

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051624\  
 Data File : VN082176.D  
 Acq On : 16 May 2024 20:54  
 Operator : JC\MD  
 Sample : VSTDC0050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: May 17 05:09:08 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 17 04:08:43 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 190224   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 328153   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 294268   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 138397   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 154049   | 51.287   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 102.580% |      |
| 35) Dibromofluoromethane    | 8.165  | 113   | 104876   | 51.954   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 103.900% |      |
| 50) Toluene-d8              | 10.565 | 98    | 392775   | 50.750   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 101.500% |      |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 141483   | 51.218   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | = 102.440% |      |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         | Qvalue  |        |     |
| 2) Dichlorodifluoromethane   | 2.124 | 85  | 132346  | 48.256  | ug/l   | 98  |
| 3) Chloromethane             | 2.365 | 50  | 148576  | 47.802  | ug/l   | 98  |
| 4) Vinyl Chloride            | 2.518 | 62  | 143117  | 48.979  | ug/l   | 99  |
| 5) Bromomethane              | 2.948 | 94  | 65927   | 39.253  | ug/l   | 95  |
| 6) Chloroethane              | 3.118 | 64  | 94266   | 49.407  | ug/l   | 99  |
| 7) Trichlorofluoromethane    | 3.500 | 101 | 188200  | 49.187  | ug/l   | 100 |
| 8) Diethyl Ether             | 3.959 | 74  | 73368   | 53.826  | ug/l   | 73  |
| 9) 1,1,2-Trichlorotrifluo... | 4.377 | 101 | 104696  | 46.841  | ug/l   | 99  |
| 10) Methyl Iodide            | 4.589 | 142 | 93024   | 41.400  | ug/l   | 95  |
| 11) Tert butyl alcohol       | 5.518 | 59  | 125577  | 260.448 | ug/l   | 99  |
| 12) 1,1-Dichloroethene       | 4.348 | 96  | 102775  | 49.471  | ug/l # | 79  |
| 13) Acrolein                 | 4.177 | 56  | 98107   | 274.581 | ug/l   | 97  |
| 14) Allyl chloride           | 5.024 | 41  | 216366  | 48.645  | ug/l # | 91  |
| 15) Acrylonitrile            | 5.718 | 53  | 331191  | 265.222 | ug/l   | 99  |
| 16) Acetone                  | 4.424 | 43  | 293578  | 238.262 | ug/l   | 92  |
| 17) Carbon Disulfide         | 4.712 | 76  | 306813  | 45.726  | ug/l   | 97  |
| 18) Methyl Acetate           | 5.024 | 43  | 157813  | 51.429  | ug/l # | 84  |
| 19) Methyl tert-butyl Ether  | 5.794 | 73  | 401416  | 52.862  | ug/l   | 93  |
| 20) Methylene Chloride       | 5.277 | 84  | 123644  | 49.736  | ug/l # | 78  |
| 21) trans-1,2-Dichloroethene | 5.789 | 96  | 108815  | 48.065  | ug/l # | 74  |
| 22) Diisopropyl ether        | 6.671 | 45  | 486605  | 52.392  | ug/l # | 93  |
| 23) Vinyl Acetate            | 6.606 | 43  | 1997160 | 272.735 | ug/l # | 89  |
| 24) 1,1-Dichloroethane       | 6.565 | 63  | 239316  | 49.991  | ug/l   | 98  |
| 25) 2-Butanone               | 7.483 | 43  | 477345  | 255.516 | ug/l # | 83  |
| 26) 2,2-Dichloropropane      | 7.494 | 77  | 186160  | 46.427  | ug/l   | 98  |
| 27) cis-1,2-Dichloroethene   | 7.488 | 96  | 135953  | 50.885  | ug/l   | 80  |
| 28) Bromochloromethane       | 7.812 | 49  | 106909  | 47.923  | ug/l # | 74  |
| 29) Tetrahydrofuran          | 7.841 | 42  | 323320  | 269.555 | ug/l # | 82  |
| 30) Chloroform               | 7.965 | 83  | 234736  | 51.348  | ug/l   | 99  |
| 31) Cyclohexane              | 8.259 | 56  | 215167  | 44.851  | ug/l   | 85  |
| 32) 1,1,1-Trichloroethane    | 8.171 | 97  | 202844  | 50.015  | ug/l # | 93  |
| 36) 1,1-Dichloropropene      | 8.371 | 75  | 162831  | 48.095  | ug/l   | 96  |
| 37) Ethyl Acetate            | 7.565 | 43  | 205357  | 54.200  | ug/l # | 94  |
| 38) Carbon Tetrachloride     | 8.365 | 117 | 169670  | 49.438  | ug/l   | 99  |
| 39) Methylcyclohexane        | 9.600 | 83  | 183557  | 49.462  | ug/l # | 87  |
| 40) Benzene                  | 8.606 | 78  | 513601  | 50.873  | ug/l   | 97  |

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 Acq On : 16 May 2024 20:54  
 Operator : JC\MD  
 Sample : VSTDC0050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: May 17 05:09:08 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 17 04:08:43 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.777  | 41   | 116395   | 52.235   | ug/l # | 85       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 200548   | 51.649   | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 534794   | 79.658   | ug/l # | 77       |
| 44) Trichloroethene           | 9.353  | 130  | 109169   | 47.603   | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 134077   | 51.472   | ug/l   | 99       |
| 46) Dibromomethane            | 9.712  | 93   | 88662    | 51.844   | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.888  | 83   | 188795   | 52.293   | ug/l # | 98       |
| 48) Methyl methacrylate       | 9.682  | 41   | 169518   | 52.990   | ug/l # | 82       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 49642    | 1107.399 | ug/l # | 81       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 1045658  | 274.128  | ug/l   | 89       |
| 52) Toluene                   | 10.629 | 92   | 313134   | 51.684   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 197594   | 52.919   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 208199   | 52.677   | ug/l # | 80       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 116548   | 52.935   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.876 | 69   | 208926   | 55.891   | ug/l # | 70       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 210728   | 51.189   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 501755   | 260.232  | ug/l   | 90       |
| 59) 2-Hexanone                | 11.194 | 43   | 768119   | 275.017  | ug/l   | 89       |
| 60) Dibromochloromethane      | 11.359 | 129  | 134365   | 55.300   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 115960   | 51.277   | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.106 | 164  | 94386    | 43.274   | ug/l   | 94       |
| 65) Chlorobenzene             | 11.894 | 112  | 324175   | 49.867   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 114192   | 53.328   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.965 | 91   | 597120   | 51.347   | ug/l   | 97       |
| 68) m/p-Xylenes               | 12.071 | 106  | 446076   | 104.661  | ug/l   | 93       |
| 69) o-Xylene                  | 12.400 | 106  | 215747   | 52.257   | ug/l   | 92       |
| 70) Styrene                   | 12.412 | 104  | 373508   | 54.466   | ug/l   | 96       |
| 71) Bromoform                 | 12.582 | 173  | 88698    | 57.674   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.694 | 105  | 556302   | 50.597   | ug/l   | 98       |
| 74) N-amyl acetate            | 12.494 | 43   | 327533   | 54.157   | ug/l # | 87       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 166137   | 52.419   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 228474   | 78.434   | ug/l   | 65       |
| 77) Bromobenzene              | 12.982 | 156  | 130507   | 49.808   | ug/l   | 86       |
| 78) n-propylbenzene           | 13.035 | 91   | 671829   | 51.601   | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 404525   | 49.479   | ug/l   | 93       |
| 80) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 466813   | 52.508   | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 62800    | 50.426   | ug/l # | 73       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 401567   | 50.237   | ug/l   | 95       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 399326   | 51.342   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 478042   | 52.557   | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.617 | 105  | 558092   | 51.768   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 464560   | 53.023   | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 237944   | 50.125   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 237930   | 49.109   | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.059 | 91   | 408521   | 51.877   | ug/l   | 98       |
| 90) Hexachloroethane          | 14.335 | 117  | 85065    | 52.403   | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 230801   | 51.364   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 35797    | 54.972   | ug/l   | 86       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 125772   | 49.935   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 51443    | 46.546   | ug/l   | 98       |
| 95) Naphthalene               | 15.641 | 128  | 426516   | 54.035   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 128652   | 51.023   | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051624\  
Data File : VN082176.D  
Acq On : 16 May 2024 20:54  
Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 30 Sample Multiplier: 1

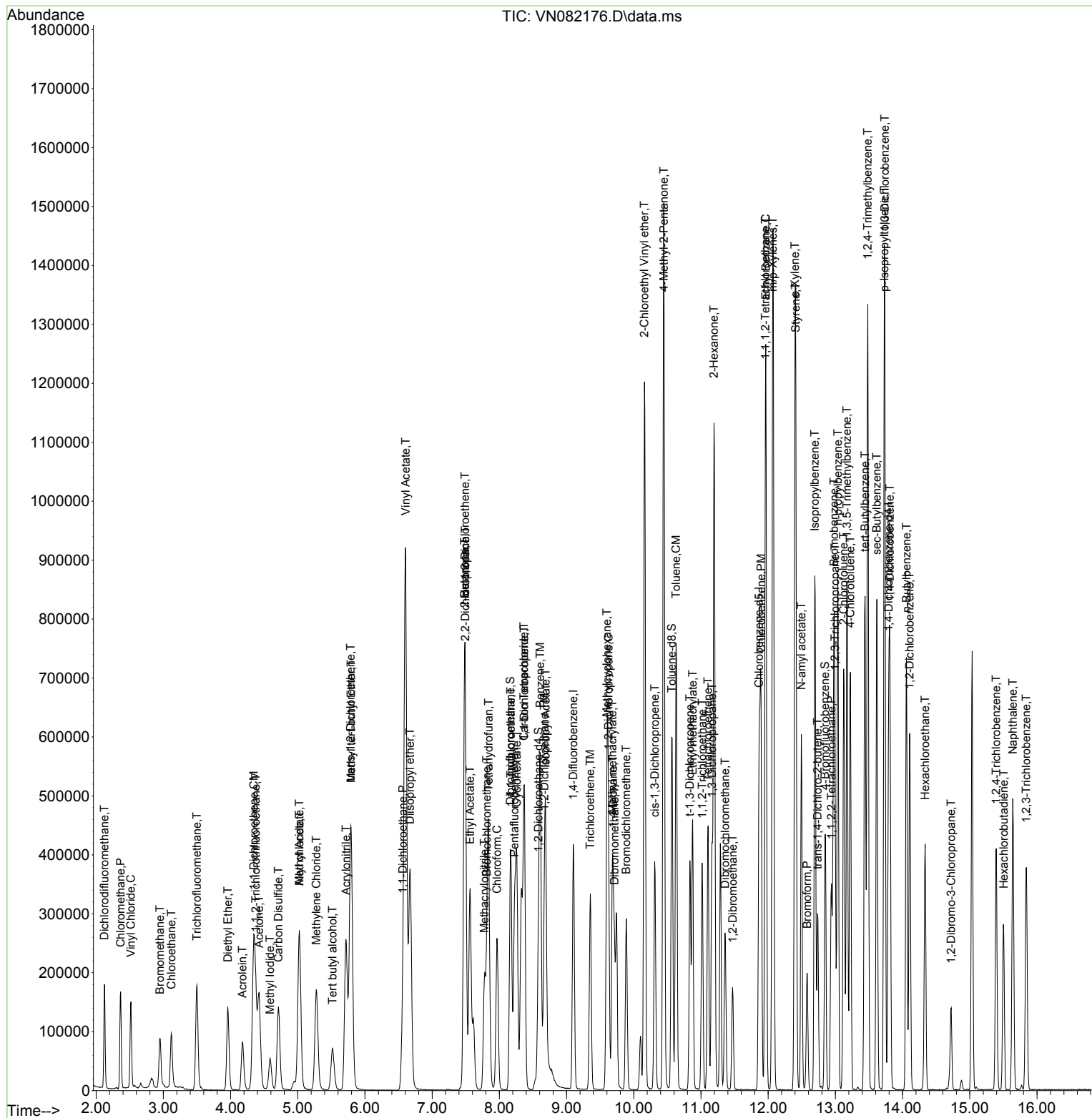
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

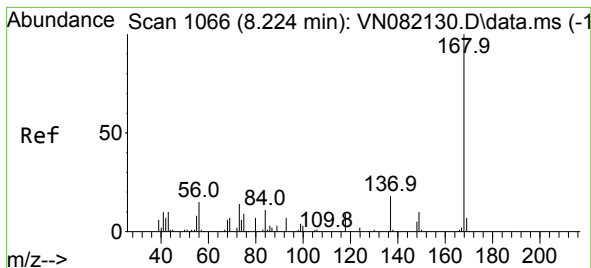
Quant Time: May 17 05:09:08 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 17 04:08:43 2024  
Response via : Initial Calibration

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

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

Quant Time: May 17 05:09:08 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 17 04:08:43 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN082176.D

Acq: 16 May 2024 20:54

Instrument :

MSVOA\_N

ClientSampleId :

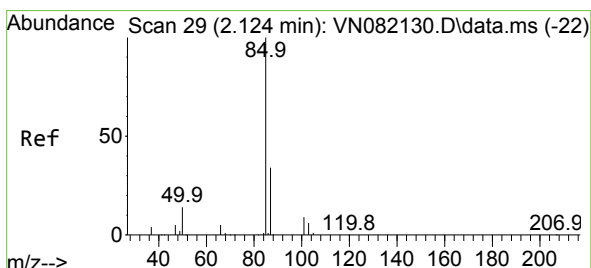
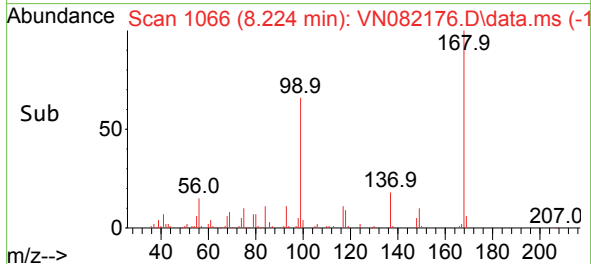
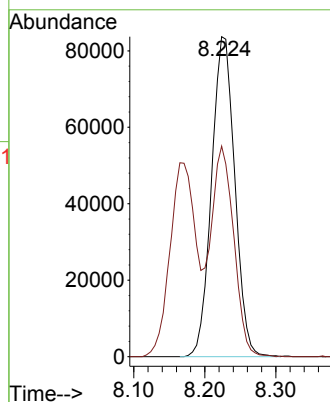
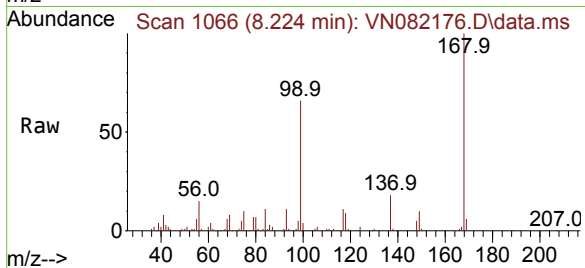
VSTDCCC050EC

Tgt Ion:168 Resp: 190224

Ion Ratio Lower Upper

168 100

99 65.6 48.2 72.4



#2

Dichlorodifluoromethane

Concen: 48.256 ug/l

RT: 2.124 min Scan# 29

Delta R.T. -0.000 min

Lab File: VN082176.D

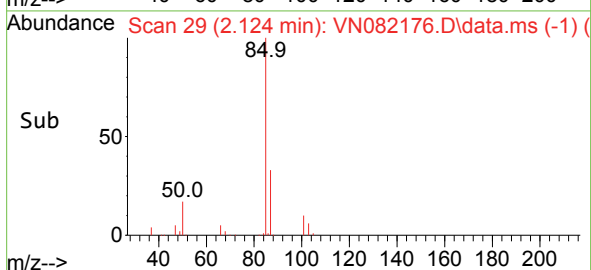
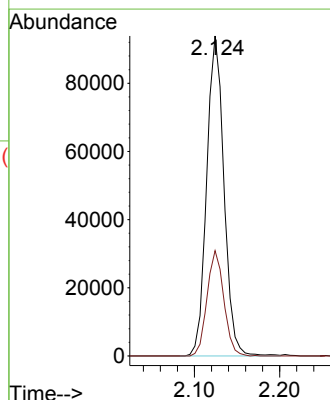
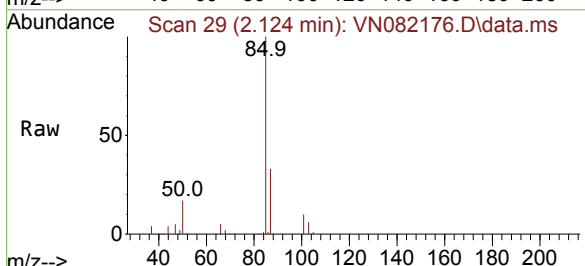
Acq: 16 May 2024 20:54

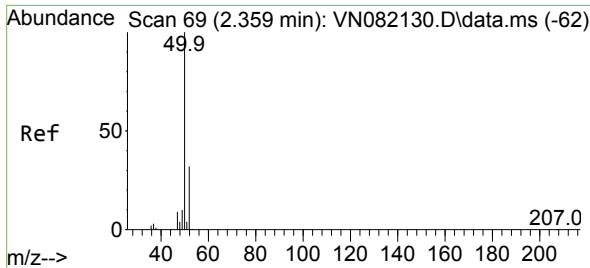
Tgt Ion: 85 Resp: 132346

Ion Ratio Lower Upper

85 100

87 32.9 15.8 47.4

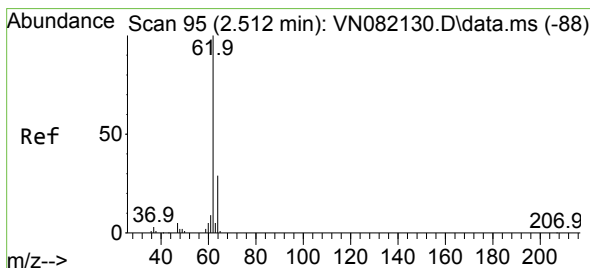
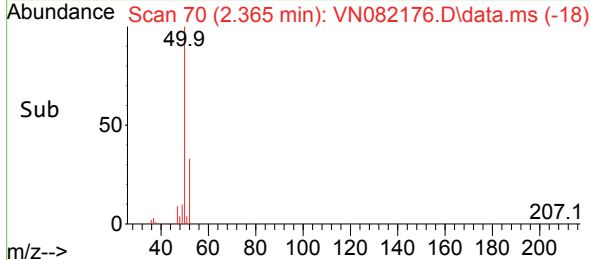
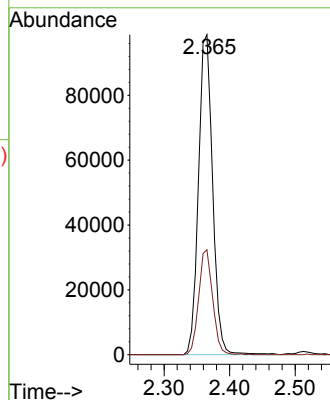
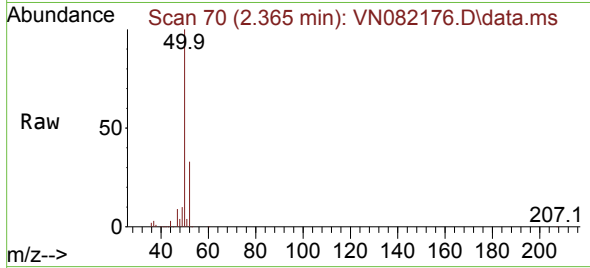




#3  
Chloromethane  
Concen: 47.802 ug/l  
RT: 2.365 min Scan# 70  
Delta R.T. 0.006 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

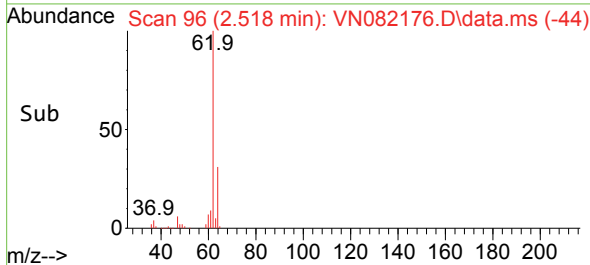
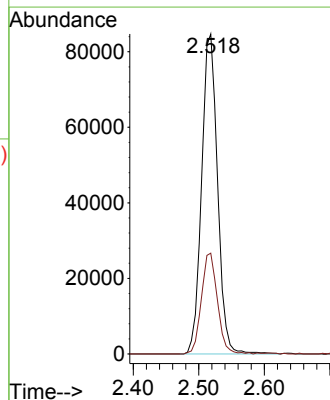
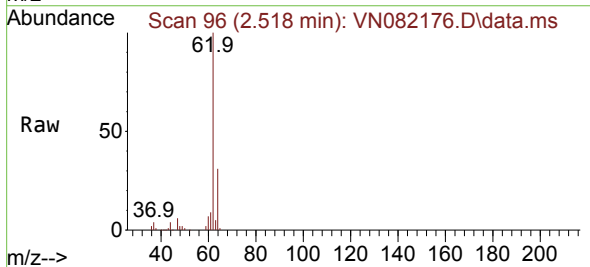
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 50 Resp: 148576  
Ion Ratio Lower Upper  
50 100  
52 32.8 25.5 38.3



#4  
Vinyl Chloride  
Concen: 48.979 ug/l  
RT: 2.518 min Scan# 96  
Delta R.T. 0.006 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion: 62 Resp: 143117  
Ion Ratio Lower Upper  
62 100  
64 31.5 24.6 37.0

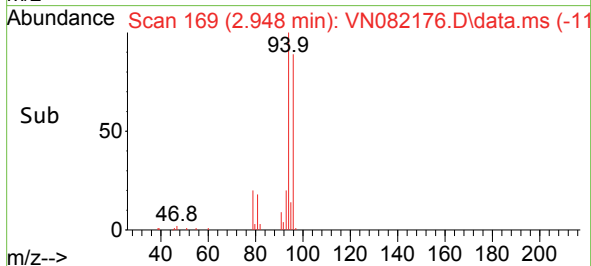
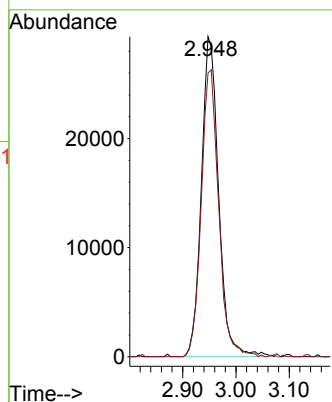
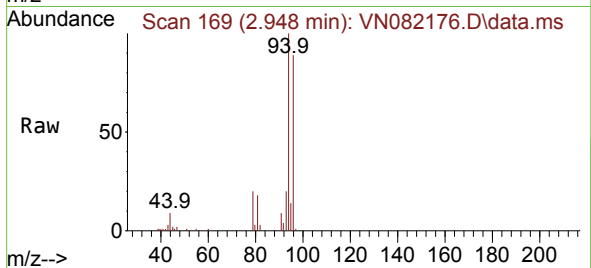




#5  
Bromomethane  
Concen: 39.253 ug/l  
RT: 2.948 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

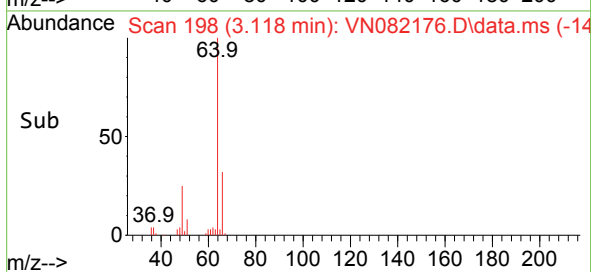
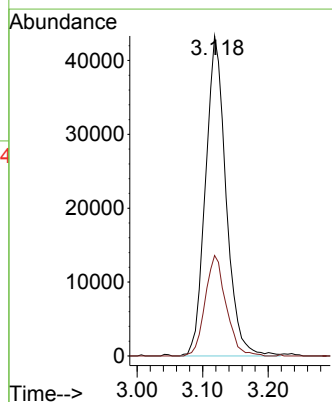
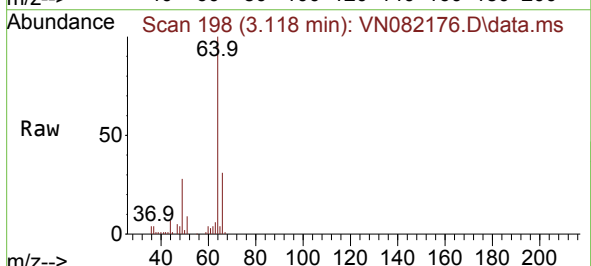
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

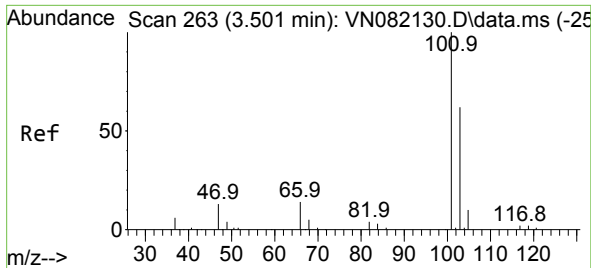
Tgt Ion: 94 Resp: 65927  
Ion Ratio Lower Upper  
94 100  
96 88.6 74.8 112.2



#6  
Chloroethane  
Concen: 49.407 ug/l  
RT: 3.118 min Scan# 198  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion: 64 Resp: 94266  
Ion Ratio Lower Upper  
64 100  
66 31.4 24.7 37.1

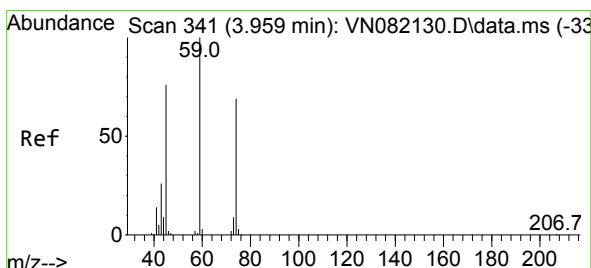
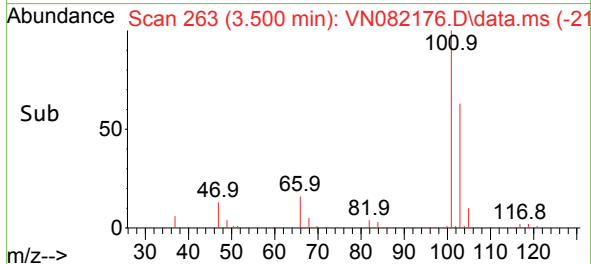
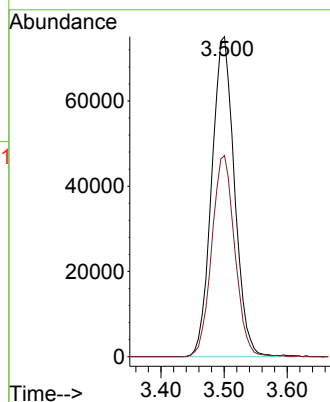
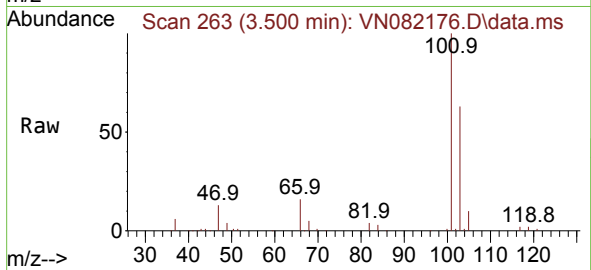




#7  
Trichlorofluoromethane  
Concen: 49.187 ug/l  
RT: 3.500 min Scan# 210  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

