

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020924\  
 Data File : VN080983.D  
 Acq On : 09 Feb 2024 11:35  
 Operator : JC\MD  
 Sample : VSTDIC005  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Feb 10 01:40:46 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N020924W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Sat Feb 10 01:30:36 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Bromochloromethane        | 7.812  | 128   | 82305    | 30.000   | ug/l       | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.106  | 114   | 480453   | 30.000   | ug/l       | 0.00     |
| 57) Chlorobenzene-d5         | 11.871 | 117   | 439173   | 30.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 27) 1,2-Dichloroethane-d4    | 8.577  | 65    | 196280   | 31.738   | ug/l       | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 110 | Recovery | = 105.800% |          |
| 60) 4-Bromofluorobenzene     | 12.847 | 95    | 192545   | 28.678   | ug/l       | 0.00     |
| Spiked Amount                | 30.000 | Range | 63 - 112 | Recovery | = 95.600%  |          |
| 63) Toluene-d8               | 10.571 | 98    | 599560   | 30.421   | ug/l       | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 112 | Recovery | = 101.400% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.124  | 85    | 25755    | 4.602    | ug/l       | 96       |
| 3) Chloromethane             | 2.360  | 50    | 30959    | 5.505    | ug/l       | 96       |
| 4) Vinyl Chloride            | 2.512  | 62    | 34520    | 5.148    | ug/l       | 95       |
| 5) Bromomethane              | 2.948  | 94    | 25688    | 5.704    | ug/l       | 91       |
| 6) Chloroethane              | 3.118  | 64    | 22789    | 5.214    | ug/l       | 92       |
| 7) Trichlorofluoromethane    | 3.495  | 101   | 45653    | 5.170    | ug/l       | 98       |
| 8) Diethyl Ether             | 3.965  | 74    | 16261    | 5.240    | ug/l       | 92       |
| 9) 1,1,2-Trichlorotrifluo... | 4.377  | 101   | 13623    | 2.844    | ug/l       | 84       |
| 10) 1,1-Dichloroethene       | 4.342  | 96    | 22333    | 4.755    | ug/l       | 91       |
| 11) Methyl Iodide            | 4.589  | 142   | 25334    | 5.036    | ug/l #     | 75       |
| 12) Methyl Acetate           | 5.012  | 43    | 7688     | 1.813    | ug/l #     | 79       |
| 13) Acrolein                 | 4.183  | 56    | 23337    | 25.143   | ug/l       | 94       |
| 14) Acrylonitrile            | 5.712  | 53    | 23832    | 11.265   | ug/l #     | 1        |
| 15) Acetone                  | 4.436  | 58    | 12814    | 26.355   | ug/l       | 76       |
| 16) Carbon Disulfide         | 4.706  | 76    | 66291    | 5.143    | ug/l       | 98       |
| 17) Allyl chloride           | 5.024  | 41    | 28751    | 4.874    | ug/l       | 79       |
| 18) Methylene Chloride       | 5.259  | 84    | 9975     | 1.857    | ug/l       | 88       |
| 19) trans-1,2-Dichloroethene | 5.783  | 96    | 26332    | 4.939    | ug/l       | 91       |
| 20) Diisopropyl ether        | 6.671  | 45    | 68412    | 4.825    | ug/l       | 96       |
| 21) 1,1-Dichloroethane       | 6.571  | 63    | 46269    | 5.092    | ug/l       | 96       |
| 22) cis-1,2-Dichloroethene   | 7.483  | 96    | 29662    | 4.788    | ug/l       | 99       |
| 23) tert-Butyl Alcohol       | 5.512  | 59    | 11499    | 14.935   | ug/l #     | 100      |
| 24) Methyl tert-Butyl Ether  | 5.800  | 73    | 75135    | 4.825    | ug/l       | 93       |
| 25) Chloroform               | 7.965  | 83    | 48534    | 4.815    | ug/l       | 94       |
| 26) Cyclohexane              | 8.259  | 56    | 34374    | 5.024    | ug/l #     | 85       |
| 29) 1,1-Dichloropropene      | 8.371  | 75    | 35108    | 4.906    | ug/l       | 91       |
| 30) 2-Butanone               | 7.489  | 43    | 68114    | 25.941   | ug/l #     | 98       |
| 31) 2,2-Dichloropropane      | 7.494  | 77    | 37918    | 4.653    | ug/l       | 99       |
| 32) 1,1,1-Trichloroethane    | 8.171  | 97    | 44952    | 4.993    | ug/l       | 99       |
| 33) Carbon Tetrachloride     | 8.365  | 117   | 35053    | 4.621    | ug/l       | 97       |
| 34) Benzene                  | 8.606  | 78    | 110778   | 5.065    | ug/l #     | 89       |
| 35) Methacrylonitrile        | 7.789  | 41    | 15546    | 5.037    | ug/l       | 87       |
| 36) 1,2-Dichloroethane       | 8.671  | 62    | 37003    | 5.042    | ug/l       | 97       |
| 37) Trichloroethene          | 9.353  | 130   | 28953    | 4.979    | ug/l       | 81       |
| 38) Methylcyclohexane        | 9.606  | 83    | 34381    | 4.814    | ug/l       | 94       |
| 39) 1,2-Dichloropropane      | 9.624  | 63    | 25462    | 4.908    | ug/l       | 92       |
| 40) Dibromomethane           | 9.712  | 93    | 19112    | 4.843    | ug/l       | 97       |
| 41) Bromodichloromethane     | 9.888  | 83    | 37536    | 4.860    | ug/l       | 92       |
| 42) Vinyl Acetate            | 6.606  | 43    | 271658   | 24.079   | ug/l       | 98       |

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 Acq On : 09 Feb 2024 11:35  
 Operator : JC\MD  
 Sample : VSTDIC005  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

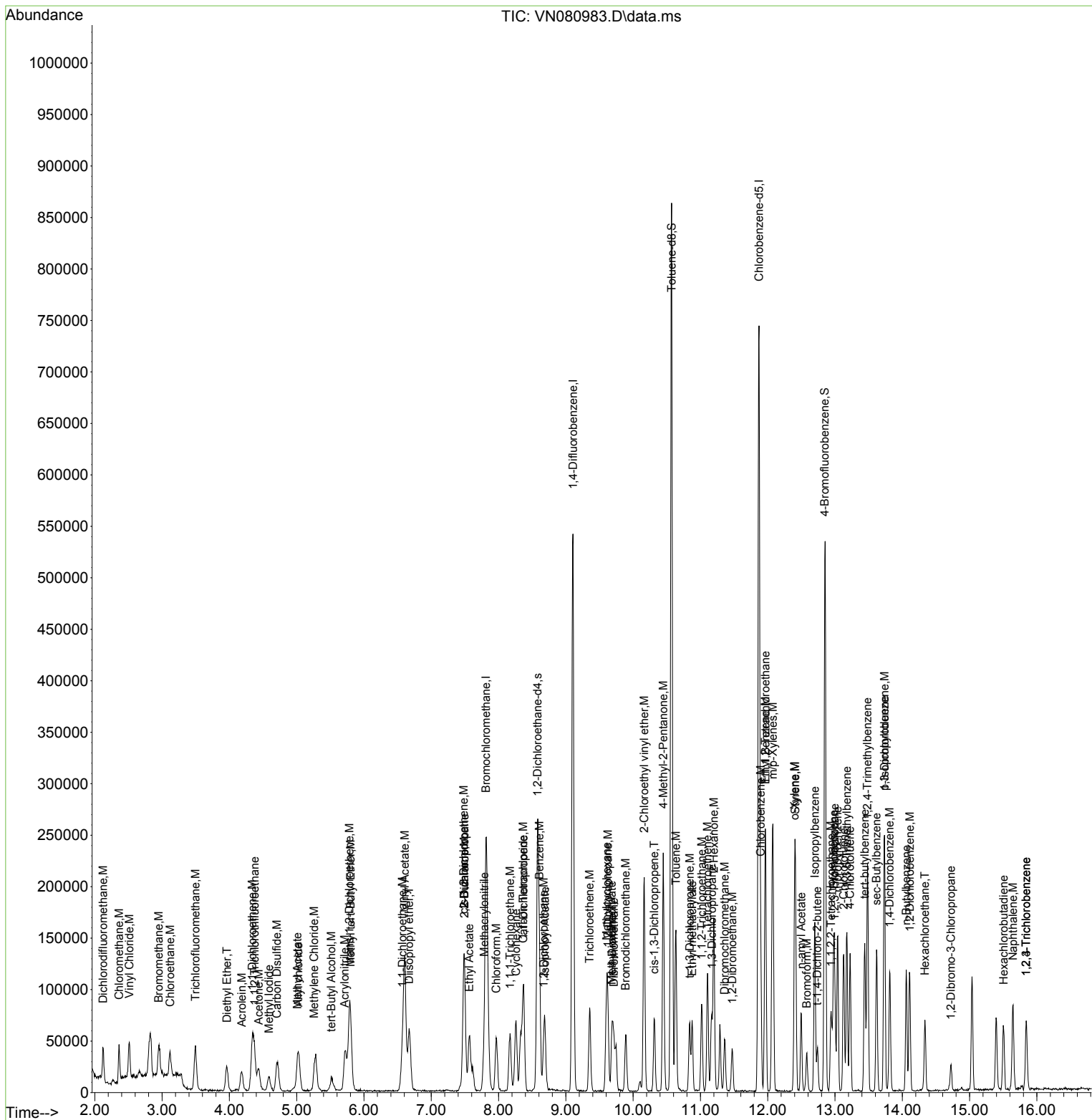
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 MSVOA\_N  
 ClientSampleId :

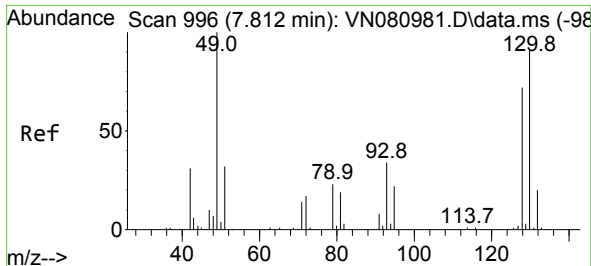
Quant Time: Feb 10 01:40:46 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N020924W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Sat Feb 10 01:30:36 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 43) Ethyl Acetate             | 7.565  | 43   | 25850    | 4.622  | ug/l # | 78       |
| 44) Isopropyl Acetate         | 8.689  | 43   | 50098    | 5.098  | ug/l   | 95       |
| 45) 1,4-Dioxane               | 9.688  | 88   | 4221     | 45.550 | ug/l # | 1        |
| 46) Methyl methacrylate       | 9.683  | 41   | 23272    | 5.176  | ug/l   | 86       |
| 47) n-amyl Acetate            | 12.500 | 43   | 39200    | 4.574  | ug/l   | 95       |
| 48) t-1,3-Dichloropropene     | 10.841 | 75   | 36242    | 4.477  | ug/l   | 96       |
| 49) cis-1,3-Dichloropropene   | 10.312 | 75   | 40146    | 4.577  | ug/l   | 94       |
| 50) 1,1,2-Trichloroethane     | 11.018 | 97   | 27256    | 4.991  | ug/l   | 93       |
| 51) Ethyl methacrylate        | 10.877 | 69   | 35832    | 4.695  | ug/l   | 95       |
| 52) 1,3-Dichloropropane       | 11.171 | 76   | 44667    | 4.953  | ug/l   | 99       |
| 53) Dibromochloromethane      | 11.359 | 129  | 27719    | 4.657  | ug/l   | 91       |
| 54) 1,2-Dibromoethane         | 11.471 | 107  | 27417    | 4.853  | ug/l   | 98       |
| 55) 2-Chloroethyl vinyl ether | 10.165 | 63   | 90393    | 23.111 | ug/l   | 97       |
| 56) Bromoform                 | 12.582 | 173  | 15892    | 4.192  | ug/l   | 95       |
| 58) 4-Methyl-2-Pentanone      | 10.447 | 43   | 143090   | 25.096 | ug/l   | 93       |
| 59) 2-Hexanone                | 11.200 | 43   | 98954    | 23.597 | ug/l   | 92       |
| 61) Tetrachloroethene         | 11.106 | 164  | 25640    | 5.111  | ug/l   | 84       |
| 62) Toluene                   | 10.635 | 91   | 121750   | 5.061  | ug/l   | 99       |
| 64) Chlorobenzene             | 11.894 | 112  | 72818    | 4.942  | ug/l   | 99       |
| 65) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 26127    | 4.780  | ug/l   | 96       |
| 66) Ethyl Benzene             | 11.965 | 91   | 116369   | 4.601  | ug/l   | 99       |
| 67) m/p-Xylenes               | 12.077 | 106  | 91998    | 9.261  | ug/l   | 94       |
| 68) o-Xylene                  | 12.400 | 106  | 45368    | 4.660  | ug/l   | 94       |
| 69) Styrene                   | 12.412 | 104  | 70505    | 4.399  | ug/l   | 96       |
| 70) Isopropylbenzene          | 12.700 | 105  | 108400   | 4.569  | ug/l   | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 37740    | 5.159  | ug/l   | 99       |
| 72) 1,2,3-Trichloropropane    | 12.994 | 75   | 43143    | 7.719  | ug/l   | 67       |
| 73) Bromobenzene              | 12.982 | 156  | 25484    | 4.320  | ug/l   | 91       |
| 74) n-propylbenzene           | 13.035 | 91   | 122203   | 4.532  | ug/l   | 97       |
| 75) 2-Chlorotoluene           | 13.129 | 91   | 78306    | 4.678  | ug/l   | 93       |
| 76) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 87562    | 4.511  | ug/l   | 99       |
| 77) t-1,4-Dichloro-2-butene   | 12.735 | 75   | 8088     | 3.765  | ug/l   | 94       |
| 78) 4-Chlorotoluene           | 13.224 | 91   | 76033    | 4.535  | ug/l   | 98       |
| 79) tert-butylbenzene         | 13.441 | 119  | 69931    | 4.340  | ug/l   | 96       |
| 80) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 85052    | 4.398  | ug/l   | 99       |
| 81) sec-Butylbenzene          | 13.618 | 105  | 99418    | 4.406  | ug/l   | 100      |
| 82) p-Isopropyltoluene        | 13.735 | 119  | 82117    | 4.335  | ug/l   | 98       |
| 83) 1,3-Dichlorobenzene       | 13.735 | 146  | 47801    | 4.505  | ug/l   | 96       |
| 84) 1,4-Dichlorobenzene       | 13.812 | 146  | 48517    | 4.555  | ug/l   | 97       |
| 85) n-Butylbenzene            | 14.059 | 91   | 63160    | 4.041  | ug/l   | 98       |
| 86) Hexachloroethane          | 14.335 | 117  | 12436    | 4.162  | ug/l # | 39       |
| 87) 1,2-Dichlorobenzene       | 14.112 | 146  | 49759    | 4.817  | ug/l   | 95       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 6257     | 4.739  | ug/l # | 84       |
| 89) 1,2,4-Trichlorobenzene    | 15.841 | 180  | 20944    | 4.144  | ug/l   | 96       |
| 90) Hexachlorobutadiene       | 15.506 | 225  | 10463    | 4.719  | ug/l   | 93       |
| 91) Naphthalene               | 15.647 | 128  | 74564    | 4.155  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 20944    | 4.144  | ug/l   | 96       |

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

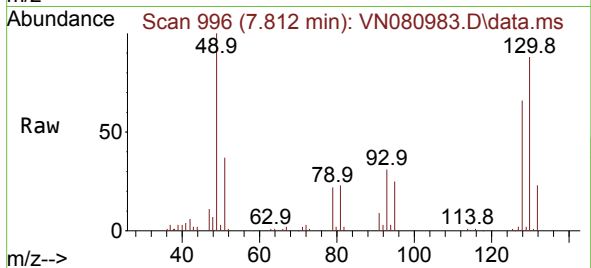
Quant Time: Feb 10 01:40:46 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N020924W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Sat Feb 10 01:30:36 2024  
Response via : Initial Calibration



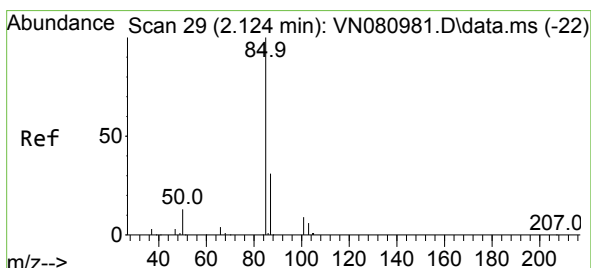
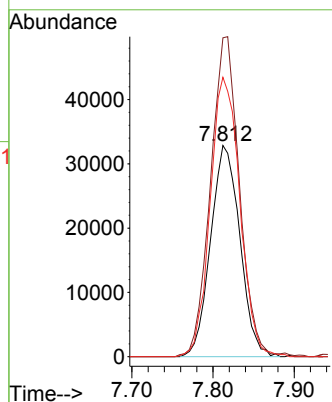
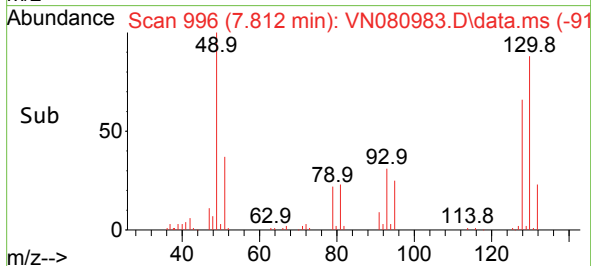


#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.812 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Instrument :  
MSVOA\_N  
ClientSampleId :

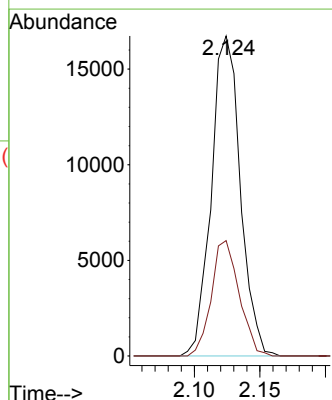
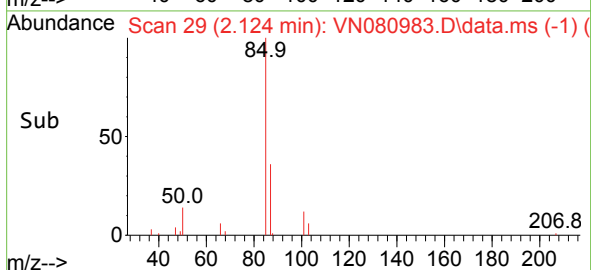
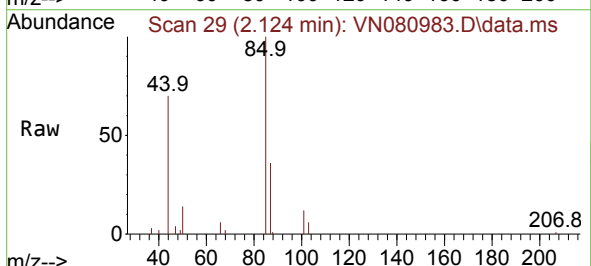


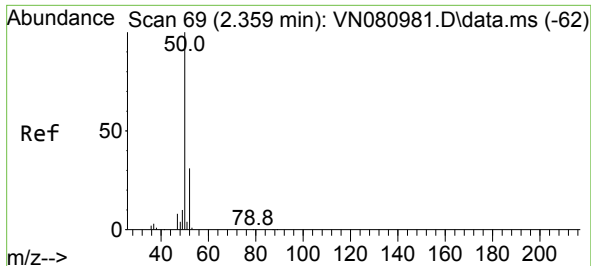
Tgt Ion:128 Resp: 82305  
Ion Ratio Lower Upper  
128 100  
49 149.0 0.0 403.7  
130 134.4 0.0 323.3



#2  
Dichlorodifluoromethane  
Concen: 4.602 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Tgt Ion: 85 Resp: 25755  
Ion Ratio Lower Upper  
85 100  
87 36.1 16.8 50.3

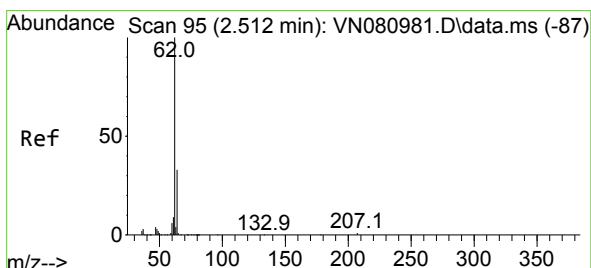
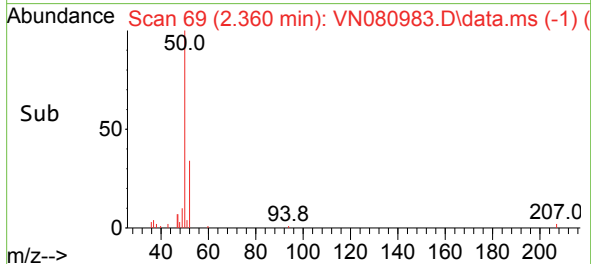
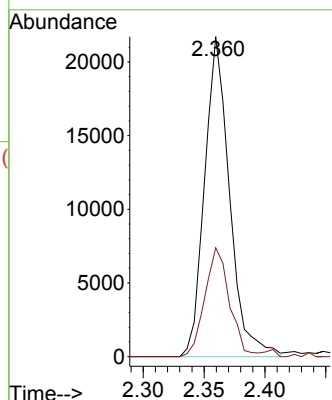
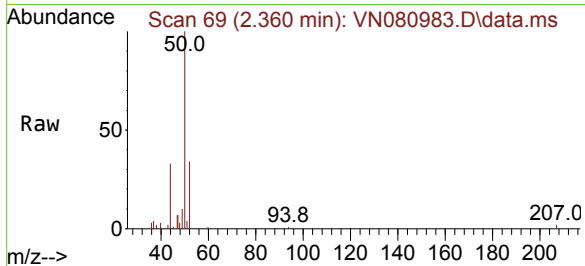




#3  
Chloromethane  
Concen: 5.505 ug/l  
RT: 2.360 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

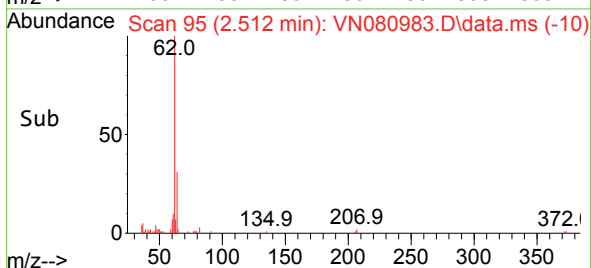
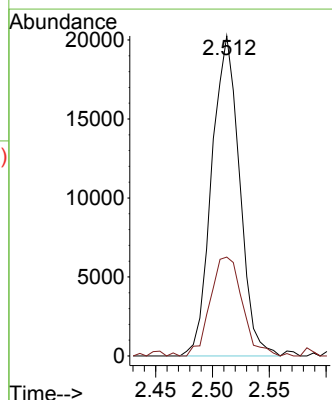
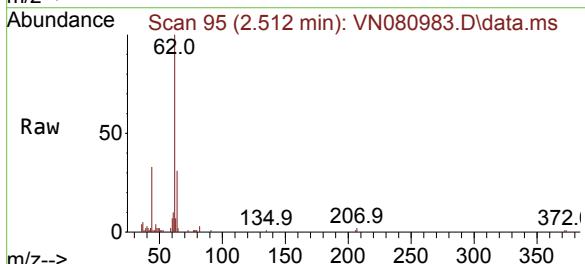
Instrument :  
MSVOA\_N  
ClientSampleId :

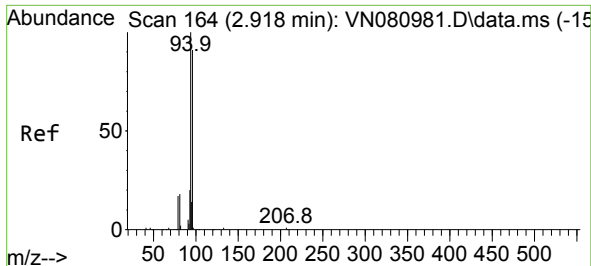
Tgt Ion: 50 Resp: 30959  
Ion Ratio Lower Upper  
50 100  
52 34.1 25.4 38.0



#4  
Vinyl Chloride  
Concen: 5.148 ug/l  
RT: 2.512 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

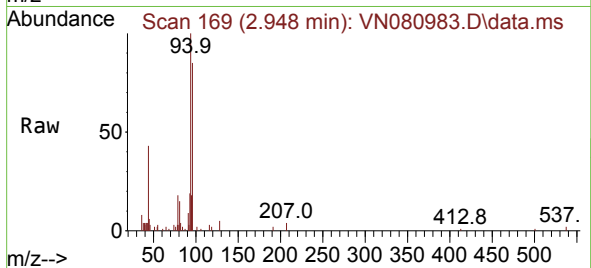
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Ion Ratio Lower Upper  
62 100  
64 32.7 24.1 36.1



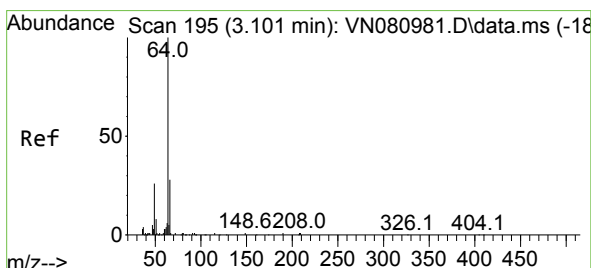
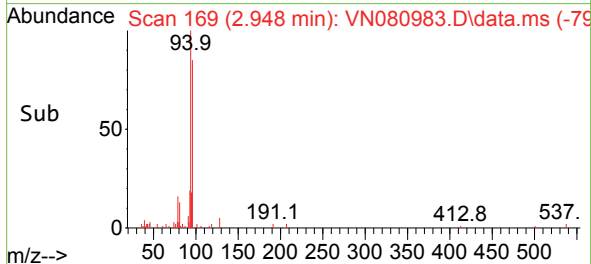
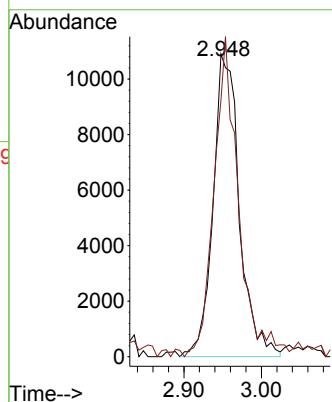


#5  
Bromomethane  
Concen: 5.704 ug/l  
RT: 2.948 min Scan# 11  
Delta R.T. 0.030 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Instrument :  
MSVOA\_N  
ClientSampleId :

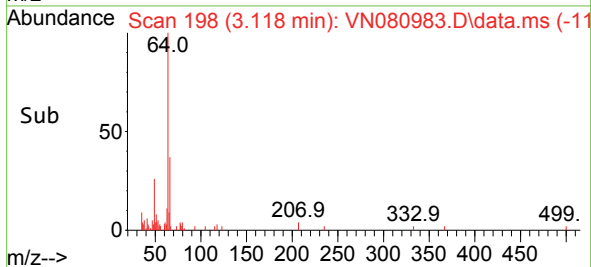
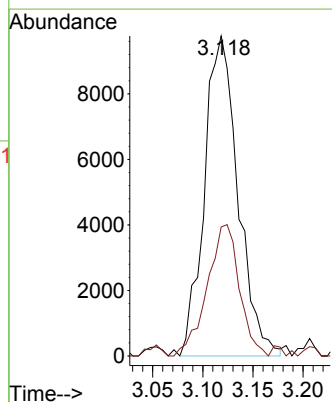
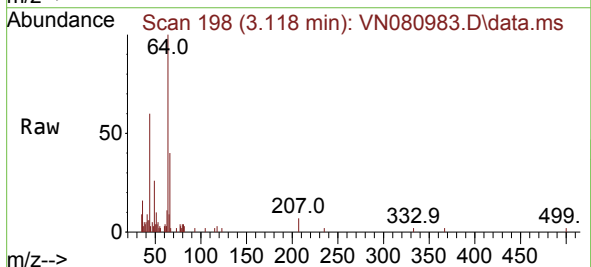


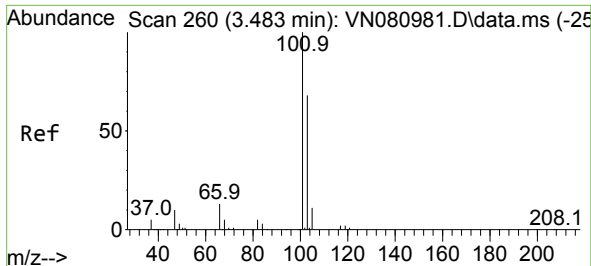
Tgt Ion: 94 Resp: 25688  
Ion Ratio Lower Upper  
94 100  
96 82.9 72.8 109.2



