

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN073123\  
 Data File : VN078699.D  
 Acq On : 31 Jul 2023 12:16  
 Operator : JC\MD  
 Sample : VSTDC0050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDC0050

Quant Time: Aug 01 01:14:43 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071023W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 10 16:13:53 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 738305   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 1225417  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 1093449  | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 442076   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.588  | 65    | 470086   | 47.494   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 94.980%  |
| 35) Dibromofluoromethane    | 8.177  | 113   | 423609   | 50.924   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 101.840% |
| 50) Toluene-d8              | 10.571 | 98    | 1496504  | 47.622   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 95.240%  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 537094   | 55.488   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 110.980% |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 2.136 | 85  | 410383  | 45.336  | ug/l   | 98  |
| 3) Chloromethane             | 2.371 | 50  | 427103  | 43.410  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.524 | 62  | 764146  | 60.040  | ug/l   | 99  |
| 5) Bromomethane              | 2.953 | 94  | 277298  | 32.729  | ug/l   | 100 |
| 6) Chloroethane              | 3.124 | 64  | 257298  | 32.757  | ug/l   | 97  |
| 7) Trichlorofluoromethane    | 3.506 | 101 | 648896  | 42.651  | ug/l   | 99  |
| 8) Diethyl Ether             | 3.971 | 74  | 267616  | 52.795  | ug/l   | 78  |
| 9) 1,1,2-Trichlorotrifluo... | 4.383 | 101 | 364360  | 45.241  | ug/l   | 92  |
| 10) Methyl Iodide            | 4.600 | 142 | 539851  | 48.780  | ug/l   | 93  |
| 11) Tert butyl alcohol       | 5.536 | 59  | 340091  | 222.826 | ug/l   | 100 |
| 12) 1,1-Dichloroethene       | 4.353 | 96  | 360574  | 46.284  | ug/l   | 95  |
| 13) Acrolein                 | 4.195 | 56  | 422528  | 281.378 | ug/l   | 96  |
| 14) Allyl chloride           | 5.036 | 41  | 523965  | 49.221  | ug/l   | 92  |
| 15) Acrylonitrile            | 5.730 | 53  | 990446  | 256.839 | ug/l   | 99  |
| 16) Acetone                  | 4.436 | 43  | 755645  | 245.088 | ug/l   | 98  |
| 17) Carbon Disulfide         | 4.724 | 76  | 992172  | 44.043  | ug/l   | 99  |
| 18) Methyl Acetate           | 5.036 | 43  | 645550  | 49.461  | ug/l   | 90  |
| 19) Methyl tert-butyl Ether  | 5.806 | 73  | 1321150 | 51.471  | ug/l   | 95  |
| 20) Methylene Chloride       | 5.283 | 84  | 464745  | 52.615  | ug/l   | 94  |
| 21) trans-1,2-Dichloroethene | 5.800 | 96  | 402712  | 45.873  | ug/l   | 86  |
| 22) Diisopropyl ether        | 6.683 | 45  | 1275490 | 53.511  | ug/l   | 93  |
| 23) Vinyl Acetate            | 6.612 | 43  | 3911191 | 258.105 | ug/l # | 89  |
| 24) 1,1-Dichloroethane       | 6.577 | 63  | 789618  | 49.162  | ug/l   | 98  |
| 25) 2-Butanone               | 7.488 | 43  | 1191839 | 245.573 | ug/l # | 87  |
| 26) 2,2-Dichloropropane      | 7.494 | 77  | 631695  | 48.086  | ug/l   | 97  |
| 27) cis-1,2-Dichloroethene   | 7.494 | 96  | 493760  | 48.619  | ug/l   | 92  |
| 28) Bromochloromethane       | 7.824 | 49  | 387392  | 51.208  | ug/l   | 89  |
| 29) Tetrahydrofuran          | 7.847 | 42  | 783069  | 245.894 | ug/l # | 83  |
| 30) Chloroform               | 7.971 | 83  | 804955  | 48.138  | ug/l   | 95  |
| 31) Cyclohexane              | 8.265 | 56  | 616380  | 46.080  | ug/l   | 88  |
| 32) 1,1,1-Trichloroethane    | 8.177 | 97  | 685313  | 45.711  | ug/l   | 97  |
| 36) 1,1-Dichloropropene      | 8.377 | 75  | 577232  | 48.058  | ug/l   | 97  |
| 37) Ethyl Acetate            | 7.571 | 43  | 503775  | 50.314  | ug/l   | 96  |
| 38) Carbon Tetrachloride     | 8.371 | 117 | 604127  | 46.278  | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.606 | 83  | 556064  | 50.719  | ug/l # | 88  |
| 40) Benzene                  | 8.612 | 78  | 1795051 | 50.445  | ug/l   | 98  |

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 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Aug 01 01:14:43 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071023W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 10 16:13:53 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.783  | 41   | 267628   | 52.431  | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 595337   | 49.187  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.694  | 43   | 832671   | 50.512  | ug/l   | 97       |
| 44) Trichloroethene           | 9.359  | 130  | 443599   | 46.253  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 481870   | 53.467  | ug/l   | 99       |
| 46) Dibromomethane            | 9.718  | 93   | 315345   | 49.713  | ug/l   | 88       |
| 47) Bromodichloromethane      | 9.894  | 83   | 641144   | 50.422  | ug/l   | 95       |
| 48) Methyl methacrylate       | 9.688  | 41   | 394008   | 51.591  | ug/l # | 85       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 148589   | 892.144 | ug/l # | 86       |
| 51) 4-Methyl-2-Pentanone      | 10.453 | 43   | 2473145  | 252.226 | ug/l   | 96       |
| 52) Toluene                   | 10.635 | 92   | 1116782  | 50.638  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.841 | 75   | 706091   | 54.204  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.318 | 75   | 779190   | 56.115  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 11.024 | 97   | 451059   | 51.910  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 682340   | 56.176  | ug/l # | 87       |
| 57) 1,3-Dichloropropane       | 11.171 | 76   | 766551   | 51.884  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 1160692  | 268.138 | ug/l   | 91       |
| 59) 2-Hexanone                | 11.200 | 43   | 1716338  | 246.291 | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.365 | 129  | 494920   | 51.593  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.476 | 107  | 453902   | 50.709  | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.106 | 164  | 385215   | 46.858  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.894 | 112  | 1172234  | 47.962  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 453884   | 48.273  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.971 | 91   | 2044075  | 49.477  | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.076 | 106  | 1541279  | 100.903 | ug/l   | 96       |
| 69) o-Xylene                  | 12.406 | 106  | 767183   | 49.725  | ug/l   | 97       |
| 70) Styrene                   | 12.418 | 104  | 1264043  | 52.369  | ug/l   | 99       |
| 71) Bromoform                 | 12.582 | 173  | 329927   | 51.811  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.700 | 105  | 1888609  | 45.466  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.500 | 43   | 643273   | 44.936  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 600413   | 51.866  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 13.000 | 75   | 731628   | 68.469  | ug/l   | 76       |
| 77) Bromobenzene              | 12.982 | 156  | 463800   | 51.386  | ug/l   | 99       |
| 78) n-propylbenzene           | 13.041 | 91   | 2080222  | 46.827  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 1337674  | 45.971  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 1558626  | 47.488  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 215911   | 53.097  | ug/l   | 89       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 1307879  | 48.181  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 1285236  | 46.123  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 1572162  | 49.315  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.623 | 105  | 1622343  | 46.061  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.735 | 119  | 1347844  | 47.658  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 752317   | 47.177  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.817 | 146  | 738058   | 45.950  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.059 | 91   | 1029850  | 50.892  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.341 | 117  | 254450   | 48.932  | ug/l   | 78       |
| 91) 1,2-Dichlorobenzene       | 14.112 | 146  | 730875   | 46.054  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 94073    | 47.198  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 15.400 | 180  | 226575   | 44.734  | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 154681   | 59.850  | ug/l   | 99       |
| 95) Naphthalene               | 15.647 | 128  | 691289   | 39.924  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.847 | 180  | 258722   | 44.424  | ug/l   | 95       |

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Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Quant Time: Aug 01 01:14:43 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071023W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 10 16:13:53 2023  
Response via : Initial Calibration

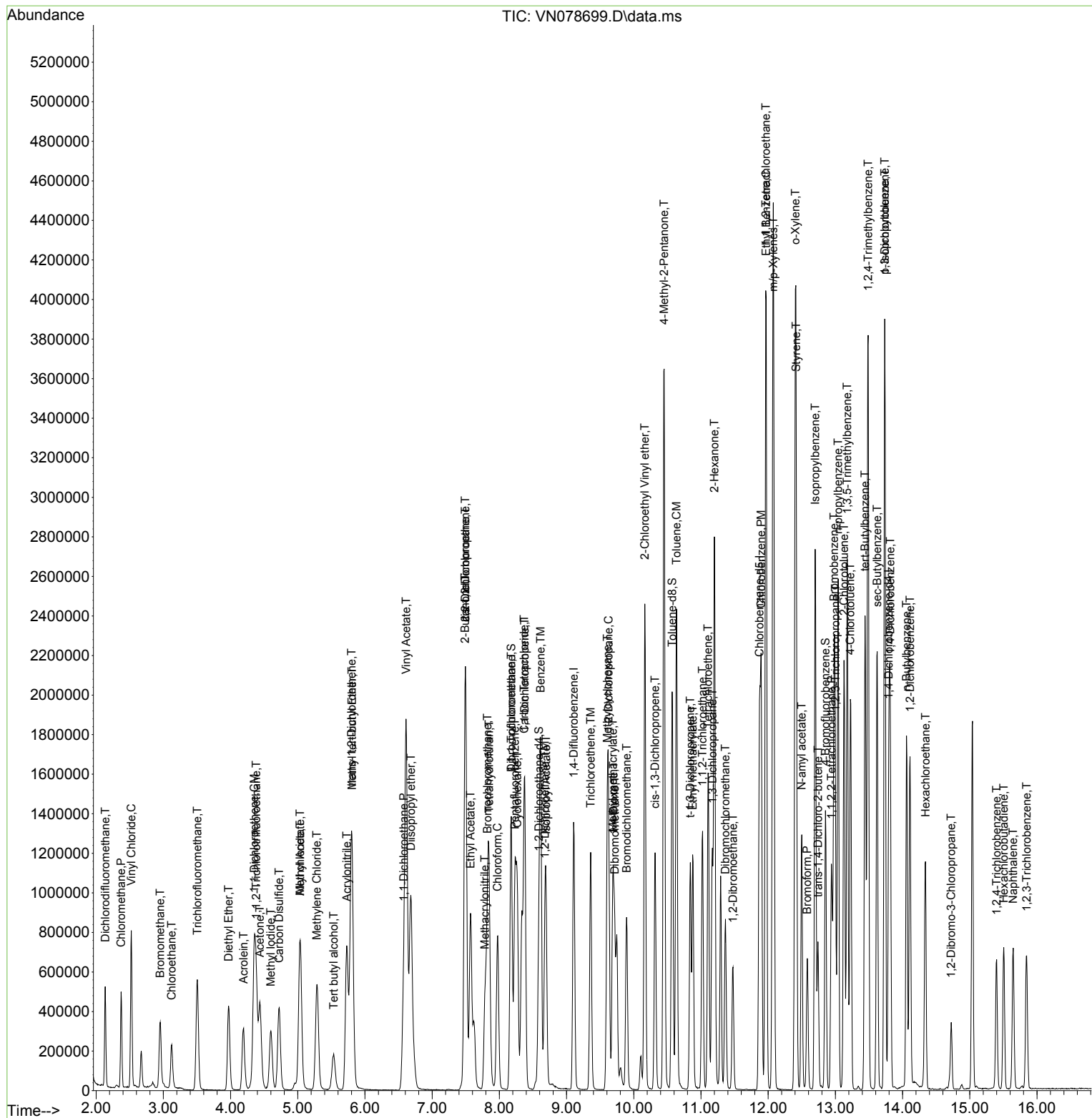
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

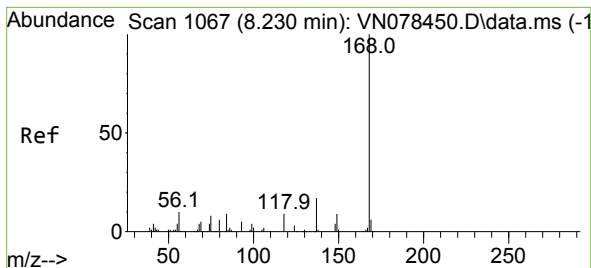
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN073123\  
 Data File : VN078699.D  
 Acq On : 31 Jul 2023 12:16  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Aug 01 01:14:43 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071023W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 10 16:13:53 2023  
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.000 min

Lab File: VN078699.D

Acq: 31 Jul 2023 12:16

Instrument :

MSVOA\_N

ClientSampleId :

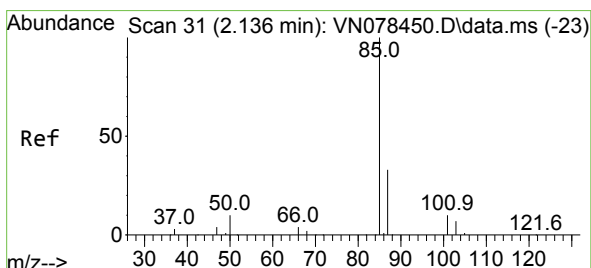
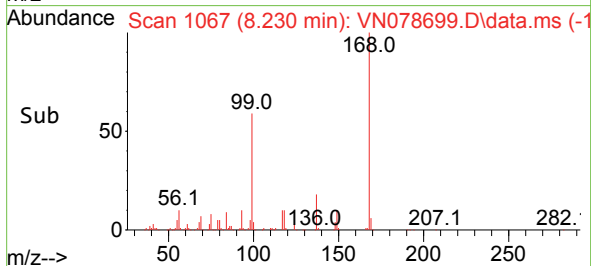
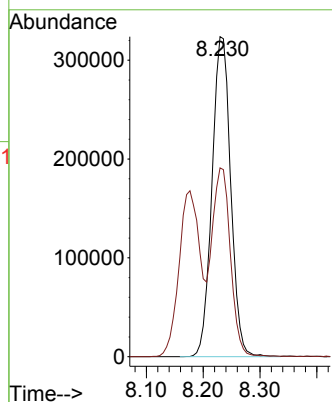
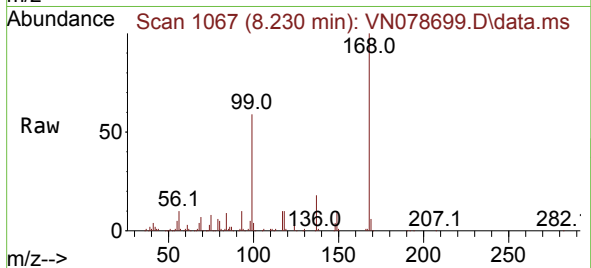
VSTDCCC050

Tgt Ion:168 Resp: 738305

Ion Ratio Lower Upper

168 100

99 58.8 53.0 79.6



#2

Dichlorodifluoromethane

Concen: 45.336 ug/l

RT: 2.136 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN078699.D

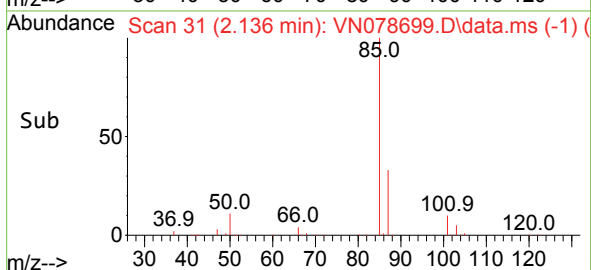
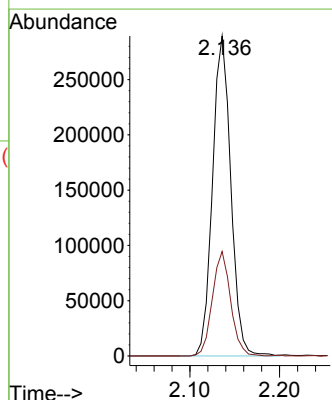
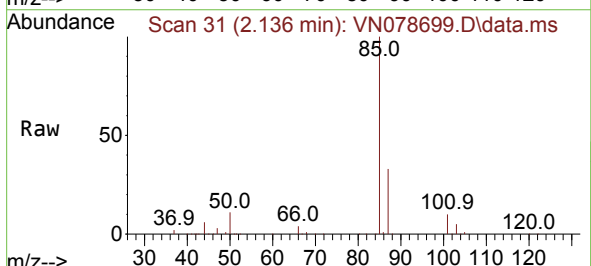
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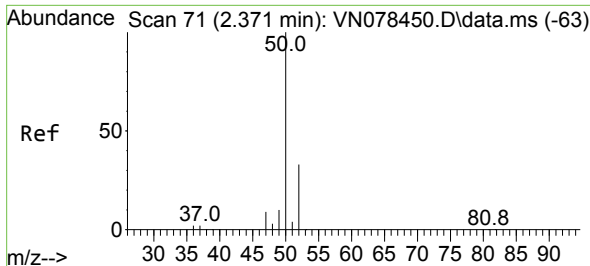
Tgt Ion: 85 Resp: 410383

Ion Ratio Lower Upper

85 100

87 32.7 15.8 47.4

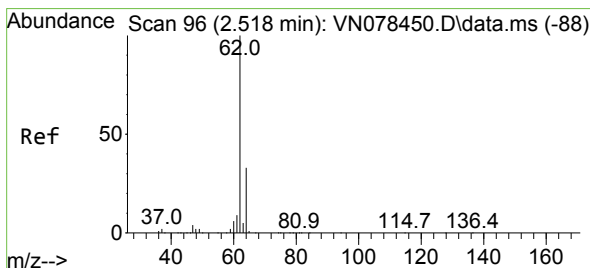
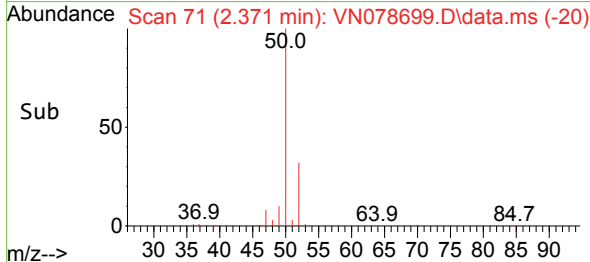
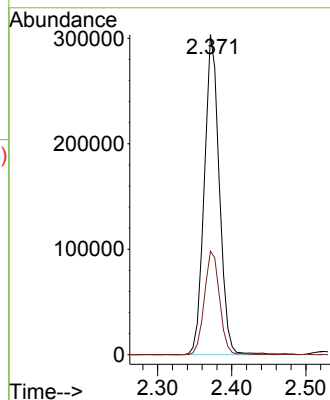
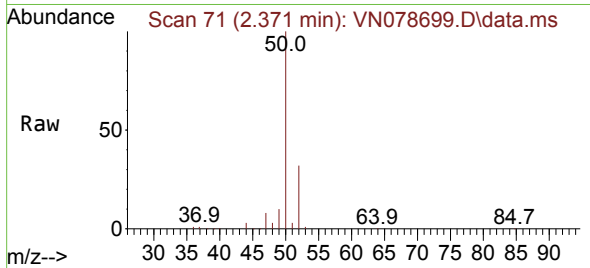




#3  
Chloromethane  
Concen: 43.410 ug/l  
RT: 2.371 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

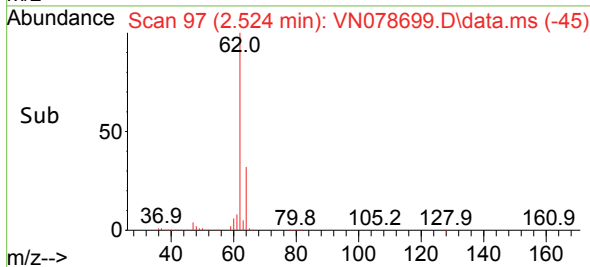
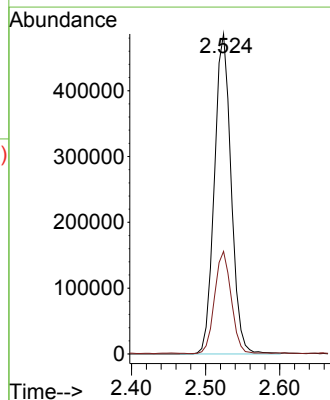
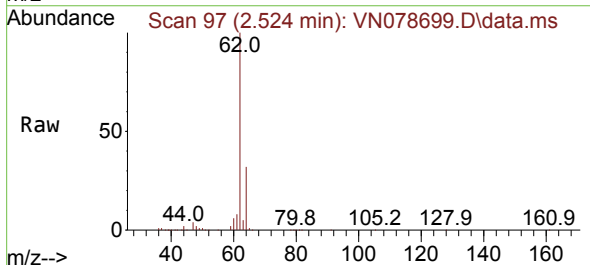
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

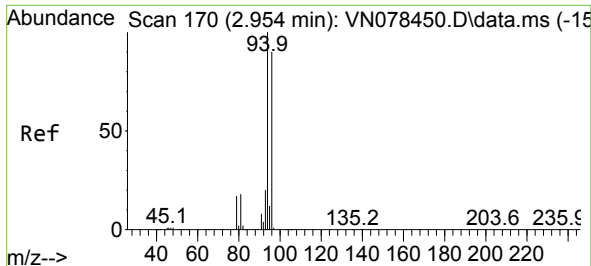
Tgt Ion: 50 Resp: 427103  
Ion Ratio Lower Upper  
50 100  
52 32.4 26.5 39.7



#4  
Vinyl Chloride  
Concen: 60.040 ug/l  
RT: 2.524 min Scan# 97  
Delta R.T. 0.006 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion: 62 Resp: 764146  
Ion Ratio Lower Upper  
62 100  
64 31.9 26.2 39.2

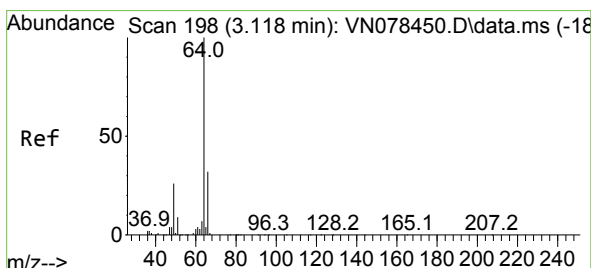
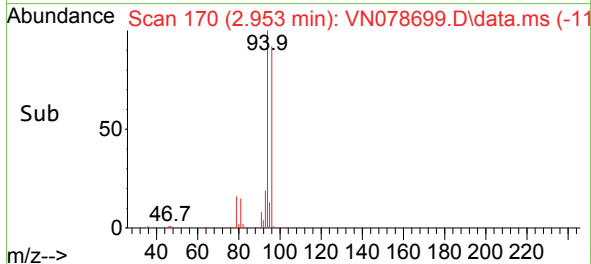
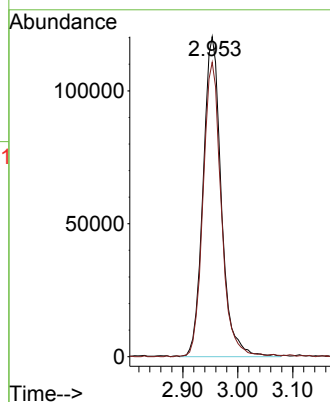
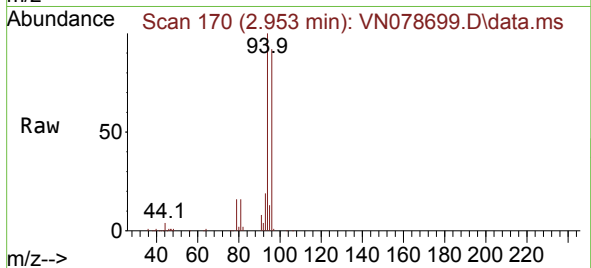




#5  
Bromomethane  
Concen: 32.729 ug/l  
RT: 2.953 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

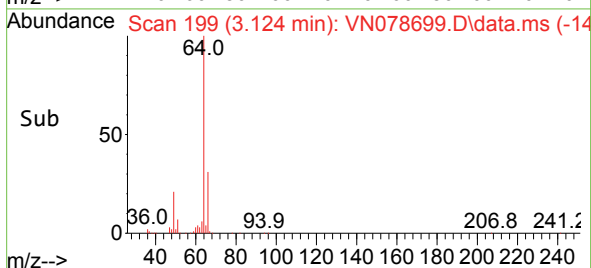
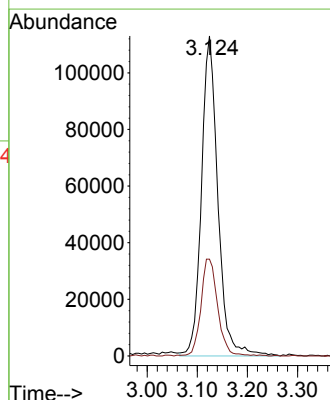
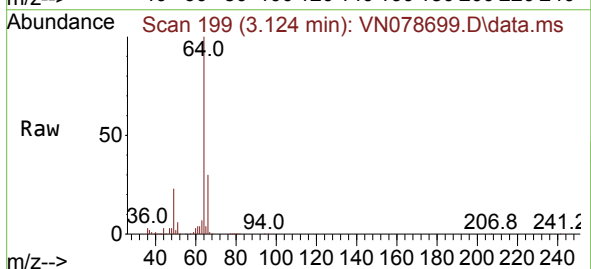
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

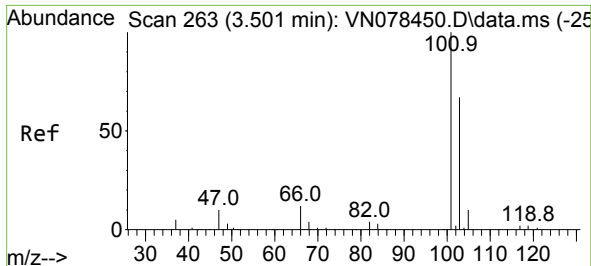
Tgt Ion: 94 Resp: 277298  
Ion Ratio Lower Upper  
94 100  
96 91.8 73.1 109.7



#6  
Chloroethane  
Concen: 32.757 ug/l  
RT: 3.124 min Scan# 199  
Delta R.T. 0.006 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion: 64 Resp: 257298  
Ion Ratio Lower Upper  
64 100  
66 30.3 25.4 38.2

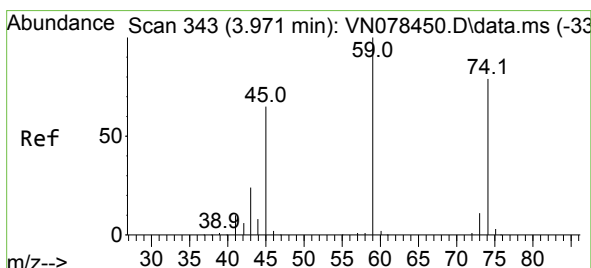
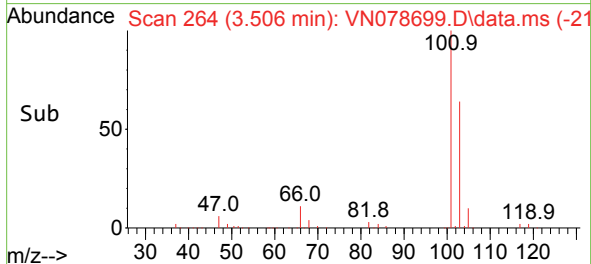
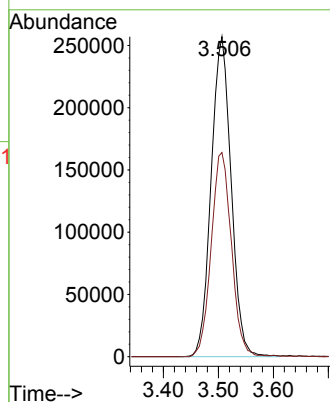
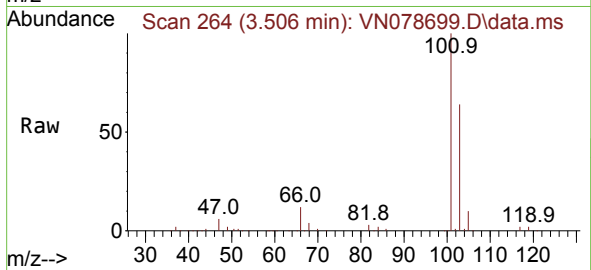




#7  
 Trichlorofluoromethane  
 Concen: 42.651 ug/l  
 RT: 3.506 min Scan# 2  
 Delta R.T. 0.005 min  
 Lab File: VN078699.D  
 Acq: 31 Jul 2023 12:16

