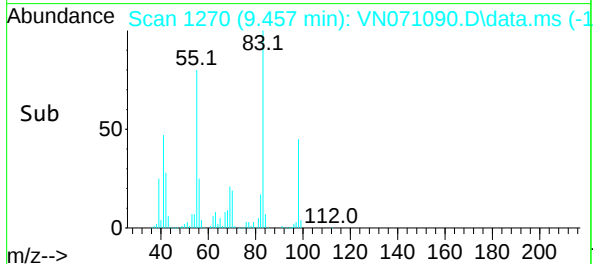
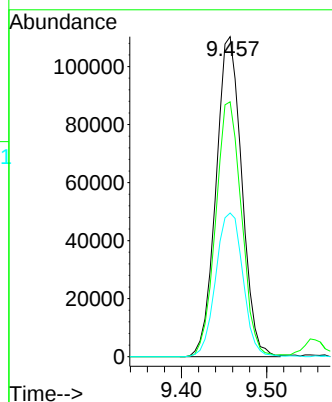
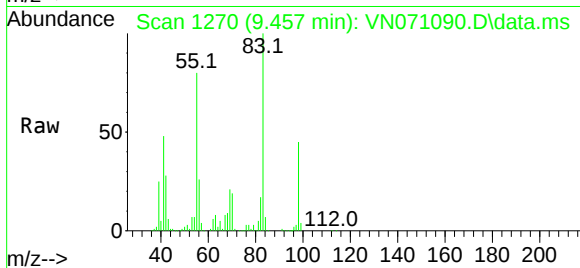
Tgt Ion: 83 Resp: 231600

Ion Ratio Lower Upper

83 100

55 79.6 58.1 87.1

98 44.9 38.4 57.6



#40

Benzene

Concen: 21.538 ug/l

RT: 8.457 min Scan# 1100

Delta R.T. 0.000 min

Lab File: VN071090.D

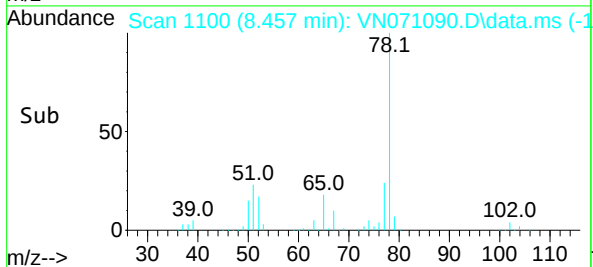
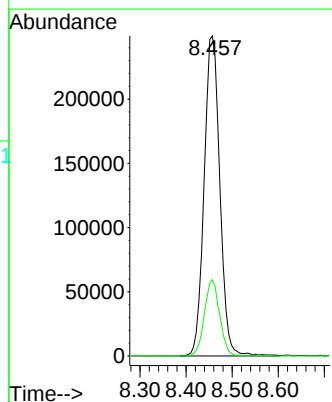
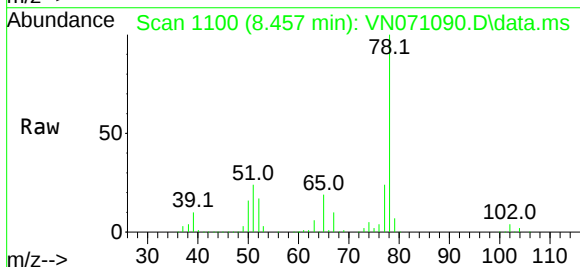
Acq: 28 Feb 2022 12:38

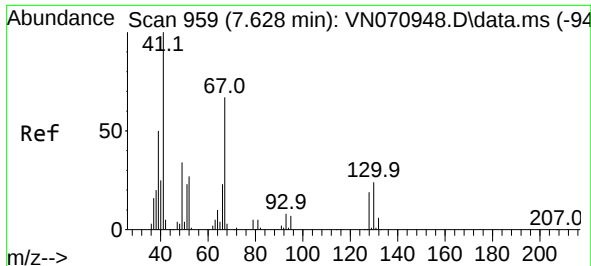
Tgt Ion: 78 Resp: 593810

Ion Ratio Lower Upper

78 100

77 23.8 18.6 27.8

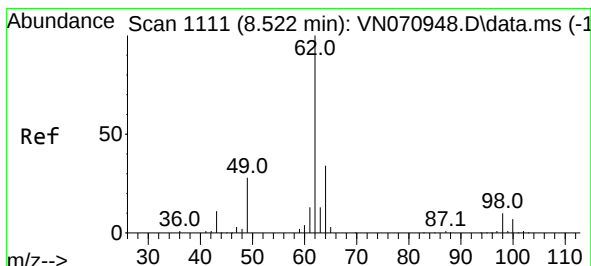
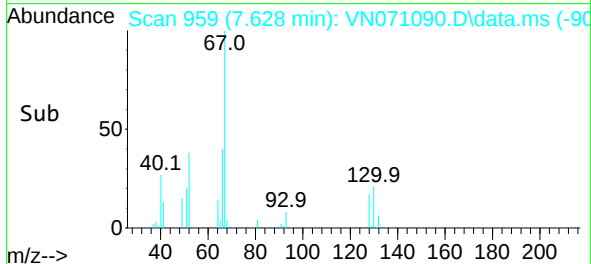
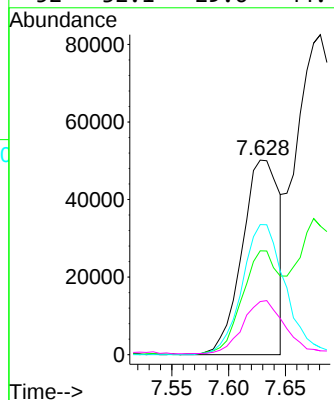
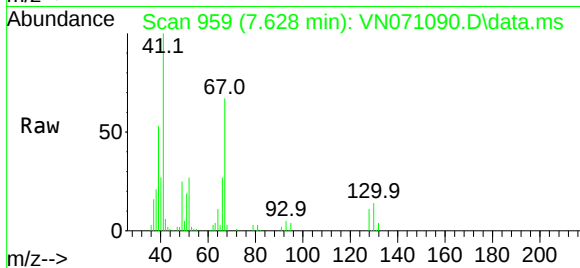




#41  
Methacrylonitrile  
Concen: 21.584 ug/l  
RT: 7.628 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

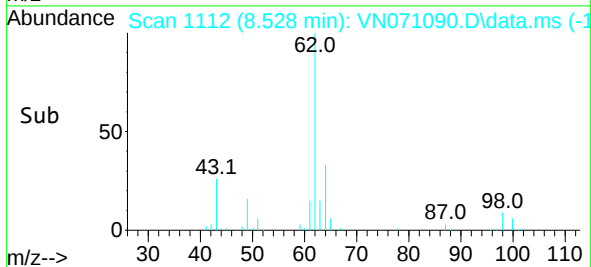
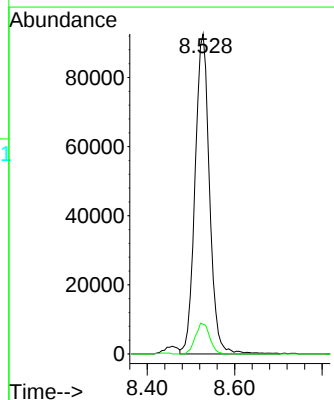
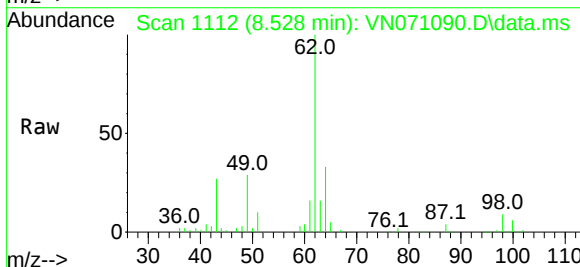
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

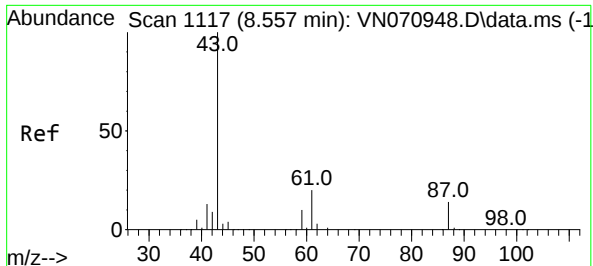
Tgt Ion: 41 Resp: 113632  
Ion Ratio Lower Upper  
41 100  
39 58.4 48.1 72.1  
67 78.0 68.3 102.5  
52 32.1 29.6 44.4



#42  
1,2-Dichloroethane  
Concen: 22.717 ug/l  
RT: 8.528 min Scan# 1112  
Delta R.T. 0.006 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

Tgt Ion: 62 Resp: 213312  
Ion Ratio Lower Upper  
62 100  
98 9.5 0.0 17.6

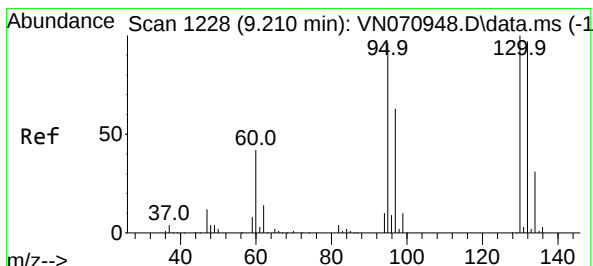
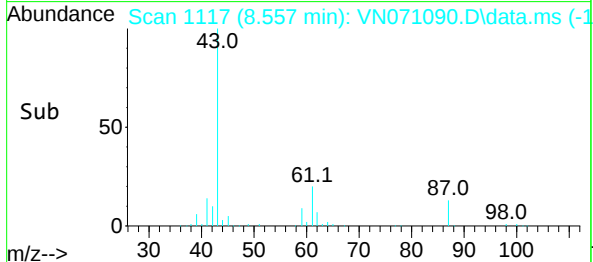
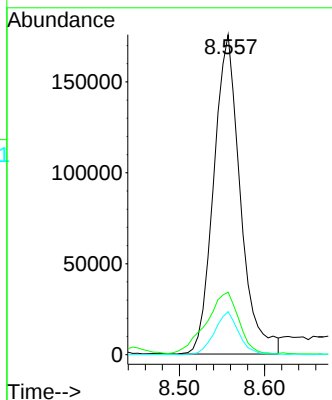
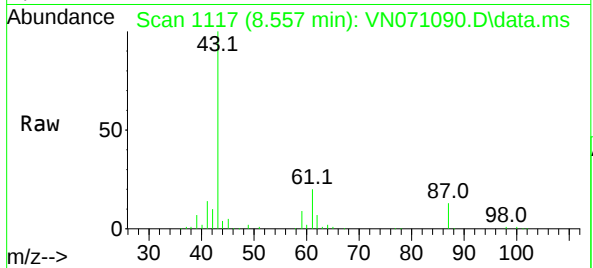




#43  
Isopropyl Acetate  
Concen: 24.195 ug/l  
RT: 8.557 min Scan# 1117  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

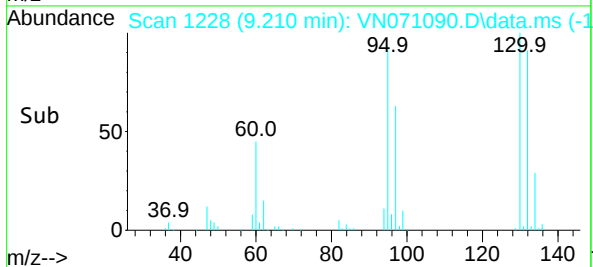
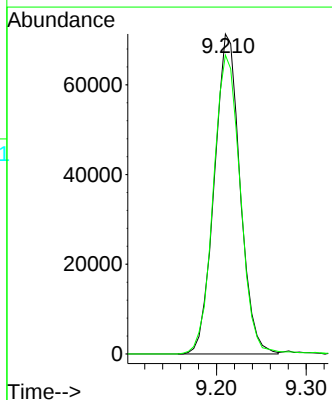
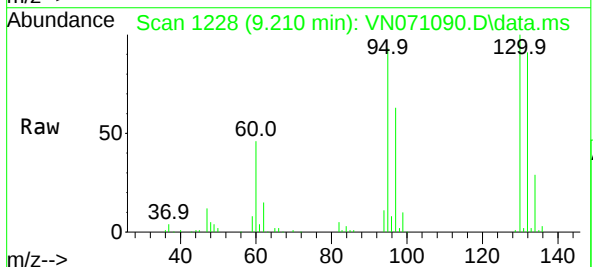
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

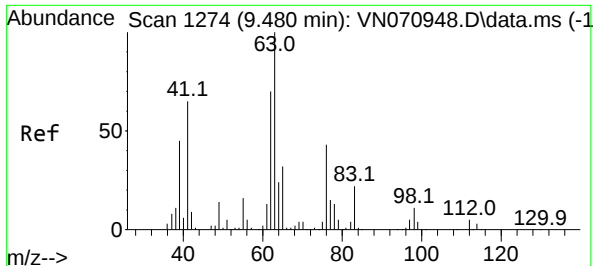
Tgt Ion: 43 Resp: 381210  
Ion Ratio Lower Upper  
43 100  
61 23.6 20.4 30.6  
87 12.3 11.2 16.8



#44  
Trichloroethene  
Concen: 19.511 ug/l  
RT: 9.210 min Scan# 1228  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

Tgt Ion:130 Resp: 141652  
Ion Ratio Lower Upper  
130 100  
95 93.4 0.0 191.2





#45

1,2-Dichloropropane

Concen: 22.791 ug/l

RT: 9.486 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN071090.D

Acq: 28 Feb 2022 12:38

Instrument :

MSVOA\_N

ClientSampleId :

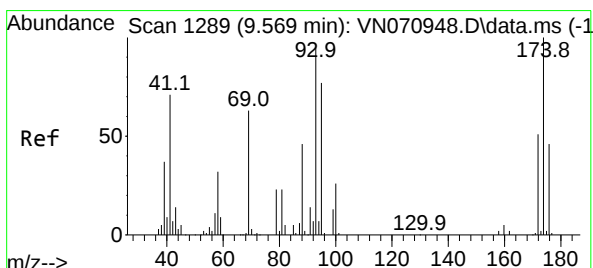
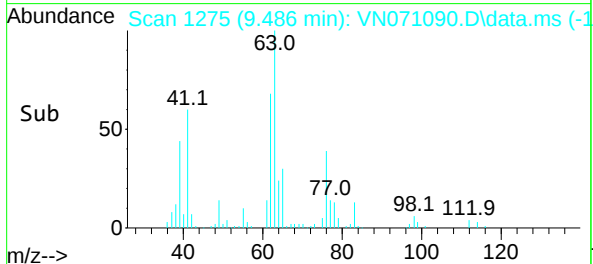
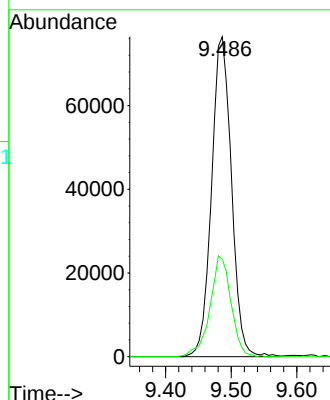
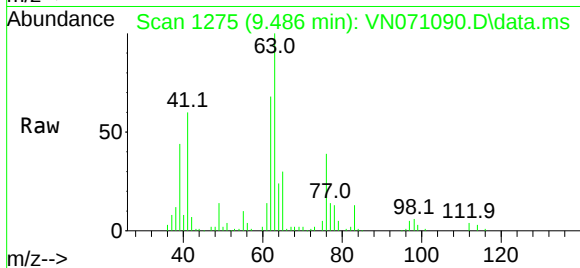
VN0228MBS01

Tgt Ion: 63 Resp: 160958

Ion Ratio Lower Upper

63 100

65 30.4 24.7 37.1



#46

Dibromomethane

Concen: 20.991 ug/l

RT: 9.575 min Scan# 1290

Delta R.T. 0.006 min

Lab File: VN071090.D

Acq: 28 Feb 2022 12:38

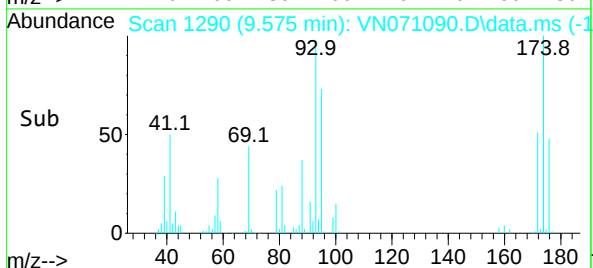
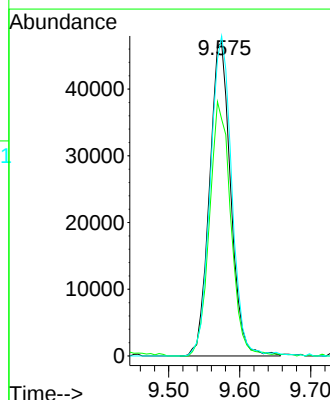
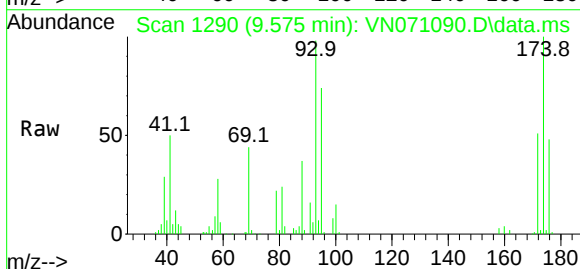
Tgt Ion: 93 Resp: 97558