#6  
Chloroethane  
Concen: 5.214 ug/l  
RT: 3.118 min Scan# 198  
Delta R.T. 0.018 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Tgt Ion: 64 Resp: 22789  
Ion Ratio Lower Upper  
64 100  
66 38.0 26.7 40.1

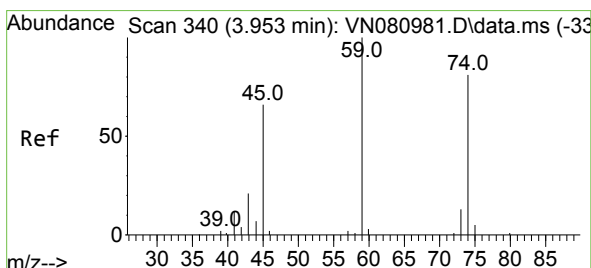
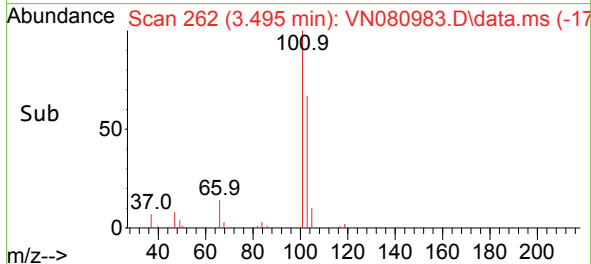
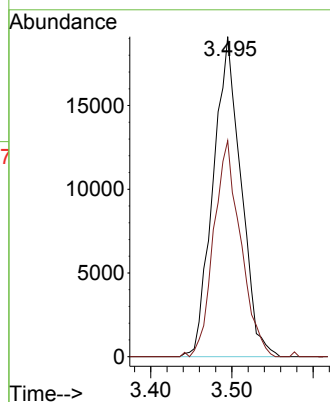
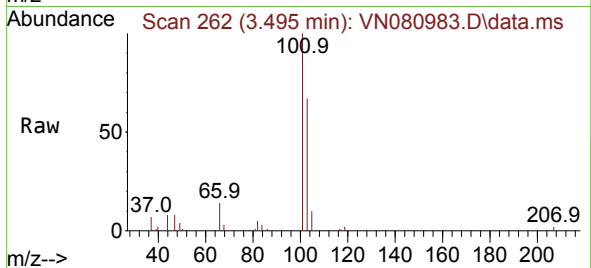




#7  
Trichlorofluoromethane  
Concen: 5.170 ug/l  
RT: 3.495 min Scan# 20  
Delta R.T. 0.012 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

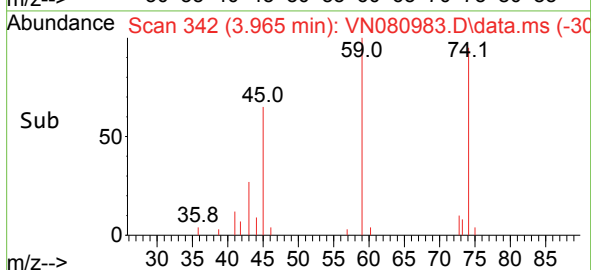
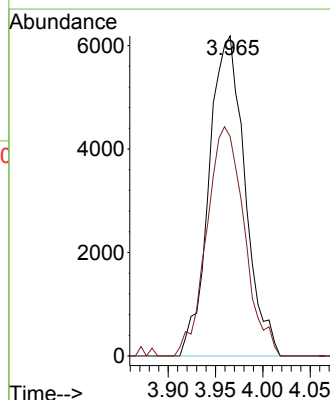
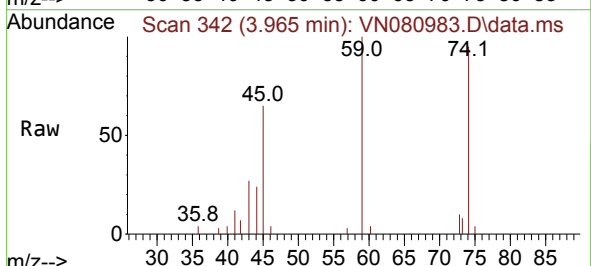
Instrument :  
MSVOA\_N  
ClientSampleId :

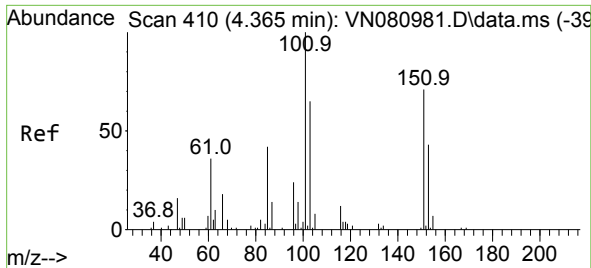
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Ion Ratio Lower Upper  
101 100  
103 67.5 53.0 79.4



#8  
Diethyl Ether  
Concen: 5.240 ug/l  
RT: 3.965 min Scan# 342  
Delta R.T. 0.012 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Tgt Ion: 74 Resp: 16261  
Ion Ratio Lower Upper  
74 100  
45 75.1 16.4 147.4

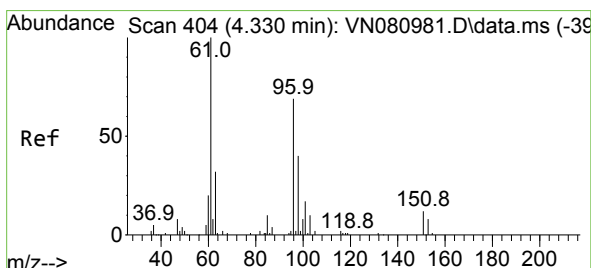
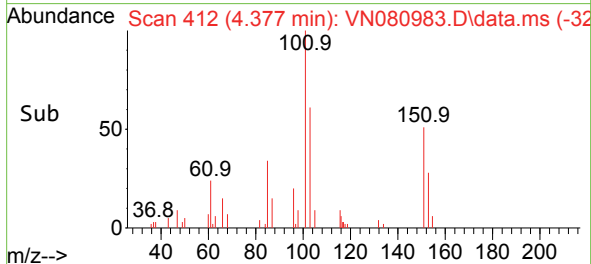
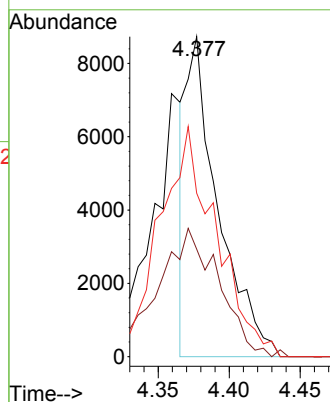
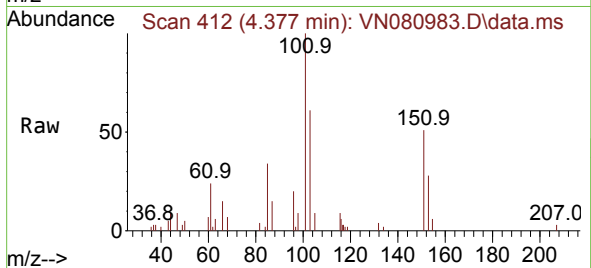




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 2.844 ug/l  
RT: 4.377 min Scan# 410  
Delta R.T. 0.012 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

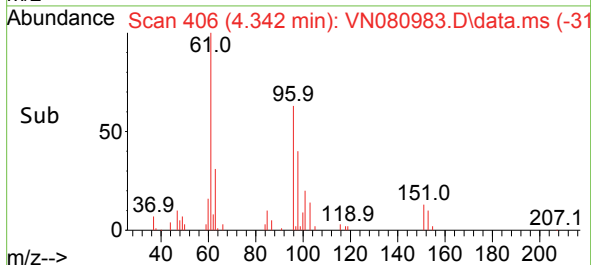
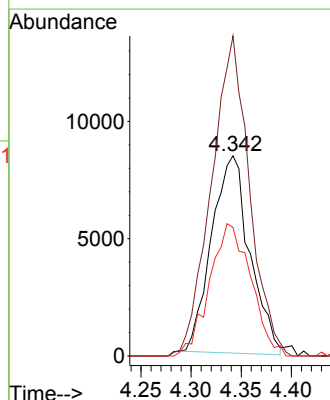
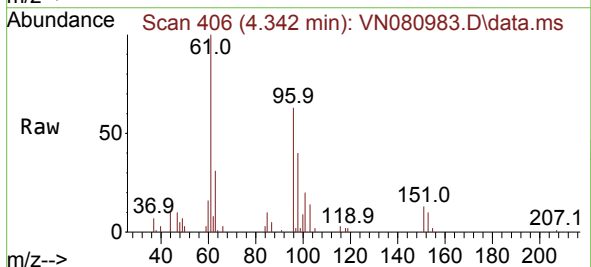
Instrument :  
MSVOA\_N  
ClientSampleId :

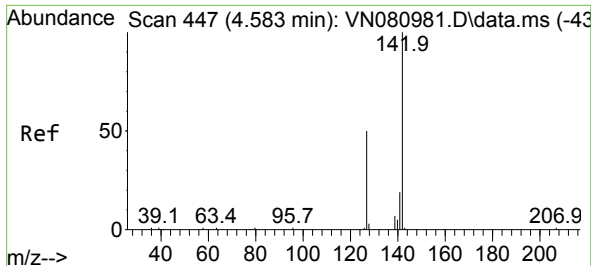
Tgt Ion:101 Resp: 13623  
Ion Ratio Lower Upper  
101 100  
85 56.5 0.0 90.6  
151 91.9 0.0 157.6



#10  
1,1-Dichloroethene  
Concen: 4.755 ug/l  
RT: 4.342 min Scan# 406  
Delta R.T. 0.012 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

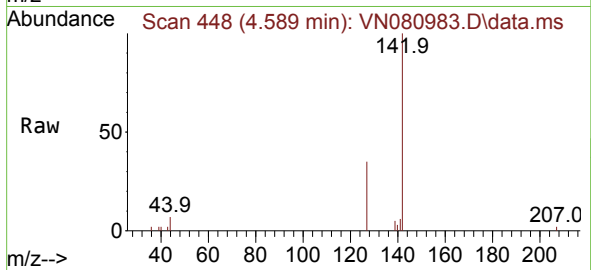
Tgt Ion: 96 Resp: 22333  
Ion Ratio Lower Upper  
96 100  
61 161.0 117.6 176.4  
98 63.9 48.4 72.6



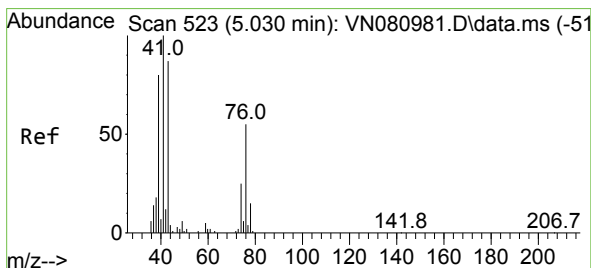
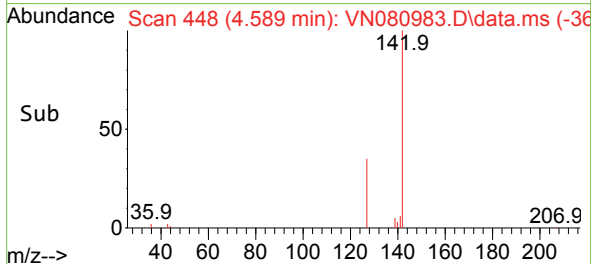
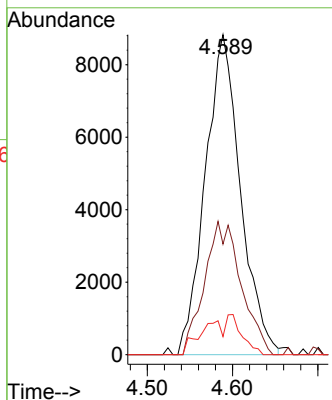


#11  
Methyl Iodide  
Concen: 5.036 ug/l  
RT: 4.589 min Scan# 447  
Delta R.T. 0.006 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Instrument :  
MSVOA\_N  
ClientSampleId :

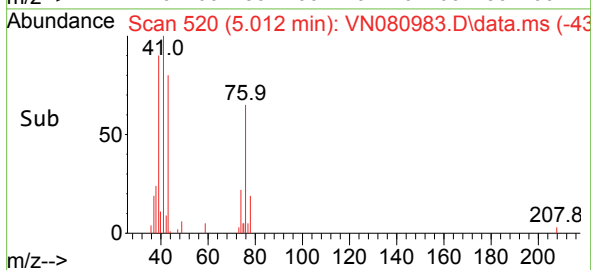
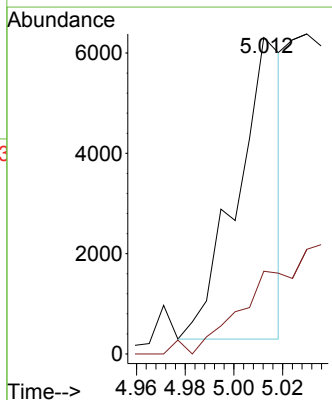
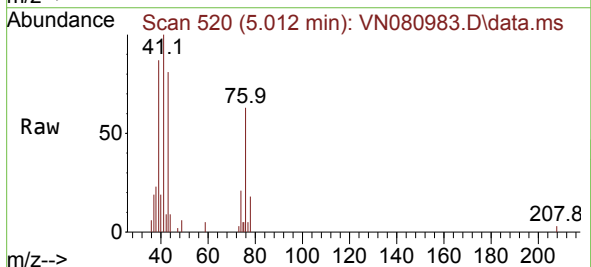


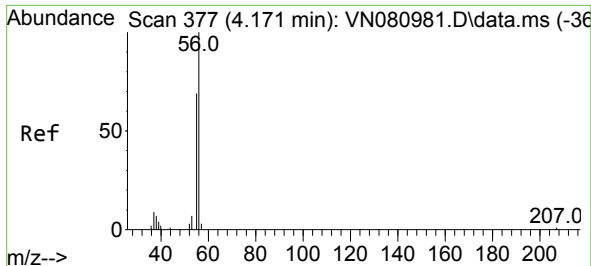
Tgt Ion:142 Resp: 25334  
Ion Ratio Lower Upper  
142 100  
127 34.9 26.3 78.9  
141 5.7 8.3 24.9#



#12  
Methyl Acetate  
Concen: 1.813 ug/l  
RT: 5.012 min Scan# 520  
Delta R.T. -0.018 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Tgt Ion: 43 Resp: 7688  
Ion Ratio Lower Upper  
43 100  
74 22.4 27.7 41.5#





#13

Acrolein

Concen: 25.143 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.012 min

Lab File: VN080983.D

Acq: 09 Feb 2024 11:35

Instrument :

MSVOA\_N

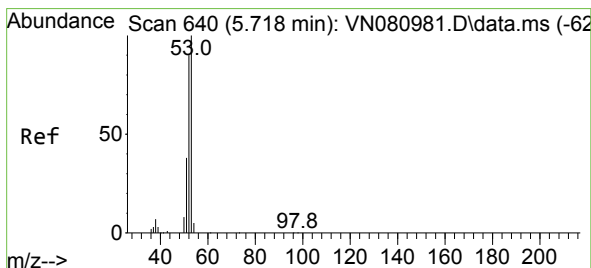
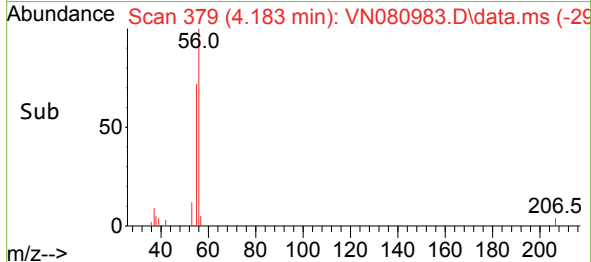
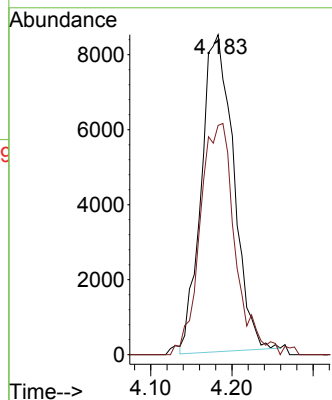
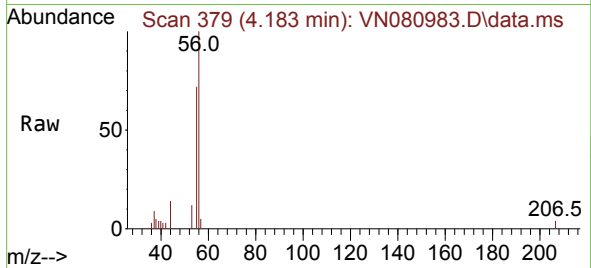
ClientSampleId :

Tgt Ion: 56 Resp: 23337

Ion Ratio Lower Upper

56 100

55 74.1 55.5 83.3



#14

Acrylonitrile

Concen: 11.265 ug/l

RT: 5.712 min Scan# 639

Delta R.T. -0.006 min

Lab File: VN080983.D

Acq: 09 Feb 2024 11:35

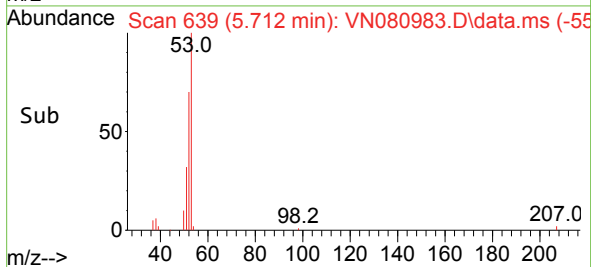
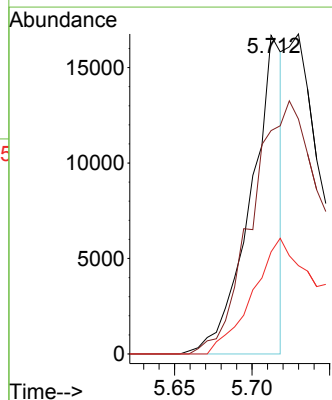
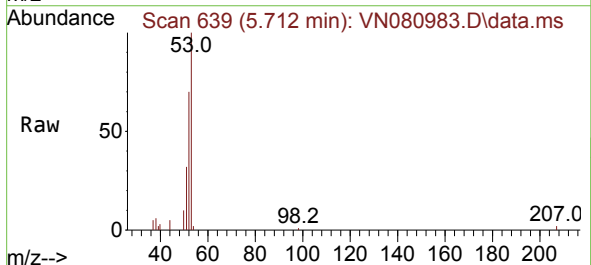
Tgt Ion: 53 Resp: 23832

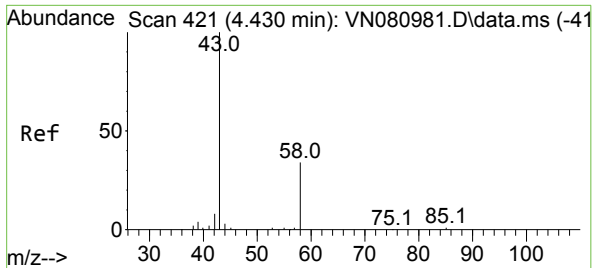
Ion Ratio Lower Upper

53 100

52 185.9 41.3 123.9#

51 76.5 16.8 50.3#

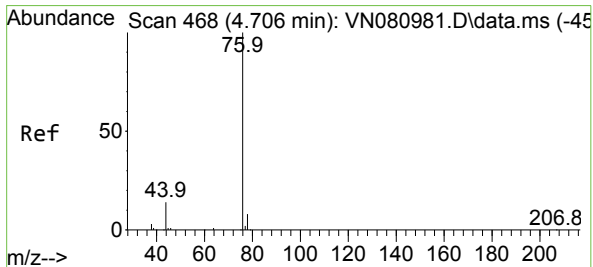
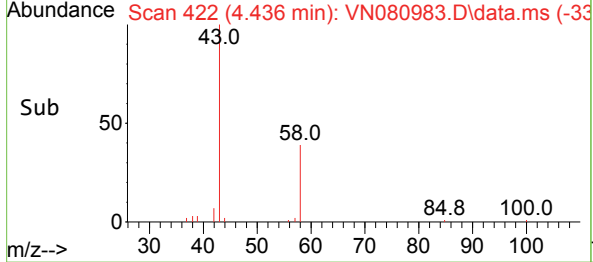
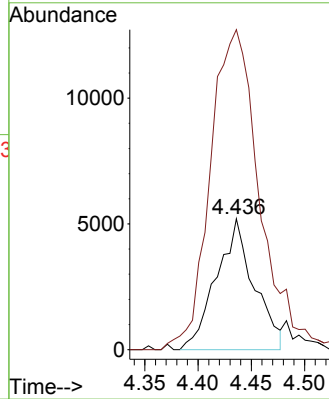
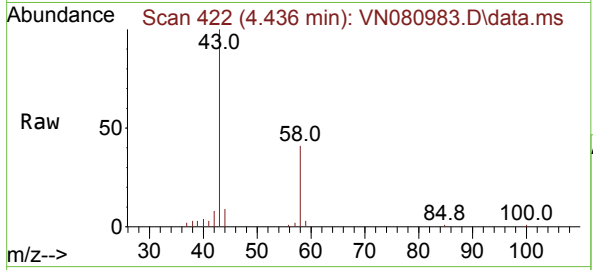




#15  
Acetone  
Concen: 26.355 ug/l  
RT: 4.436 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

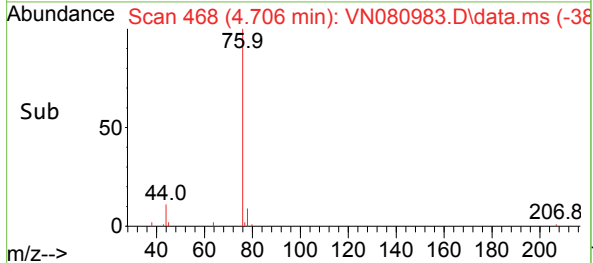
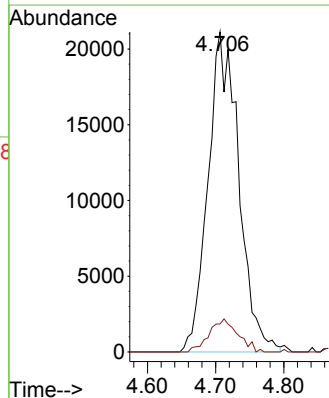
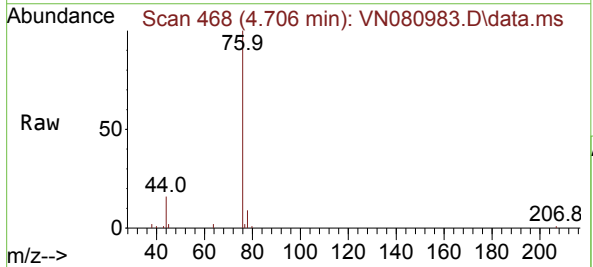
Instrument :  
MSVOA\_N  
ClientSampleId :

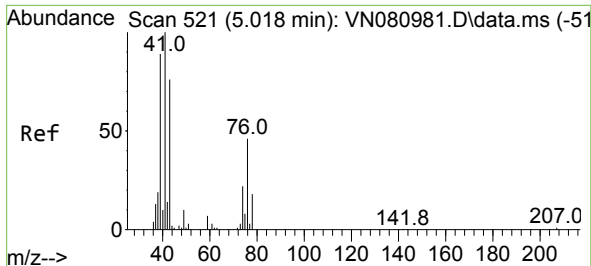
Tgt Ion: 58 Resp: 12814  
Ion Ratio Lower Upper  
58 100  
43 234.1 223.1 334.7



#16  
Carbon Disulfide  
Concen: 5.143 ug/l  
RT: 4.706 min Scan# 468  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

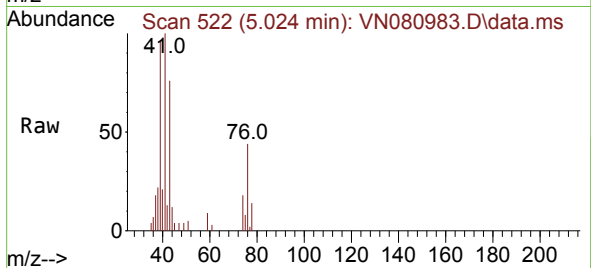
Tgt Ion: 76 Resp: 66291  
Ion Ratio Lower Upper  
76 100  
78 8.7 6.3 9.5



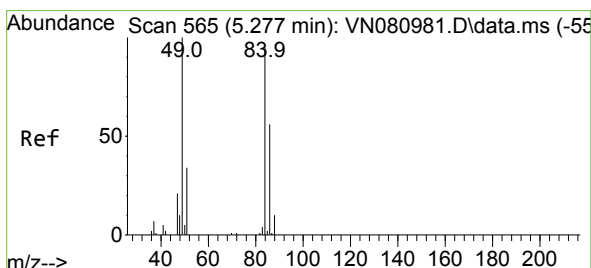
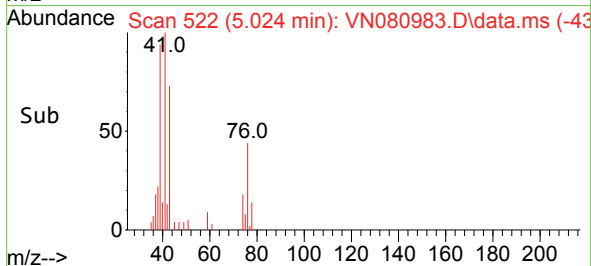
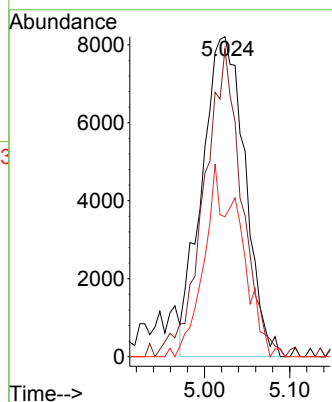


#17  
 Allyl chloride  
 Concen: 4.874 ug/l  
 RT: 5.024 min Scan# 51  
 Delta R.T. 0.006 min  
 Lab File: VN080983.D  
 Acq: 09 Feb 2024 11:35

Instrument :  
 MSVOA\_N  
 ClientSampleId :

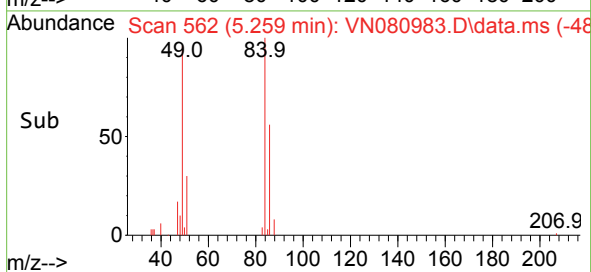
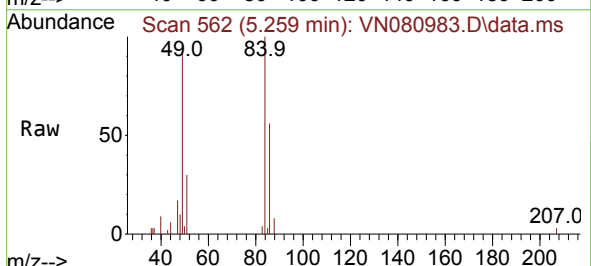
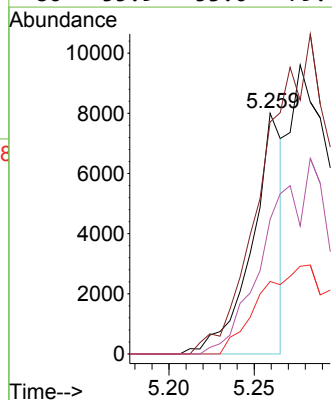


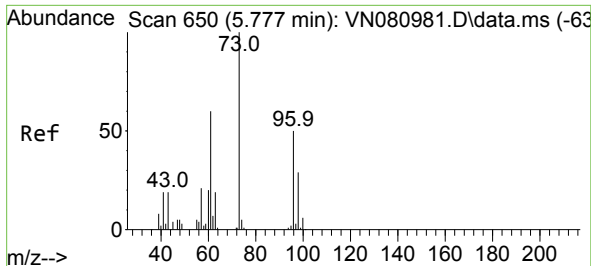
Tgt Ion: 41 Resp: 28751  
 Ion Ratio Lower Upper  
 41 100  
 39 93.8 37.6 112.9  
 76 41.6 27.8 83.4



#18  
 Methylene Chloride  
 Concen: 1.857 ug/l  
 RT: 5.259 min Scan# 562  
 Delta R.T. -0.018 min  
 Lab File: VN080983.D  
 Acq: 09 Feb 2024 11:35