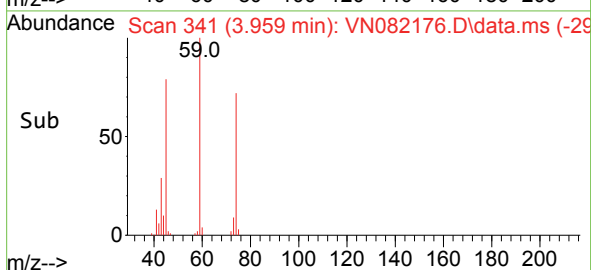
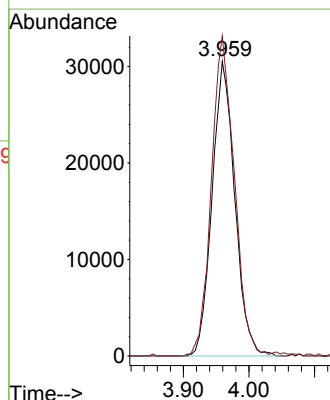
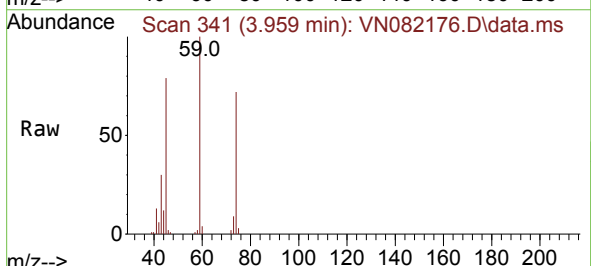
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

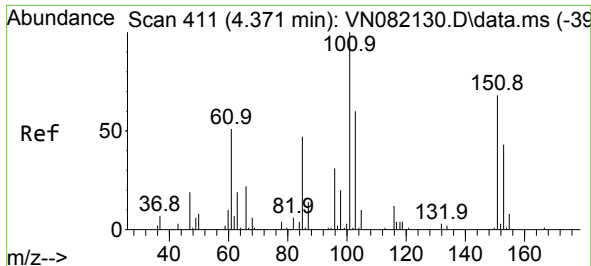
Tgt Ion:101 Resp: 188200  
Ion Ratio Lower Upper  
101 100  
103 62.8 50.6 75.8



#8  
Diethyl Ether  
Concen: 53.826 ug/l  
RT: 3.959 min Scan# 341  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion: 74 Resp: 73368  
Ion Ratio Lower Upper  
74 100  
45 109.9 42.4 127.3

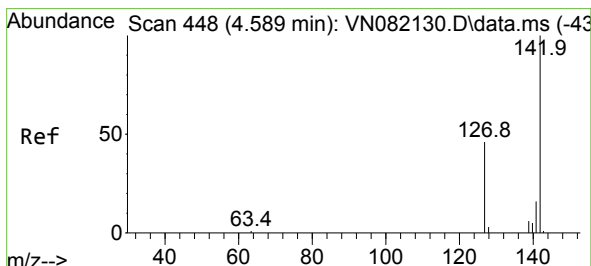
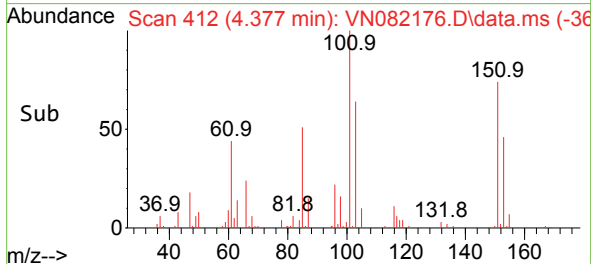
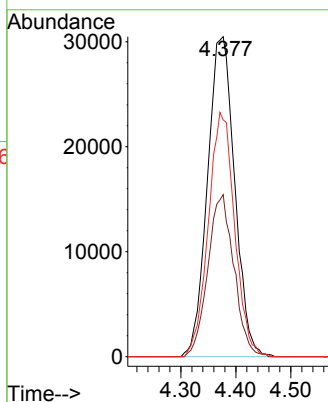
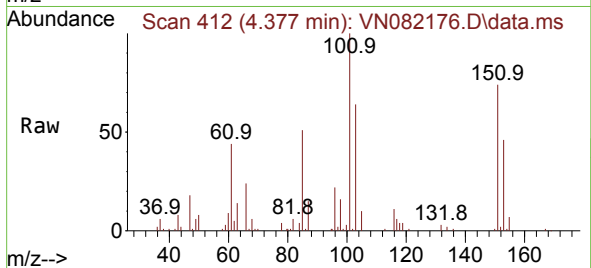




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 46.841 ug/l  
RT: 4.377 min Scan# 411  
Delta R.T. 0.006 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

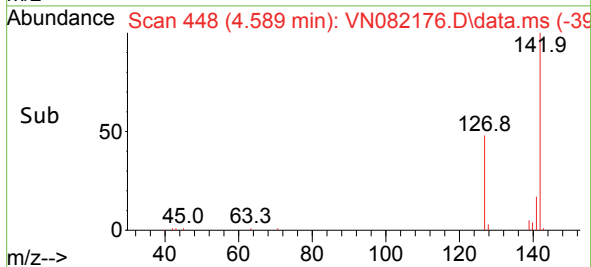
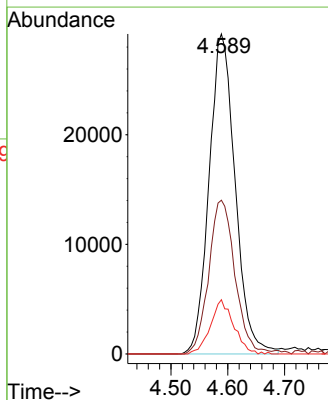
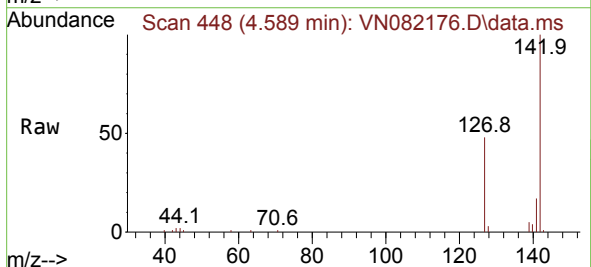
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:101 Resp: 104696  
Ion Ratio Lower Upper  
101 100  
85 48.6 37.3 55.9  
151 73.9 59.2 88.8



#10  
Methyl Iodide  
Concen: 41.400 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion:142 Resp: 93024  
Ion Ratio Lower Upper  
142 100  
127 48.1 35.8 53.6  
141 17.0 11.4 17.2

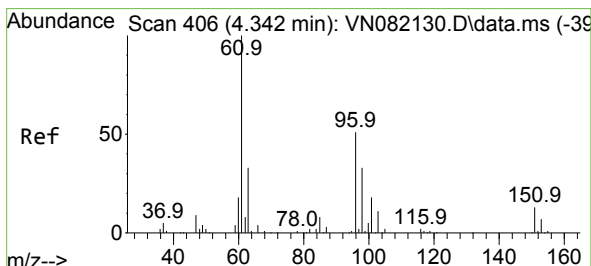
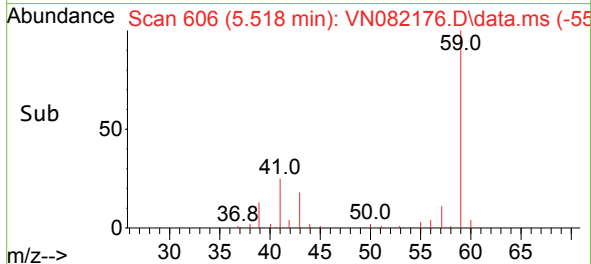
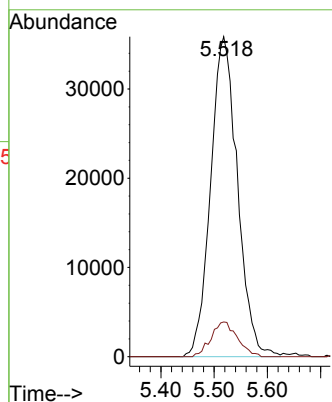
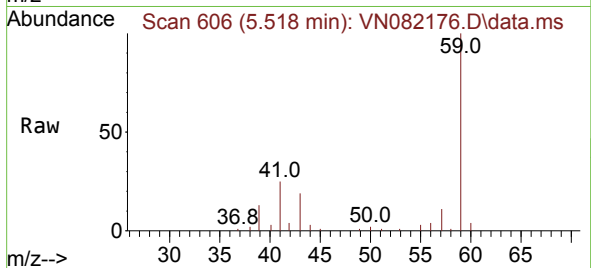




#11  
Tert butyl alcohol  
Concen: 260.448 ug/l  
RT: 5.518 min Scan# 606  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

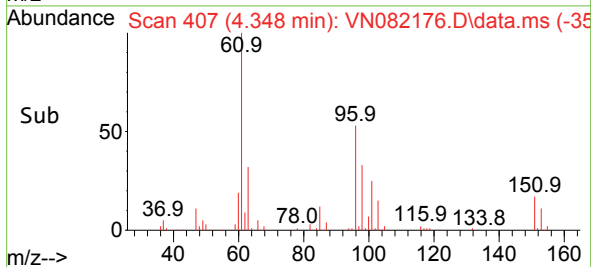
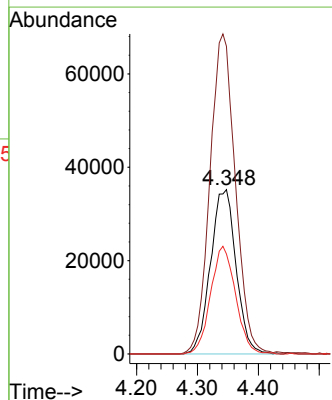
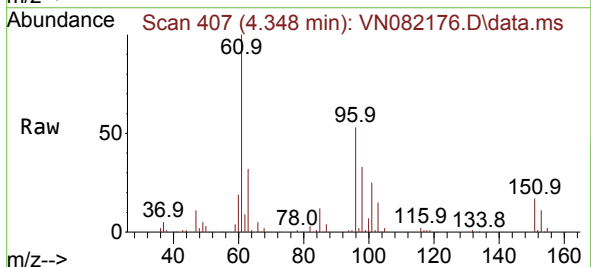
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

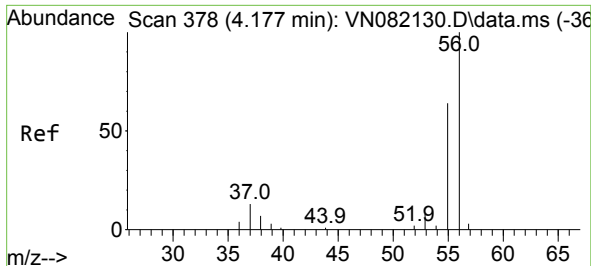
Tgt Ion: 59 Resp: 125577  
Ion Ratio Lower Upper  
59 100  
57 10.7 8.9 13.3



#12  
1,1-Dichloroethene  
Concen: 49.471 ug/l  
RT: 4.348 min Scan# 407  
Delta R.T. 0.006 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion: 96 Resp: 102775  
Ion Ratio Lower Upper  
96 100  
61 187.2 119.7 179.5#  
98 60.8 49.6 74.4

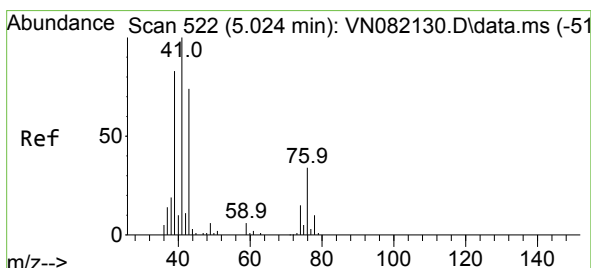
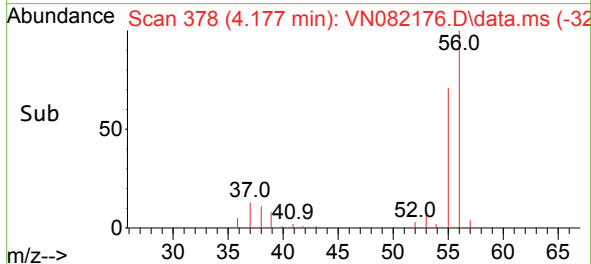
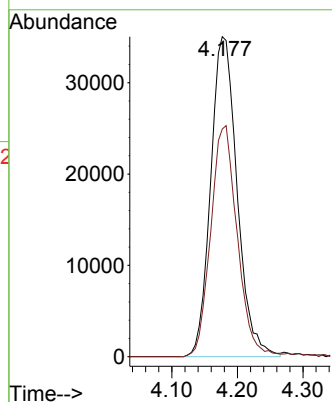
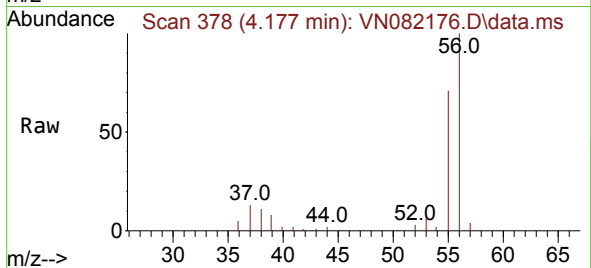




#13  
Acrolein  
Concen: 274.581 ug/l  
RT: 4.177 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

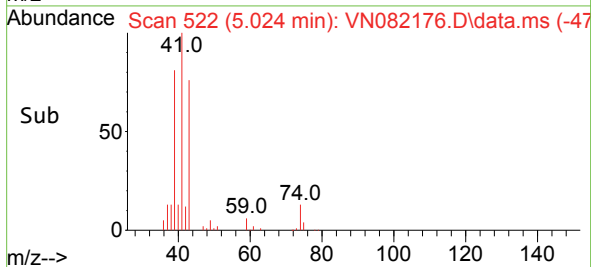
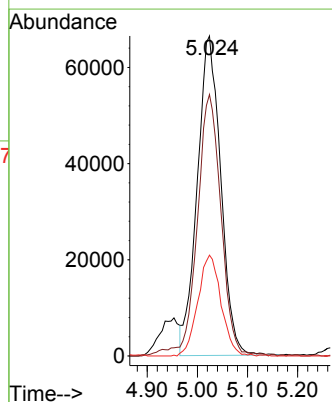
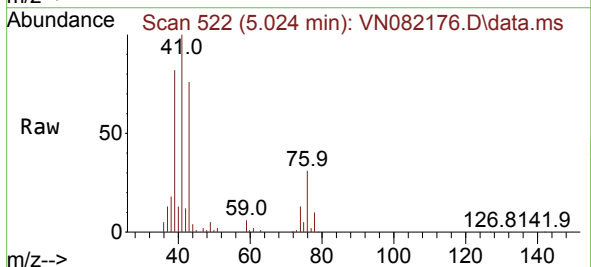
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 56 Resp: 98107  
Ion Ratio Lower Upper  
56 100  
55 72.3 55.8 83.8



#14  
Allyl chloride  
Concen: 48.645 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion: 41 Resp: 216366  
Ion Ratio Lower Upper  
41 100  
39 83.0 65.4 98.0  
76 31.2 37.3 55.9#

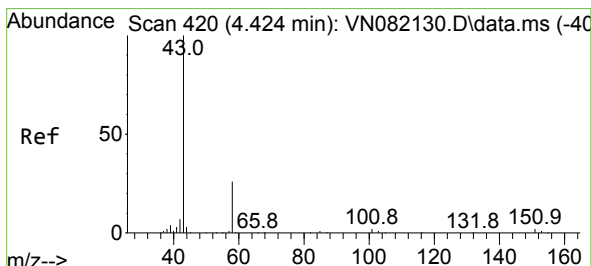
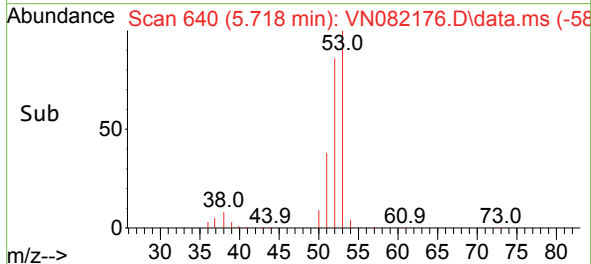
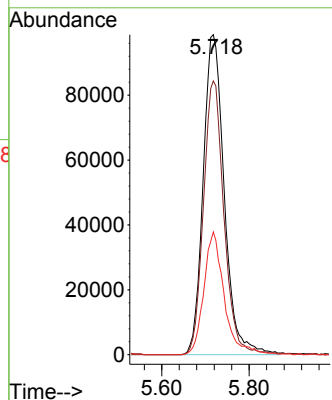
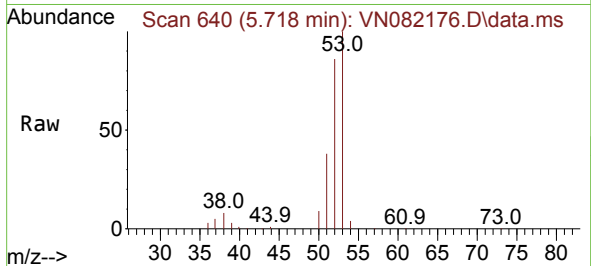




#15  
Acrylonitrile  
Concen: 265.222 ug/l  
RT: 5.718 min Scan# 640  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

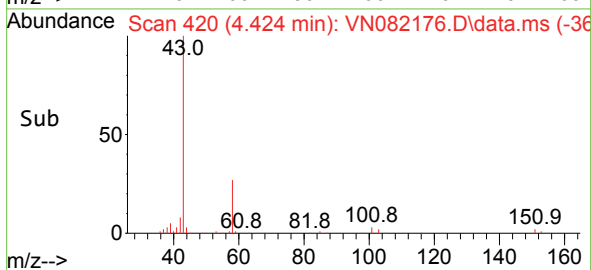
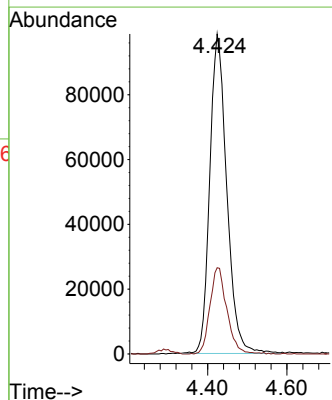
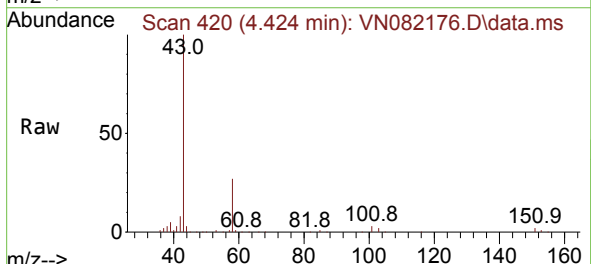
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ClientSampleId :  
VSTDCCC050EC

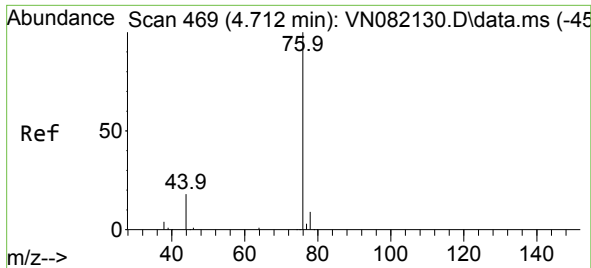
Tgt Ion: 53 Resp: 331191  
Ion Ratio Lower Upper  
53 100  
52 83.3 66.1 99.1  
51 37.1 29.4 44.2



#16  
Acetone  
Concen: 238.262 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion: 43 Resp: 293578  
Ion Ratio Lower Upper  
43 100  
58 27.0 25.2 37.8





#17

Carbon Disulfide

Concen: 45.726 ug/l

RT: 4.712 min Scan# 4

Delta R.T. -0.000 min

Lab File: VN082176.D

Acq: 16 May 2024 20:54

Instrument :

MSVOA\_N

ClientSampleId :

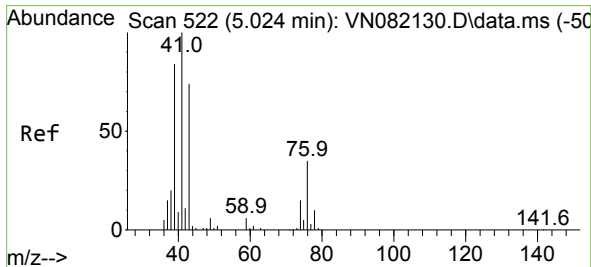
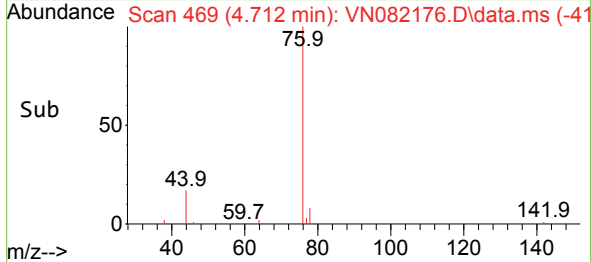
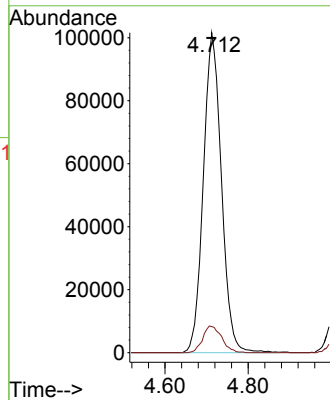
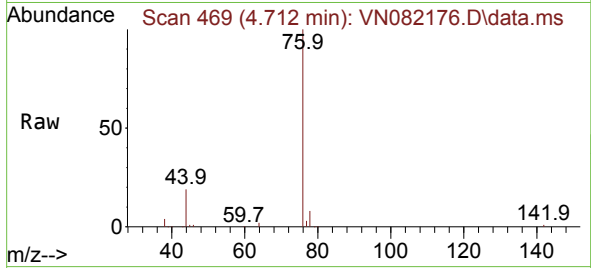
VSTDCCC050EC

Tgt Ion: 76 Resp: 306813

Ion Ratio Lower Upper

76 100

78 8.1 7.5 11.3



#18

Methyl Acetate

Concen: 51.429 ug/l

RT: 5.024 min Scan# 522

Delta R.T. -0.000 min

Lab File: VN082176.D

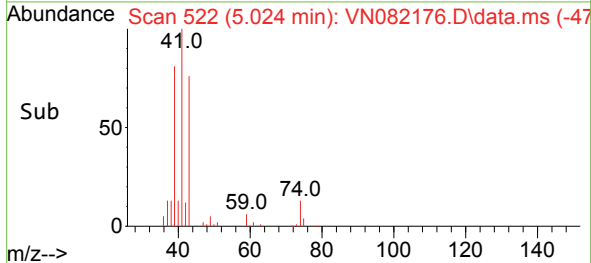
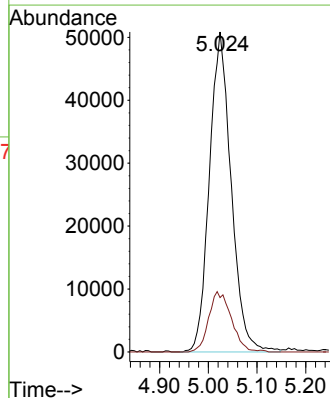
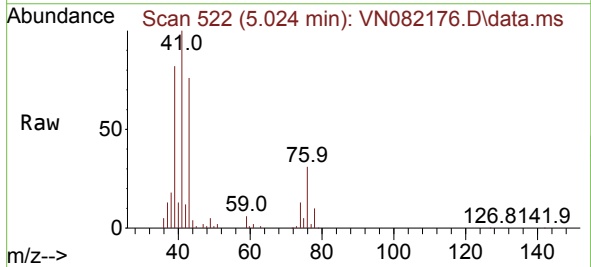
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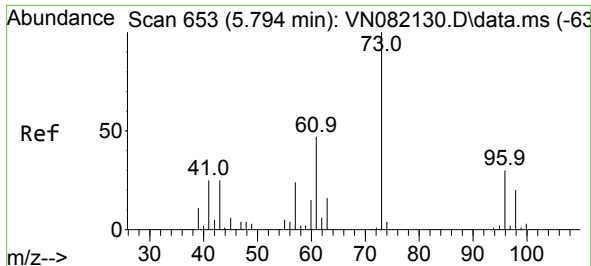
Tgt Ion: 43 Resp: 157813

Ion Ratio Lower Upper

43 100

74 19.6 22.2 33.2#

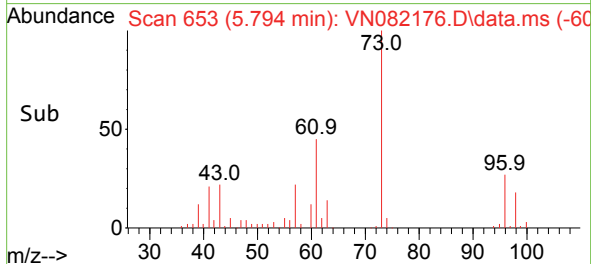
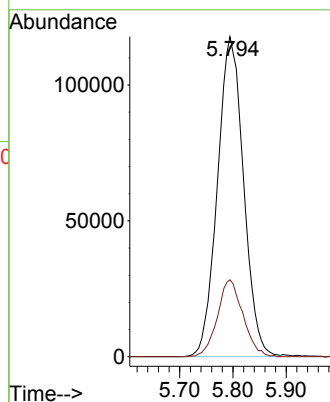
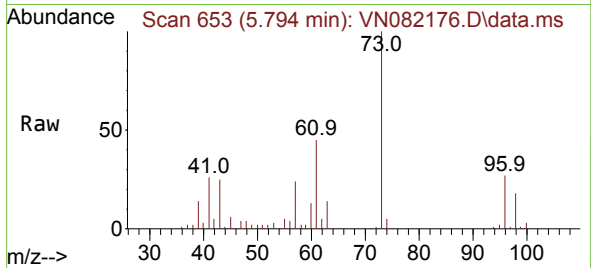




#19  
Methyl tert-butyl Ether  
Concen: 52.862 ug/l  
RT: 5.794 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

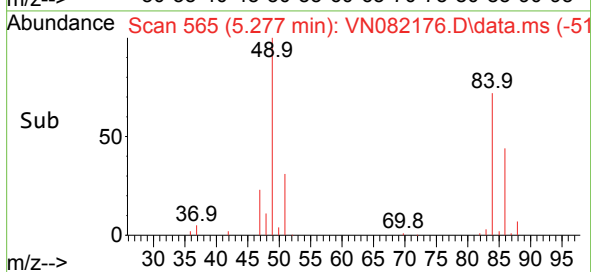
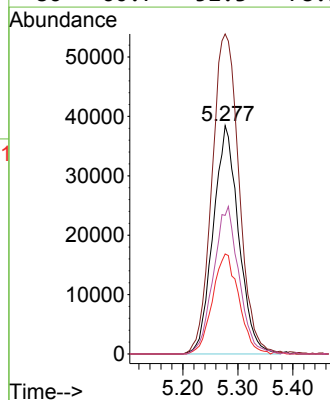
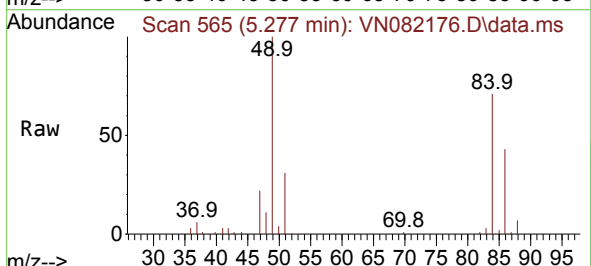
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ClientSampleId :  
VSTDCCC050EC

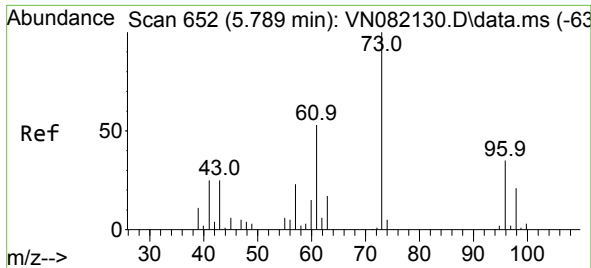
Tgt Ion: 73 Resp: 401416  
Ion Ratio Lower Upper  
73 100  
57 24.1 16.5 24.7



#20  
Methylene Chloride  
Concen: 49.736 ug/l  
RT: 5.277 min Scan# 565  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion: 84 Resp: 123644  
Ion Ratio Lower Upper  
84 100  
49 140.1 84.9 127.3#  
51 43.8 27.0 40.6#  
86 60.7 52.3 78.5