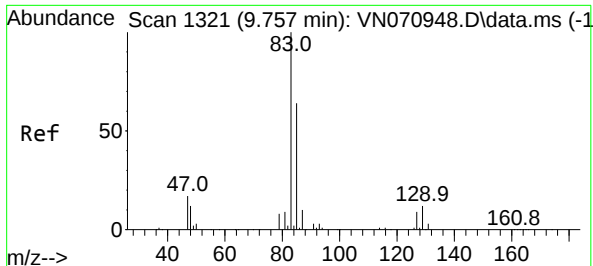
Ion Ratio Lower Upper

93 100

95 81.5 65.9 98.9

174 102.9 84.6 127.0

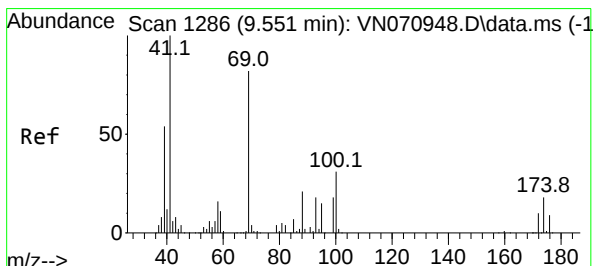
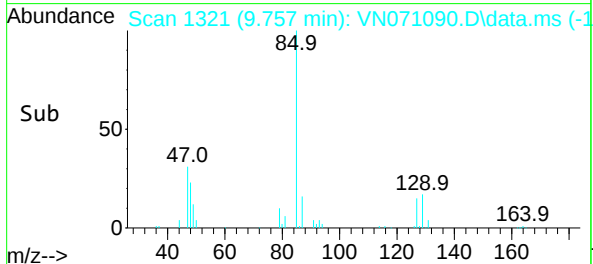
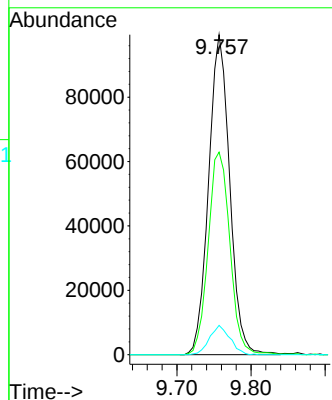
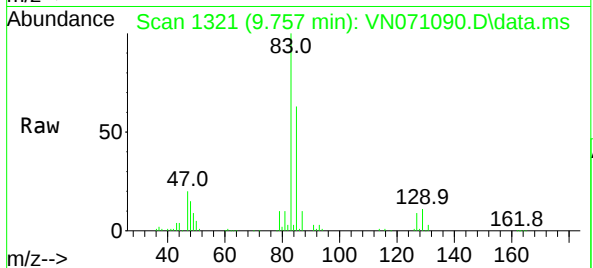




#47  
Bromodichloromethane  
Concen: 20.935 ug/l  
RT: 9.757 min Scan# 1321  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

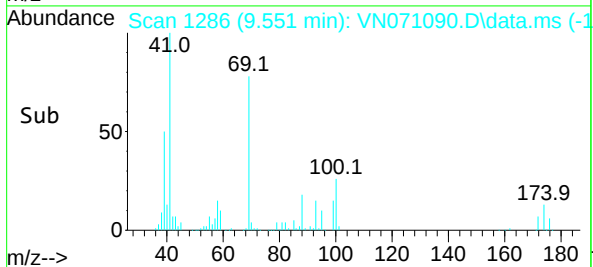
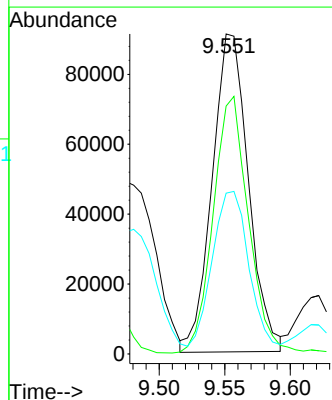
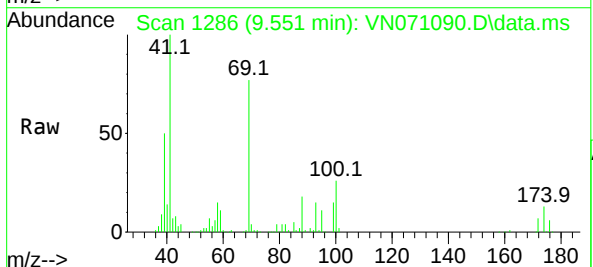
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

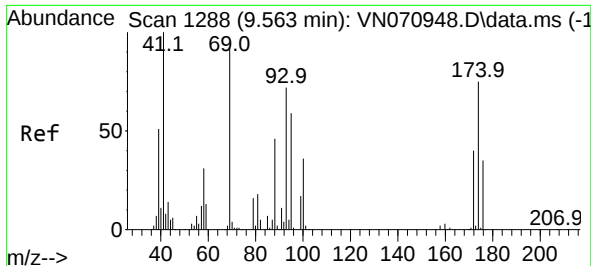
Tgt Ion: 83 Resp: 196645  
Ion Ratio Lower Upper  
83 100  
85 63.3 50.9 76.3  
127 9.2 7.1 10.7



#48  
Methyl methacrylate  
Concen: 23.473 ug/l  
RT: 9.551 min Scan# 1286  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

Tgt Ion: 41 Resp: 175059  
Ion Ratio Lower Upper  
41 100  
69 79.4 72.4 108.6  
39 52.5 58.4 87.6#





#49

1,4-Dioxane

Concen: 413.266 ug/l

RT: 9.563 min Scan# 1288

Delta R.T. 0.000 min

Lab File: VN071090.D

Acq: 28 Feb 2022 12:38

Instrument :

MSVOA\_N

ClientSampleId :

VN0228MBS01

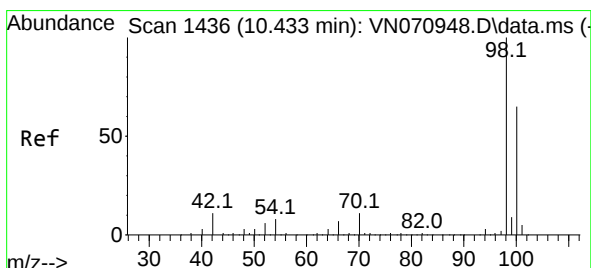
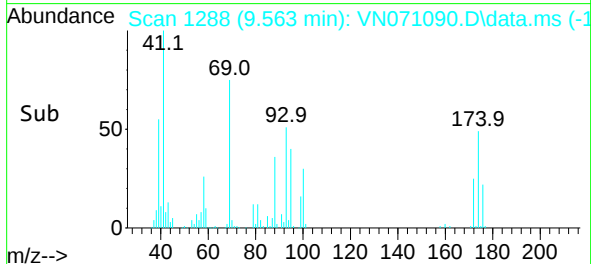
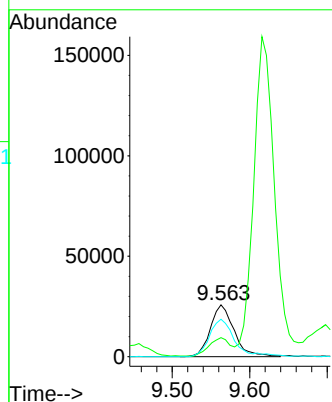
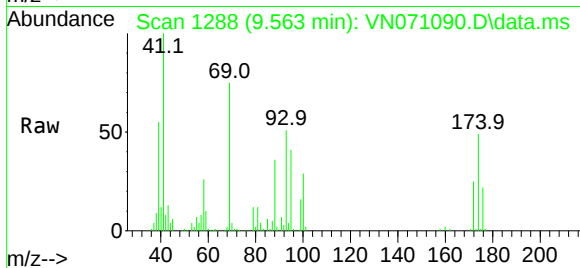
Tgt Ion: 88 Resp: 54741

Ion Ratio Lower Upper

88 100

43 32.6 23.4 35.2

58 77.2 50.6 75.8#



#50

Toluene-d8

Concen: 53.693 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.006 min

Lab File: VN071090.D

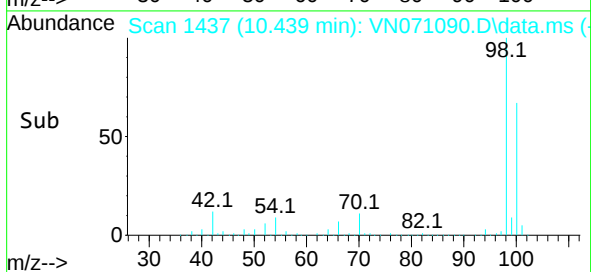
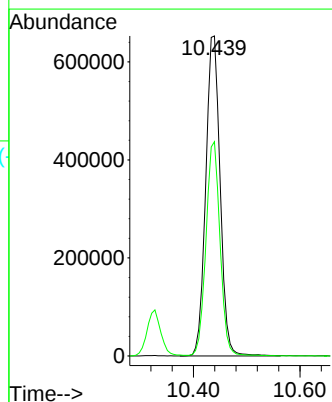
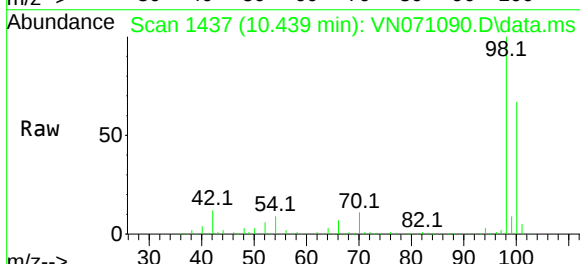
Acq: 28 Feb 2022 12:38

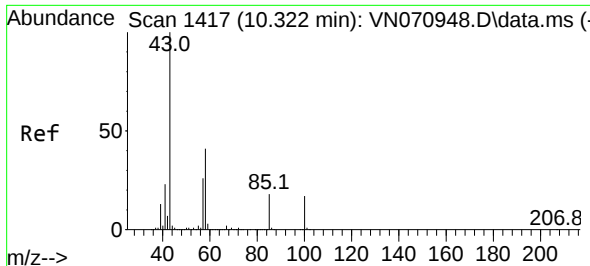
Tgt Ion: 98 Resp: 1226710

Ion Ratio Lower Upper

98 100

100 65.7 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 120.294 ug/l

RT: 10.327 min Scan# 1417

Delta R.T. 0.006 min

Lab File: VN071090.D

Acq: 28 Feb 2022 12:38

Instrument :

MSVOA\_N

ClientSampleId :

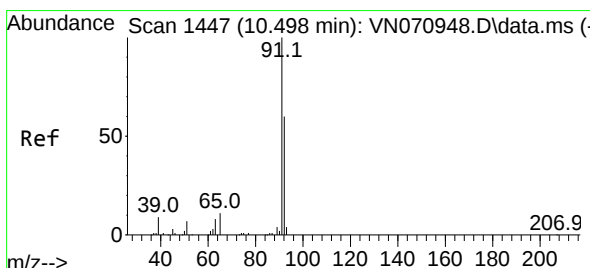
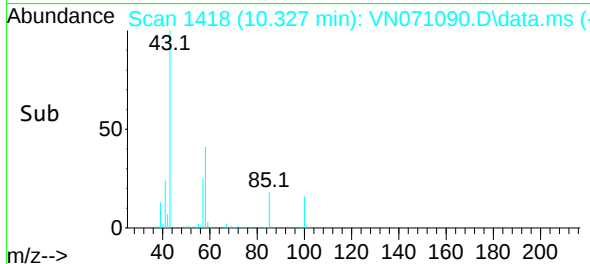
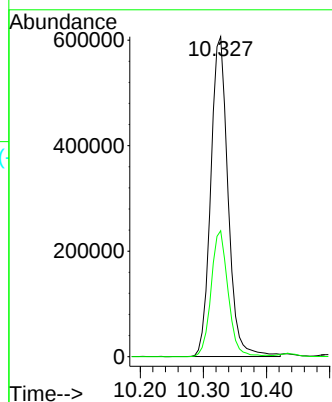
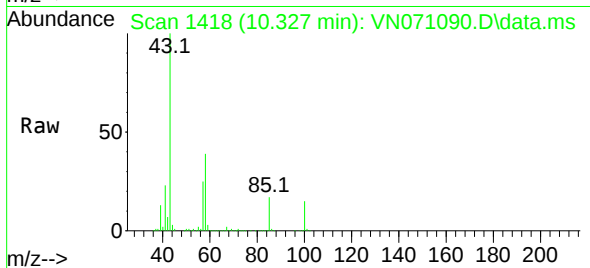
VN0228MBS01

Tgt Ion: 43 Resp: 1153175

Ion Ratio Lower Upper

43 100

58 38.9 30.4 45.6



#52

Toluene

Concen: 21.125 ug/l

RT: 10.498 min Scan# 1447

Delta R.T. 0.000 min

Lab File: VN071090.D

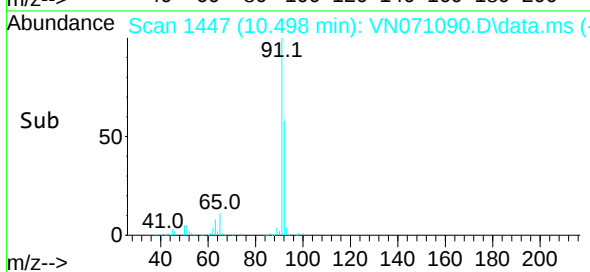
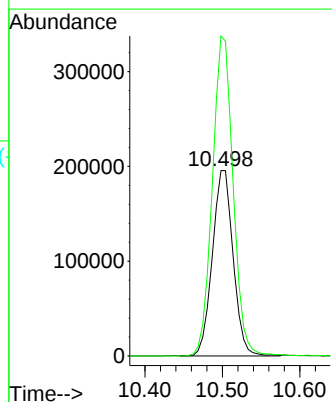
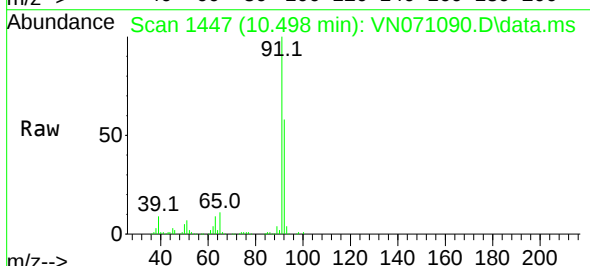
Acq: 28 Feb 2022 12:38

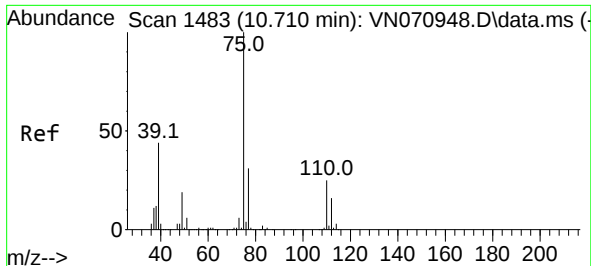
Tgt Ion: 92 Resp: 365980

Ion Ratio Lower Upper

92 100

91 172.1 142.0 213.0

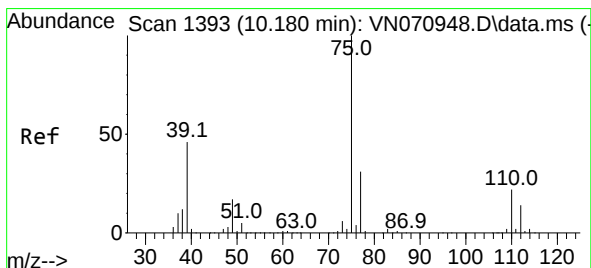
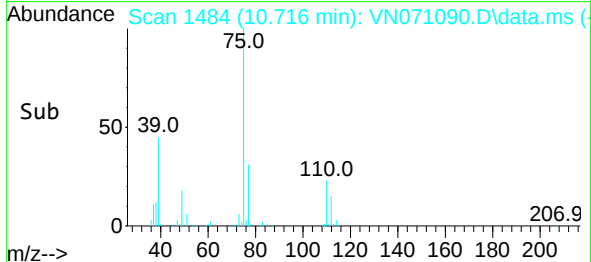
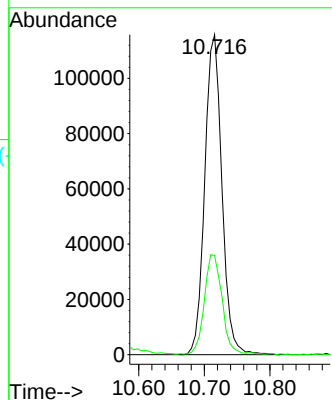
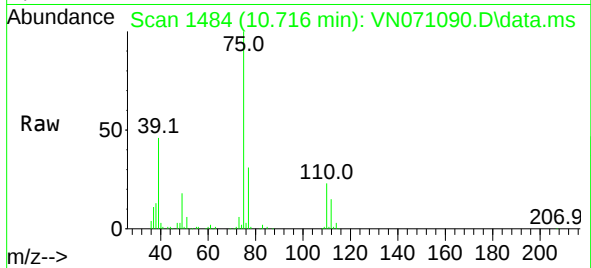