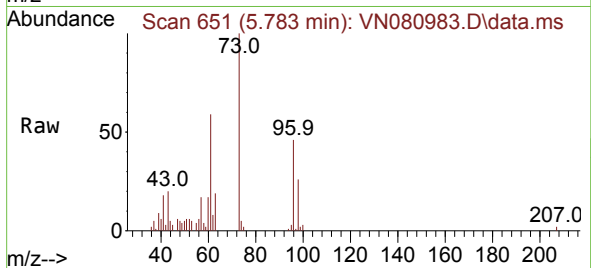
Tgt Ion: 84 Resp: 9975  
 Ion Ratio Lower Upper  
 84 100  
 49 96.4 86.0 129.0  
 51 30.1 30.0 45.0  
 86 55.9 53.0 79.4



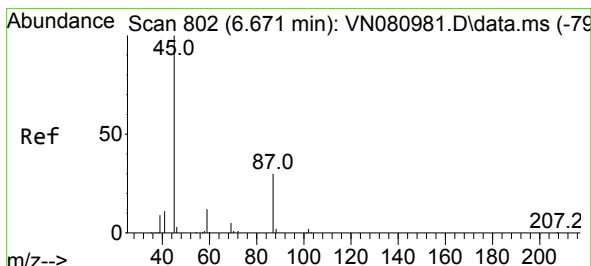
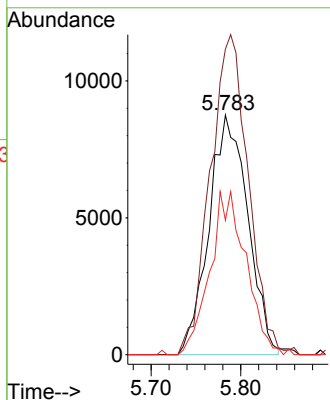
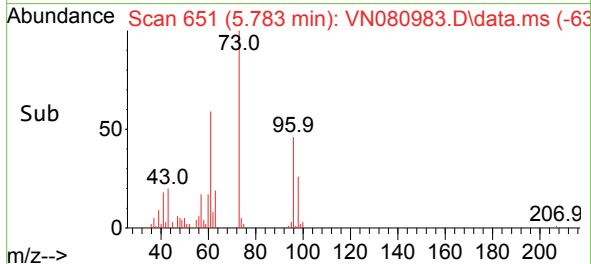


#19  
trans-1,2-Dichloroethene  
Concen: 4.939 ug/l  
RT: 5.783 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Instrument :  
MSVOA\_N  
ClientSampleId :

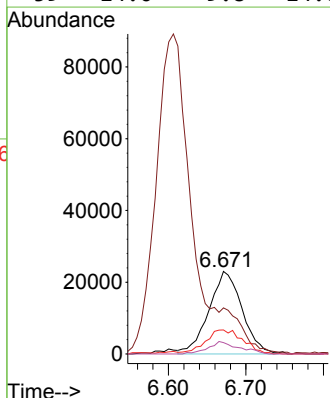
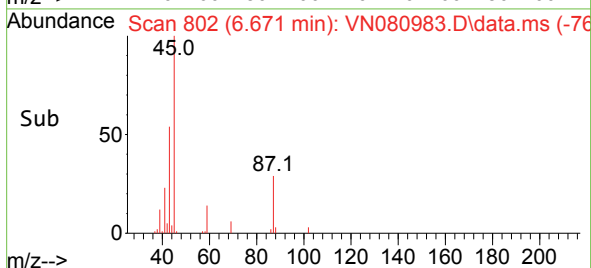
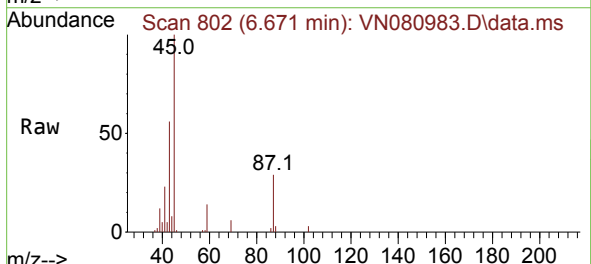


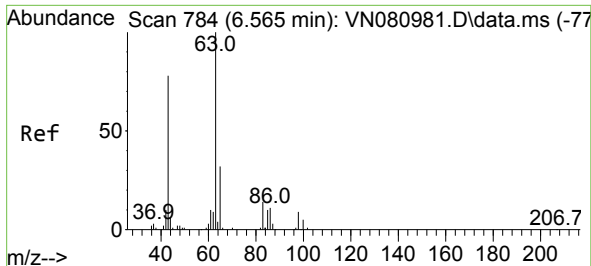
Tgt Ion: 96 Resp: 26332  
Ion Ratio Lower Upper  
96 100  
61 127.5 111.8 167.6  
98 56.1 49.2 73.8



#20  
Diisopropyl ether  
Concen: 4.825 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Tgt Ion: 45 Resp: 68412  
Ion Ratio Lower Upper  
45 100  
43 54.2 40.4 60.6  
87 28.6 23.8 35.8  
59 14.0 9.8 14.6

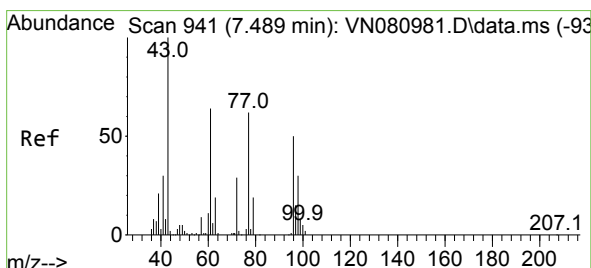
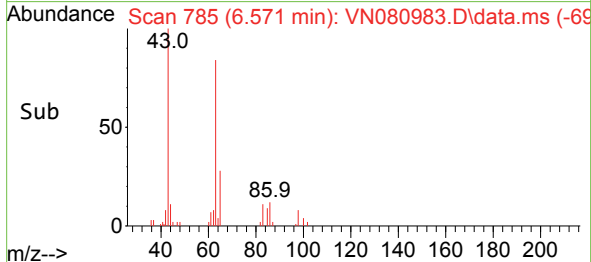
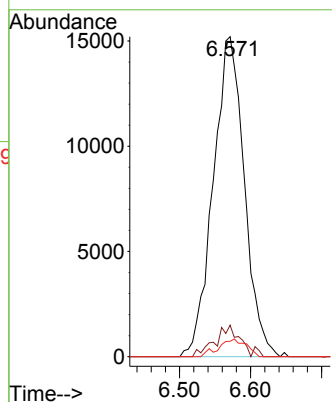
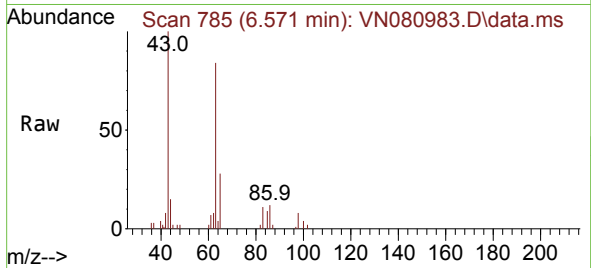




#21  
1,1-Dichloroethane  
Concen: 5.092 ug/l  
RT: 6.571 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

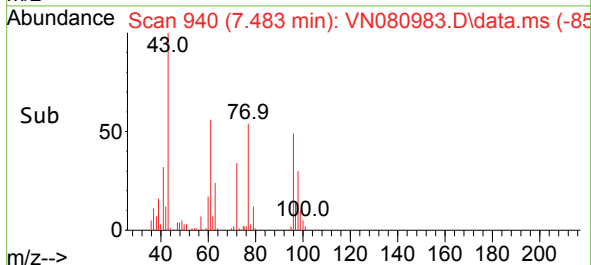
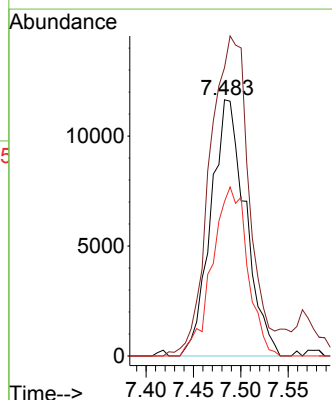
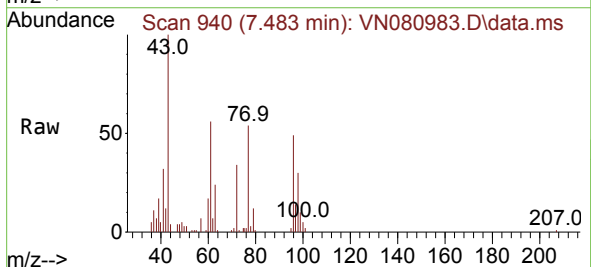
Instrument :  
MSVOA\_N  
ClientSampleId :

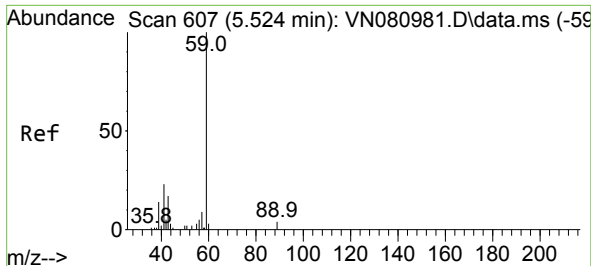
Tgt Ion: 63 Resp: 46269  
Ion Ratio Lower Upper  
63 100  
98 9.9 4.1 12.3  
100 4.8 3.0 9.0



#22  
cis-1,2-Dichloroethene  
Concen: 4.788 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. -0.006 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

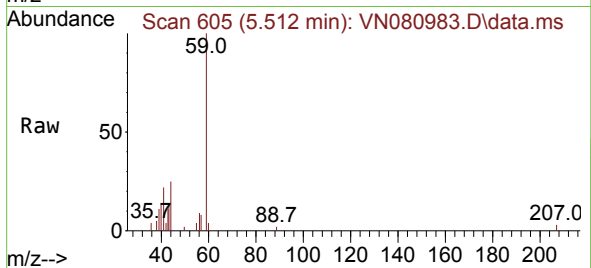
Tgt Ion: 96 Resp: 29662  
Ion Ratio Lower Upper  
96 100  
61 140.9 113.5 170.3  
98 62.9 52.0 78.0



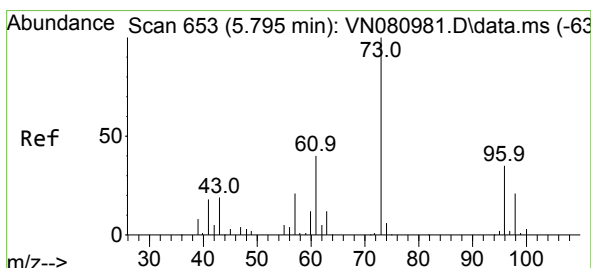
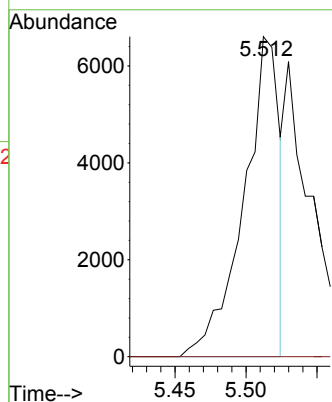
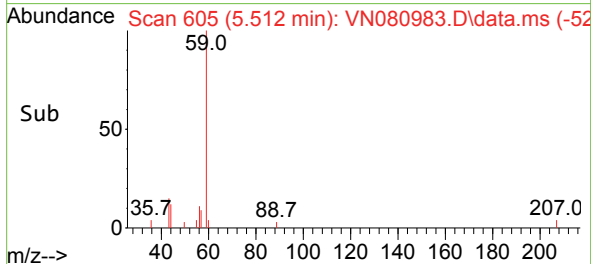


#23  
tert-Butyl Alcohol  
Concen: 14.935 ug/l  
RT: 5.512 min Scan# 605  
Delta R.T. -0.012 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Instrument :  
MSVOA\_N  
ClientSampleId :

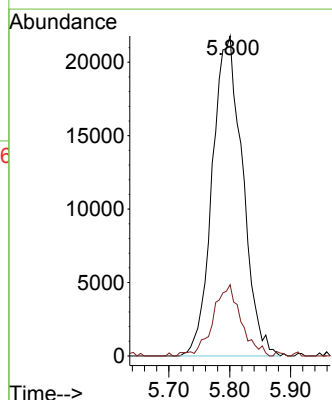
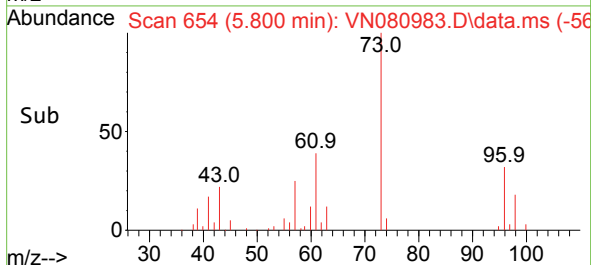
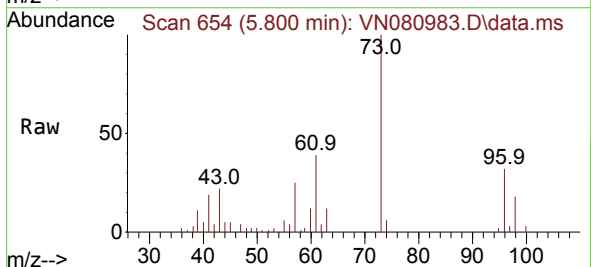


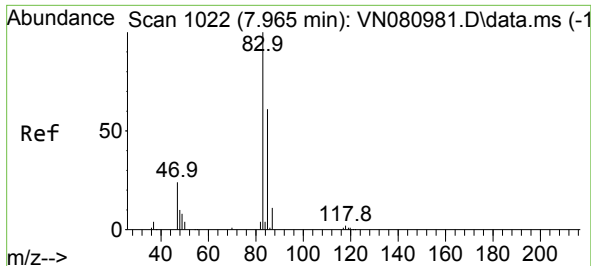
Tgt Ion: 59 Resp: 11499  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0



#24  
Methyl tert-Butyl Ether  
Concen: 4.825 ug/l  
RT: 5.800 min Scan# 654  
Delta R.T. 0.006 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Tgt Ion: 73 Resp: 75135  
Ion Ratio Lower Upper  
73 100  
43 19.7 13.4 20.2

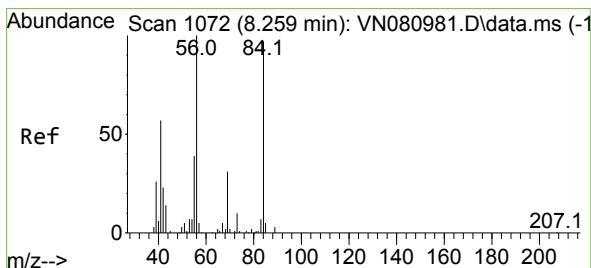
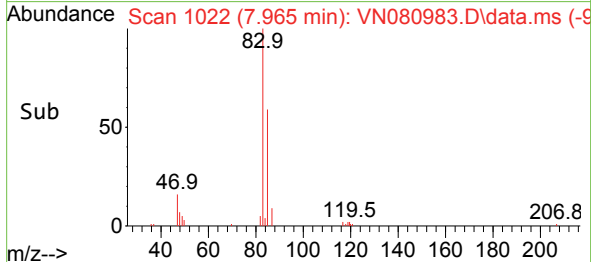
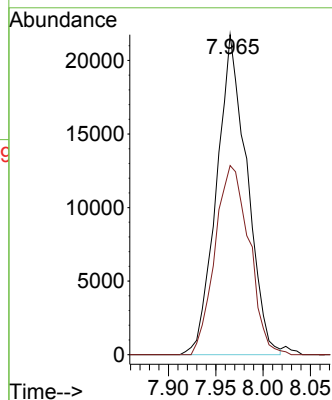
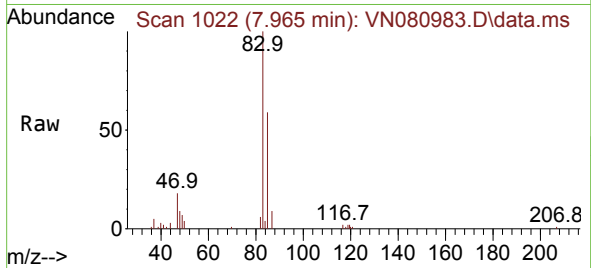




#25  
Chloroform  
Concen: 4.815 ug/l  
RT: 7.965 min Scan# 1022  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

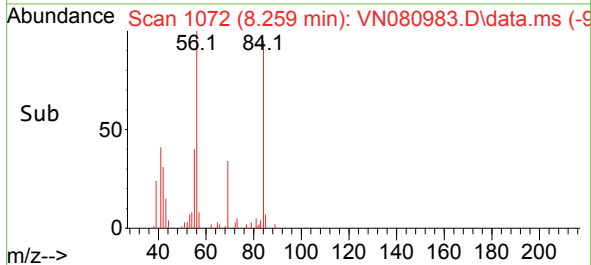
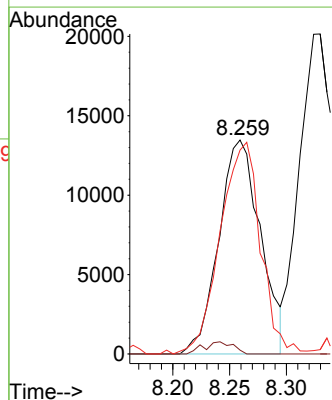
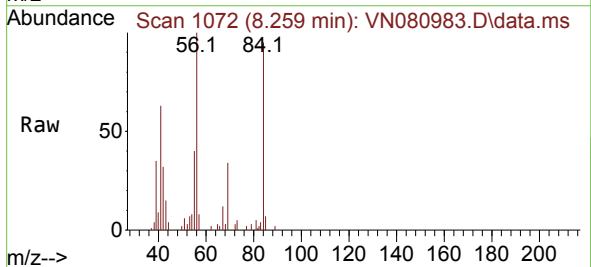
Instrument :  
MSVOA\_N  
ClientSampleId :

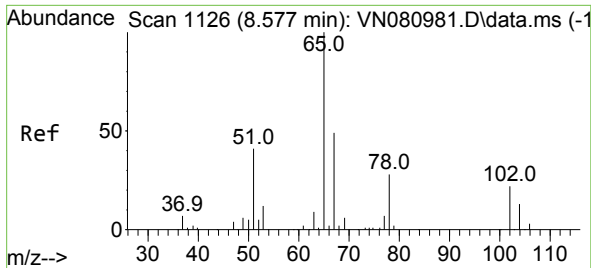
Tgt Ion: 83 Resp: 48534  
Ion Ratio Lower Upper  
83 100  
85 59.1 50.9 76.3



#26  
Cyclohexane  
Concen: 5.024 ug/l  
RT: 8.259 min Scan# 1072  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Tgt Ion: 56 Resp: 34374  
Ion Ratio Lower Upper  
56 100  
89 2.9 19.3 28.9#  
84 95.7 71.3 106.9

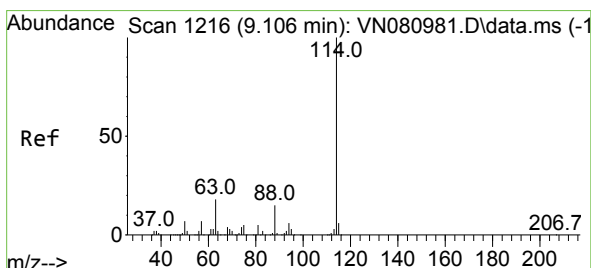
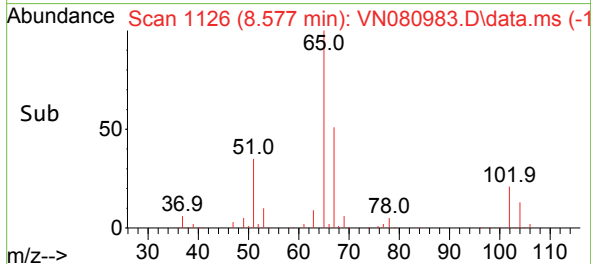
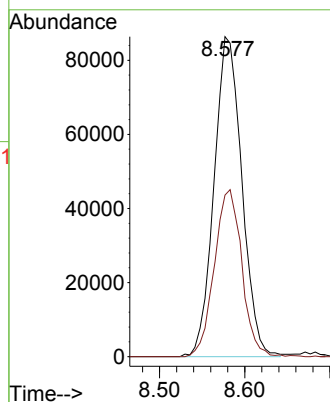
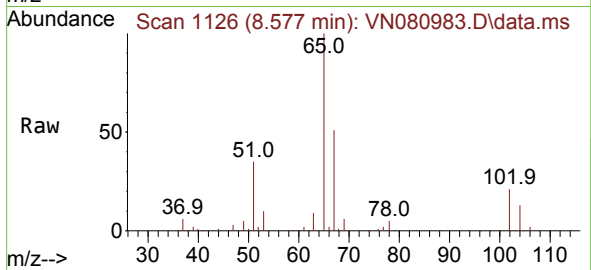




#27  
1,2-Dichloroethane-d4  
Concen: 31.738 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

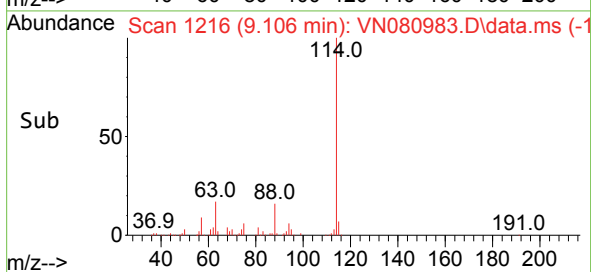
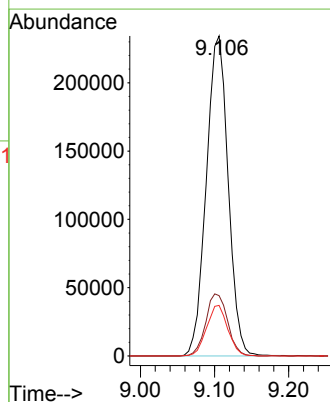
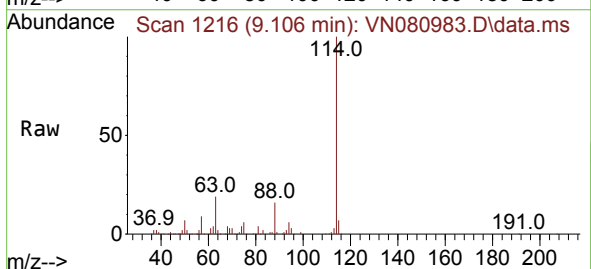
Instrument :  
MSVOA\_N  
ClientSampleId :

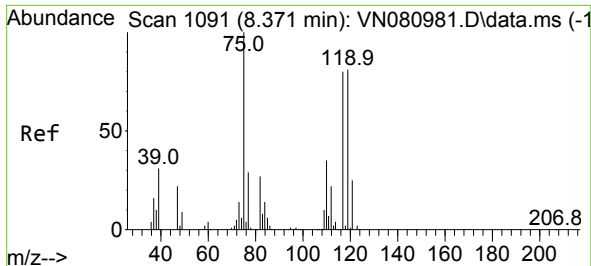
Tgt Ion: 65 Resp: 196280  
Ion Ratio Lower Upper  
65 100  
67 51.4 43.2 64.8



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.106 min Scan# 1216  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Tgt Ion: 114 Resp: 480453  
Ion Ratio Lower Upper  
114 100  
63 19.4 15.9 23.9  
88 15.3 12.7 19.1





#29

1,1-Dichloropropene

Concen: 4.906 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.000 min

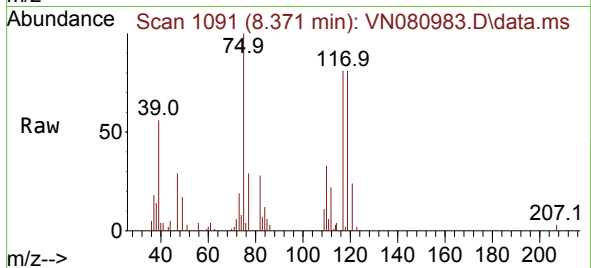
Lab File: VN080983.D

Acq: 09 Feb 2024 11:35

Instrument :

MSVOA\_N

ClientSampleId :



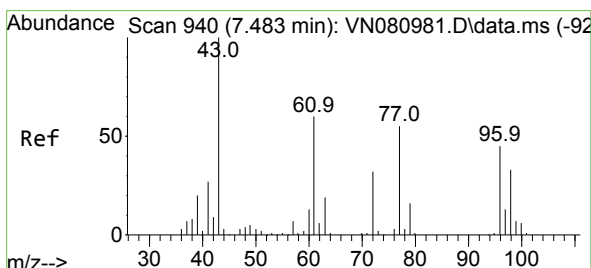
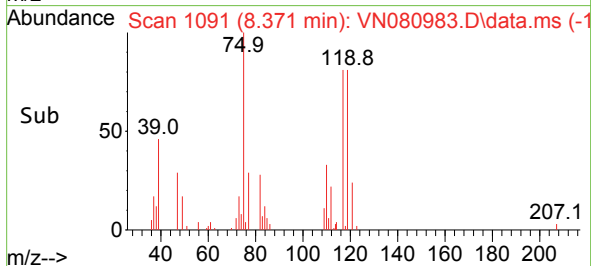
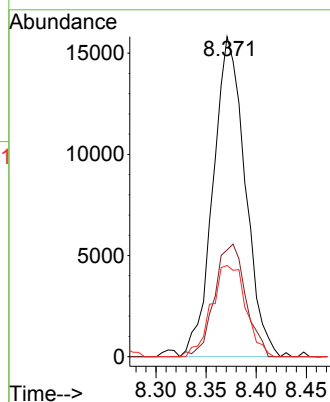
Tgt Ion: 75 Resp: 35108

Ion Ratio Lower Upper

75 100

110 34.4 0.0 70.2

77 20.5 0.0 61.4



#30

2-Butanone

Concen: 25.941 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN080983.D

Acq: 09 Feb 2024 11:35

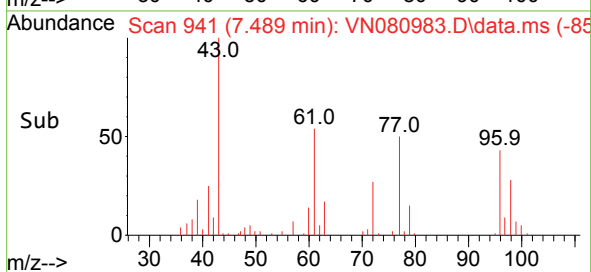
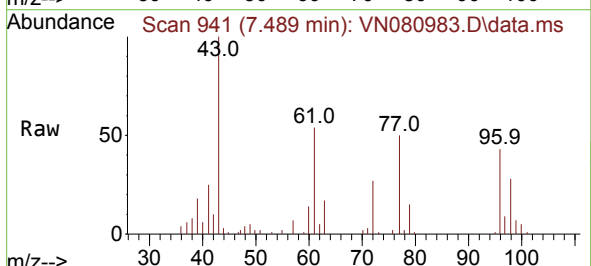
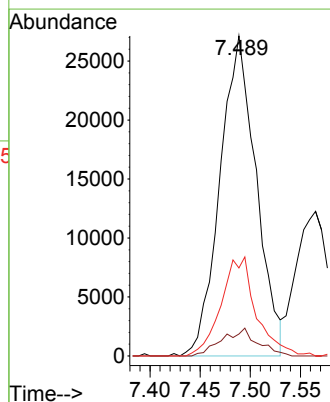
Tgt Ion: 43 Resp: 68114

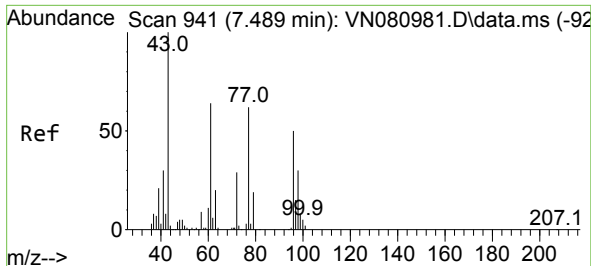
Ion Ratio Lower Upper

43 100

57 4.9 6.7 10.1#

72 29.9 24.0 36.0





#31

2,2-Dichloropropane

Concen: 4.653 ug/l

RT: 7.494 min Scan# 941

Delta R.T. 0.006 min

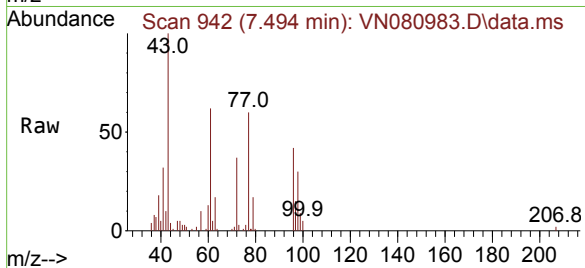
Lab File: VN080983.D

Acq: 09 Feb 2024 11:35

Instrument :