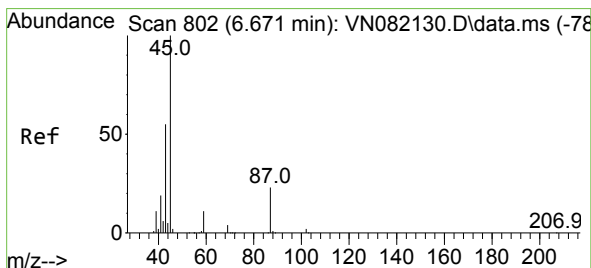
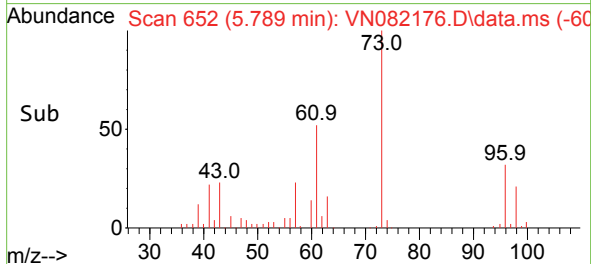
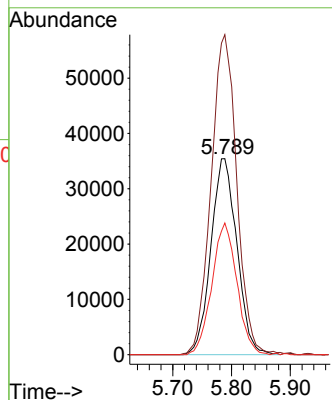
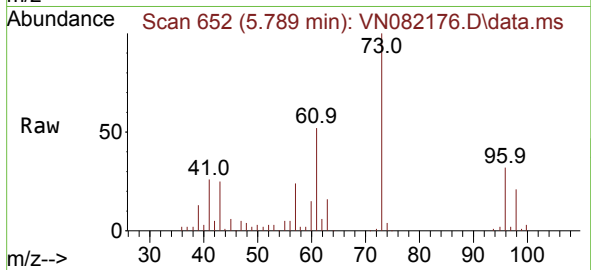




#21  
trans-1,2-Dichloroethene  
Concen: 48.065 ug/l  
RT: 5.789 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

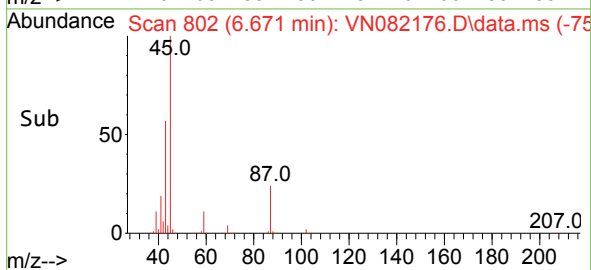
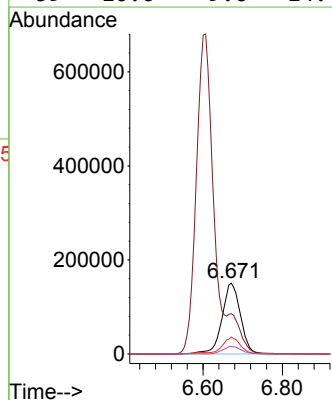
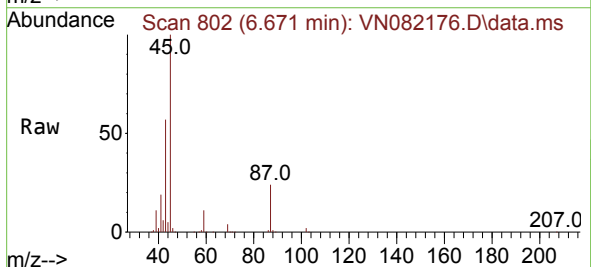
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 96 Resp: 108815  
Ion Ratio Lower Upper  
96 100  
61 163.3 96.5 144.7#  
98 67.2 51.3 76.9



#22  
Diisopropyl ether  
Concen: 52.392 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion: 45 Resp: 486605  
Ion Ratio Lower Upper  
45 100  
43 56.4 44.1 66.1  
87 23.9 27.0 40.6#  
59 10.6 9.6 14.4

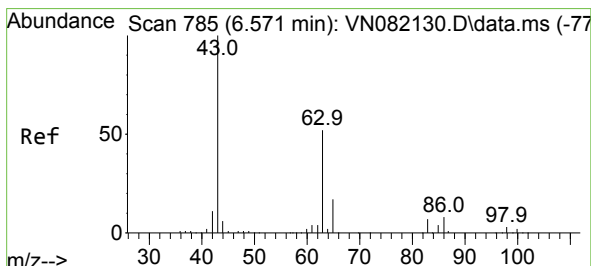
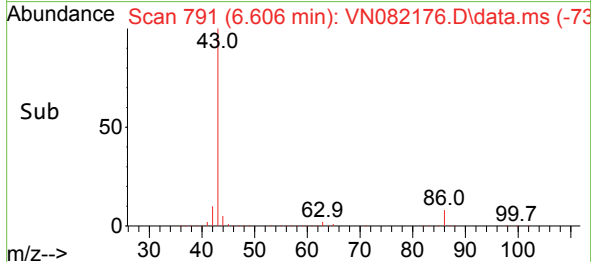
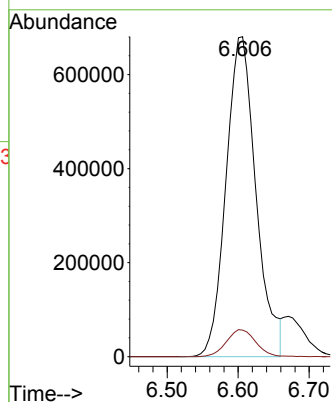
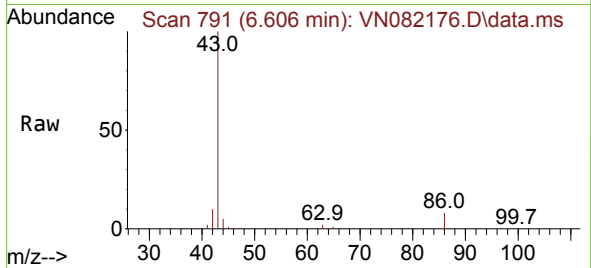




#23  
 Vinyl Acetate  
 Concen: 272.735 ug/l  
 RT: 6.606 min Scan# 791  
 Delta R.T. 0.006 min  
 Lab File: VN082176.D  
 Acq: 16 May 2024 20:54

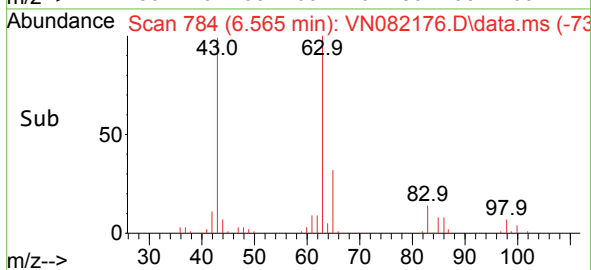
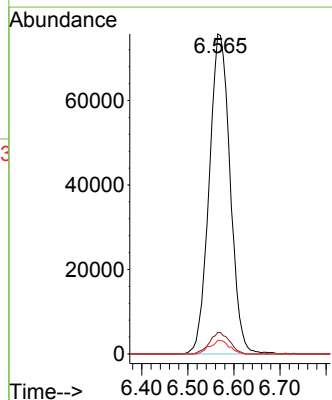
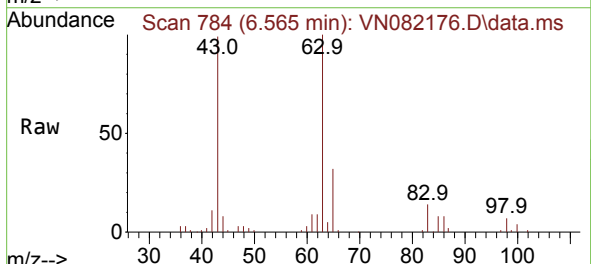
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

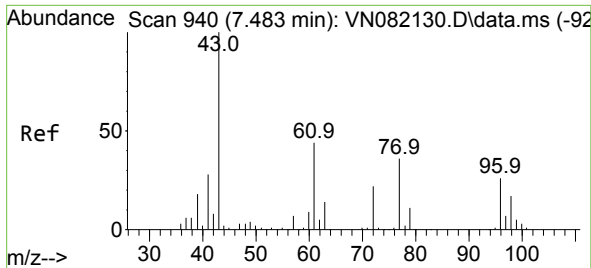
Tgt Ion: 43 Resp: 1997160  
 Ion Ratio Lower Upper  
 43 100  
 86 8.3 10.2 15.4#



#24  
 1,1-Dichloroethane  
 Concen: 49.991 ug/l  
 RT: 6.565 min Scan# 784  
 Delta R.T. -0.006 min  
 Lab File: VN082176.D  
 Acq: 16 May 2024 20:54

Tgt Ion: 63 Resp: 239316  
 Ion Ratio Lower Upper  
 63 100  
 98 6.8 3.6 10.9  
 100 4.3 2.6 7.8

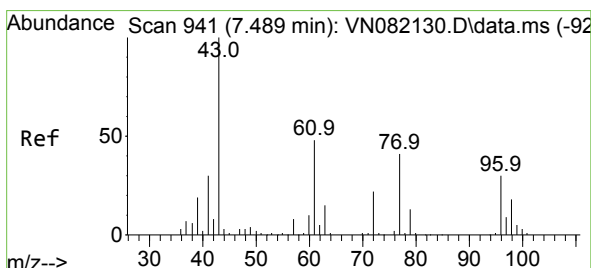
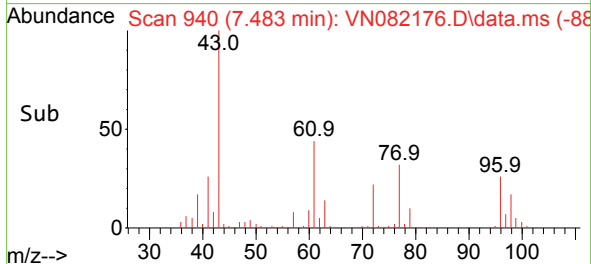
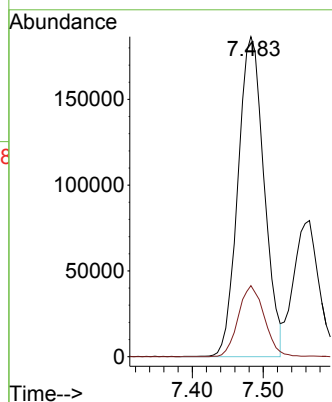
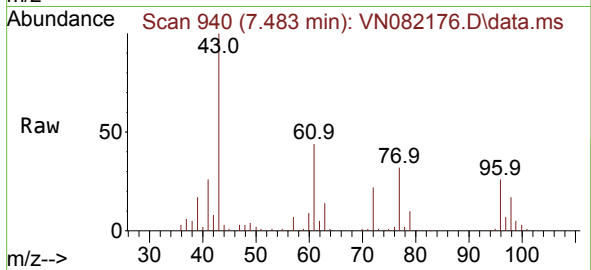




#25  
2-Butanone  
Concen: 255.516 ug/l  
RT: 7.483 min Scan# 941  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

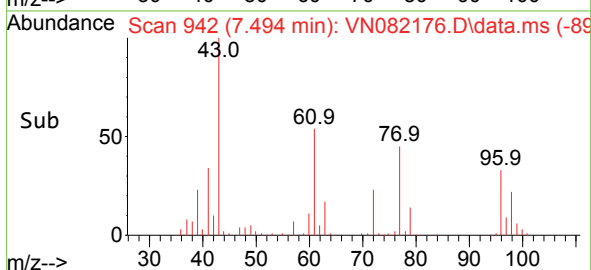
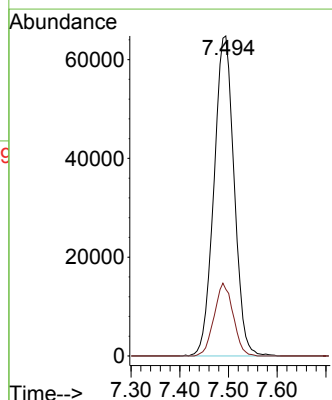
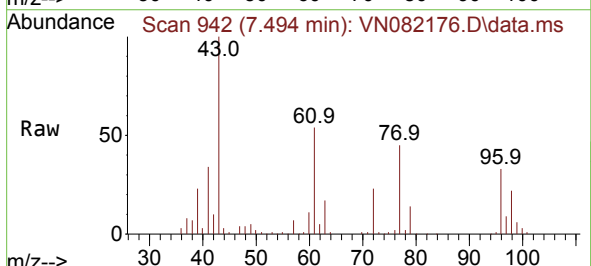
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 43 Resp: 477345  
Ion Ratio Lower Upper  
43 100  
72 22.2 25.3 37.9#



#26  
2,2-Dichloropropane  
Concen: 46.427 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. 0.006 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion: 77 Resp: 186160  
Ion Ratio Lower Upper  
77 100  
97 21.5 11.3 33.9



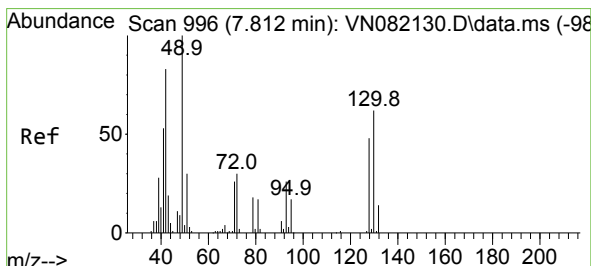
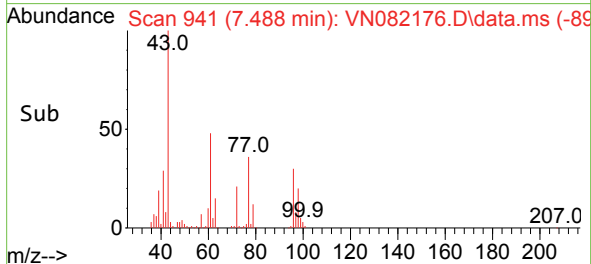
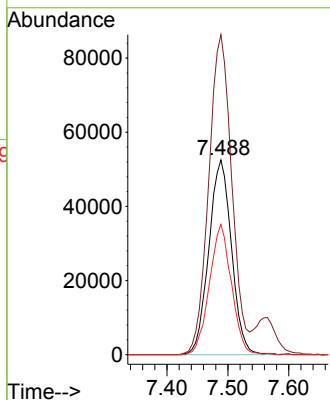
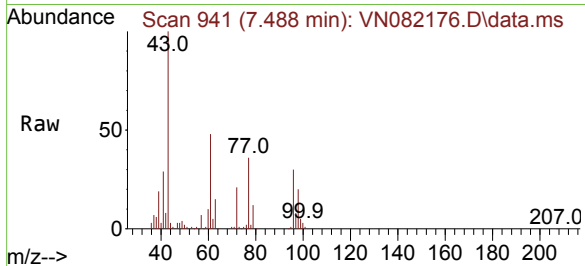


#27  
 cis-1,2-Dichloroethene  
 Concen: 50.885 ug/l  
 RT: 7.488 min Scan# 941  
 Delta R.T. -0.000 min  
 Lab File: VN082176.D  
 Acq: 16 May 2024 20:54

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 96 Resp: 135953  

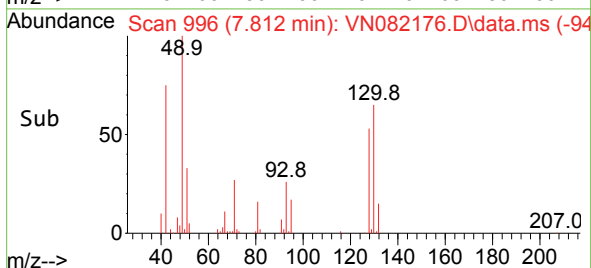
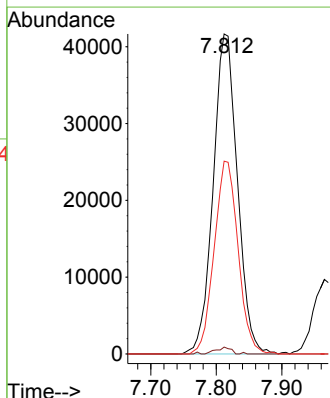
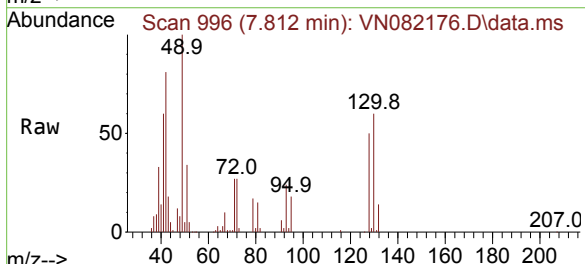
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 167.1 | 0.0   | 268.0 |
| 98  | 64.8  | 0.0   | 126.8 |



#28  
 Bromochloromethane  
 Concen: 47.923 ug/l  
 RT: 7.812 min Scan# 996  
 Delta R.T. -0.000 min  
 Lab File: VN082176.D  
 Acq: 16 May 2024 20:54

Tgt Ion: 49 Resp: 106909  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 1.3   | 0.0   | 4.6   |
| 130 | 59.3  | 66.7  | 100.1 |





#29

Tetrahydrofuran

Concen: 269.555 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.005 min

Lab File: VN082176.D

Acq: 16 May 2024 20:54

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

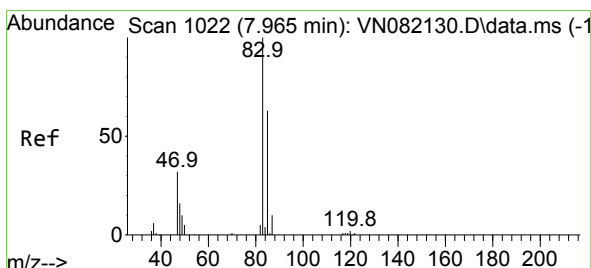
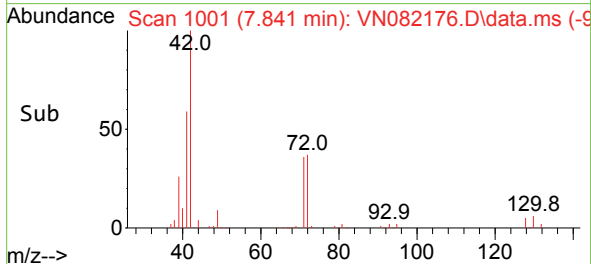
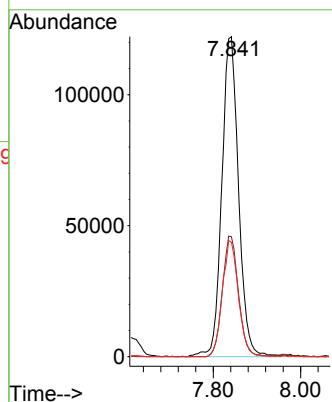
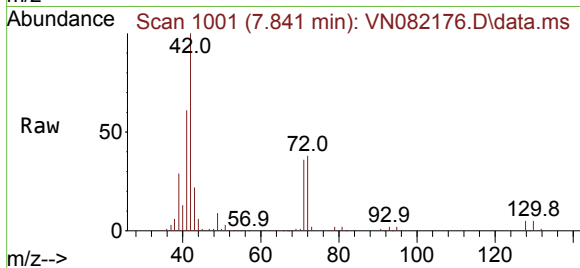
Tgt Ion: 42 Resp: 323320

Ion Ratio Lower Upper

42 100

72 36.3 39.3 58.9#

71 34.8 37.4 56.0#



#30

Chloroform

Concen: 51.348 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN082176.D

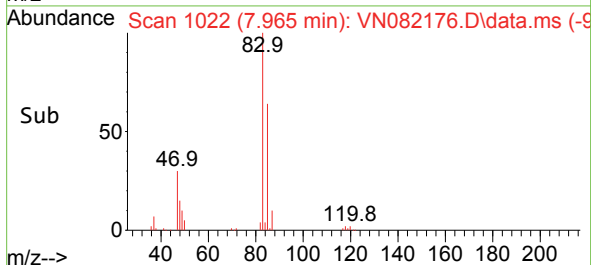
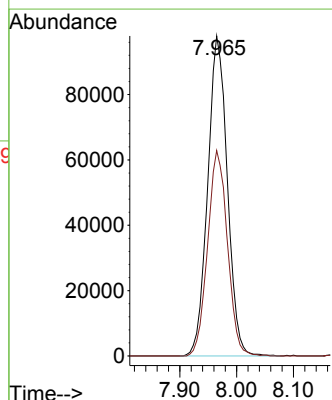
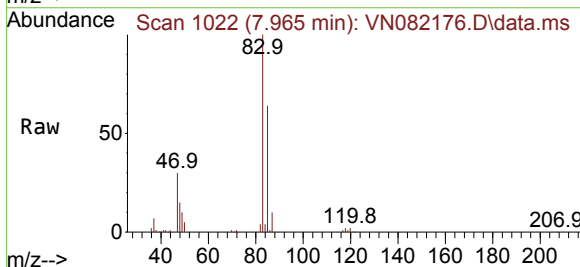
Acq: 16 May 2024 20:54

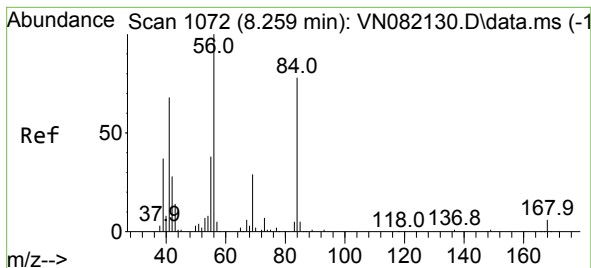
Tgt Ion: 83 Resp: 234736

Ion Ratio Lower Upper

83 100

85 64.2 50.7 76.1





#31

Cyclohexane

Concen: 44.851 ug/l

RT: 8.259 min Scan# 1072

Delta R.T. -0.000 min

Lab File: VN082176.D

Acq: 16 May 2024 20:54

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

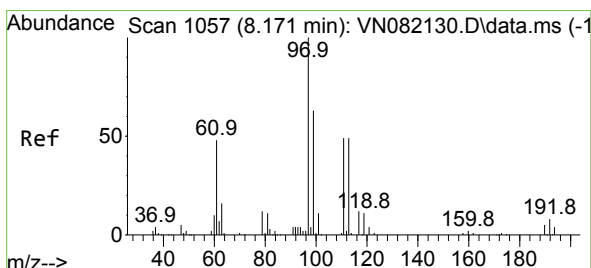
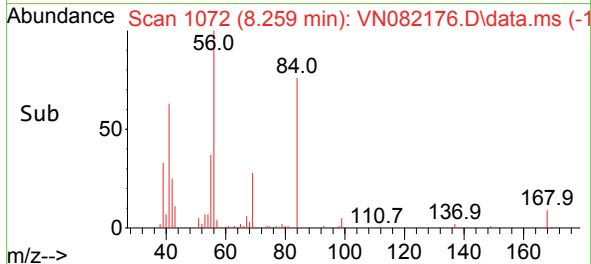
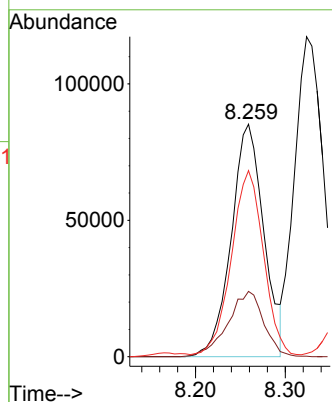
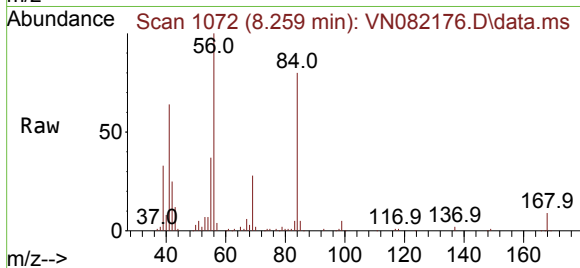
Tgt Ion: 56 Resp: 215167

Ion Ratio Lower Upper

56 100

69 28.1 24.4 36.6

84 78.7 77.0 115.4



#32

1,1,1-Trichloroethane

Concen: 50.015 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN082176.D

Acq: 16 May 2024 20:54

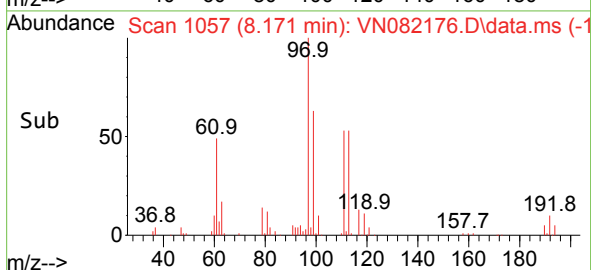
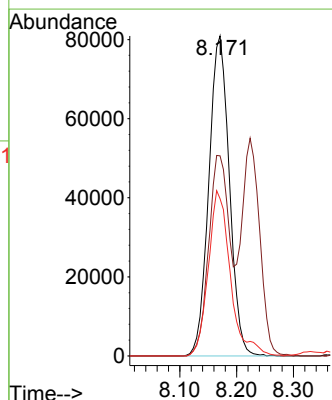
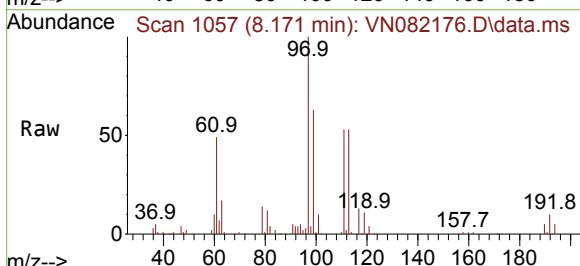
Tgt Ion: 97 Resp: 202844

Ion Ratio Lower Upper

97 100

99 62.4 50.3 75.5

61 55.6 36.6 55.0#





#33

1,2-Dichloroethane-d4

Concen: 51.287 ug/l

RT: 8.583 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN082176.D

Acq: 16 May 2024 20:54

Instrument :

MSVOA\_N

ClientSampleId :

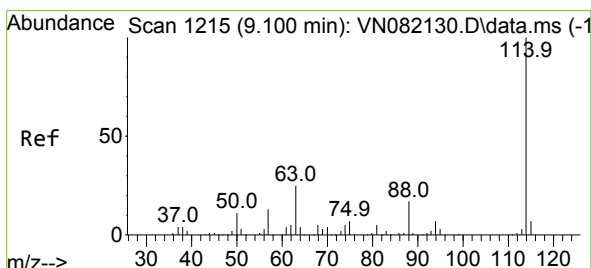
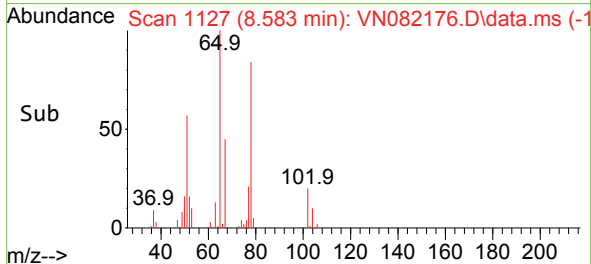
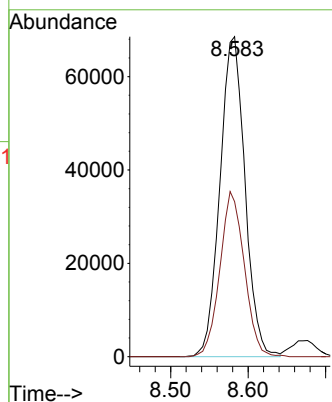
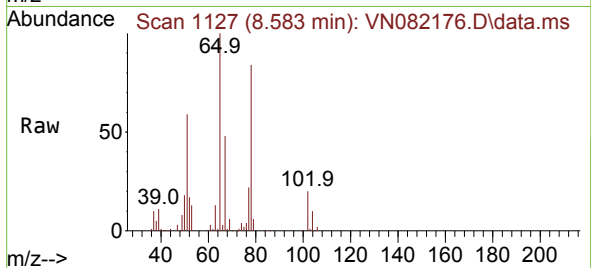
VSTDCCC050EC