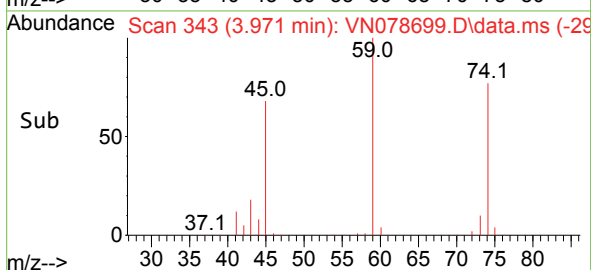
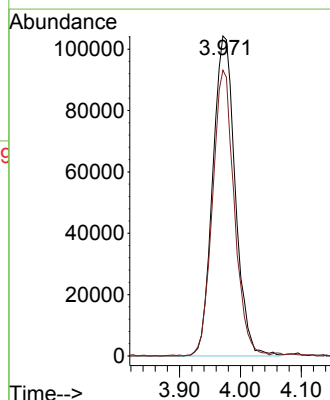
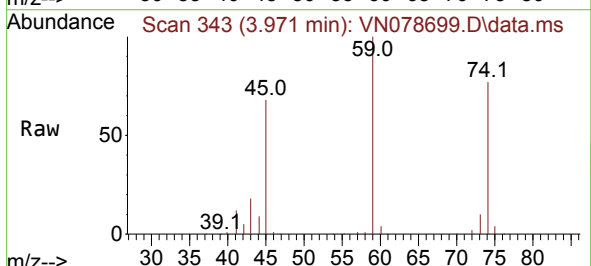
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tgt Ion:101 Resp: 648896  
 Ion Ratio Lower Upper  
 101 100  
 103 63.8 50.7 76.1

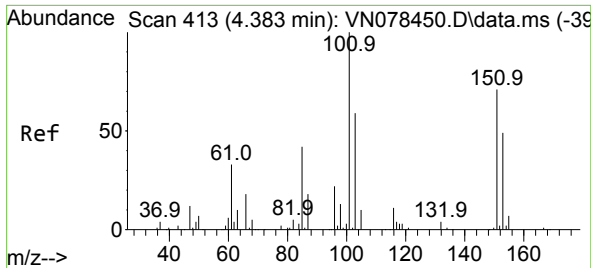


#8  
 Diethyl Ether  
 Concen: 52.795 ug/l  
 RT: 3.971 min Scan# 343  
 Delta R.T. 0.000 min  
 Lab File: VN078699.D  
 Acq: 31 Jul 2023 12:16

Tgt Ion: 74 Resp: 267616  
 Ion Ratio Lower Upper  
 74 100  
 45 86.6 34.4 103.3



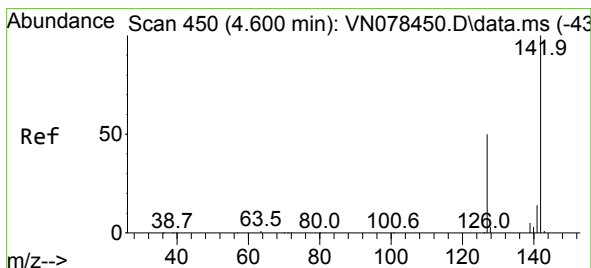
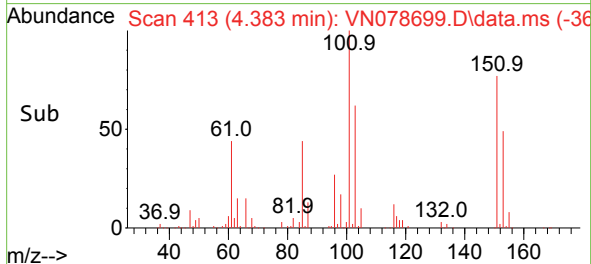
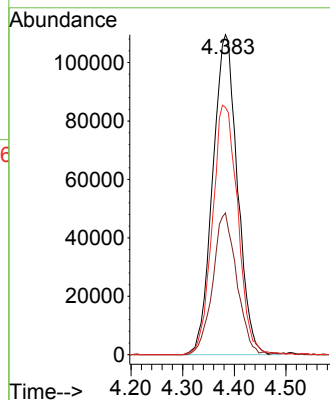
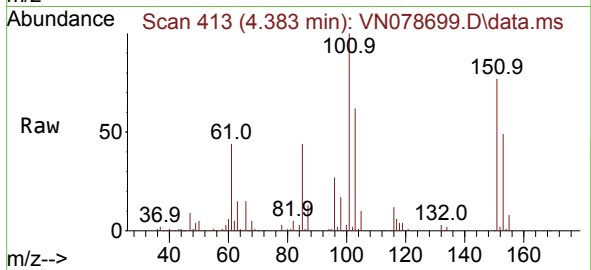




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 45.241 ug/l  
RT: 4.383 min Scan# 413  
Delta R.T. -0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

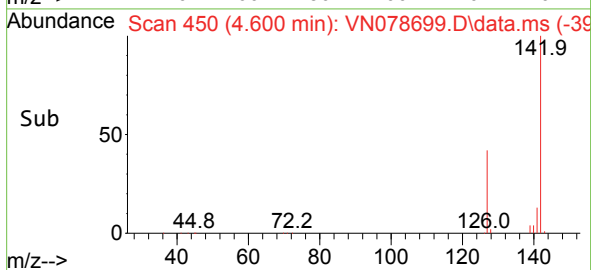
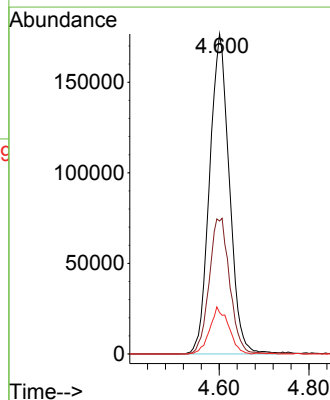
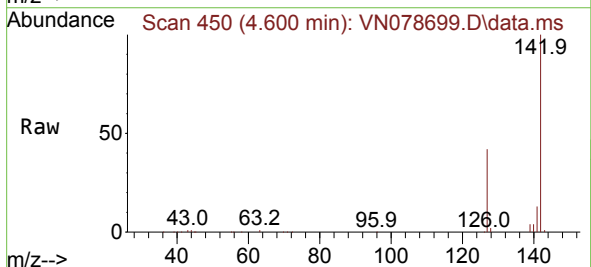
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

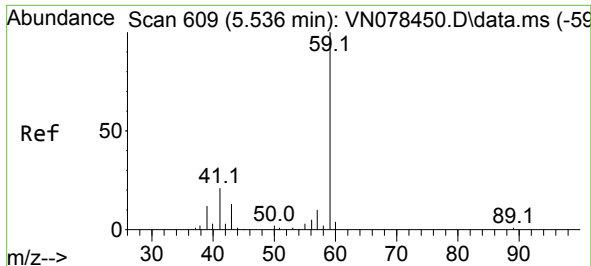
Tgt Ion:101 Resp: 364360  
Ion Ratio Lower Upper  
101 100  
85 42.9 36.6 55.0  
151 79.9 57.6 86.4



#10  
Methyl Iodide  
Concen: 48.780 ug/l  
RT: 4.600 min Scan# 450  
Delta R.T. 0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion:142 Resp: 539851  
Ion Ratio Lower Upper  
142 100  
127 41.5 37.6 56.4  
141 12.9 11.4 17.0

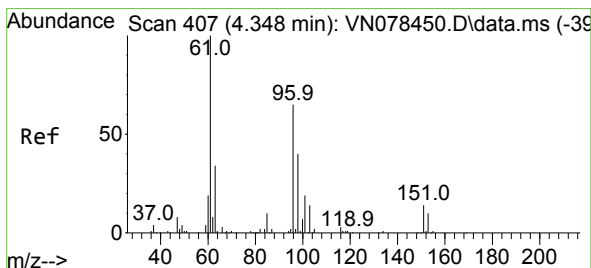
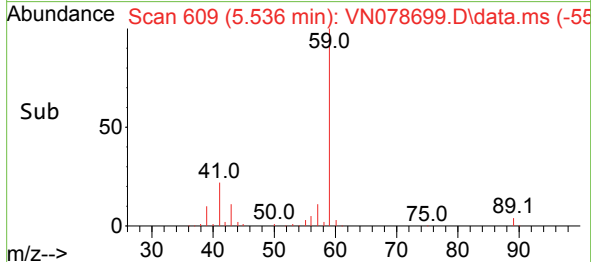
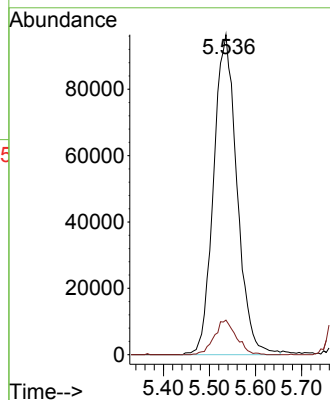
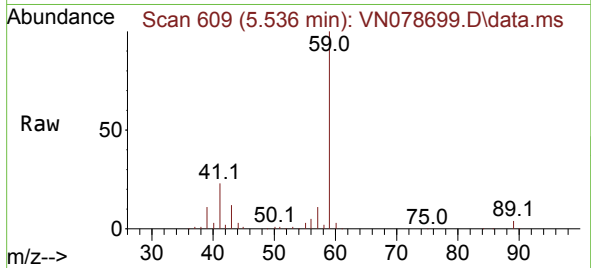




#11  
Tert butyl alcohol  
Concen: 222.826 ug/l  
RT: 5.536 min Scan# 609  
Delta R.T. -0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

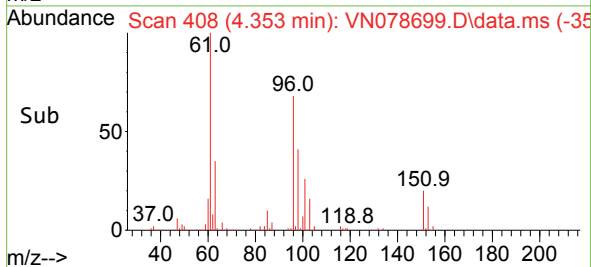
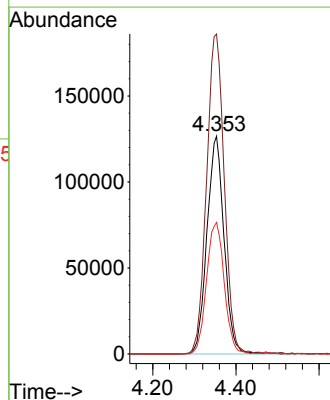
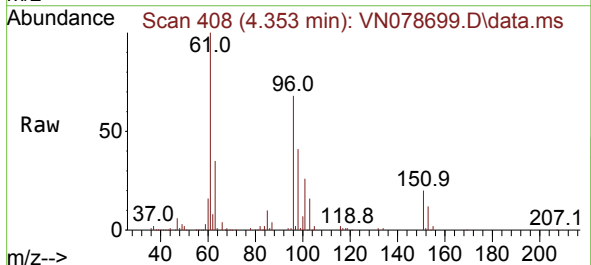
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

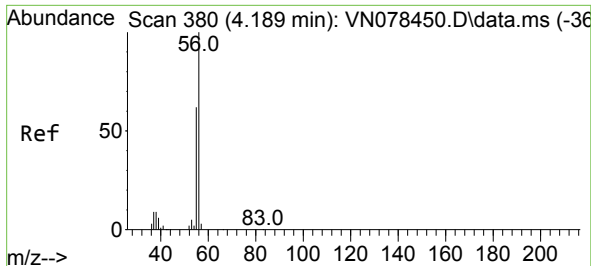
Tgt Ion: 59 Resp: 340091  
Ion Ratio Lower Upper  
59 100  
57 10.2 8.2 12.4



#12  
1,1-Dichloroethene  
Concen: 46.284 ug/l  
RT: 4.353 min Scan# 408  
Delta R.T. 0.005 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion: 96 Resp: 360574  
Ion Ratio Lower Upper  
96 100  
61 147.0 112.7 169.1  
98 60.4 51.2 76.8





#13

Acrolein

Concen: 281.378 ug/l

RT: 4.195 min Scan# 380

Delta R.T. 0.006 min

Lab File: VN078699.D

Acq: 31 Jul 2023 12:16

Instrument :

MSVOA\_N

ClientSampleId :

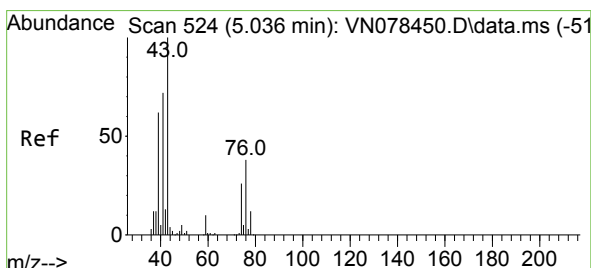
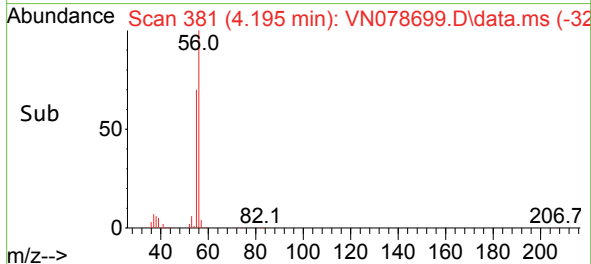
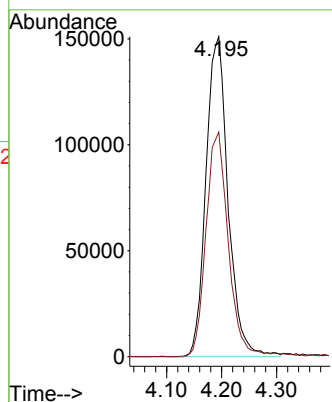
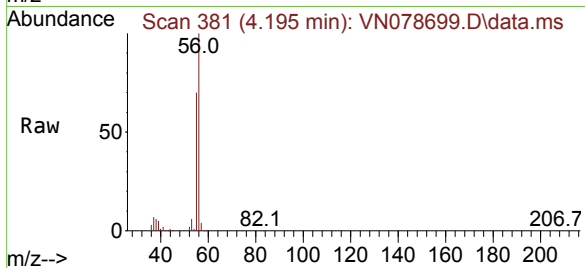
VSTDCCC050

Tgt Ion: 56 Resp: 422528

Ion Ratio Lower Upper

56 100

55 71.4 54.5 81.7



#14

Allyl chloride

Concen: 49.221 ug/l

RT: 5.036 min Scan# 524

Delta R.T. -0.000 min

Lab File: VN078699.D

Acq: 31 Jul 2023 12:16

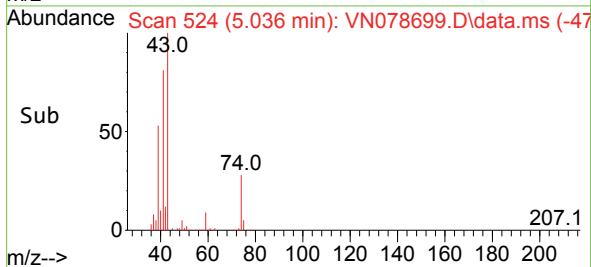
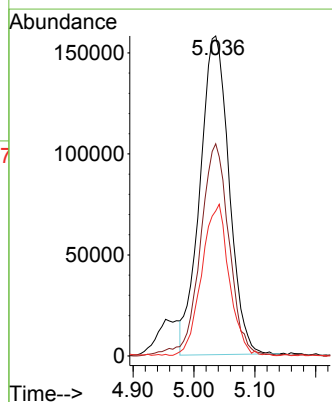
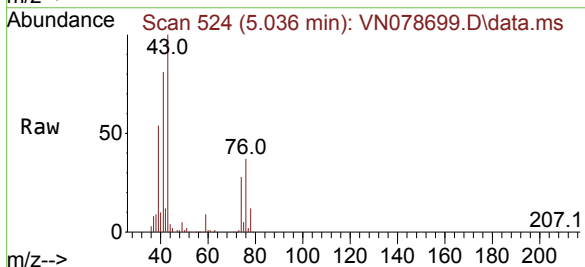
Tgt Ion: 41 Resp: 523965

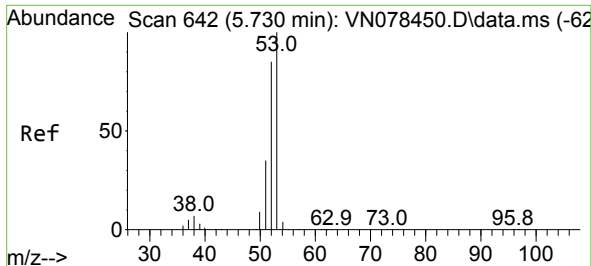
Ion Ratio Lower Upper

41 100

39 66.2 58.8 88.2

76 44.5 39.1 58.7

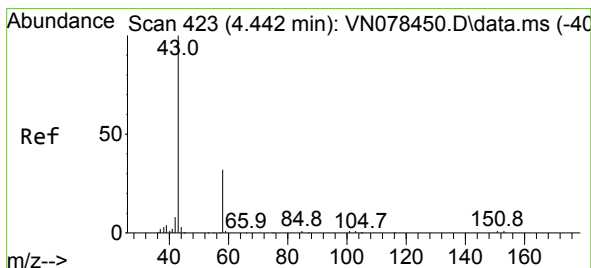
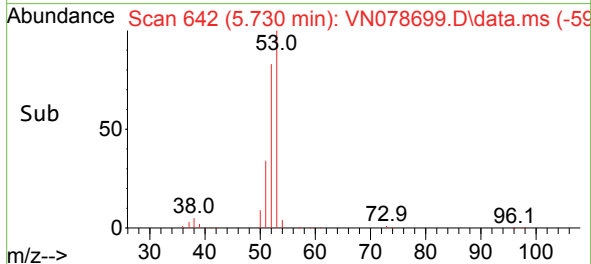
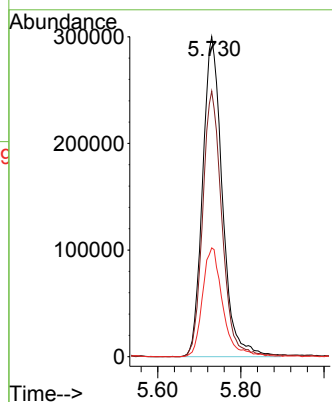
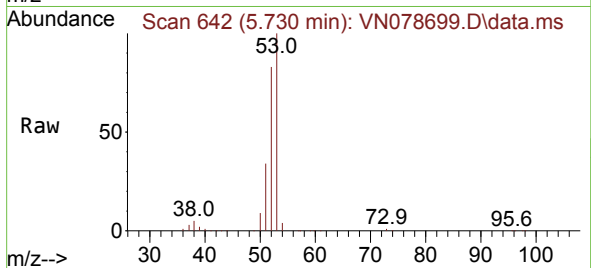




#15  
Acrylonitrile  
Concen: 256.839 ug/l  
RT: 5.730 min Scan# 642  
Delta R.T. -0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

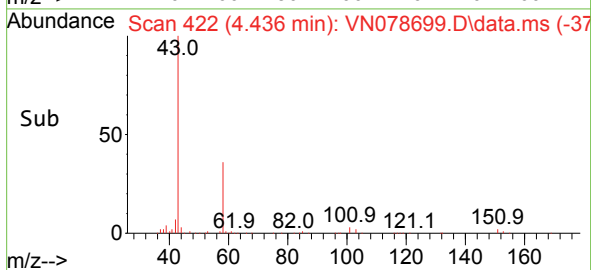
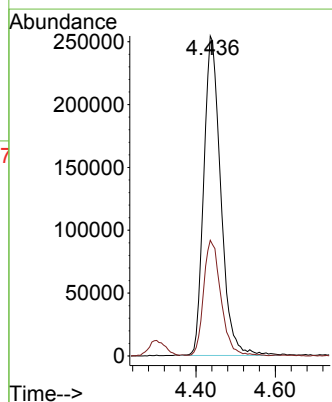
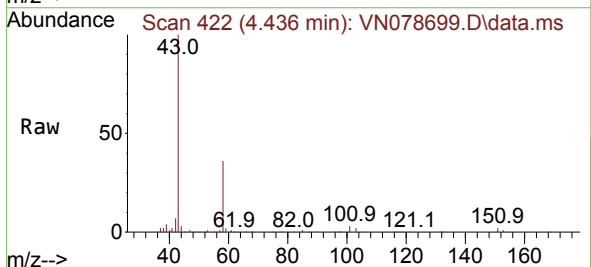
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

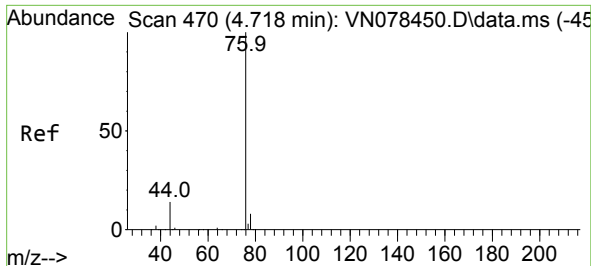
Tgt Ion: 53 Resp: 990446  
Ion Ratio Lower Upper  
53 100  
52 81.0 65.3 97.9  
51 34.9 28.9 43.3



#16  
Acetone  
Concen: 245.088 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. -0.006 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion: 43 Resp: 755645  
Ion Ratio Lower Upper  
43 100  
58 36.0 28.0 42.0

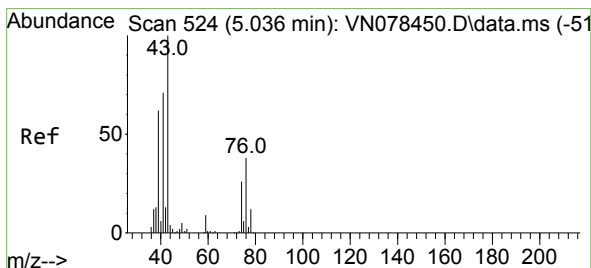
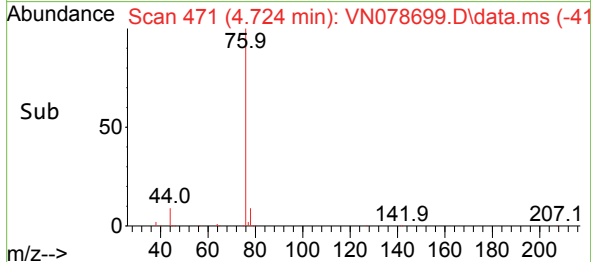
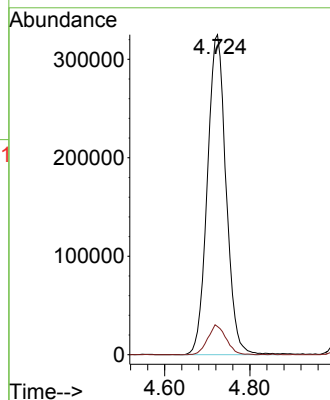
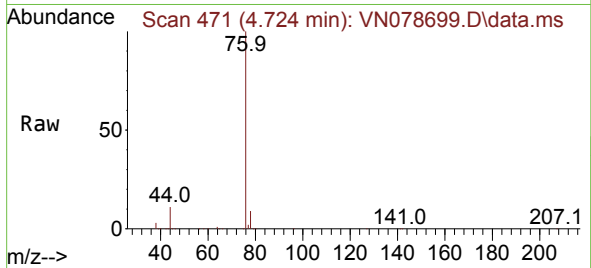




#17  
Carbon Disulfide  
Concen: 44.043 ug/l  
RT: 4.724 min Scan# 471  
Delta R.T. 0.006 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

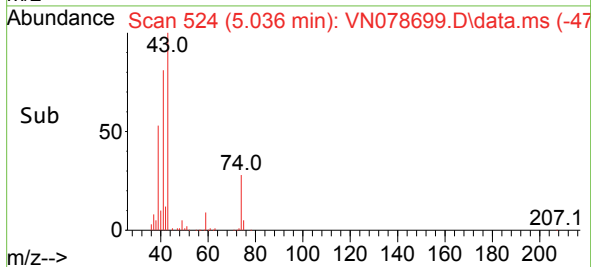
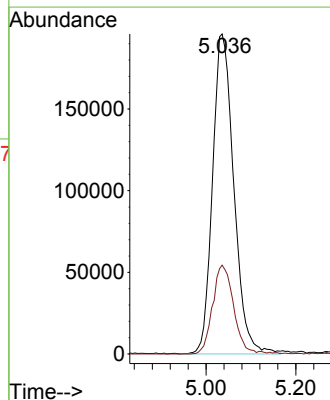
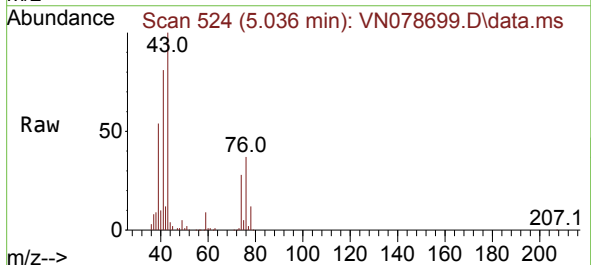
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

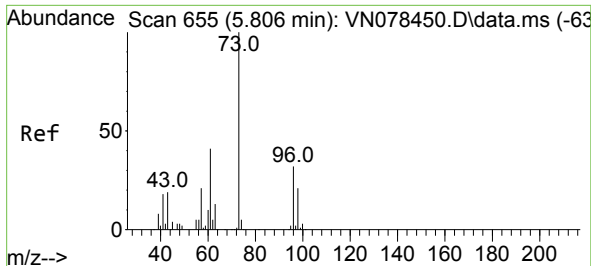
Tgt Ion: 76 Resp: 992172  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.4 11.0



#18  
Methyl Acetate  
Concen: 49.461 ug/l  
RT: 5.036 min Scan# 524  
Delta R.T. -0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion: 43 Resp: 645550  
Ion Ratio Lower Upper  
43 100  
74 27.3 26.2 39.4

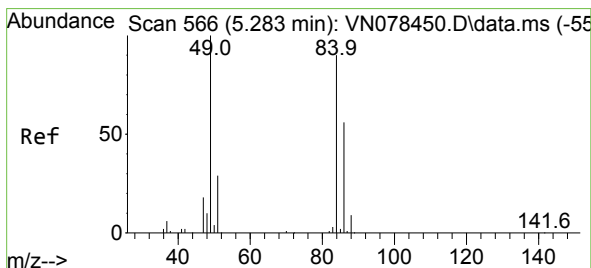
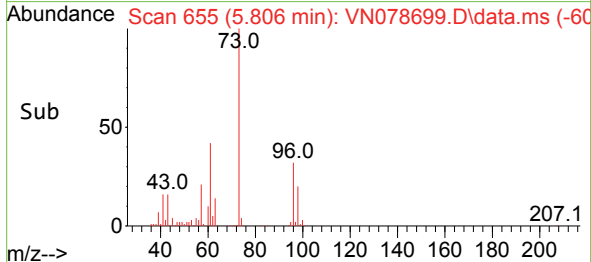
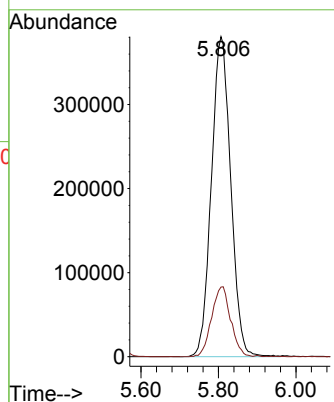
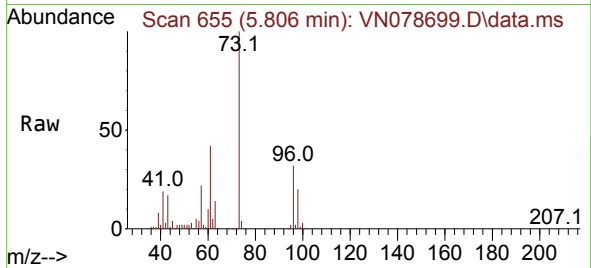




#19  
Methyl tert-butyl Ether  
Concen: 51.471 ug/l  
RT: 5.806 min Scan# 611  
Delta R.T. 0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

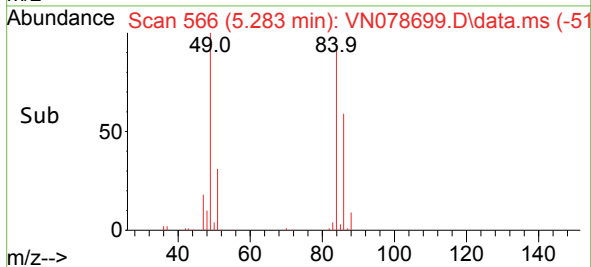
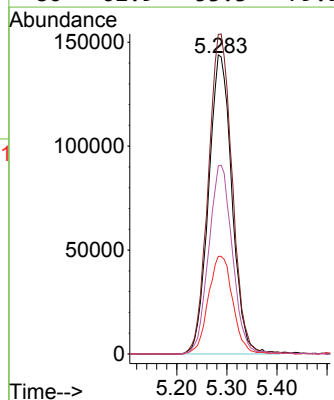
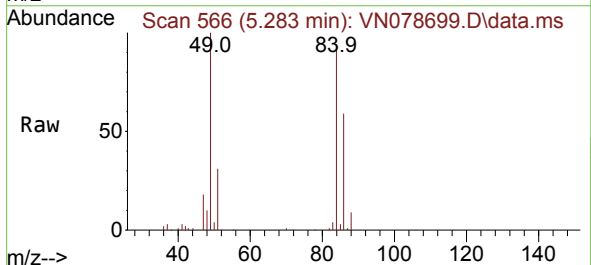
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

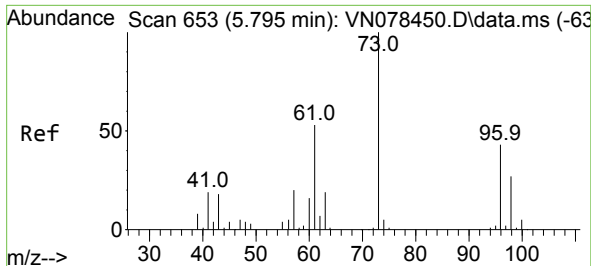
Tgt Ion: 73 Resp: 1321150  
Ion Ratio Lower Upper  
73 100  
57 21.7 15.6 23.4