MSVOA\_N

ClientSampleId :

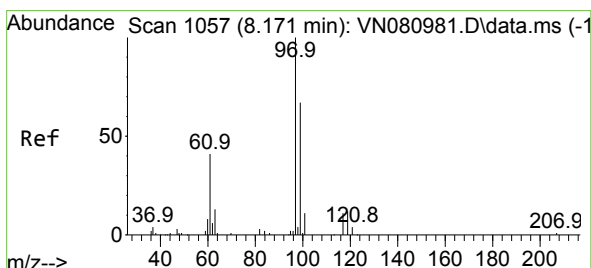
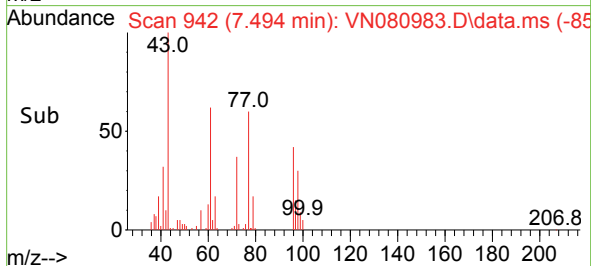
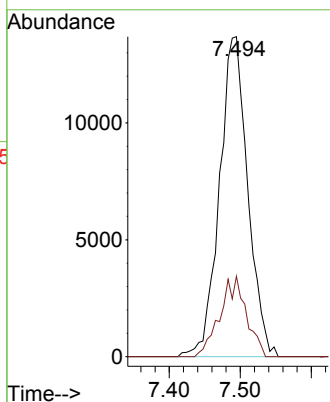


Tgt Ion: 77 Resp: 37918

Ion Ratio Lower Upper

77 100

97 23.3 18.3 27.5



#32

1,1,1-Trichloroethane

Concen: 4.993 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN080983.D

Acq: 09 Feb 2024 11:35

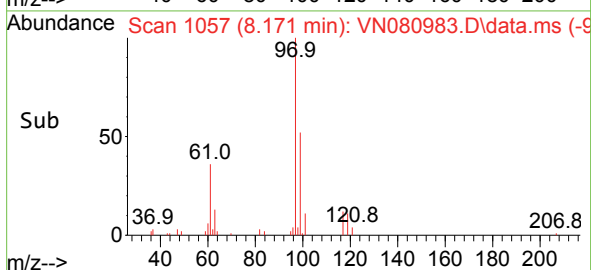
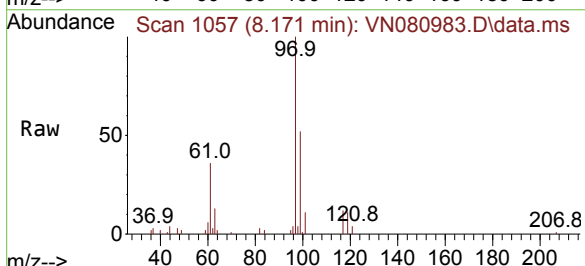
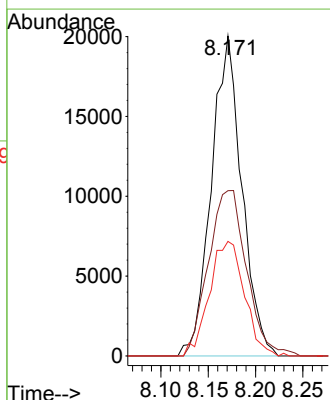
Tgt Ion: 97 Resp: 44952

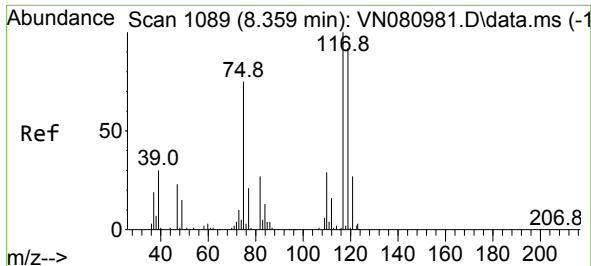
Ion Ratio Lower Upper

97 100

99 64.6 51.0 76.4

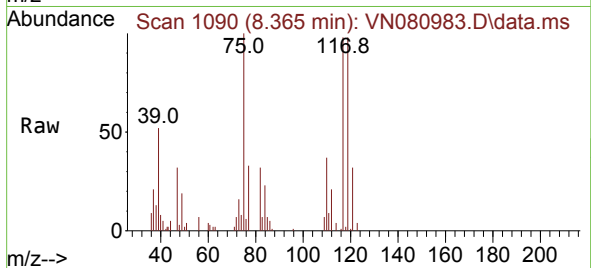
61 41.1 33.8 50.8



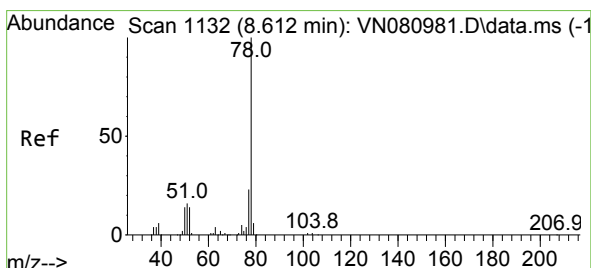
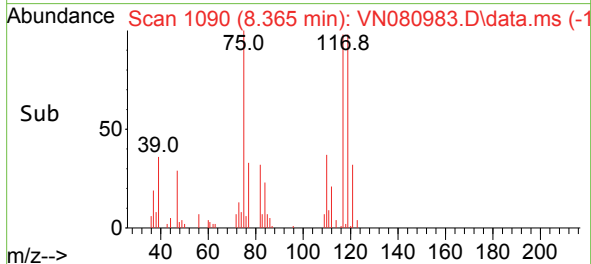
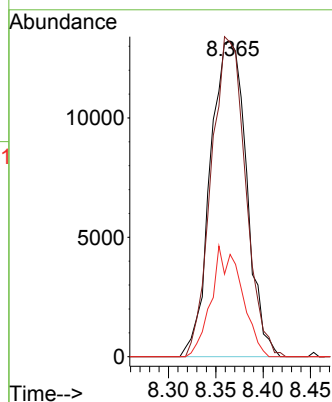


#33  
Carbon Tetrachloride  
Concen: 4.621 ug/l  
RT: 8.365 min Scan# 1109  
Delta R.T. 0.006 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Instrument :  
MSVOA\_N  
ClientSampleId :

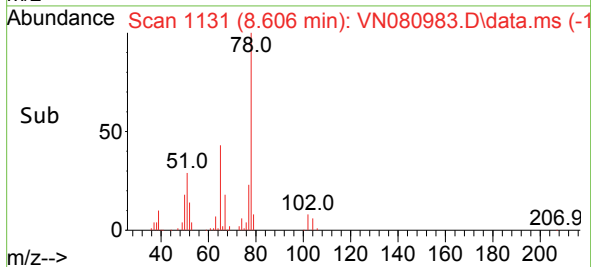
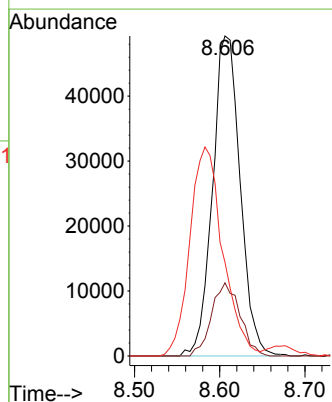
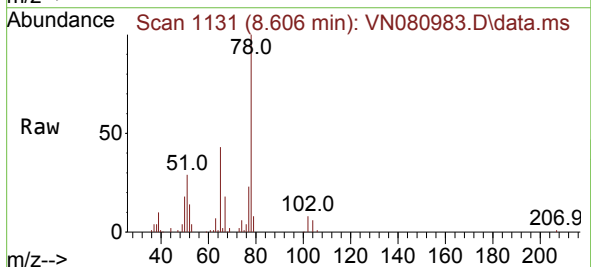


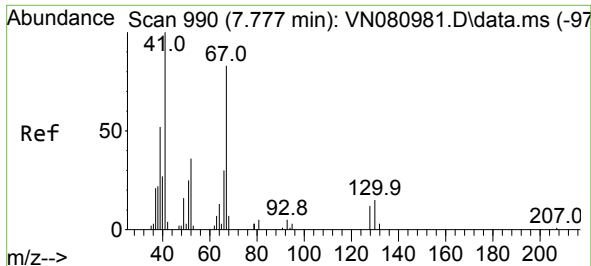
Tgt Ion:117 Resp: 35053  
Ion Ratio Lower Upper  
117 100  
119 99.7 77.7 116.5  
121 32.4 27.0 40.6



#34  
Benzene  
Concen: 5.065 ug/l  
RT: 8.606 min Scan# 1131  
Delta R.T. -0.006 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

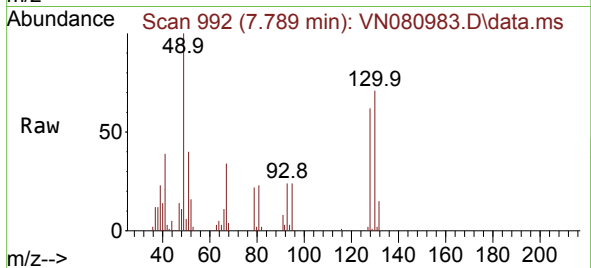
Tgt Ion: 78 Resp: 110778  
Ion Ratio Lower Upper  
78 100  
77 22.9 19.2 28.8  
51 26.2 13.3 19.9#



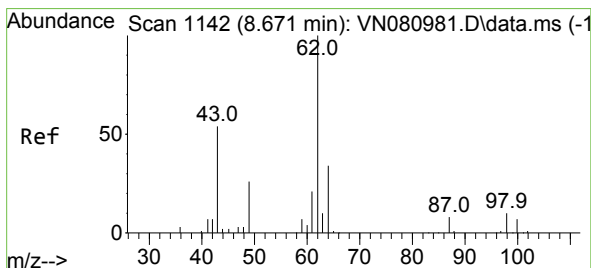
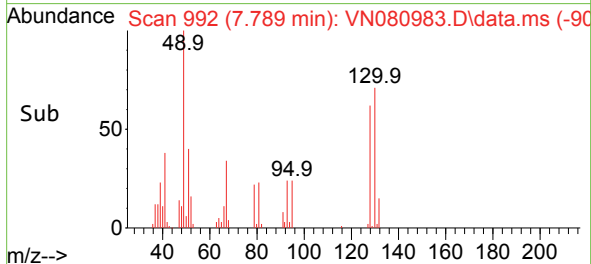
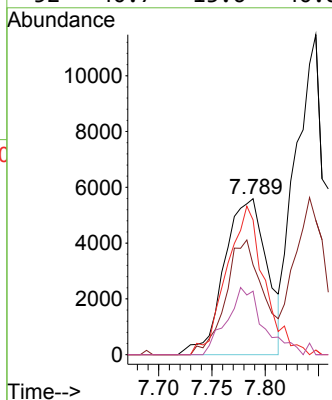


#35  
Methacrylonitrile  
Concen: 5.037 ug/l  
RT: 7.789 min Scan# 990  
Delta R.T. 0.012 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Instrument :  
MSVOA\_N  
ClientSampleId :

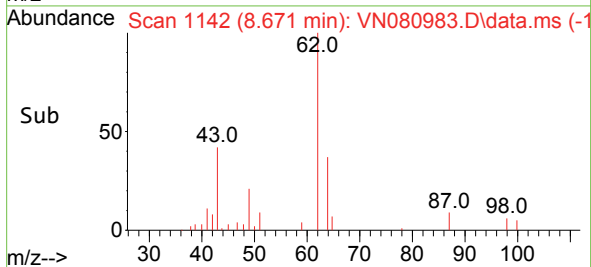
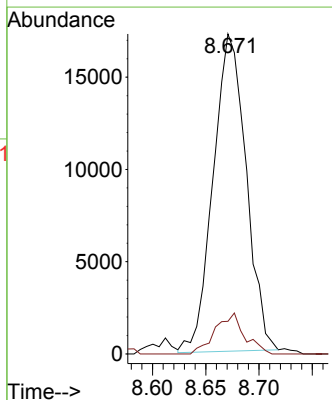
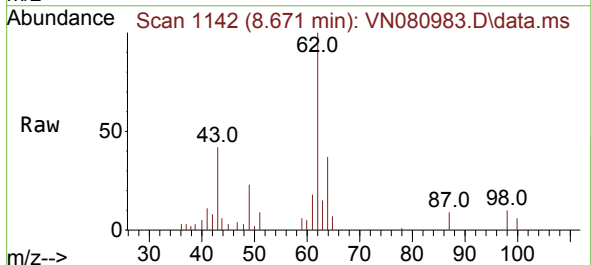


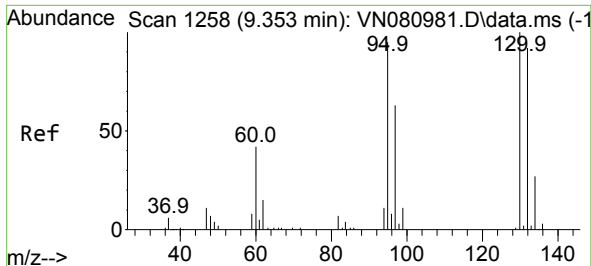
Tgt Ion: 41 Resp: 15546  
Ion Ratio Lower Upper  
41 100  
39 57.5 25.3 75.9  
67 86.4 38.7 116.1  
52 40.7 13.6 40.8



#36  
1,2-Dichloroethane  
Concen: 5.042 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Tgt Ion: 62 Resp: 37003  
Ion Ratio Lower Upper  
62 100  
98 11.4 8.2 12.4





#37

Trichloroethene

Concen: 4.979 ug/l

RT: 9.353 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN080983.D

Acq: 09 Feb 2024 11:35

Instrument :

MSVOA\_N

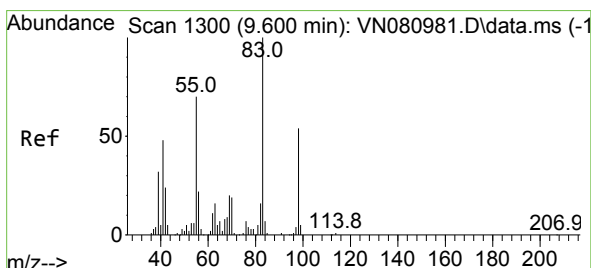
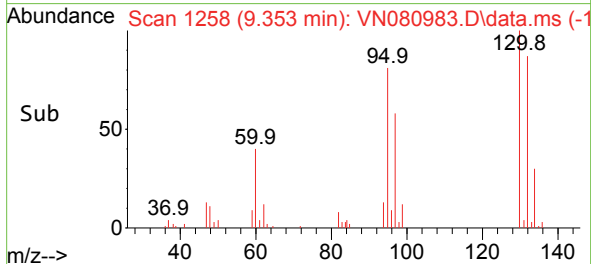
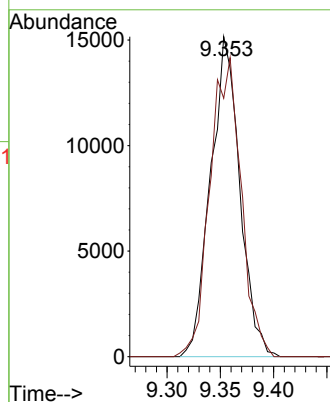
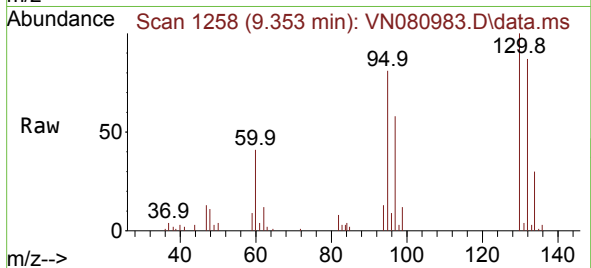
ClientSampleId :

Tgt Ion:130 Resp: 28953

Ion Ratio Lower Upper

130 100

95 80.8 80.2 120.4



#38

Methylcyclohexane

Concen: 4.814 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. 0.006 min

Lab File: VN080983.D

Acq: 09 Feb 2024 11:35

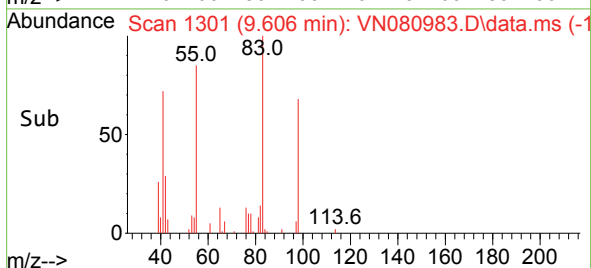
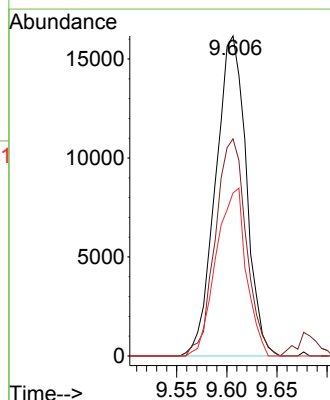
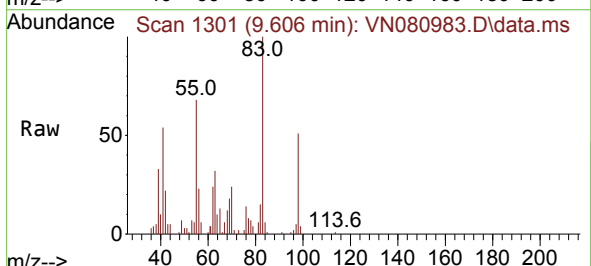
Tgt Ion: 83 Resp: 34381

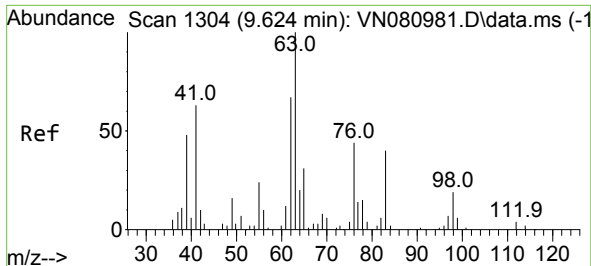
Ion Ratio Lower Upper

83 100

55 68.4 36.6 109.9

98 51.5 23.8 71.5





#39

1,2-Dichloropropane

Concen: 4.908 ug/l

RT: 9.624 min Scan# 1304

Delta R.T. 0.000 min

Lab File: VN080983.D

Acq: 09 Feb 2024 11:35

Instrument :

MSVOA\_N

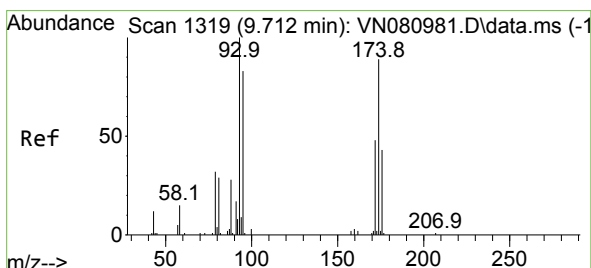
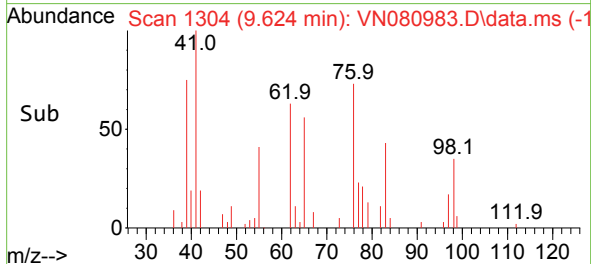
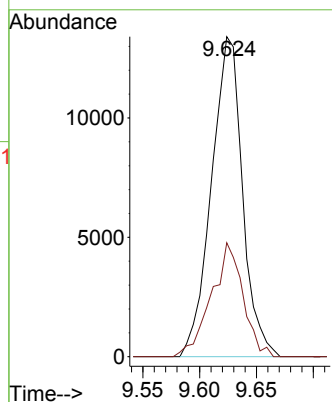
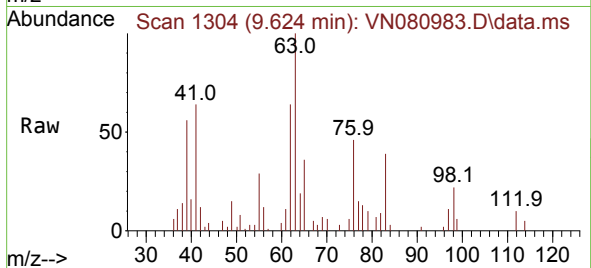
ClientSampleId :

Tgt Ion: 63 Resp: 25462

Ion Ratio Lower Upper

63 100

65 35.6 25.0 37.4



#40

Dibromomethane

Concen: 4.843 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VN080983.D

Acq: 09 Feb 2024 11:35

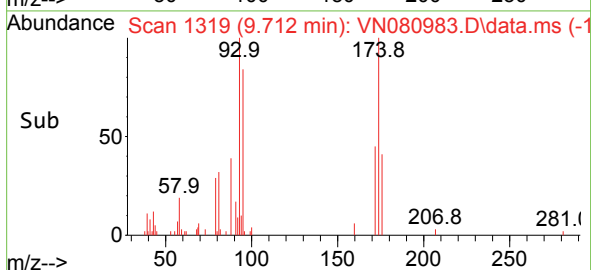
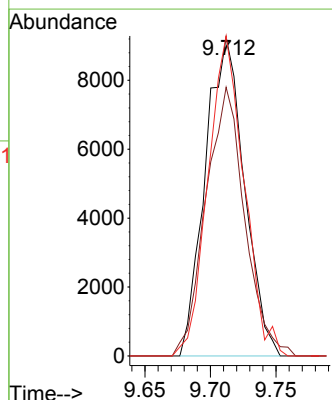
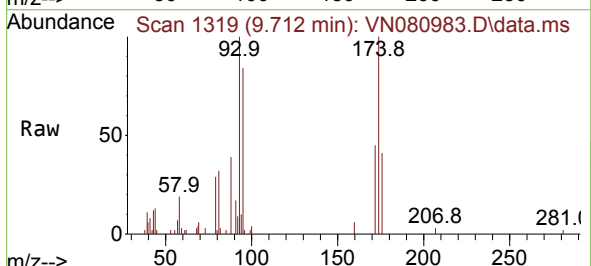
Tgt Ion: 93 Resp: 19112

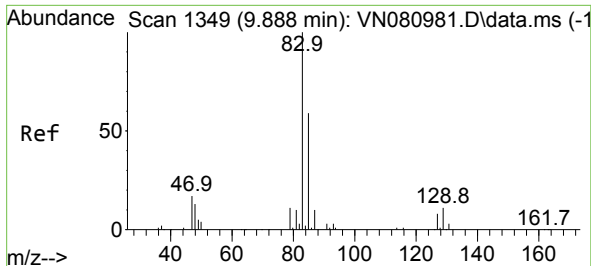
Ion Ratio Lower Upper

93 100

95 84.1 0.0 164.6

174 92.9 0.0 193.2

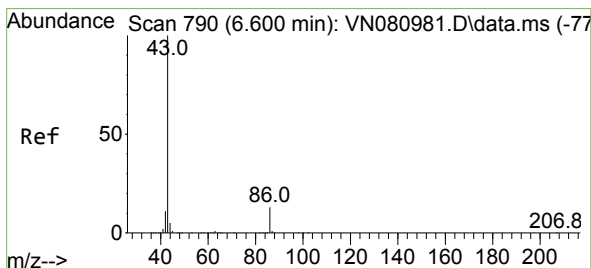
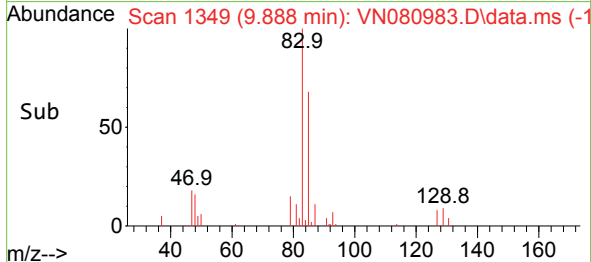
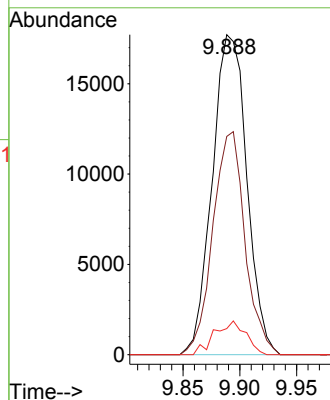
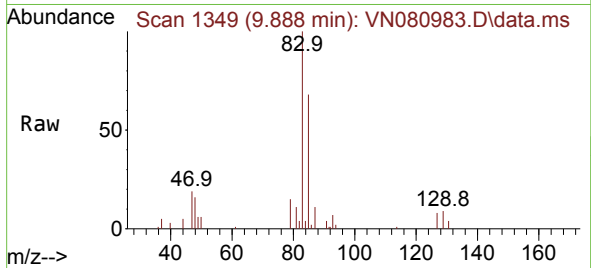




#41  
Bromodichloromethane  
Concen: 4.860 ug/l  
RT: 9.888 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

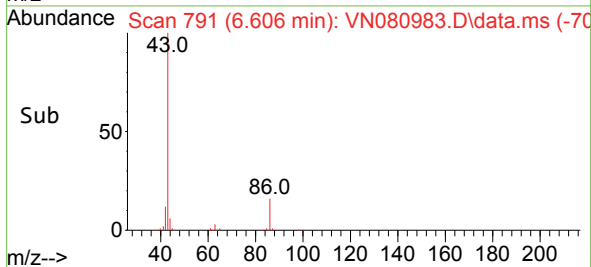
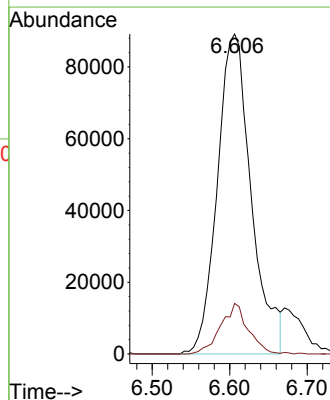
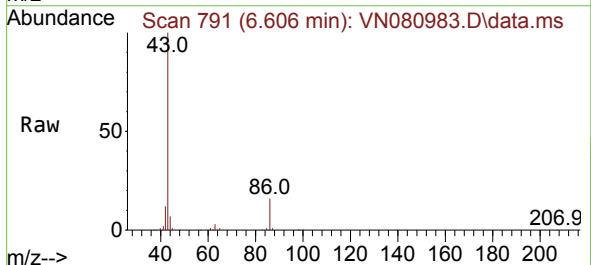
Instrument :  
MSVOA\_N  
ClientSampleId :

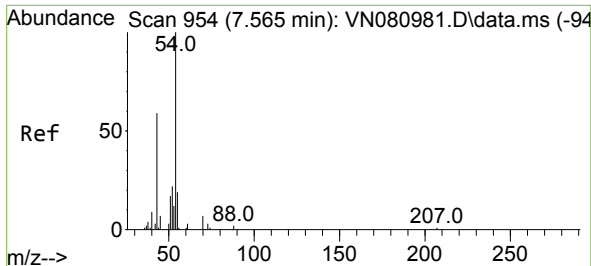
Tgt Ion: 83 Resp: 37536  
Ion Ratio Lower Upper  
83 100  
85 68.2 49.4 74.2  
127 8.1 7.3 10.9



#42  
Vinyl Acetate  
Concen: 24.079 ug/l  
RT: 6.606 min Scan# 791  
Delta R.T. 0.006 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Tgt Ion: 43 Resp: 271658  
Ion Ratio Lower Upper  
43 100  
86 12.8 9.4 14.2