Tgt Ion: 65 Resp: 154049

Ion Ratio Lower Upper

65 100

67 50.4 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN082176.D

Acq: 16 May 2024 20:54

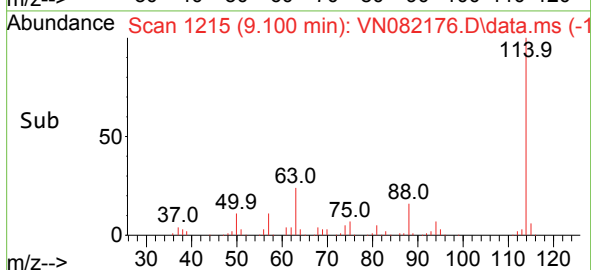
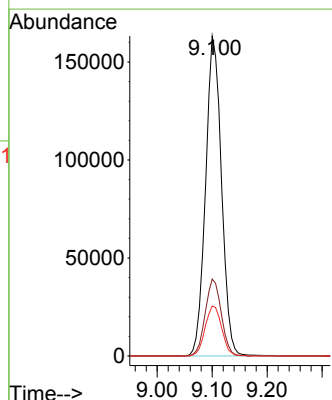
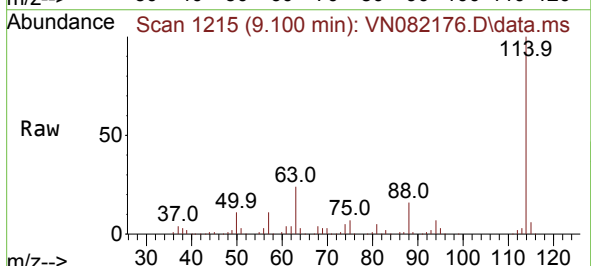
Tgt Ion: 114 Resp: 328153

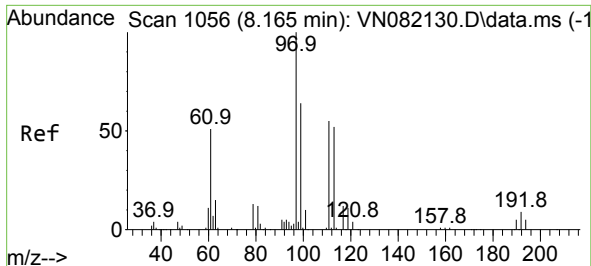
Ion Ratio Lower Upper

114 100

63 24.1 0.0 41.0

88 15.6 0.0 31.4

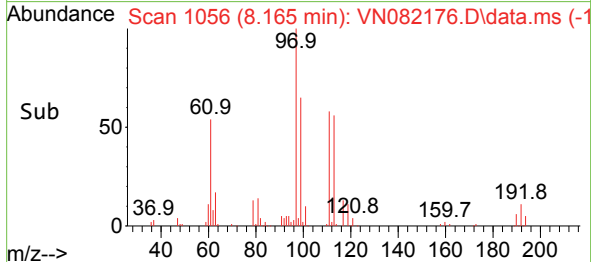
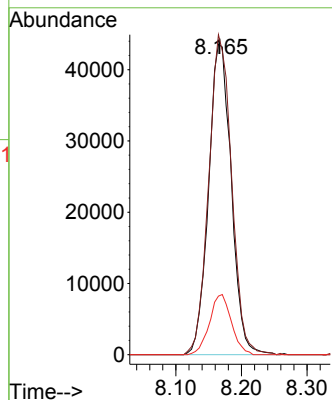
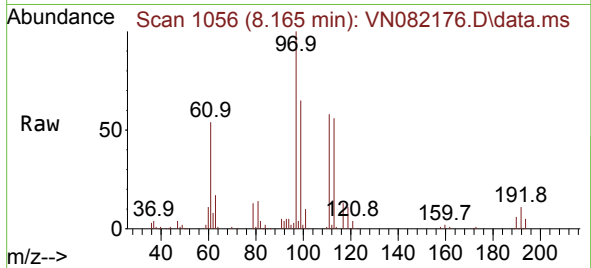




#35  
Dibromofluoromethane  
Concen: 51.954 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

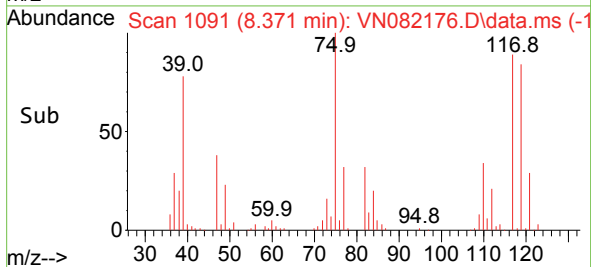
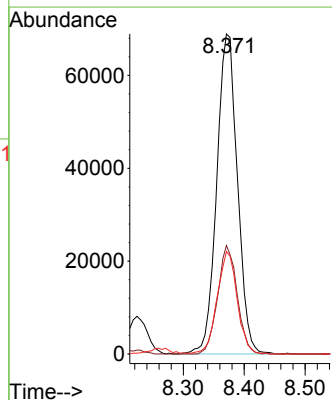
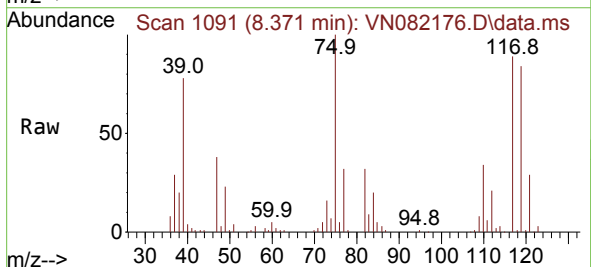
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:113 Resp: 104876  
Ion Ratio Lower Upper  
113 100  
111 104.1 83.4 125.2  
192 18.7 14.0 21.0



#36  
1,1-Dichloropropene  
Concen: 48.095 ug/l  
RT: 8.371 min Scan# 1091  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion: 75 Resp: 162831  
Ion Ratio Lower Upper  
75 100  
110 32.0 17.8 53.5  
77 31.0 25.0 37.4

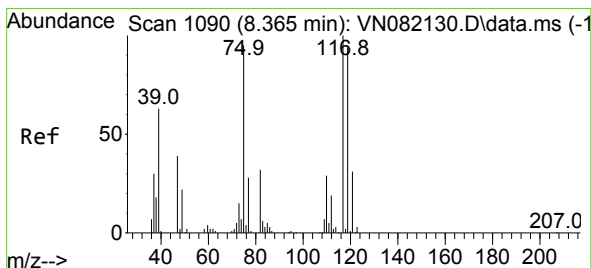
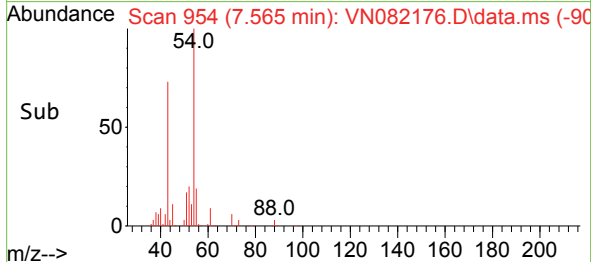
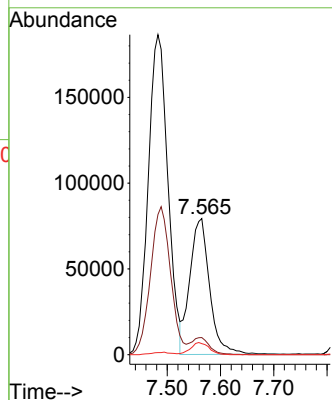
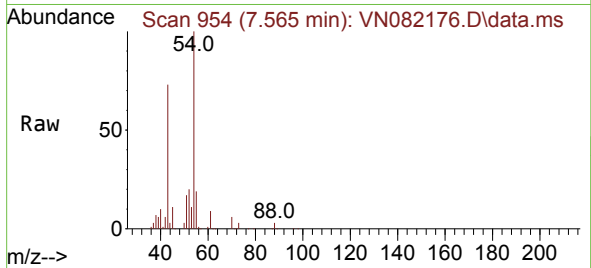




#37  
Ethyl Acetate  
Concen: 54.200 ug/l  
RT: 7.565 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

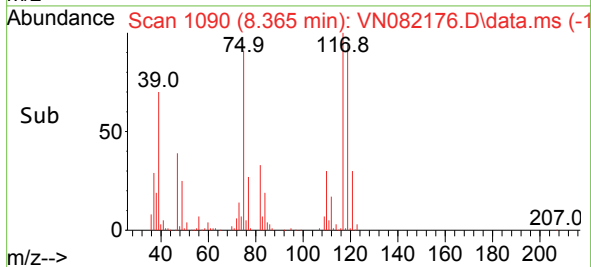
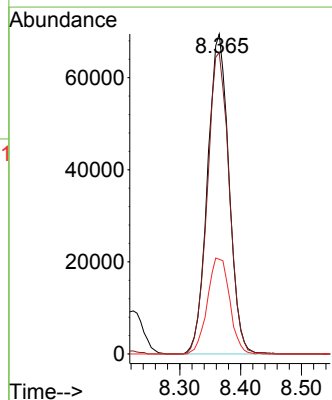
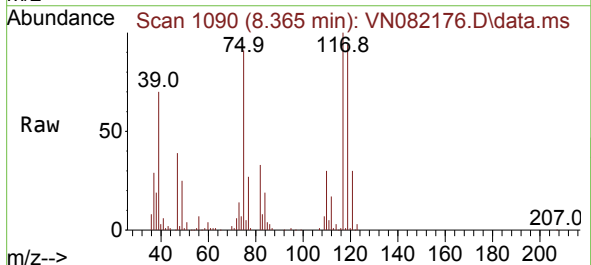
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

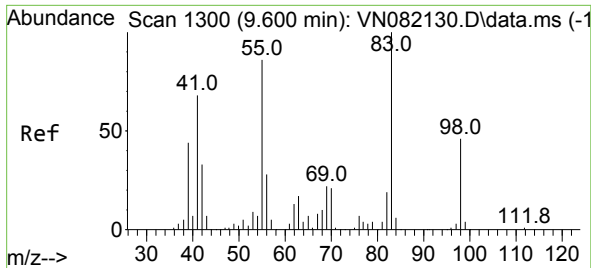
Tgt Ion: 43 Resp: 205357  
Ion Ratio Lower Upper  
43 100  
61 11.9 11.3 16.9  
70 8.3 8.7 13.1#



#38  
Carbon Tetrachloride  
Concen: 49.438 ug/l  
RT: 8.365 min Scan# 1090  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion: 117 Resp: 169670  
Ion Ratio Lower Upper  
117 100  
119 94.2 76.5 114.7  
121 29.6 23.9 35.9

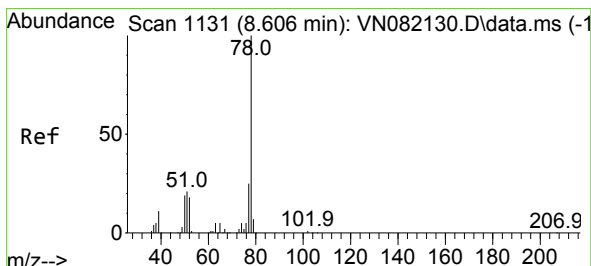
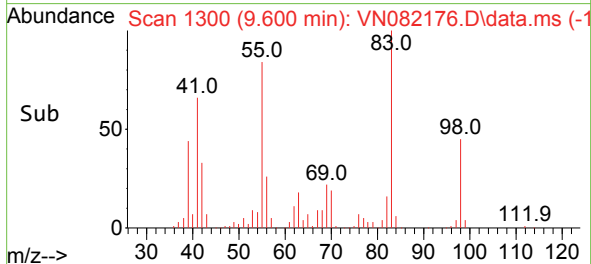
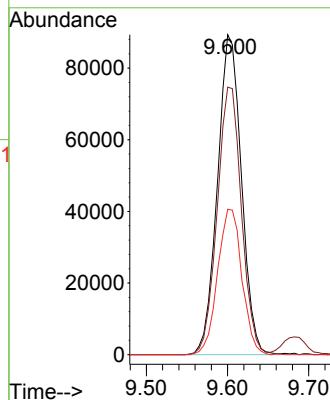
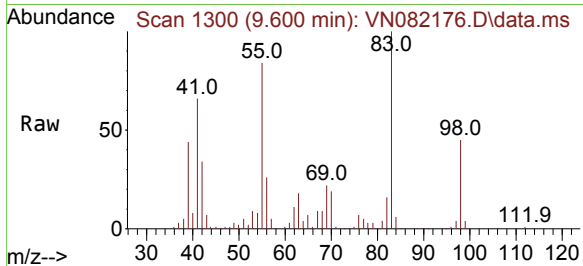




#39  
Methylcyclohexane  
Concen: 49.462 ug/l  
RT: 9.600 min Scan# 1130  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

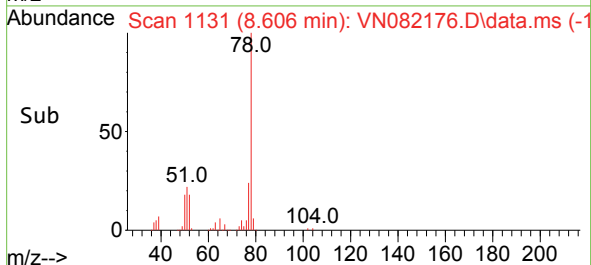
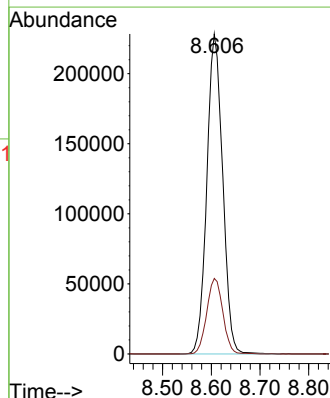
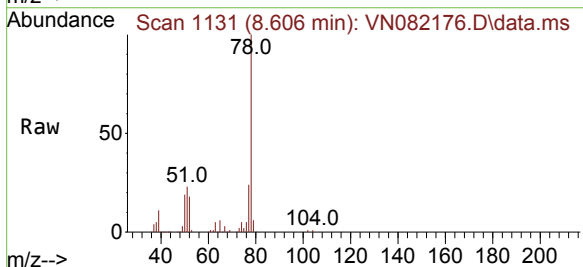
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

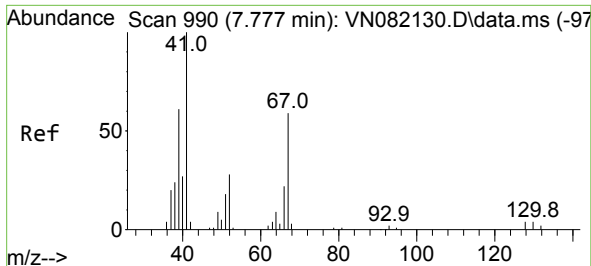
Tgt Ion: 83 Resp: 183557  
Ion Ratio Lower Upper  
83 100  
55 83.6 53.0 79.6#  
98 45.5 37.1 55.7



#40  
Benzene  
Concen: 50.873 ug/l  
RT: 8.606 min Scan# 1131  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion: 78 Resp: 513601  
Ion Ratio Lower Upper  
78 100  
77 23.6 20.0 30.0



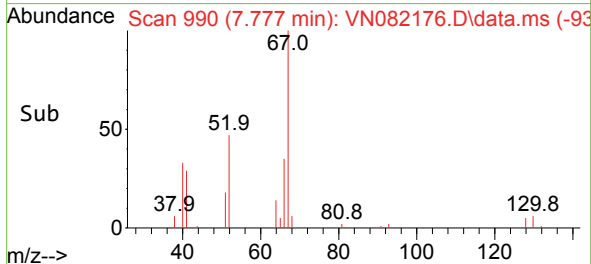
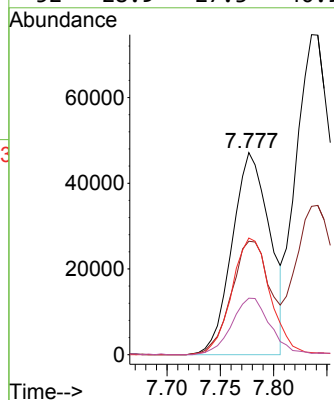
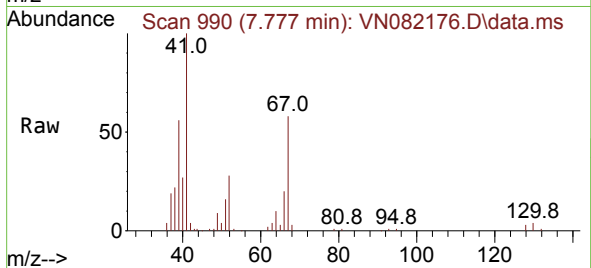


#41  
Methacrylonitrile  
Concen: 52.235 ug/l  
RT: 7.777 min Scan# 990  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 41 Resp: 116395

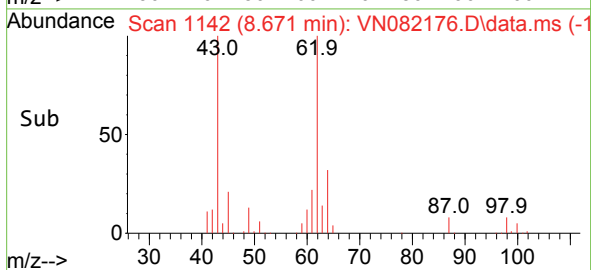
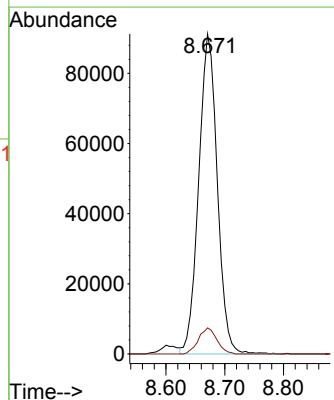
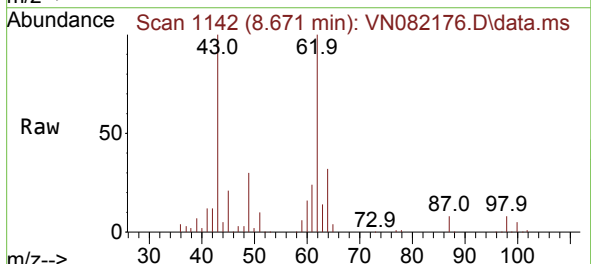
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 57.7  | 46.6  | 69.8  |
| 67  | 59.0  | 67.3  | 100.9 |
| 52  | 28.9  | 27.3  | 40.9  |

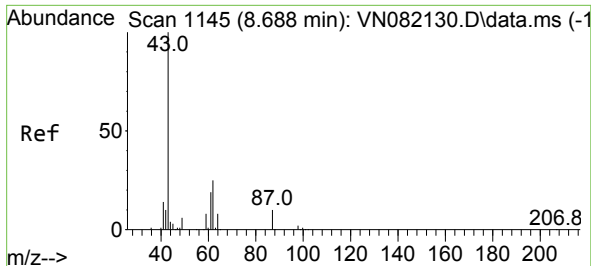


#42  
1,2-Dichloroethane  
Concen: 51.649 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion: 62 Resp: 200548

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 8.1   | 0.0   | 19.6  |

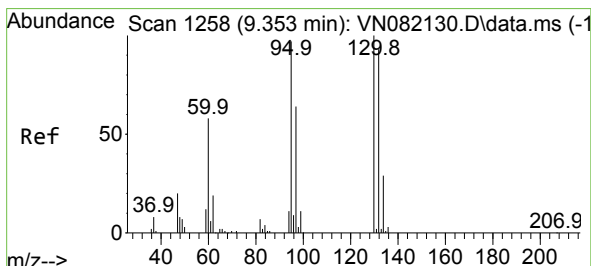
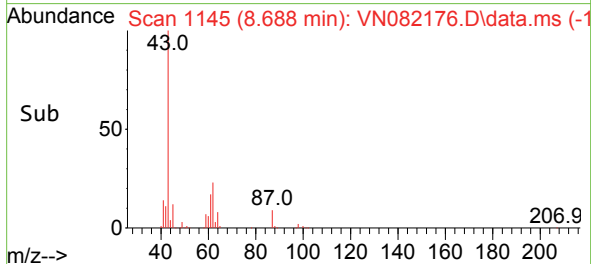
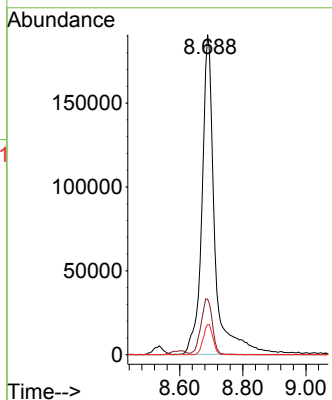
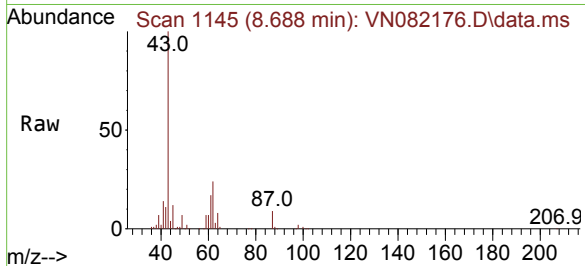




#43  
Isopropyl Acetate  
Concen: 79.658 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

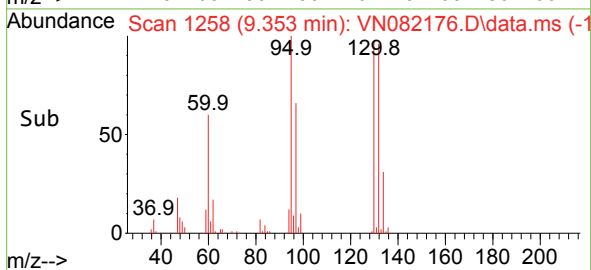
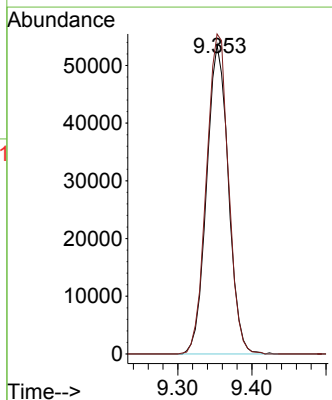
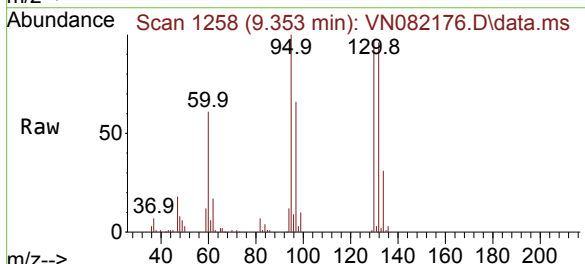
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 43 Resp: 534794  
Ion Ratio Lower Upper  
43 100  
61 15.4 22.8 34.2#  
87 7.2 12.0 18.0#



#44  
Trichloroethene  
Concen: 47.603 ug/l  
RT: 9.353 min Scan# 1258  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion:130 Resp: 109169  
Ion Ratio Lower Upper  
130 100  
95 103.5 0.0 195.4





#45

1,2-Dichloropropane

Concen: 51.472 ug/l

RT: 9.624 min Scan# 1304

Delta R.T. -0.000 min

Lab File: VN082176.D

Acq: 16 May 2024 20:54

Instrument :

MSVOA\_N

ClientSampleId :

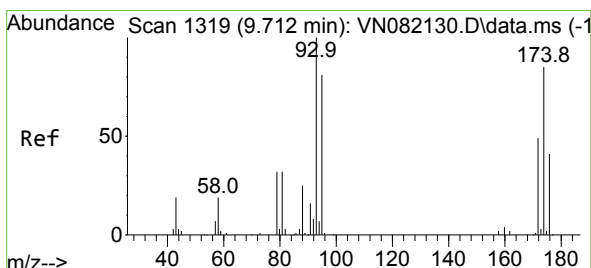
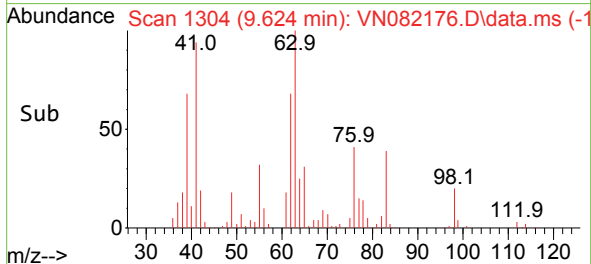
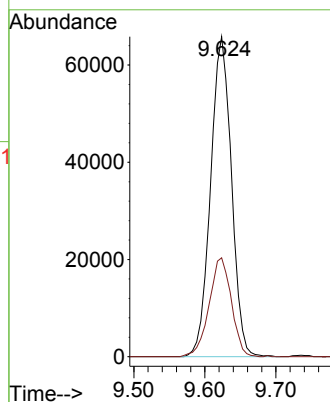
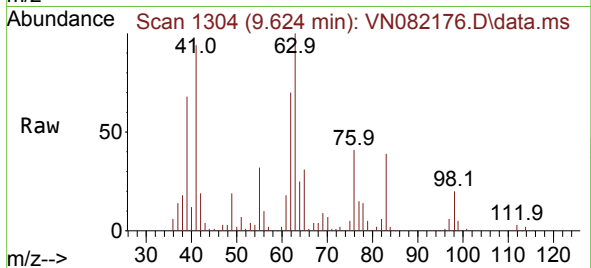
VSTDCCC050EC

Tgt Ion: 63 Resp: 134077

Ion Ratio Lower Upper

63 100

65 30.9 24.1 36.1



#46

Dibromomethane

Concen: 51.844 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN082176.D

Acq: 16 May 2024 20:54

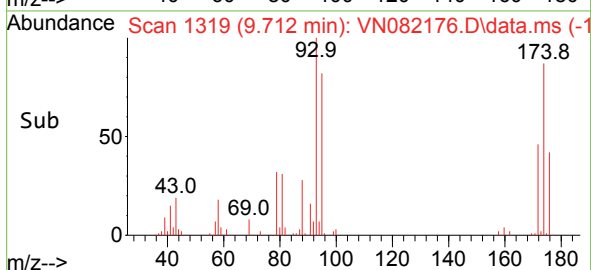
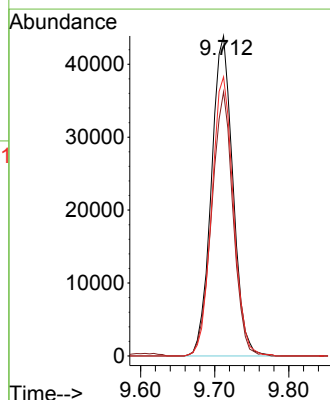
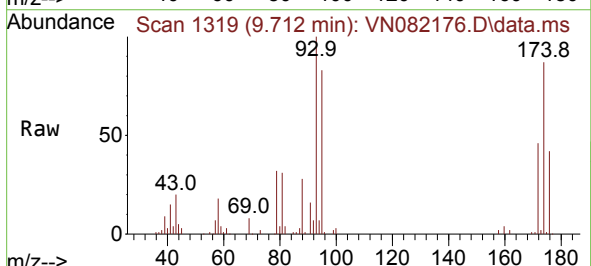
Tgt Ion: 93 Resp: 88662