#53  
t-1,3-Dichloropropene  
Concen: 20.672 ug/l  
RT: 10.716 min Scan# 1484  
Delta R.T. 0.006 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

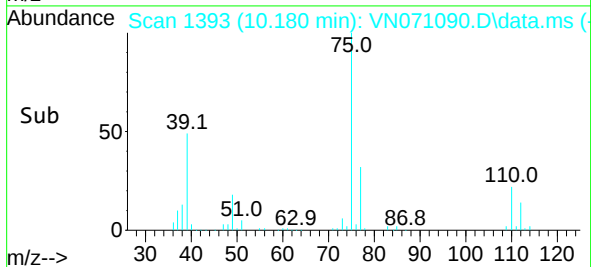
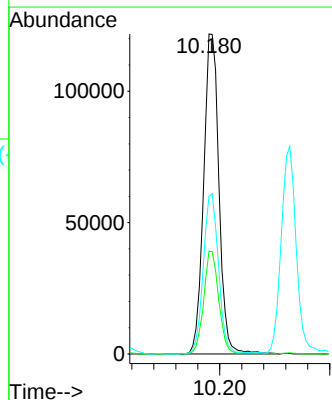
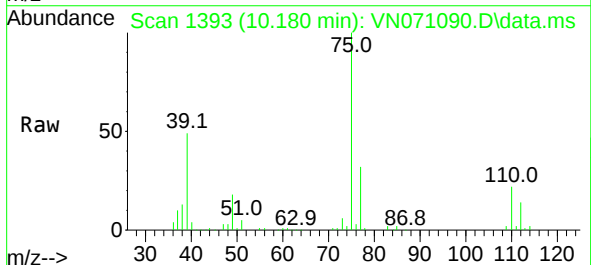
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

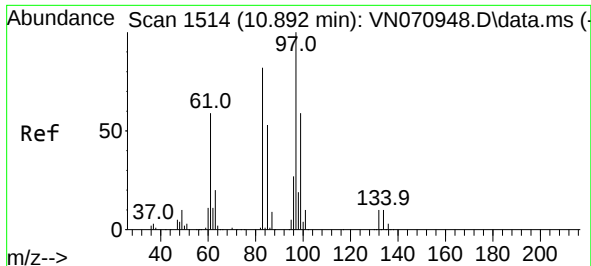
Tgt Ion: 75 Resp: 211135  
Ion Ratio Lower Upper  
75 100  
77 30.8 25.6 38.4



#54  
cis-1,3-Dichloropropene  
Concen: 21.020 ug/l  
RT: 10.180 min Scan# 1393  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

Tgt Ion: 75 Resp: 235777  
Ion Ratio Lower Upper  
75 100  
77 32.2 26.4 39.6  
39 49.3 42.5 63.7

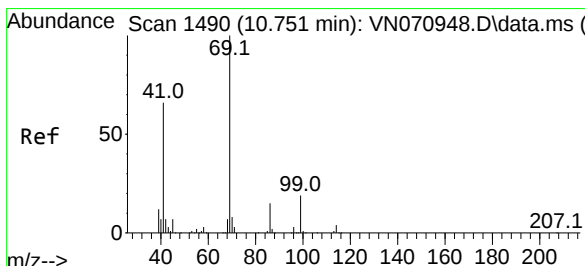
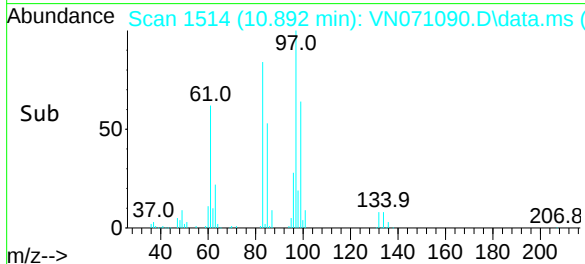
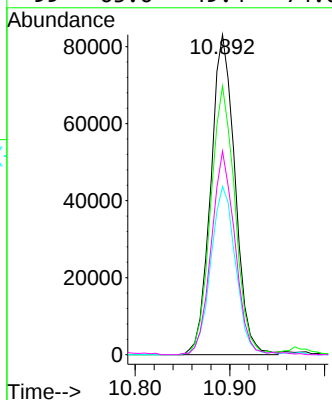
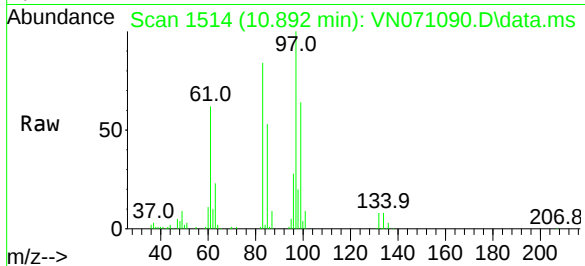




#55  
1,1,2-Trichloroethane  
Concen: 21.762 ug/l  
RT: 10.892 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

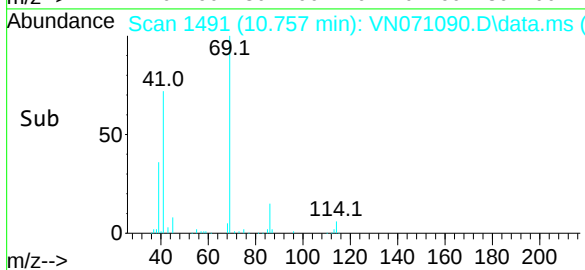
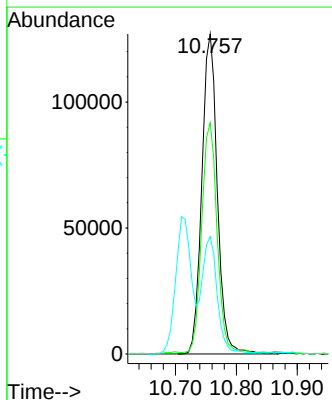
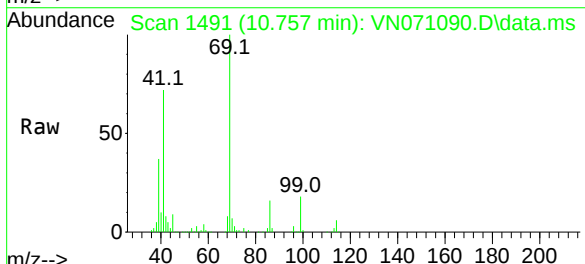
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

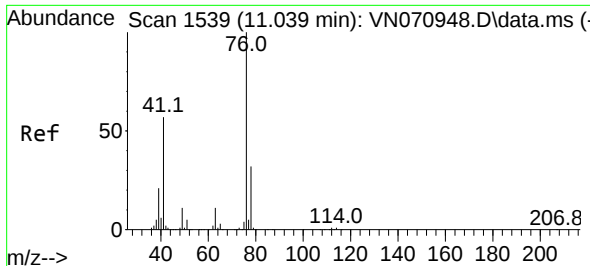
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 147577 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 84.0  | 67.8  | 101.6  |
| 85       | 52.6  | 45.4  | 68.2   |
| 99       | 63.6  | 49.4  | 74.0   |



#56  
Ethyl methacrylate  
Concen: 21.903 ug/l  
RT: 10.757 min Scan# 1491  
Delta R.T. 0.006 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 223784 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 71.1  | 51.4  | 77.0   |
| 39       | 36.0  | 34.6  | 52.0   |





#57

1,3-Dichloropropane

Concen: 21.752 ug/l

RT: 11.039 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN071090.D

Acq: 28 Feb 2022 12:38

Instrument :

MSVOA\_N

ClientSampleId :

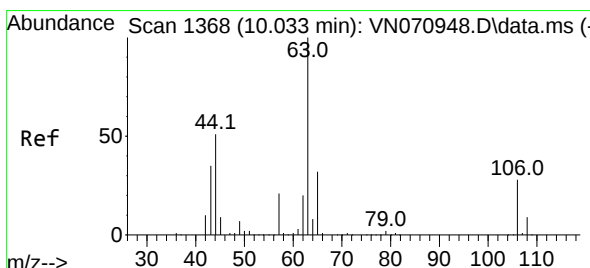
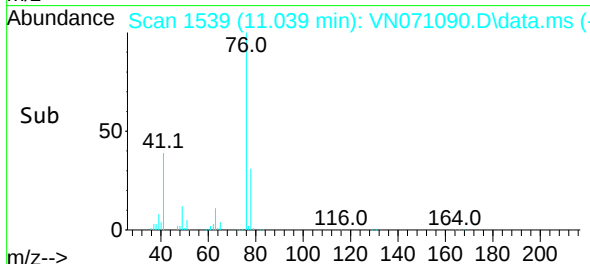
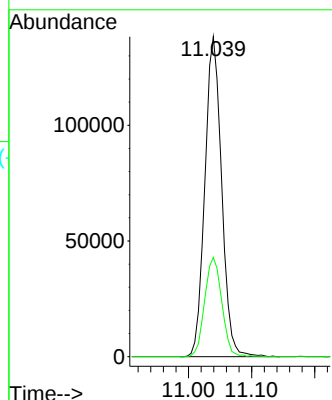
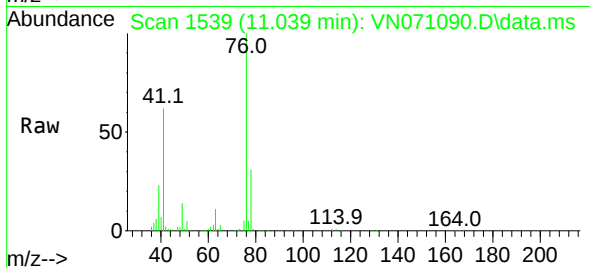
VN0228MBS01

Tgt Ion: 76 Resp: 255151

Ion Ratio Lower Upper

76 100

78 31.7 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 93.676 ug/l

RT: 10.033 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VN071090.D

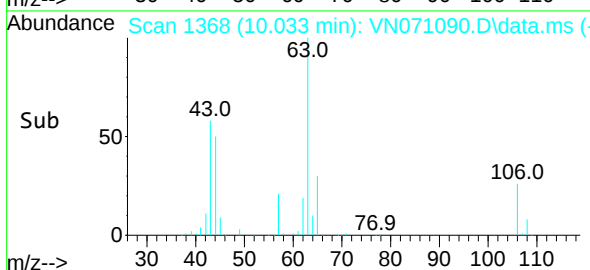
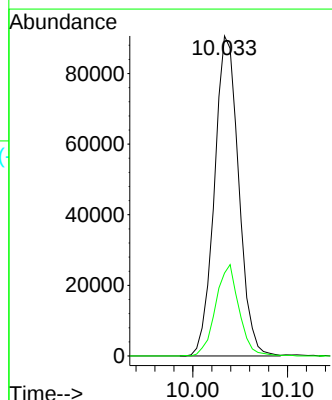
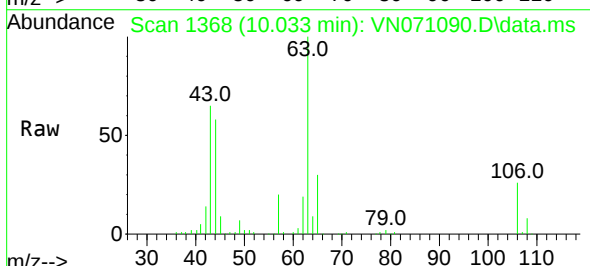
Acq: 28 Feb 2022 12:38

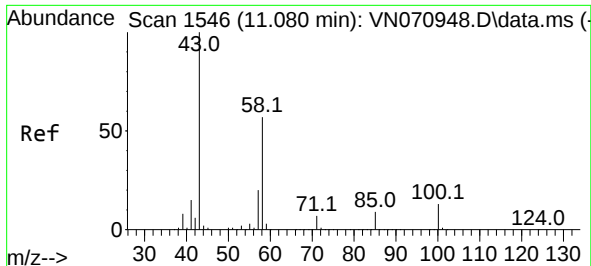
Tgt Ion: 63 Resp: 161119

Ion Ratio Lower Upper

63 100

106 27.6 23.9 35.9

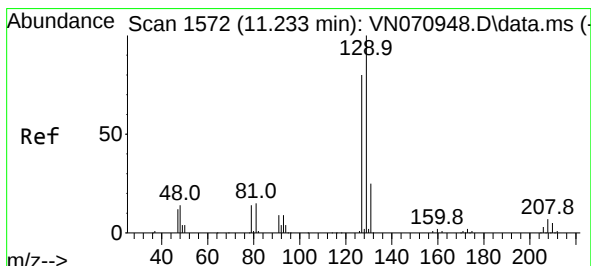
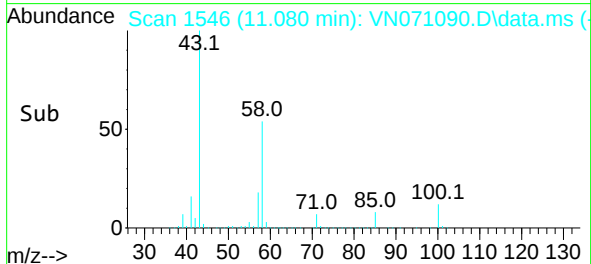
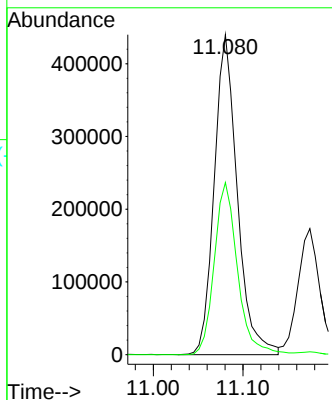
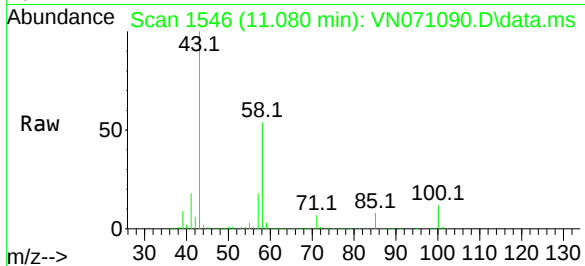




#59  
2-Hexanone  
Concen: 119.099 ug/l  
RT: 11.080 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

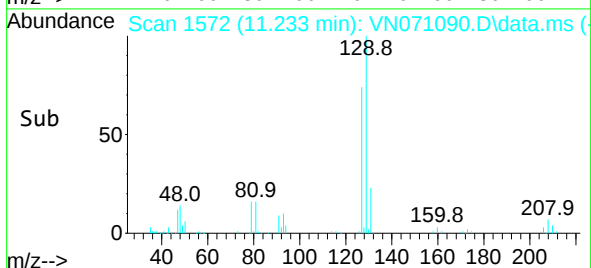
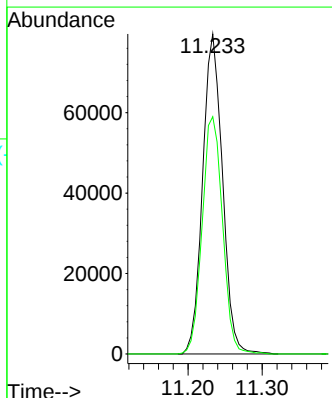
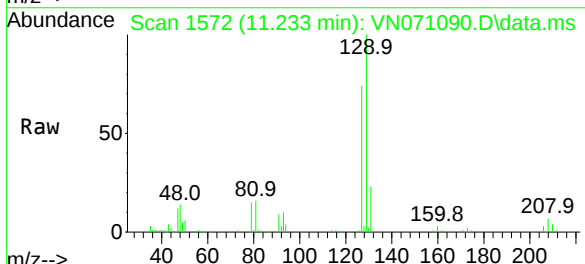
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