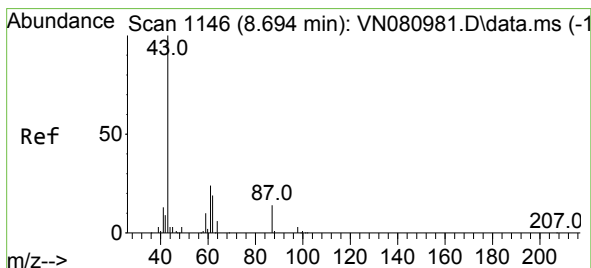
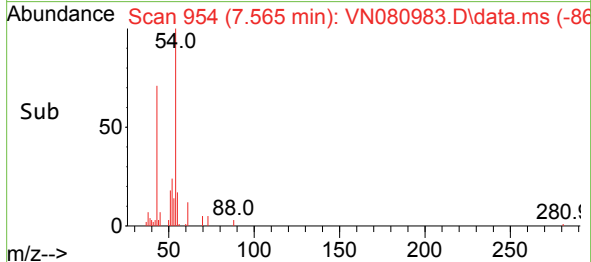
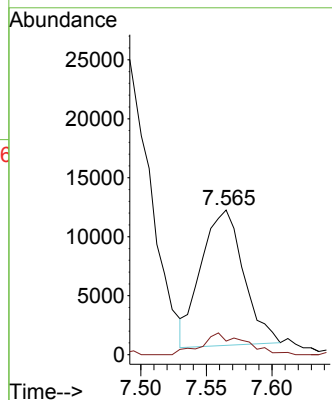
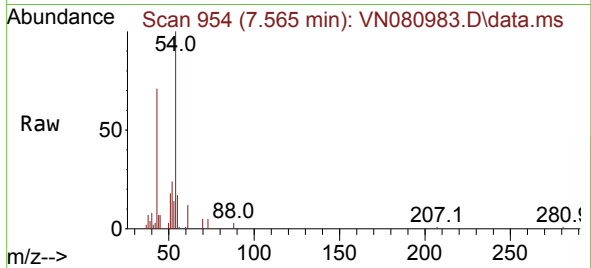




#43  
Ethyl Acetate  
Concen: 4.622 ug/l  
RT: 7.565 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

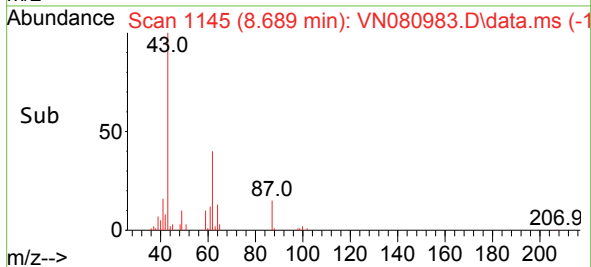
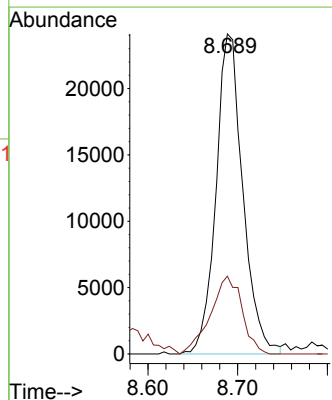
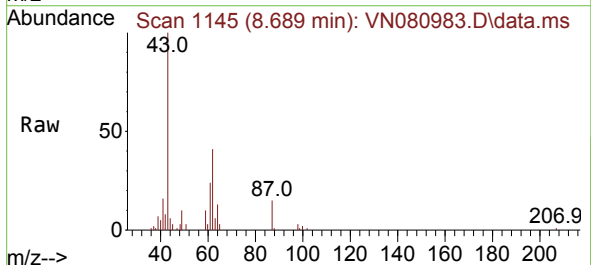
Instrument :  
MSVOA\_N  
ClientSampleId :

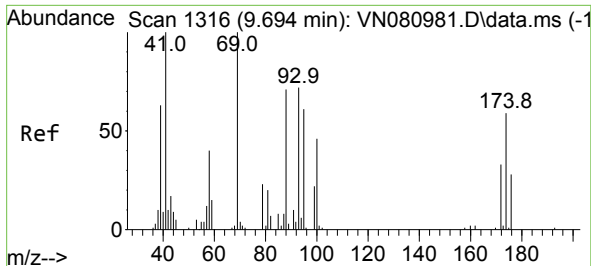
Tgt Ion: 43 Resp: 25850  
Ion Ratio Lower Upper  
43 100  
45 4.5 10.6 15.8#



#44  
Isopropyl Acetate  
Concen: 5.098 ug/l  
RT: 8.689 min Scan# 1145  
Delta R.T. -0.006 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Tgt Ion: 43 Resp: 50098  
Ion Ratio Lower Upper  
43 100  
61 28.6 25.0 37.4





#45

1,4-Dioxane

Concen: 45.550 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.006 min

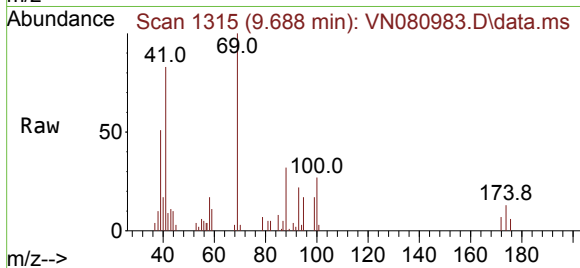
Lab File: VN080983.D

Acq: 09 Feb 2024 11:35

Instrument :

MSVOA\_N

ClientSampleId :



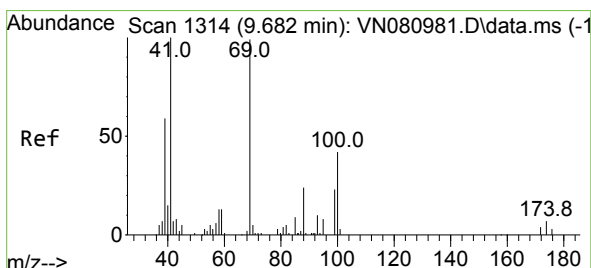
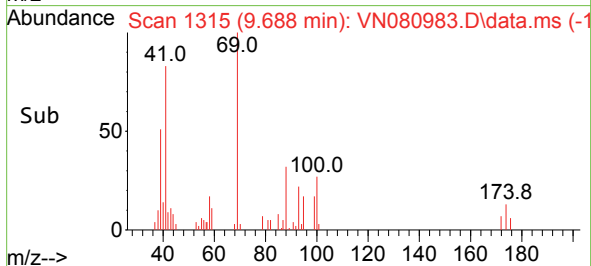
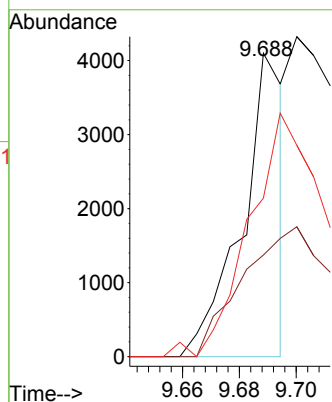
Tgt Ion: 88 Resp: 4221

Ion Ratio Lower Upper

88 100

43 81.1 19.8 29.6#

58 148.7 55.4 83.0#



#46

Methyl methacrylate

Concen: 5.176 ug/l

RT: 9.683 min Scan# 1314

Delta R.T. 0.000 min

Lab File: VN080983.D

Acq: 09 Feb 2024 11:35

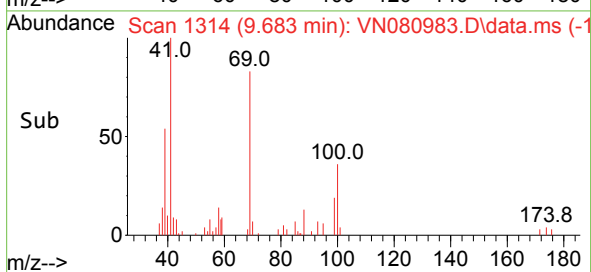
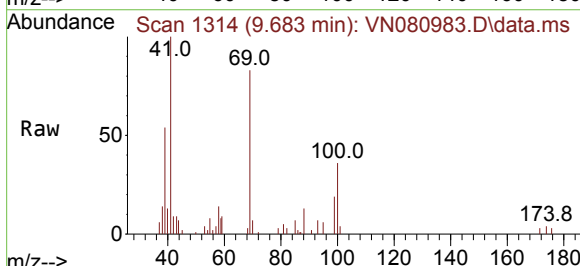
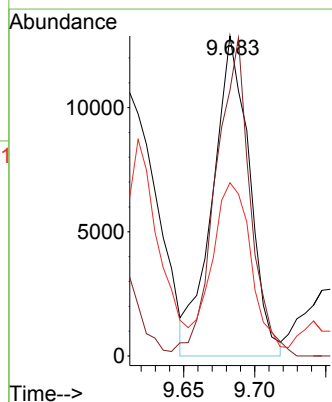
Tgt Ion: 41 Resp: 23272

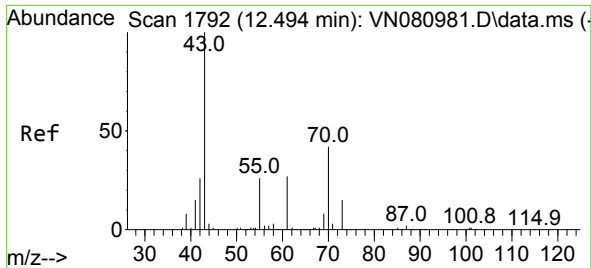
Ion Ratio Lower Upper

41 100

69 82.4 51.1 153.3

39 53.5 25.8 77.3

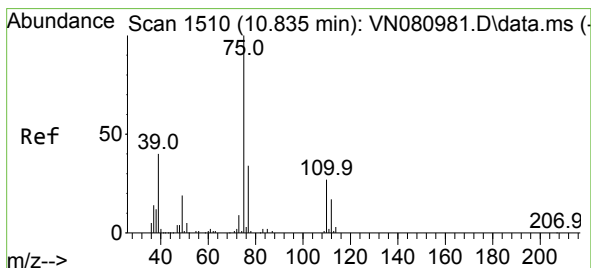
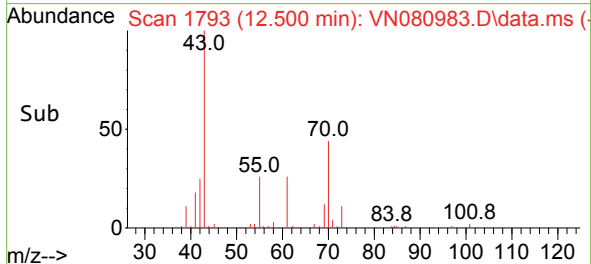
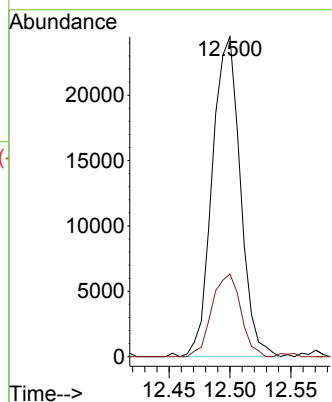
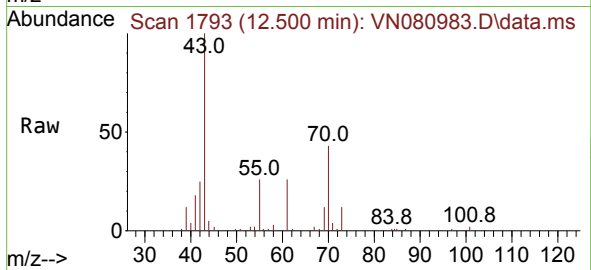




#47  
n-amy1 Acetate  
Concen: 4.574 ug/l  
RT: 12.500 min Scan# 1793  
Delta R.T. 0.006 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

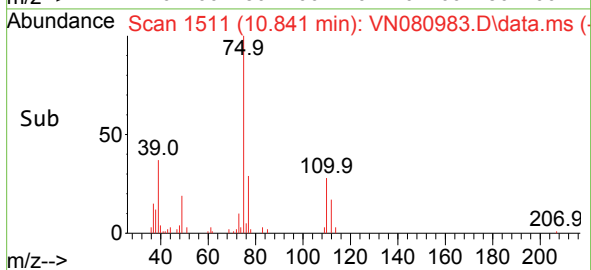
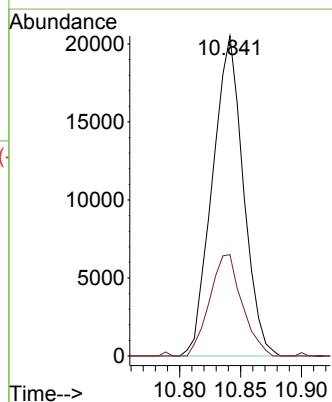
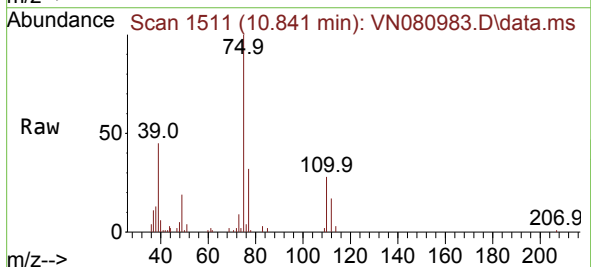
Instrument :  
MSVOA\_N  
ClientSampleId :

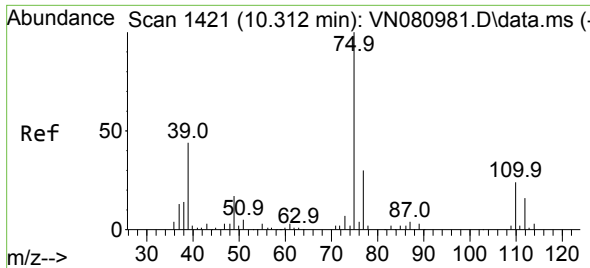
Tgt Ion: 43 Resp: 39200  
Ion Ratio Lower Upper  
43 100  
55 26.6 23.4 35.2



#48  
t-1,3-Dichloropropene  
Concen: 4.477 ug/l  
RT: 10.841 min Scan# 1511  
Delta R.T. 0.006 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Tgt Ion: 75 Resp: 36242  
Ion Ratio Lower Upper  
75 100  
77 31.7 23.8 35.6

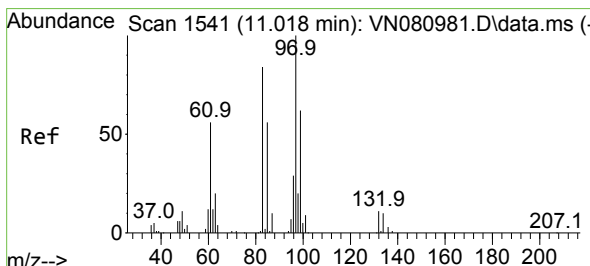
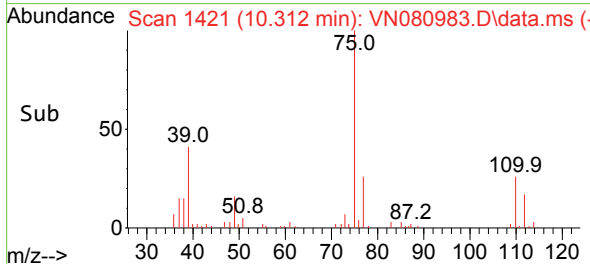
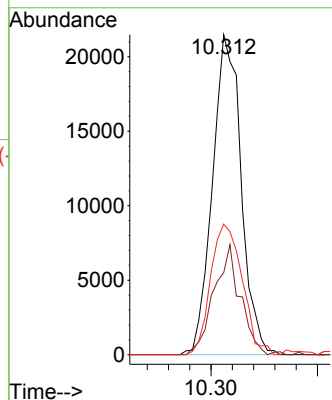
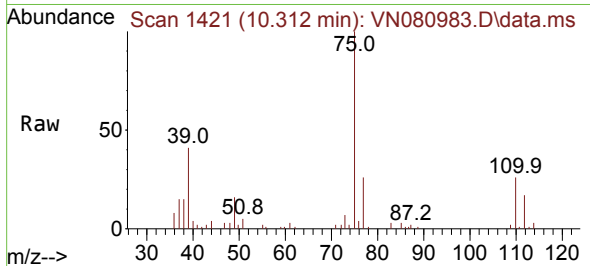




#49  
 cis-1,3-Dichloropropene  
 Concen: 4.577 ug/l  
 RT: 10.312 min Scan# 1421  
 Delta R.T. 0.000 min  
 Lab File: VN080983.D  
 Acq: 09 Feb 2024 11:35

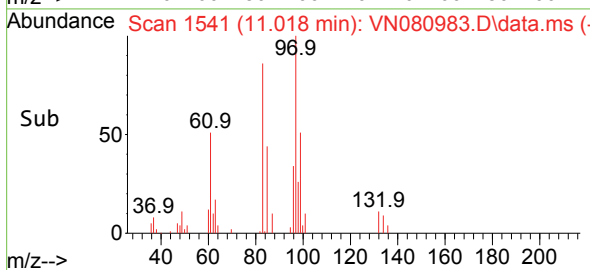
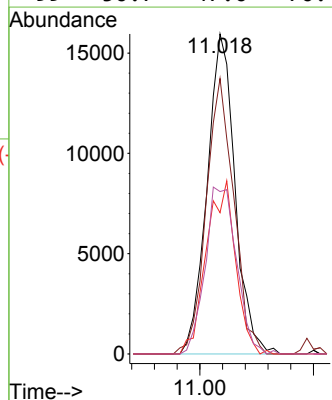
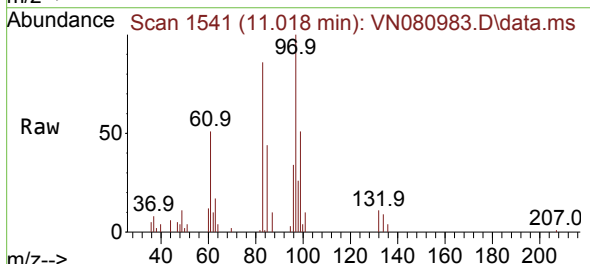
Instrument :  
 MSVOA\_N  
 ClientSampleId :

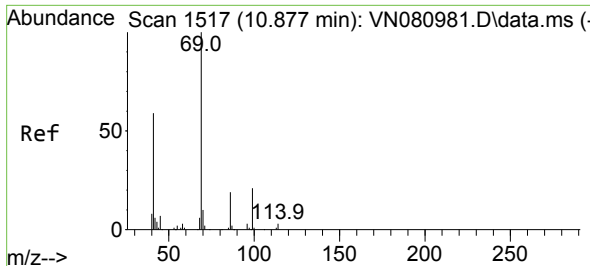
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 40146 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 25.6  | 24.9  | 37.3  |
| 39       | 40.8  | 31.0  | 46.6  |



#50  
 1,1,2-Trichloroethane  
 Concen: 4.991 ug/l  
 RT: 11.018 min Scan# 1541  
 Delta R.T. 0.000 min  
 Lab File: VN080983.D  
 Acq: 09 Feb 2024 11:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 27256 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 86.1  | 68.1  | 102.1 |
| 85       | 44.1  | 41.8  | 62.6  |
| 99       | 50.7  | 47.0  | 70.4  |

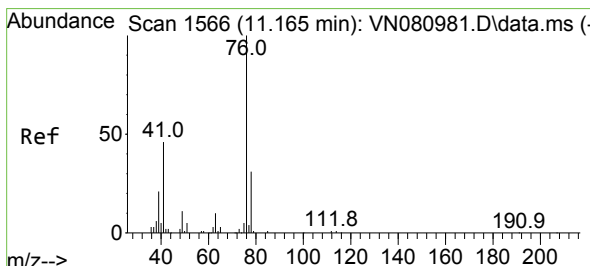
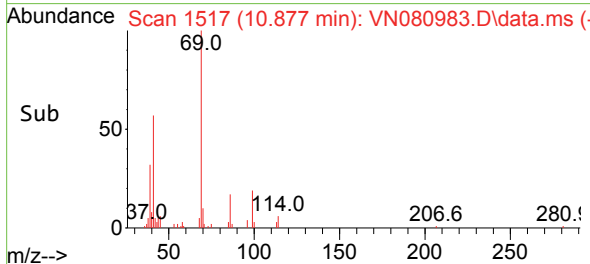
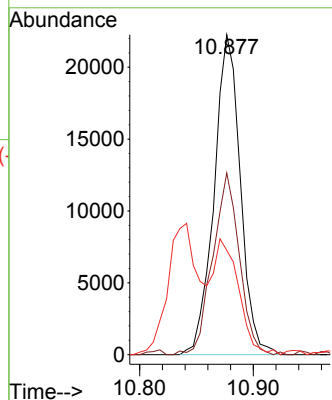
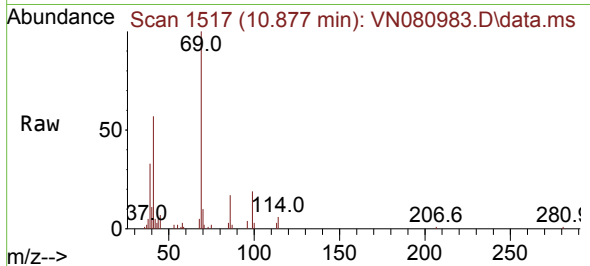




#51  
Ethyl methacrylate  
Concen: 4.695 ug/l  
RT: 10.877 min Scan# 1517  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

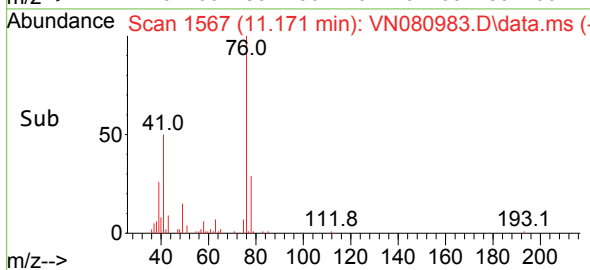
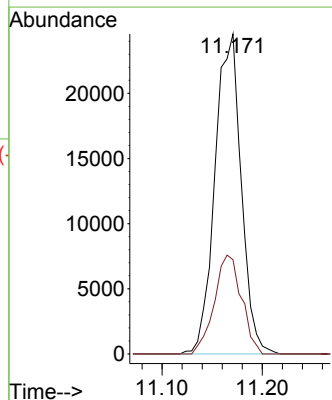
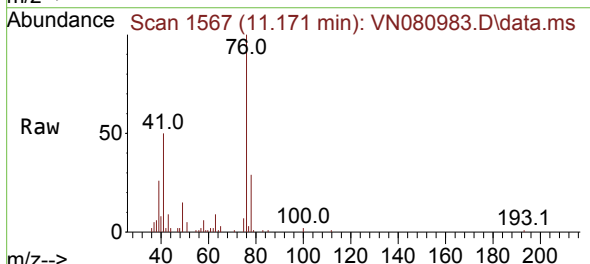
Instrument :  
MSVOA\_N  
ClientSampleId :

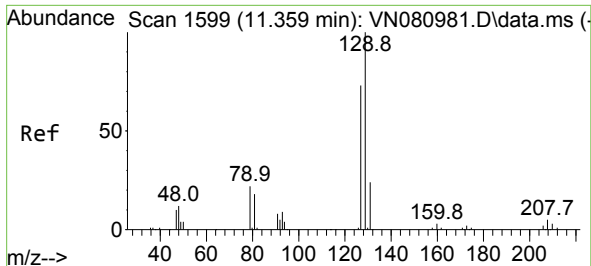
Tgt Ion: 69 Resp: 35832  
Ion Ratio Lower Upper  
69 100  
41 55.9 25.5 76.5  
39 32.6 16.0 47.9



#52  
1,3-Dichloropropane  
Concen: 4.953 ug/l  
RT: 11.171 min Scan# 1567  
Delta R.T. 0.006 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Tgt Ion: 76 Resp: 44667  
Ion Ratio Lower Upper  
76 100  
78 32.1 0.0 65.8

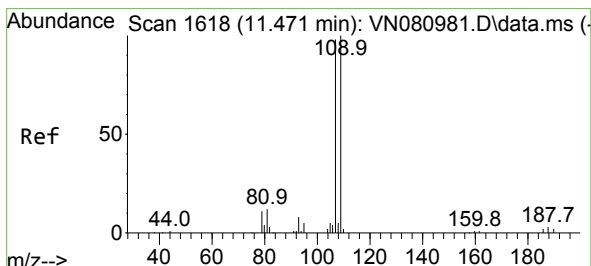
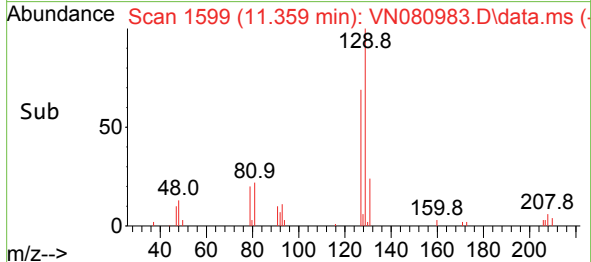
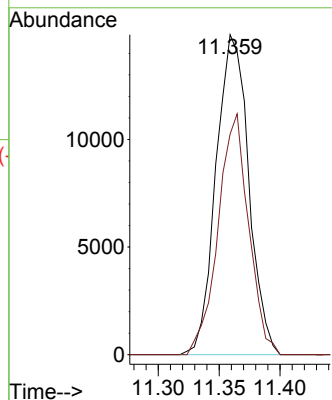
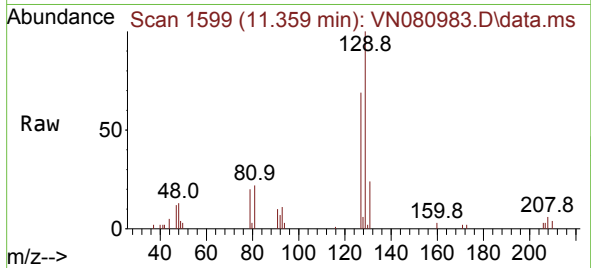




#53  
Dibromochloromethane  
Concen: 4.657 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

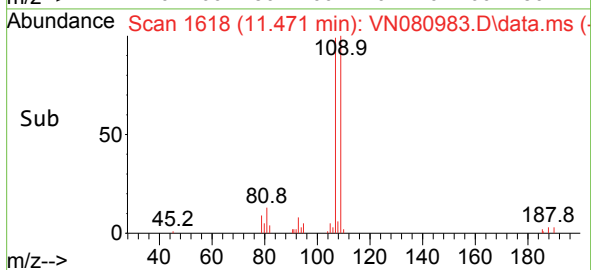
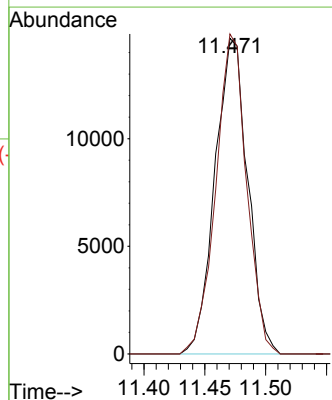
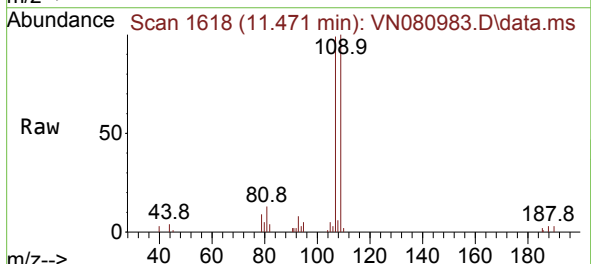
Instrument :  
MSVOA\_N  
ClientSampleId :

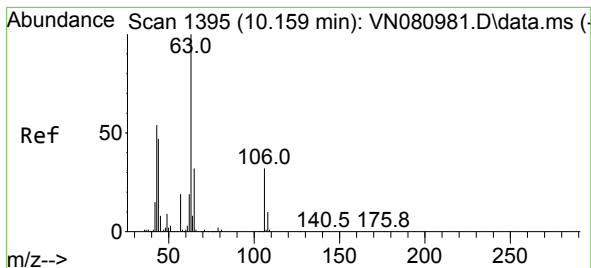
Tgt Ion:129 Resp: 27719  
Ion Ratio Lower Upper  
129 100  
127 70.5 39.4 118.1



#54  
1,2-Dibromoethane  
Concen: 4.853 ug/l  
RT: 11.471 min Scan# 1618  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Tgt Ion:107 Resp: 27417  
Ion Ratio Lower Upper  
107 100  
109 95.6 74.7 112.1

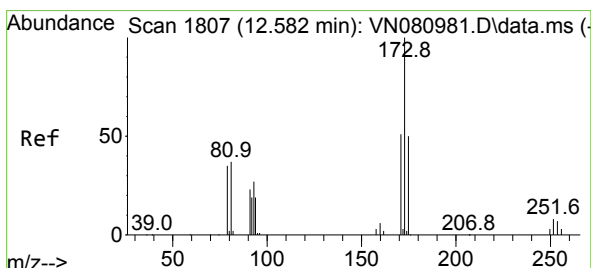
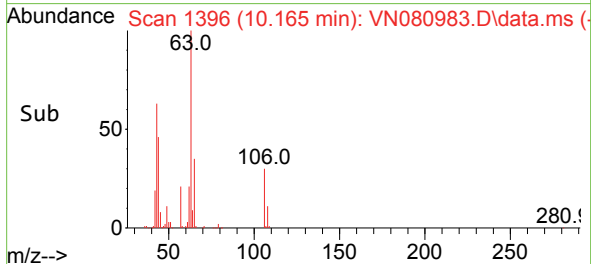
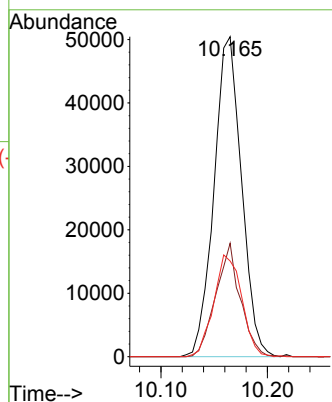
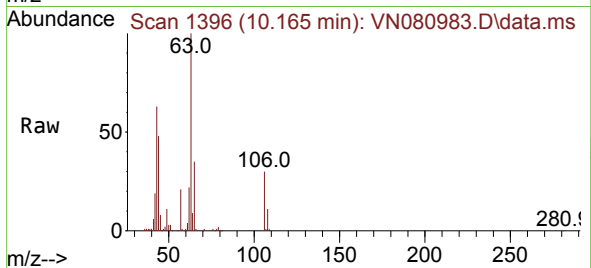