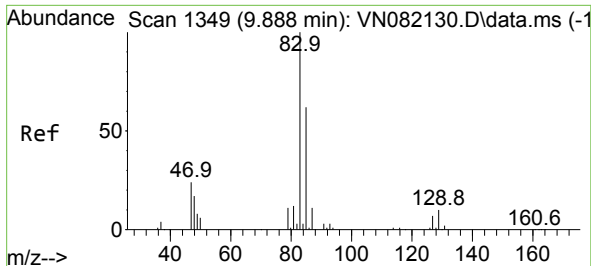
Ion Ratio Lower Upper

93 100

95 81.9 64.8 97.2

174 87.6 73.4 110.0

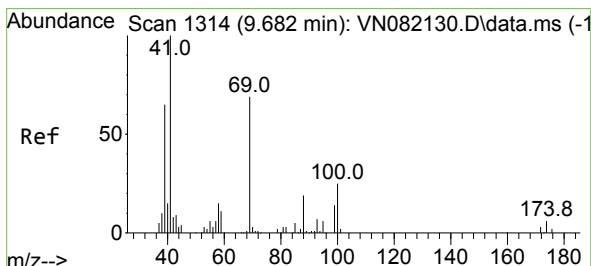
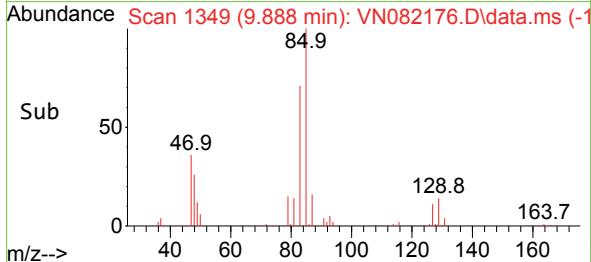
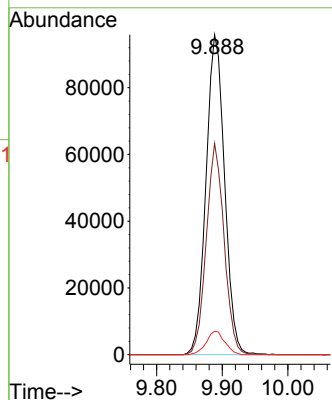
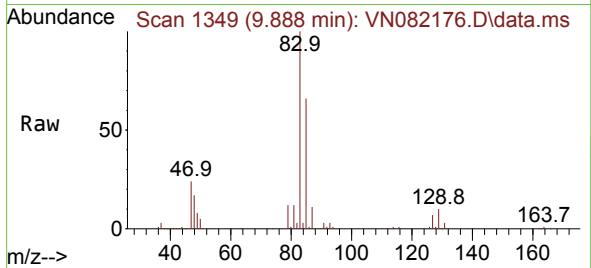




#47  
Bromodichloromethane  
Concen: 52.293 ug/l  
RT: 9.888 min Scan# 1349  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

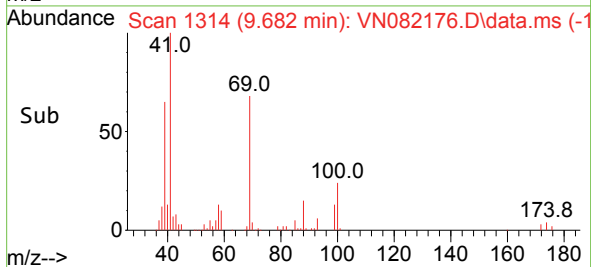
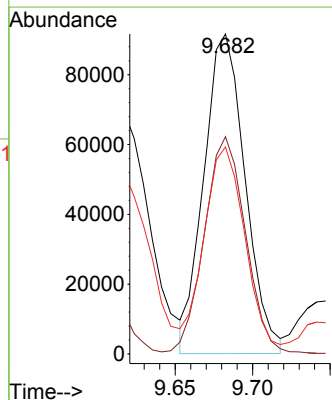
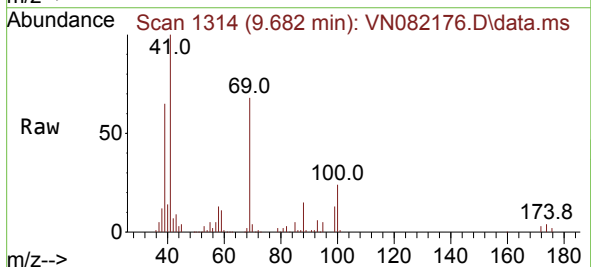
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MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

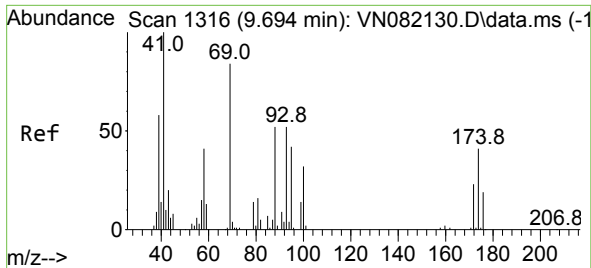
Tgt Ion: 83 Resp: 188795  
Ion Ratio Lower Upper  
83 100  
85 66.1 51.9 77.9  
127 7.3 7.5 11.3#



#48  
Methyl methacrylate  
Concen: 52.990 ug/l  
RT: 9.682 min Scan# 1314  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion: 41 Resp: 169518  
Ion Ratio Lower Upper  
41 100  
69 68.3 77.9 116.9#  
39 64.8 50.9 76.3





#49

1,4-Dioxane

Concen: 1107.399 ug/l

RT: 9.694 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN082176.D

Acq: 16 May 2024 20:54

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

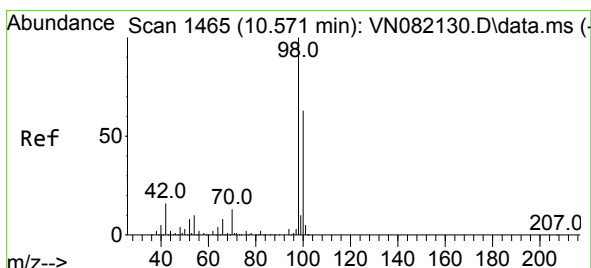
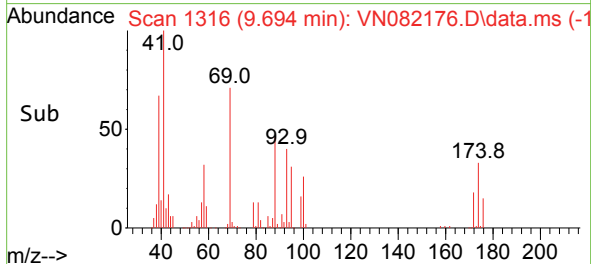
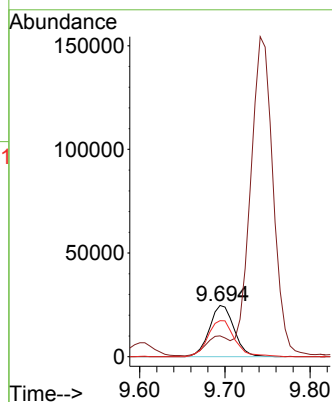
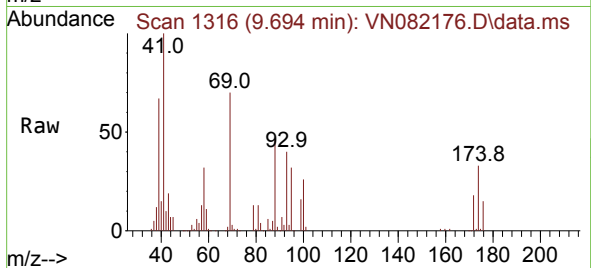
Tgt Ion: 88 Resp: 49642

Ion Ratio Lower Upper

88 100

43 36.6 19.0 28.6#

58 76.4 50.6 76.0#



#50

Toluene-d8

Concen: 50.750 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN082176.D

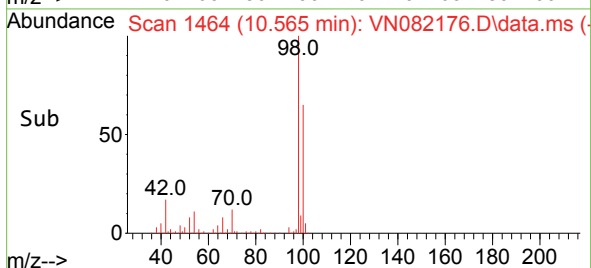
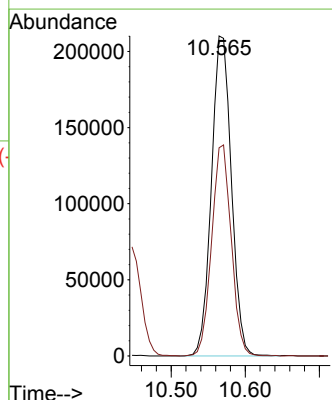
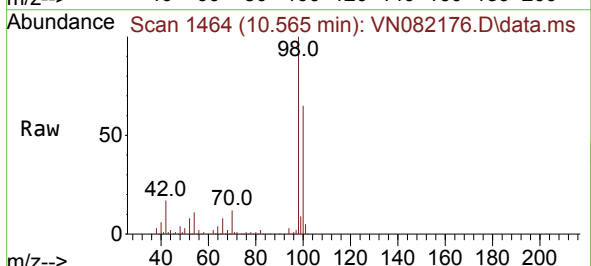
Acq: 16 May 2024 20:54

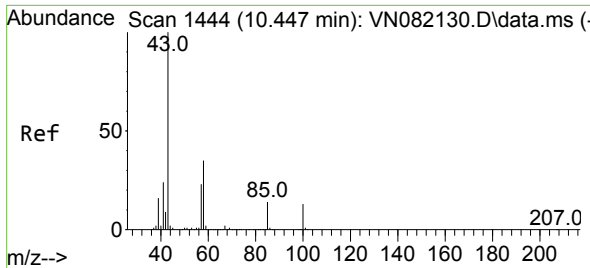
Tgt Ion: 98 Resp: 392775

Ion Ratio Lower Upper

98 100

100 64.7 51.8 77.6

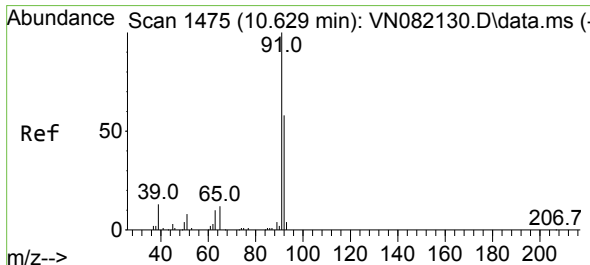
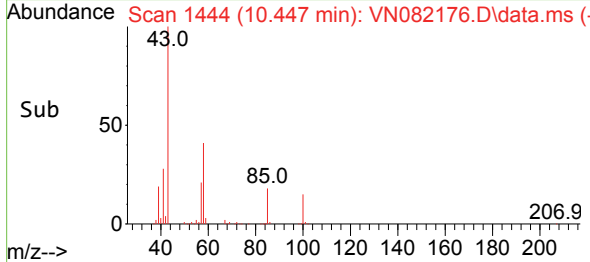
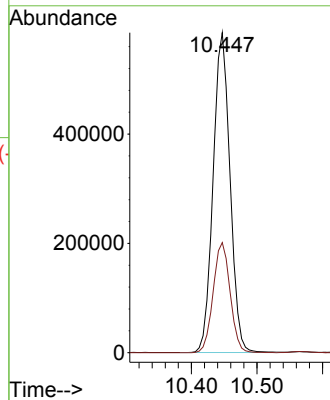
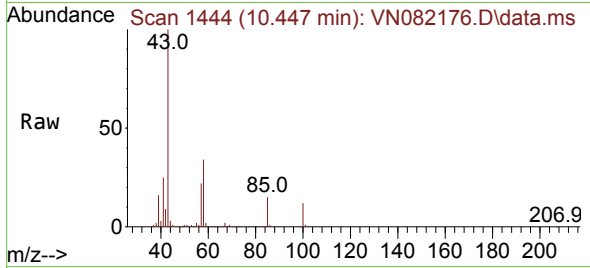




#51  
4-Methyl-2-Pentanone  
Concen: 274.128 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

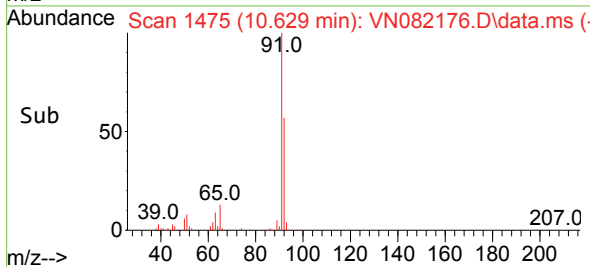
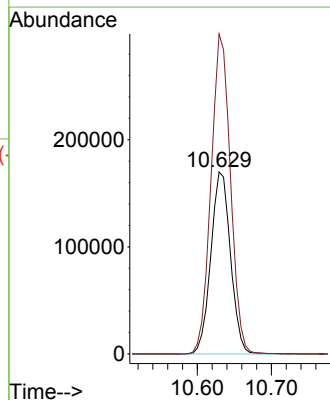
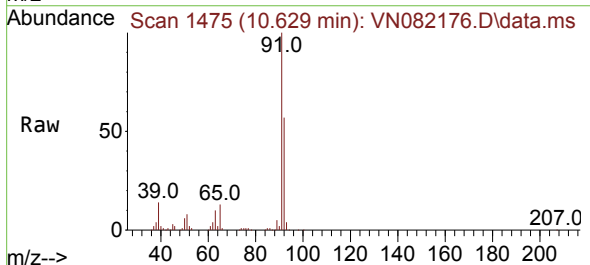
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ClientSampleId :  
VSTDCCC050EC

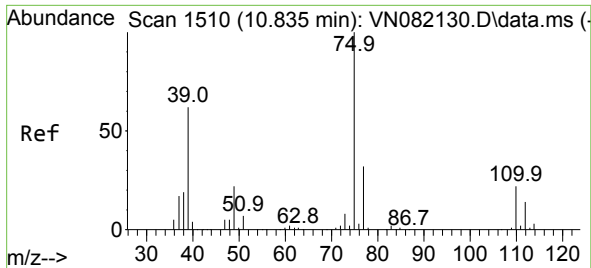
Tgt Ion: 43 Resp: 1045658  
Ion Ratio Lower Upper  
43 100  
58 34.6 33.2 49.8



#52  
Toluene  
Concen: 51.684 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion: 92 Resp: 313134  
Ion Ratio Lower Upper  
92 100  
91 173.9 136.7 205.1

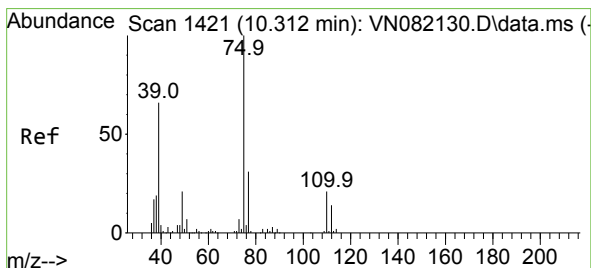
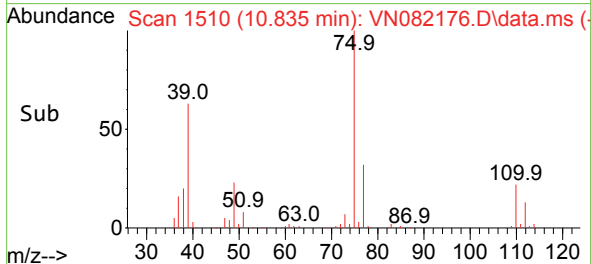
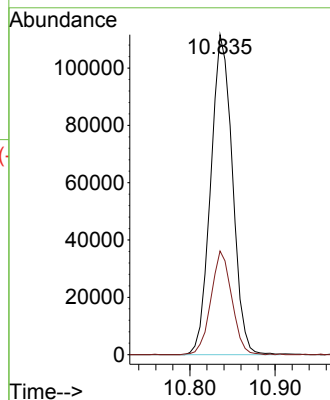
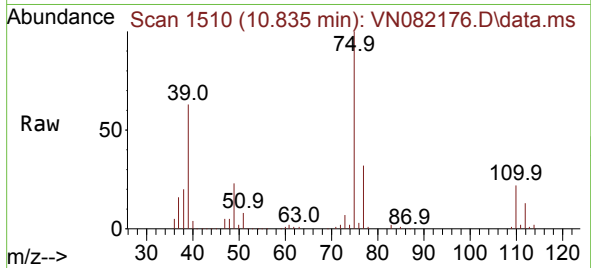




#53  
 t-1,3-Dichloropropene  
 Concen: 52.919 ug/l  
 RT: 10.835 min Scan# 1510  
 Delta R.T. -0.000 min  
 Lab File: VN082176.D  
 Acq: 16 May 2024 20:54

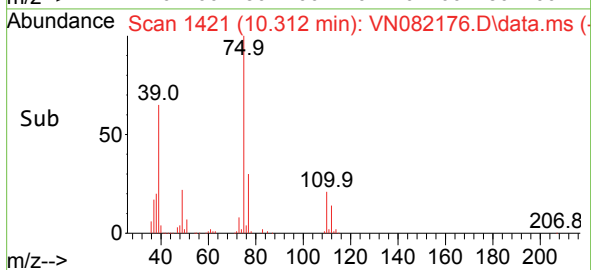
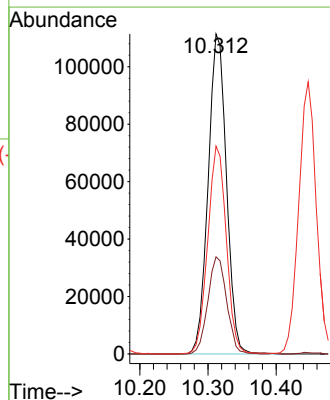
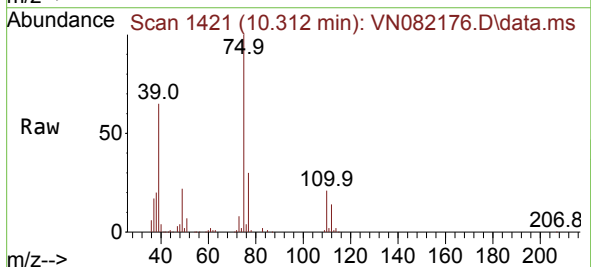
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 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

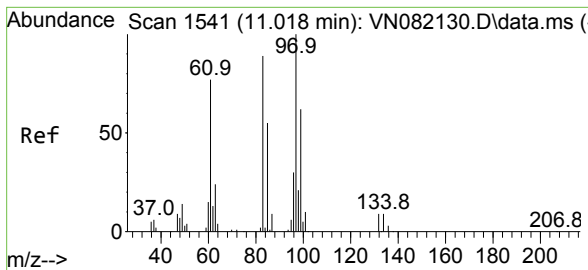
Tgt Ion: 75 Resp: 197594  
 Ion Ratio Lower Upper  
 75 100  
 77 32.4 25.4 38.0



#54  
 cis-1,3-Dichloropropene  
 Concen: 52.677 ug/l  
 RT: 10.312 min Scan# 1421  
 Delta R.T. -0.000 min  
 Lab File: VN082176.D  
 Acq: 16 May 2024 20:54

Tgt Ion: 75 Resp: 208199  
 Ion Ratio Lower Upper  
 75 100  
 77 30.4 25.0 37.4  
 39 65.0 34.8 52.2#

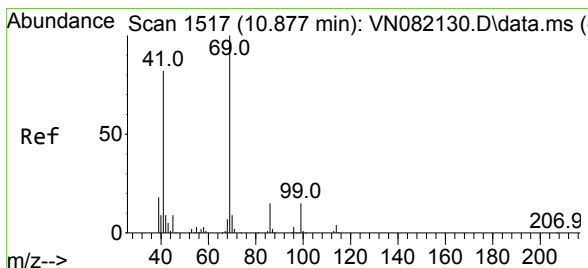
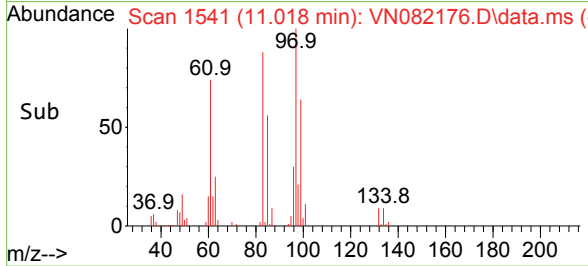
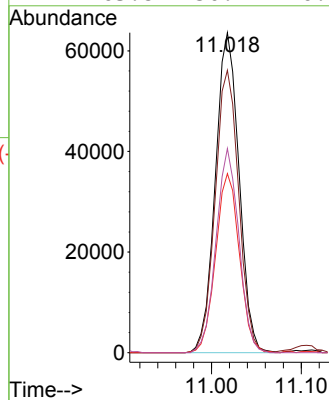
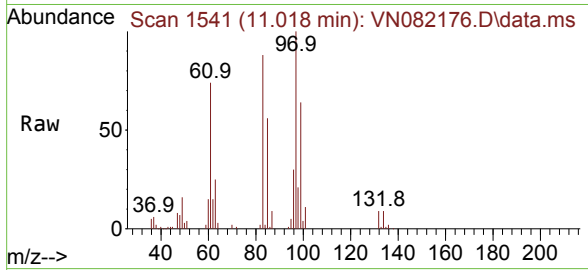




#55  
1,1,2-Trichloroethane  
Concen: 52.935 ug/l  
RT: 11.018 min Scan# 116548  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

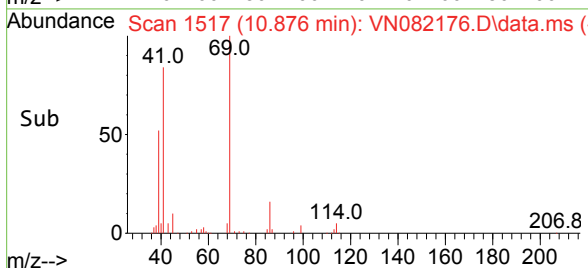
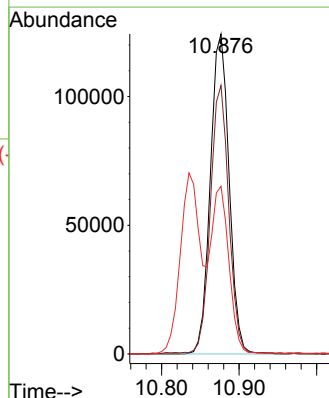
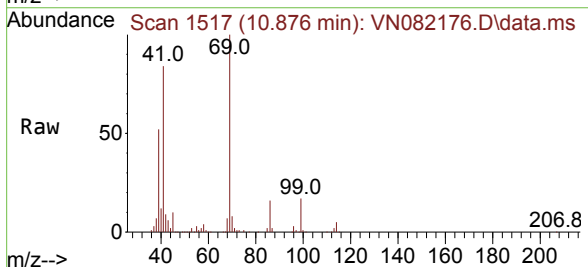
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MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

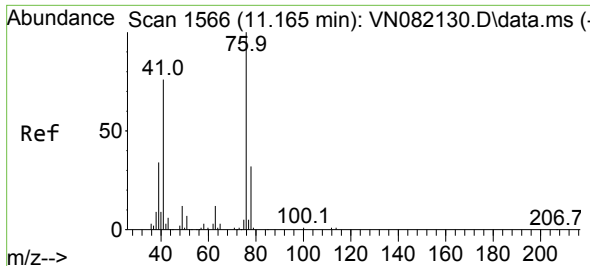
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 116548 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 88.3  | 70.4  | 105.6  |
| 85       | 56.0  | 45.6  | 68.4   |
| 99       | 63.8  | 50.9  | 76.3   |



#56  
Ethyl methacrylate  
Concen: 55.891 ug/l  
RT: 10.876 min Scan# 1517  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 208926 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 83.3  | 46.6  | 70.0#  |
| 39       | 46.9  | 26.5  | 39.7#  |

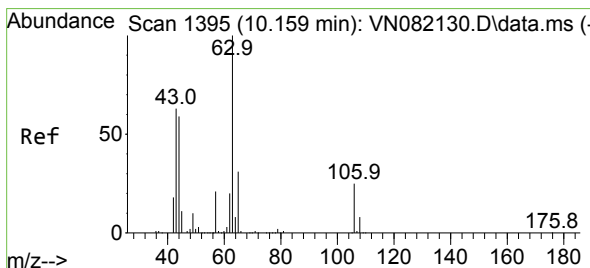
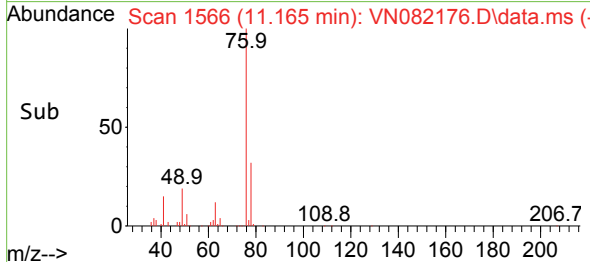
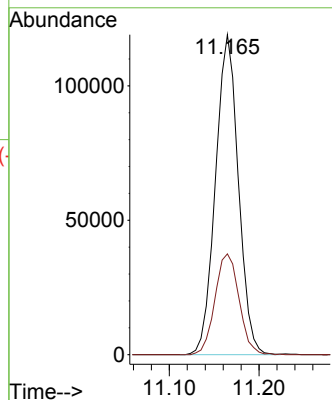
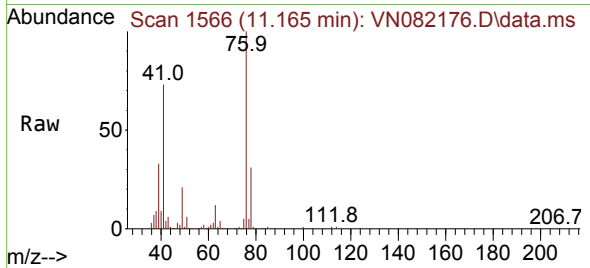




#57  
1,3-Dichloropropane  
Concen: 51.189 ug/l  
RT: 11.165 min Scan# 111  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

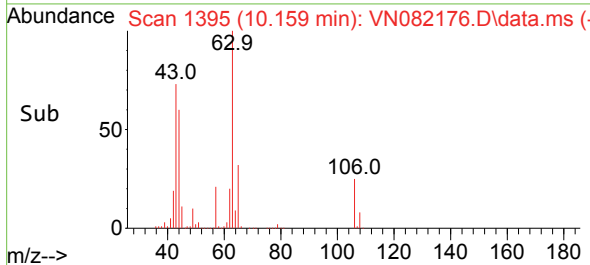
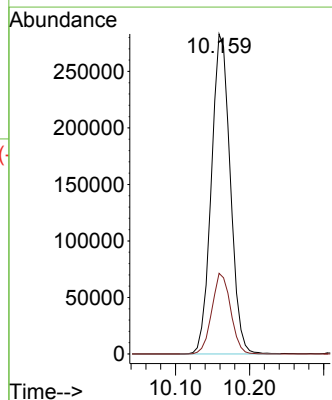
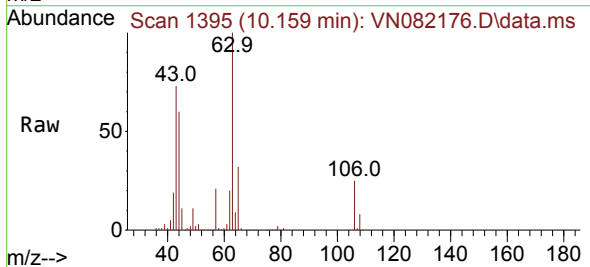
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

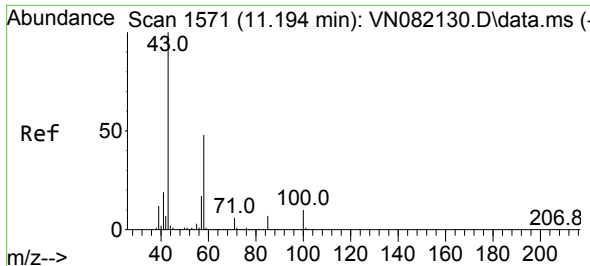
Tgt Ion: 76 Resp: 210728  
Ion Ratio Lower Upper  
76 100  
78 33.1 25.8 38.6



#58  
2-Chloroethyl Vinyl ether  
Concen: 260.232 ug/l  
RT: 10.159 min Scan# 1395  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion: 63 Resp: 501755  
Ion Ratio Lower Upper  
63 100  
106 25.0 24.6 36.8

