

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN031824\  
 Data File : VN081454.D  
 Acq On : 18 Mar 2024 16:51  
 Operator : JC\MD  
 Sample : VSTDICC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC020

Quant Time: Mar 19 05:43:52 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031824W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 19 05:35:05 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 445921   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 749761   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 672392   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 312506   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 110007   | 19.345   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 38.680%# |
| 35) Dibromofluoromethane    | 8.165  | 113   | 92274    | 19.501   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 39.000%# |
| 50) Toluene-d8              | 10.571 | 98    | 337098   | 19.708   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 39.420%# |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 119531   | 19.832   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | =    | 39.660%# |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         | Qvalue  |        |     |
| 2) Dichlorodifluoromethane   | 2.124 | 85  | 116444  | 19.393  | ug/l   | 97  |
| 3) Chloromethane             | 2.359 | 50  | 116976  | 19.567  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.512 | 62  | 131224  | 19.559  | ug/l   | 93  |
| 5) Bromomethane              | 2.948 | 94  | 93056   | 19.612  | ug/l   | 89  |
| 6) Chloroethane              | 3.112 | 64  | 84679   | 18.383  | ug/l   | 100 |
| 7) Trichlorofluoromethane    | 3.501 | 101 | 197327  | 19.735  | ug/l   | 91  |
| 8) Diethyl Ether             | 3.959 | 74  | 63938   | 19.322  | ug/l   | 81  |
| 9) 1,1,2-Trichlorotrifluo... | 4.371 | 101 | 108798  | 19.150  | ug/l # | 88  |
| 10) Methyl Iodide            | 4.589 | 142 | 108490  | 19.175  | ug/l   | 94  |
| 11) Tert butyl alcohol       | 5.518 | 59  | 99499   | 100.402 | ug/l   | 99  |
| 12) 1,1-Dichloroethene       | 4.342 | 96  | 100991  | 19.190  | ug/l   | 85  |
| 13) Acrolein                 | 4.177 | 56  | 87080   | 97.925  | ug/l   | 95  |
| 14) Allyl chloride           | 5.018 | 41  | 128918  | 19.550  | ug/l # | 84  |
| 15) Acrylonitrile            | 5.724 | 53  | 263143  | 99.255  | ug/l   | 98  |
| 16) Acetone                  | 4.424 | 43  | 169021  | 91.969  | ug/l   | 99  |
| 17) Carbon Disulfide         | 4.712 | 76  | 286208  | 18.952  | ug/l   | 98  |
| 18) Methyl Acetate           | 5.024 | 43  | 98998   | 17.473  | ug/l # | 82  |
| 19) Methyl tert-butyl Ether  | 5.789 | 73  | 331242  | 20.112  | ug/l   | 96  |
| 20) Methylene Chloride       | 5.277 | 84  | 114603  | 19.037  | ug/l # | 81  |
| 21) trans-1,2-Dichloroethene | 5.789 | 96  | 110397  | 18.814  | ug/l   | 88  |
| 22) Diisopropyl ether        | 6.671 | 45  | 311694  | 20.343  | ug/l # | 91  |
| 23) Vinyl Acetate            | 6.600 | 43  | 1251845 | 102.643 | ug/l # | 90  |
| 24) 1,1-Dichloroethane       | 6.565 | 63  | 196042  | 19.103  | ug/l   | 96  |
| 25) 2-Butanone               | 7.483 | 43  | 305270  | 96.843  | ug/l # | 89  |
| 26) 2,2-Dichloropropane      | 7.489 | 77  | 176049  | 19.779  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 7.489 | 96  | 130410  | 19.643  | ug/l   | 85  |
| 28) Bromochloromethane       | 7.812 | 49  | 76641   | 18.335  | ug/l # | 54  |
| 29) Tetrahydrofuran          | 7.841 | 42  | 208127  | 98.010  | ug/l # | 78  |
| 30) Chloroform               | 7.965 | 83  | 212411  | 19.334  | ug/l   | 98  |
| 31) Cyclohexane              | 8.259 | 56  | 179968  | 19.448  | ug/l # | 76  |
| 32) 1,1,1-Trichloroethane    | 8.165 | 97  | 192231  | 19.286  | ug/l # | 92  |
| 36) 1,1-Dichloropropene      | 8.371 | 75  | 156412  | 19.642  | ug/l   | 97  |
| 37) Ethyl Acetate            | 7.559 | 43  | 140559  | 20.614  | ug/l   | 96  |
| 38) Carbon Tetrachloride     | 8.365 | 117 | 171593  | 19.671  | ug/l   | 93  |
| 39) Methylcyclohexane        | 9.600 | 83  | 179236  | 20.156  | ug/l # | 88  |
| 40) Benzene                  | 8.606 | 78  | 465362  | 19.989  | ug/l   | 96  |

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 Sample : VSTDICC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC020