#55  
2-Chloroethyl vinyl ether  
Concen: 23.111 ug/l  
RT: 10.165 min Scan# 1396  
Delta R.T. 0.006 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

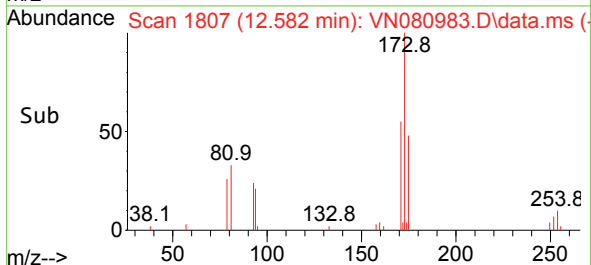
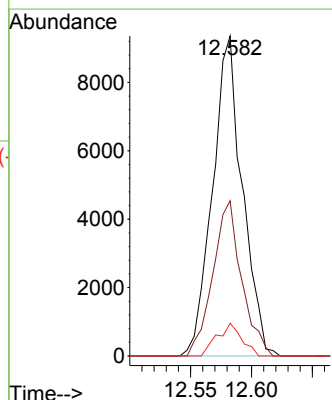
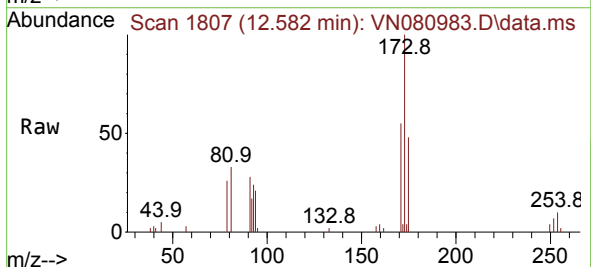
Instrument :  
MSVOA\_N  
ClientSampleId :

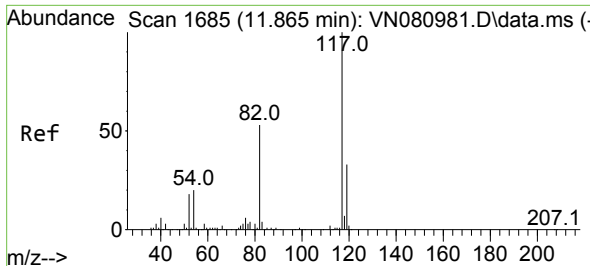
Tgt Ion: 63 Resp: 90393  
Ion Ratio Lower Upper  
63 100  
65 31.6 26.2 39.2  
106 32.3 23.8 35.8



#56  
Bromoform  
Concen: 4.192 ug/l  
RT: 12.582 min Scan# 1807  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

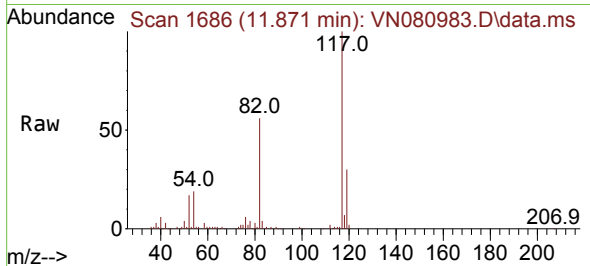
Tgt Ion: 173 Resp: 15892  
Ion Ratio Lower Upper  
173 100  
175 46.8 40.0 60.0  
254 8.4 8.3 12.5



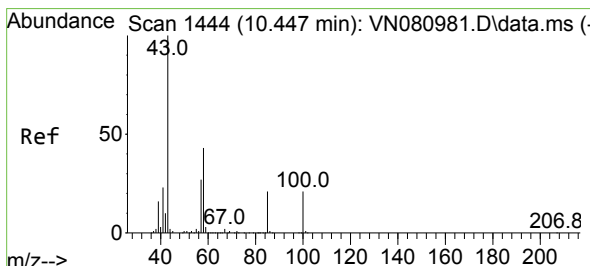
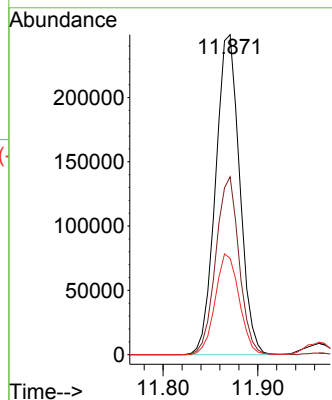
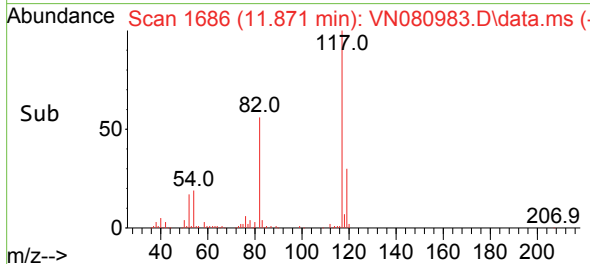


#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.871 min Scan# 1186  
Delta R.T. 0.006 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Instrument :  
MSVOA\_N  
ClientSampleId :

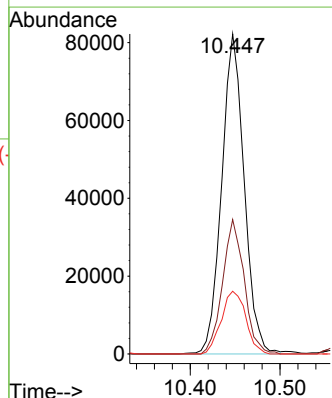
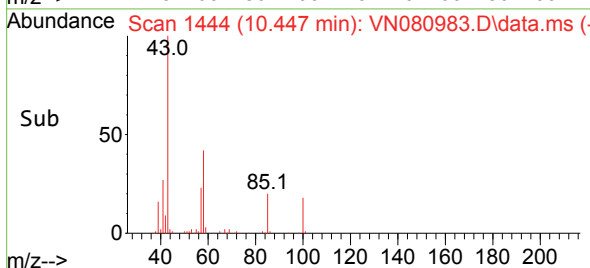
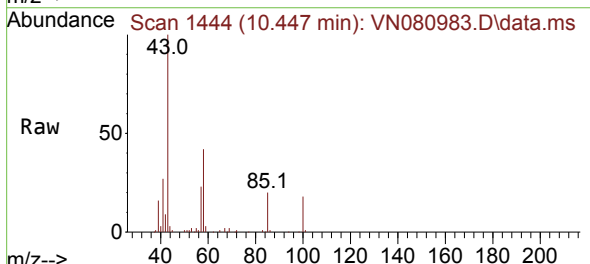


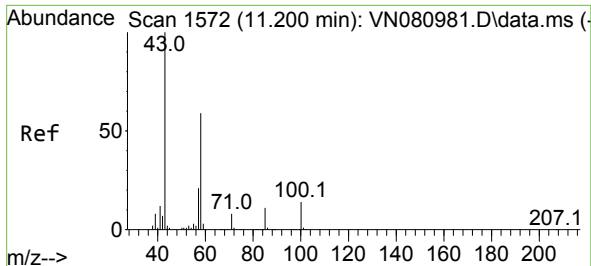
Tgt Ion:117 Resp: 439173  
Ion Ratio Lower Upper  
117 100  
82 54.0 46.6 69.8  
119 31.5 25.4 38.2



#58  
4-Methyl-2-Pentanone  
Concen: 25.096 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Tgt Ion: 43 Resp: 143090  
Ion Ratio Lower Upper  
43 100  
58 40.4 36.5 54.7  
85 21.4 19.5 29.3

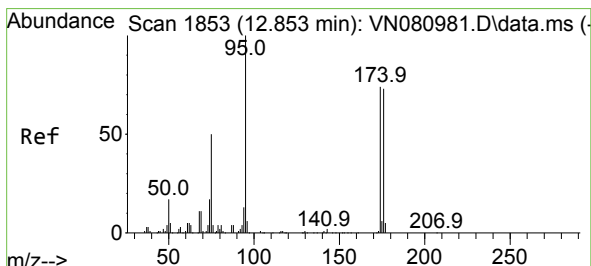
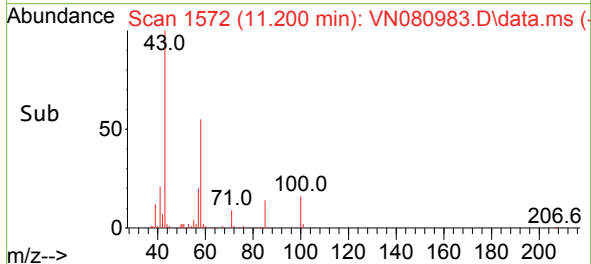
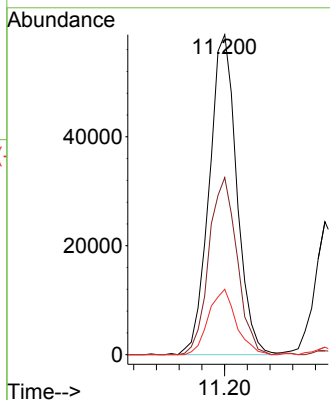
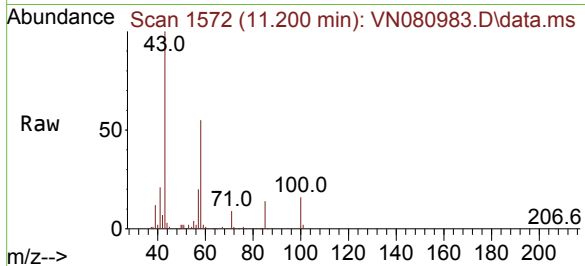




#59  
2-Hexanone  
Concen: 23.597 ug/l  
RT: 11.200 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

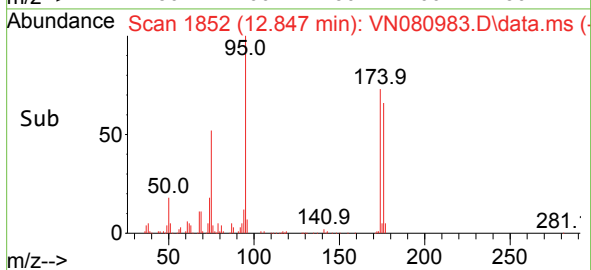
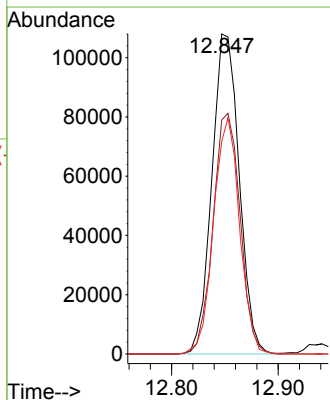
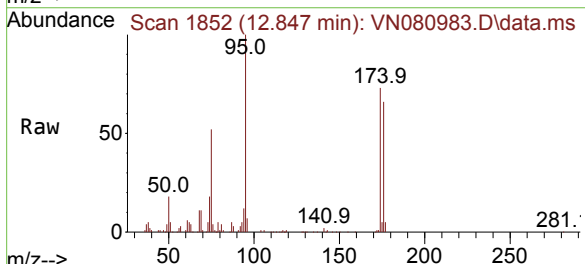
Instrument :  
MSVOA\_N  
ClientSampleId :

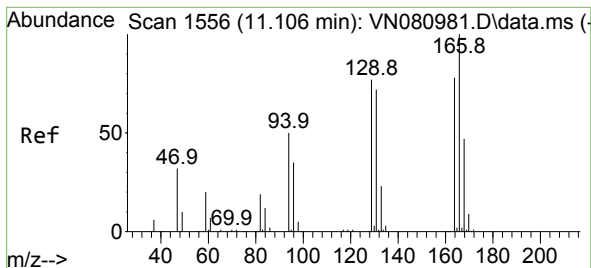
Tgt Ion: 43 Resp: 98954  
Ion Ratio Lower Upper  
43 100  
58 56.5 50.4 75.6  
57 20.5 18.6 27.8



#60  
4-Bromofluorobenzene  
Concen: 28.678 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.006 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Tgt Ion: 95 Resp: 192545  
Ion Ratio Lower Upper  
95 100  
174 74.5 60.5 90.7  
176 70.2 57.8 86.6





#61

Tetrachloroethene

Concen: 5.111 ug/l

RT: 11.106 min Scan# 11

Delta R.T. 0.000 min

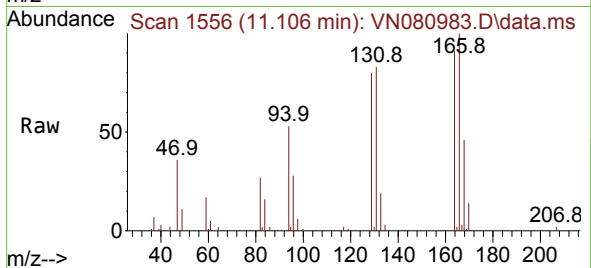
Lab File: VN080983.D

Acq: 09 Feb 2024 11:35

Instrument :

MSVOA\_N

ClientSampleId :



Tgt Ion:164 Resp: 25640

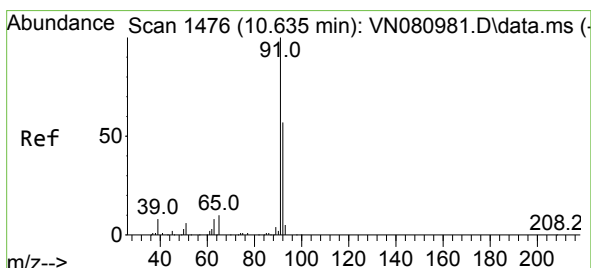
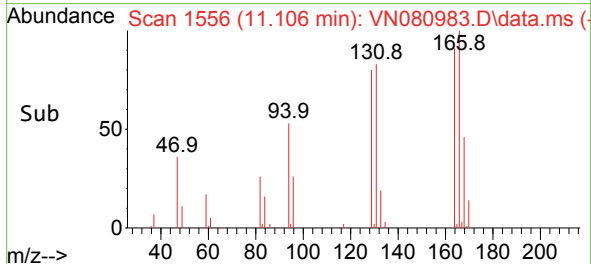
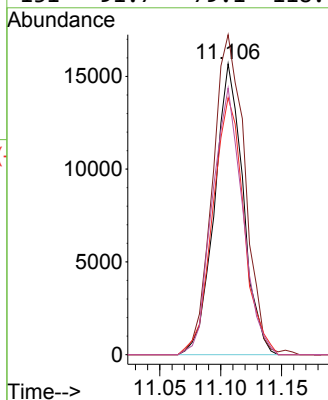
Ion Ratio Lower Upper

164 100

166 110.0 106.7 160.1

129 88.3 85.8 128.6

131 91.7 79.1 118.7



#62

Toluene

Concen: 5.061 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN080983.D

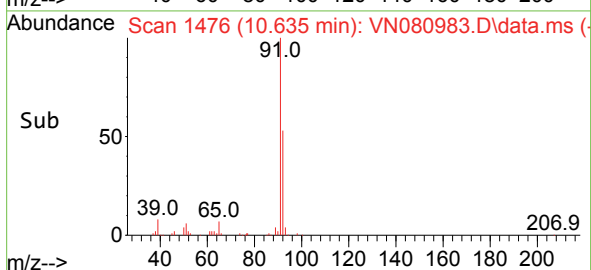
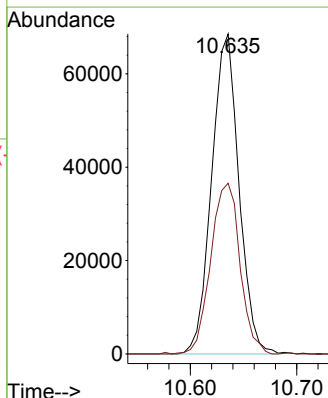
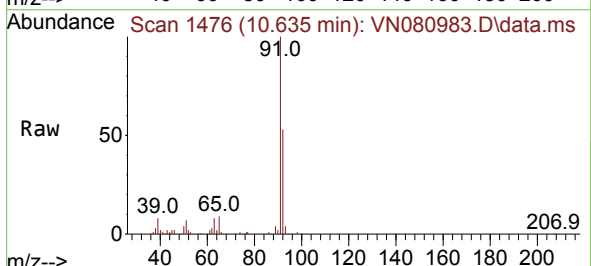
Acq: 09 Feb 2024 11:35

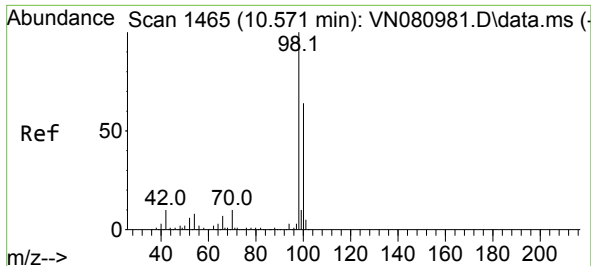
Tgt Ion: 91 Resp: 121750

Ion Ratio Lower Upper

91 100

92 57.2 46.5 69.7

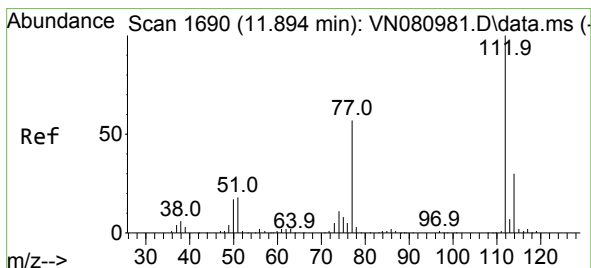
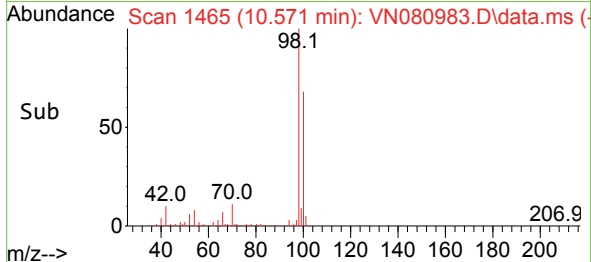
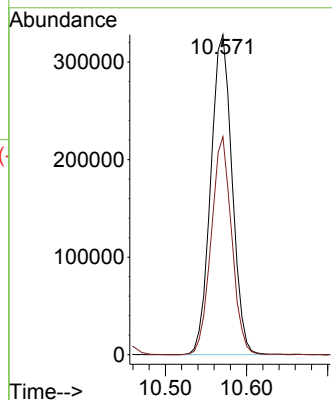
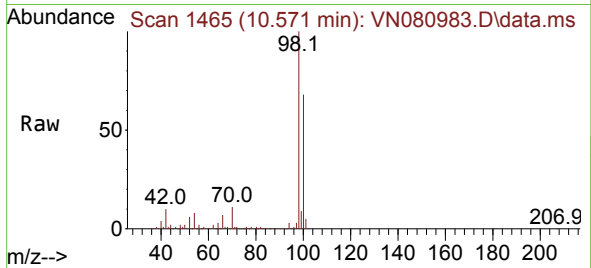




#63  
Toluene-d8  
Concen: 30.421 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

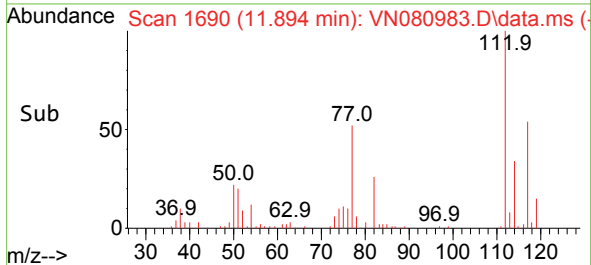
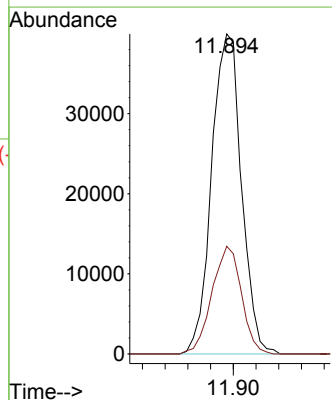
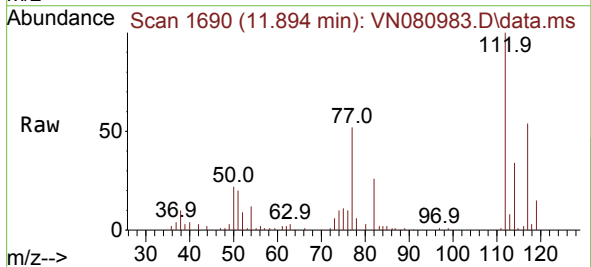
Instrument :  
MSVOA\_N  
ClientSampleId :

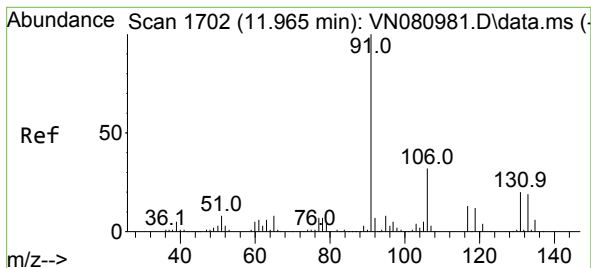
Tgt Ion: 98 Resp: 599560  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.7 79.1



#64  
Chlorobenzene  
Concen: 4.942 ug/l  
RT: 11.894 min Scan# 1690  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Tgt Ion: 112 Resp: 72818  
Ion Ratio Lower Upper  
112 100  
114 33.7 26.6 39.8





#65

1,1,1,2-Tetrachloroethane

Concen: 4.780 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.000 min

Lab File: VN080983.D

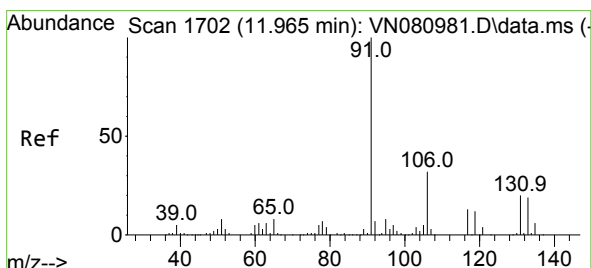
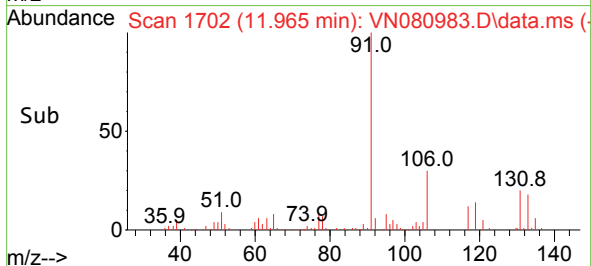
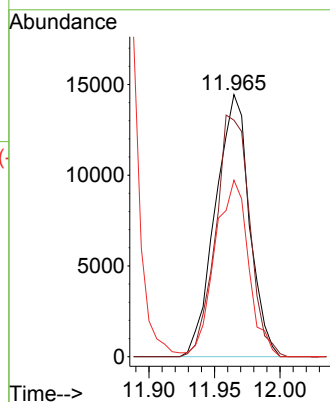
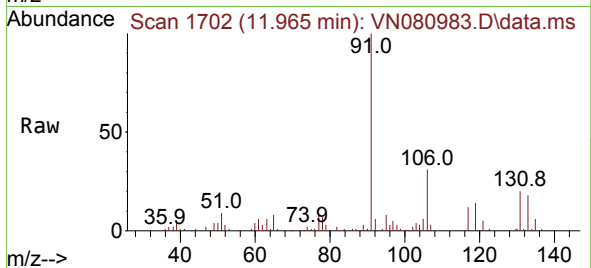
Acq: 09 Feb 2024 11:35

Instrument :

MSVOA\_N

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:131 | Resp: | 26127     |
| Ion Ratio   | Lower | Upper     |
| 131         | 100   |           |
| 133         | 91.6  | 0.0 188.0 |
| 119         | 66.6  | 0.0 122.8 |



#66

Ethyl Benzene

Concen: 4.601 ug/l

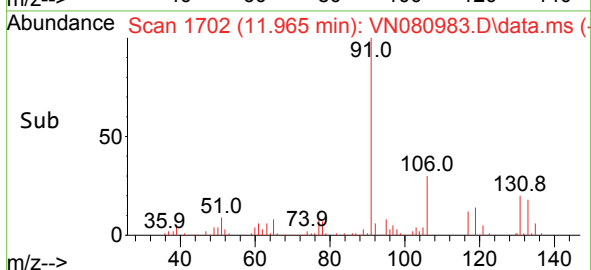
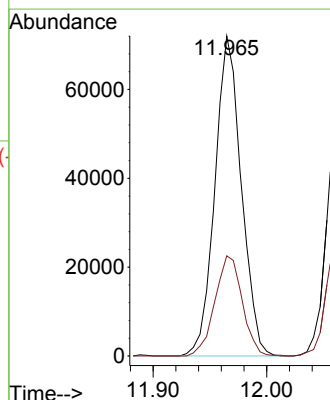
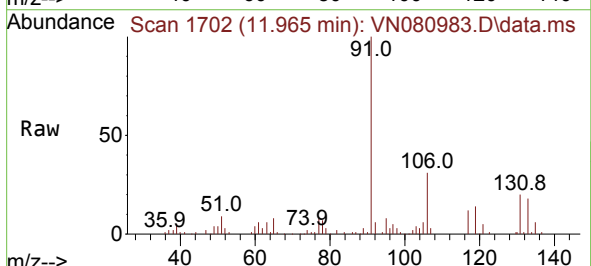
RT: 11.965 min Scan# 1702

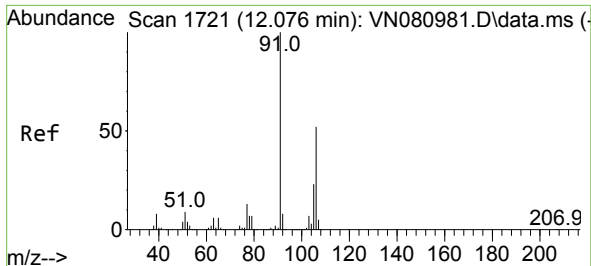
Delta R.T. 0.000 min

Lab File: VN080983.D

Acq: 09 Feb 2024 11:35

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 91 | Resp: | 116369    |
| Ion Ratio   | Lower | Upper     |
| 91          | 100   |           |
| 106         | 31.3  | 24.4 36.6 |





#67

m/p-Xylenes

Concen: 9.261 ug/l

RT: 12.077 min Scan# 1721

Delta R.T. 0.000 min

Lab File: VN080983.D

Acq: 09 Feb 2024 11:35

Instrument :

MSVOA\_N

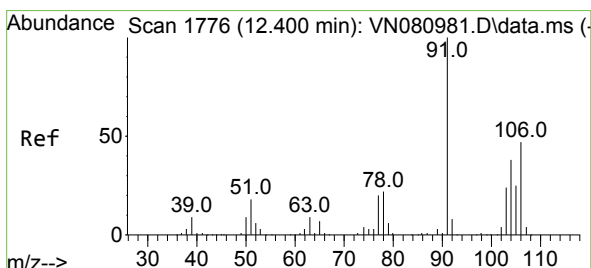
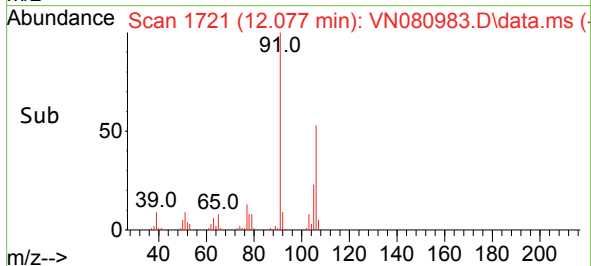
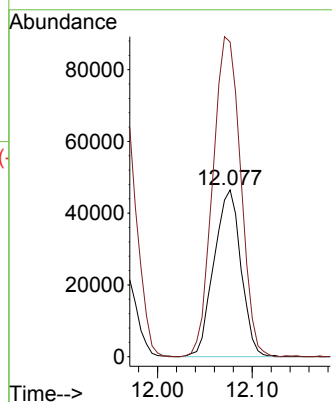
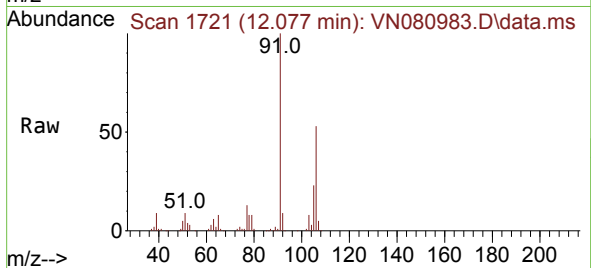
ClientSampleId :