#20  
Methylene Chloride  
Concen: 52.615 ug/l  
RT: 5.283 min Scan# 566  
Delta R.T. -0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion: 84 Resp: 464745  
Ion Ratio Lower Upper  
84 100  
49 106.9 79.7 119.5  
51 32.7 25.2 37.8  
86 62.9 53.3 79.9

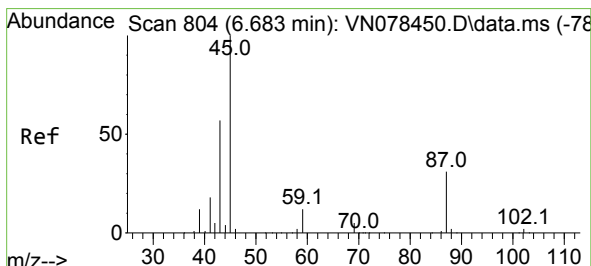
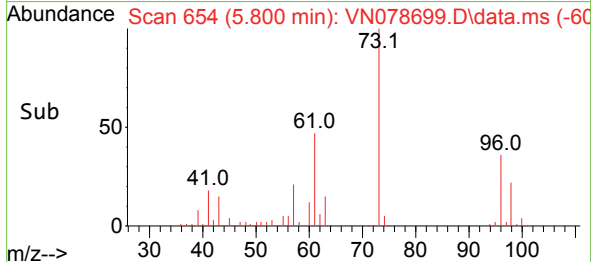
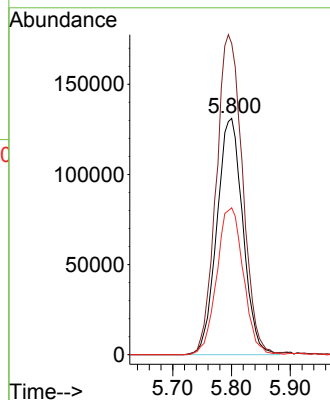
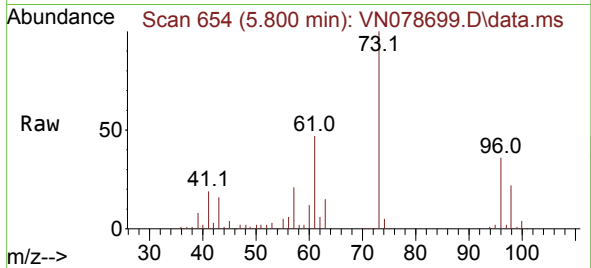




#21  
trans-1,2-Dichloroethene  
Concen: 45.873 ug/l  
RT: 5.800 min Scan# 61  
Delta R.T. 0.005 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

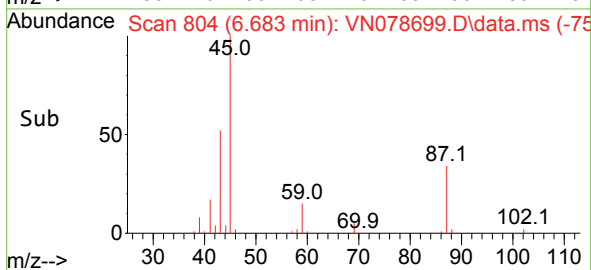
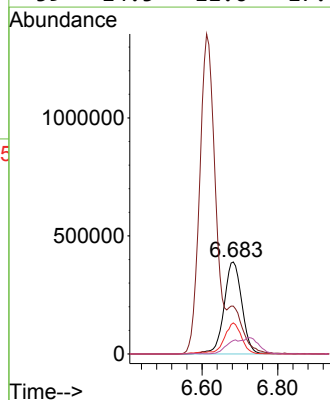
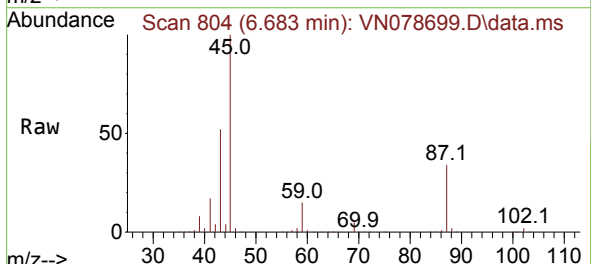
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

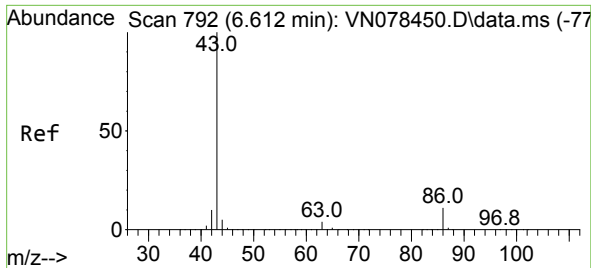
Tgt Ion: 96 Resp: 402712  
Ion Ratio Lower Upper  
96 100  
61 131.6 90.1 135.1  
98 62.2 46.4 69.6



#22  
Diisopropyl ether  
Concen: 53.511 ug/l  
RT: 6.683 min Scan# 804  
Delta R.T. -0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion: 45 Resp: 1275490  
Ion Ratio Lower Upper  
45 100  
43 51.9 45.5 68.3  
87 33.7 31.8 47.8  
59 14.5 11.6 17.4

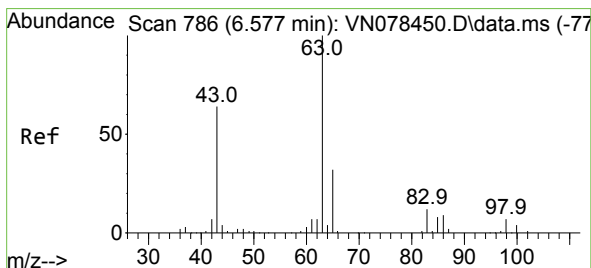
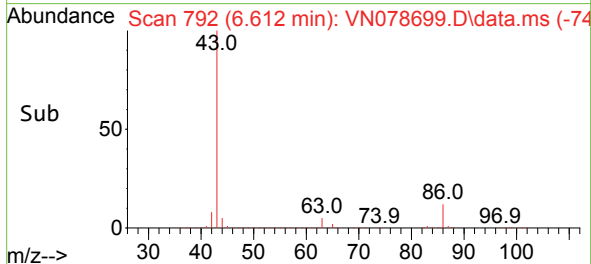
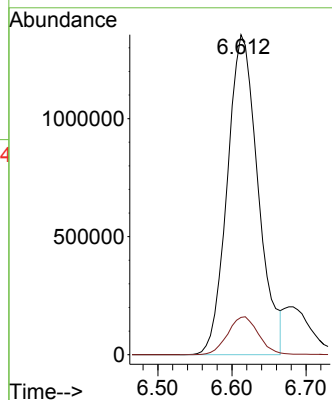
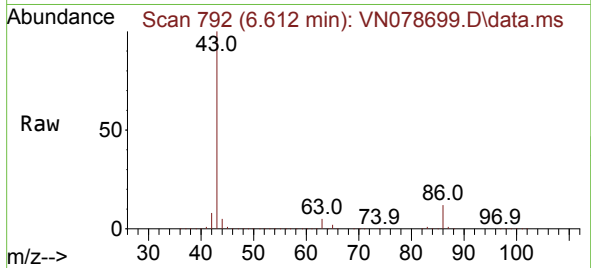




#23  
 Vinyl Acetate  
 Concen: 258.105 ug/l  
 RT: 6.612 min Scan# 792  
 Delta R.T. 0.000 min  
 Lab File: VN078699.D  
 Acq: 31 Jul 2023 12:16

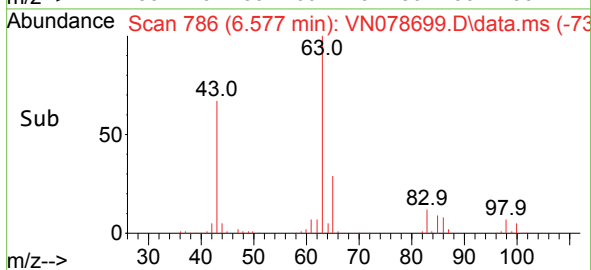
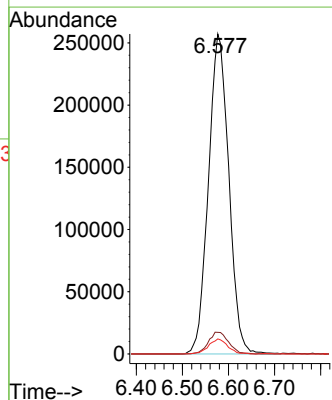
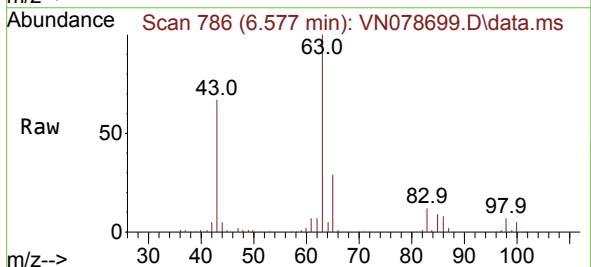
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tgt Ion: 43 Resp: 3911191  
 Ion Ratio Lower Upper  
 43 100  
 86 11.6 13.0 19.6#

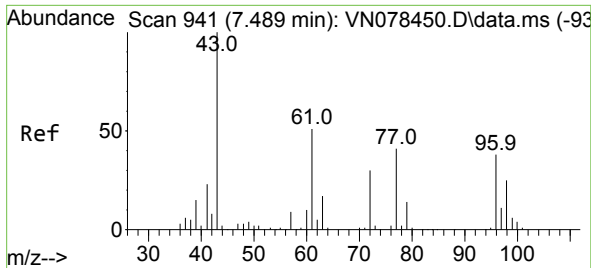


#24  
 1,1-Dichloroethane  
 Concen: 49.162 ug/l  
 RT: 6.577 min Scan# 786  
 Delta R.T. -0.000 min  
 Lab File: VN078699.D  
 Acq: 31 Jul 2023 12:16

Tgt Ion: 63 Resp: 789618  
 Ion Ratio Lower Upper  
 63 100  
 98 6.8 3.9 11.7  
 100 4.7 2.5 7.4



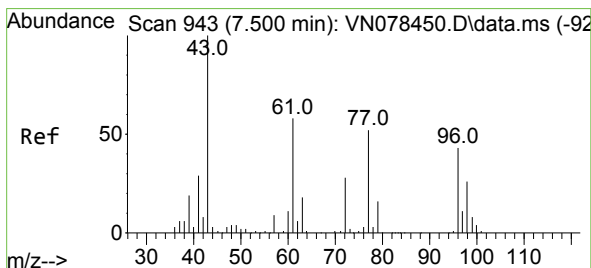
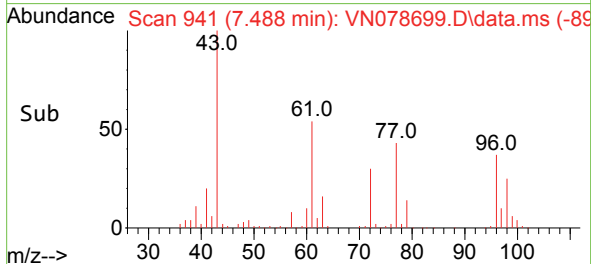
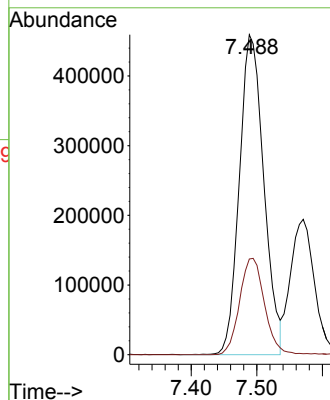
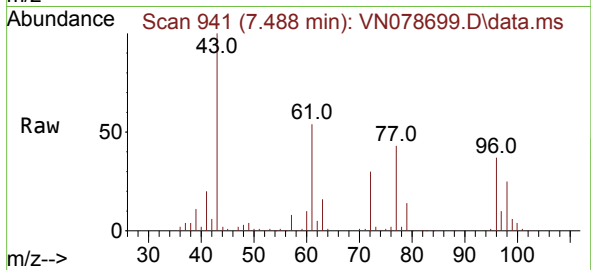




#25  
2-Butanone  
Concen: 245.573 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. -0.001 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

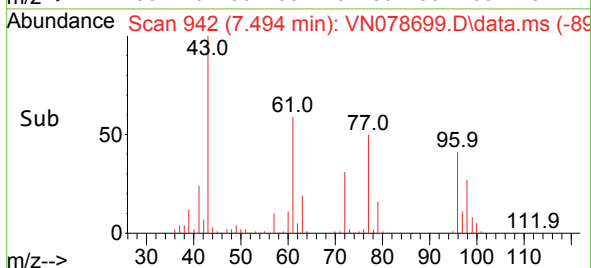
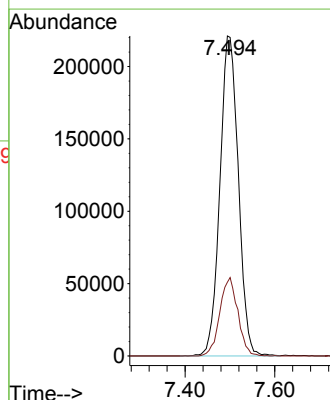
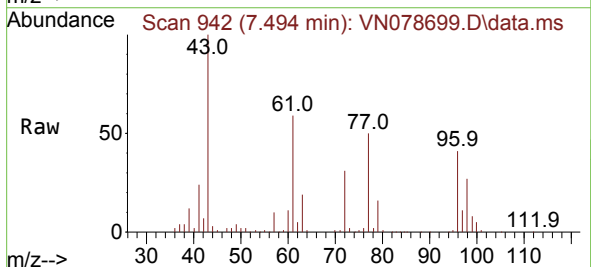
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

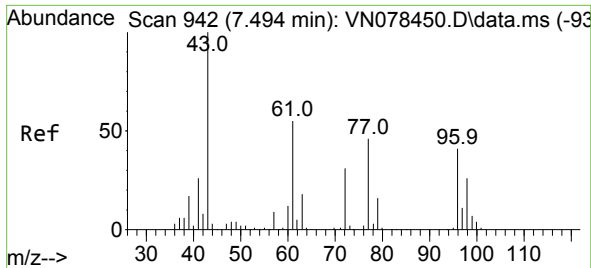
Tgt Ion: 43 Resp: 1191839  
Ion Ratio Lower Upper  
43 100  
72 29.9 30.2 45.2#



#26  
2,2-Dichloropropane  
Concen: 48.086 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. -0.006 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion: 77 Resp: 631695  
Ion Ratio Lower Upper  
77 100  
97 24.0 11.2 33.6

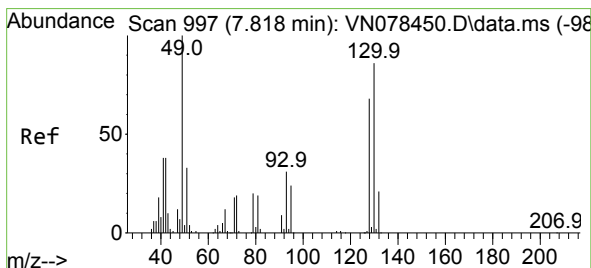
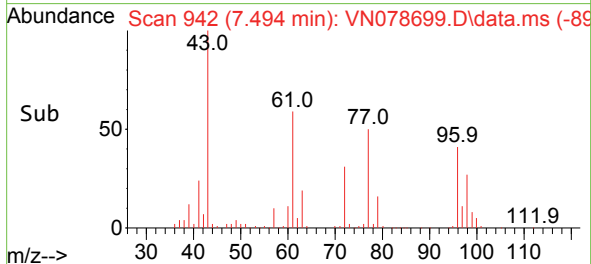
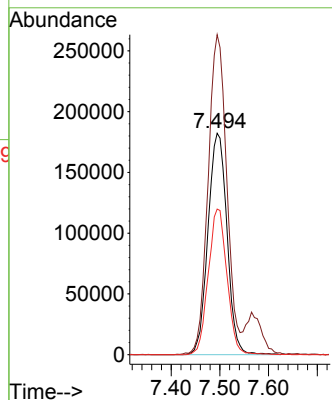
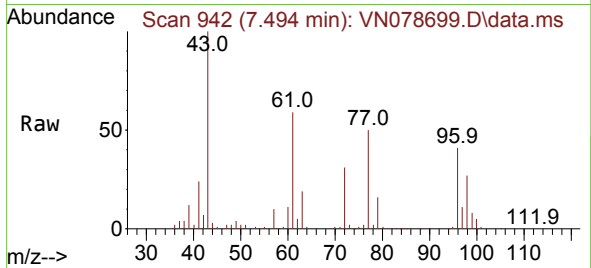




#27  
 cis-1,2-Dichloroethene  
 Concen: 48.619 ug/l  
 RT: 7.494 min Scan# 942  
 Delta R.T. 0.000 min  
 Lab File: VN078699.D  
 Acq: 31 Jul 2023 12:16

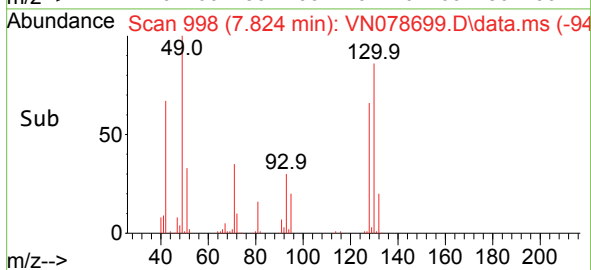
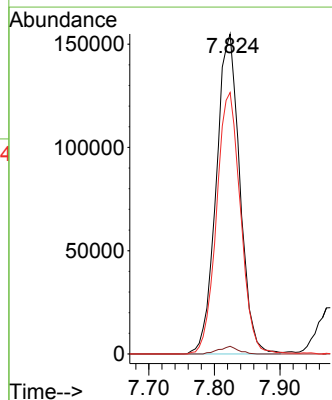
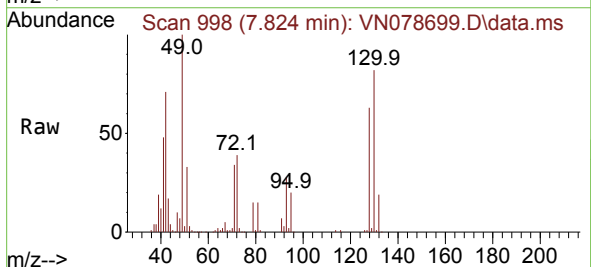
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

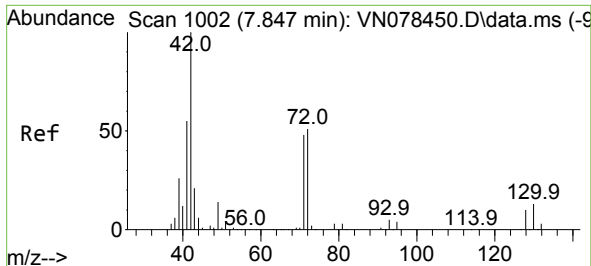
Tgt Ion: 96 Resp: 493760  
 Ion Ratio Lower Upper  
 96 100  
 61 141.5 0.0 255.2  
 98 64.7 0.0 128.8



#28  
 Bromochloromethane  
 Concen: 51.208 ug/l  
 RT: 7.824 min Scan# 998  
 Delta R.T. 0.006 min  
 Lab File: VN078699.D  
 Acq: 31 Jul 2023 12:16

Tgt Ion: 49 Resp: 387392  
 Ion Ratio Lower Upper  
 49 100  
 129 2.0 0.0 4.8  
 130 83.0 75.3 112.9





#29

Tetrahydrofuran

Concen: 245.894 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.000 min

Lab File: VN078699.D

Acq: 31 Jul 2023 12:16

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

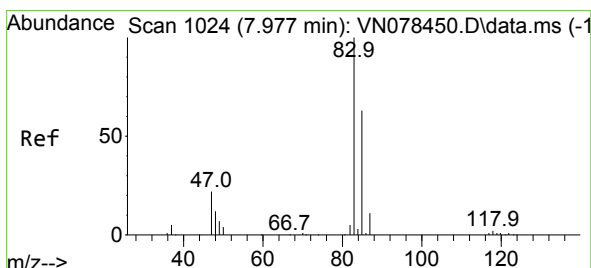
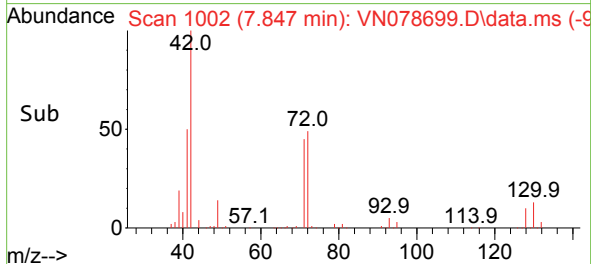
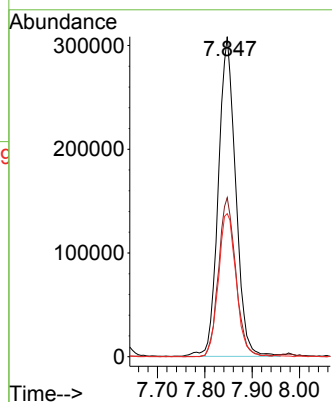
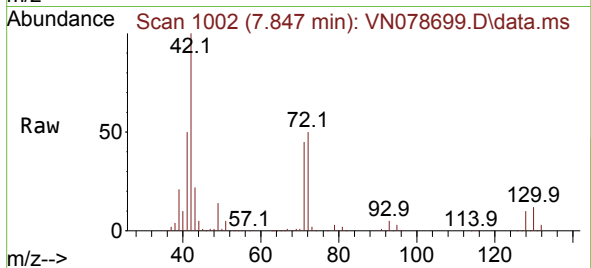
Tgt Ion: 42 Resp: 783069

Ion Ratio Lower Upper

42 100

72 49.3 49.8 74.6#

71 46.0 47.4 71.2#



#30

Chloroform

Concen: 48.138 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. -0.006 min

Lab File: VN078699.D

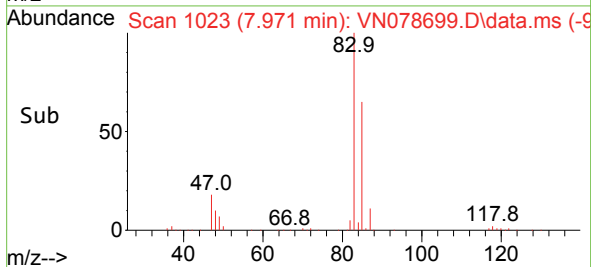
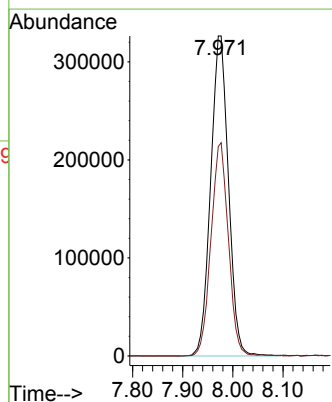
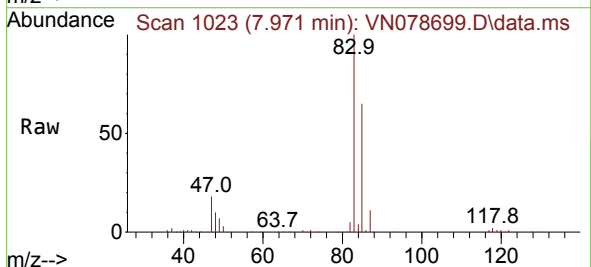
Acq: 31 Jul 2023 12:16

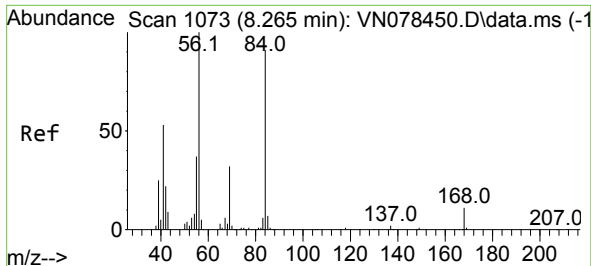
Tgt Ion: 83 Resp: 804955

Ion Ratio Lower Upper

83 100

85 65.5 55.4 83.0

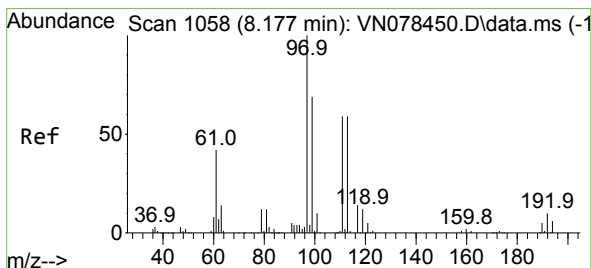
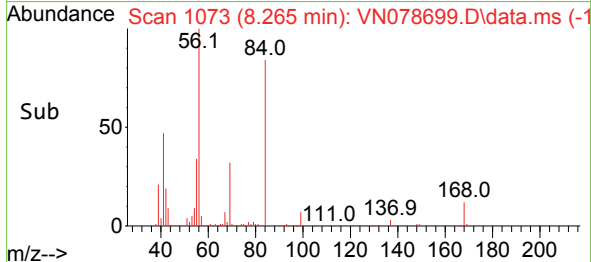
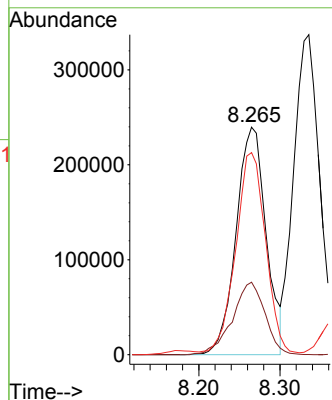
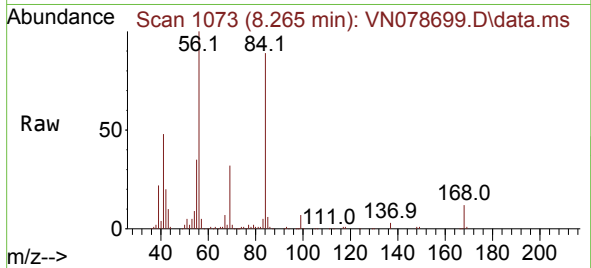




#31  
Cyclohexane  
Concen: 46.080 ug/l  
RT: 8.265 min Scan# 1073  
Delta R.T. -0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

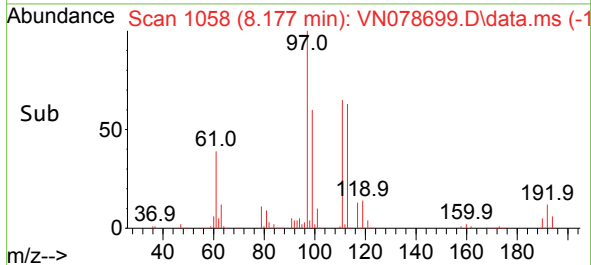
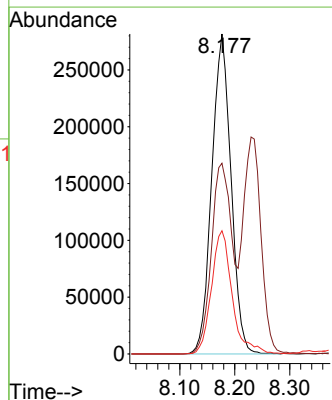
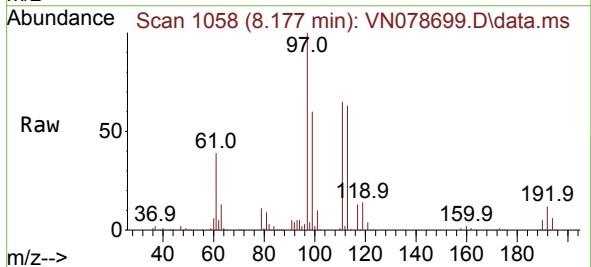
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

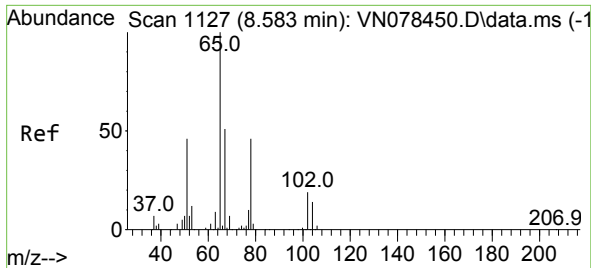
Tgt Ion: 56 Resp: 616380  
Ion Ratio Lower Upper  
56 100  
69 31.9 26.8 40.2  
84 87.1 81.8 122.6



#32  
1,1,1-Trichloroethane  
Concen: 45.711 ug/l  
RT: 8.177 min Scan# 1058  
Delta R.T. -0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion: 97 Resp: 685313  
Ion Ratio Lower Upper  
97 100  
99 65.1 50.3 75.5  
61 41.6 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 47.494 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078699.D

Acq: 31 Jul 2023 12:16

Instrument :

MSVOA\_N

ClientSampleId :