Quant Time: Mar 19 05:43:52 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031824W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 19 05:35:05 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.783  | 41   | 74888    | 20.768  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 161709   | 19.738  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 226582   | 20.047  | ug/l # | 94       |
| 44) Trichloroethene           | 9.353  | 130  | 126400   | 19.305  | ug/l   | 90       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 112490   | 19.938  | ug/l   | 98       |
| 46) Dibromomethane            | 9.712  | 93   | 83238    | 19.427  | ug/l # | 86       |
| 47) Bromodichloromethane      | 9.888  | 83   | 163675   | 19.538  | ug/l # | 99       |
| 48) Methyl methacrylate       | 9.682  | 41   | 106428   | 20.415  | ug/l # | 86       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 51598    | 411.852 | ug/l # | 81       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 687749   | 99.719  | ug/l   | 91       |
| 52) Toluene                   | 10.629 | 92   | 297917   | 20.134  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 176185   | 19.477  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 193267   | 19.927  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 119668   | 20.096  | ug/l   | 90       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 164911   | 20.151  | ug/l # | 83       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 196442   | 20.123  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 402584   | 107.443 | ug/l # | 85       |
| 59) 2-Hexanone                | 11.194 | 43   | 520478   | 102.072 | ug/l   | 92       |
| 60) Dibromochloromethane      | 11.359 | 129  | 127406   | 19.454  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 122249   | 20.136  | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.106 | 164  | 125723   | 19.561  | ug/l   | 90       |
| 65) Chlorobenzene             | 11.894 | 112  | 318986   | 20.068  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 121504   | 20.624  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.965 | 91   | 561272   | 20.328  | ug/l   | 97       |
| 68) m/p-Xylenes               | 12.071 | 106  | 425790   | 41.135  | ug/l   | 97       |
| 69) o-Xylene                  | 12.400 | 106  | 210931   | 20.757  | ug/l   | 92       |
| 70) Styrene                   | 12.412 | 104  | 340738   | 20.790  | ug/l   | 96       |
| 71) Bromoform                 | 12.576 | 173  | 88012    | 19.881  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.700 | 105  | 538474   | 20.214  | ug/l   | 97       |
| 74) N-amyl acetate            | 12.494 | 43   | 191128   | 19.826  | ug/l # | 86       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 155383   | 19.839  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 13.000 | 75   | 211282   | 28.329  | ug/l   | 62       |
| 77) Bromobenzene              | 12.982 | 156  | 128666   | 19.553  | ug/l   | 72       |
| 78) n-propylbenzene           | 13.035 | 91   | 636966   | 20.248  | ug/l   | 95       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 374601   | 19.896  | ug/l   | 92       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 459690   | 20.893  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 55081    | 19.912  | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 375774   | 20.243  | ug/l   | 91       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 383160   | 20.195  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 467932   | 21.160  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.618 | 105  | 551478   | 20.333  | ug/l   | 94       |
| 86) p-Isopropyltoluene        | 13.735 | 119  | 467926   | 21.105  | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 244441   | 20.218  | ug/l   | 94       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 246094   | 19.658  | ug/l   | 96       |
| 89) n-Butylbenzene            | 14.059 | 91   | 396392   | 20.162  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.341 | 117  | 81960    | 19.519  | ug/l   | 84       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 232568   | 19.986  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 33316    | 19.988  | ug/l   | 76       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 131699   | 19.573  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 57541    | 19.491  | ug/l   | 92       |
| 95) Naphthalene               | 15.647 | 128  | 437946   | 20.087  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.847 | 180  | 131412   | 19.417  | ug/l   | 98       |

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Acq On : 18 Mar 2024 16:51  
Operator : JC\MD  
Sample : VSTDICC020  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

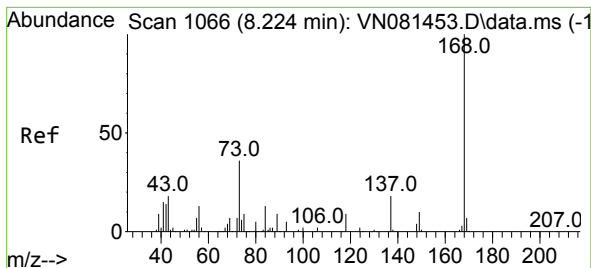
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

Quant Time: Mar 19 05:43:52 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031824W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 19 05:35:05 2024  
Response via : Initial Calibration

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

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN081454.D

Acq: 18 Mar 2024 16:51

Instrument :

MSVOA\_N

ClientSampleId :

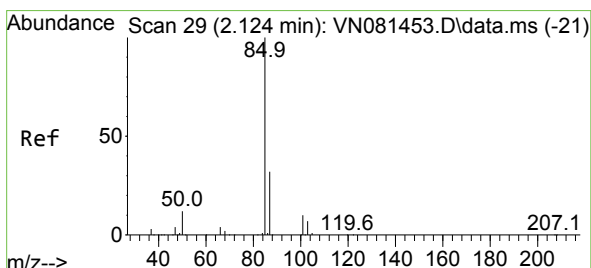
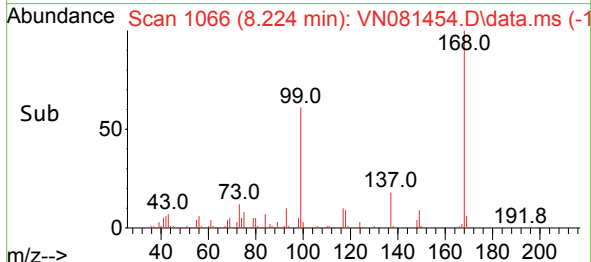
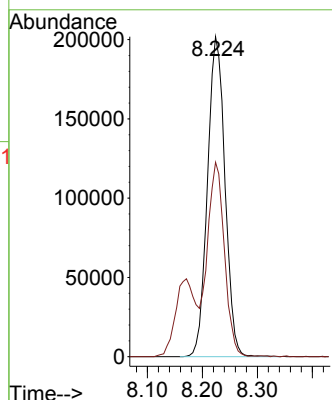
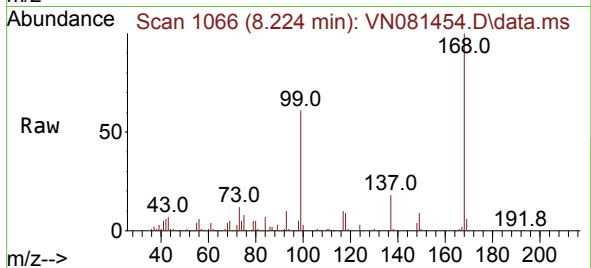
VSTDIC020

Tgt Ion:168 Resp: 445921

Ion Ratio Lower Upper

168 100

99 60.8 59.9 89.9



#2

Dichlorodifluoromethane

Concen: 19.393 ug/l

RT: 2.124 min Scan# 29

Delta R.T. 0.000 min

Lab File: VN081454.D

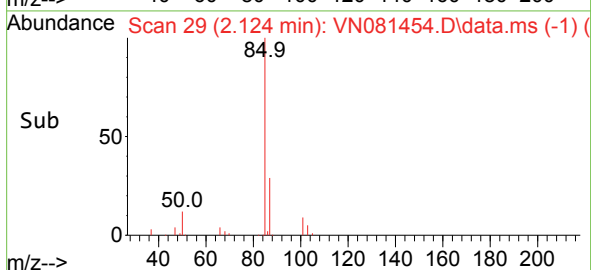
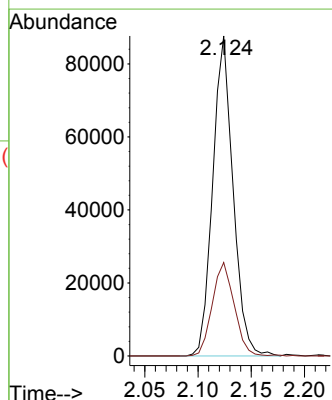
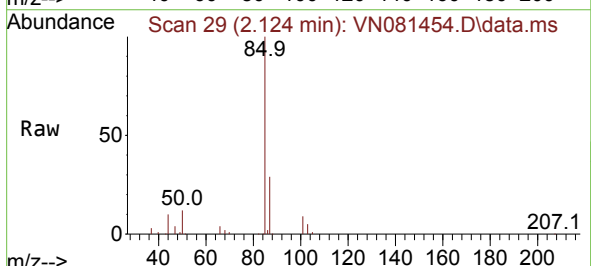
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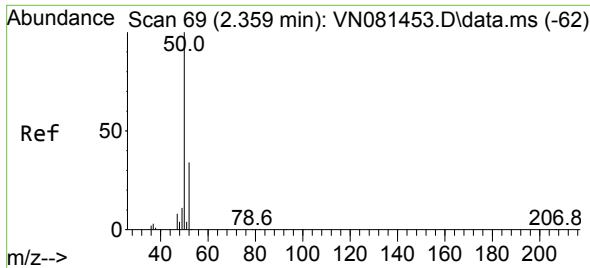
Tgt Ion: 85 Resp: 116444