Tgt Ion:106 Resp: 91998

Ion Ratio Lower Upper

106 100

91 198.2 166.6 249.8



#68

o-Xylene

Concen: 4.660 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VN080983.D

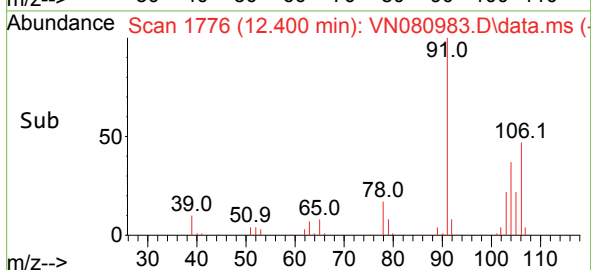
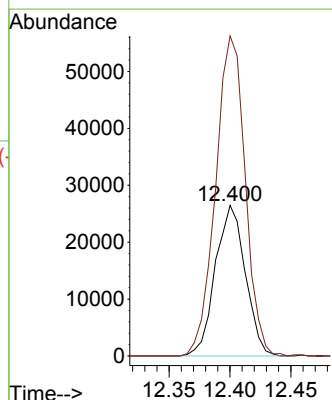
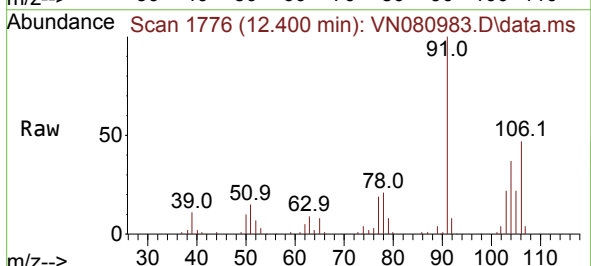
Acq: 09 Feb 2024 11:35

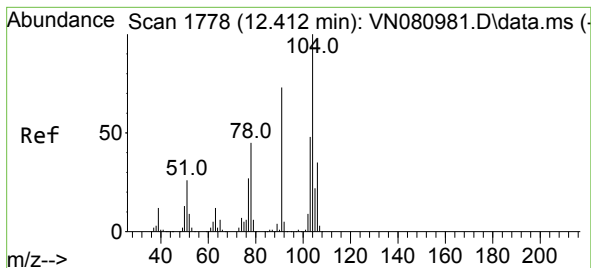
Tgt Ion:106 Resp: 45368

Ion Ratio Lower Upper

106 100

91 210.0 110.0 330.0





#69

Styrene

Concen: 4.399 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. 0.000 min

Lab File: VN080983.D

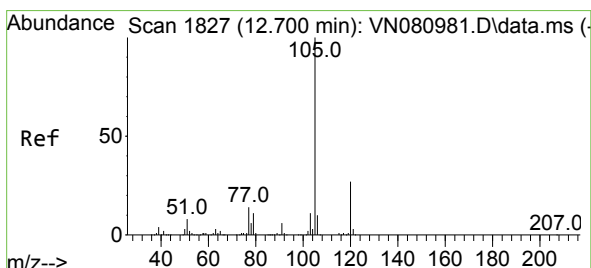
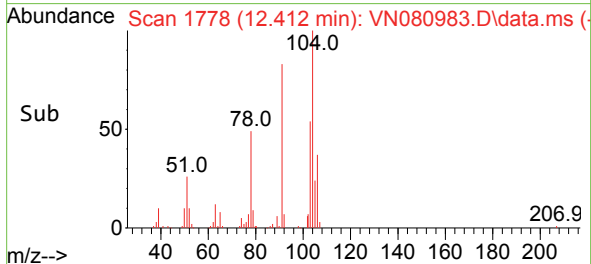
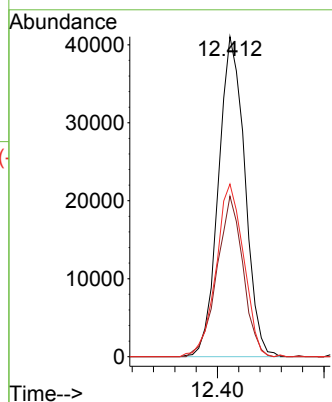
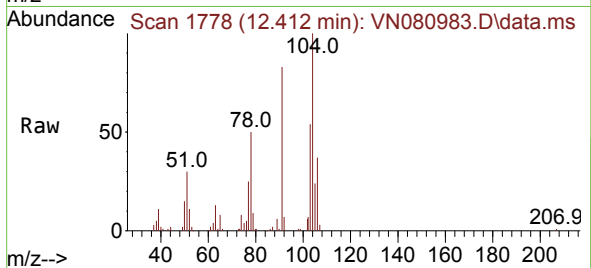
Acq: 09 Feb 2024 11:35

Instrument :

MSVOA\_N

ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:104 | Resp: | 70505       |
| Ion         | Ratio | Lower Upper |
| 104         | 100   |             |
| 78          | 49.5  | 42.6 64.0   |
| 103         | 56.3  | 43.7 65.5   |



#70

Isopropylbenzene

Concen: 4.569 ug/l

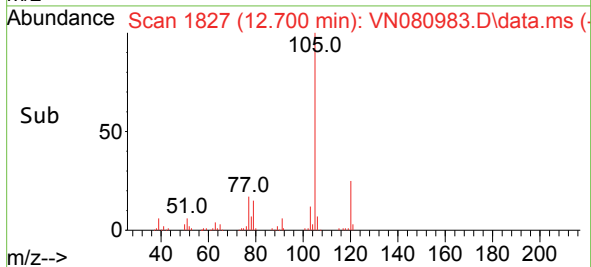
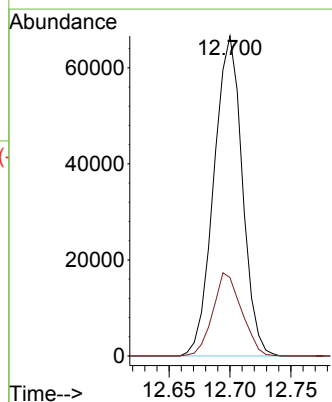
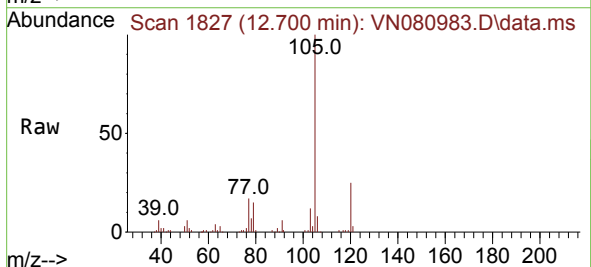
RT: 12.700 min Scan# 1827

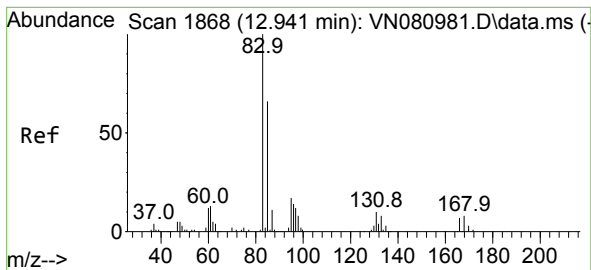
Delta R.T. 0.000 min

Lab File: VN080983.D

Acq: 09 Feb 2024 11:35

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:105 | Resp: | 108400      |
| Ion         | Ratio | Lower Upper |
| 105         | 100   |             |
| 120         | 26.2  | 17.8 33.1   |

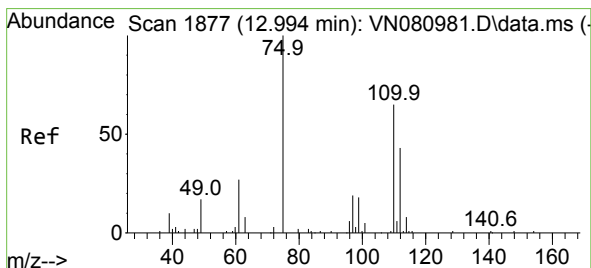
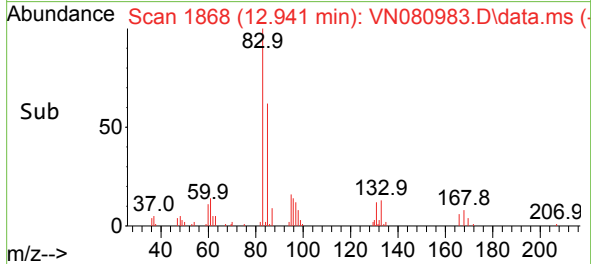
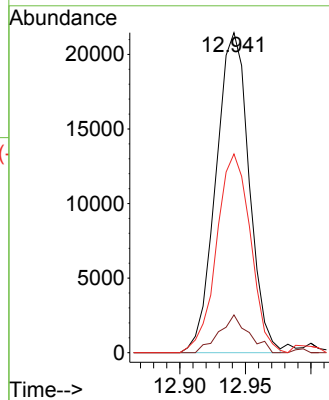
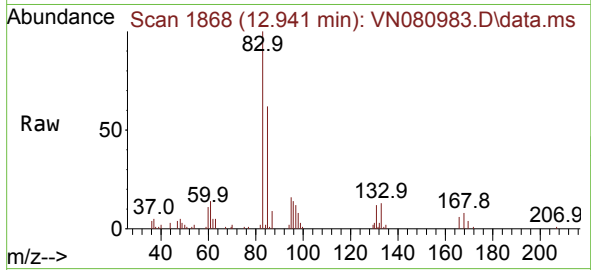




#71  
1,1,2,2-Tetrachloroethane  
Concen: 5.159 ug/l  
RT: 12.941 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

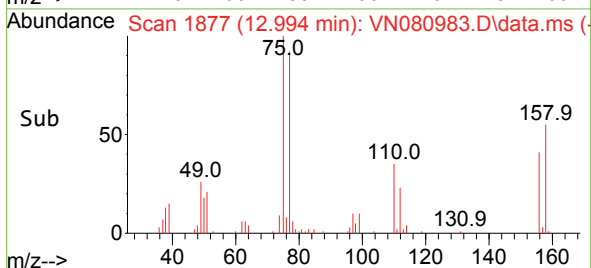
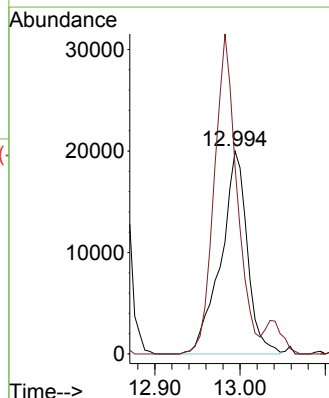
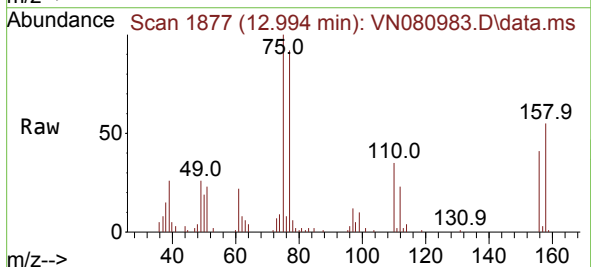
Instrument :  
MSVOA\_N  
ClientSampleId :

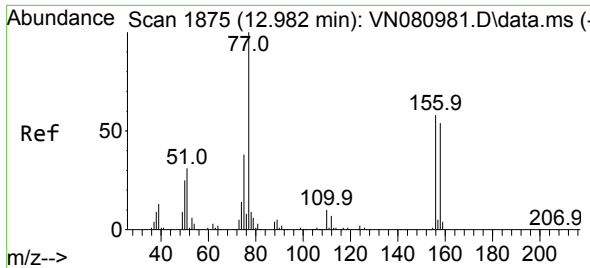
Tgt Ion: 83 Resp: 37740  
Ion Ratio Lower Upper  
83 100  
131 10.4 5.2 15.6  
85 63.4 32.3 96.8



#72  
1,2,3-Trichloropropane  
Concen: 7.719 ug/l  
RT: 12.994 min Scan# 1877  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Tgt Ion: 75 Resp: 43143  
Ion Ratio Lower Upper  
75 100  
77 136.1 0.0 367.6

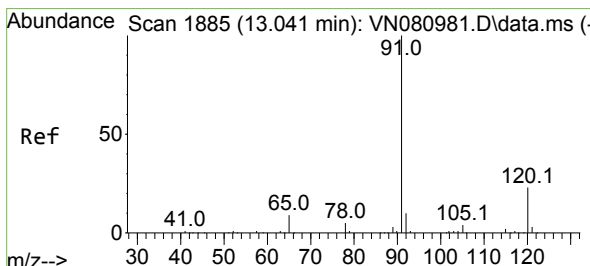
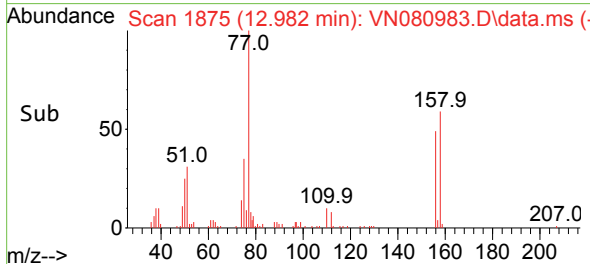
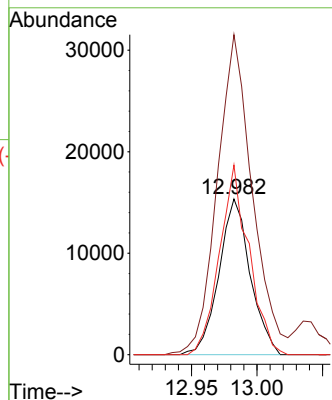
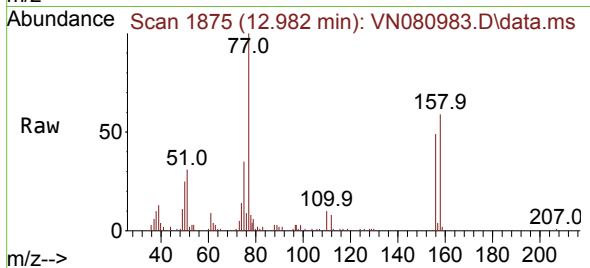




#73  
Bromobenzene  
Concen: 4.320 ug/l  
RT: 12.982 min Scan# 1875  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

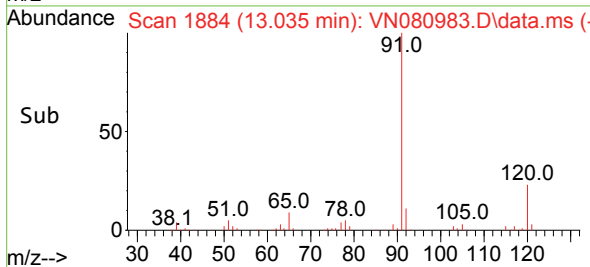
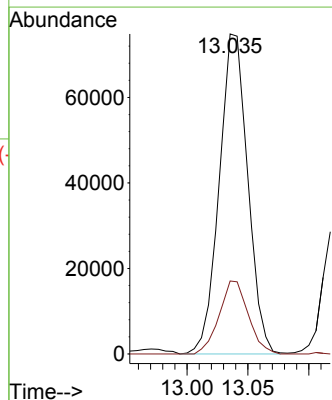
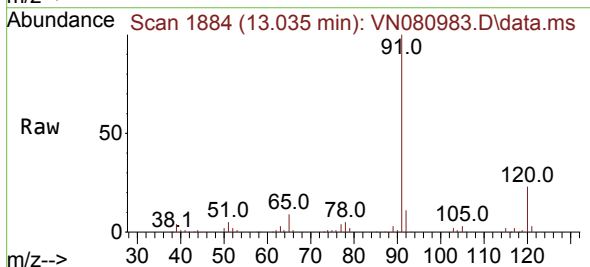
Instrument :  
MSVOA\_N  
ClientSampleId :

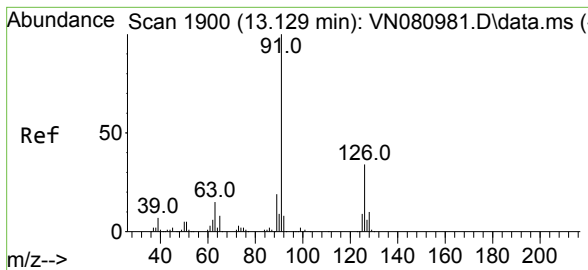
Tgt Ion:156 Resp: 25484  
Ion Ratio Lower Upper  
156 100  
77 230.5 0.0 437.6  
158 114.5 0.0 203.8



#74  
n-propylbenzene  
Concen: 4.532 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. -0.006 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Tgt Ion: 91 Resp: 122203  
Ion Ratio Lower Upper  
91 100  
120 23.2 0.0 43.8

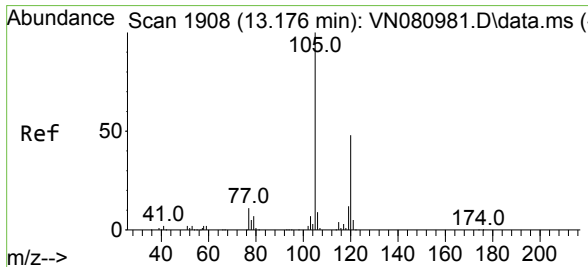
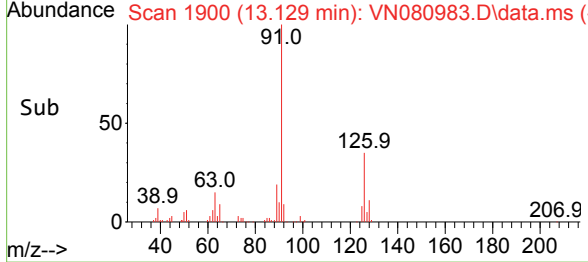
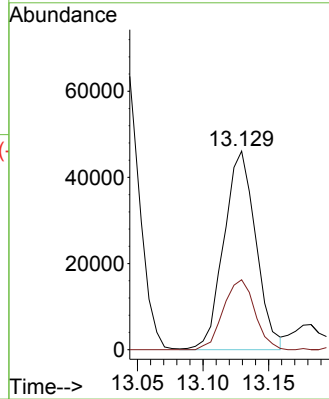
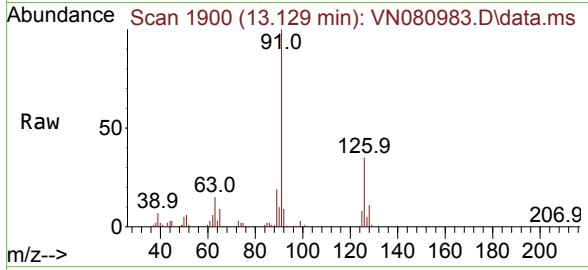




#75  
2-Chlorotoluene  
Concen: 4.678 ug/l  
RT: 13.129 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

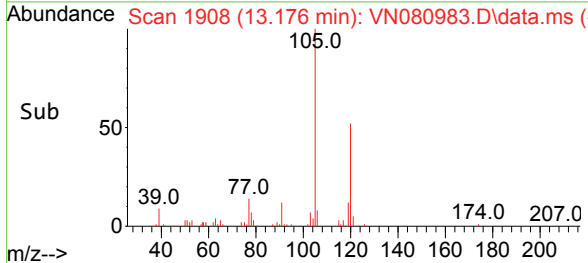
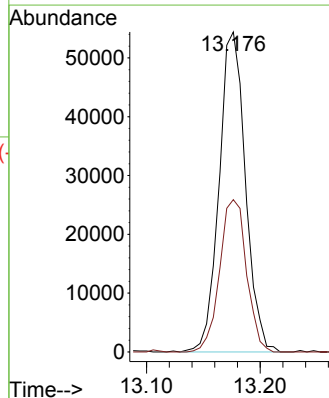
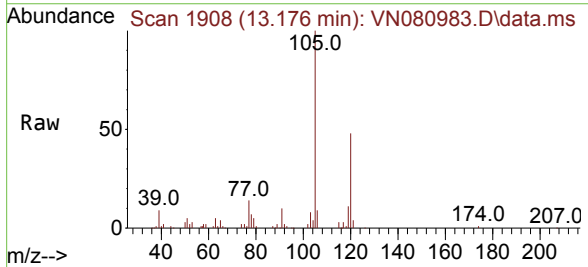
Instrument :  
MSVOA\_N  
ClientSampleId :

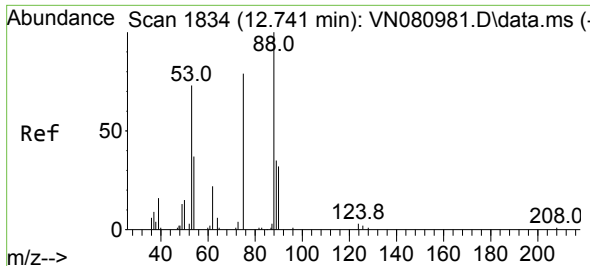
Tgt Ion: 91 Resp: 78306  
Ion Ratio Lower Upper  
91 100  
126 34.6 0.0 61.2



#76  
1,3,5-Trimethylbenzene  
Concen: 4.511 ug/l  
RT: 13.176 min Scan# 1908  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Tgt Ion: 105 Resp: 87562  
Ion Ratio Lower Upper  
105 100  
120 48.6 0.0 95.8

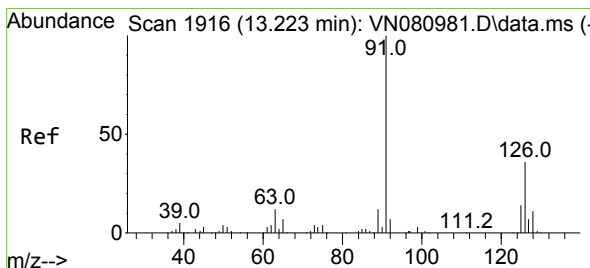
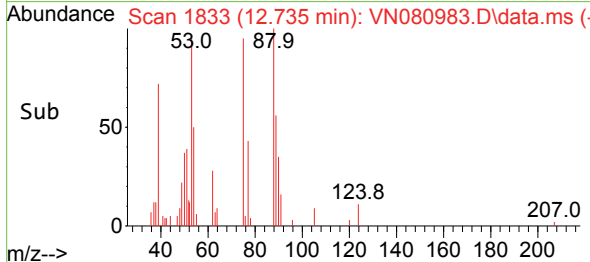
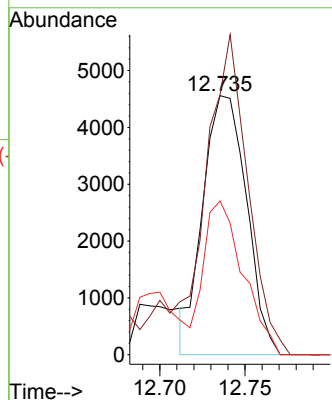
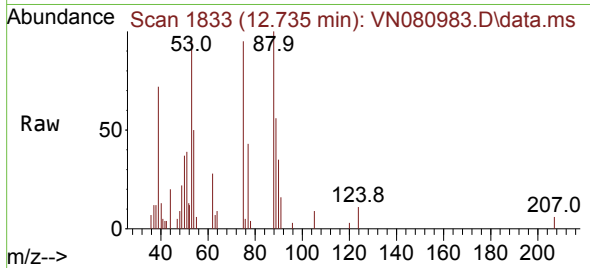




#77  
t-1,4-Dichloro-2-butene  
Concen: 3.765 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. -0.006 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

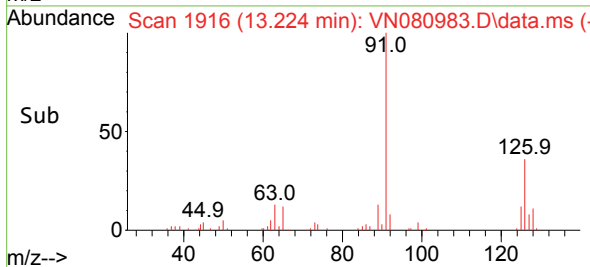
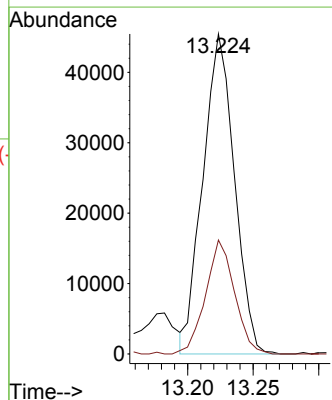
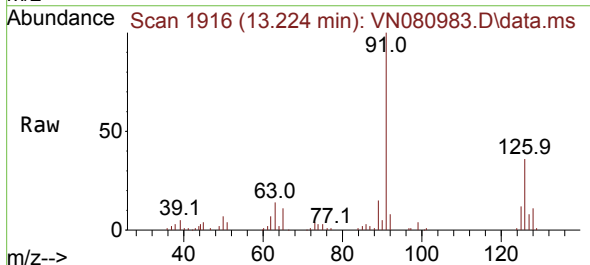
Instrument :  
MSVOA\_N  
ClientSampleId :

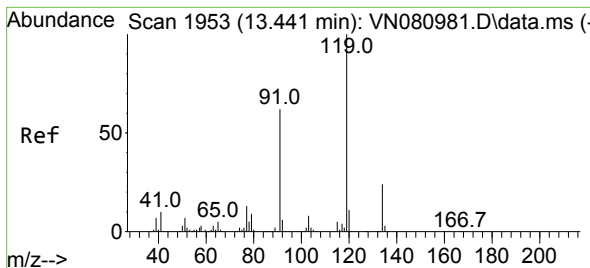
Tgt Ion: 75 Resp: 8088  
Ion Ratio Lower Upper  
75 100  
53 94.7 45.9 137.7  
89 59.3 25.9 77.7



#78  
4-Chlorotoluene  
Concen: 4.535 ug/l  
RT: 13.224 min Scan# 1916  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Tgt Ion: 91 Resp: 76033  
Ion Ratio Lower Upper  
91 100  
126 32.7 0.0 62.8





#79

tert-butylbenzene

Concen: 4.340 ug/l

RT: 13.441 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VN080983.D

Acq: 09 Feb 2024 11:35

Instrument :

MSVOA\_N

ClientSampleId :

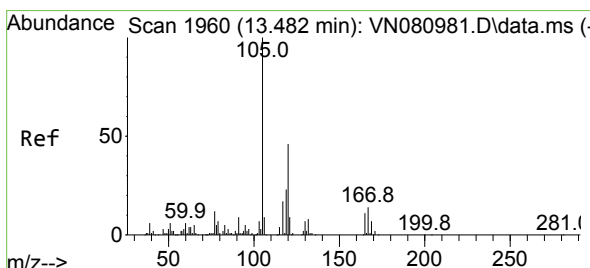
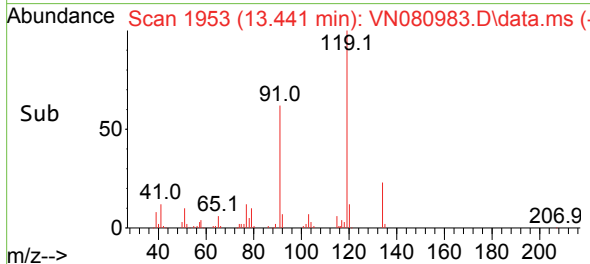
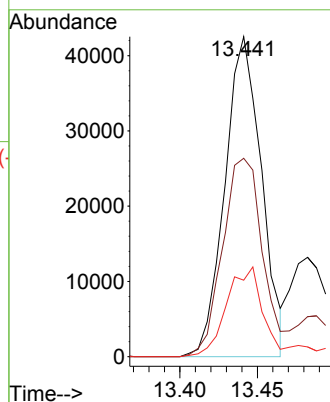
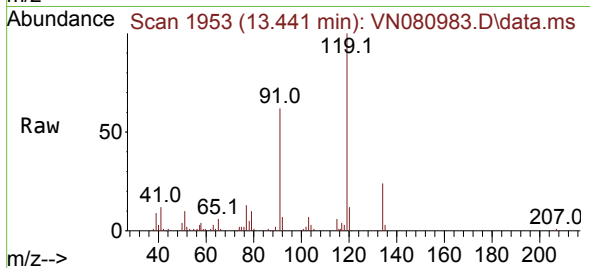
Tgt Ion:119 Resp: 69931