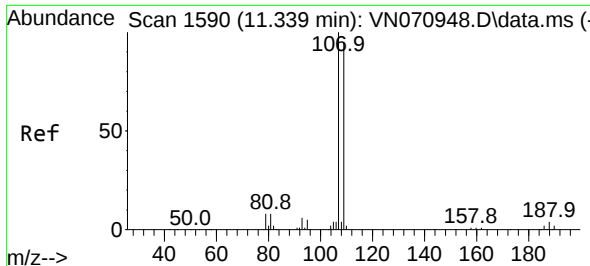
Tgt Ion: 43 Resp: 785220  
Ion Ratio Lower Upper  
43 100  
58 54.3 26.9 80.7



#60  
Dibromochloromethane  
Concen: 20.681 ug/l  
RT: 11.233 min Scan# 1572  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

Tgt Ion: 129 Resp: 148213  
Ion Ratio Lower Upper  
129 100  
127 76.0 38.6 116.0

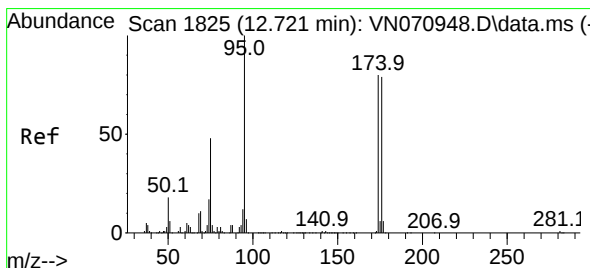
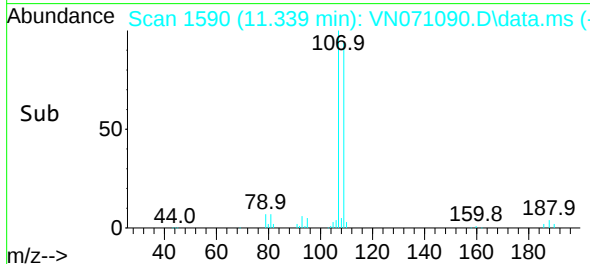
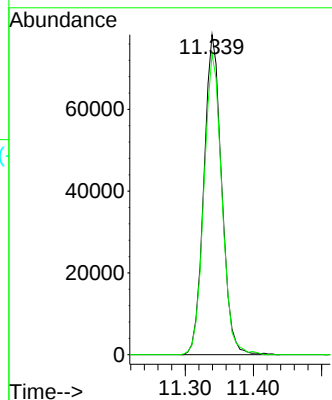
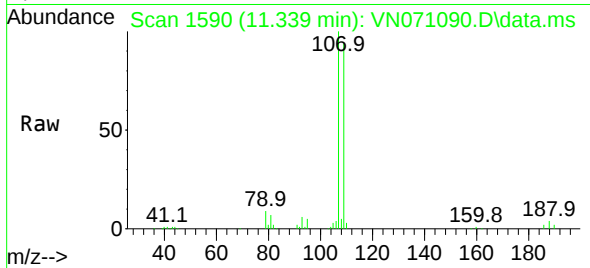




#61  
1,2-Dibromoethane  
Concen: 20.521 ug/l  
RT: 11.339 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

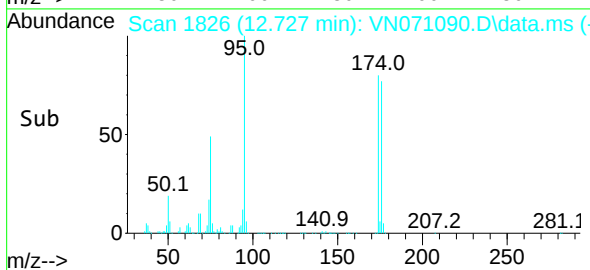
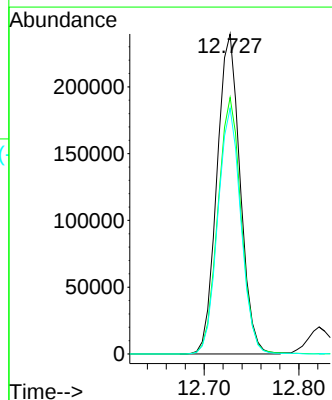
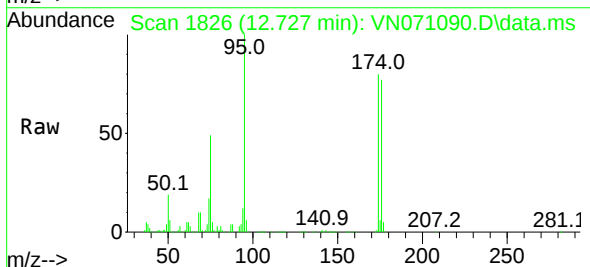
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

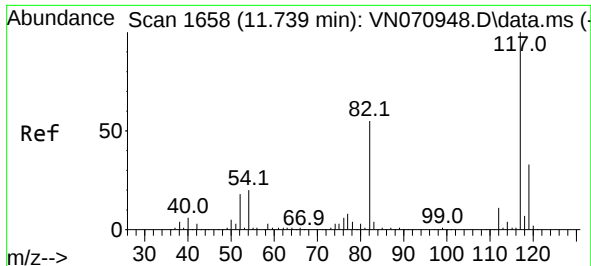
Tgt Ion:107 Resp: 141541  
Ion Ratio Lower Upper  
107 100  
109 95.4 75.7 113.5



#62  
4-Bromofluorobenzene  
Concen: 49.967 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.006 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

Tgt Ion: 95 Resp: 408055  
Ion Ratio Lower Upper  
95 100  
174 80.4 0.0 187.2  
176 76.4 0.0 181.4

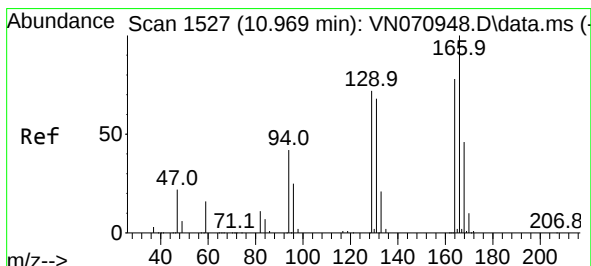
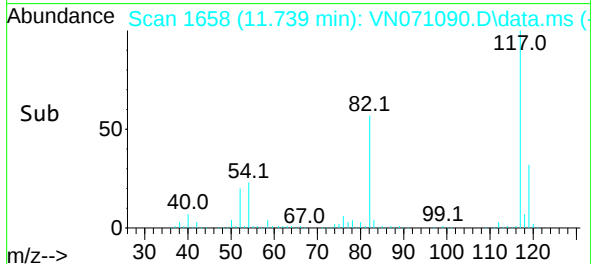
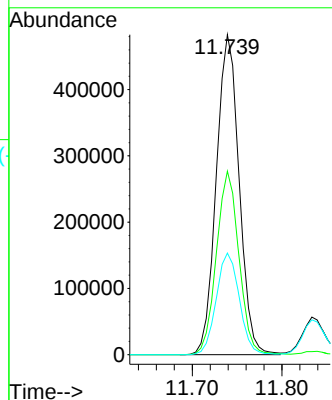
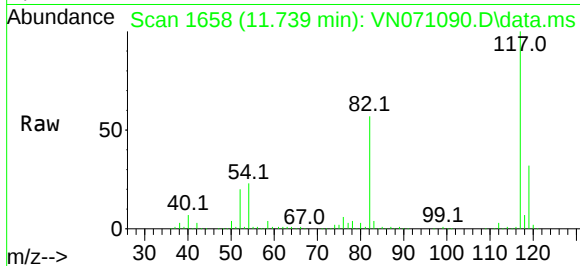




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

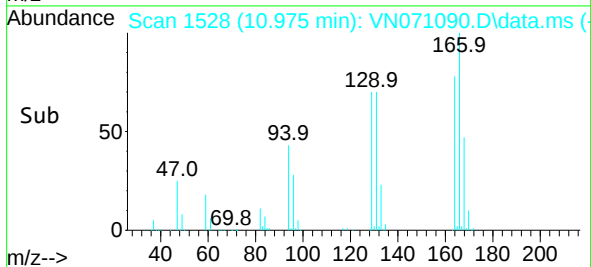
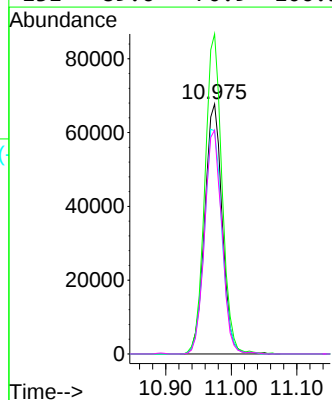
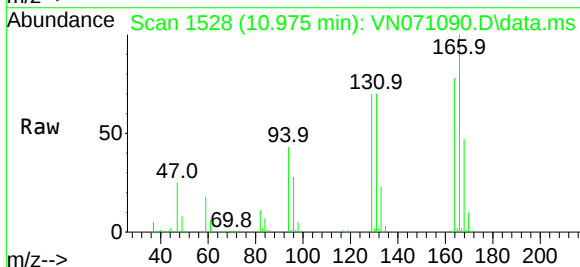
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

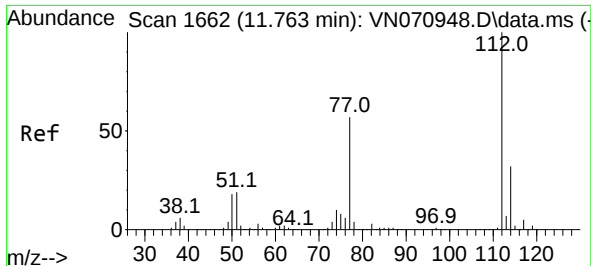
Tgt Ion:117 Resp: 853949  
Ion Ratio Lower Upper  
117 100  
82 57.3 42.4 63.6  
119 31.8 25.4 38.2



#64  
Tetrachloroethene  
Concen: 18.814 ug/l  
RT: 10.975 min Scan# 1528  
Delta R.T. 0.006 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

Tgt Ion:164 Resp: 125120  
Ion Ratio Lower Upper  
164 100  
166 128.1 101.9 152.9  
129 89.3 72.0 108.0  
131 89.6 70.9 106.3

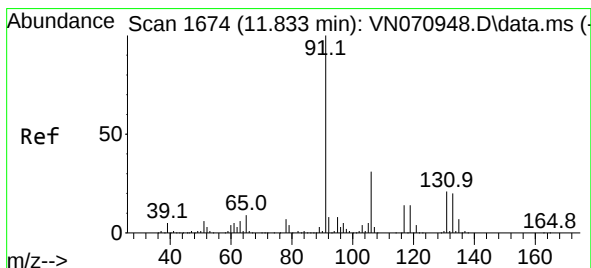
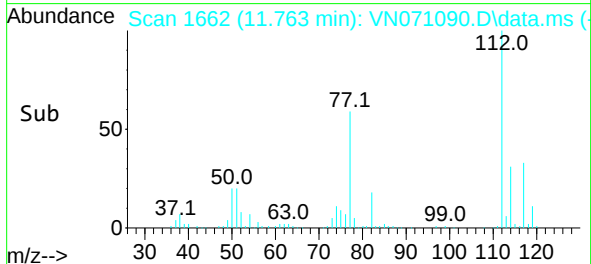
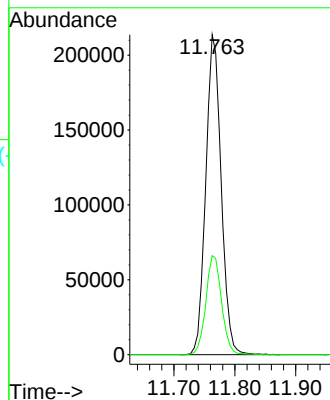
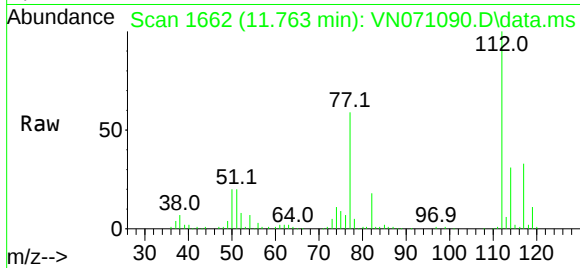




#65  
Chlorobenzene  
Concen: 20.391 ug/l  
RT: 11.763 min Scan# 1662  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

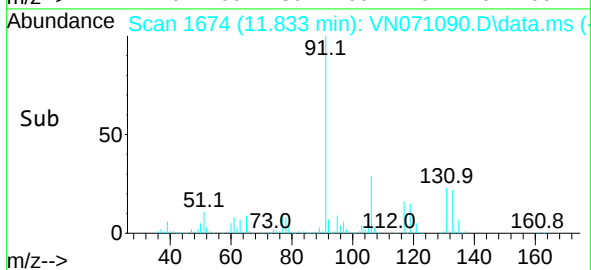
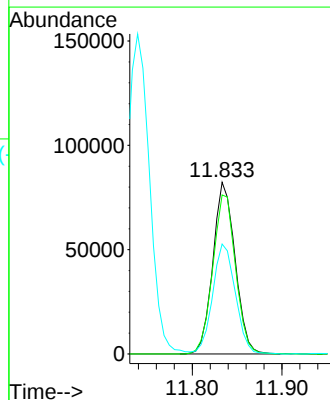
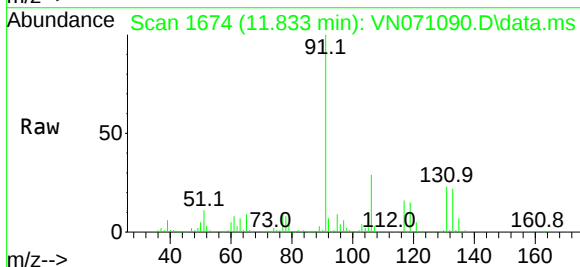
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

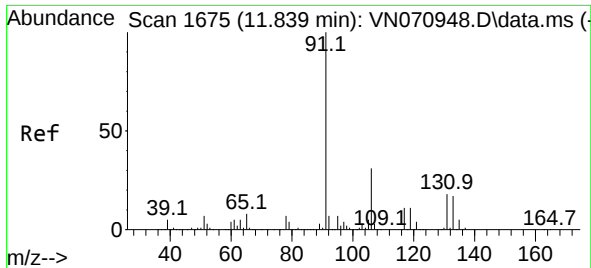
Tgt Ion:112 Resp: 375217  
Ion Ratio Lower Upper  
112 100  
114 30.9 25.4 38.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.107 ug/l  
RT: 11.833 min Scan# 1674  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

Tgt Ion:131 Resp: 141579  
Ion Ratio Lower Upper  
131 100  
133 95.0 47.9 143.7  
119 65.5 32.1 96.5

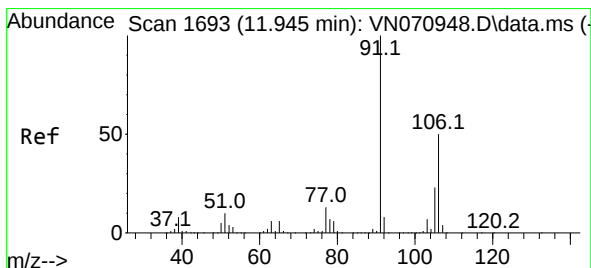
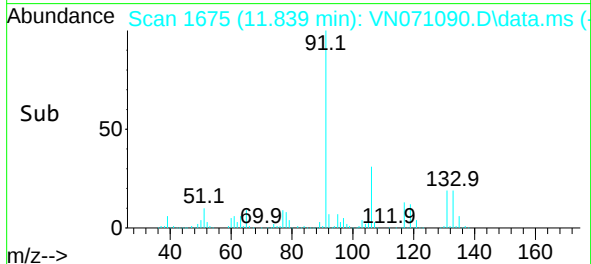
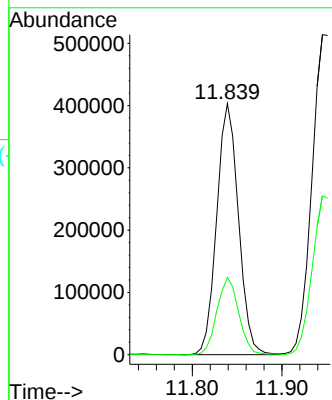
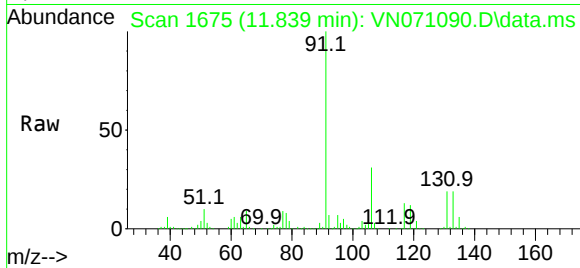




#67  
Ethyl Benzene  
Concen: 21.073 ug/l  
RT: 11.839 min Scan# 1675  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