Ion Ratio Lower Upper

85 100

87 29.2 15.3 45.9

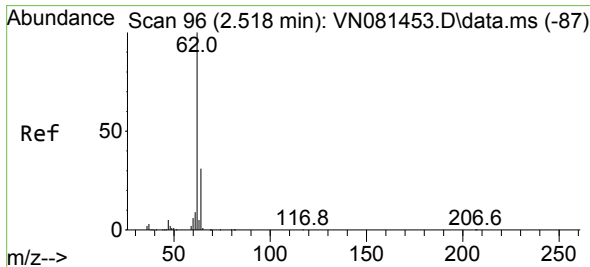
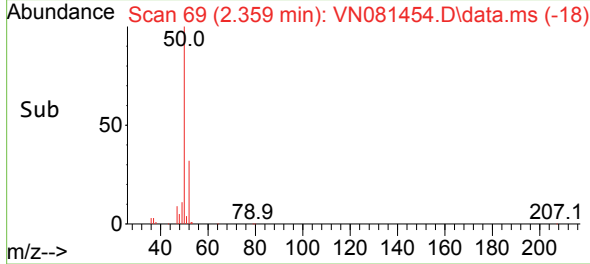
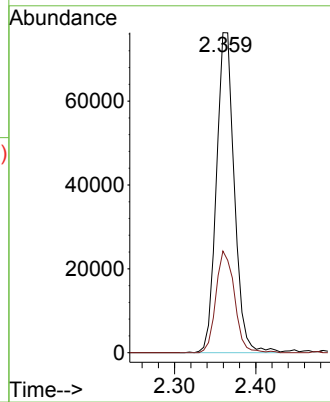
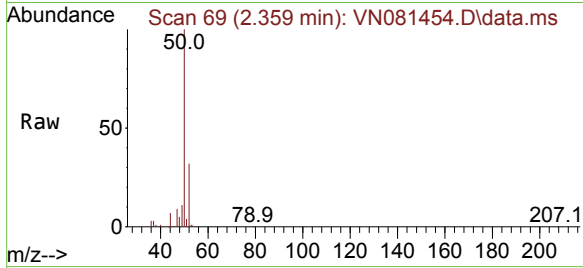




#3  
Chloromethane  
Concen: 19.567 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

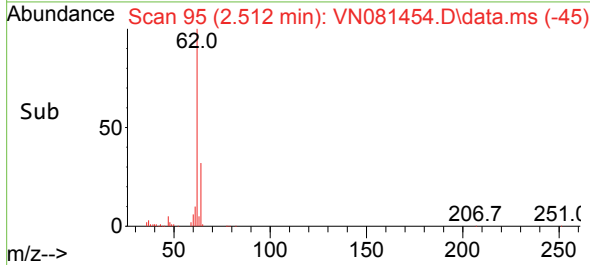
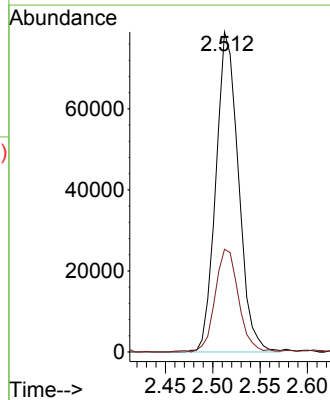
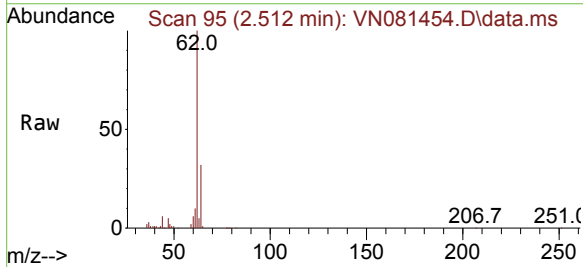
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

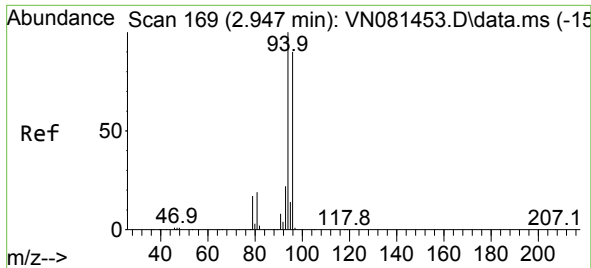
Tgt Ion: 50 Resp: 116976  
Ion Ratio Lower Upper  
50 100  
52 31.8 25.0 37.4



#4  
Vinyl Chloride  
Concen: 19.559 ug/l  
RT: 2.512 min Scan# 95  
Delta R.T. -0.006 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion: 62 Resp: 131224  
Ion Ratio Lower Upper  
62 100  
64 31.9 22.7 34.1