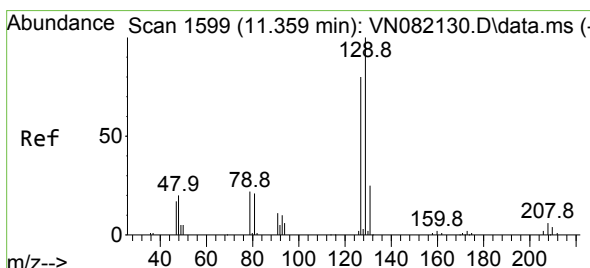
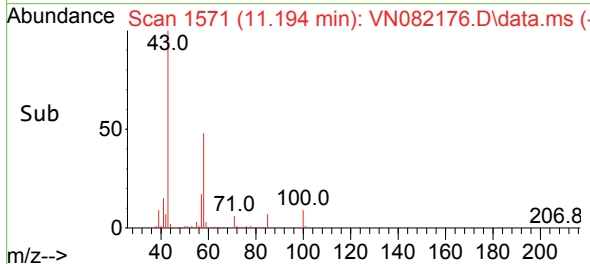
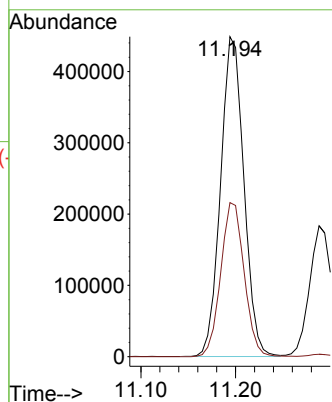
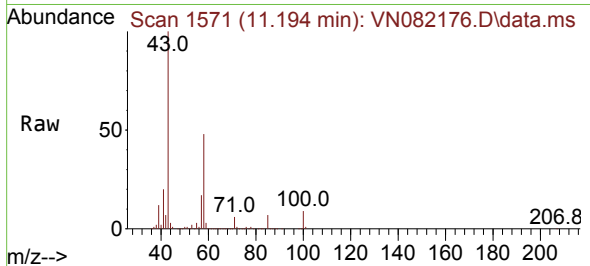




#59  
2-Hexanone  
Concen: 275.017 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

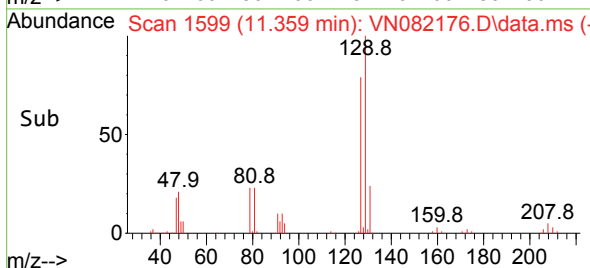
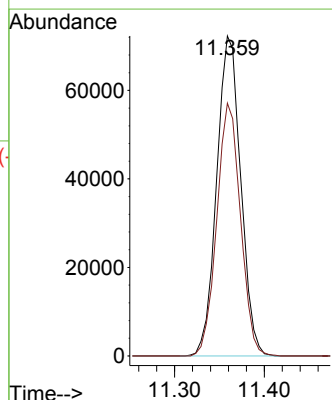
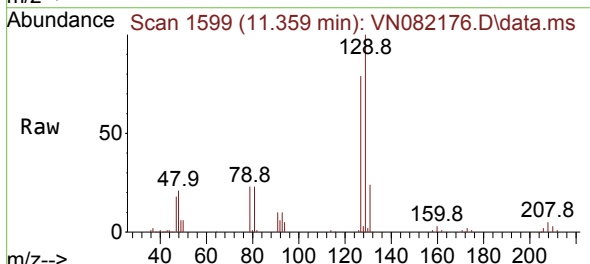
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MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

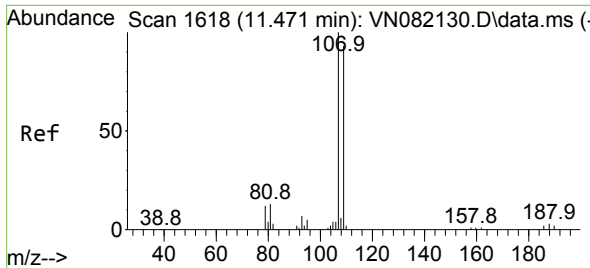
Tgt Ion: 43 Resp: 768119  
Ion Ratio Lower Upper  
43 100  
58 48.4 28.3 84.9



#60  
Dibromochloromethane  
Concen: 55.300 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion: 129 Resp: 134365  
Ion Ratio Lower Upper  
129 100  
127 77.8 38.3 114.8

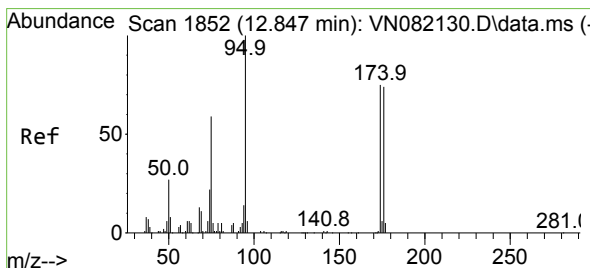
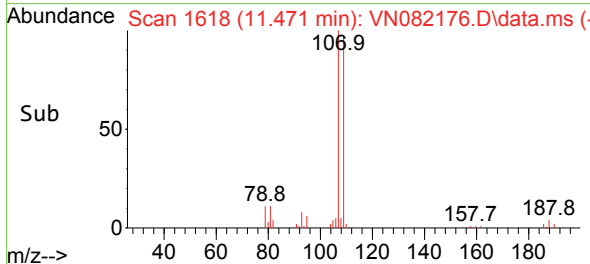
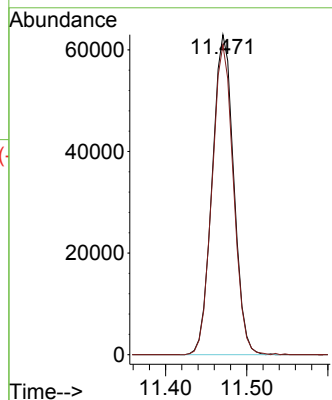
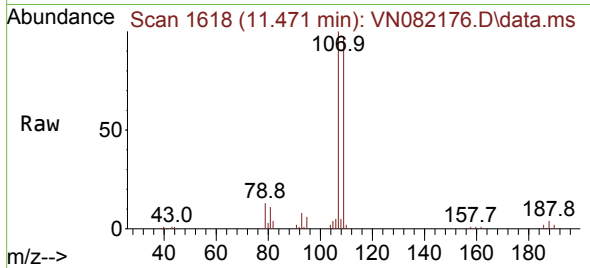




#61  
1,2-Dibromoethane  
Concen: 51.277 ug/l  
RT: 11.471 min Scan# 1618  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

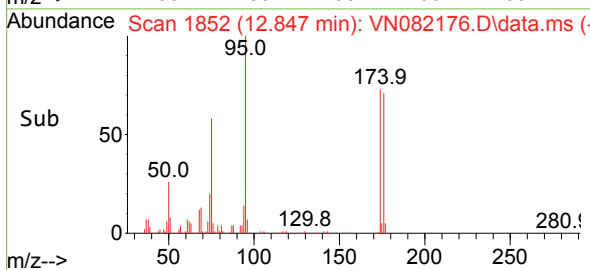
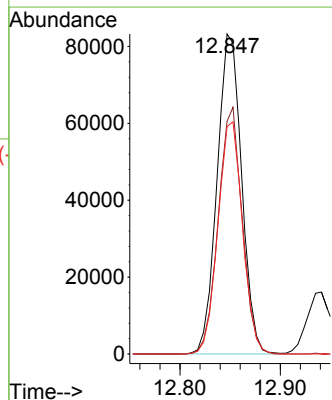
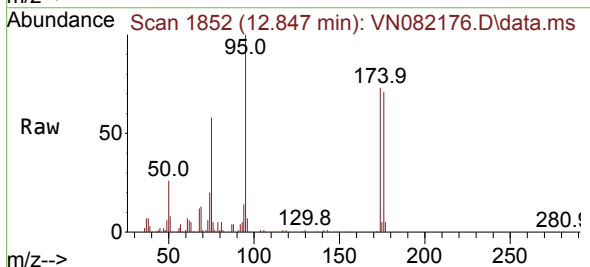
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

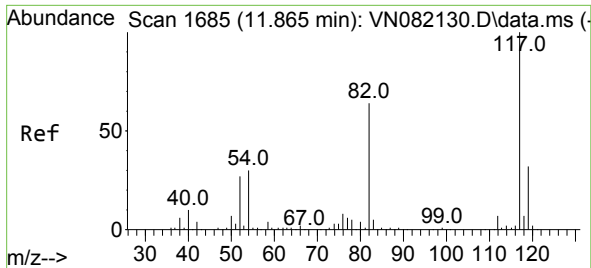
Tgt Ion:107 Resp: 115960  
Ion Ratio Lower Upper  
107 100  
109 96.1 75.8 113.6



#62  
4-Bromofluorobenzene  
Concen: 51.218 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion: 95 Resp: 141483  
Ion Ratio Lower Upper  
95 100  
174 75.2 0.0 160.6  
176 72.7 0.0 152.8

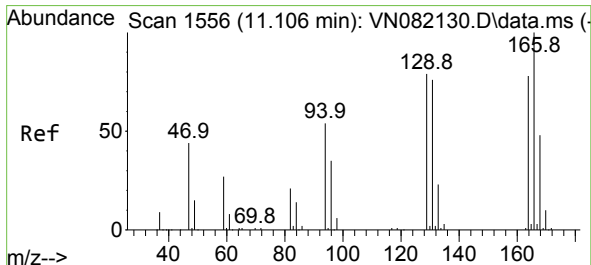
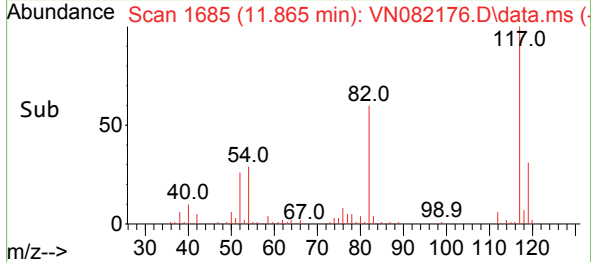
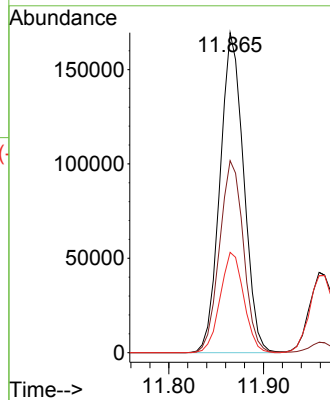
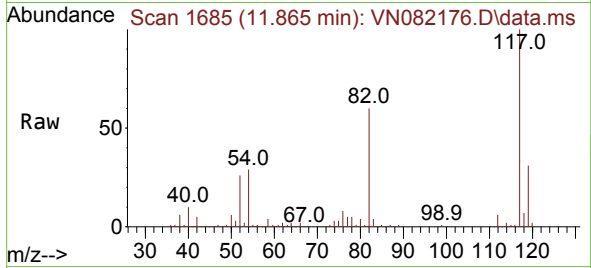




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

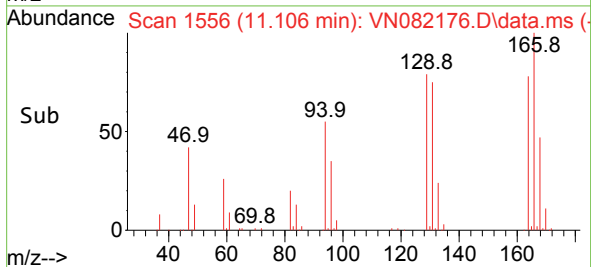
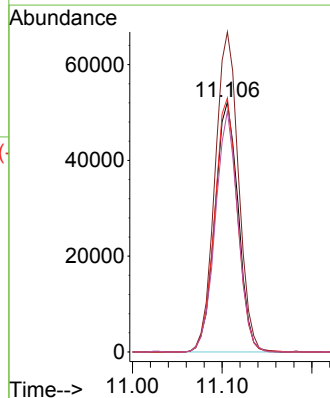
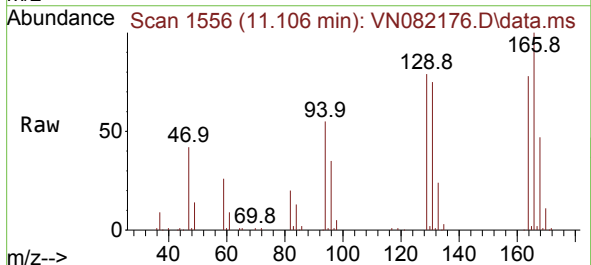
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

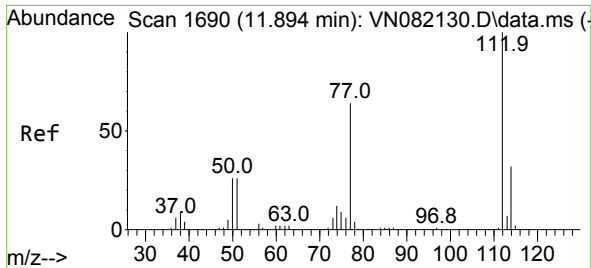
Tgt Ion:117 Resp: 294268  
Ion Ratio Lower Upper  
117 100  
82 60.0 44.6 66.8  
119 31.3 25.9 38.9



#64  
Tetrachloroethene  
Concen: 43.274 ug/l  
RT: 11.106 min Scan# 1556  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion:164 Resp: 94386  
Ion Ratio Lower Upper  
164 100  
166 128.0 97.6 146.4  
129 101.6 73.7 110.5  
131 96.3 75.8 113.6

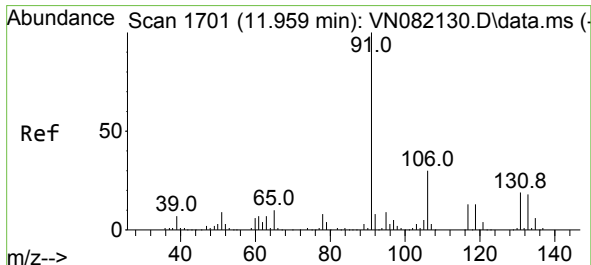
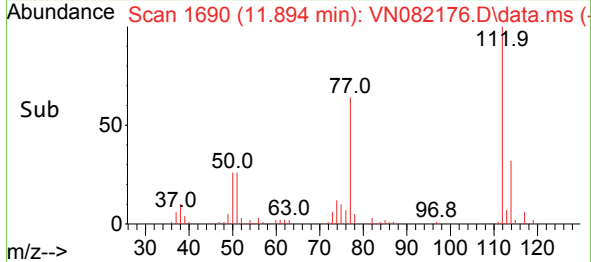
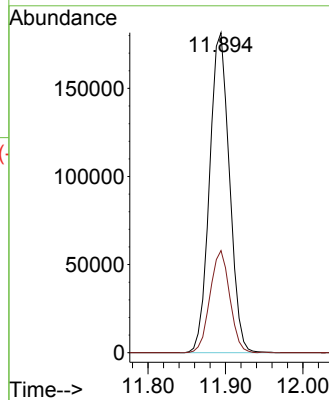
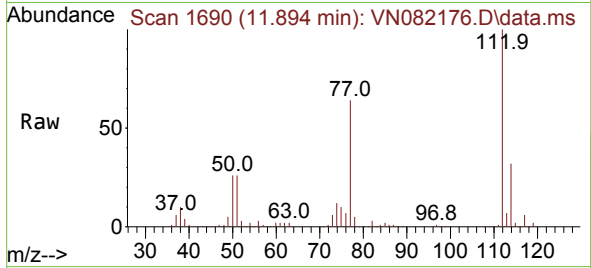




#65  
Chlorobenzene  
Concen: 49.867 ug/l  
RT: 11.894 min Scan# 1690  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

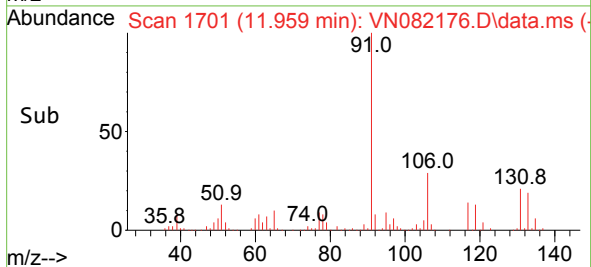
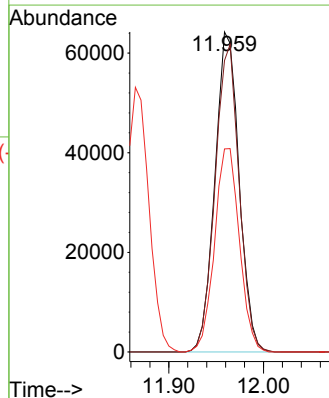
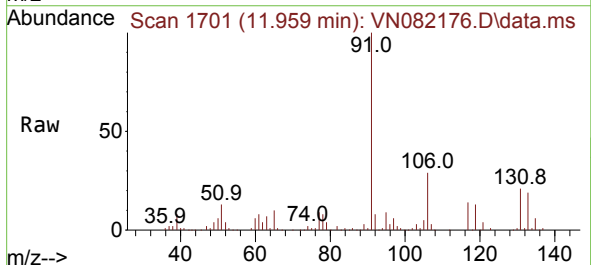
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:112 Resp: 324175  
Ion Ratio Lower Upper  
112 100  
114 31.9 25.7 38.5



#66  
1,1,1,2-Tetrachloroethane  
Concen: 53.328 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion:131 Resp: 114192  
Ion Ratio Lower Upper  
131 100  
133 95.7 47.5 142.6  
119 65.4 32.9 98.7

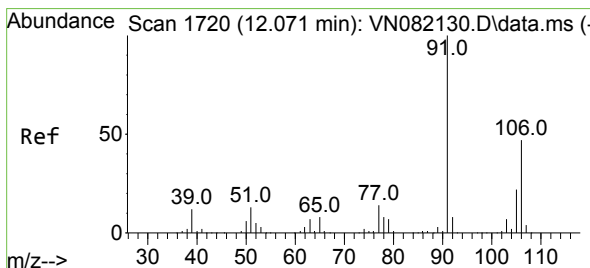
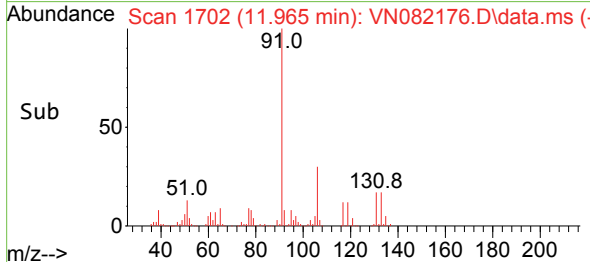
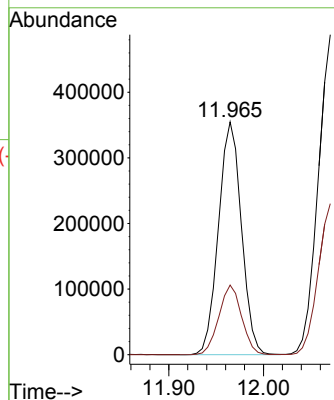
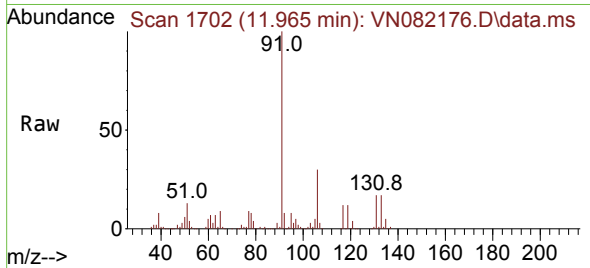




#67  
Ethyl Benzene  
Concen: 51.347 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

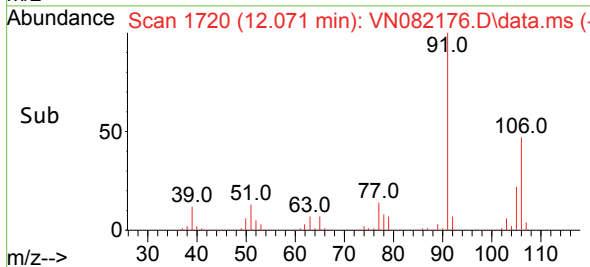
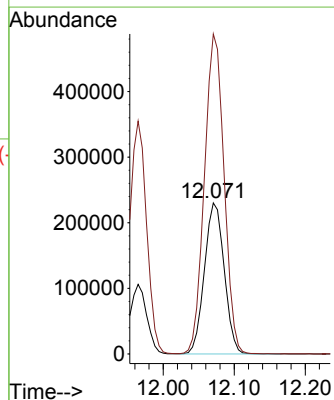
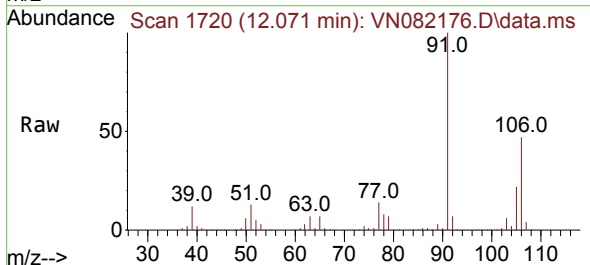
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

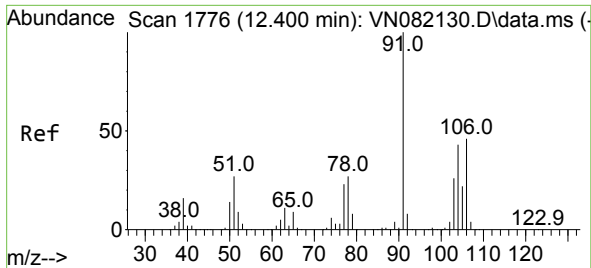
Tgt Ion: 91 Resp: 597120  
Ion Ratio Lower Upper  
91 100  
106 29.9 25.3 37.9



#68  
m/p-Xylenes  
Concen: 104.661 ug/l  
RT: 12.071 min Scan# 1720  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion:106 Resp: 446076  
Ion Ratio Lower Upper  
106 100  
91 210.5 159.4 239.0

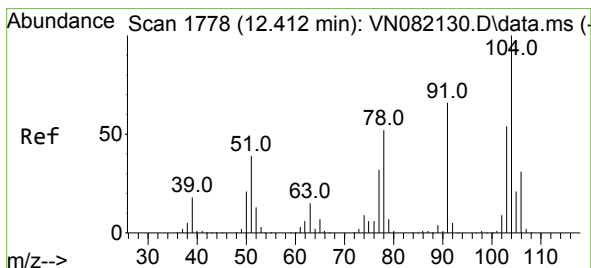
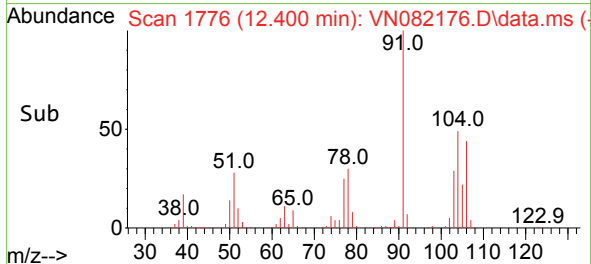
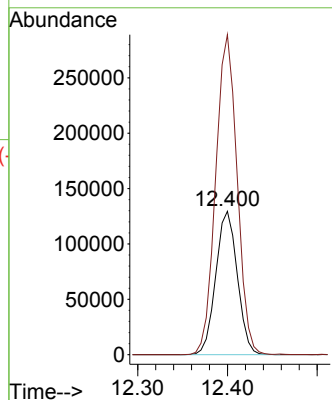
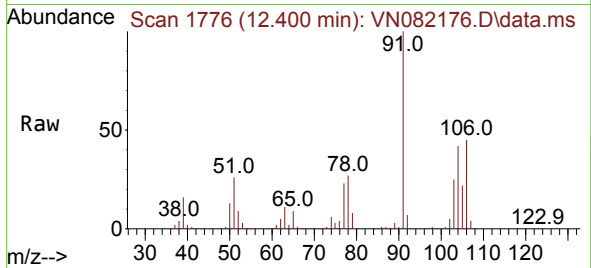




#69  
o-Xylene  
Concen: 52.257 ug/l  
RT: 12.400 min Scan# 1776  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

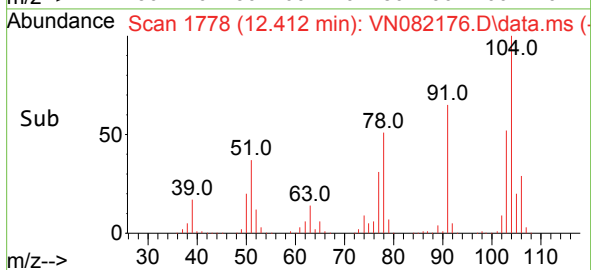
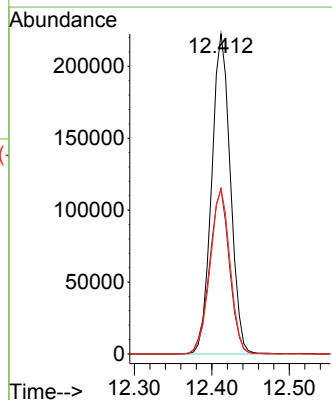
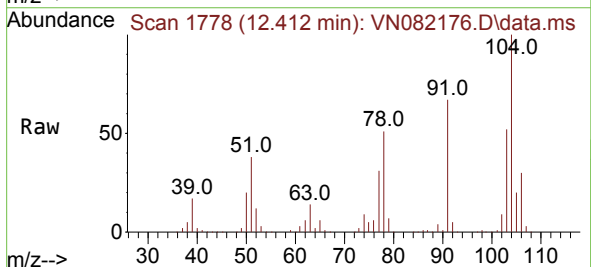
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

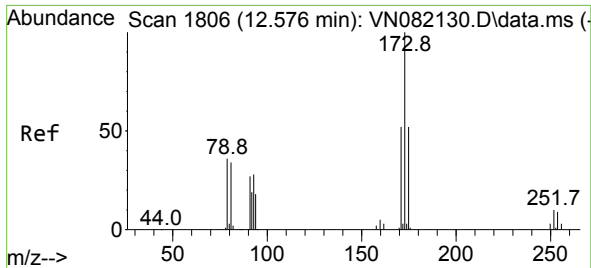
Tgt Ion:106 Resp: 215747  
Ion Ratio Lower Upper  
106 100  
91 222.4 104.7 314.1



#70  
Styrene  
Concen: 54.466 ug/l  
RT: 12.412 min Scan# 1778  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion:104 Resp: 373508  
Ion Ratio Lower Upper  
104 100  
78 54.5 38.6 58.0  
103 54.7 43.8 65.6

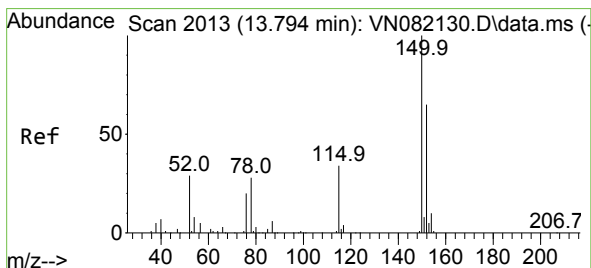
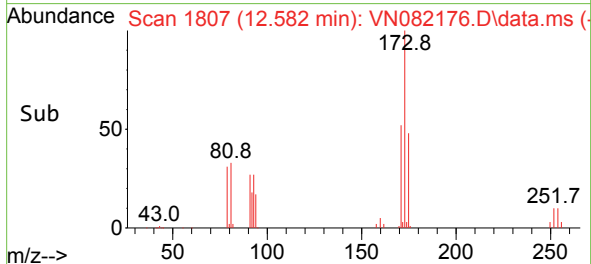
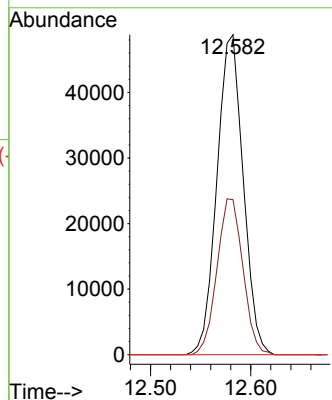
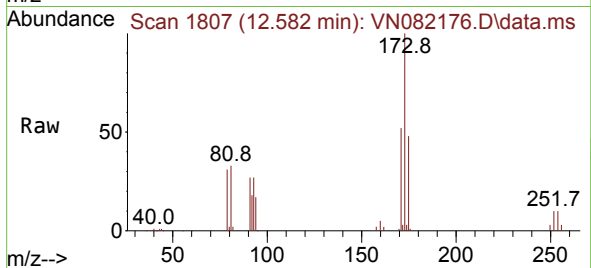