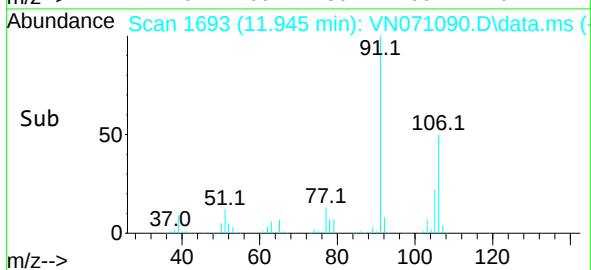
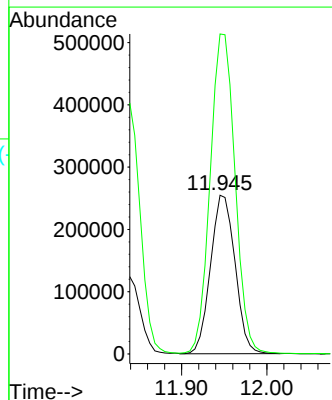
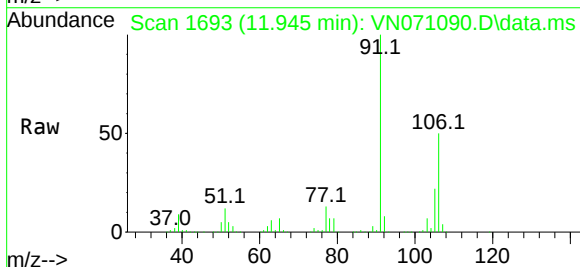
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

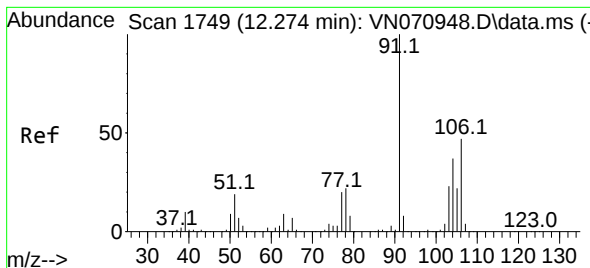
Tgt Ion: 91 Resp: 678671  
Ion Ratio Lower Upper  
91 100  
106 30.8 25.7 38.5



#68  
m/p-Xylenes  
Concen: 40.969 ug/l  
RT: 11.945 min Scan# 1693  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

Tgt Ion: 106 Resp: 509668  
Ion Ratio Lower Upper  
106 100  
91 204.8 160.6 240.8





#69

o-Xylene

Concen: 20.889 ug/l

RT: 12.274 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VN071090.D

Acq: 28 Feb 2022 12:38

Instrument :

MSVOA\_N

ClientSampleId :

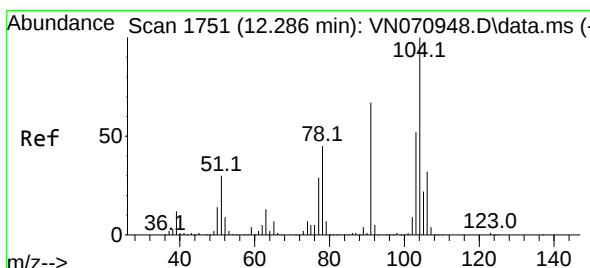
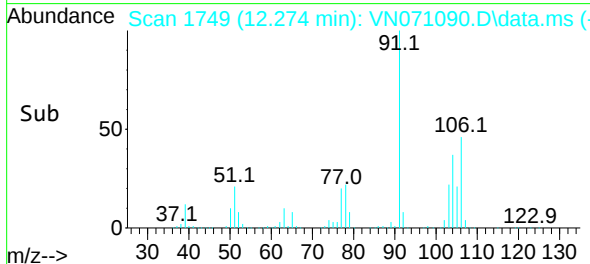
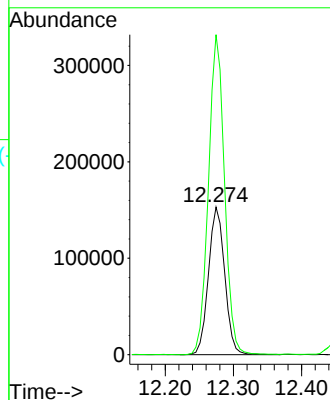
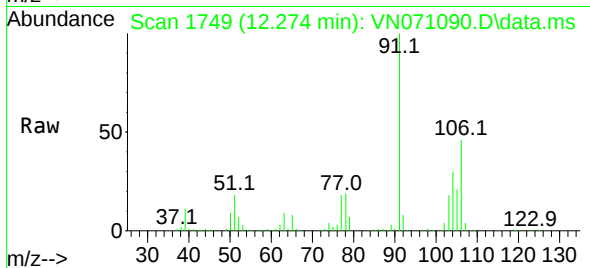
VN0228MBS01

Tgt Ion:106 Resp: 253854

Ion Ratio Lower Upper

106 100

91 214.2 105.8 317.3



#70

Styrene

Concen: 20.714 ug/l

RT: 12.286 min Scan# 1751

Delta R.T. 0.000 min

Lab File: VN071090.D

Acq: 28 Feb 2022 12:38

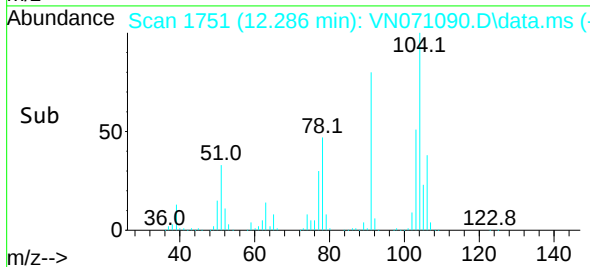
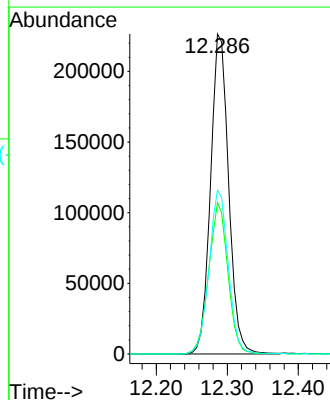
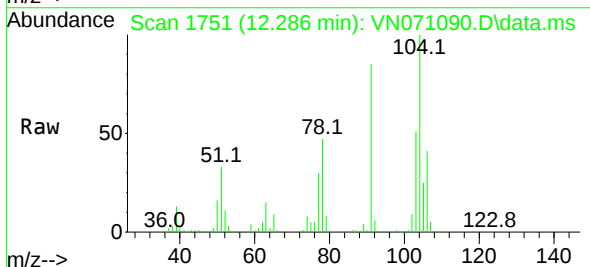
Tgt Ion:104 Resp: 400258

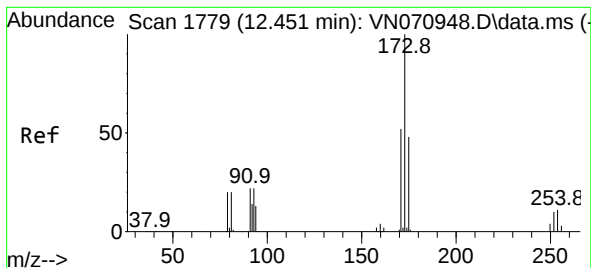
Ion Ratio Lower Upper

104 100

78 50.2 38.7 58.1

103 54.3 45.0 67.6





#71

Bromoform

Concen: 19.941 ug/l

RT: 12.451 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN071090.D

Acq: 28 Feb 2022 12:38

Instrument :

MSVOA\_N

ClientSampleId :

VN0228MBS01

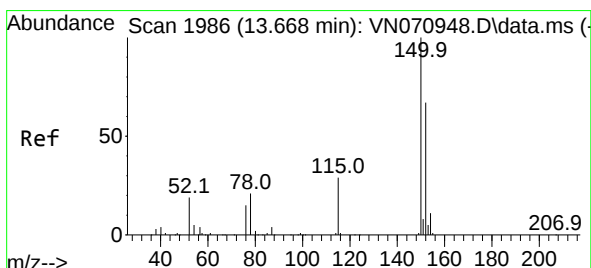
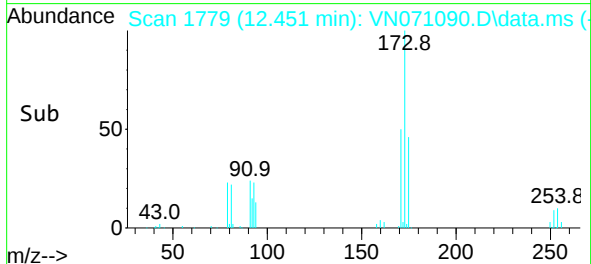
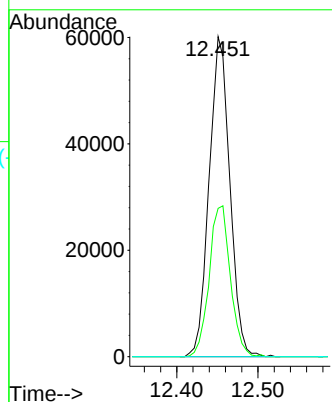
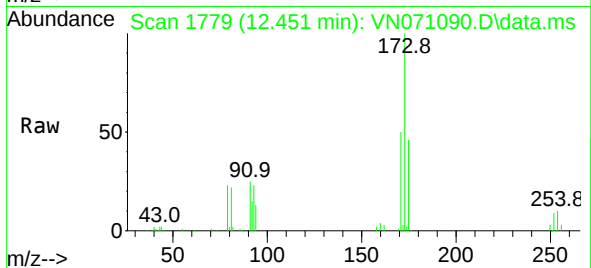
Tgt Ion:173 Resp: 106525

Ion Ratio Lower Upper

173 100

175 48.4 24.2 72.6

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.668 min Scan# 1986

Delta R.T. 0.000 min

Lab File: VN071090.D

Acq: 28 Feb 2022 12:38

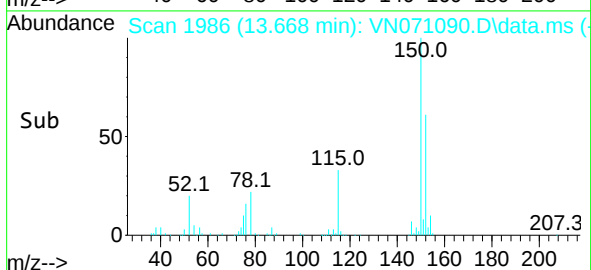
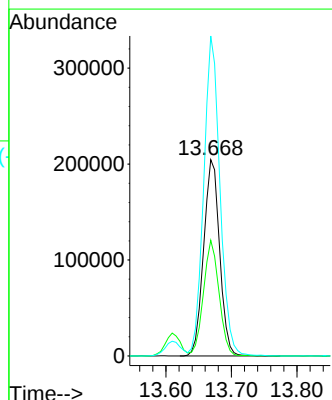
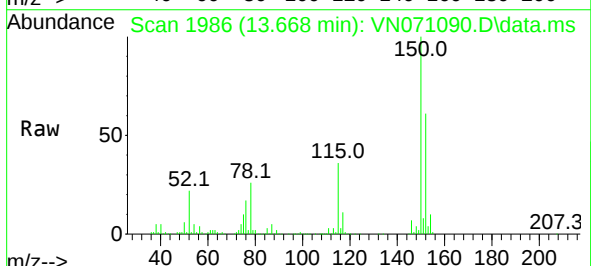
Tgt Ion:152 Resp: 348054

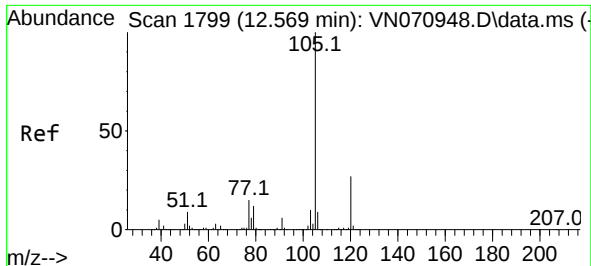
Ion Ratio Lower Upper

152 100

115 57.2 27.5 82.5

150 165.7 0.0 344.4

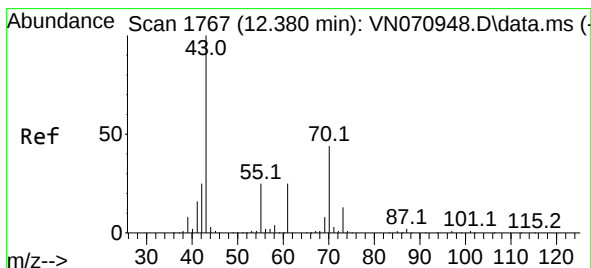
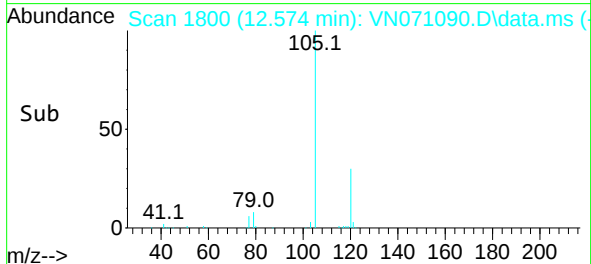
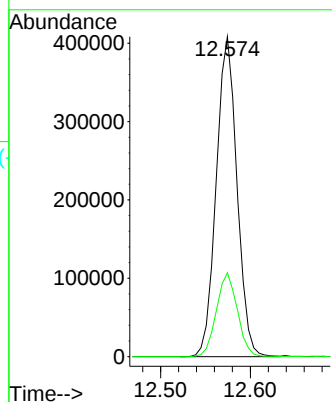
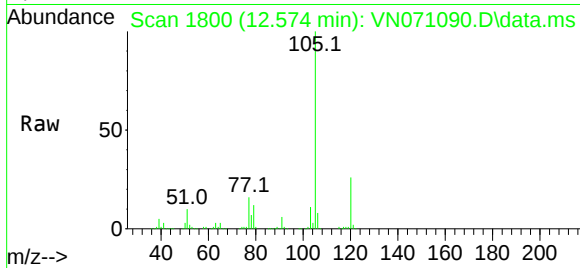




#73  
Isopropylbenzene  
Concen: 23.387 ug/l  
RT: 12.574 min Scan# 1799  
Delta R.T. 0.006 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

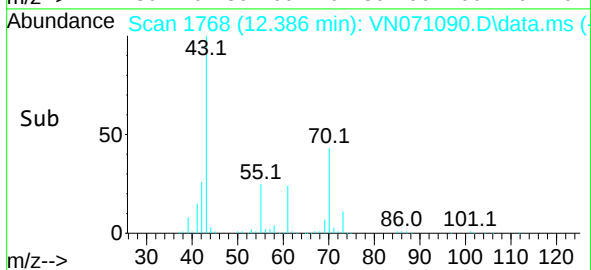
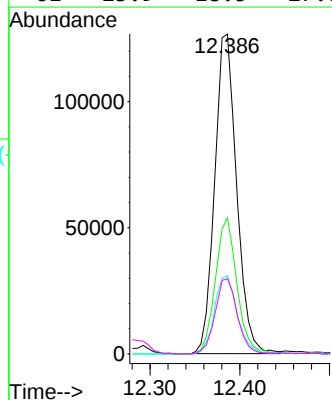
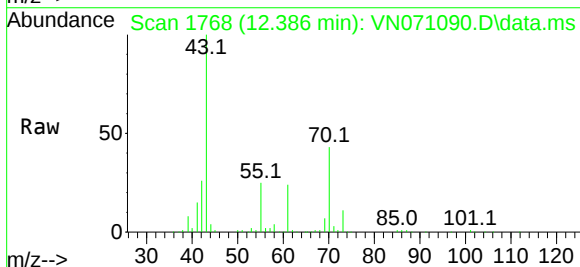
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

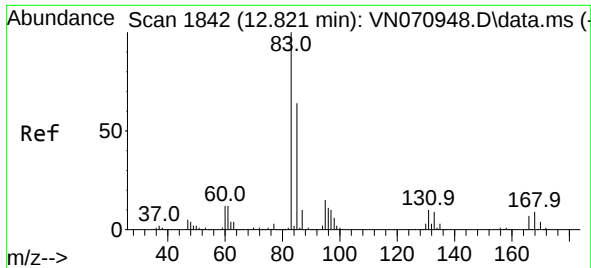
Tgt Ion:105 Resp: 655204  
Ion Ratio Lower Upper  
105 100  
120 26.5 13.4 40.1



#74  
N-ethyl acetate  
Concen: 23.995 ug/l  
RT: 12.386 min Scan# 1768  
Delta R.T. 0.006 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

Tgt Ion: 43 Resp: 214878  
Ion Ratio Lower Upper  
43 100  
70 42.2 33.4 50.0  
55 25.5 19.3 28.9  
61 23.9 18.5 27.7