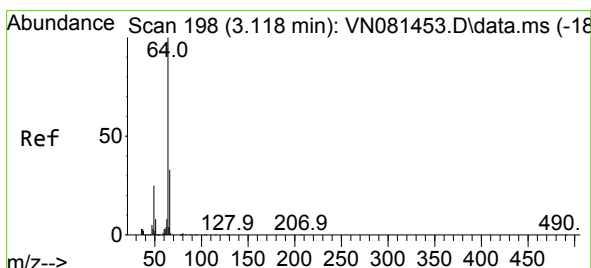
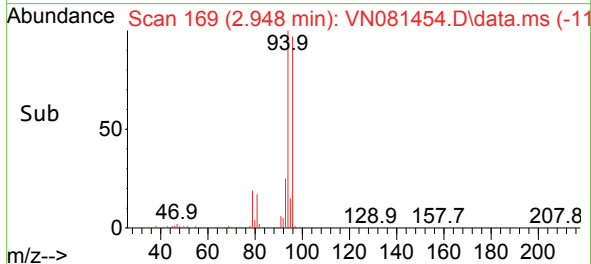
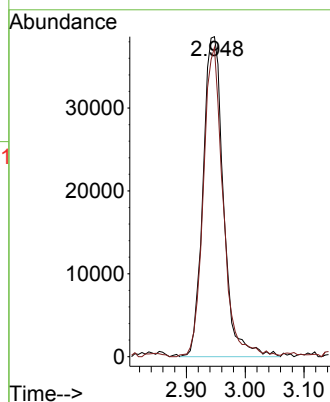
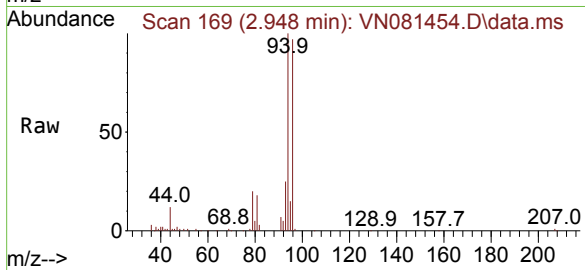




#5  
Bromomethane  
Concen: 19.612 ug/l  
RT: 2.948 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

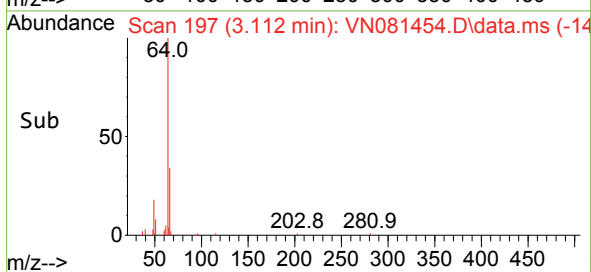
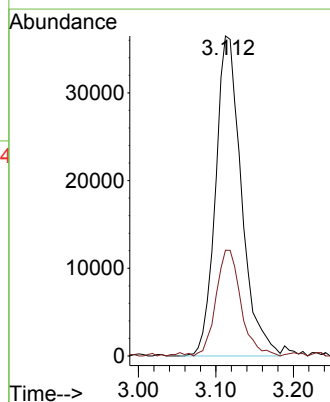
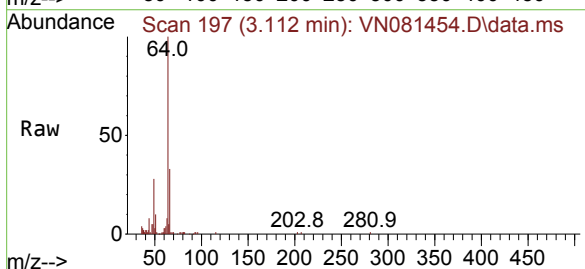
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

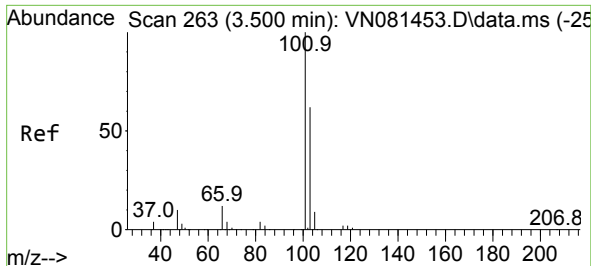
Tgt Ion: 94 Resp: 93056  
Ion Ratio Lower Upper  
94 100  
96 96.3 69.2 103.8



#6  
Chloroethane  
Concen: 18.383 ug/l  
RT: 3.112 min Scan# 197  
Delta R.T. -0.006 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion: 64 Resp: 84679  
Ion Ratio Lower Upper  
64 100  
66 33.0 26.4 39.6

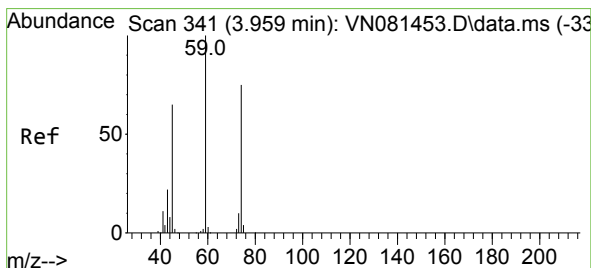
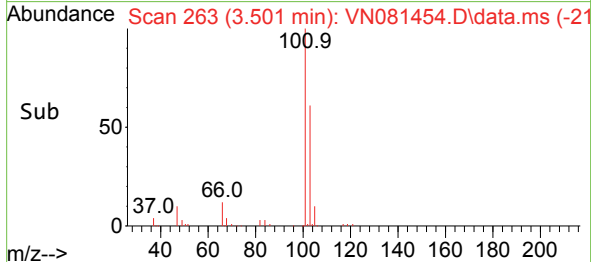
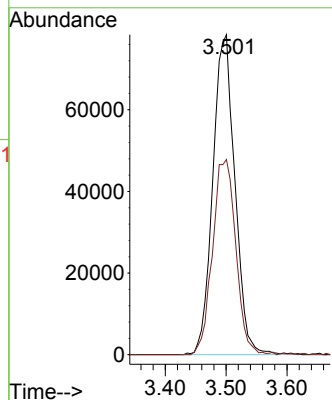
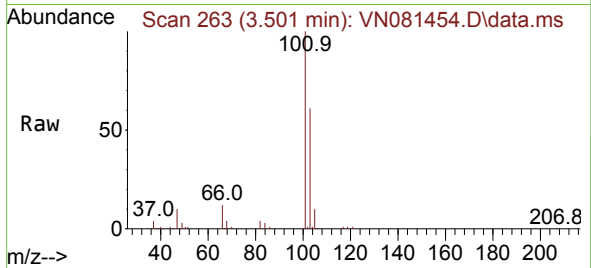




#7  
 Trichlorofluoromethane  
 Concen: 19.735 ug/l  
 RT: 3.501 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN081454.D  
 Acq: 18 Mar 2024 16:51