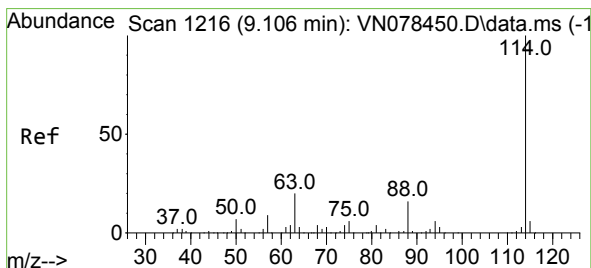
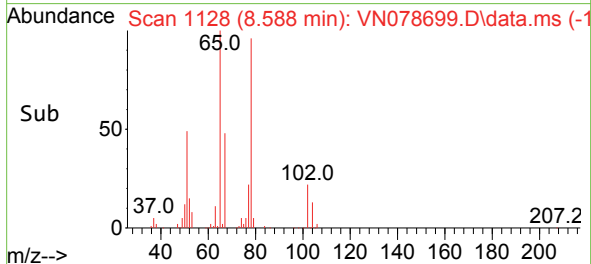
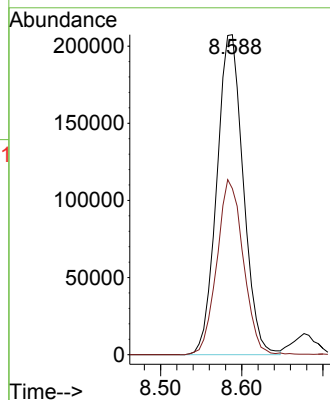
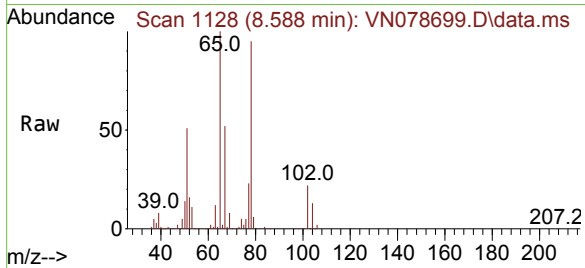
VSTDCCC050

Tgt Ion: 65 Resp: 470086

Ion Ratio Lower Upper

65 100

67 54.7 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN078699.D

Acq: 31 Jul 2023 12:16

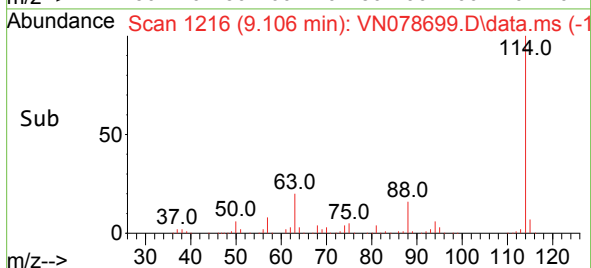
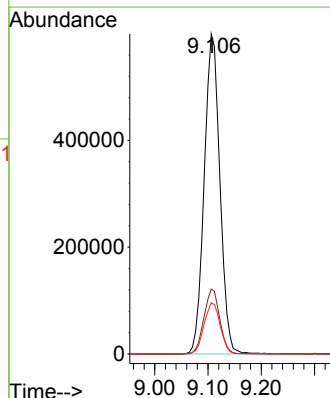
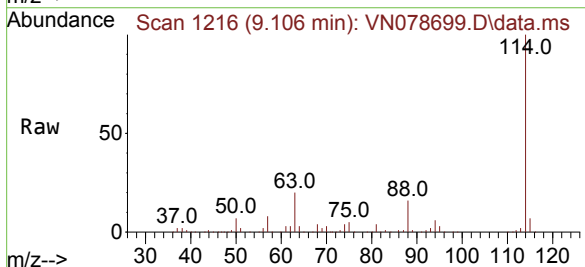
Tgt Ion: 114 Resp: 1225417

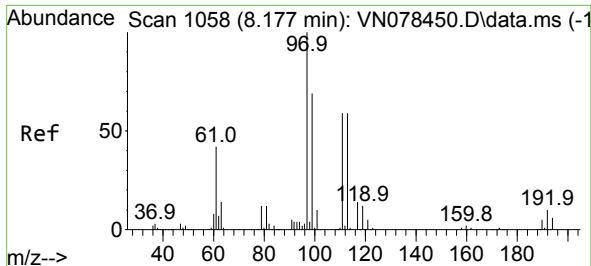
Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.4

88 16.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.924 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078699.D

Acq: 31 Jul 2023 12:16

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

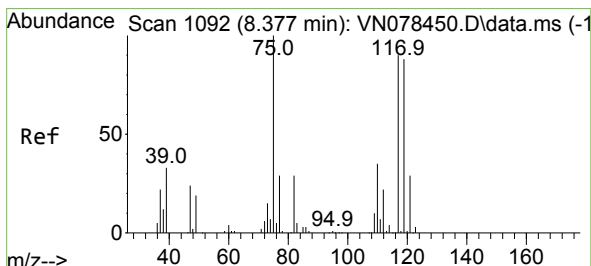
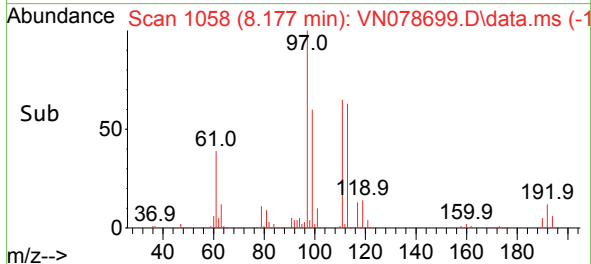
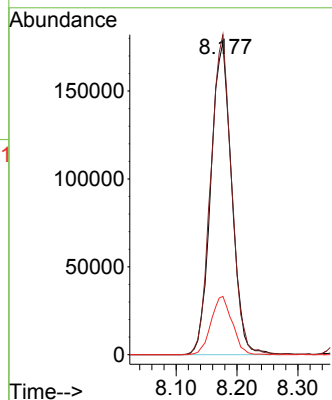
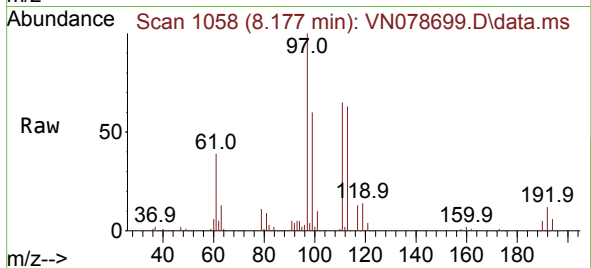
Tgt Ion:113 Resp: 423609

Ion Ratio Lower Upper

113 100

111 102.2 82.6 123.8

192 18.9 12.7 19.1



#36

1,1-Dichloropropene

Concen: 48.058 ug/l

RT: 8.377 min Scan# 1092

Delta R.T. -0.000 min

Lab File: VN078699.D

Acq: 31 Jul 2023 12:16

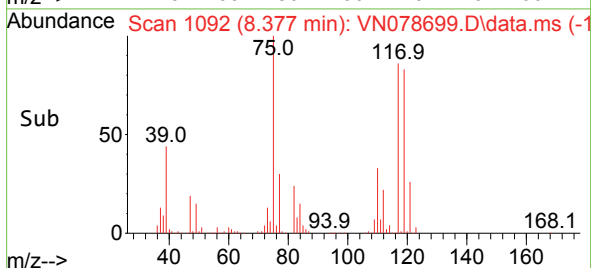
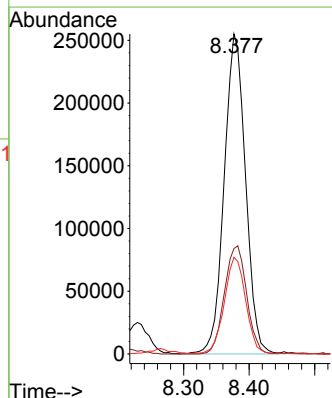
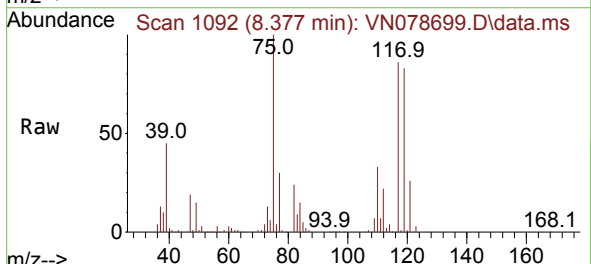
Tgt Ion: 75 Resp: 577232

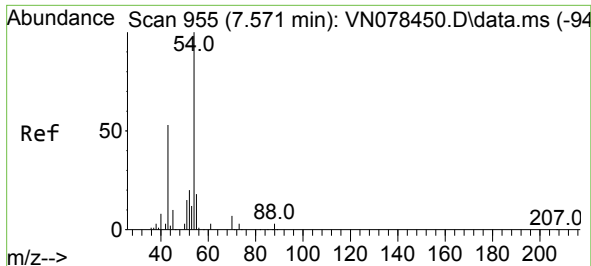
Ion Ratio Lower Upper

75 100

110 35.1 19.1 57.3

77 30.5 25.0 37.4

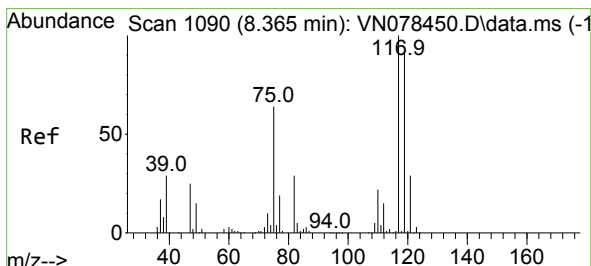
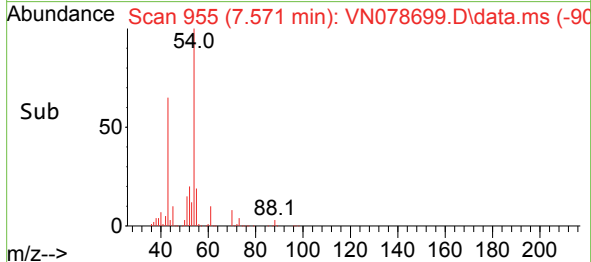
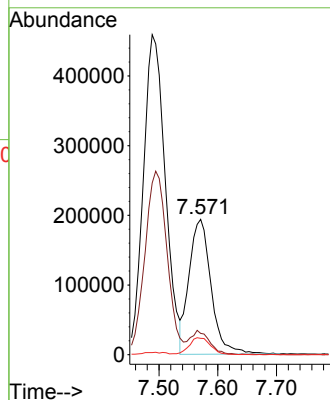
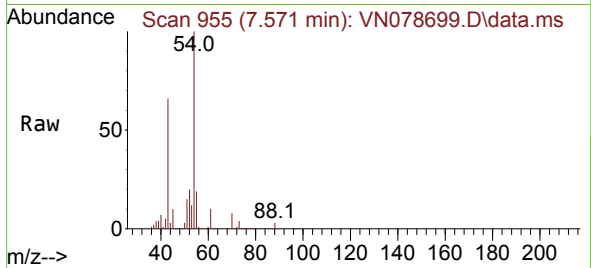




#37  
Ethyl Acetate  
Concen: 50.314 ug/l  
RT: 7.571 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

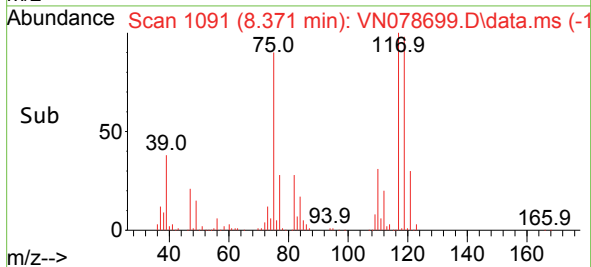
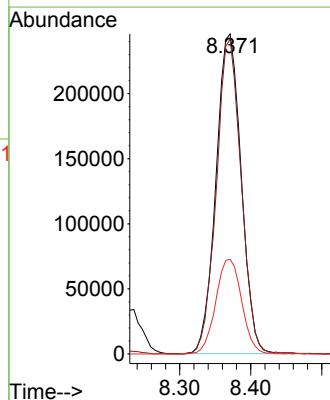
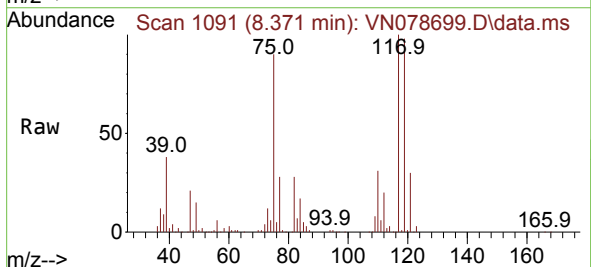
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

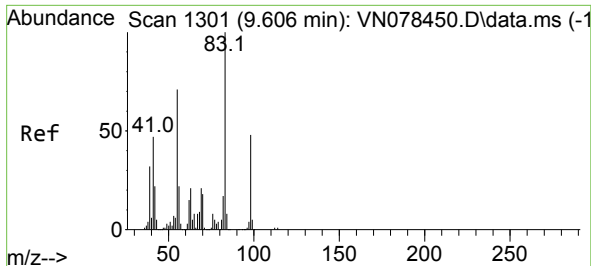
Tgt Ion: 43 Resp: 503775  
Ion Ratio Lower Upper  
43 100  
61 14.6 13.2 19.8  
70 12.3 11.3 16.9



#38  
Carbon Tetrachloride  
Concen: 46.278 ug/l  
RT: 8.371 min Scan# 1091  
Delta R.T. 0.006 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion: 117 Resp: 604127  
Ion Ratio Lower Upper  
117 100  
119 98.5 77.3 115.9  
121 29.6 23.3 34.9





#39

Methylcyclohexane

Concen: 50.719 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN078699.D

Acq: 31 Jul 2023 12:16

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

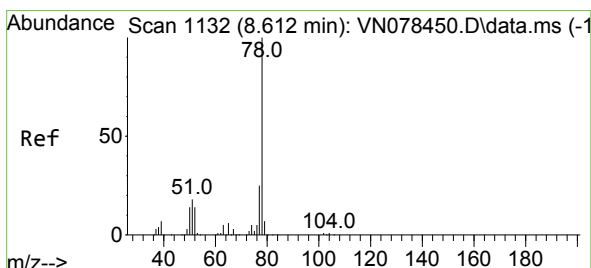
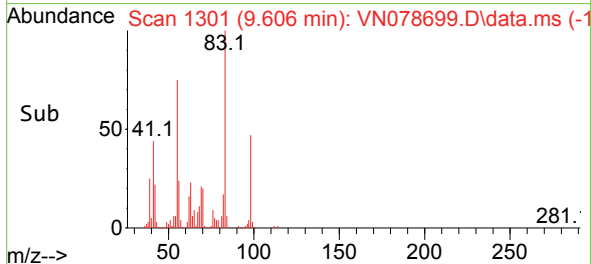
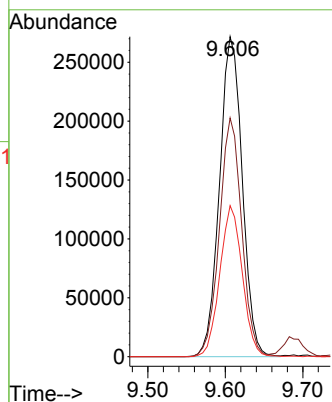
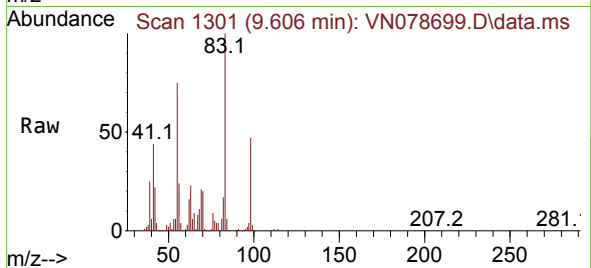
Tgt Ion: 83 Resp: 556064

Ion Ratio Lower Upper

83 100

55 74.6 49.1 73.7#

98 47.2 40.6 61.0



#40

Benzene

Concen: 50.445 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VN078699.D

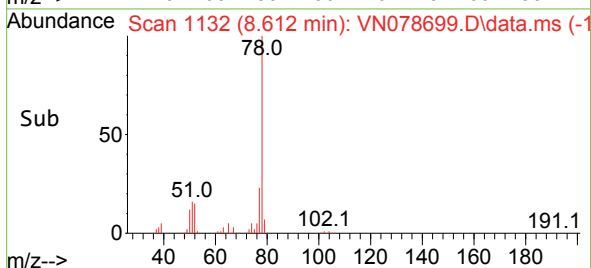
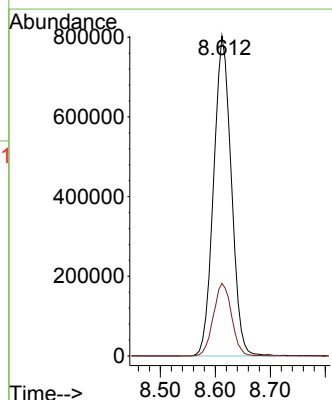
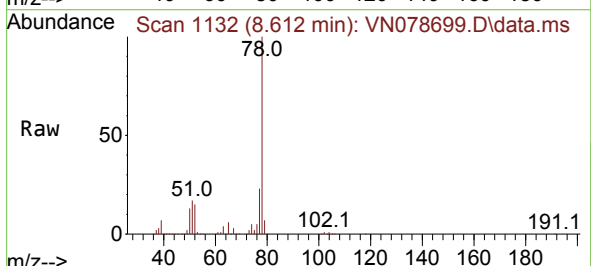
Acq: 31 Jul 2023 12:16

Tgt Ion: 78 Resp: 1795051

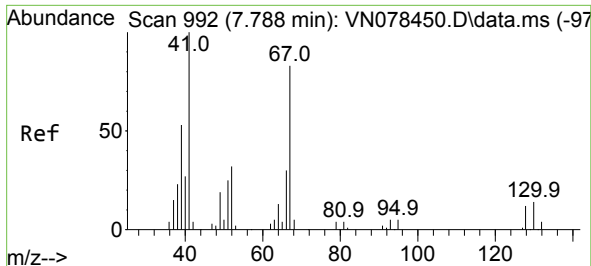
Ion Ratio Lower Upper

78 100

77 22.6 19.0 28.6





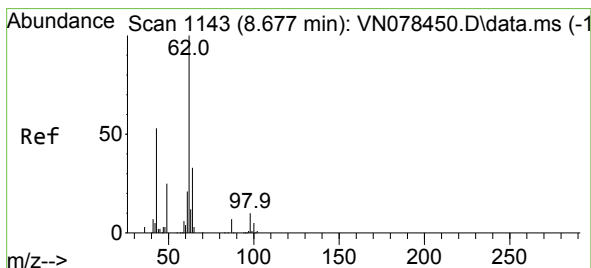
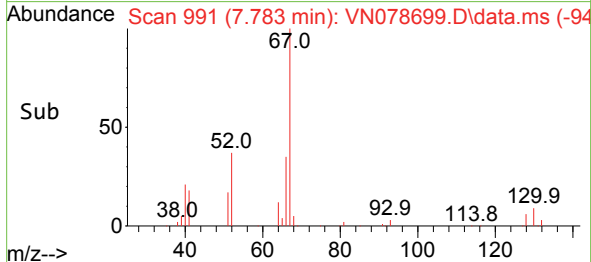
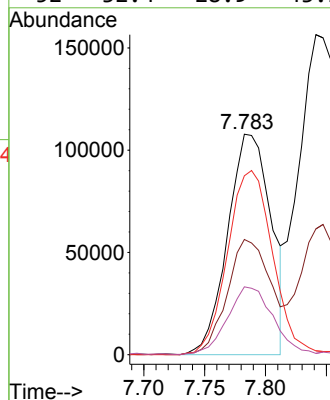
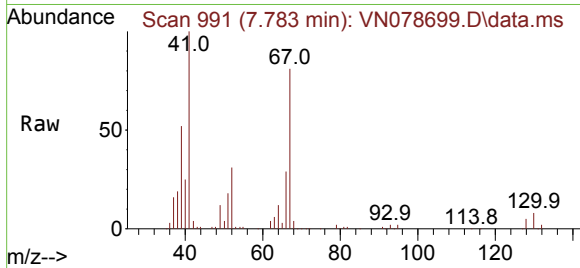


#41  
Methacrylonitrile  
Concen: 52.431 ug/l  
RT: 7.783 min Scan# 991  
Delta R.T. -0.005 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 41 Resp: 267628

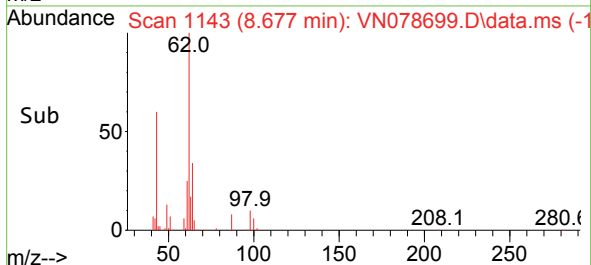
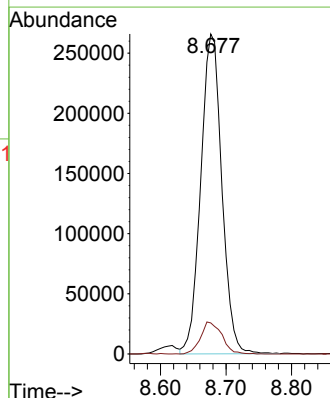
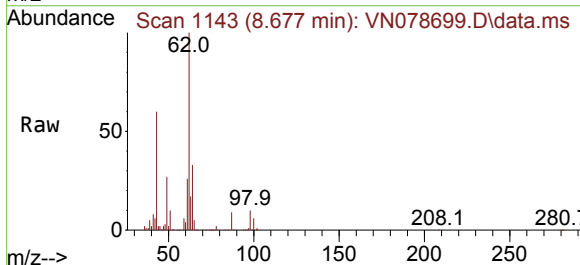
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 51.6  | 42.6  | 64.0  |
| 67  | 87.0  | 77.5  | 116.3 |
| 52  | 32.4  | 28.9  | 43.3  |

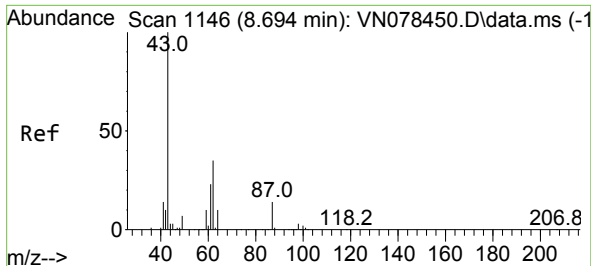


#42  
1,2-Dichloroethane  
Concen: 49.187 ug/l  
RT: 8.677 min Scan# 1143  
Delta R.T. -0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion: 62 Resp: 595337

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 10.1  | 0.0   | 19.8  |

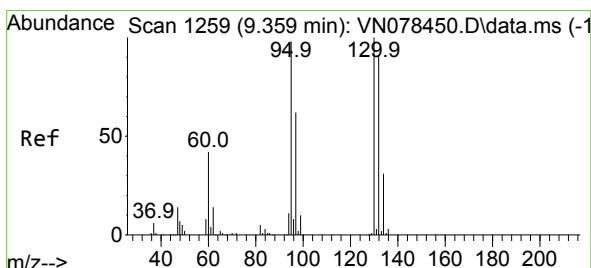
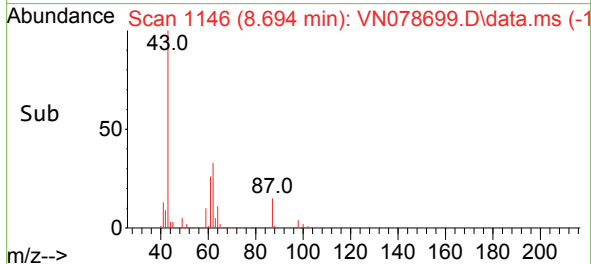
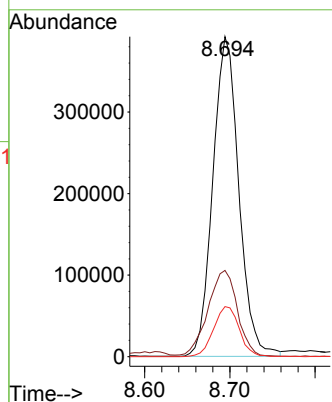
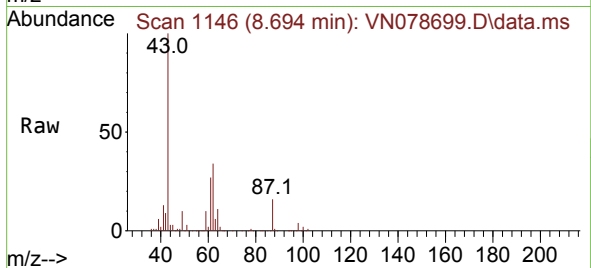




#43  
Isopropyl Acetate  
Concen: 50.512 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

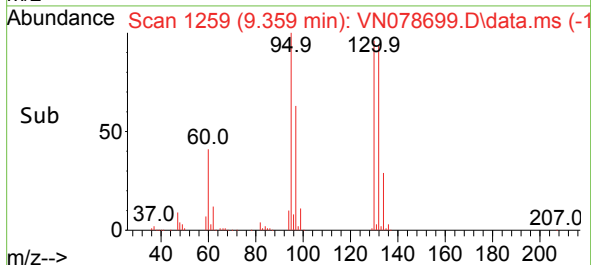
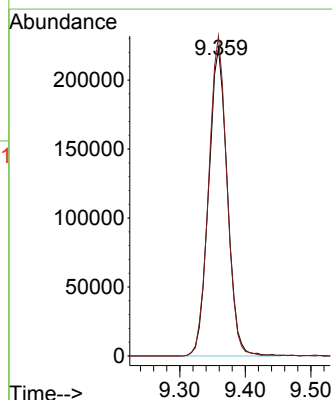
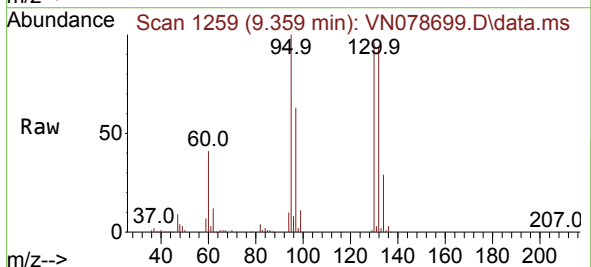
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

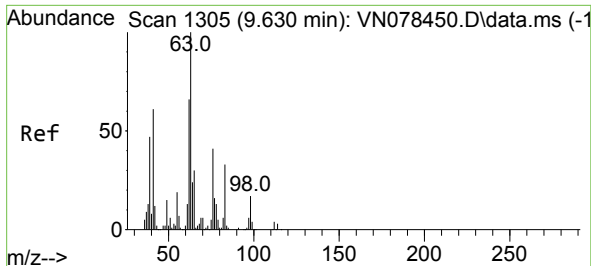
Tgt Ion: 43 Resp: 832671  
Ion Ratio Lower Upper  
43 100  
61 30.6 24.7 37.1  
87 15.5 14.6 21.8



#44  
Trichloroethene  
Concen: 46.253 ug/l  
RT: 9.359 min Scan# 1259  
Delta R.T. -0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion:130 Resp: 443599  
Ion Ratio Lower Upper  
130 100  
95 103.9 0.0 204.6





#45

1,2-Dichloropropane

Concen: 53.467 ug/l

RT: 9.624 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN078699.D

Acq: 31 Jul 2023 12:16

Instrument :

MSVOA\_N

ClientSampleId :

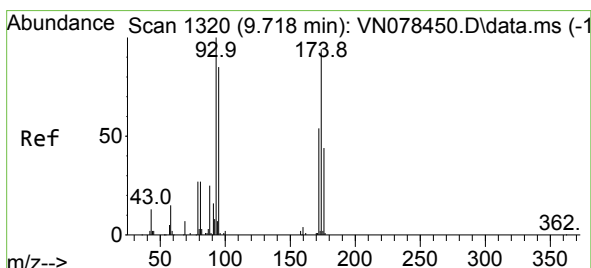
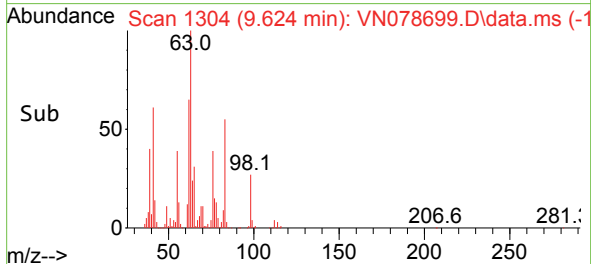
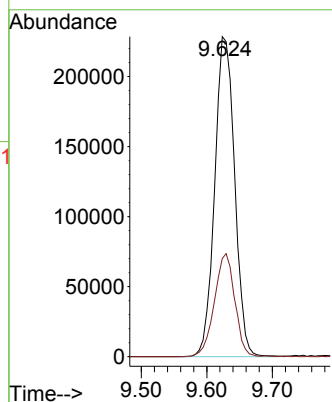
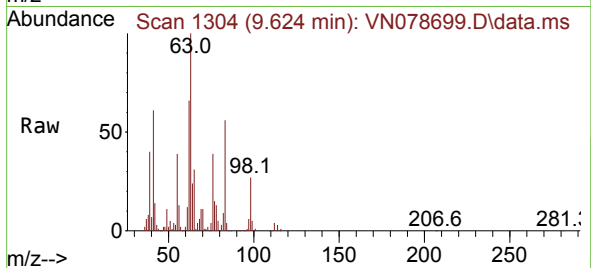
VSTDCCC050