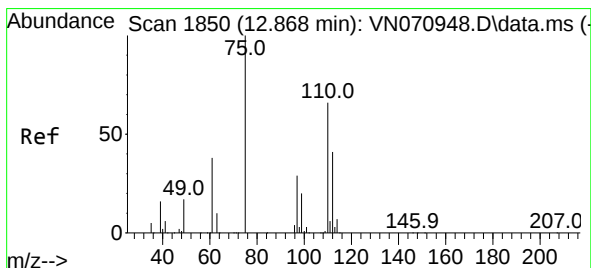
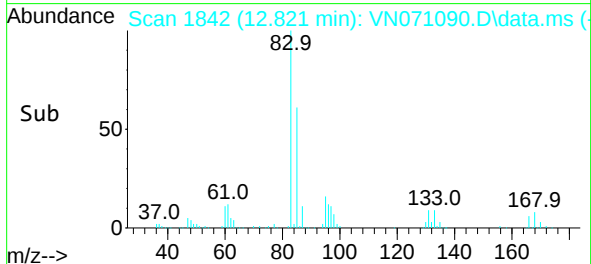
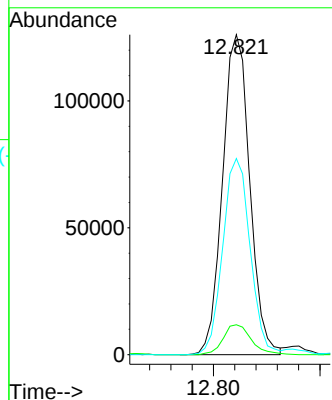
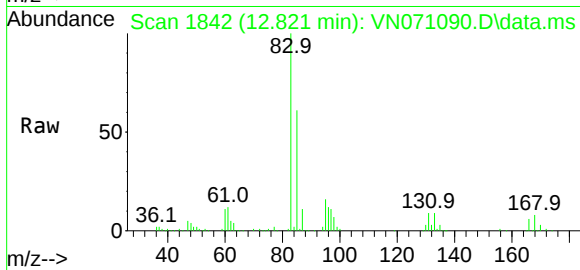




#75  
1,1,2,2-Tetrachloroethane  
Concen: 25.082 ug/l  
RT: 12.821 min Scan# 1842  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

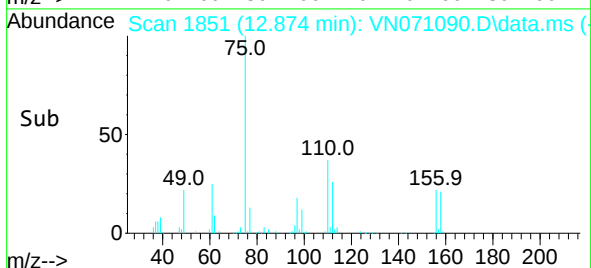
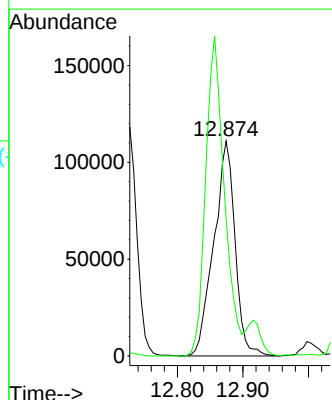
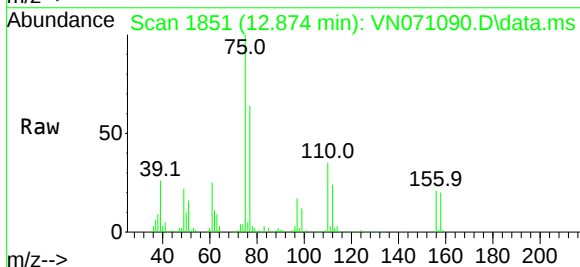
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

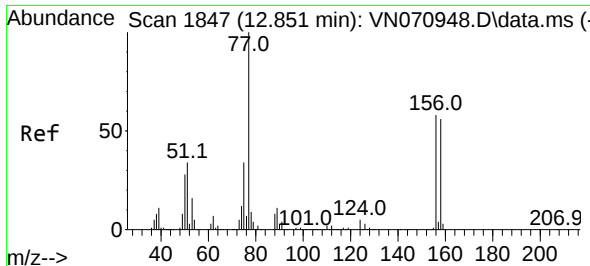
Tgt Ion: 83 Resp: 223294  
Ion Ratio Lower Upper  
83 100  
131 9.7 5.5 16.5  
85 61.7 32.4 97.2



#76  
1,2,3-Trichloropropane  
Concen: 30.405 ug/l  
RT: 12.874 min Scan# 1851  
Delta R.T. 0.006 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

Tgt Ion: 75 Resp: 249171  
Ion Ratio Lower Upper  
75 100  
77 131.3 82.6 247.8

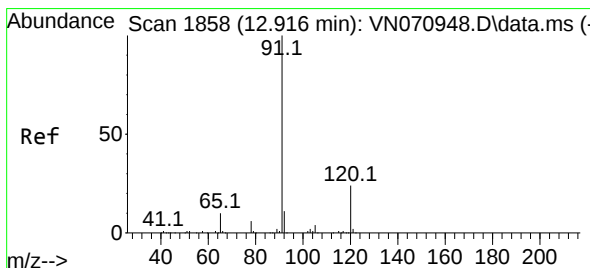
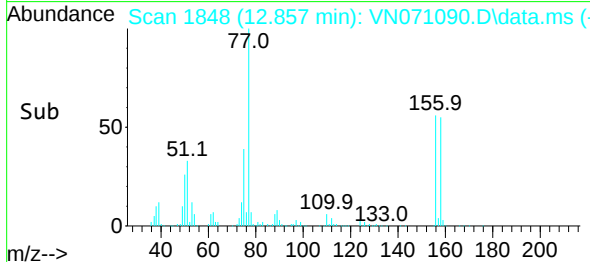
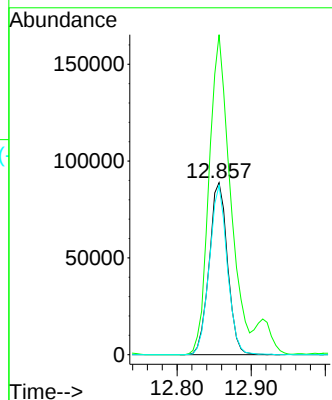
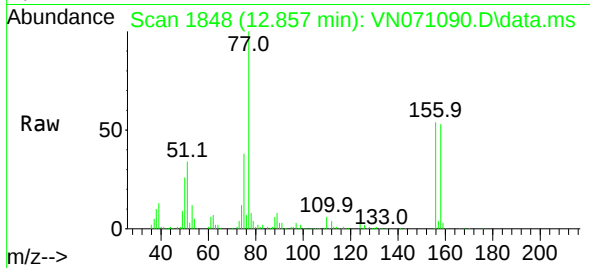




#77  
Bromobenzene  
Concen: 22.267 ug/l  
RT: 12.857 min Scan# 1847  
Delta R.T. 0.006 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

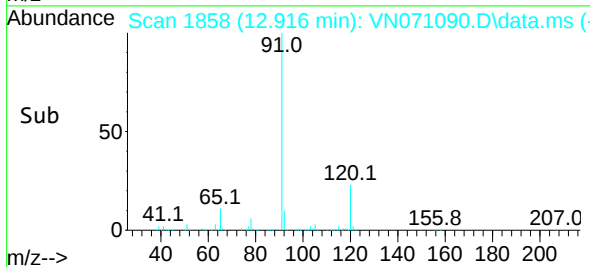
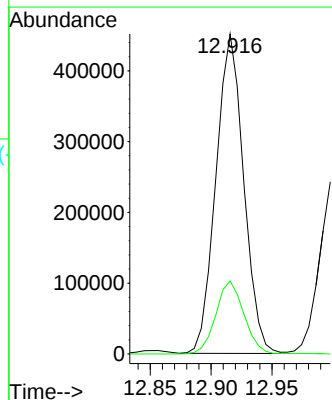
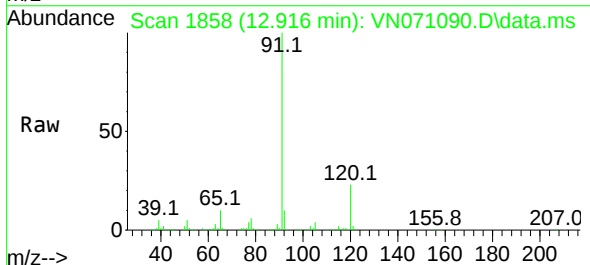
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

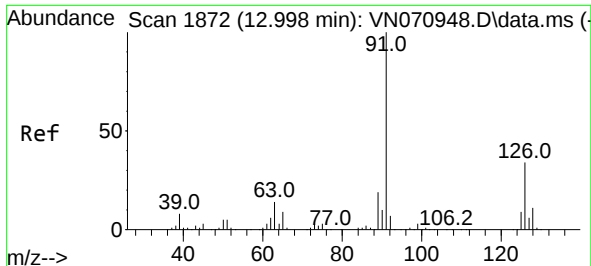
Tgt Ion:156 Resp: 152714  
Ion Ratio Lower Upper  
156 100  
77 214.2 90.6 271.8  
158 96.1 48.9 146.7



#78  
n-propylbenzene  
Concen: 22.710 ug/l  
RT: 12.916 min Scan# 1858  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

Tgt Ion: 91 Resp: 714827  
Ion Ratio Lower Upper  
91 100  
120 23.1 11.9 35.9





#79

2-Chlorotoluene

Concen: 23.458 ug/l

RT: 13.004 min Scan# 1873

Delta R.T. 0.006 min

Lab File: VN071090.D

Acq: 28 Feb 2022 12:38

Instrument :

MSVOA\_N

ClientSampleId :

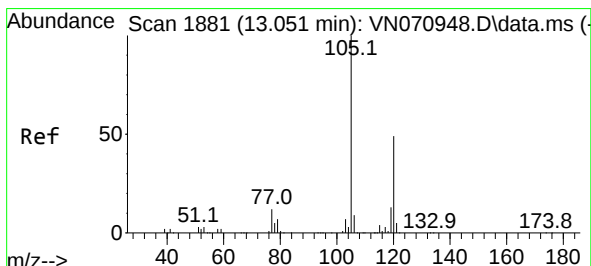
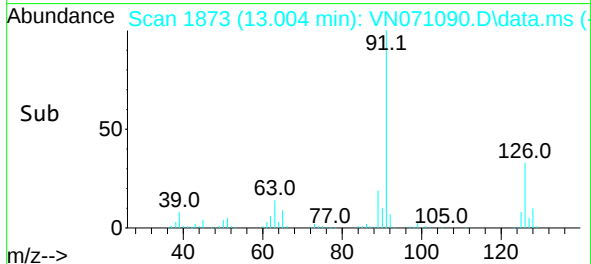
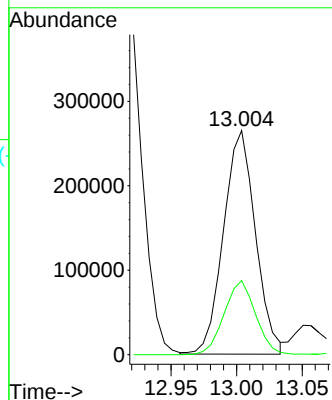
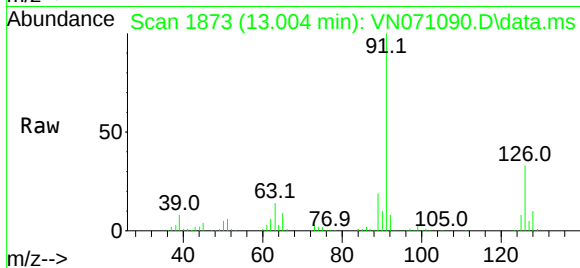
VN0228MBS01

Tgt Ion: 91 Resp: 448402

Ion Ratio Lower Upper

91 100

126 32.6 18.3 54.8



#80

1,3,5-Trimethylbenzene

Concen: 23.194 ug/l

RT: 13.051 min Scan# 1881

Delta R.T. 0.000 min

Lab File: VN071090.D

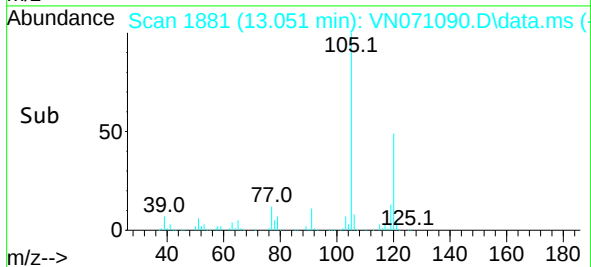
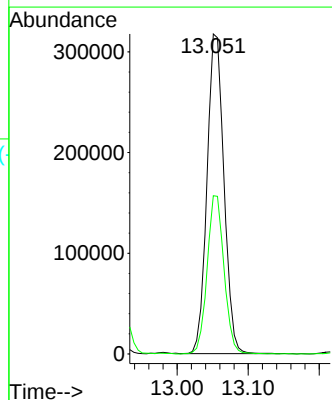
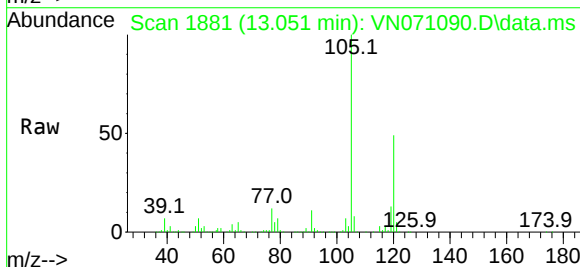
Acq: 28 Feb 2022 12:38

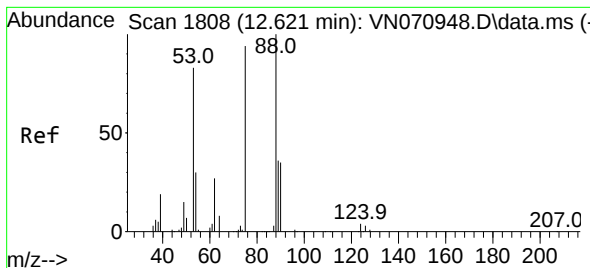
Tgt Ion: 105 Resp: 526435

Ion Ratio Lower Upper

105 100

120 49.5 24.6 73.6

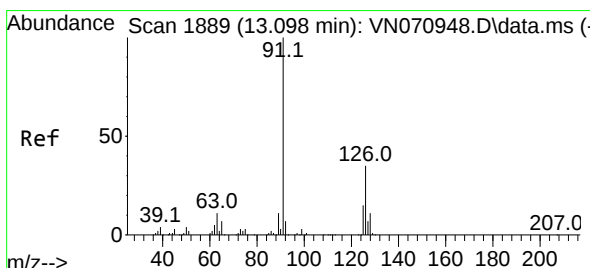
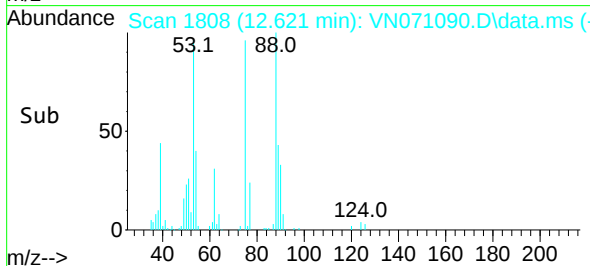
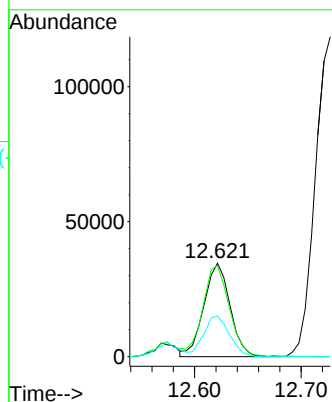
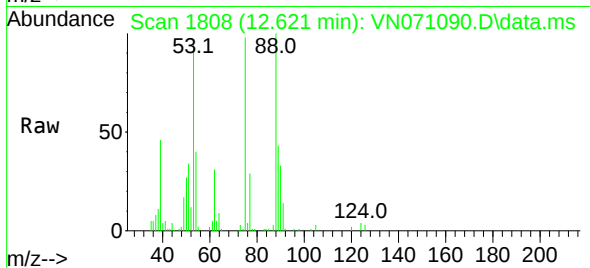




#81  
trans-1,4-Dichloro-2-butene  
Concen: 23.294 ug/l  
RT: 12.621 min Scan# 1808  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