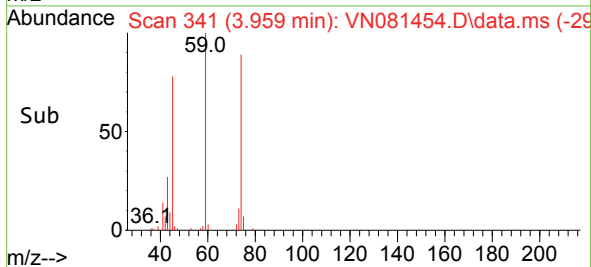
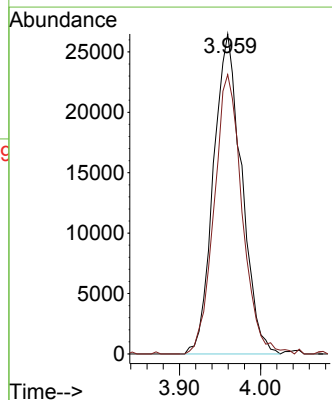
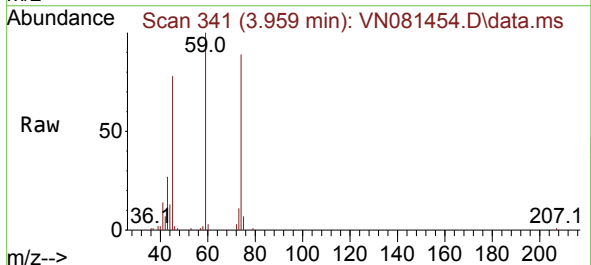
Instrument :  
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 ClientSampleId :  
 VSTDIC020

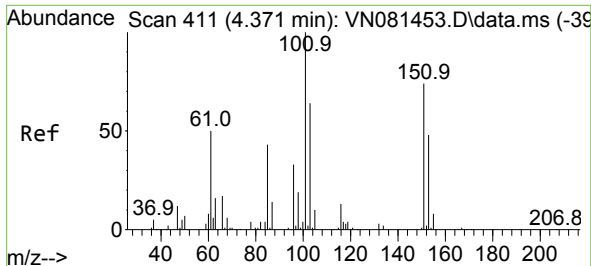
Tgt Ion:101 Resp: 197327  
 Ion Ratio Lower Upper  
 101 100  
 103 61.0 54.4 81.6



#8  
 Diethyl Ether  
 Concen: 19.322 ug/l  
 RT: 3.959 min Scan# 341  
 Delta R.T. 0.000 min  
 Lab File: VN081454.D  
 Acq: 18 Mar 2024 16:51

Tgt Ion: 74 Resp: 63938  
 Ion Ratio Lower Upper  
 74 100  
 45 86.7 53.3 159.9

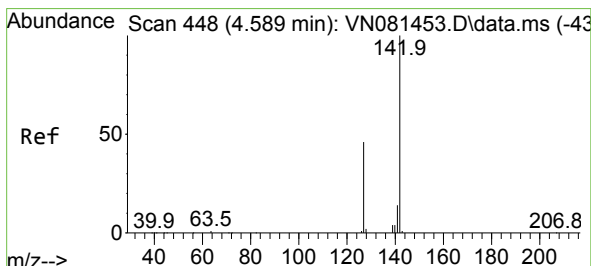
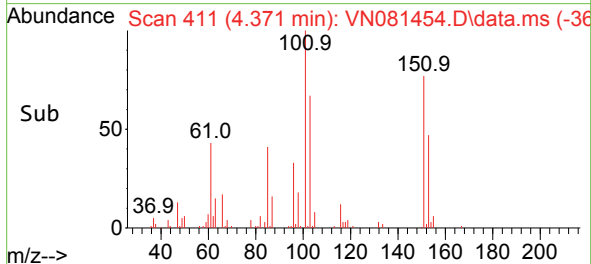
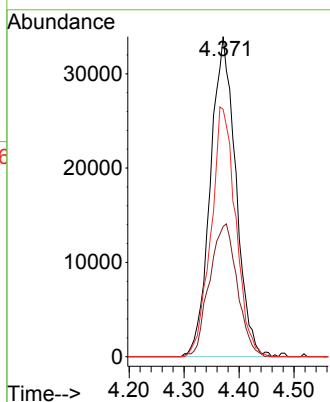
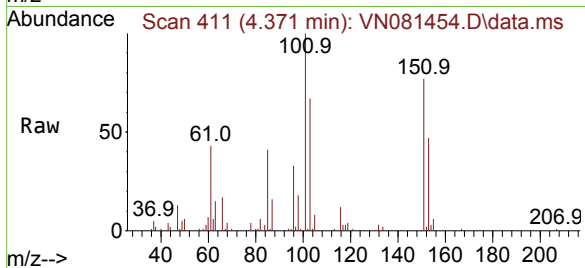




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 19.150 ug/l  
RT: 4.371 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

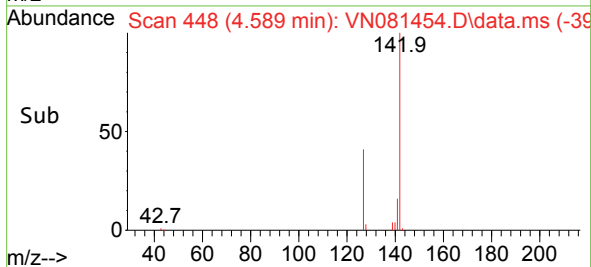
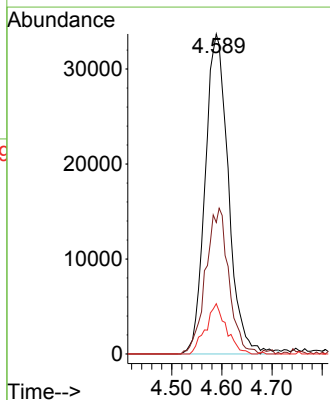
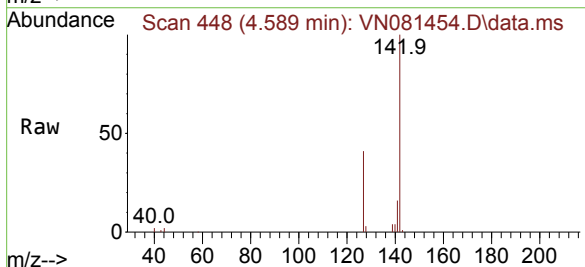
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

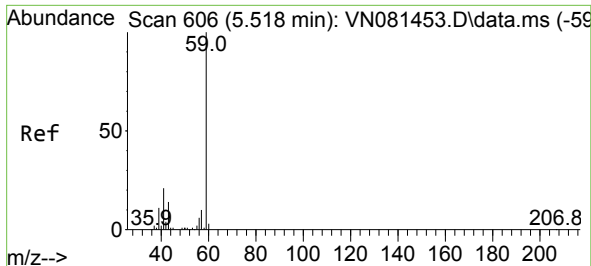
Tgt Ion:101 Resp: 108798  
Ion Ratio Lower Upper  
101 100  
85 45.5 38.1 57.1  
151 75.9 49.1 73.7#