Tgt Ion: 63 Resp: 481870

Ion Ratio Lower Upper

63 100

65 30.7 23.9 35.9



#46

Dibromomethane

Concen: 49.713 ug/l

RT: 9.718 min Scan# 1320

Delta R.T. -0.000 min

Lab File: VN078699.D

Acq: 31 Jul 2023 12:16

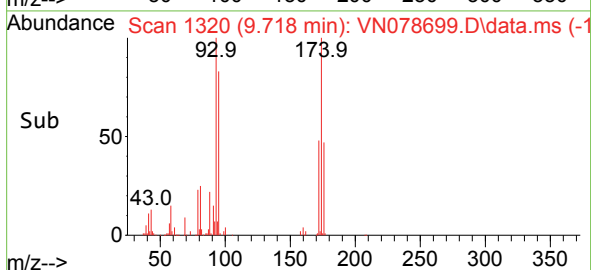
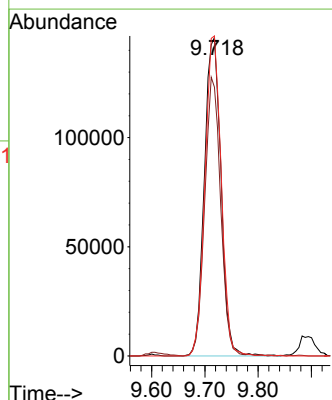
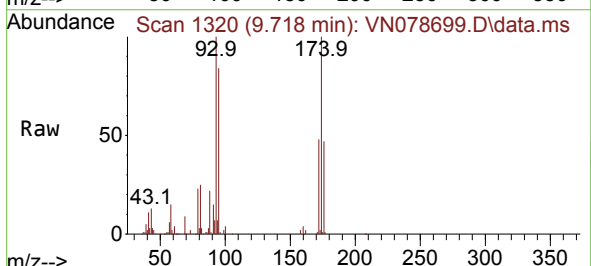
Tgt Ion: 93 Resp: 315345

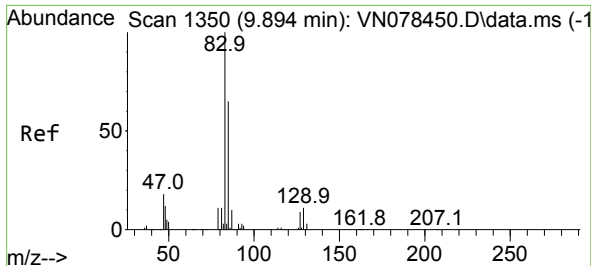
Ion Ratio Lower Upper

93 100

95 83.9 63.8 95.8

174 98.3 65.6 98.4

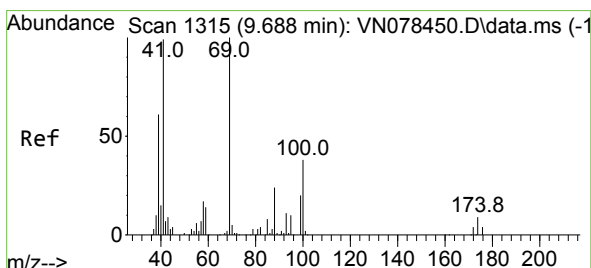
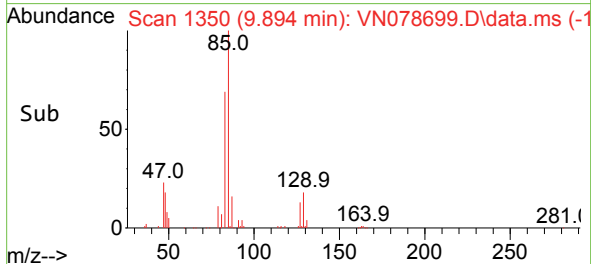
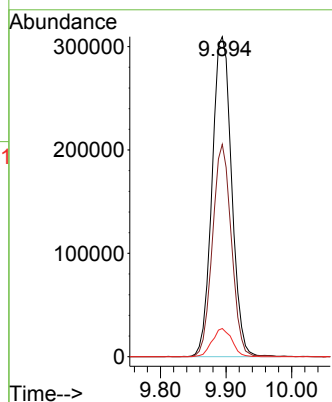
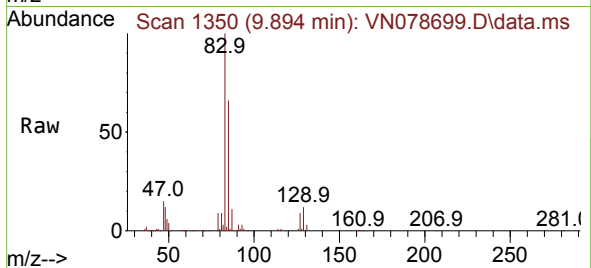




#47  
Bromodichloromethane  
Concen: 50.422 ug/l  
RT: 9.894 min Scan# 1350  
Delta R.T. 0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

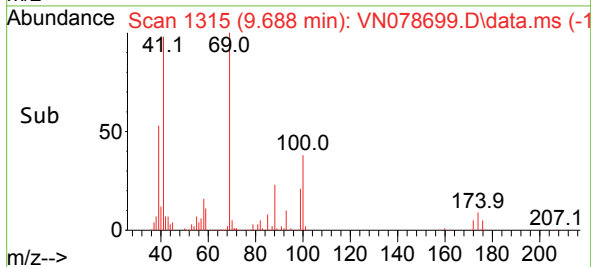
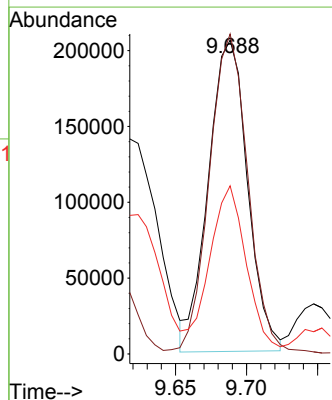
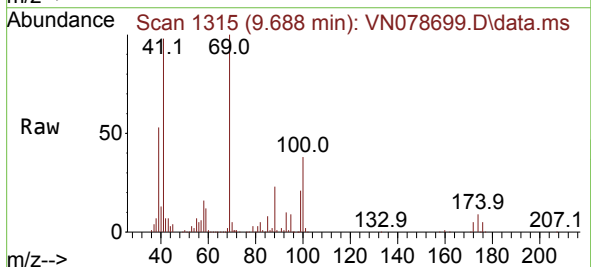
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

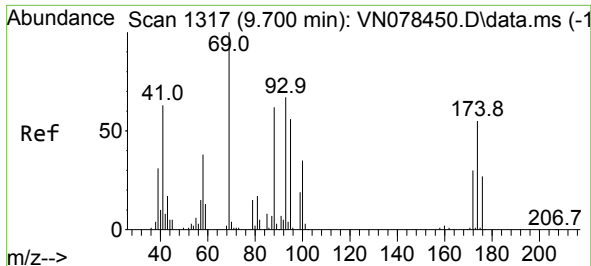
Tgt Ion: 83 Resp: 641144  
Ion Ratio Lower Upper  
83 100  
85 66.3 49.6 74.4  
127 8.8 7.0 10.6



#48  
Methyl methacrylate  
Concen: 51.591 ug/l  
RT: 9.688 min Scan# 1315  
Delta R.T. 0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion: 41 Resp: 394008  
Ion Ratio Lower Upper  
41 100  
69 101.2 90.4 135.6  
39 51.4 54.6 81.8#





#49

1,4-Dioxane

Concen: 892.144 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN078699.D

Acq: 31 Jul 2023 12:16

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

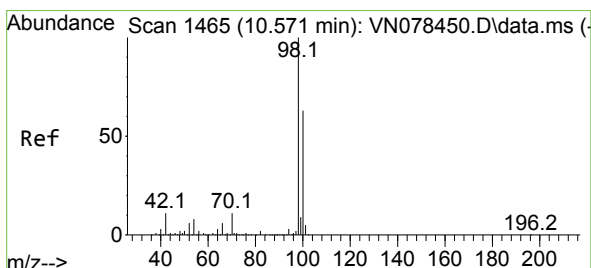
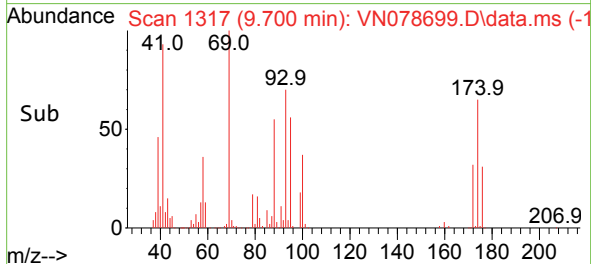
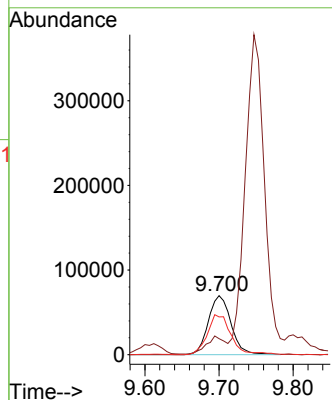
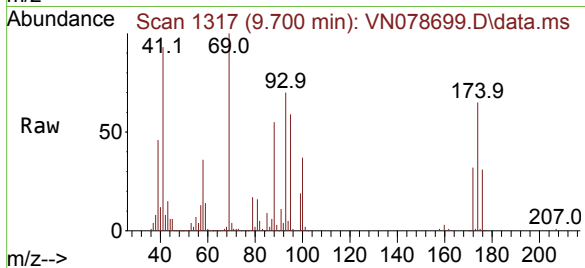
Tgt Ion: 88 Resp: 148589

Ion Ratio Lower Upper

88 100

43 24.9 17.0 25.6

58 70.8 47.0 70.4#



#50

Toluene-d8

Concen: 47.622 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078699.D

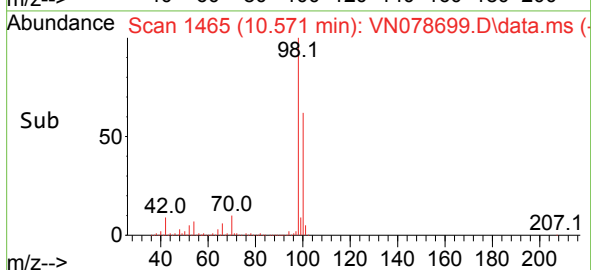
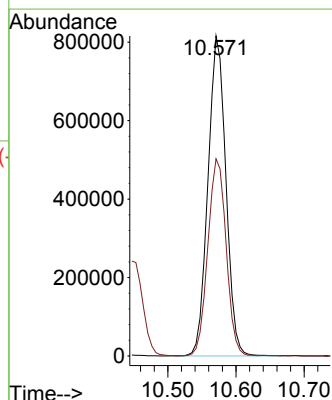
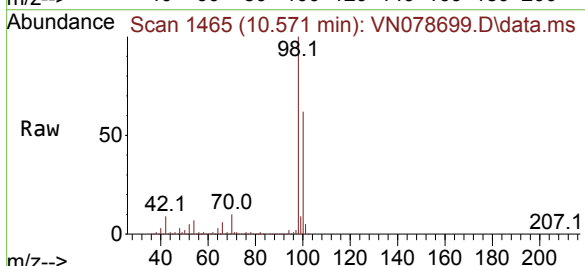
Acq: 31 Jul 2023 12:16

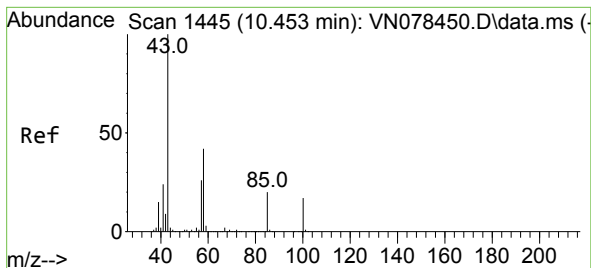
Tgt Ion: 98 Resp: 1496504

Ion Ratio Lower Upper

98 100

100 63.0 52.0 78.0

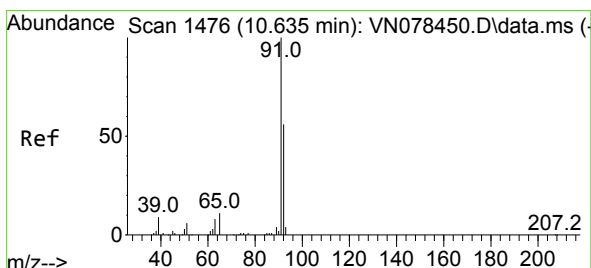
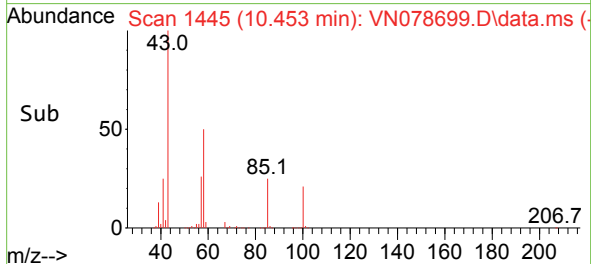
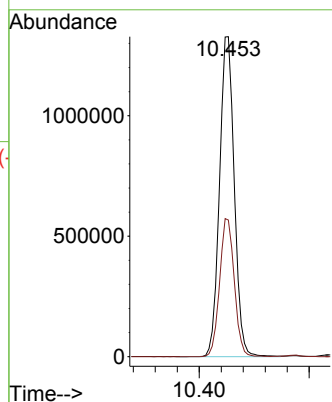
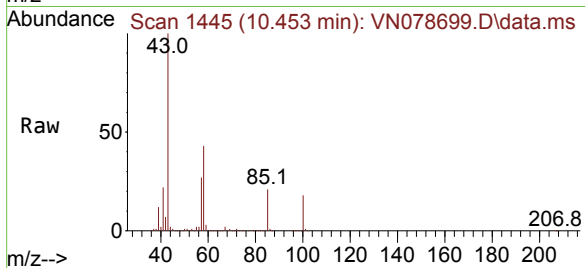




#51  
4-Methyl-2-Pentanone  
Concen: 252.226 ug/l  
RT: 10.453 min Scan# 1445  
Delta R.T. 0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

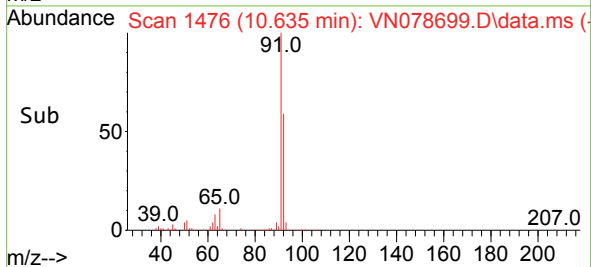
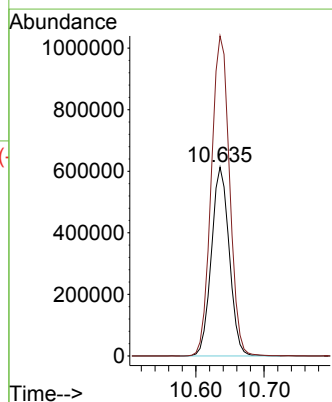
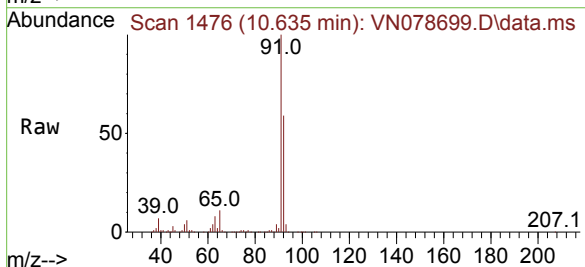
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

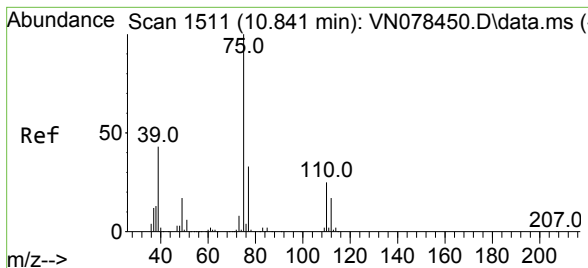
Tgt Ion: 43 Resp: 2473145  
Ion Ratio Lower Upper  
43 100  
58 42.9 36.6 54.8



#52  
Toluene  
Concen: 50.638 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion: 92 Resp: 1116782  
Ion Ratio Lower Upper  
92 100  
91 174.2 137.4 206.0

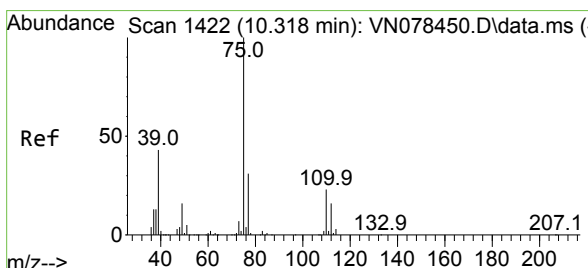
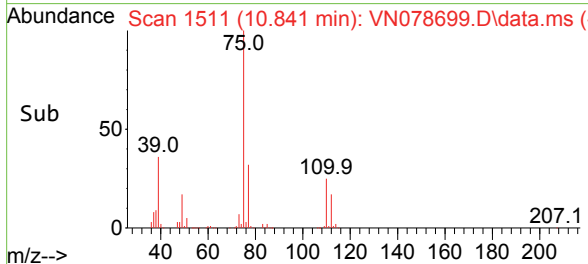
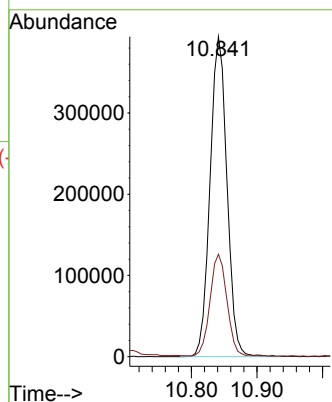
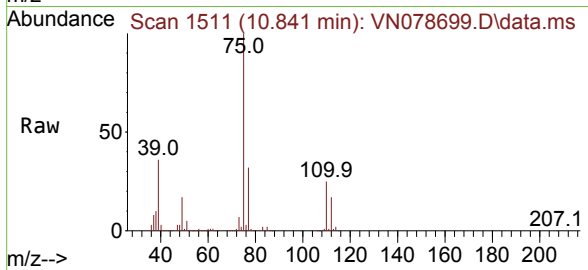




#53  
t-1,3-Dichloropropene  
Concen: 54.204 ug/l  
RT: 10.841 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

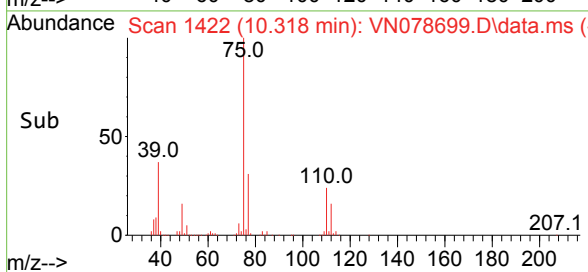
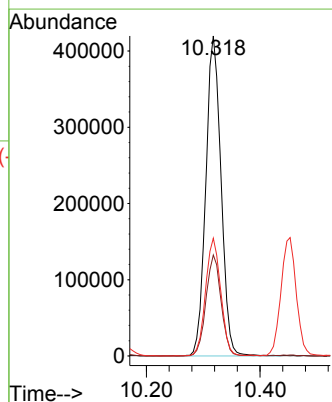
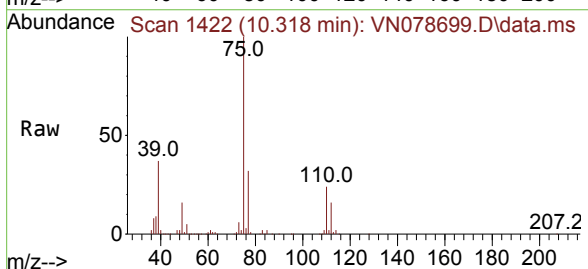
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

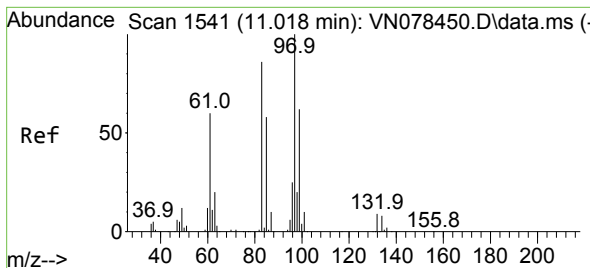
Tgt Ion: 75 Resp: 706091  
Ion Ratio Lower Upper  
75 100  
77 31.8 25.4 38.0



#54  
cis-1,3-Dichloropropene  
Concen: 56.115 ug/l  
RT: 10.318 min Scan# 1422  
Delta R.T. -0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion: 75 Resp: 779190  
Ion Ratio Lower Upper  
75 100  
77 31.5 26.1 39.1  
39 36.8 31.6 47.4





#55

1,1,2-Trichloroethane

Concen: 51.910 ug/l

RT: 11.024 min Scan# 1542

Delta R.T. 0.006 min

Lab File: VN078699.D

Acq: 31 Jul 2023 12:16

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 451059

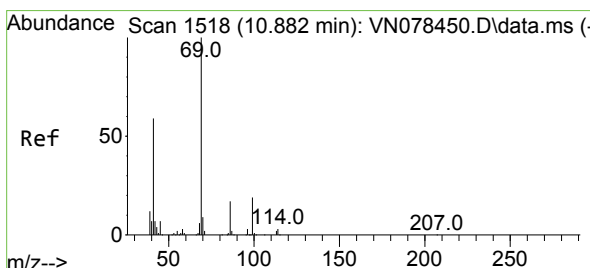
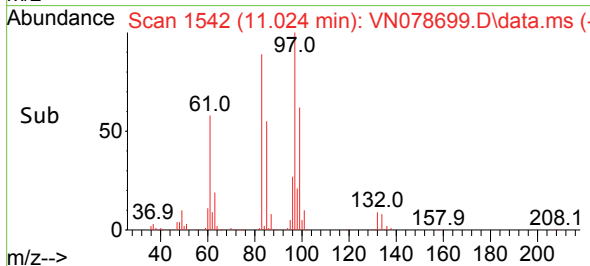
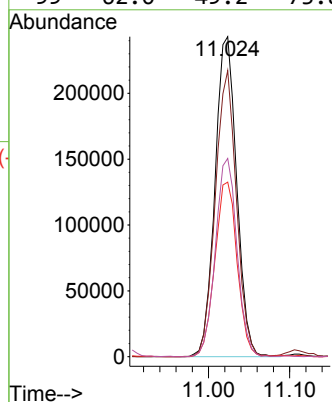
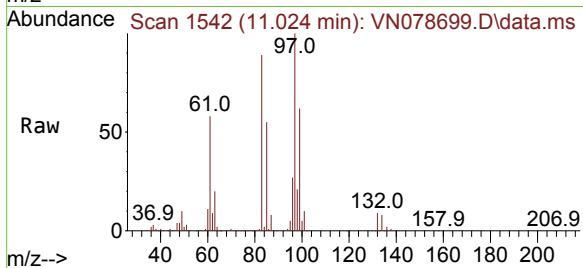
Ion Ratio Lower Upper

97 100

83 89.4 65.1 97.7

85 54.6 43.4 65.2

99 62.0 49.2 73.8



#56

Ethyl methacrylate

Concen: 56.176 ug/l

RT: 10.877 min Scan# 1517

Delta R.T. -0.005 min

Lab File: VN078699.D

Acq: 31 Jul 2023 12:16

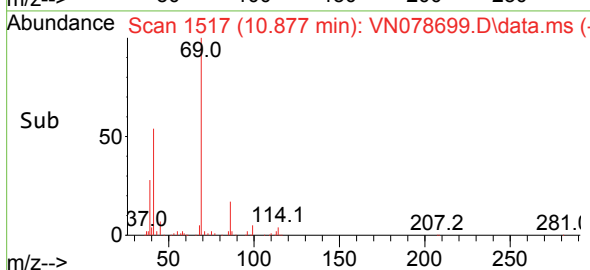
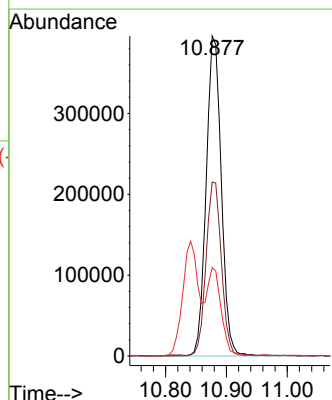
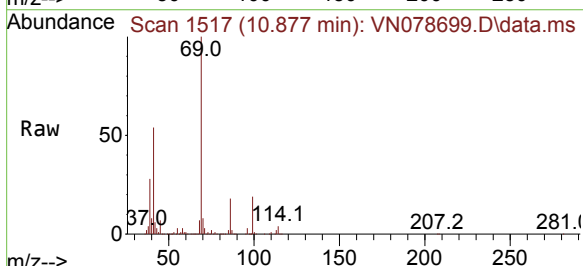
Tgt Ion: 69 Resp: 682340

Ion Ratio Lower Upper

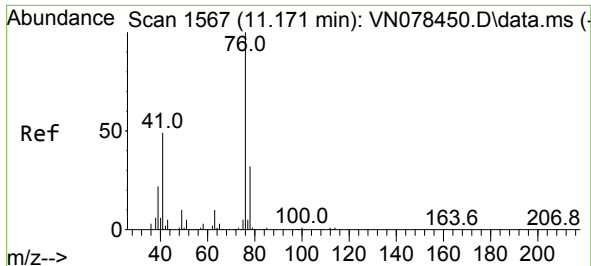
69 100

41 54.9 39.6 59.4

39 23.7 28.6 43.0#







#57

1,3-Dichloropropane

Concen: 51.884 ug/l

RT: 11.171 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN078699.D

Acq: 31 Jul 2023 12:16

Instrument :

MSVOA\_N

ClientSampleId :

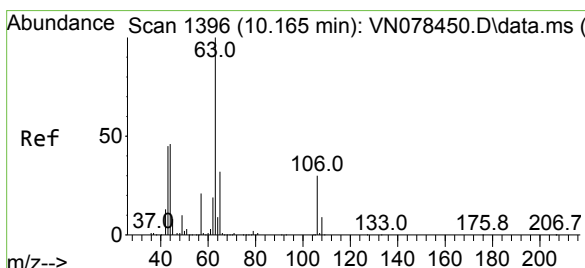
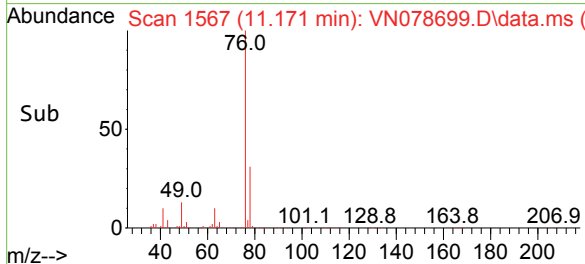
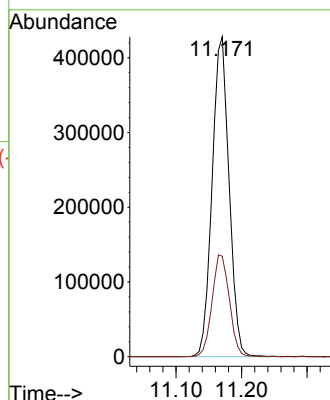
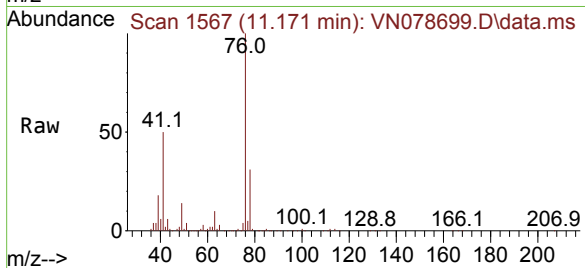
VSTDCCC050

Tgt Ion: 76 Resp: 766551

Ion Ratio Lower Upper

76 100

78 32.5 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 268.138 ug/l

RT: 10.165 min Scan# 1396

Delta R.T. -0.000 min

Lab File: VN078699.D

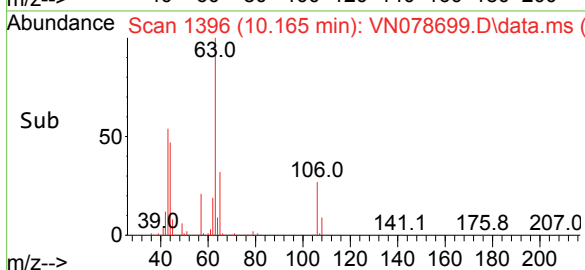
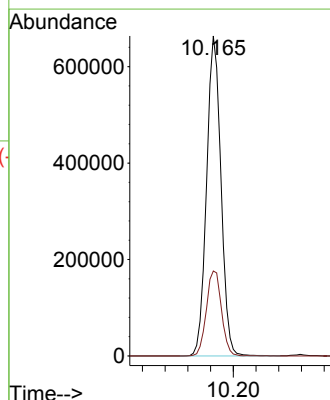
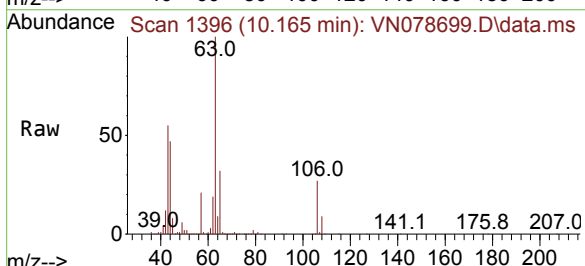
Acq: 31 Jul 2023 12:16