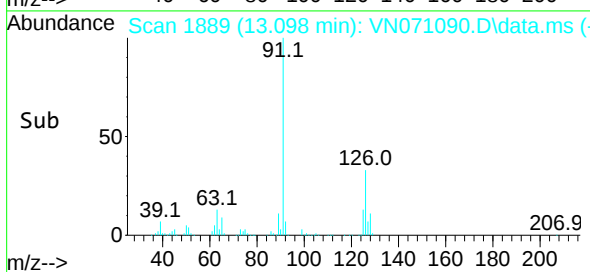
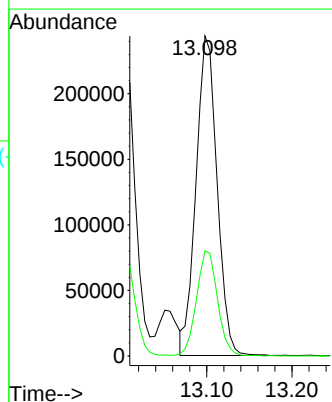
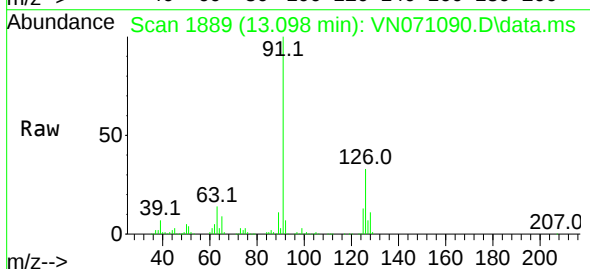
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

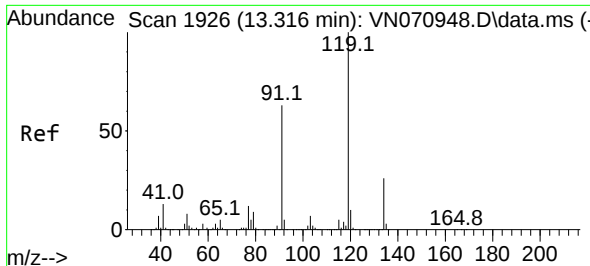
Tgt Ion: 75 Resp: 58910  
Ion Ratio Lower Upper  
75 100  
53 97.1 90.5 135.7  
89 43.3 38.2 57.4



#82  
4-Chlorotoluene  
Concen: 22.477 ug/l  
RT: 13.098 min Scan# 1889  
Delta R.T. -0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

Tgt Ion: 91 Resp: 417069  
Ion Ratio Lower Upper  
91 100  
126 33.0 18.2 54.6

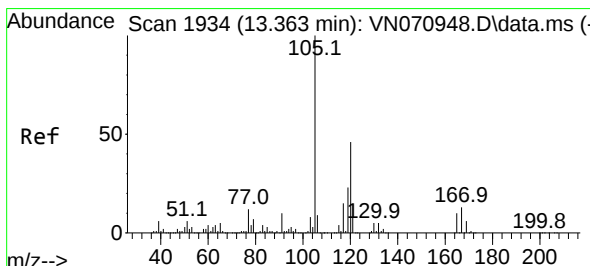
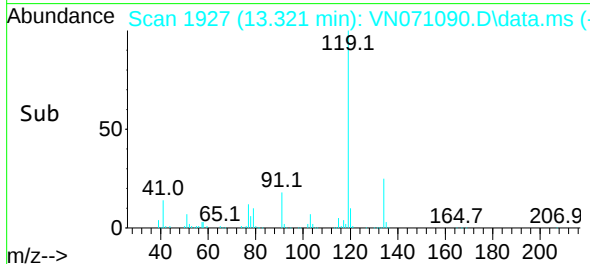
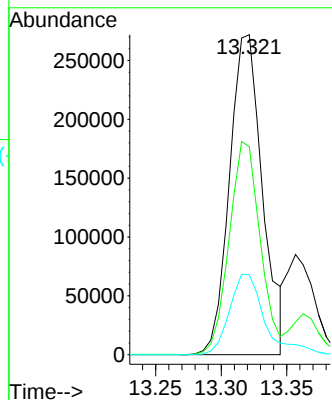
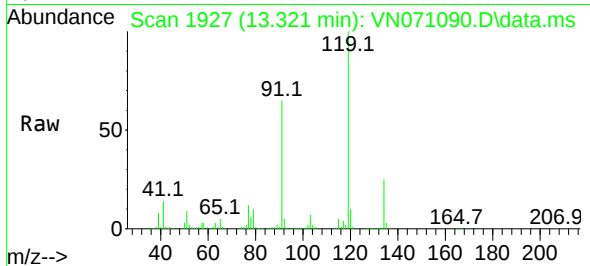




#83  
tert-Butylbenzene  
Concen: 22.140 ug/l  
RT: 13.321 min Scan# 1927  
Delta R.T. 0.006 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

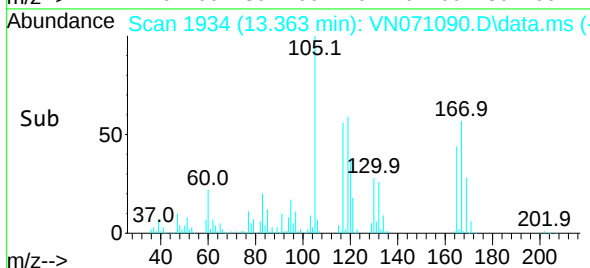
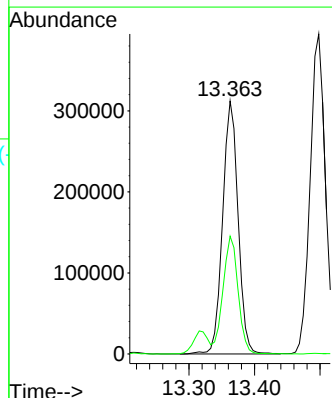
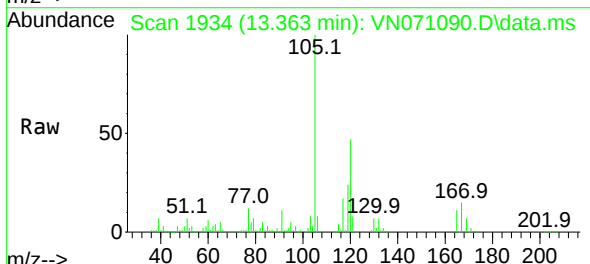
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

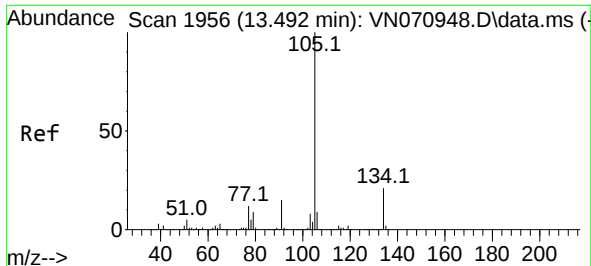
Tgt Ion:119 Resp: 476553  
Ion Ratio Lower Upper  
119 100  
91 62.6 31.5 94.5  
134 27.0 12.4 37.4



#84  
1,2,4-Trimethylbenzene  
Concen: 22.798 ug/l  
RT: 13.363 min Scan# 1934  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

Tgt Ion:105 Resp: 509368  
Ion Ratio Lower Upper  
105 100  
120 45.7 22.8 68.4

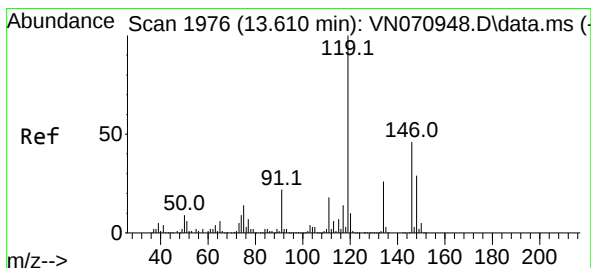
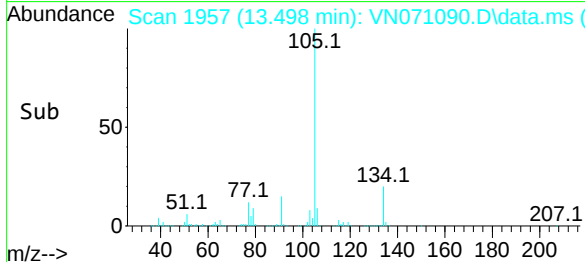
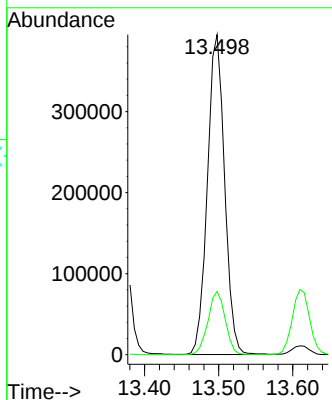
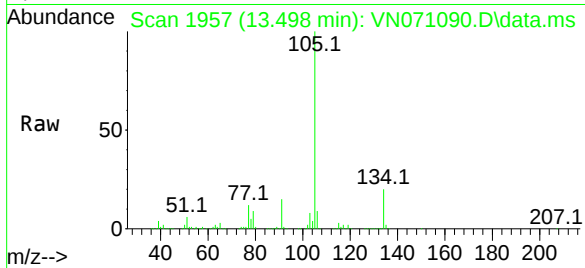




#85  
 sec-Butylbenzene  
 Concen: 22.446 ug/l  
 RT: 13.498 min Scan# 1956  
 Delta R.T. 0.006 min  
 Lab File: VN071090.D  
 Acq: 28 Feb 2022 12:38

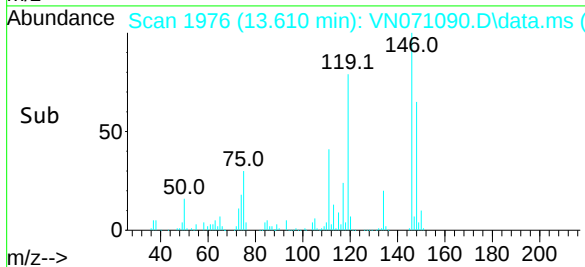
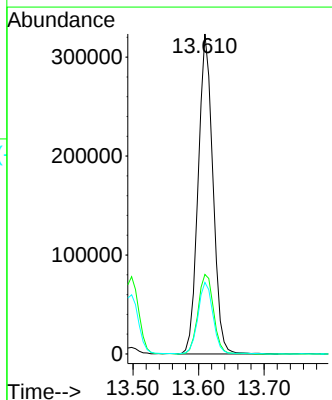
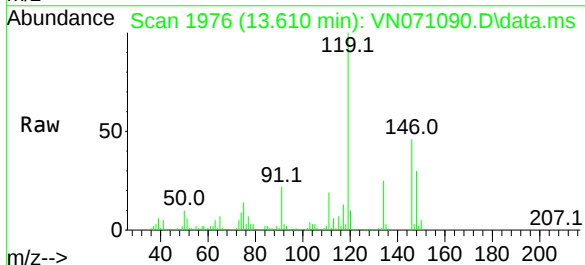
Instrument :  
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 ClientSampleId :  
 VN0228MBS01

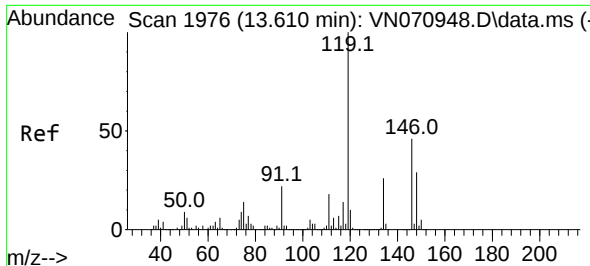
Tgt Ion:105 Resp: 636618  
 Ion Ratio Lower Upper  
 105 100  
 134 19.9 10.4 31.1



#86  
 p-Isopropyltoluene  
 Concen: 21.750 ug/l  
 RT: 13.610 min Scan# 1976  
 Delta R.T. 0.000 min  
 Lab File: VN071090.D  
 Acq: 28 Feb 2022 12:38

Tgt Ion:119 Resp: 506429  
 Ion Ratio Lower Upper  
 119 100  
 134 26.0 13.6 40.7  
 91 22.9 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 20.662 ug/l

RT: 13.610 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VN071090.D

Acq: 28 Feb 2022 12:38

Instrument :

MSVOA\_N

ClientSampleId :

VN0228MBS01

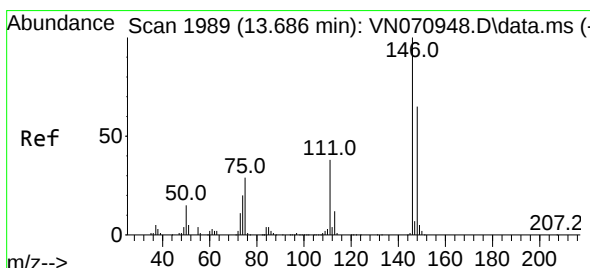
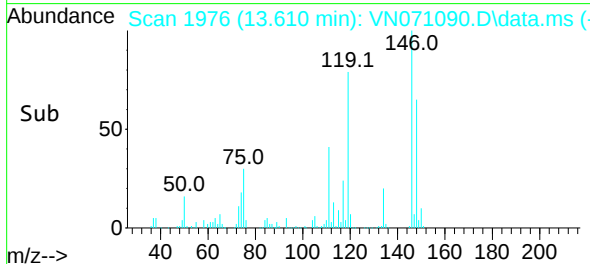
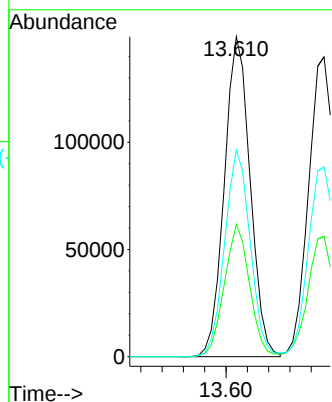
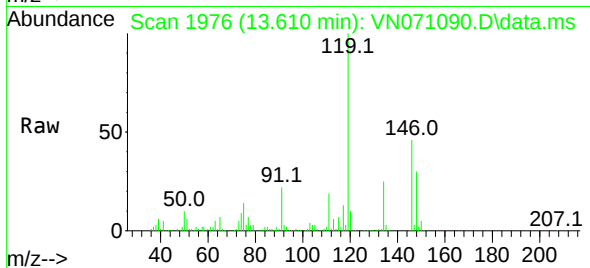
Tgt Ion:146 Resp: 250847

Ion Ratio Lower Upper

146 100

111 40.5 18.6 55.6

148 64.1 31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 20.262 ug/l

RT: 13.692 min Scan# 1990

Delta R.T. 0.006 min

Lab File: VN071090.D

Acq: 28 Feb 2022 12:38

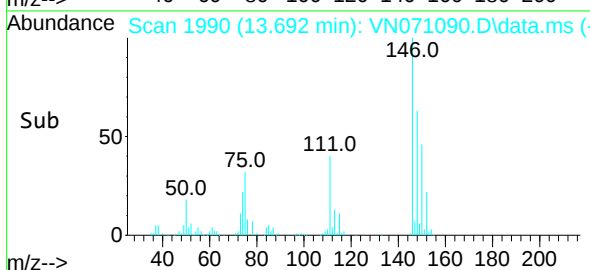
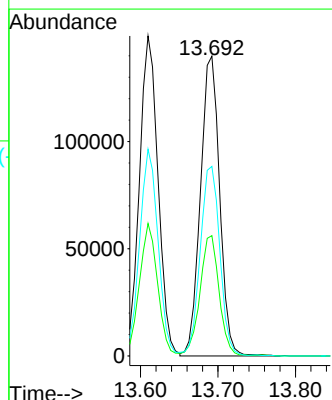
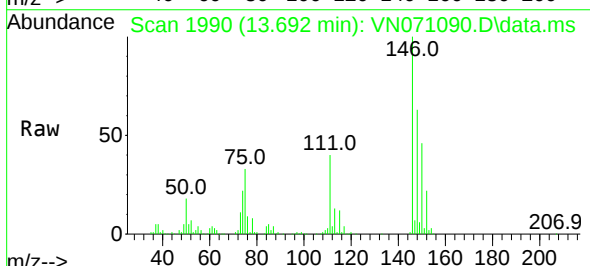
Tgt Ion:146 Resp: 241007