#10  
Methyl Iodide  
Concen: 19.175 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion:142 Resp: 108490  
Ion Ratio Lower Upper  
142 100  
127 41.1 37.0 55.4  
141 15.7 12.5 18.7

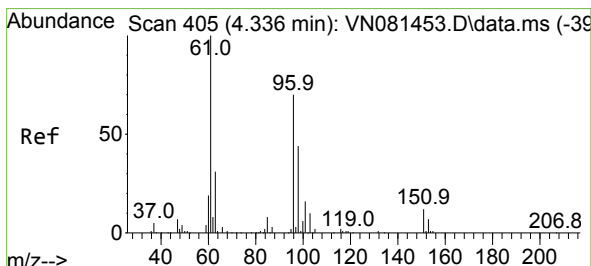
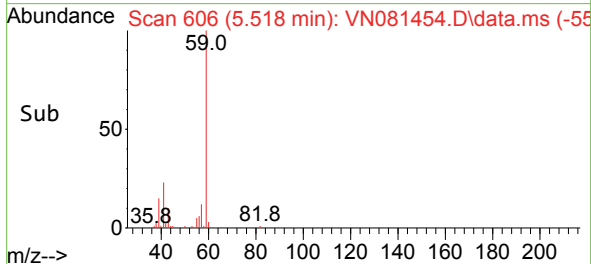
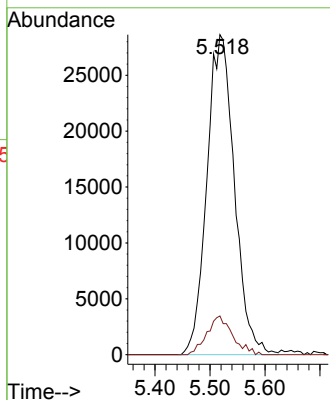
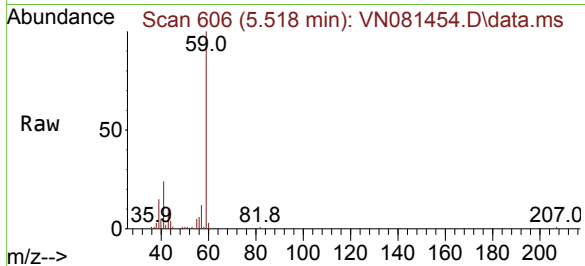




#11  
Tert butyl alcohol  
Concen: 100.402 ug/l  
RT: 5.518 min Scan# 606  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

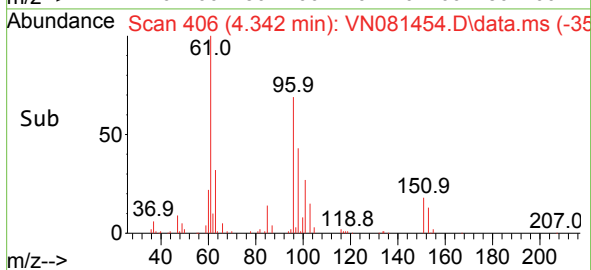
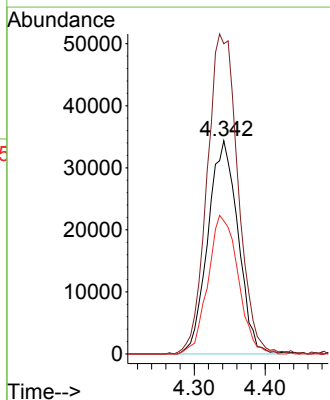
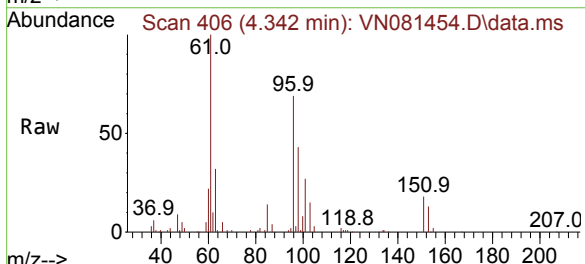
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

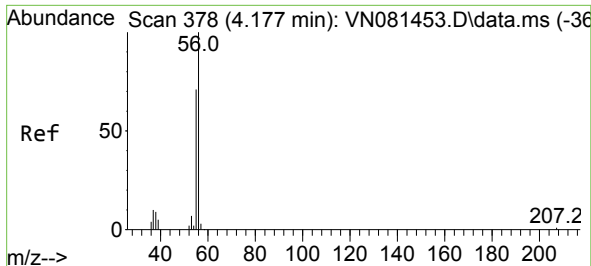
Tgt Ion: 59 Resp: 99499  
Ion Ratio Lower Upper  
59 100  
57 11.3 8.6 12.8



#12  
1,1-Dichloroethene  
Concen: 19.190 ug/l  
RT: 4.342 min Scan# 406  
Delta R.T. 0.006 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion: 96 Resp: 100991  
Ion Ratio Lower Upper  
96 100  
61 144.5 138.2 207.4  
98 62.4 49.2 73.8

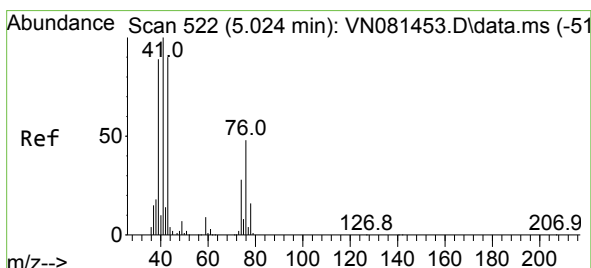
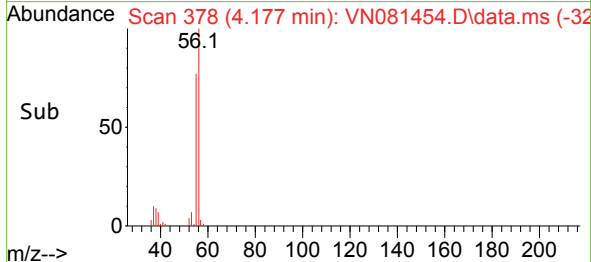
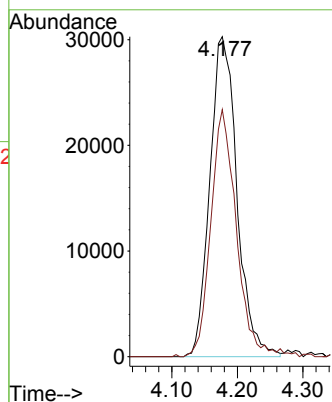
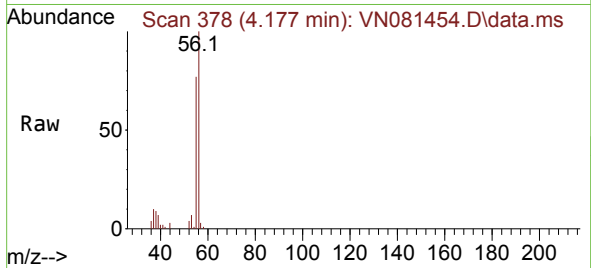