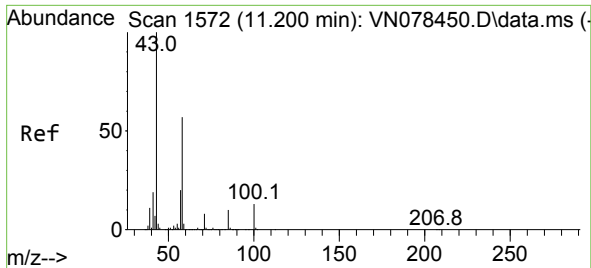
Tgt Ion: 63 Resp: 1160692

Ion Ratio Lower Upper

63 100

106 28.0 26.2 39.4

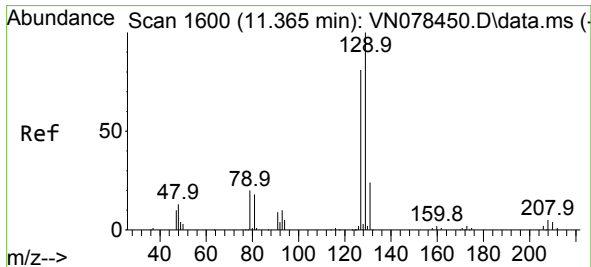
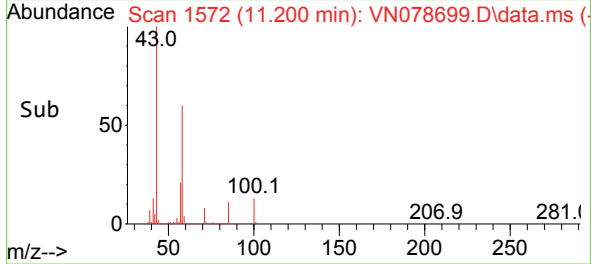
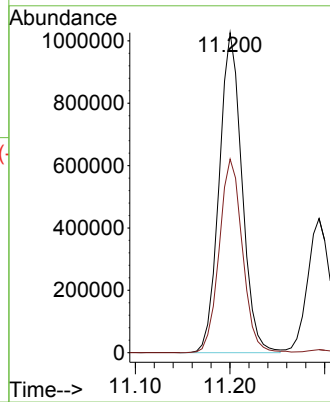
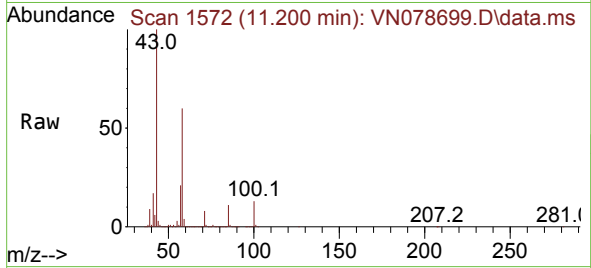




#59  
2-Hexanone  
Concen: 246.291 ug/l  
RT: 11.200 min Scan# 1572  
Delta R.T. 0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

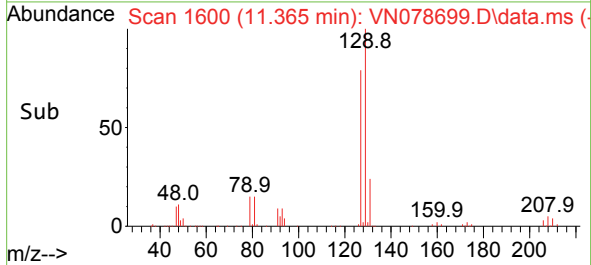
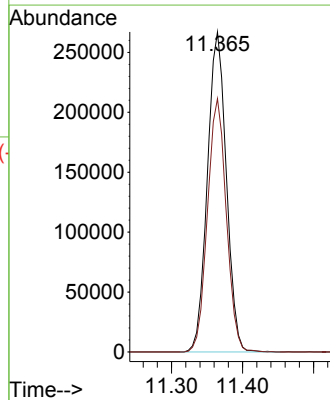
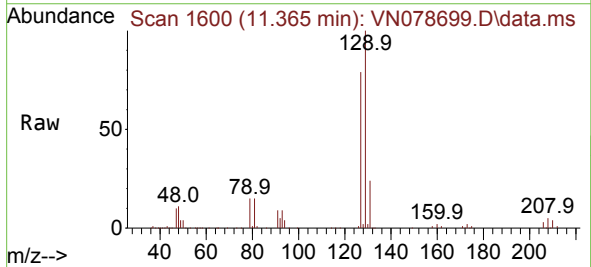
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

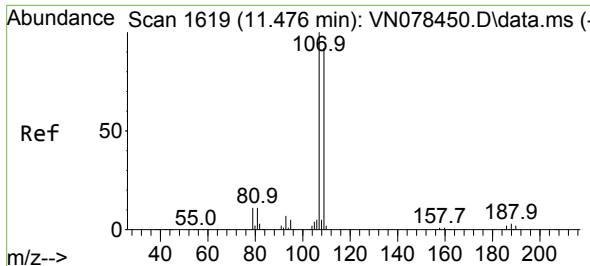
Tgt Ion: 43 Resp: 1716338  
Ion Ratio Lower Upper  
43 100  
58 61.6 31.7 95.1



#60  
Dibromochloromethane  
Concen: 51.593 ug/l  
RT: 11.365 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion: 129 Resp: 494920  
Ion Ratio Lower Upper  
129 100  
127 78.8 38.6 116.0

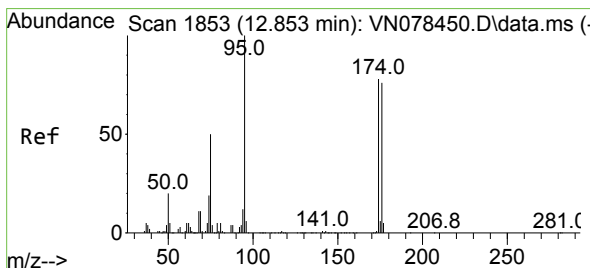
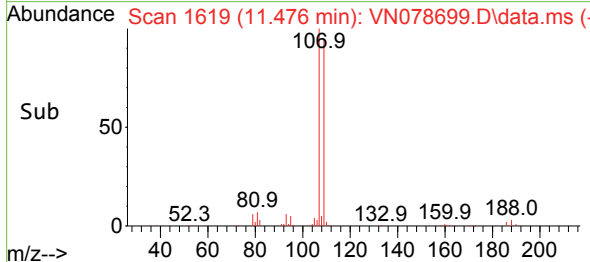
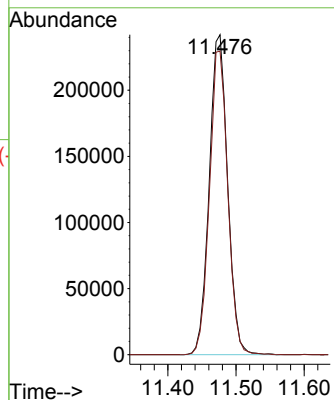
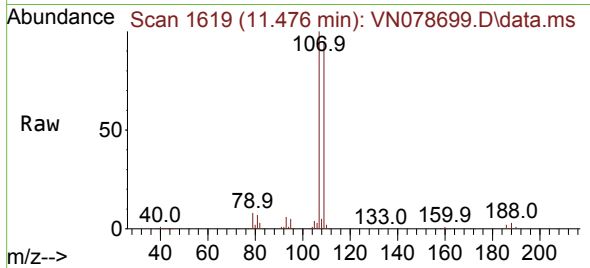




#61  
1,2-Dibromoethane  
Concen: 50.709 ug/l  
RT: 11.476 min Scan# 1619  
Delta R.T. 0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

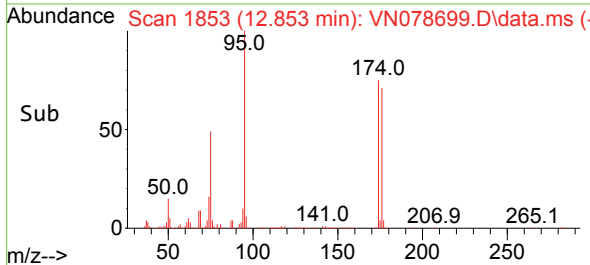
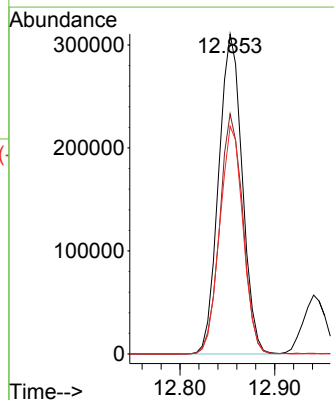
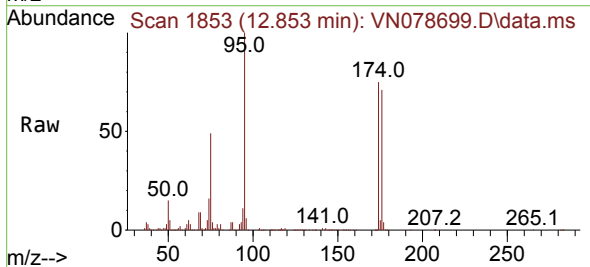
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ClientSampleId :  
VSTDCCC050

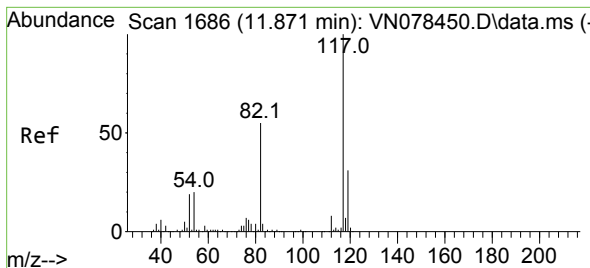
Tgt Ion:107 Resp: 453902  
Ion Ratio Lower Upper  
107 100  
109 94.4 76.6 114.8



#62  
4-Bromofluorobenzene  
Concen: 55.488 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion: 95 Resp: 537094  
Ion Ratio Lower Upper  
95 100  
174 73.7 0.0 143.8  
176 70.6 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078699.D

Acq: 31 Jul 2023 12:16

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

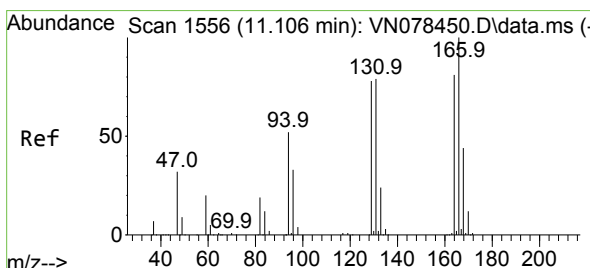
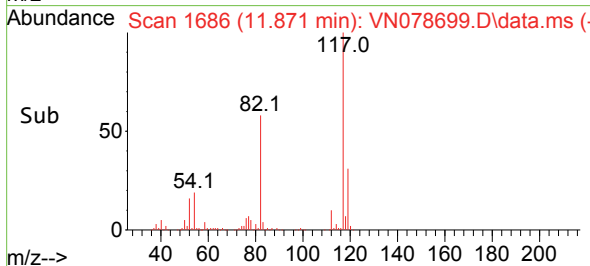
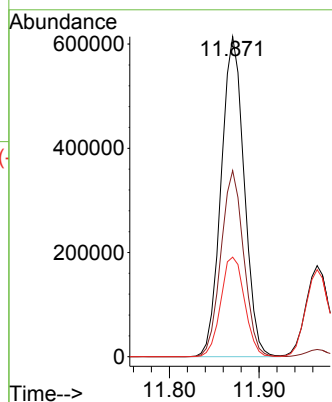
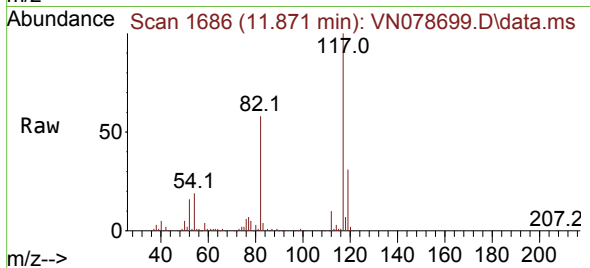
Tgt Ion:117 Resp: 1093449

Ion Ratio Lower Upper

117 100

82 58.2 44.0 66.0

119 31.1 25.6 38.4



#64

Tetrachloroethene

Concen: 46.858 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VN078699.D

Acq: 31 Jul 2023 12:16

Tgt Ion:164 Resp: 385215

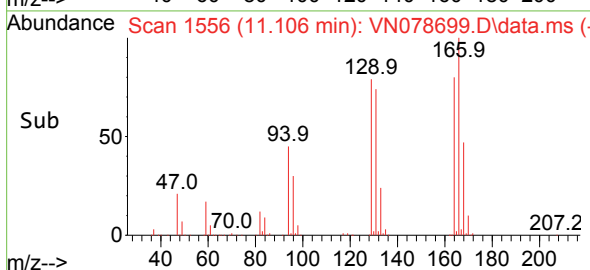
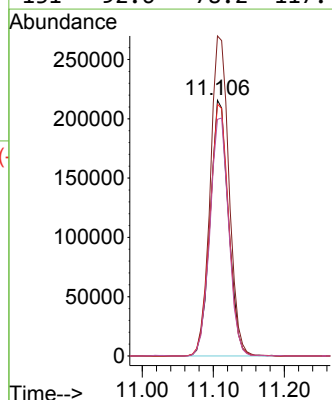
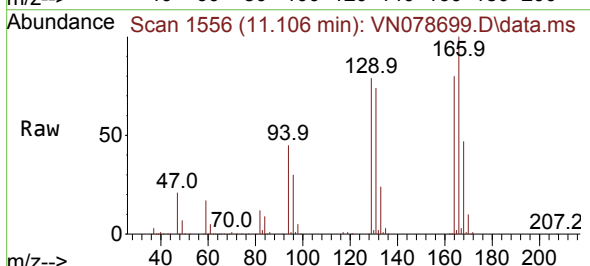
Ion Ratio Lower Upper

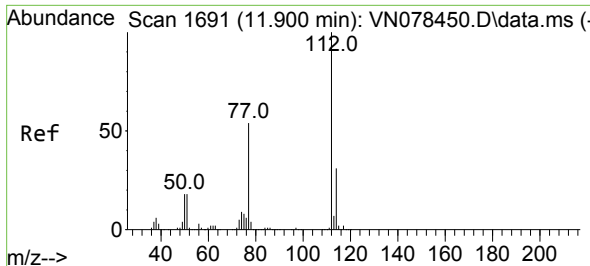
164 100

166 125.2 101.4 152.0

129 98.5 82.4 123.6

131 92.6 78.2 117.4

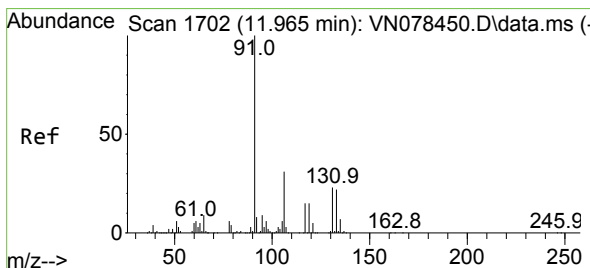
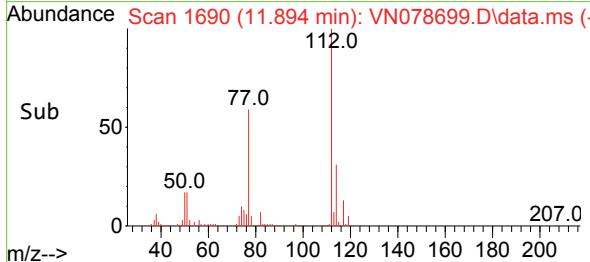
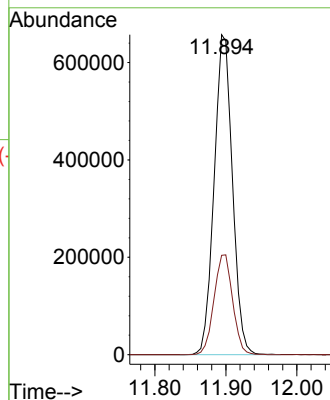
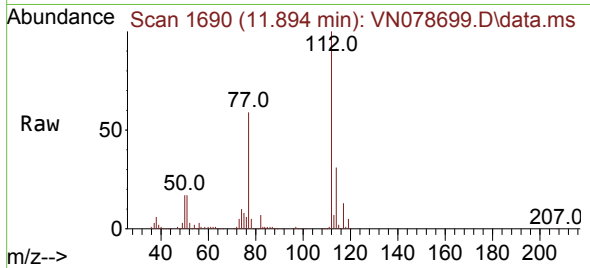




#65  
Chlorobenzene  
Concen: 47.962 ug/l  
RT: 11.894 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

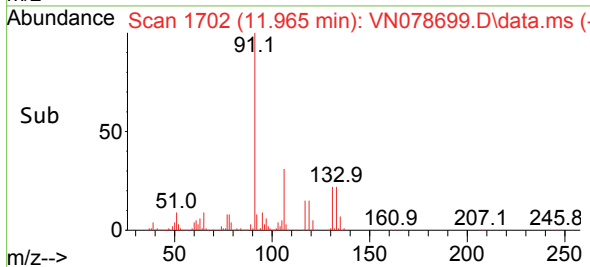
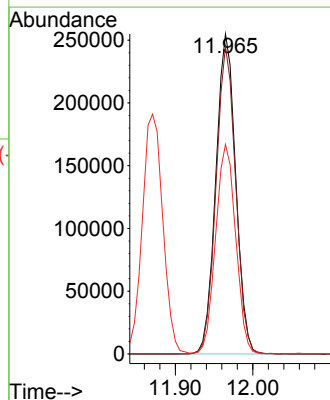
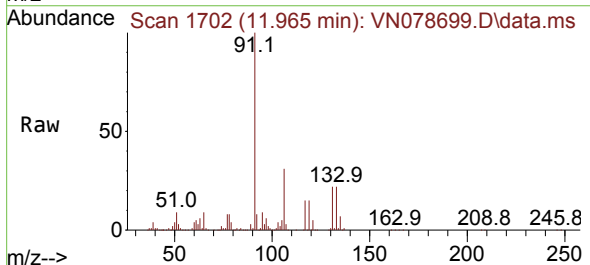
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

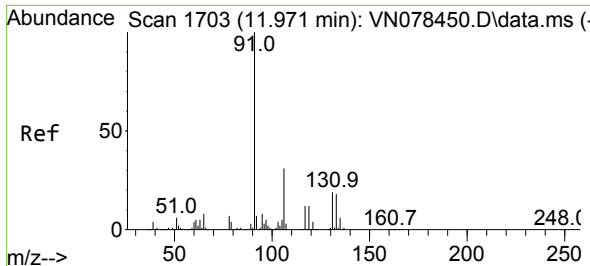
Tgt Ion:112 Resp: 1172234  
Ion Ratio Lower Upper  
112 100  
114 31.1 25.0 37.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 48.273 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. -0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion:131 Resp: 453884  
Ion Ratio Lower Upper  
131 100  
133 94.8 46.4 139.1  
119 66.2 34.1 102.2

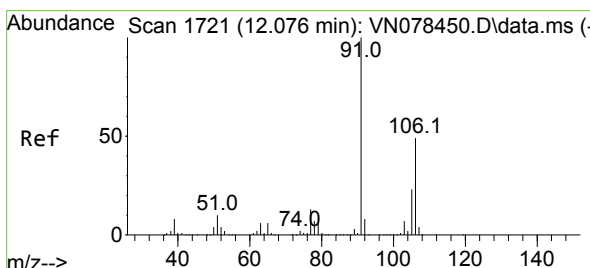
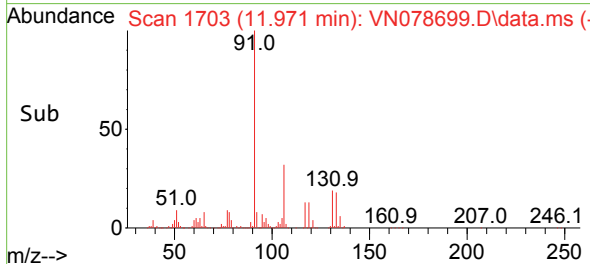
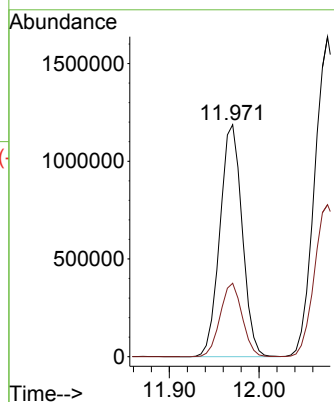
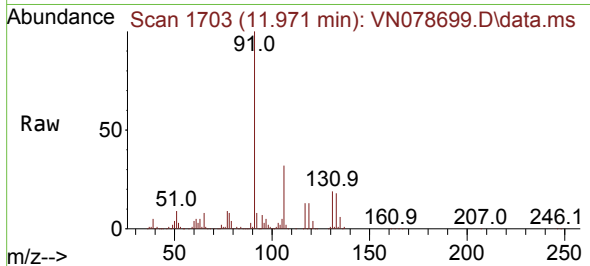




#67  
Ethyl Benzene  
Concen: 49.477 ug/l  
RT: 11.971 min Scan# 1703  
Delta R.T. -0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

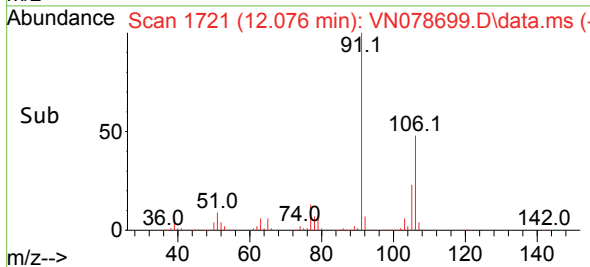
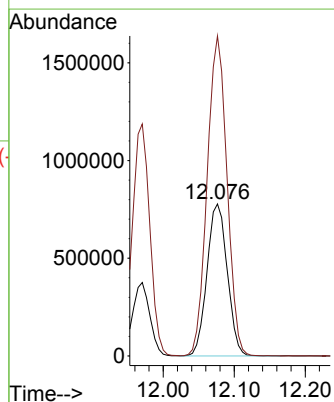
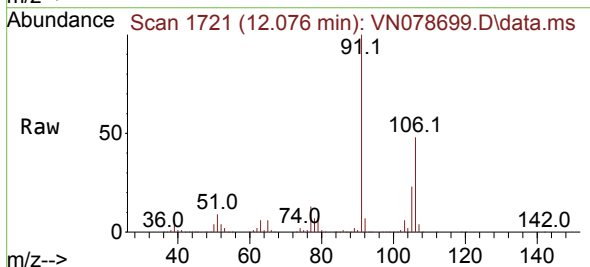
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

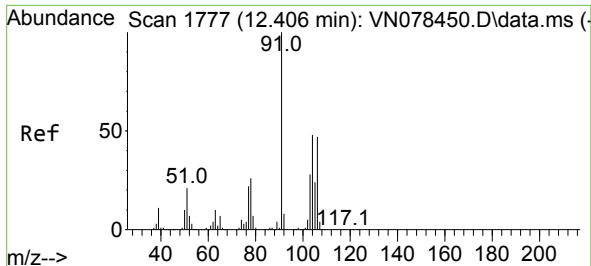
Tgt Ion: 91 Resp: 2044075  
Ion Ratio Lower Upper  
91 100  
106 31.6 25.6 38.4



#68  
m/p-Xylenes  
Concen: 100.903 ug/l  
RT: 12.076 min Scan# 1721  
Delta R.T. 0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion:106 Resp: 1541279  
Ion Ratio Lower Upper  
106 100  
91 206.0 159.6 239.4

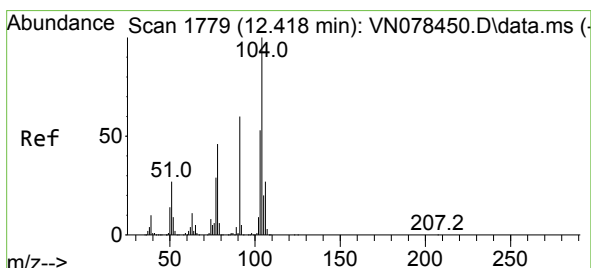
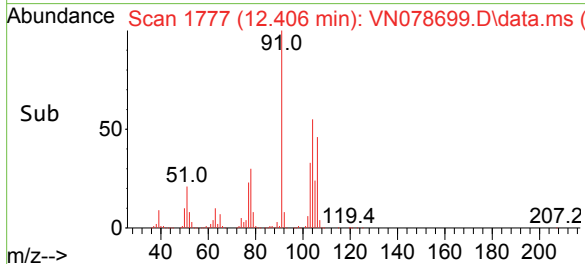
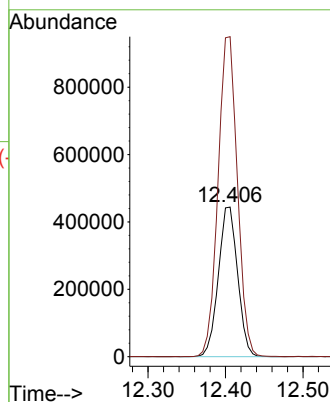
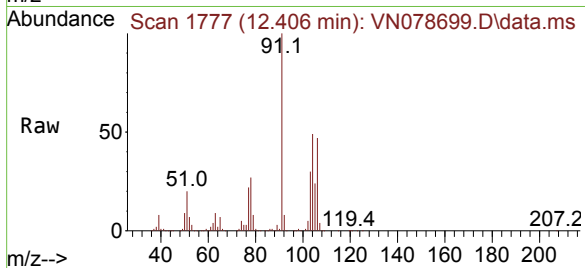




#69  
o-Xylene  
Concen: 49.725 ug/l  
RT: 12.406 min Scan# 1777  
Delta R.T. -0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

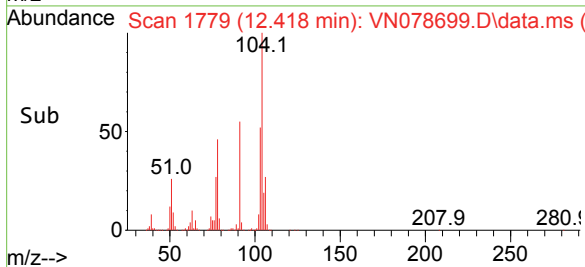
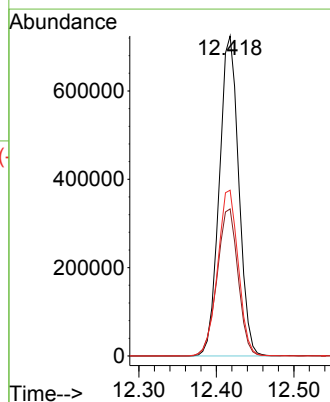
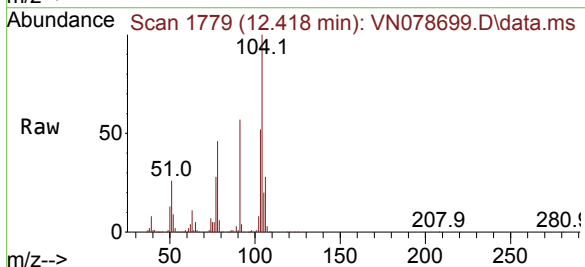
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

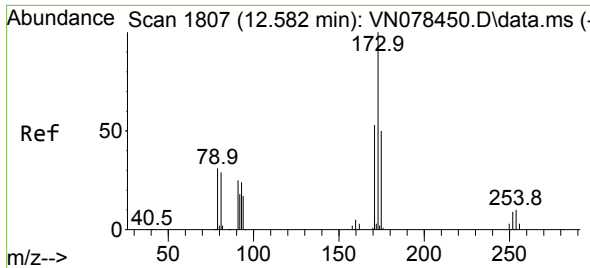
Tgt Ion:106 Resp: 767183  
Ion Ratio Lower Upper  
106 100  
91 215.1 105.2 315.5



#70  
Styrene  
Concen: 52.369 ug/l  
RT: 12.418 min Scan# 1779  
Delta R.T. -0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion:104 Resp: 1264043  
Ion Ratio Lower Upper  
104 100  
78 49.7 39.5 59.3  
103 55.2 43.2 64.8