Ion Ratio Lower Upper

119 100

91 66.9 0.0 138.8

134 27.2 0.0 48.6



#80

1,2,4-Trimethylbenzene

Concen: 4.398 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN080983.D

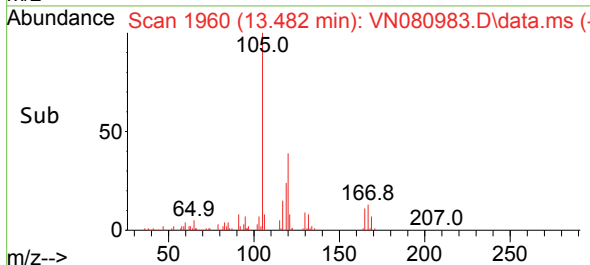
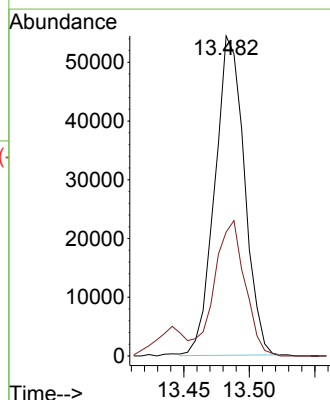
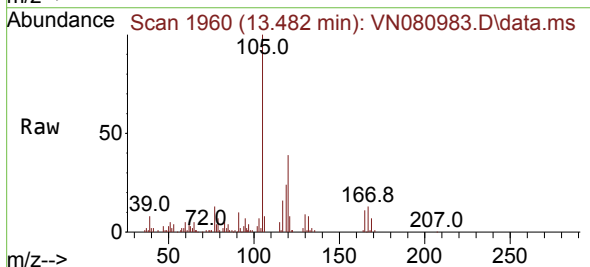
Acq: 09 Feb 2024 11:35

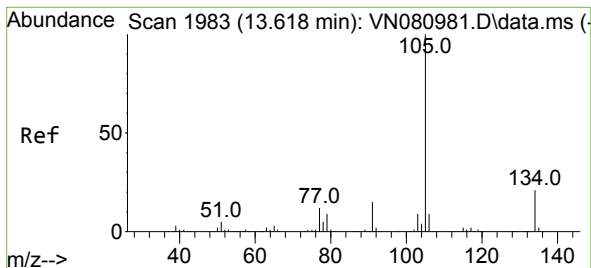
Tgt Ion:105 Resp: 85052

Ion Ratio Lower Upper

105 100

120 44.1 0.0 86.8





#81

sec-Butylbenzene

Concen: 4.406 ug/l

RT: 13.618 min Scan# 1983

Delta R.T. 0.000 min

Lab File: VN080983.D

Acq: 09 Feb 2024 11:35

Instrument :

MSVOA\_N

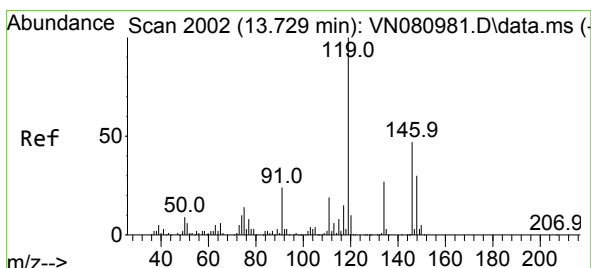
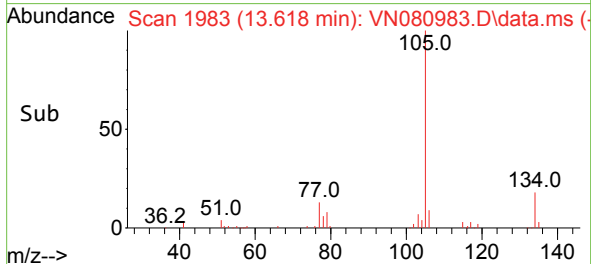
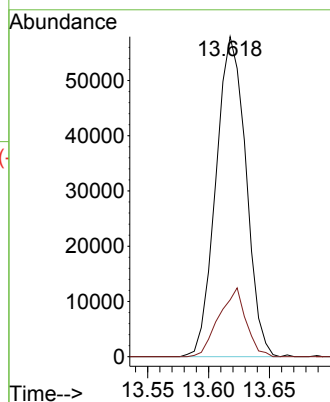
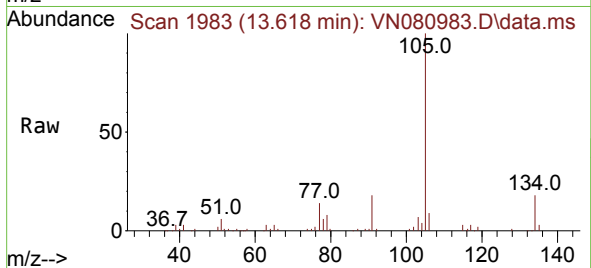
ClientSampleId :

Tgt Ion:105 Resp: 99418

Ion Ratio Lower Upper

105 100

134 19.4 0.0 39.0



#82

p-Isopropyltoluene

Concen: 4.335 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN080983.D

Acq: 09 Feb 2024 11:35

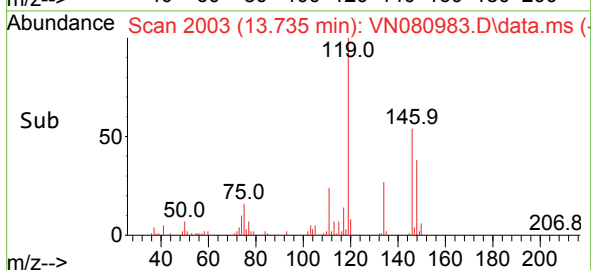
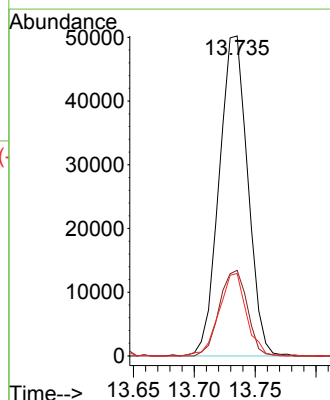
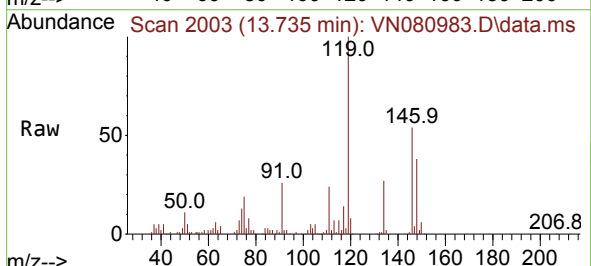
Tgt Ion:119 Resp: 82117

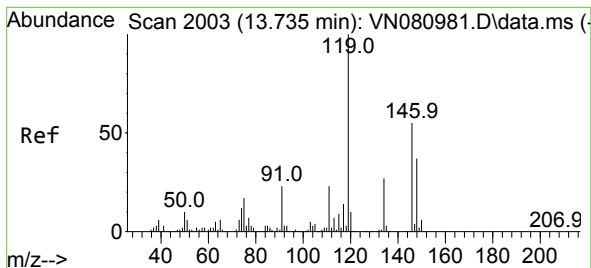
Ion Ratio Lower Upper

119 100

134 26.1 0.0 49.2

91 24.7 0.0 48.8





#83

1,3-Dichlorobenzene

Concen: 4.505 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN080983.D

Acq: 09 Feb 2024 11:35

Instrument :

MSVOA\_N

ClientSampleId :

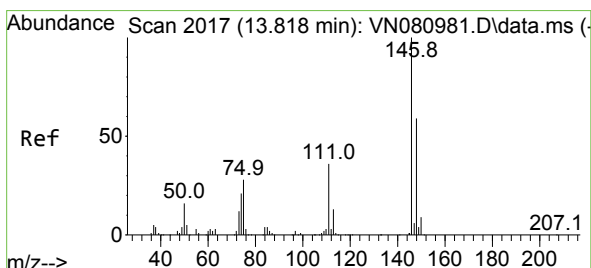
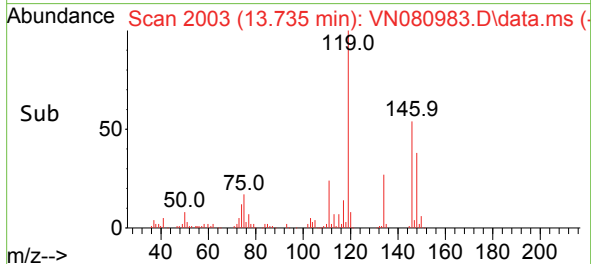
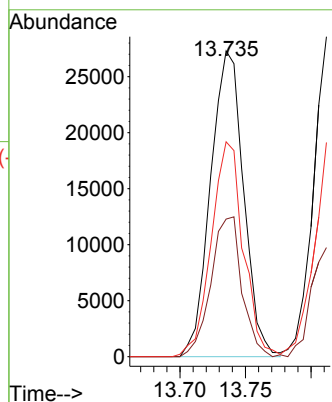
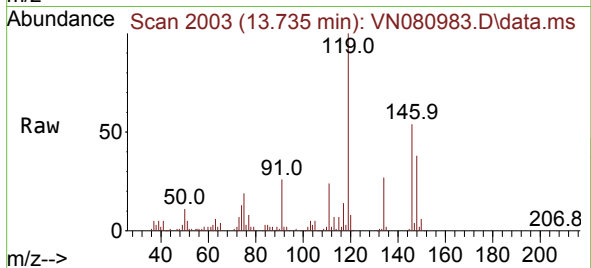
Tgt Ion:146 Resp: 47801

Ion Ratio Lower Upper

146 100

111 43.0 22.4 67.0

148 68.0 32.1 96.5



#84

1,4-Dichlorobenzene

Concen: 4.555 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. -0.006 min

Lab File: VN080983.D

Acq: 09 Feb 2024 11:35

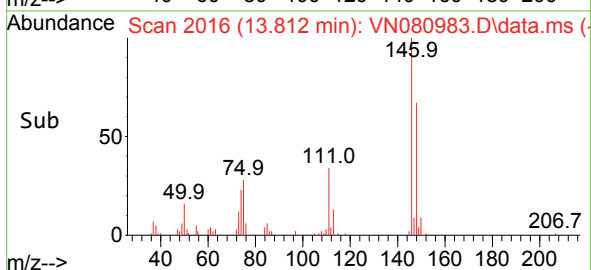
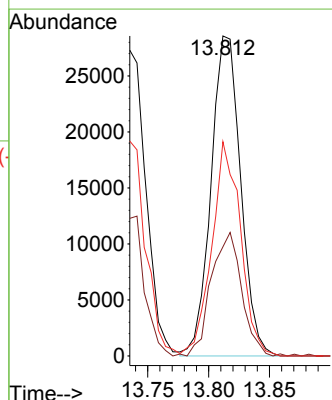
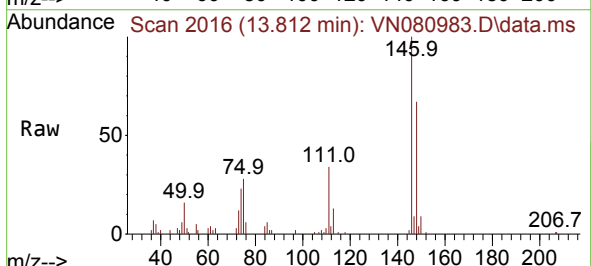
Tgt Ion:146 Resp: 48517

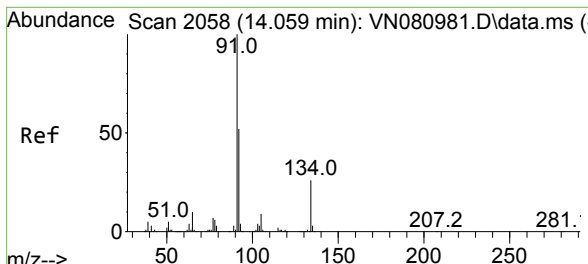
Ion Ratio Lower Upper

146 100

111 39.5 21.3 63.9

148 64.8 31.9 95.5

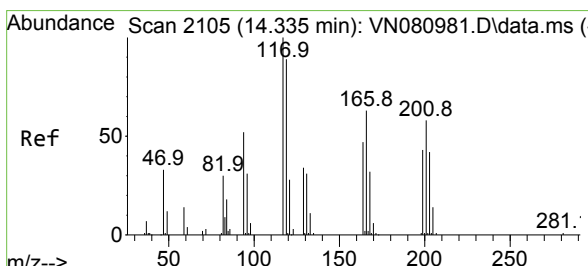
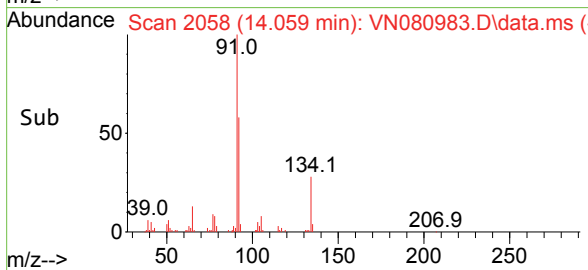
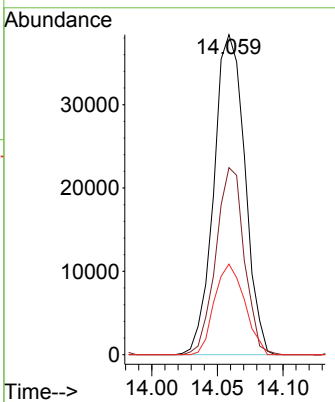
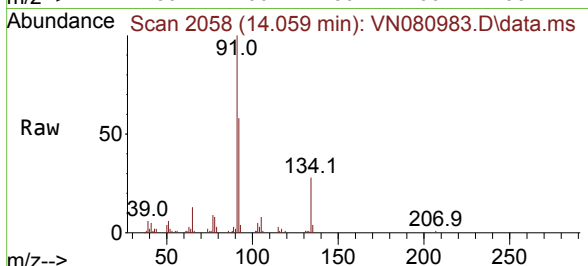




#85  
 n-Butylbenzene  
 Concen: 4.041 ug/l  
 RT: 14.059 min Scan# 2058  
 Delta R.T. 0.000 min  
 Lab File: VN080983.D  
 Acq: 09 Feb 2024 11:35

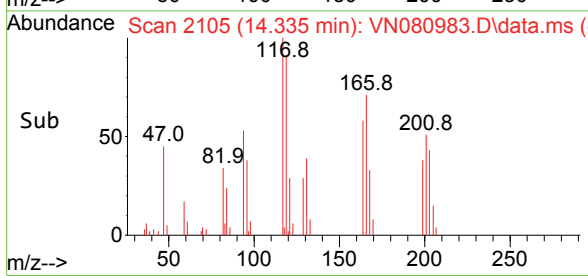
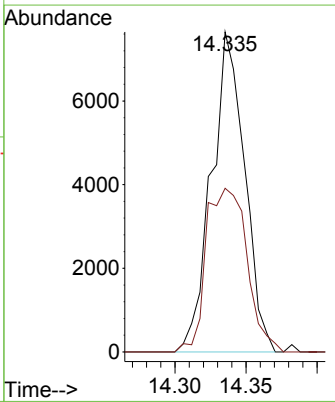
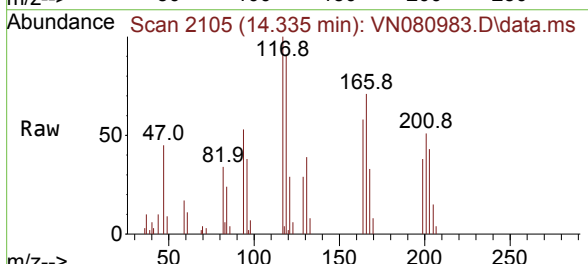
Instrument :  
 MSVOA\_N  
 ClientSampleId :

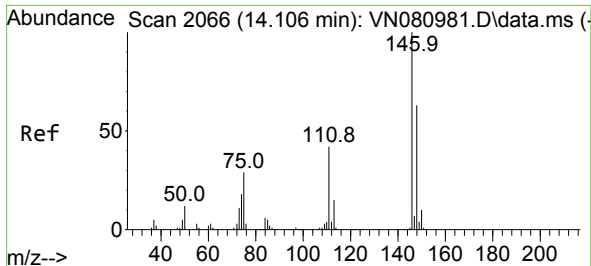
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 63160 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 53.7  | 0.0   | 105.0 |
| 134      | 27.6  | 0.0   | 51.8  |



#86  
 Hexachloroethane  
 Concen: 4.162 ug/l  
 RT: 14.335 min Scan# 2105  
 Delta R.T. 0.000 min  
 Lab File: VN080983.D  
 Acq: 09 Feb 2024 11:35

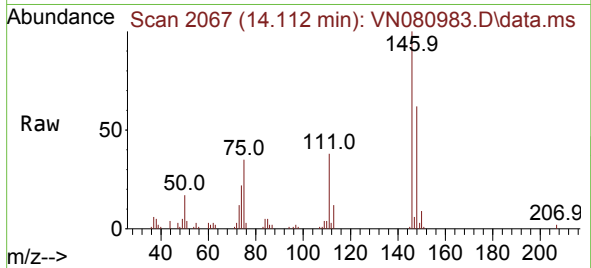
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 12436  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 201      | 23.4  | 38.0  | 114.0# |



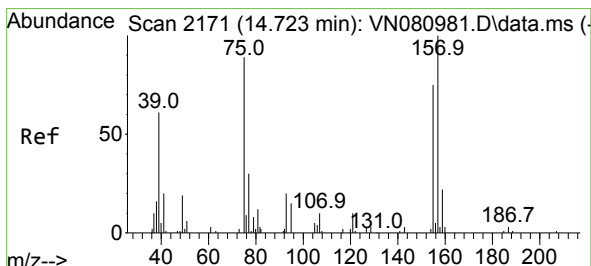
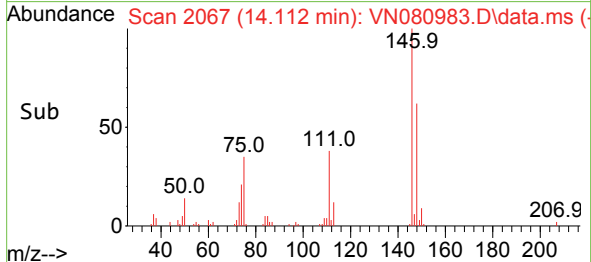
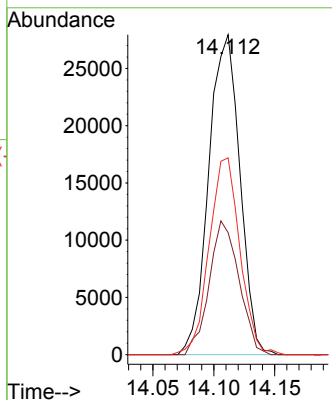


#87  
1,2-Dichlorobenzene  
Concen: 4.817 ug/l  
RT: 14.112 min Scan# 2067  
Delta R.T. 0.006 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Instrument :  
MSVOA\_N  
ClientSampleId :

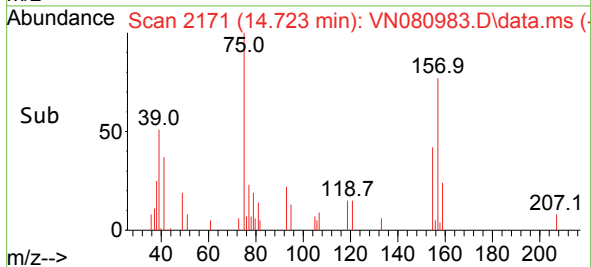
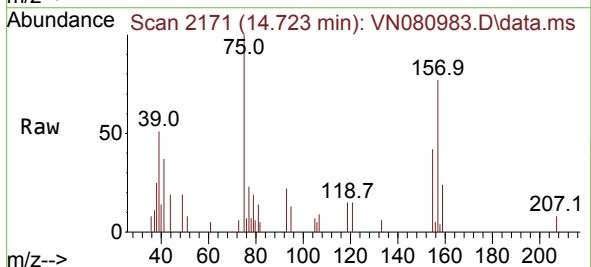
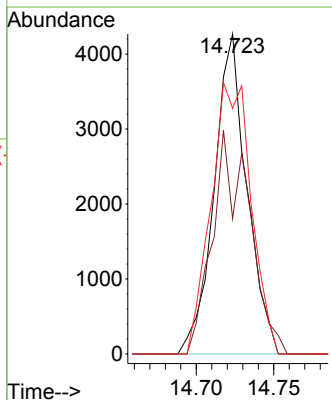


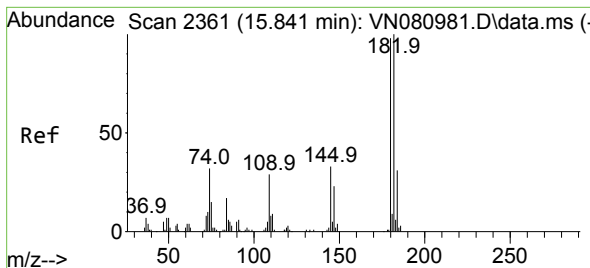
Tgt Ion:146 Resp: 49759  
Ion Ratio Lower Upper  
146 100  
111 40.1 22.6 67.8  
148 60.4 31.3 93.8



#88  
1,2-Dibromo-3-Chloropropane  
Concen: 4.739 ug/l  
RT: 14.723 min Scan# 2171  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Tgt Ion: 75 Resp: 6257  
Ion Ratio Lower Upper  
75 100  
155 44.7 61.7 92.5#  
157 103.9 83.6 125.4





#89

1,2,4-Trichlorobenzene

Concen: 4.144 ug/l

RT: 15.841 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN080983.D

Acq: 09 Feb 2024 11:35

Instrument :

MSVOA\_N

ClientSampleId :

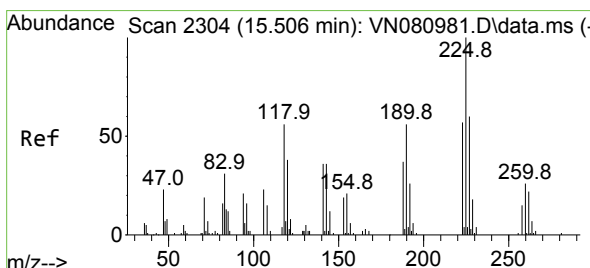
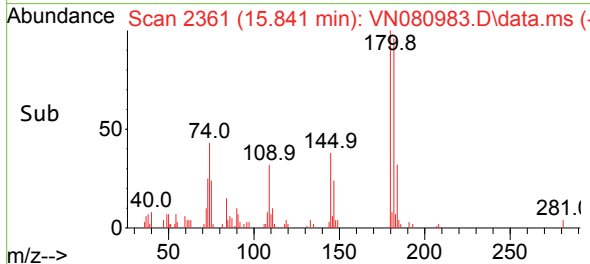
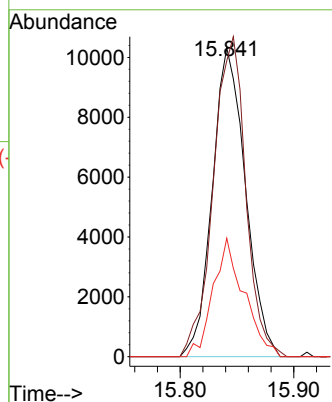
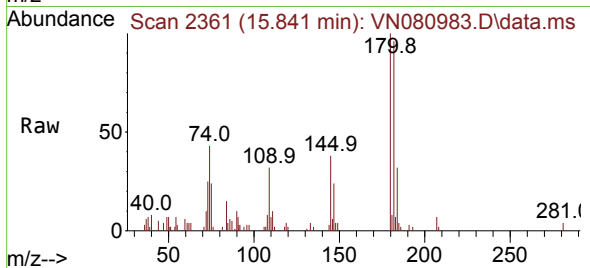
Tgt Ion:180 Resp: 20944

Ion Ratio Lower Upper

180 100

182 101.2 76.4 114.6

145 35.8 28.4 42.6



#90

Hexachlorobutadiene

Concen: 4.719 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. 0.000 min

Lab File: VN080983.D

Acq: 09 Feb 2024 11:35

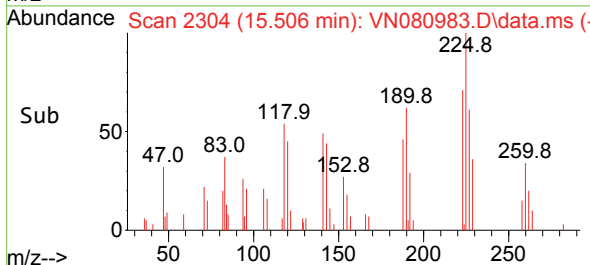
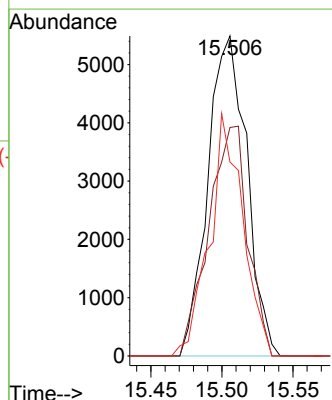
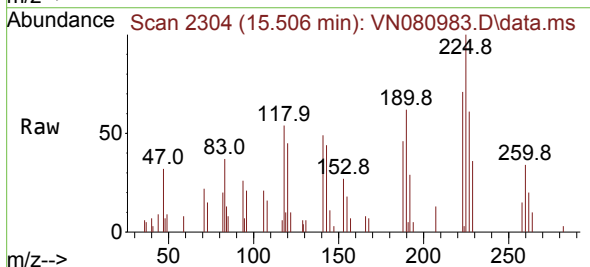
Tgt Ion:225 Resp: 10463

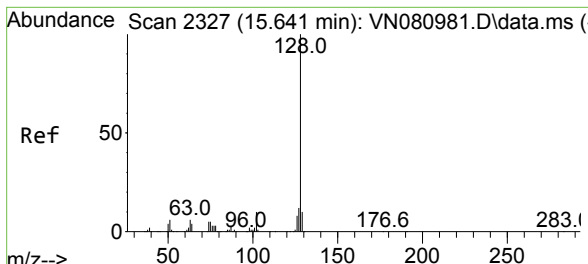
Ion Ratio Lower Upper

225 100

223 72.4 0.0 126.6

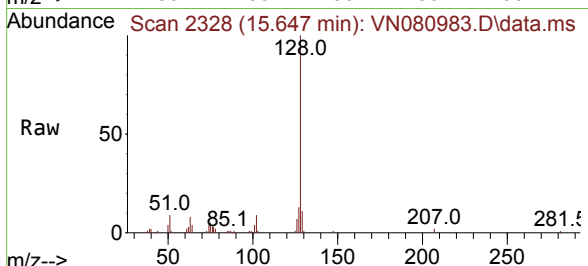
227 64.7 0.0 126.6



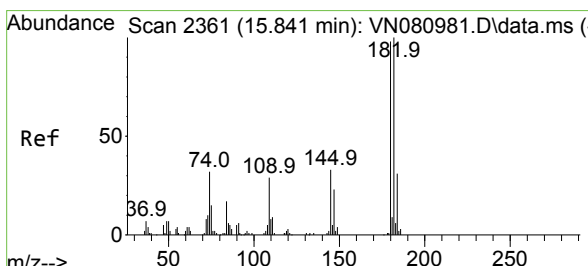
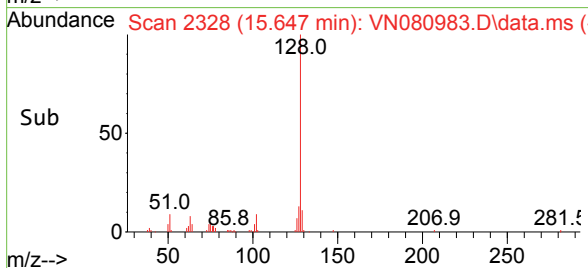
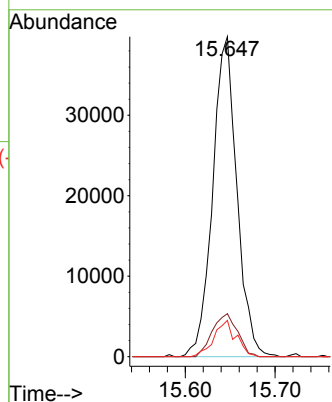


#91  
Naphthalene  
Concen: 4.155 ug/l  
RT: 15.647 min Scan# 2327  
Delta R.T. 0.006 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

Instrument :  
MSVOA\_N  
ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 74564 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 14.0  | 10.6  | 16.0  |
| 129       | 10.3  | 8.6   | 13.0  |



#92  
1,2,3-Trichlorobenzene  
Concen: 4.144 ug/l  
RT: 15.841 min Scan# 2361  
Delta R.T. 0.000 min  
Lab File: VN080983.D  
Acq: 09 Feb 2024 11:35

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 20944 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 101.2 | 0.0   | 191.0 |
| 145       | 35.8  | 0.0   | 71.0  |