#13  
Acrolein  
Concen: 97.925 ug/l  
RT: 4.177 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

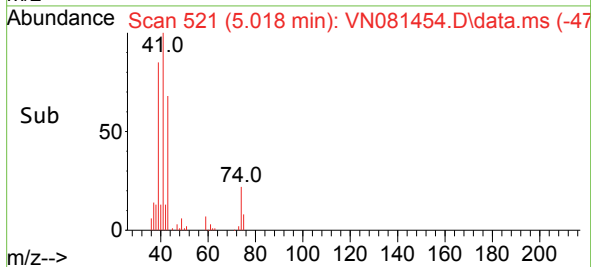
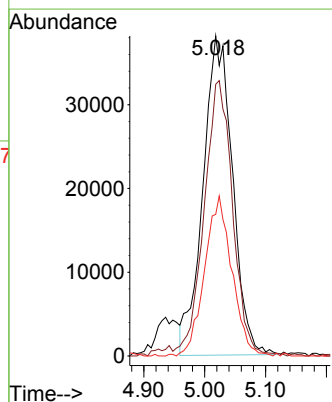
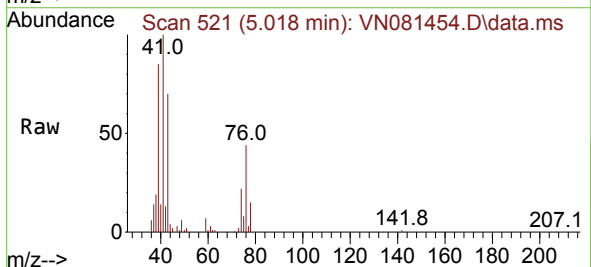
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

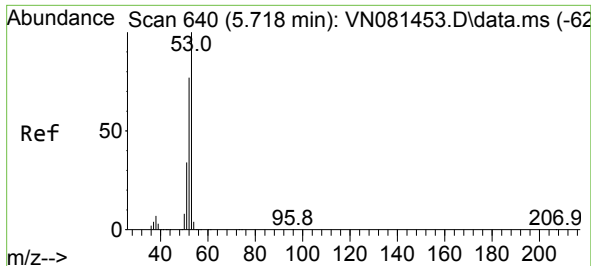
Tgt Ion: 56 Resp: 87080  
Ion Ratio Lower Upper  
56 100  
55 72.8 55.3 82.9



#14  
Allyl chloride  
Concen: 19.550 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. -0.006 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion: 41 Resp: 128918  
Ion Ratio Lower Upper  
41 100  
39 83.2 57.7 86.5  
76 46.1 26.8 40.2#

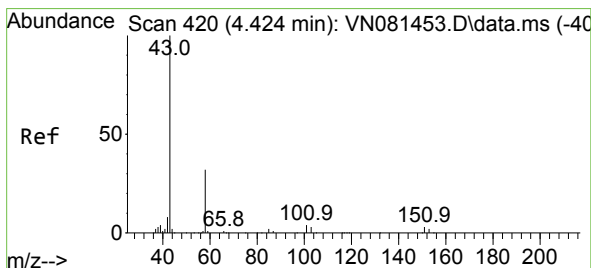
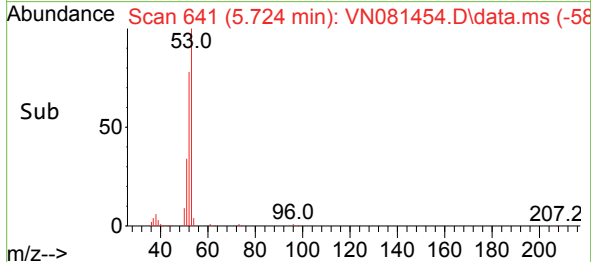
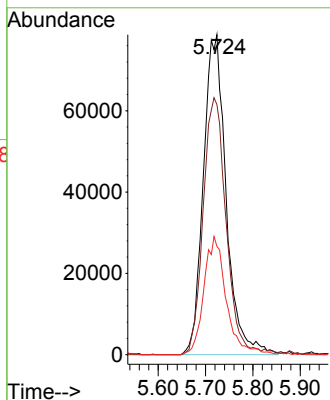
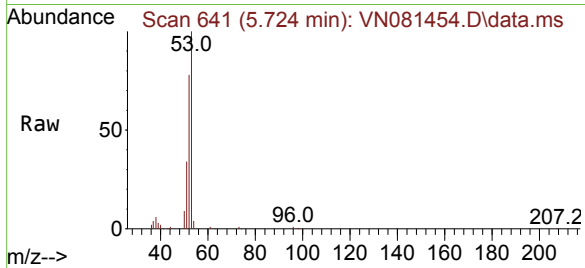




#15  
Acrylonitrile  
Concen: 99.255 ug/l  
RT: 5.724 min Scan# 641  
Delta R.T. 0.006 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