#71  
Bromoform  
Concen: 57.674 ug/l  
RT: 12.582 min Scan# 1807  
Delta R.T. 0.006 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

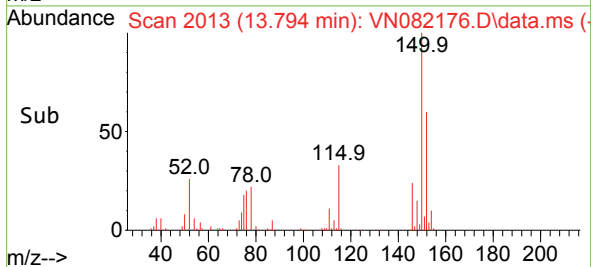
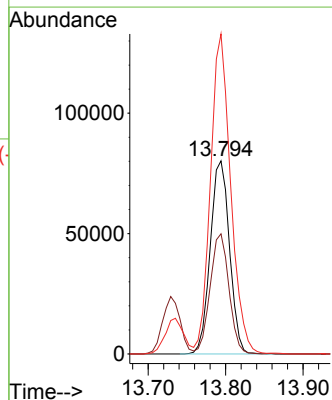
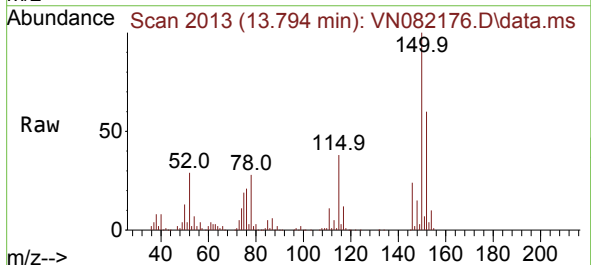
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

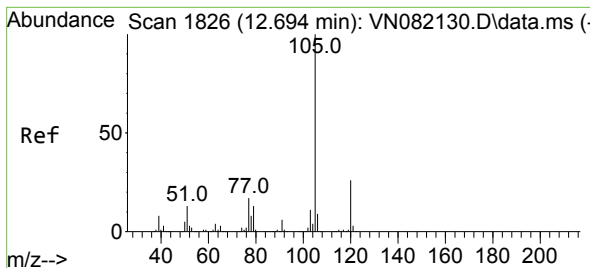
Tgt Ion:173 Resp: 88698  
Ion Ratio Lower Upper  
173 100  
175 48.2 24.6 74.0  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion:152 Resp: 138397  
Ion Ratio Lower Upper  
152 100  
115 61.0 30.4 91.3  
150 173.8 0.0 353.2





#73

Isopropylbenzene

Concen: 50.597 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN082176.D

Acq: 16 May 2024 20:54

Instrument :

MSVOA\_N

ClientSampleId :

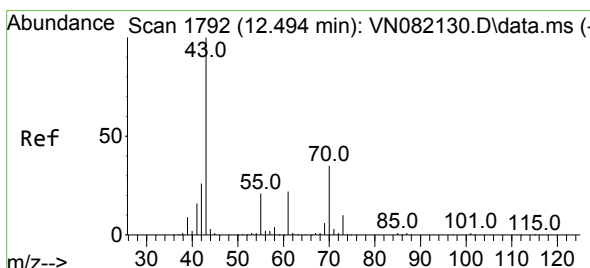
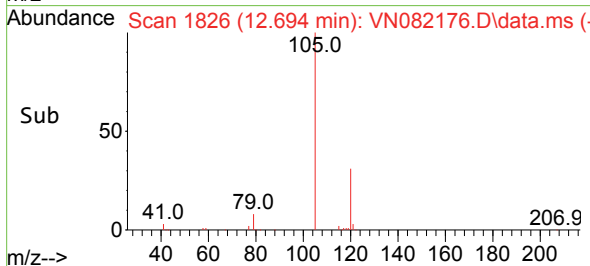
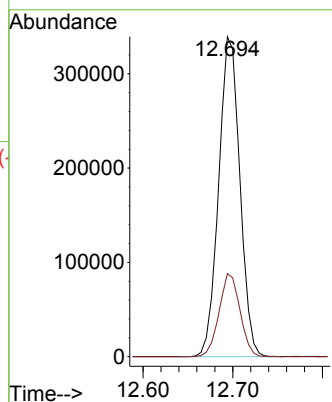
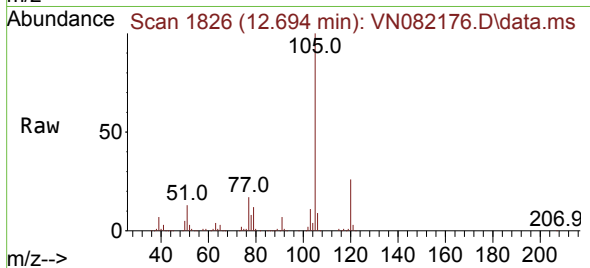
VSTDCCC050EC

Tgt Ion:105 Resp: 556302

Ion Ratio Lower Upper

105 100

120 25.6 13.4 40.1



#74

N-ethyl acetate

Concen: 54.157 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VN082176.D

Acq: 16 May 2024 20:54

Tgt Ion: 43 Resp: 327533

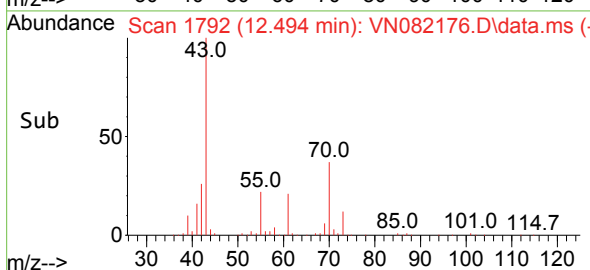
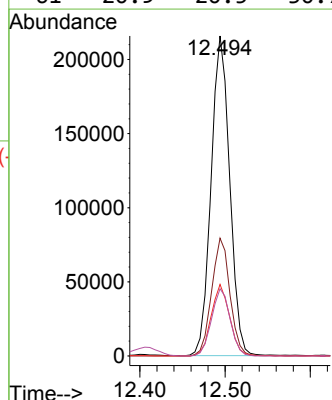
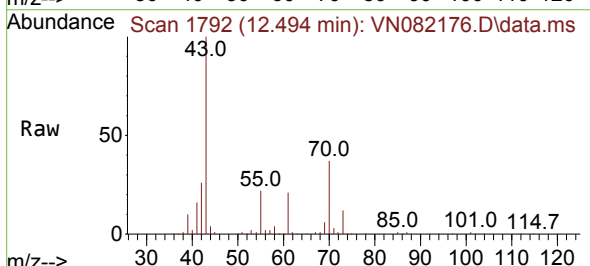
Ion Ratio Lower Upper

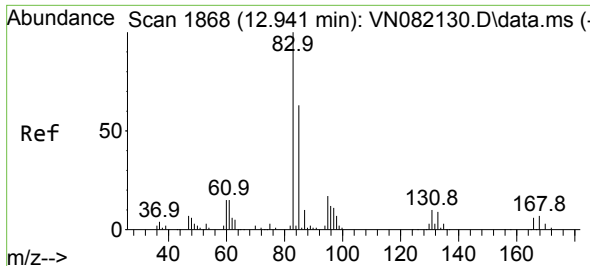
43 100

70 36.3 39.0 58.4#

55 22.2 21.3 31.9

61 20.9 20.5 30.7

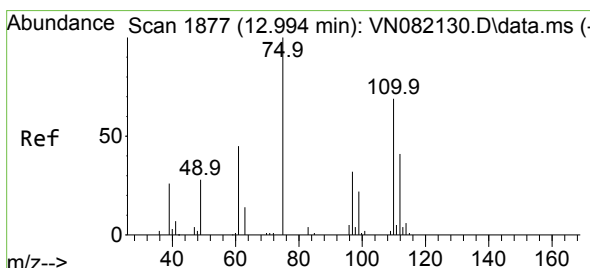
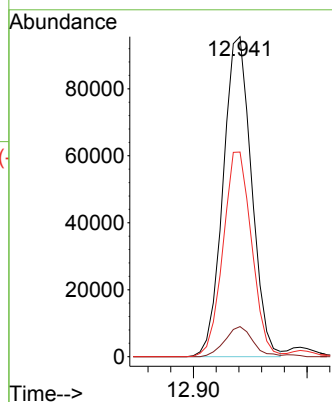
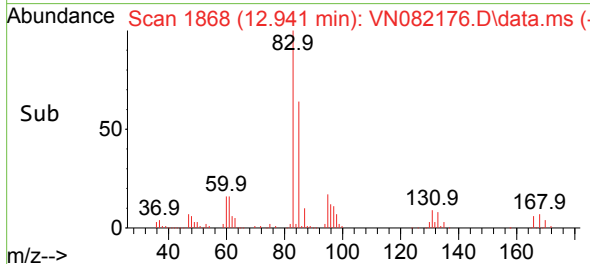
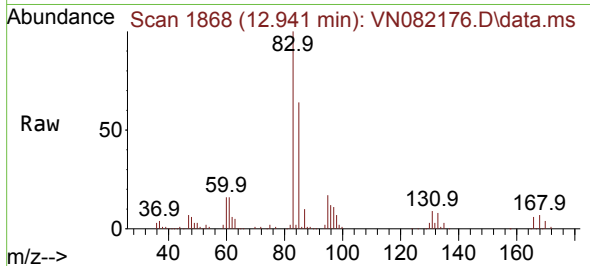




#75  
1,1,2,2-Tetrachloroethane  
Concen: 52.419 ug/l  
RT: 12.941 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

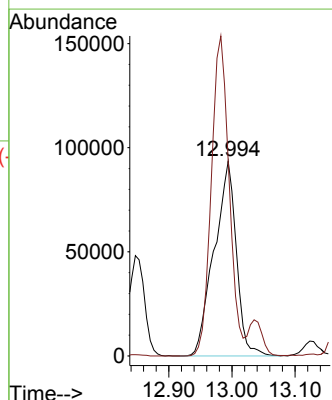
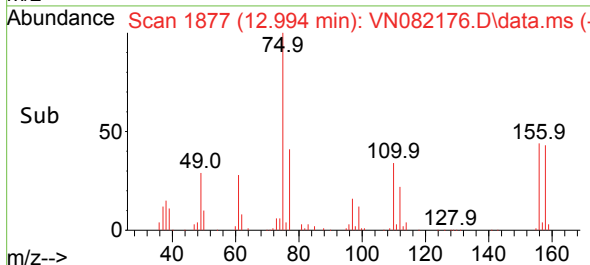
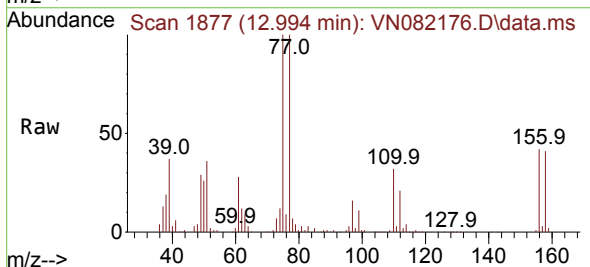
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

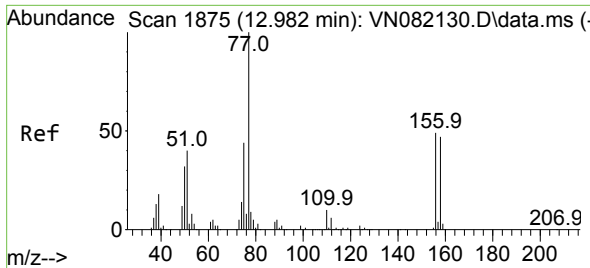
Tgt Ion: 83 Resp: 166137  
Ion Ratio Lower Upper  
83 100  
131 9.5 5.5 16.4  
85 64.3 32.9 98.6



#76  
1,2,3-Trichloropropane  
Concen: 78.434 ug/l  
RT: 12.994 min Scan# 1877  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion: 75 Resp: 228474  
Ion Ratio Lower Upper  
75 100  
77 131.6 90.5 271.3

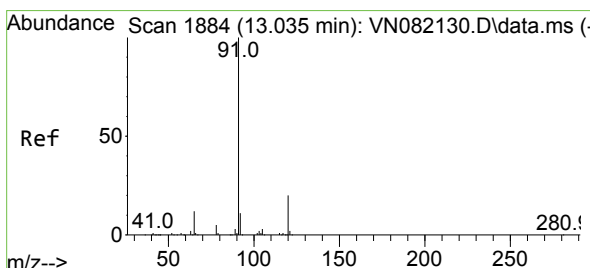
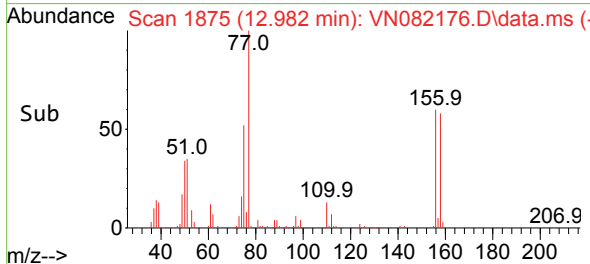
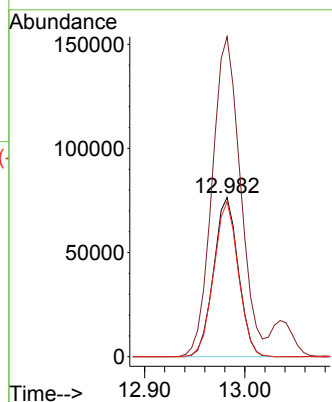
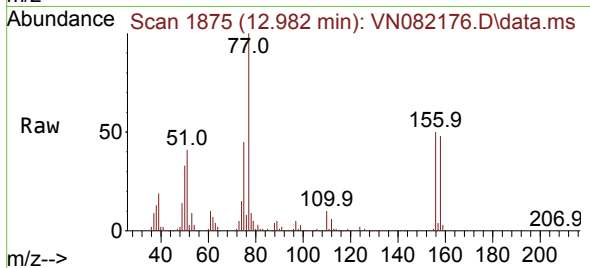




#77  
Bromobenzene  
Concen: 49.808 ug/l  
RT: 12.982 min Scan# 1875  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

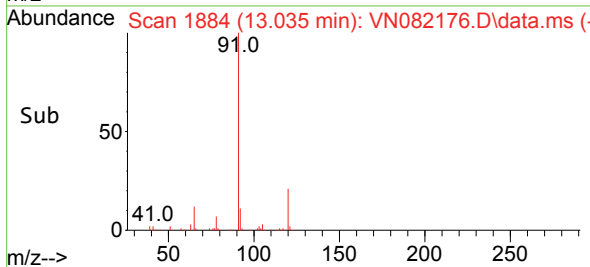
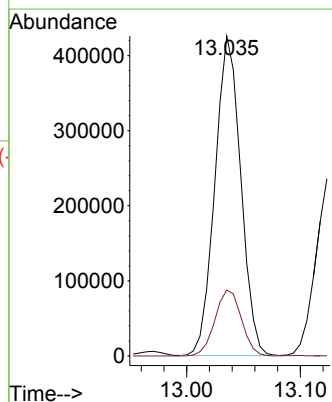
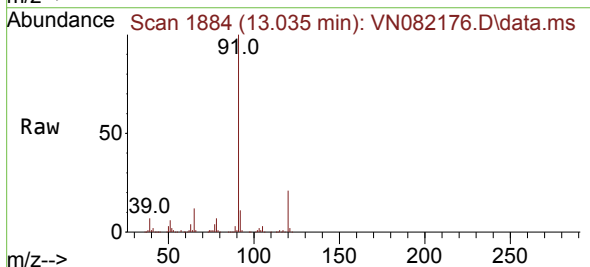
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

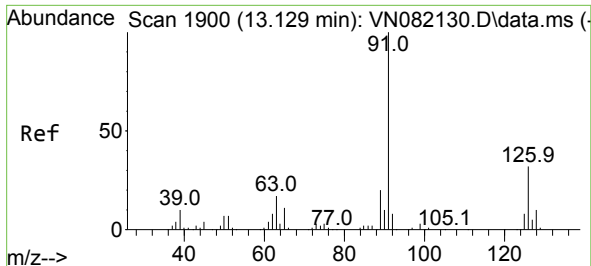
Tgt Ion:156 Resp: 130507  
Ion Ratio Lower Upper  
156 100  
77 230.4 100.2 300.6  
158 97.1 49.1 147.3



#78  
n-propylbenzene  
Concen: 51.601 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion: 91 Resp: 671829  
Ion Ratio Lower Upper  
91 100  
120 21.2 11.7 35.0

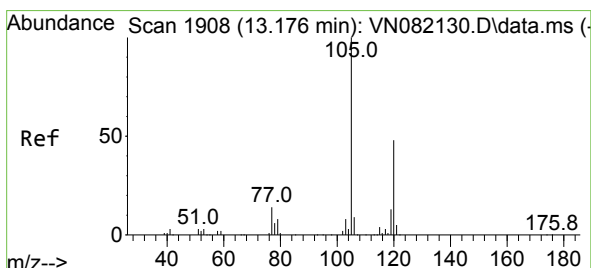
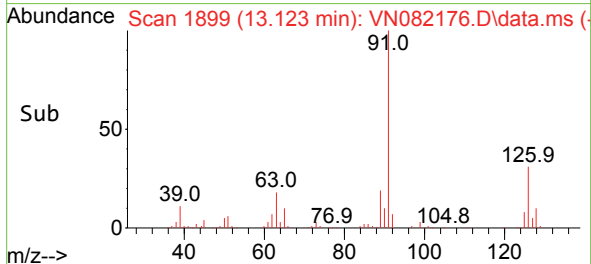
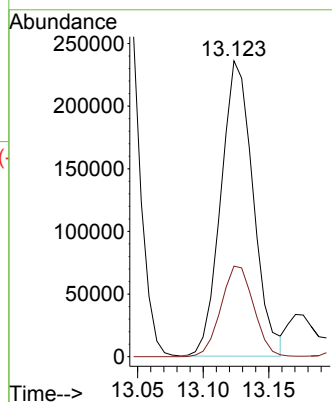
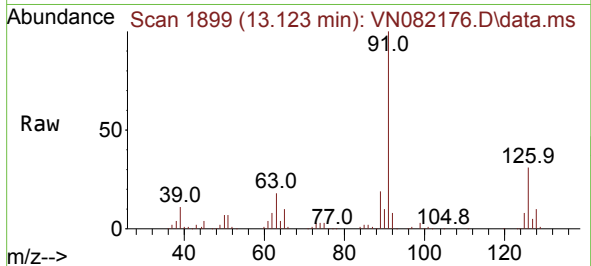




#79  
2-Chlorotoluene  
Concen: 49.479 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. -0.006 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

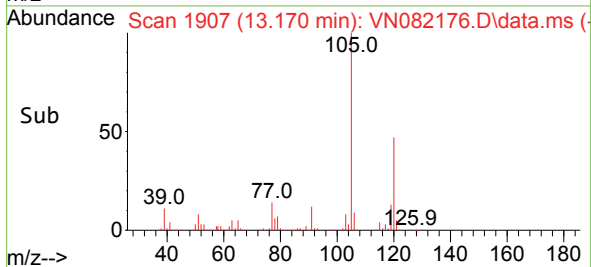
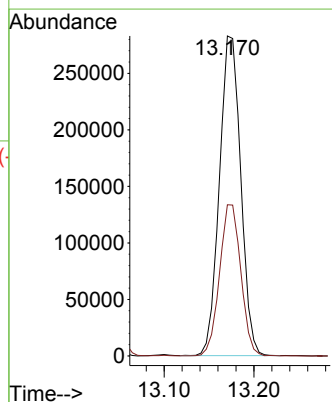
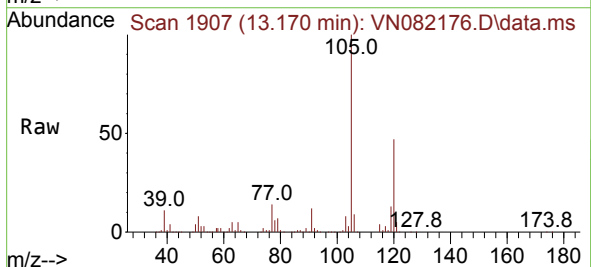
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

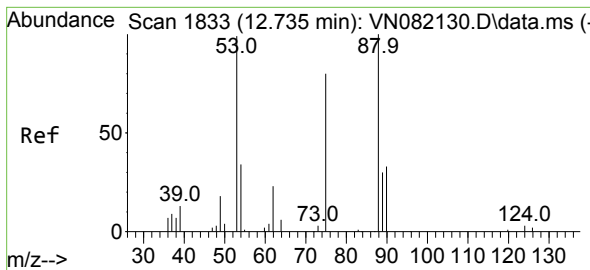
Tgt Ion: 91 Resp: 404525  
Ion Ratio Lower Upper  
91 100  
126 31.1 17.5 52.5



#80  
1,3,5-Trimethylbenzene  
Concen: 52.508 ug/l  
RT: 13.170 min Scan# 1907  
Delta R.T. -0.006 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion:105 Resp: 466813  
Ion Ratio Lower Upper  
105 100  
120 47.2 24.8 74.3

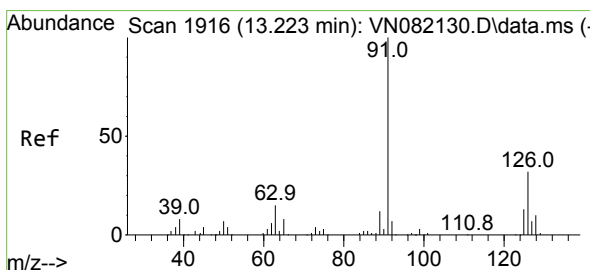
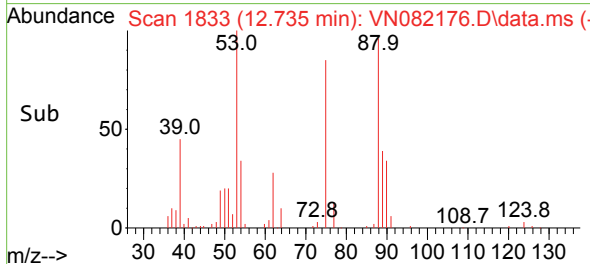
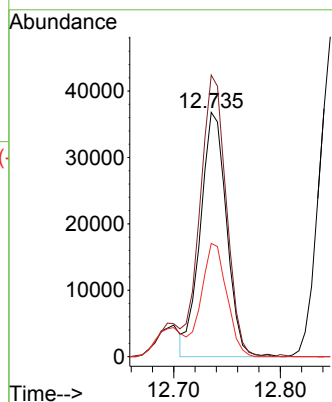
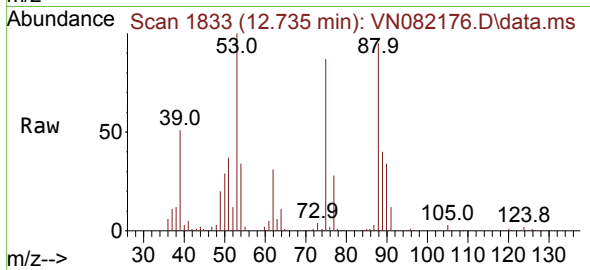




#81  
trans-1,4-Dichloro-2-butene  
Concen: 50.426 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

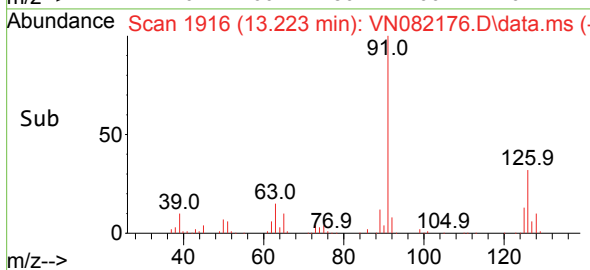
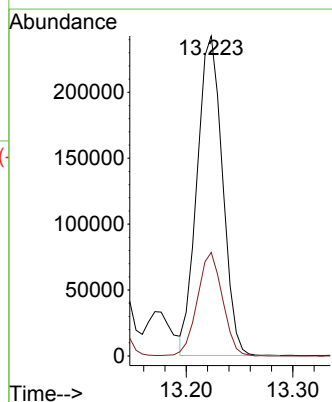
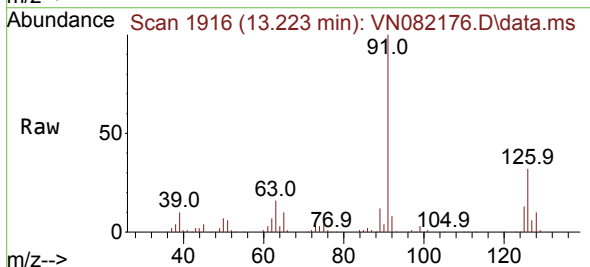
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

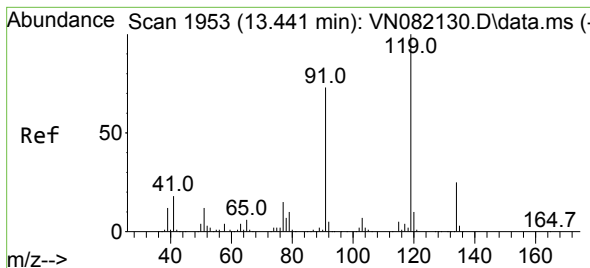
Tgt Ion: 75 Resp: 62800  
Ion Ratio Lower Upper  
75 100  
53 128.2 72.9 109.3#  
89 44.9 39.1 58.7



#82  
4-Chlorotoluene  
Concen: 50.237 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion: 91 Resp: 401567  
Ion Ratio Lower Upper  
91 100  
126 32.1 17.4 52.3





#83

tert-Butylbenzene

Concen: 51.342 ug/l

RT: 13.441 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VN082176.D

Acq: 16 May 2024 20:54

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

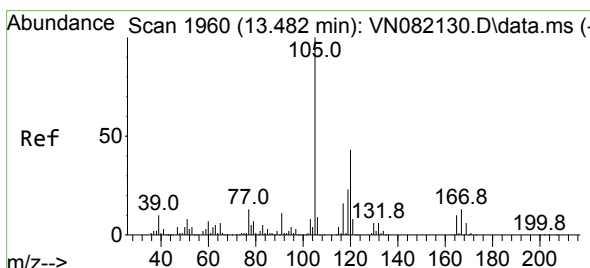
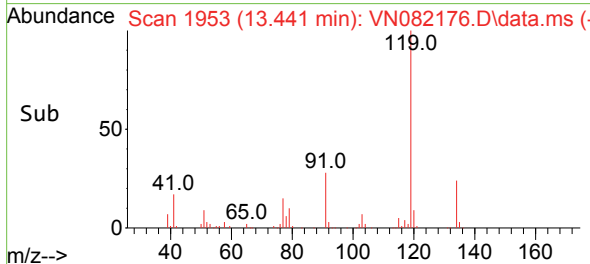
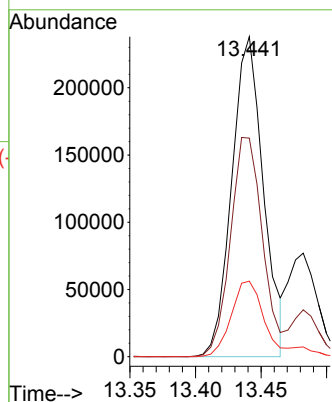
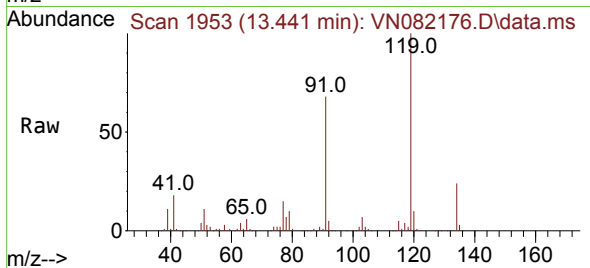
Tgt Ion:119 Resp: 399326