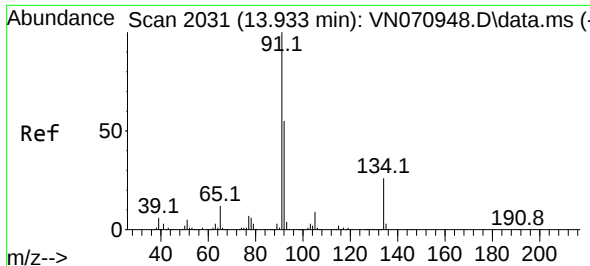
Ion Ratio Lower Upper

146 100

111 39.7 18.3 54.8

148 64.0 31.8 95.4

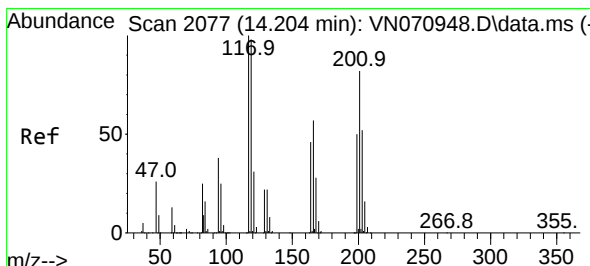
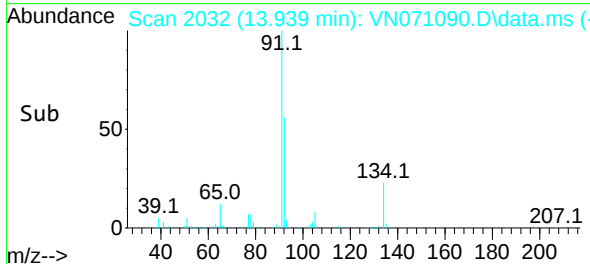
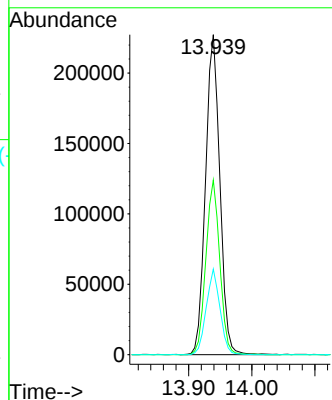
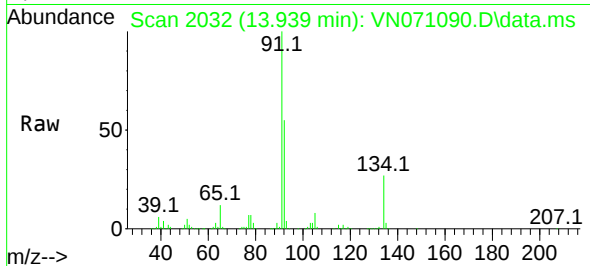




#89  
n-Butylbenzene  
Concen: 18.841 ug/l  
RT: 13.939 min Scan# 2031  
Delta R.T. 0.006 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

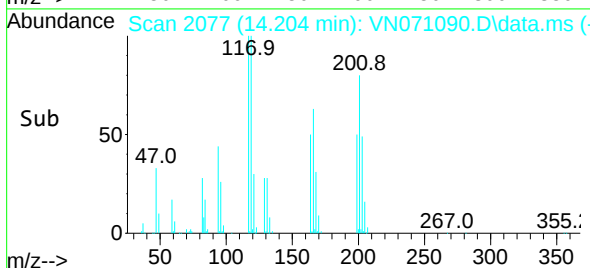
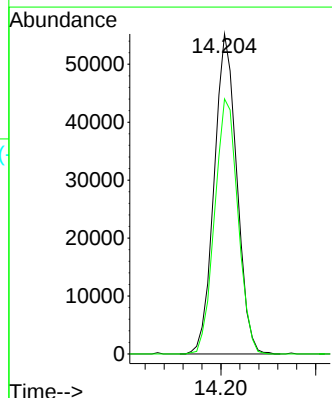
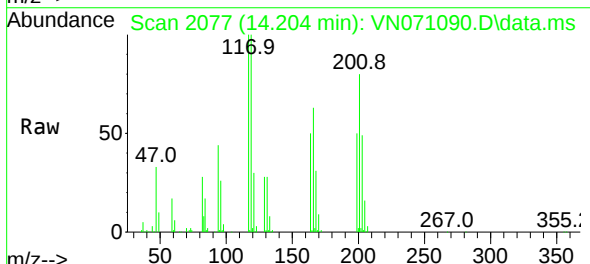
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

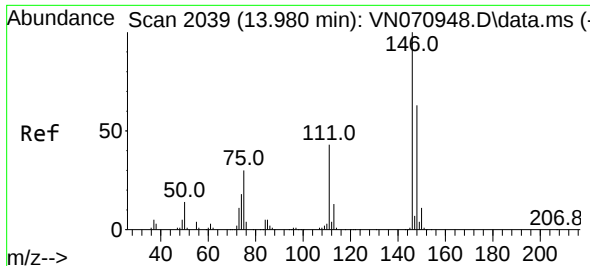
Tgt Ion: 91 Resp: 357906  
Ion Ratio Lower Upper  
91 100  
92 52.9 25.4 76.0  
134 25.7 13.6 40.8



#90  
Hexachloroethane  
Concen: 22.049 ug/l  
RT: 14.204 min Scan# 2077  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

Tgt Ion: 117 Resp: 91684  
Ion Ratio Lower Upper  
117 100  
201 81.9 43.9 131.6

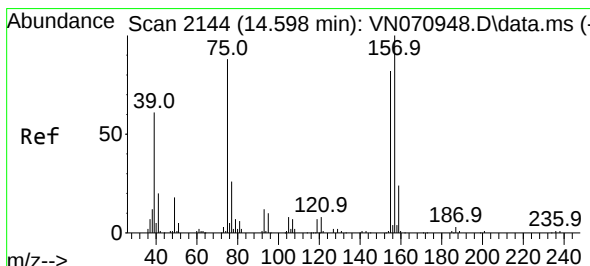
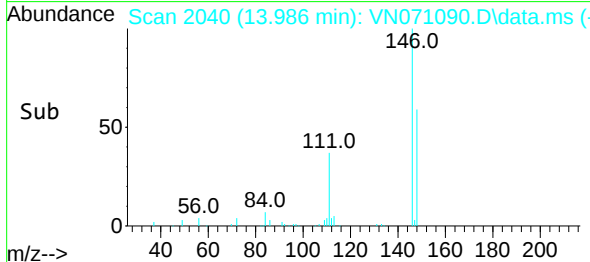
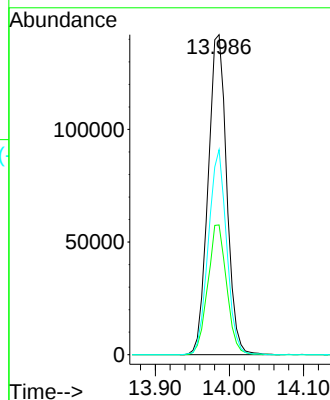
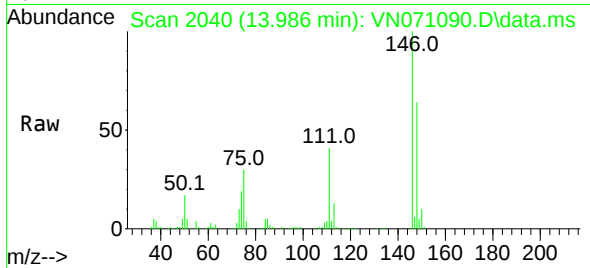




#91  
1,2-Dichlorobenzene  
Concen: 21.734 ug/l  
RT: 13.986 min Scan# 2039  
Delta R.T. 0.006 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

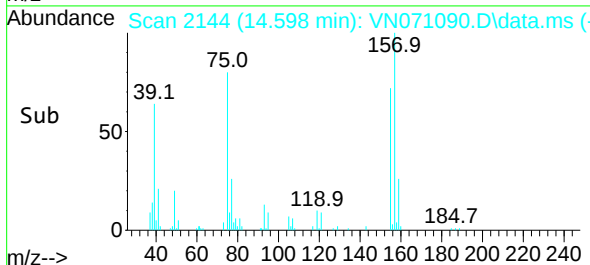
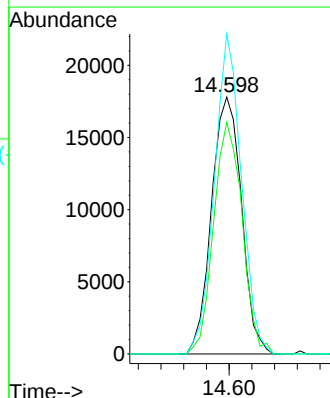
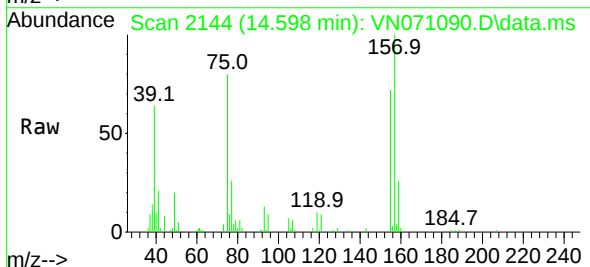
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228MBS01

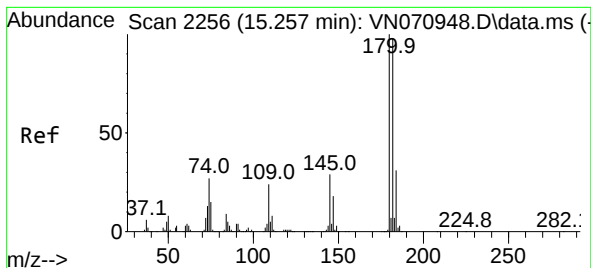
Tgt Ion:146 Resp: 247775  
Ion Ratio Lower Upper  
146 100  
111 41.2 19.1 57.3  
148 62.6 32.1 96.3



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 22.634 ug/l  
RT: 14.598 min Scan# 2144  
Delta R.T. 0.000 min  
Lab File: VN071090.D  
Acq: 28 Feb 2022 12:38

Tgt Ion: 75 Resp: 32647  
Ion Ratio Lower Upper  
75 100  
155 85.5 46.9 140.7  
157 112.3 60.6 181.7





#93

1,2,4-Trichlorobenzene

Concen: 16.560 ug/l

RT: 15.257 min Scan# 2256

Delta R.T. -0.000 min

Lab File: VN071090.D

Acq: 28 Feb 2022 12:38

Instrument :

MSVOA\_N

ClientSampleId :

VN0228MBS01

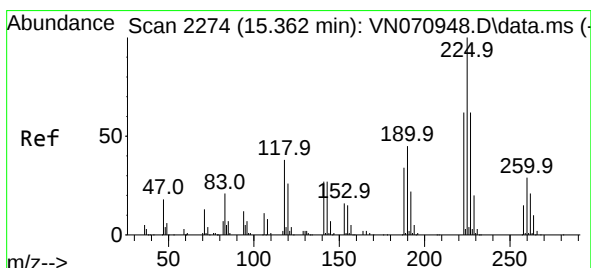
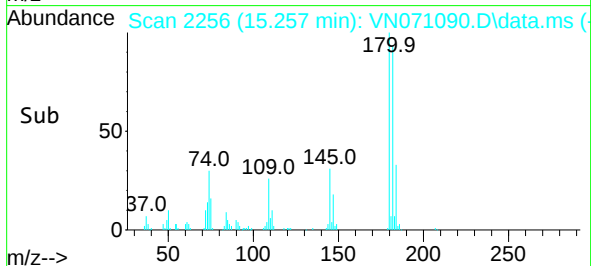
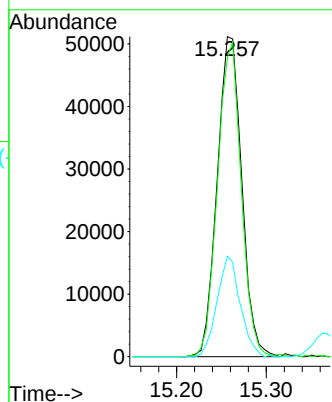
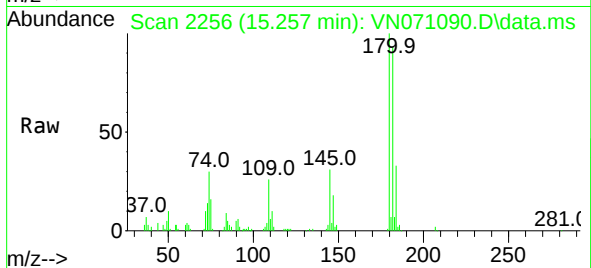
Tgt Ion:180 Resp: 97194

Ion Ratio Lower Upper

180 100

182 94.7 48.3 144.9

145 29.6 14.5 43.5



#94

Hexachlorobutadiene

Concen: 17.420 ug/l

RT: 15.362 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN071090.D

Acq: 28 Feb 2022 12:38

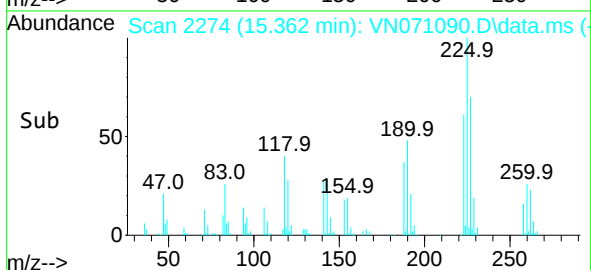
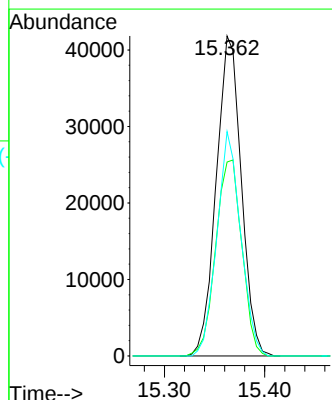
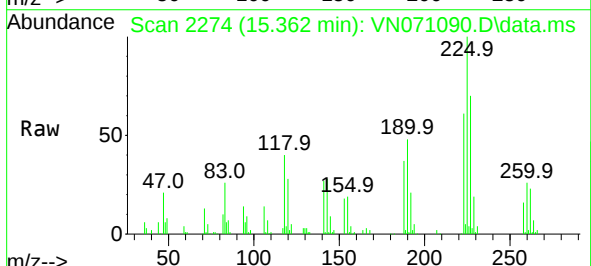
Tgt Ion:225 Resp: 72421

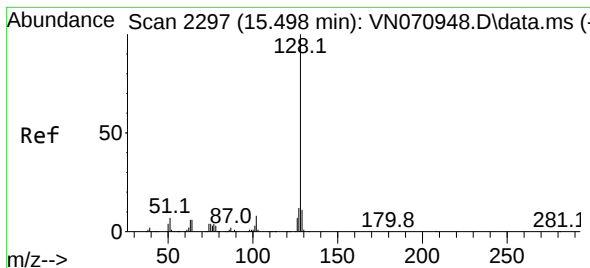
Ion Ratio Lower Upper

225 100

223 63.9 31.9 95.7

227 66.7 32.1 96.3





#95

Naphthalene

Concen: 15.505 ug/l

RT: 15.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN071090.D

Acq: 28 Feb 2022 12:38

Instrument :

MSVOA\_N

ClientSampleId :

VN0228MBS01

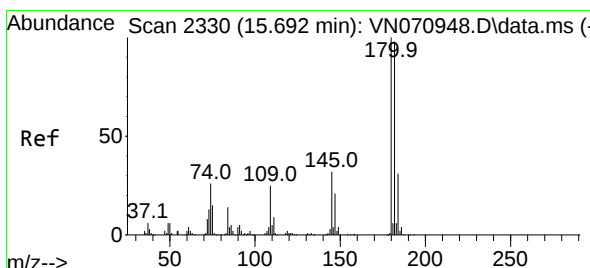
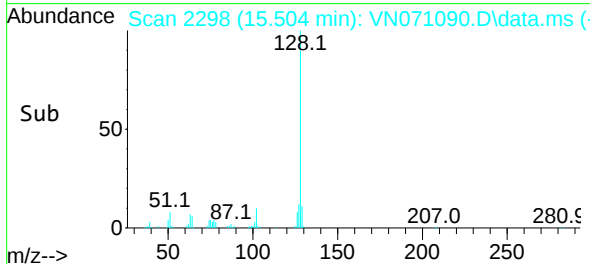
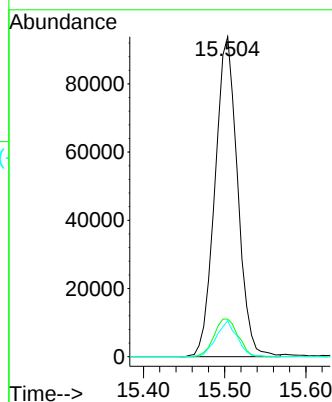
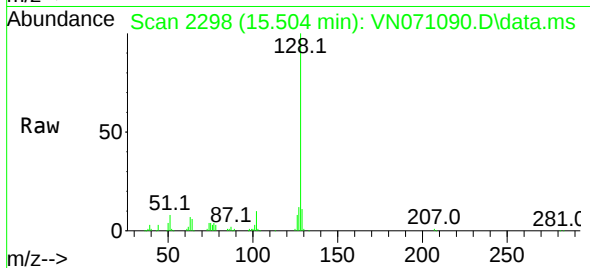
Tgt Ion:128 Resp: 181763

Ion Ratio Lower Upper

128 100

127 12.6 10.5 15.7

129 10.4 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 16.748 ug/l

RT: 15.698 min Scan# 2331

Delta R.T. 0.006 min

Lab File: VN071090.D

Acq: 28 Feb 2022 12:38

Tgt Ion:180 Resp: 88529

Ion Ratio Lower Upper

180 100

182 94.5 47.4 142.2

145 30.6 15.0 45.1