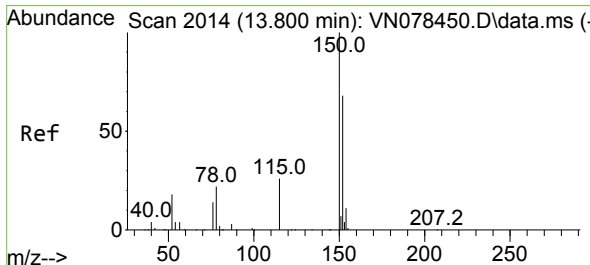
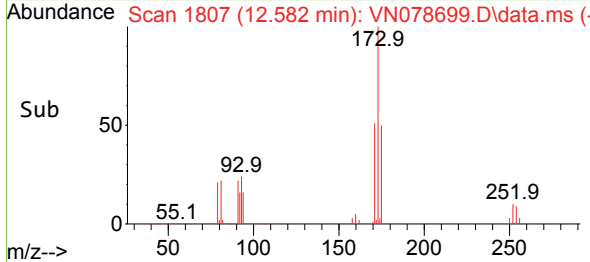
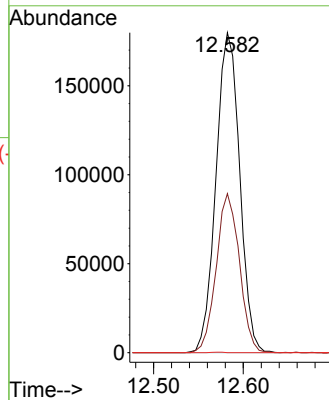
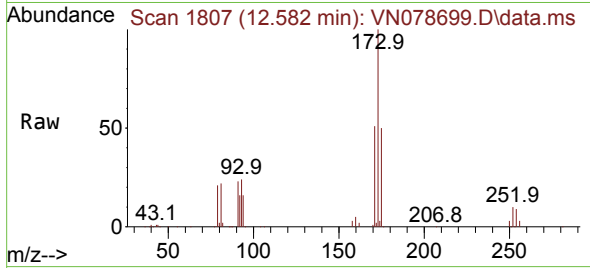




#71  
Bromoform  
Concen: 51.811 ug/l  
RT: 12.582 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

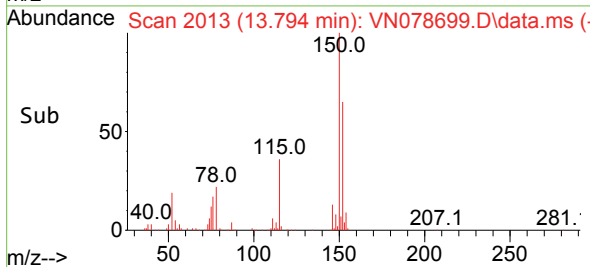
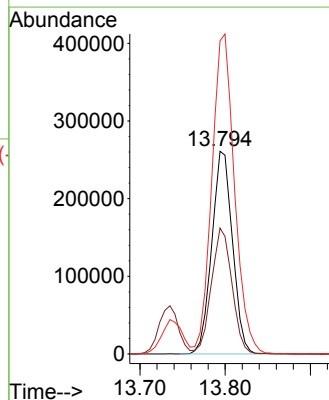
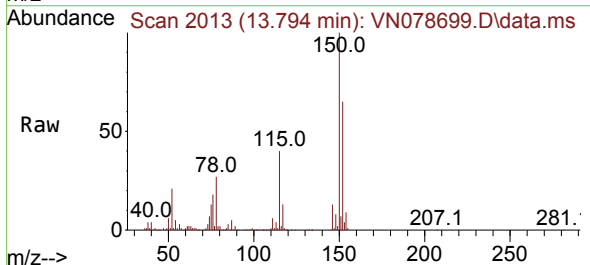
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tgt Ion:173 Resp: 329927  
Ion Ratio Lower Upper  
173 100  
175 48.6 24.3 73.0  
254 0.1 0.0 0.0#

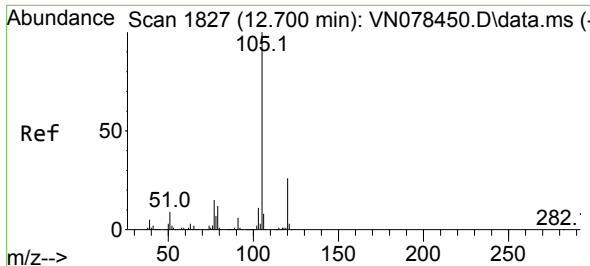


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. -0.006 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion:152 Resp: 442076  
Ion Ratio Lower Upper  
152 100  
115 61.9 32.3 96.8  
150 172.9 0.0 355.8



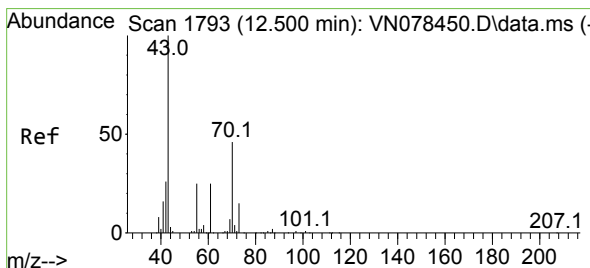
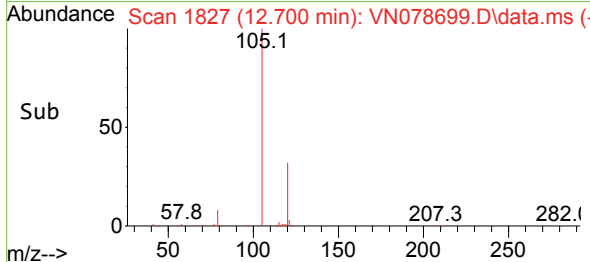
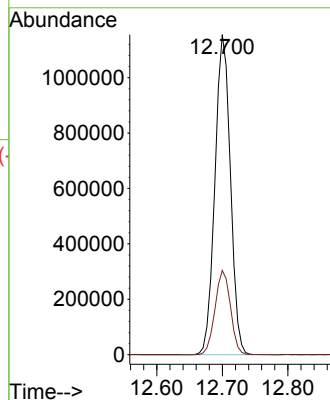
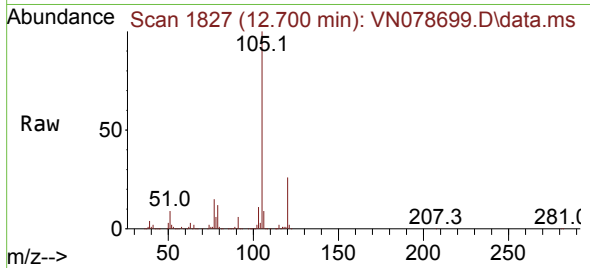




#73  
Isopropylbenzene  
Concen: 45.466 ug/l  
RT: 12.700 min Scan# 1827  
Delta R.T. -0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

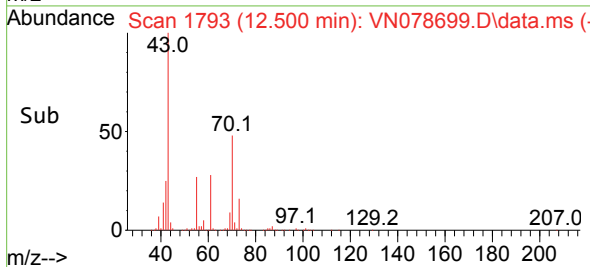
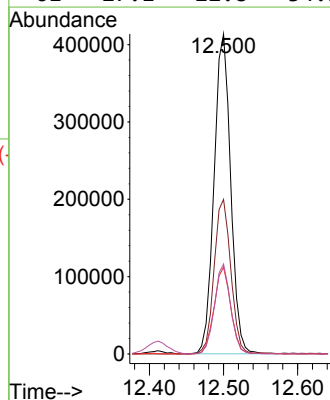
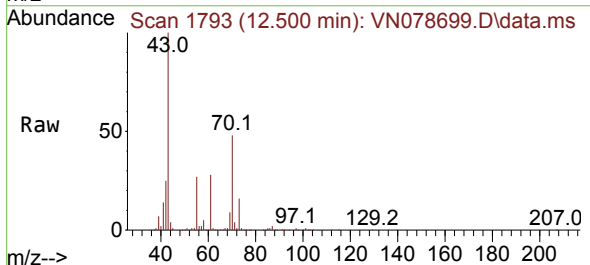
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MSVOA\_N  
ClientSampleId :  
VSTDCCC050

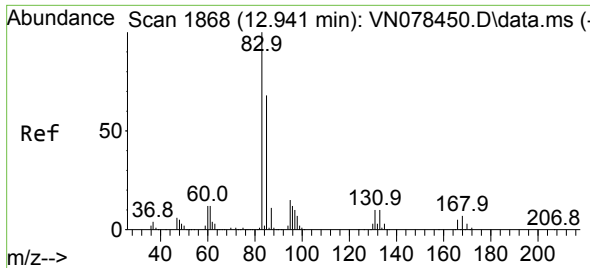
Tgt Ion:105 Resp: 1888609  
Ion Ratio Lower Upper  
105 100  
120 26.3 13.1 39.1



#74  
N-ethyl acetate  
Concen: 44.936 ug/l  
RT: 12.500 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion: 43 Resp: 643273  
Ion Ratio Lower Upper  
43 100  
70 48.7 43.4 65.2  
55 27.5 21.4 32.0  
61 27.1 22.8 34.2

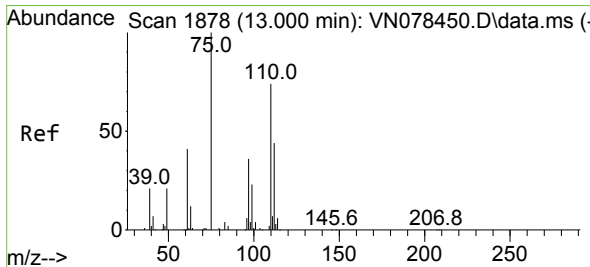
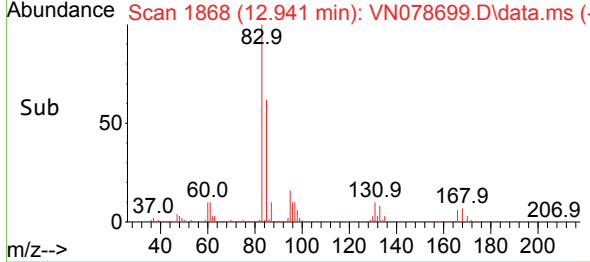
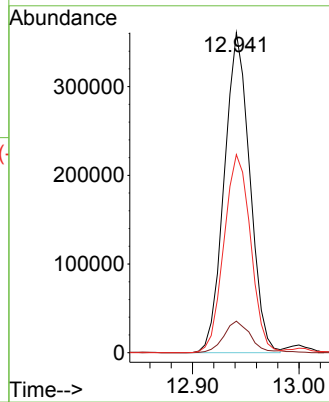
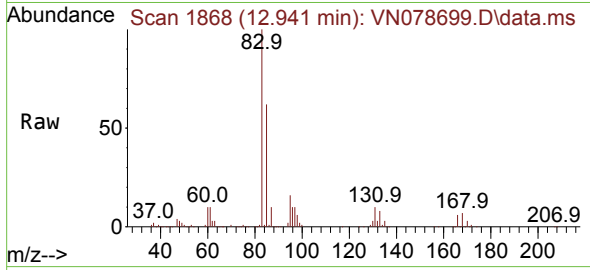




#75  
1,1,2,2-Tetrachloroethane  
Concen: 51.866 ug/l  
RT: 12.941 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

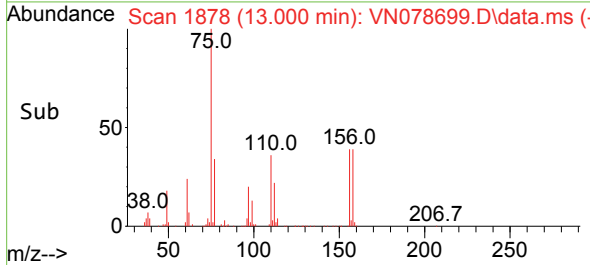
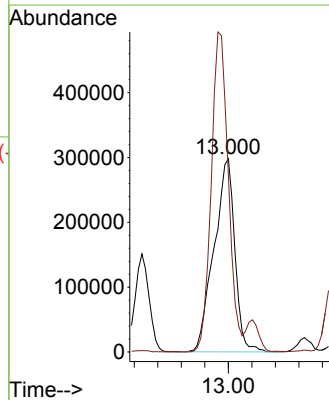
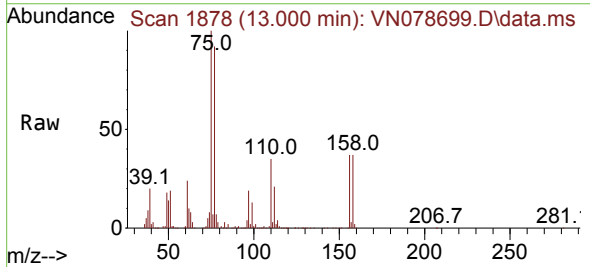
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

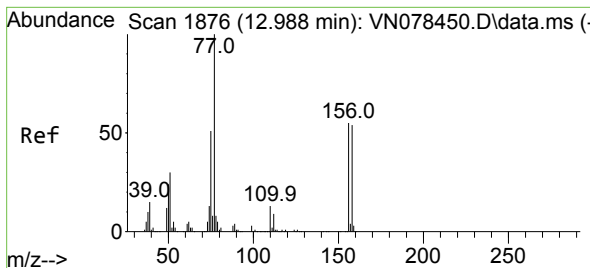
Tgt Ion: 83 Resp: 600413  
Ion Ratio Lower Upper  
83 100  
131 10.5 5.0 15.0  
85 64.7 31.9 95.7



#76  
1,2,3-Trichloropropane  
Concen: 68.469 ug/l  
RT: 13.000 min Scan# 1878  
Delta R.T. -0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion: 75 Resp: 731628  
Ion Ratio Lower Upper  
75 100  
77 135.8 84.5 253.5





#77

Bromobenzene

Concen: 51.386 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. -0.006 min

Lab File: VN078699.D

Acq: 31 Jul 2023 12:16

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

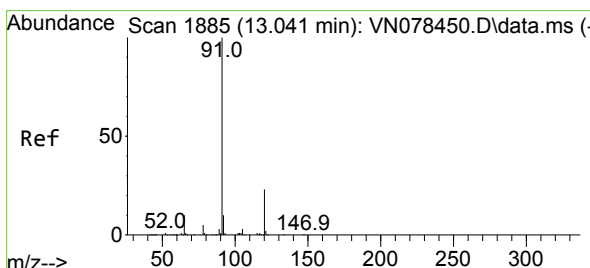
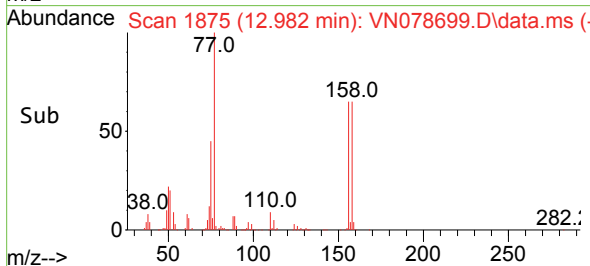
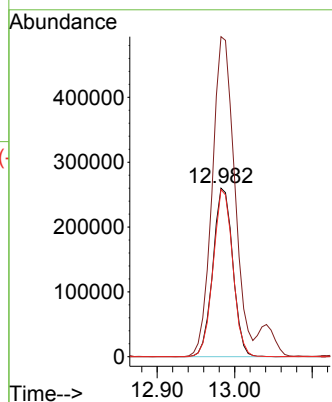
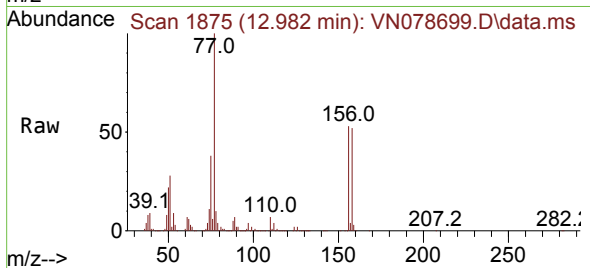
Tgt Ion:156 Resp: 463800

Ion Ratio Lower Upper

156 100

77 214.2 107.7 323.3

158 97.9 48.4 145.3



#78

n-propylbenzene

Concen: 46.827 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VN078699.D

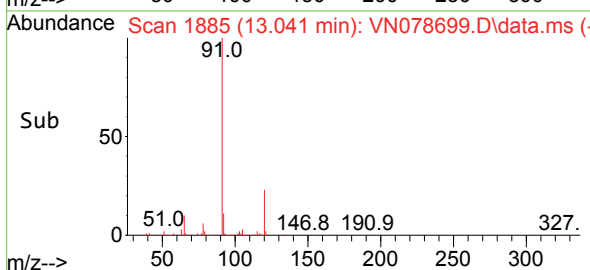
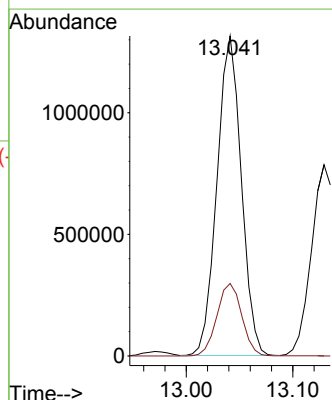
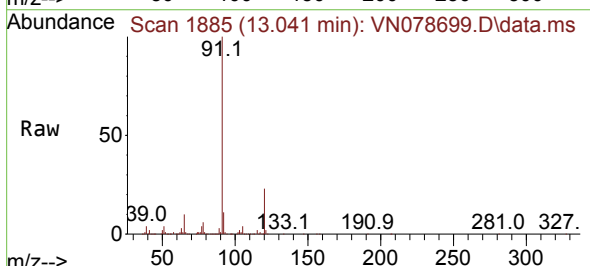
Acq: 31 Jul 2023 12:16

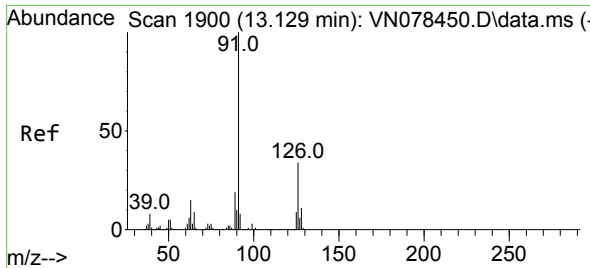
Tgt Ion: 91 Resp: 2080222

Ion Ratio Lower Upper

91 100

120 23.2 11.5 34.4

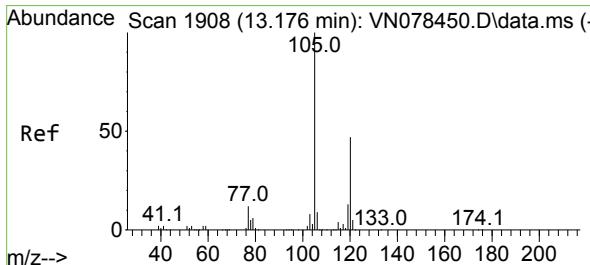
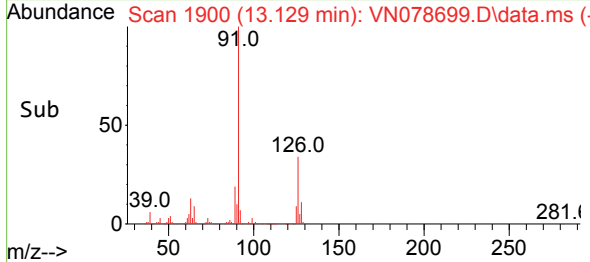
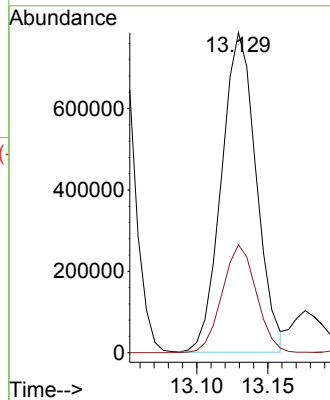
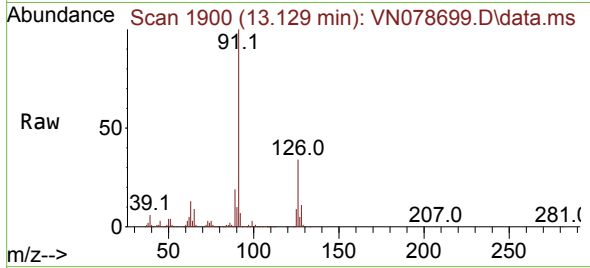




#79  
2-Chlorotoluene  
Concen: 45.971 ug/l  
RT: 13.129 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

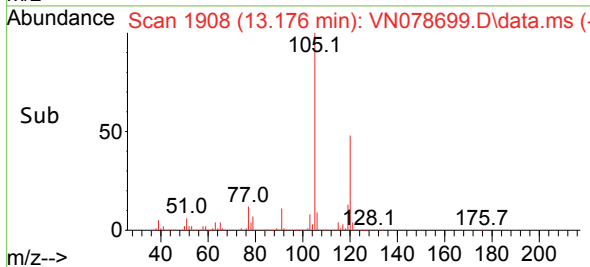
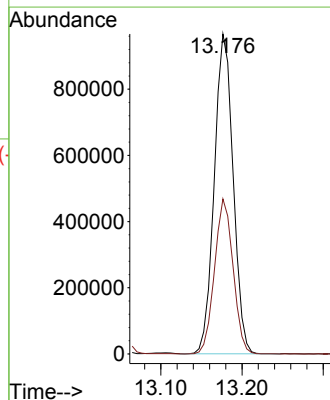
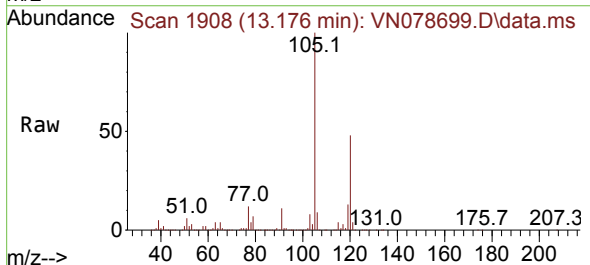
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

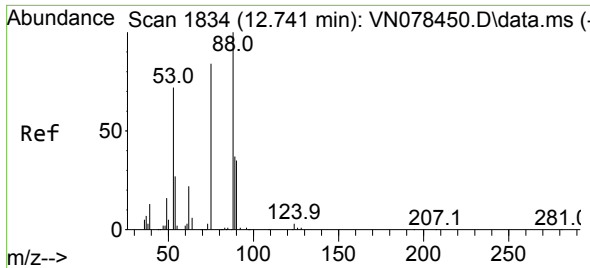
Tgt Ion: 91 Resp: 1337674  
Ion Ratio Lower Upper  
91 100  
126 33.2 16.3 48.8



#80  
1,3,5-Trimethylbenzene  
Concen: 47.488 ug/l  
RT: 13.176 min Scan# 1908  
Delta R.T. 0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion:105 Resp: 1558626  
Ion Ratio Lower Upper  
105 100  
120 47.7 24.1 72.3

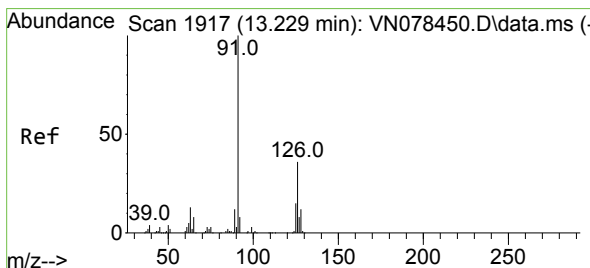
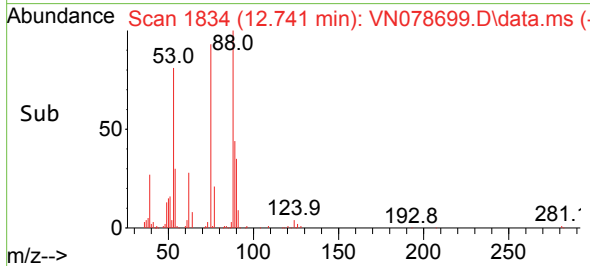
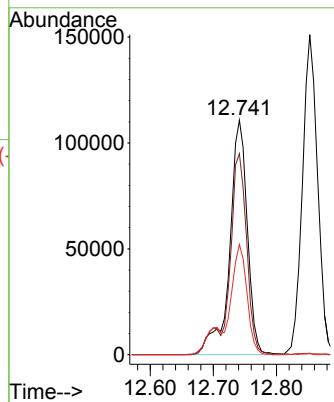
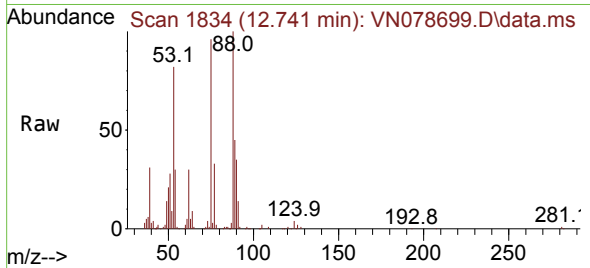




#81  
trans-1,4-Dichloro-2-butene  
Concen: 53.097 ug/l  
RT: 12.741 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

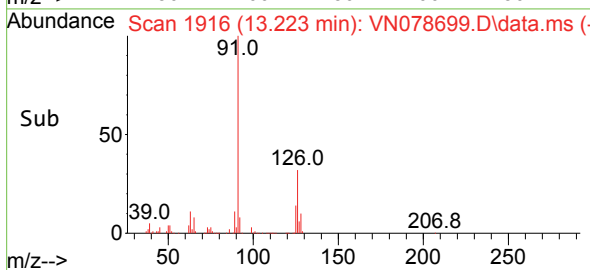
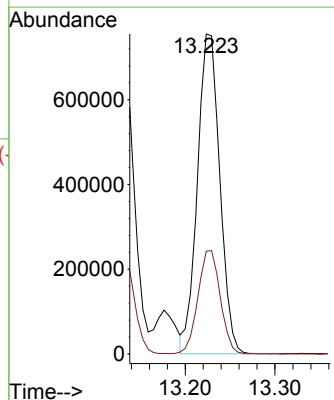
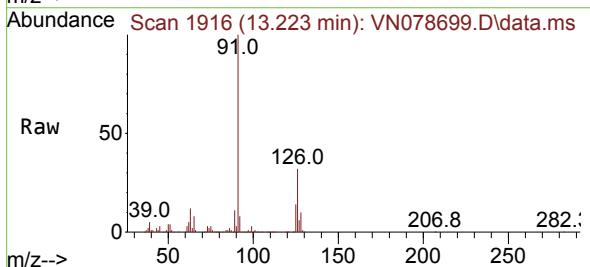
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

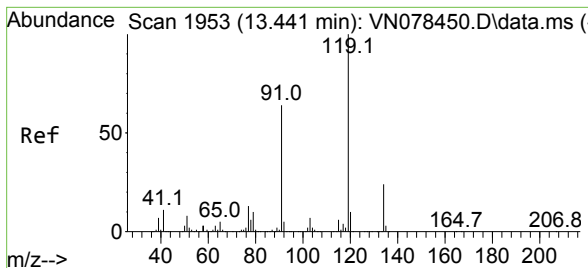
Tgt Ion: 75 Resp: 215911  
Ion Ratio Lower Upper  
75 100  
53 74.7 67.4 101.2  
89 41.3 38.8 58.2



#82  
4-Chlorotoluene  
Concen: 48.181 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. -0.006 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion: 91 Resp: 1307879  
Ion Ratio Lower Upper  
91 100  
126 32.2 16.7 50.0

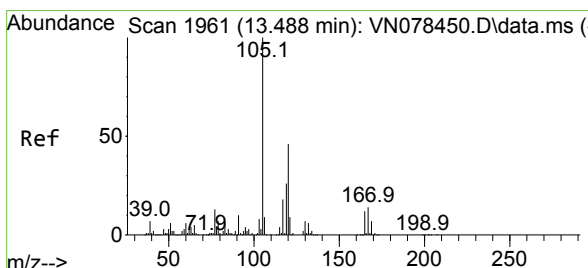
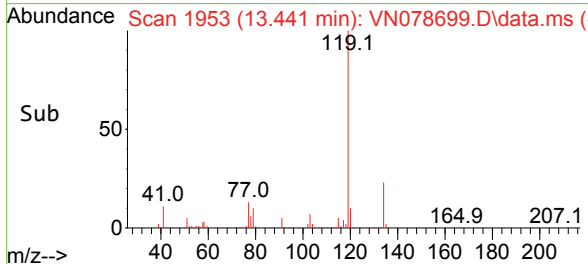
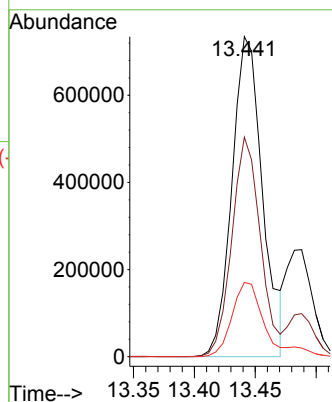
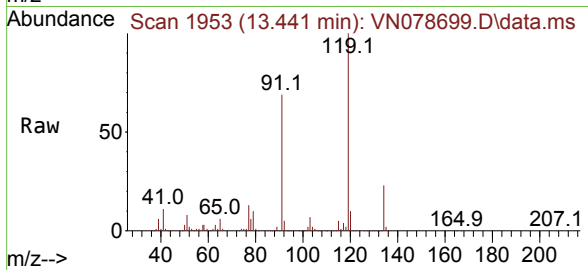