Ion Ratio Lower Upper

119 100

91 69.4 32.6 97.8

134 24.3 12.4 37.0



#84

1,2,4-Trimethylbenzene

Concen: 52.557 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VN082176.D

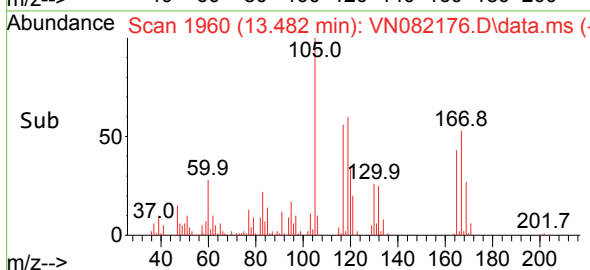
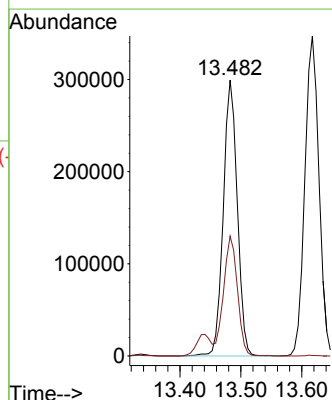
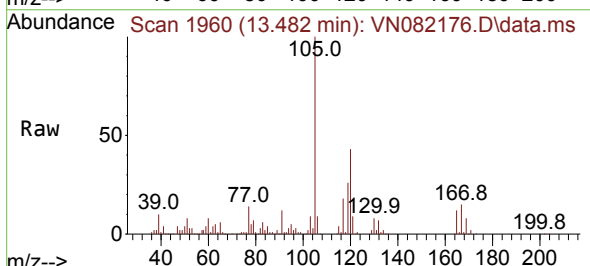
Acq: 16 May 2024 20:54

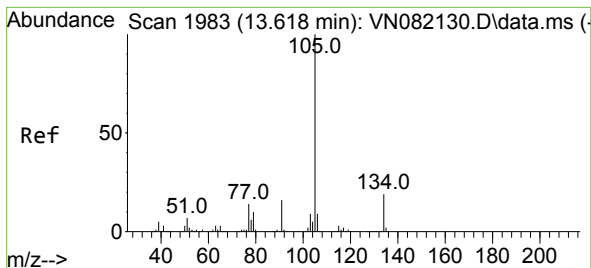
Tgt Ion:105 Resp: 478042

Ion Ratio Lower Upper

105 100

120 43.4 22.9 68.7





#85

sec-Butylbenzene

Concen: 51.768 ug/l

RT: 13.617 min Scan# 1983

Delta R.T. -0.000 min

Lab File: VN082176.D

Acq: 16 May 2024 20:54

Instrument :

MSVOA\_N

ClientSampleId :

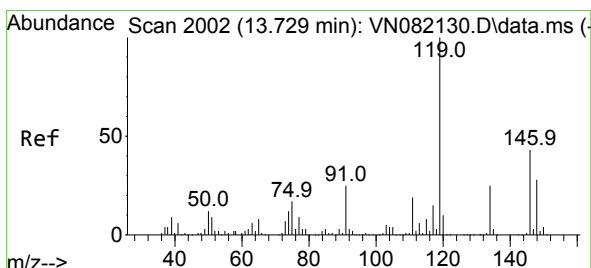
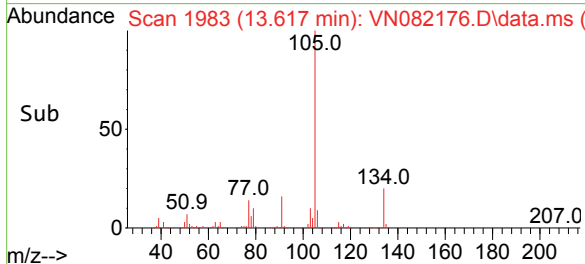
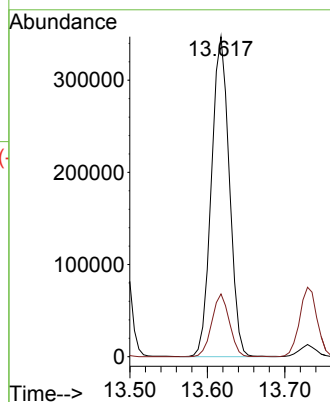
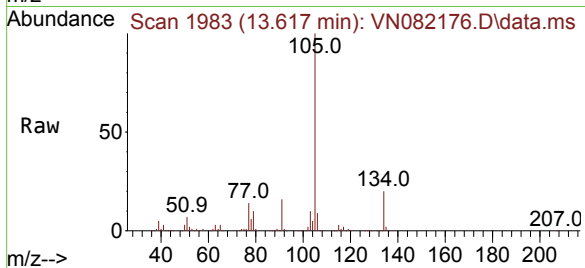
VSTDCCC050EC

Tgt Ion:105 Resp: 558092

Ion Ratio Lower Upper

105 100

134 19.3 10.2 30.4



#86

p-Isopropyltoluene

Concen: 53.023 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN082176.D

Acq: 16 May 2024 20:54

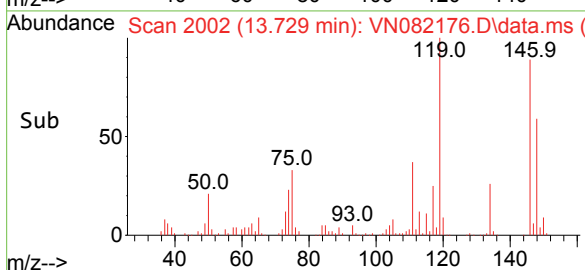
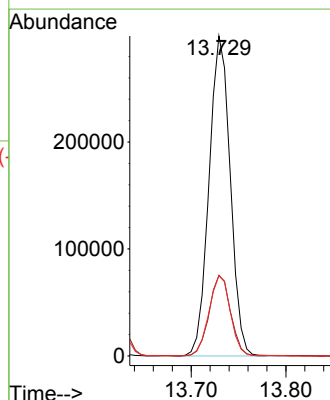
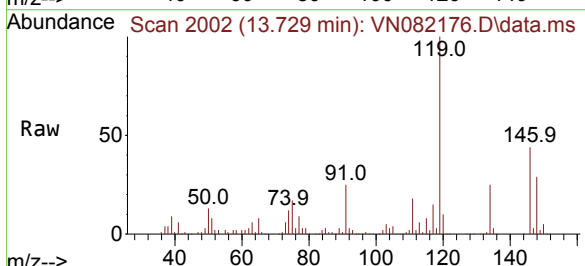
Tgt Ion:119 Resp: 464560

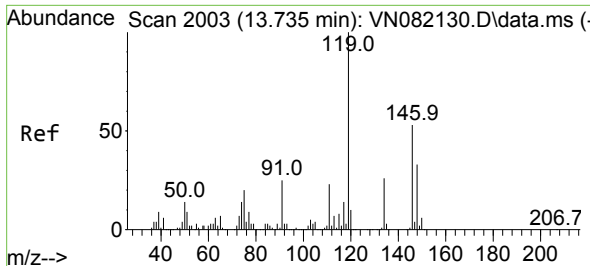
Ion Ratio Lower Upper

119 100

134 25.4 13.2 39.5

91 25.3 11.8 35.3

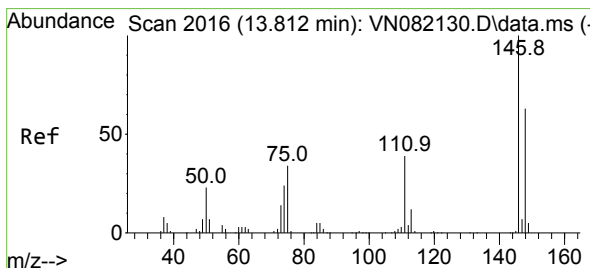
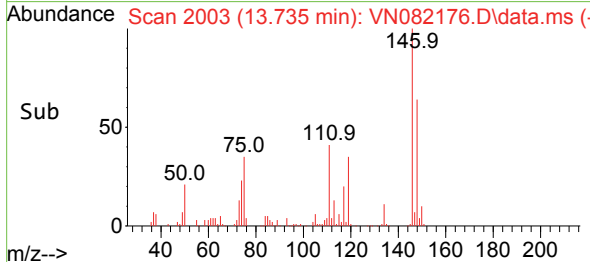
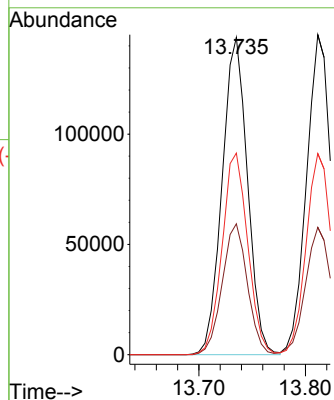
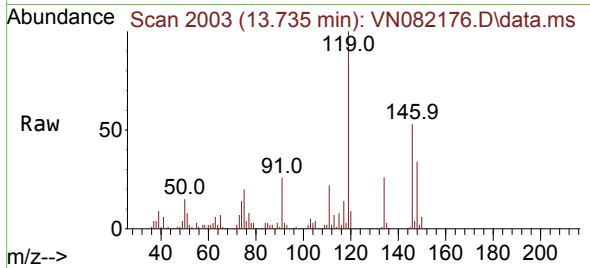




#87  
1,3-Dichlorobenzene  
Concen: 50.125 ug/l  
RT: 13.735 min Scan# 2003  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

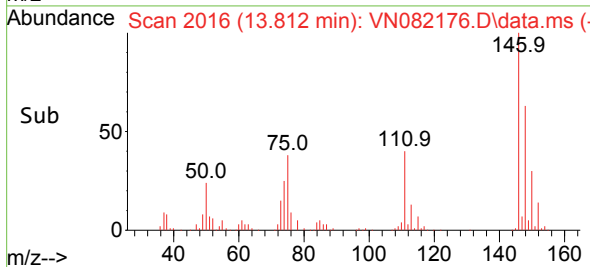
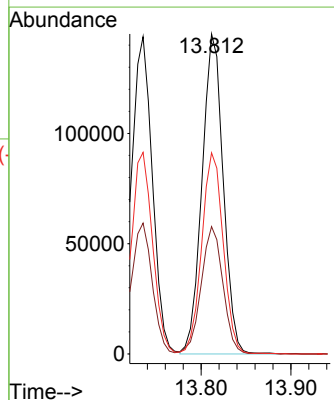
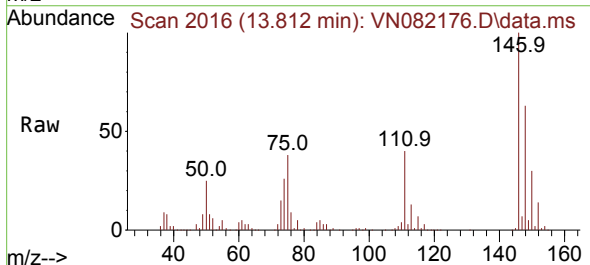
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

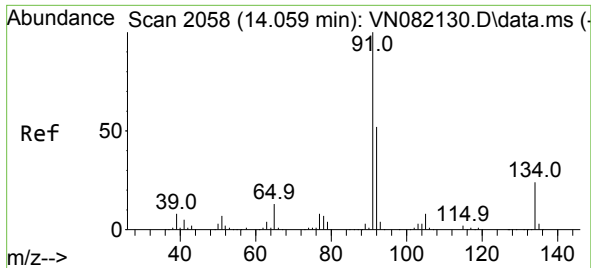
Tgt Ion:146 Resp: 237944  
Ion Ratio Lower Upper  
146 100  
111 41.0 20.8 62.5  
148 64.2 32.1 96.3



#88  
1,4-Dichlorobenzene  
Concen: 49.109 ug/l  
RT: 13.812 min Scan# 2016  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion:146 Resp: 237930  
Ion Ratio Lower Upper  
146 100  
111 40.5 19.3 57.9  
148 64.0 31.3 93.9

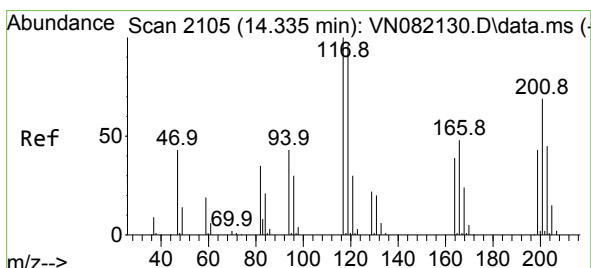
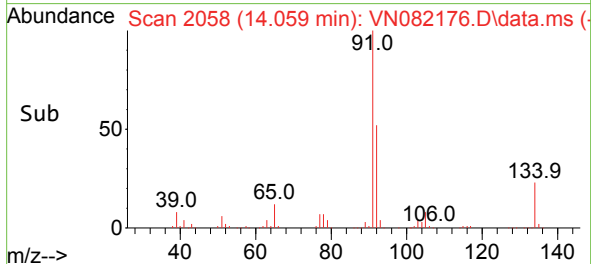
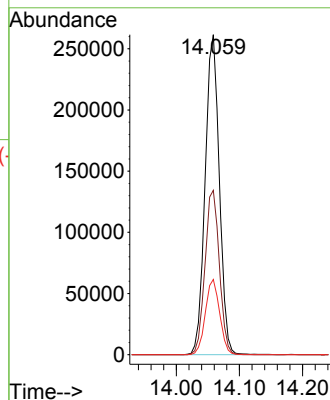
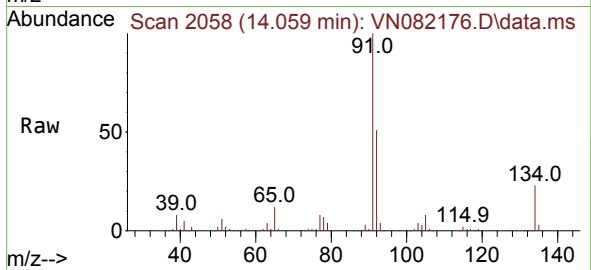




#89  
n-Butylbenzene  
Concen: 51.877 ug/l  
RT: 14.059 min Scan# 2058  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

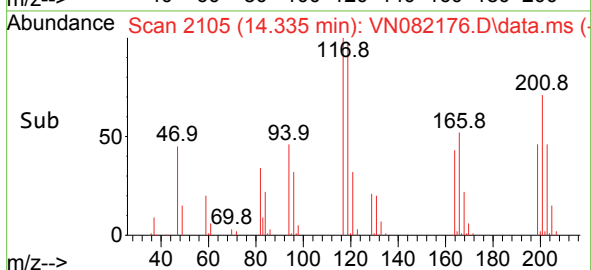
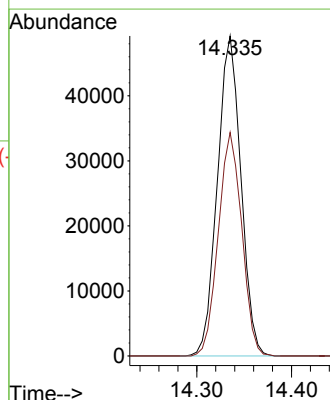
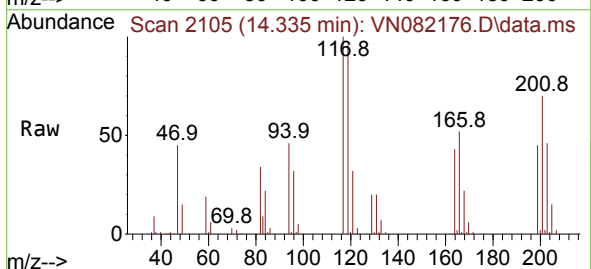
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

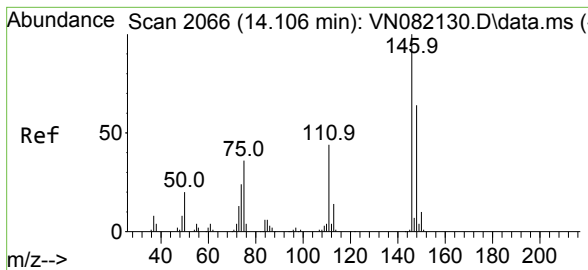
Tgt Ion: 91 Resp: 408521  
Ion Ratio Lower Upper  
91 100  
92 52.0 26.2 78.5  
134 23.7 13.2 39.5



#90  
Hexachloroethane  
Concen: 52.403 ug/l  
RT: 14.335 min Scan# 2105  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion: 117 Resp: 85065  
Ion Ratio Lower Upper  
117 100  
201 69.5 33.3 99.8

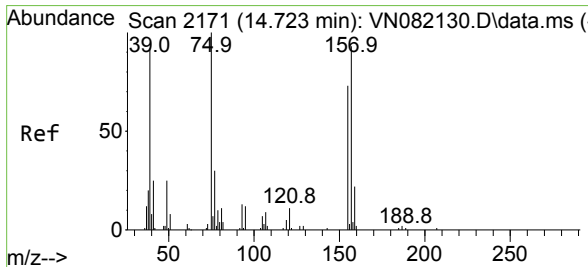
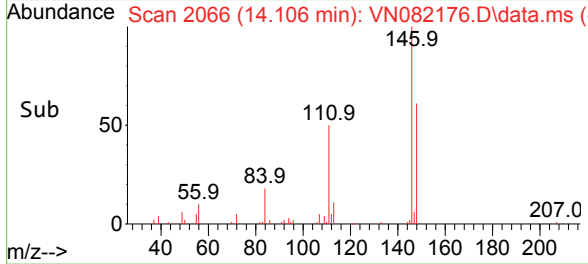
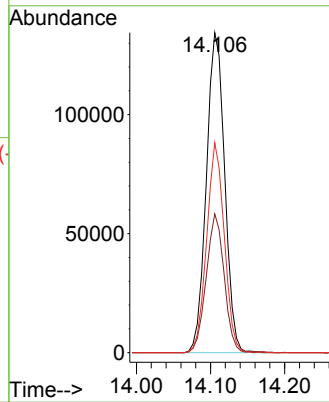
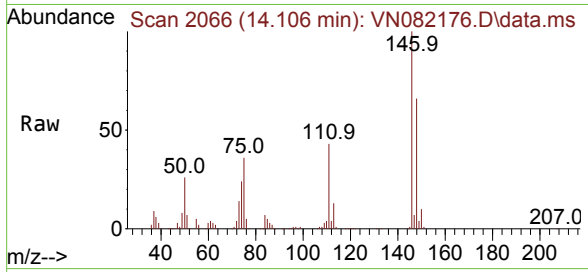




#91  
 1,2-Dichlorobenzene  
 Concen: 51.364 ug/l  
 RT: 14.106 min Scan# 2066  
 Delta R.T. -0.000 min  
 Lab File: VN082176.D  
 Acq: 16 May 2024 20:54

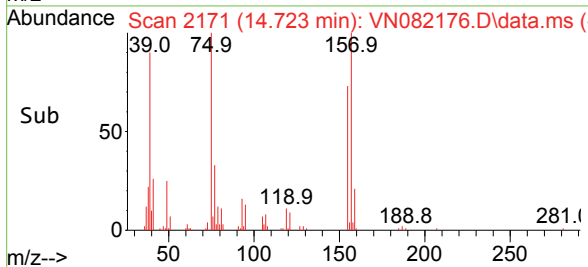
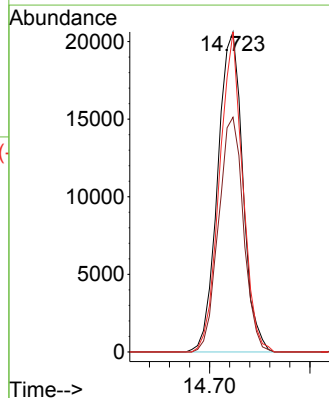
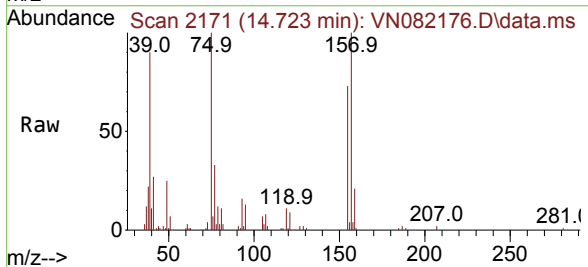
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

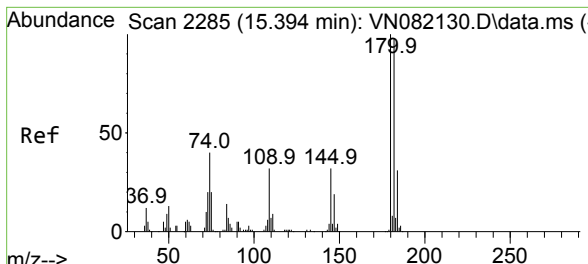
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 230801 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 111      | 42.4  | 21.3  | 64.0   |
| 148      | 63.0  | 31.8  | 95.4   |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 54.972 ug/l  
 RT: 14.723 min Scan# 2171  
 Delta R.T. -0.000 min  
 Lab File: VN082176.D  
 Acq: 16 May 2024 20:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 35797 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 72.7  | 42.6  | 128.0 |
| 157      | 91.9  | 53.0  | 159.0 |

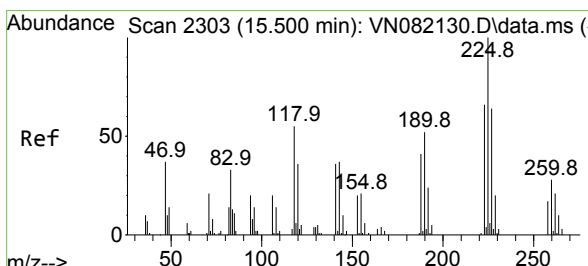
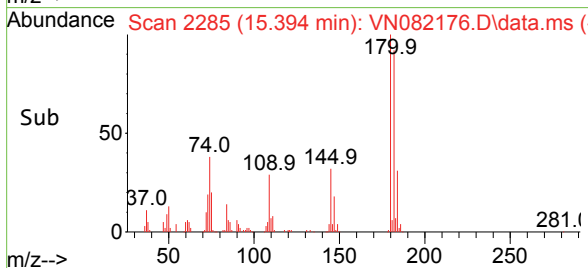
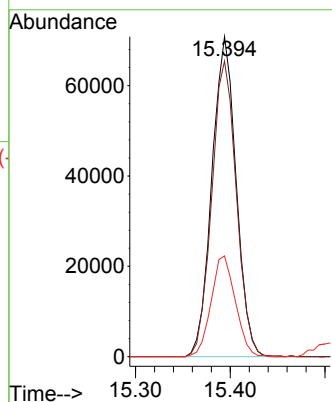
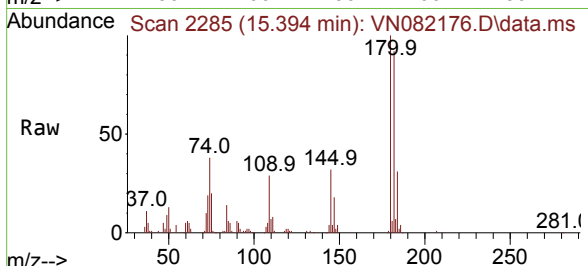




#93  
1,2,4-Trichlorobenzene  
Concen: 49.935 ug/l  
RT: 15.394 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

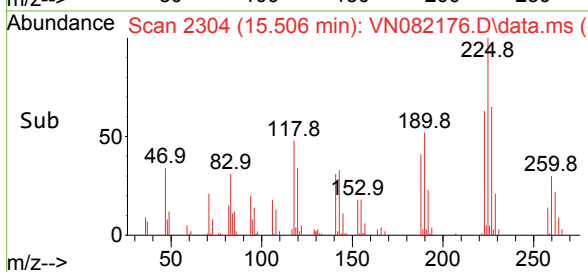
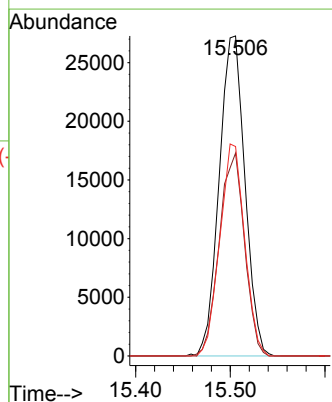
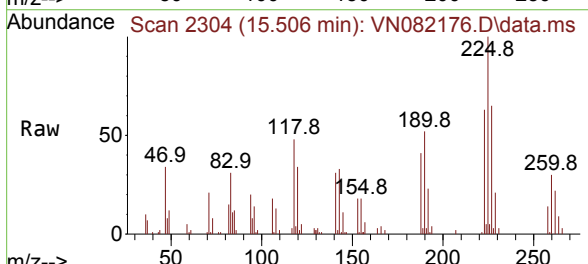
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

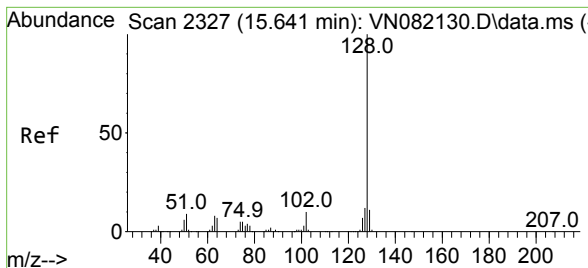
Tgt Ion:180 Resp: 125772  
Ion Ratio Lower Upper  
180 100  
182 93.9 46.7 140.0  
145 31.5 16.2 48.6



#94  
Hexachlorobutadiene  
Concen: 46.546 ug/l  
RT: 15.506 min Scan# 2304  
Delta R.T. 0.006 min  
Lab File: VN082176.D  
Acq: 16 May 2024 20:54

Tgt Ion:225 Resp: 51443  
Ion Ratio Lower Upper  
225 100  
223 62.3 31.1 93.2  
227 63.9 30.6 91.6





#95

Naphthalene

Concen: 54.035 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN082176.D

Acq: 16 May 2024 20:54

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

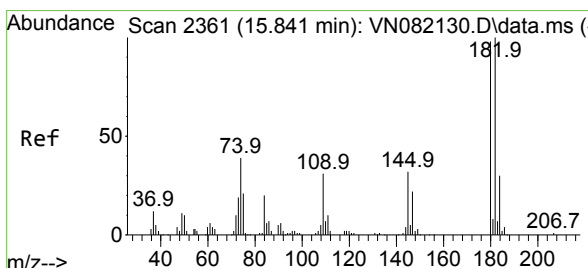
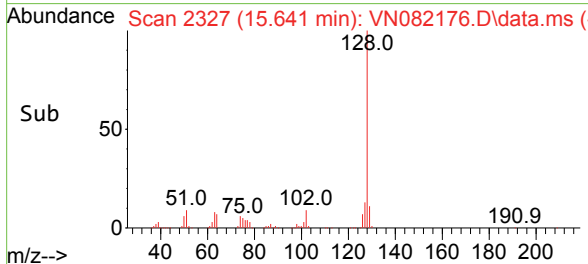
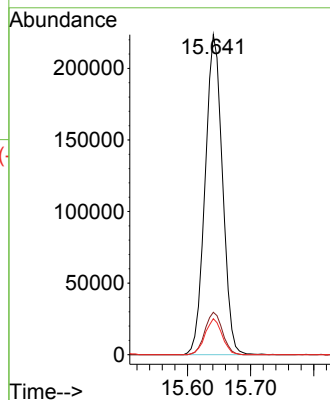
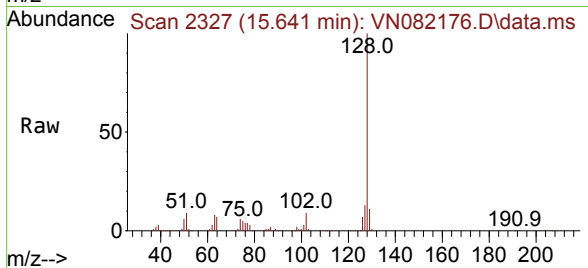
Tgt Ion:128 Resp: 426516

Ion Ratio Lower Upper

128 100

127 13.4 10.1 15.1

129 11.0 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 51.023 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.000 min

Lab File: VN082176.D

Acq: 16 May 2024 20:54

Tgt Ion:180 Resp: 128652

Ion Ratio Lower Upper

180 100

182 94.7 46.0 137.8

145 33.3 17.1 51.3