#83  
tert-Butylbenzene  
Concen: 46.123 ug/l  
RT: 13.441 min Scan# 1953  
Delta R.T. 0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

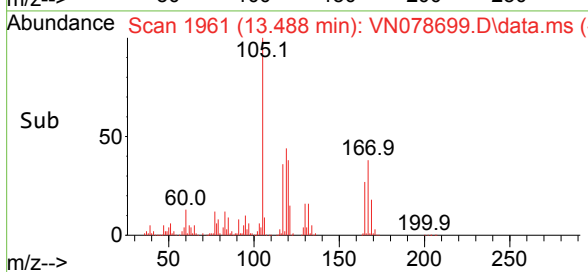
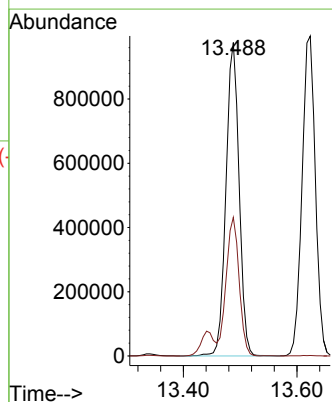
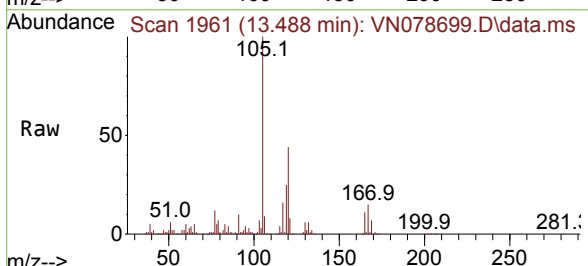
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

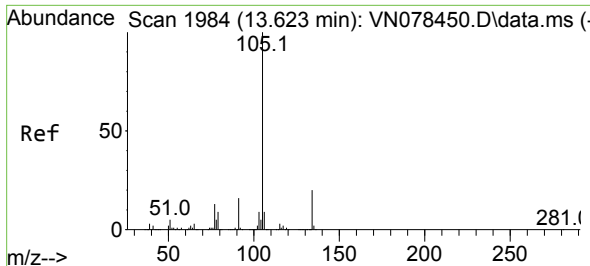
Tgt Ion:119 Resp: 1285236  
Ion Ratio Lower Upper  
119 100  
91 64.1 33.9 101.7  
134 25.1 13.2 39.6



#84  
1,2,4-Trimethylbenzene  
Concen: 49.315 ug/l  
RT: 13.488 min Scan# 1961  
Delta R.T. 0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion:105 Resp: 1572162  
Ion Ratio Lower Upper  
105 100  
120 43.8 22.0 66.0

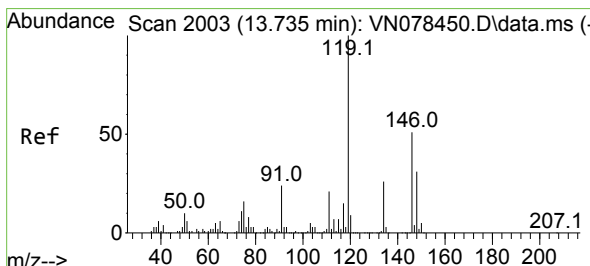
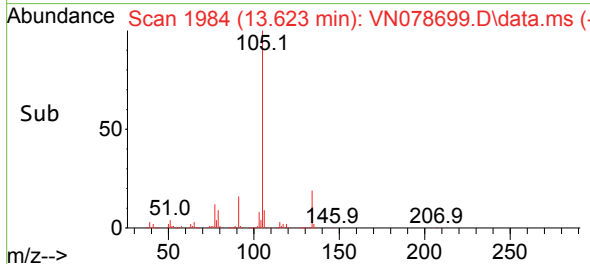
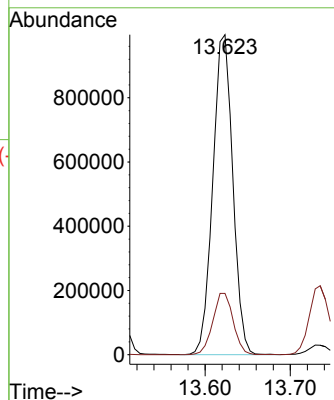
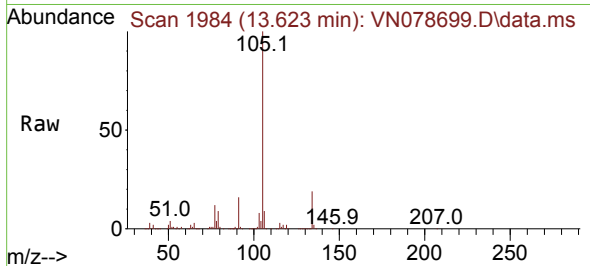




#85  
 sec-Butylbenzene  
 Concen: 46.061 ug/l  
 RT: 13.623 min Scan# 1984  
 Delta R.T. 0.000 min  
 Lab File: VN078699.D  
 Acq: 31 Jul 2023 12:16

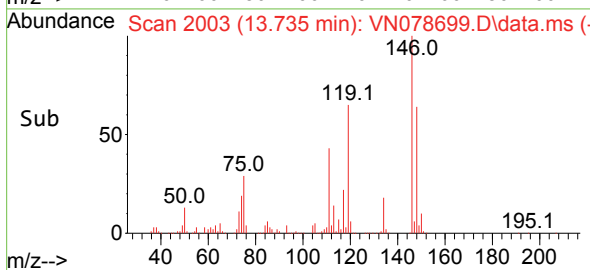
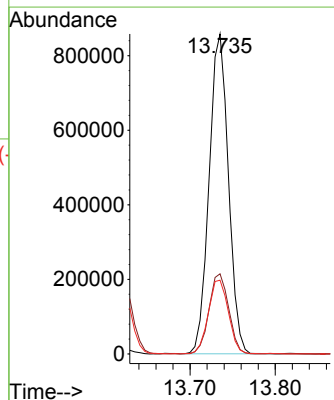
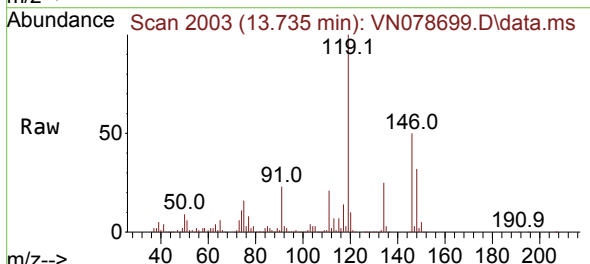
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

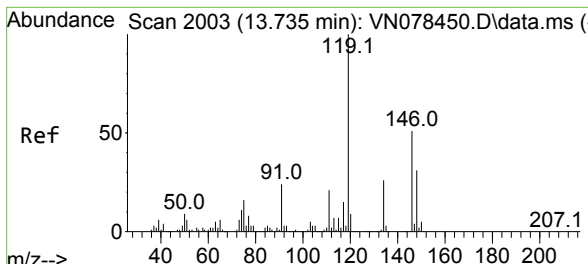
Tgt Ion:105 Resp: 1622343  
 Ion Ratio Lower Upper  
 105 100  
 134 19.6 9.8 29.3



#86  
 p-Isopropyltoluene  
 Concen: 47.658 ug/l  
 RT: 13.735 min Scan# 2003  
 Delta R.T. 0.000 min  
 Lab File: VN078699.D  
 Acq: 31 Jul 2023 12:16

Tgt Ion:119 Resp: 1347844  
 Ion Ratio Lower Upper  
 119 100  
 134 25.6 12.6 37.8  
 91 23.9 12.4 37.2

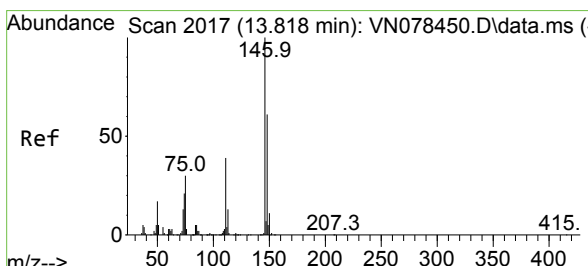
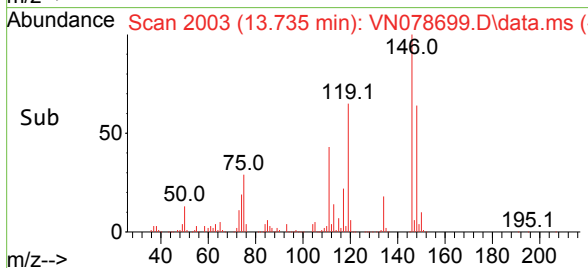
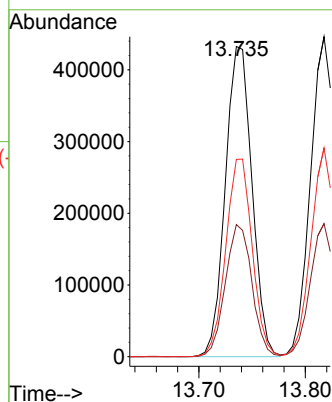
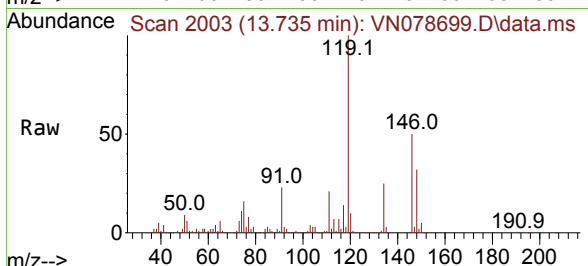




#87  
 1,3-Dichlorobenzene  
 Concen: 47.177 ug/l  
 RT: 13.735 min Scan# 2003  
 Delta R.T. 0.000 min  
 Lab File: VN078699.D  
 Acq: 31 Jul 2023 12:16

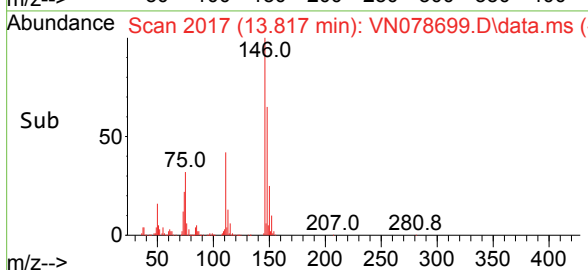
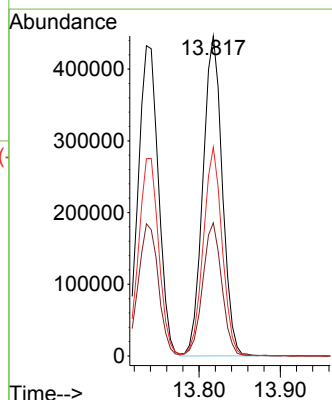
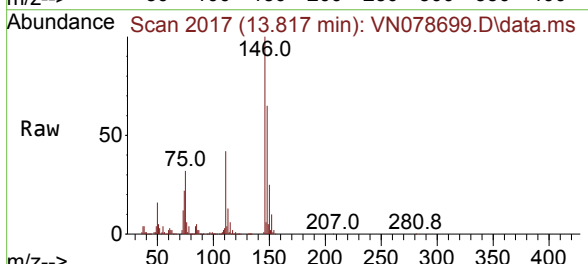
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tgt Ion:146 Resp: 752317  
 Ion Ratio Lower Upper  
 146 100  
 111 42.4 22.1 66.3  
 148 63.3 32.0 96.0

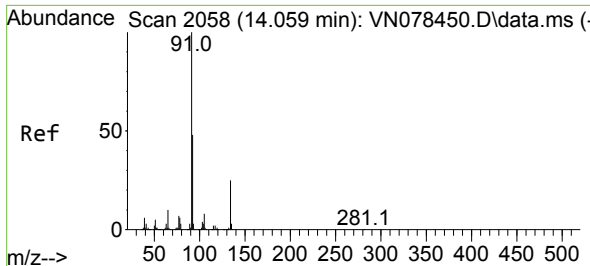


#88  
 1,4-Dichlorobenzene  
 Concen: 45.950 ug/l  
 RT: 13.817 min Scan# 2017  
 Delta R.T. -0.001 min  
 Lab File: VN078699.D  
 Acq: 31 Jul 2023 12:16

Tgt Ion:146 Resp: 738058  
 Ion Ratio Lower Upper  
 146 100  
 111 40.7 20.6 61.8  
 148 63.5 31.6 94.8



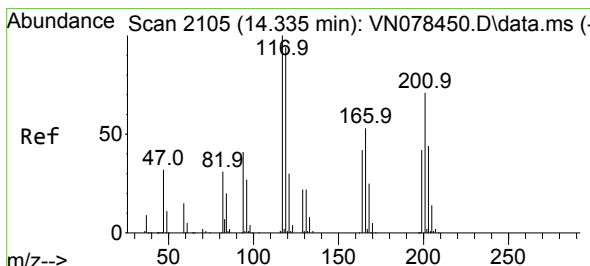
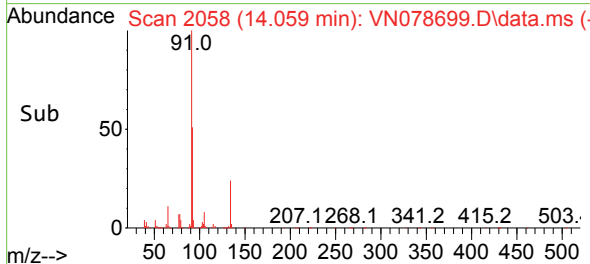
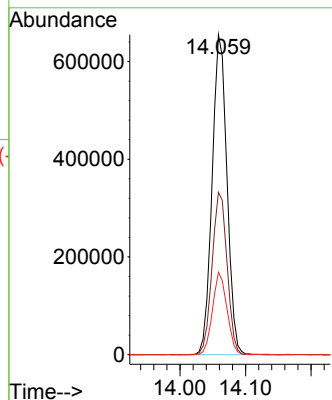
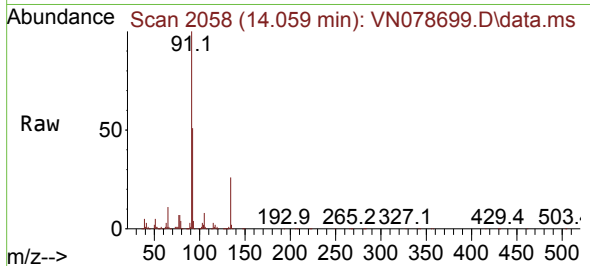




#89  
n-Butylbenzene  
Concen: 50.892 ug/l  
RT: 14.059 min Scan# 2058  
Delta R.T. -0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

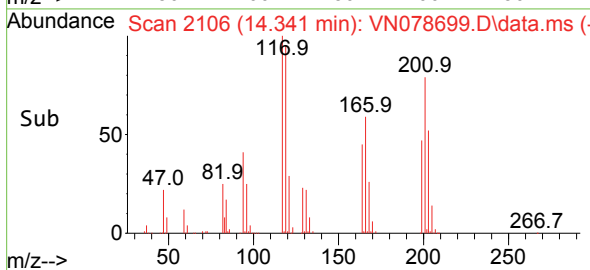
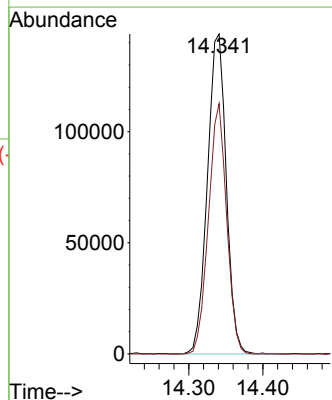
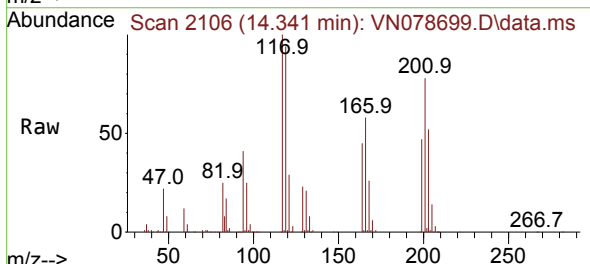
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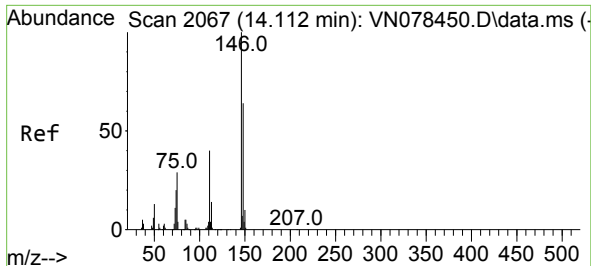
Tgt Ion: 91 Resp: 1029850  
Ion Ratio Lower Upper  
91 100  
92 51.3 26.4 79.0  
134 25.1 12.6 37.6



#90  
Hexachloroethane  
Concen: 48.932 ug/l  
RT: 14.341 min Scan# 2106  
Delta R.T. 0.006 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion: 117 Resp: 254450  
Ion Ratio Lower Upper  
117 100  
201 75.3 29.3 88.0

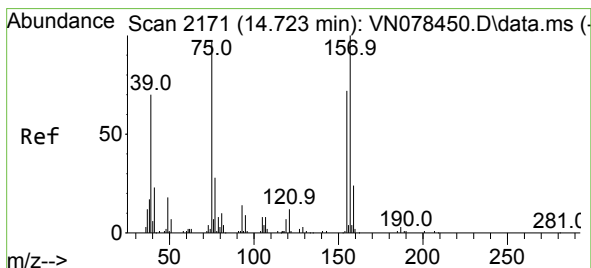
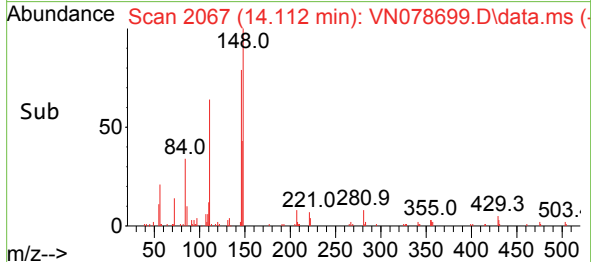
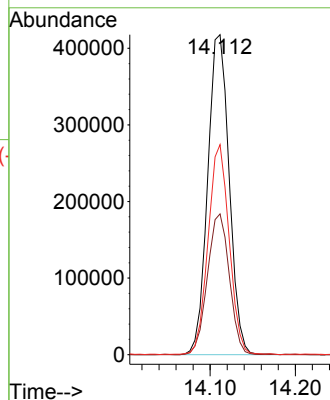
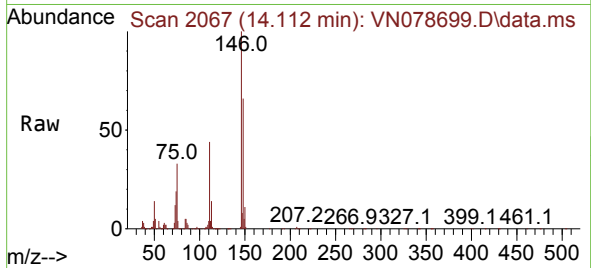




#91  
1,2-Dichlorobenzene  
Concen: 46.054 ug/l  
RT: 14.112 min Scan# 2067  
Delta R.T. -0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

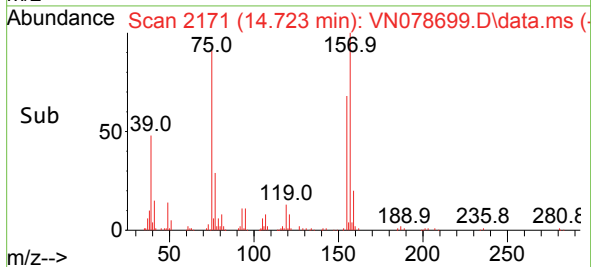
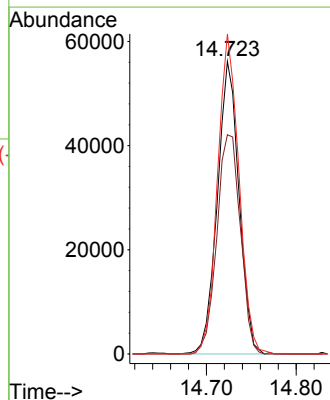
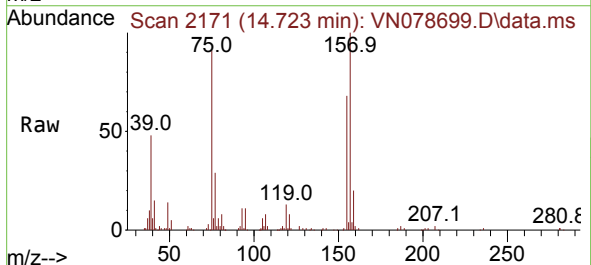
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MSVOA\_N  
ClientSampleId :  
VSTDCCC050

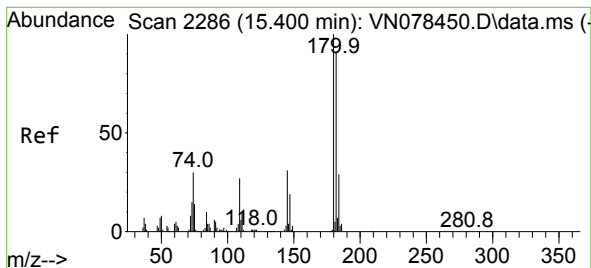
Tgt Ion:146 Resp: 730875  
Ion Ratio Lower Upper  
146 100  
111 44.9 22.0 66.0  
148 64.5 31.8 95.3



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 47.198 ug/l  
RT: 14.723 min Scan# 2171  
Delta R.T. 0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Tgt Ion: 75 Resp: 94073  
Ion Ratio Lower Upper  
75 100  
155 81.4 39.1 117.2  
157 108.1 50.3 150.9





#93

1,2,4-Trichlorobenzene

Concen: 44.734 ug/l

RT: 15.400 min Scan# 2286

Delta R.T. -0.000 min

Lab File: VN078699.D

Acq: 31 Jul 2023 12:16

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

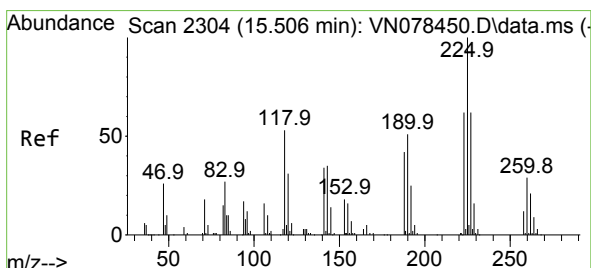
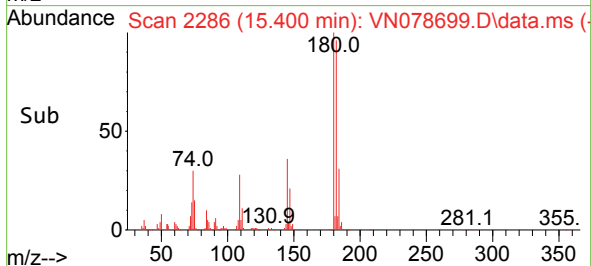
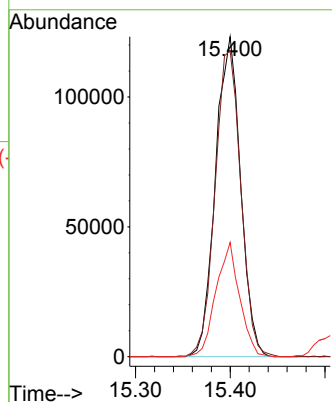
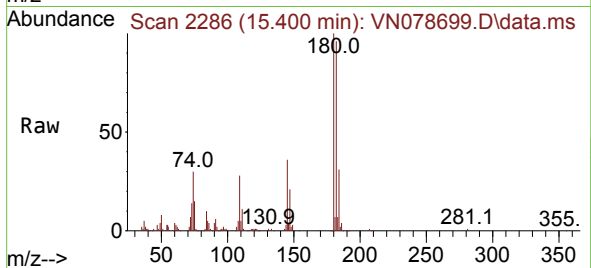
Tgt Ion:180 Resp: 226575

Ion Ratio Lower Upper

180 100

182 98.4 46.1 138.2

145 33.7 16.6 49.8



#94

Hexachlorobutadiene

Concen: 59.850 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. -0.000 min

Lab File: VN078699.D

Acq: 31 Jul 2023 12:16

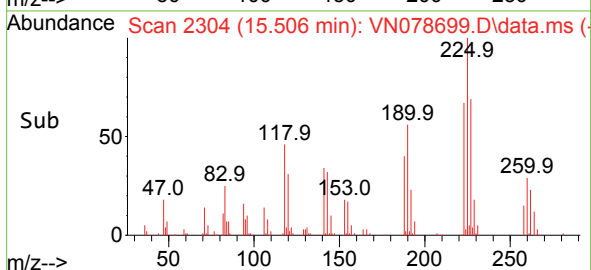
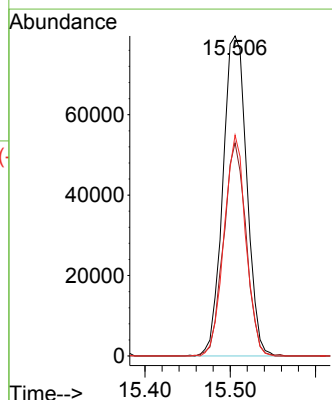
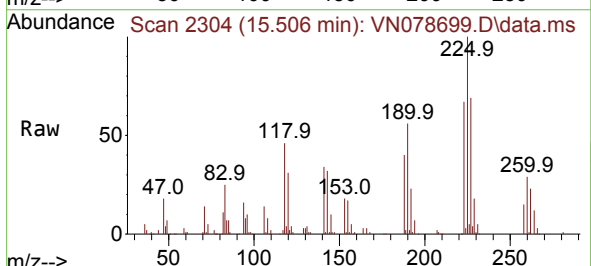
Tgt Ion:225 Resp: 154681

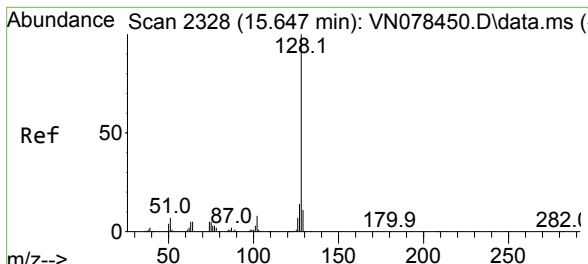
Ion Ratio Lower Upper

225 100

223 62.8 31.3 93.8

227 62.8 31.9 95.9

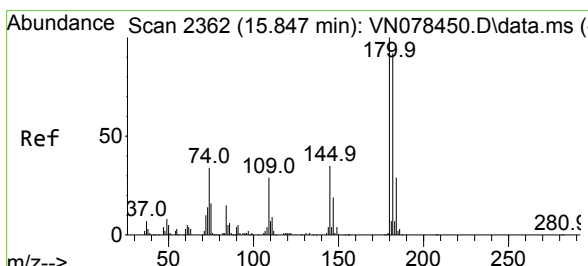
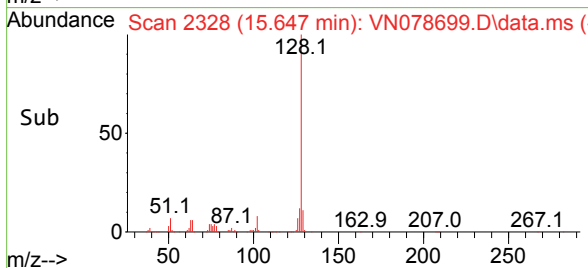
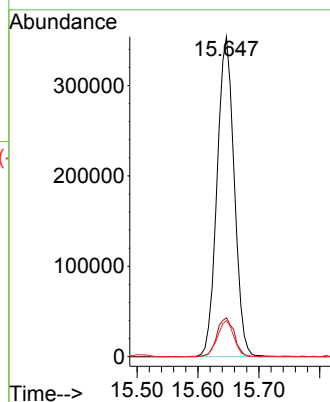
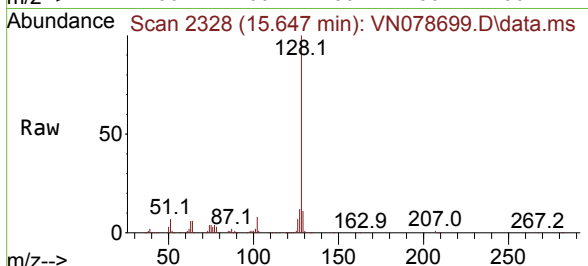




#95  
Naphthalene  
Concen: 39.924 ug/l  
RT: 15.647 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 691289 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.3  | 10.0  | 15.0   |
| 129       | 10.9  | 8.7   | 13.1   |



#96  
1,2,3-Trichlorobenzene  
Concen: 44.424 ug/l  
RT: 15.847 min Scan# 2362  
Delta R.T. -0.000 min  
Lab File: VN078699.D  
Acq: 31 Jul 2023 12:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 258722 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 98.7  | 46.2  | 138.6  |
| 145       | 34.6  | 17.5  | 52.6   |