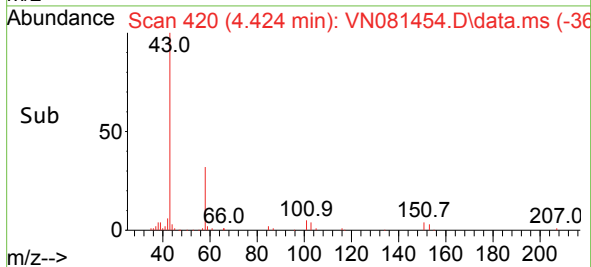
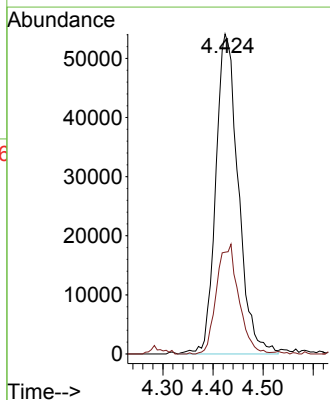
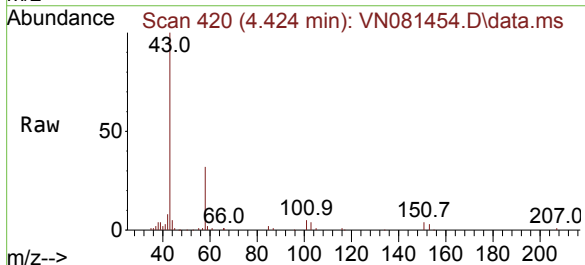
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MSVOA\_N  
ClientSampleId :  
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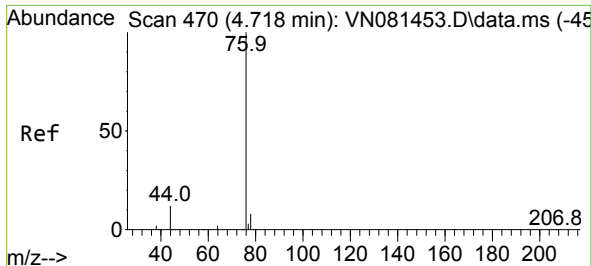
Tgt Ion: 53 Resp: 263143  
Ion Ratio Lower Upper  
53 100  
52 80.4 64.8 97.2  
51 36.2 26.9 40.3



#16  
Acetone  
Concen: 91.969 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion: 43 Resp: 169021  
Ion Ratio Lower Upper  
43 100  
58 31.8 24.8 37.2

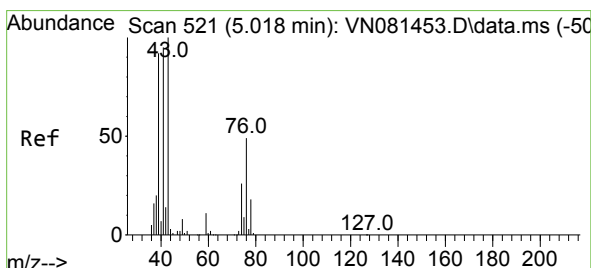
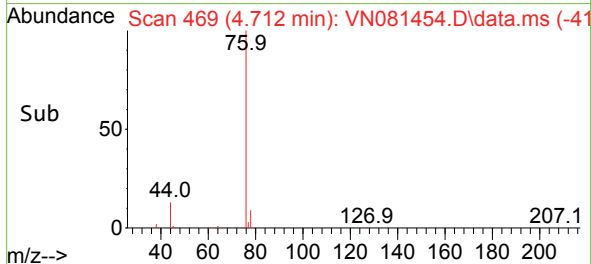
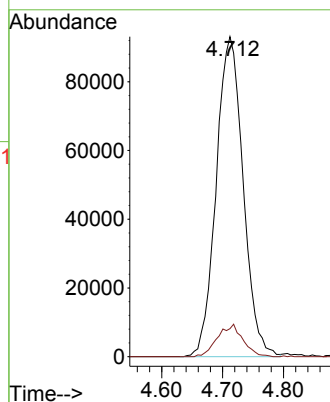
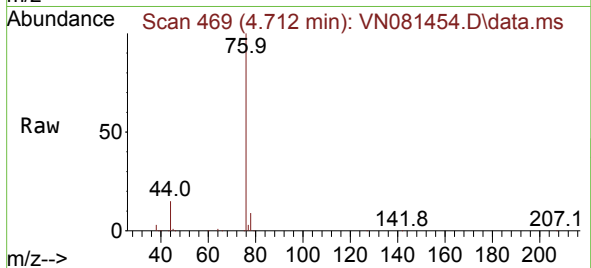




#17  
Carbon Disulfide  
Concen: 18.952 ug/l  
RT: 4.712 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

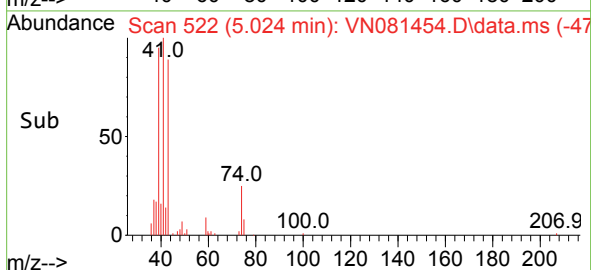
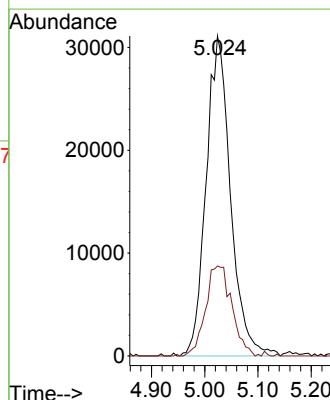
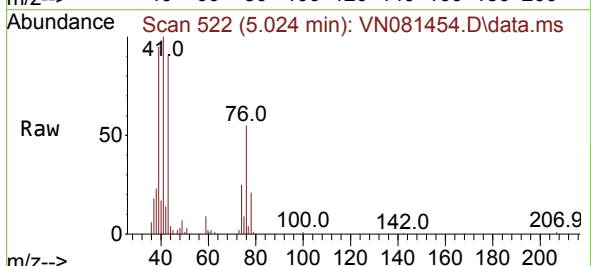
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

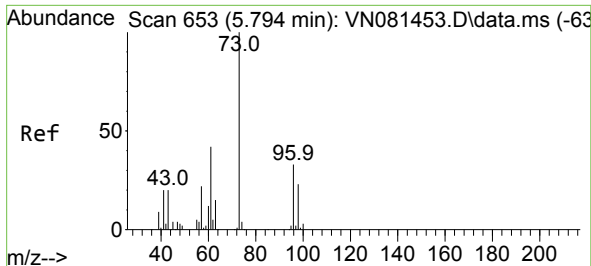
Tgt Ion: 76 Resp: 286208  
Ion Ratio Lower Upper  
76 100  
78 8.7 6.3 9.5



#18  
Methyl Acetate  
Concen: 17.473 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.006 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion: 43 Resp: 98998  
Ion Ratio Lower Upper  
43 100  
74 30.2 17.3 25.9#

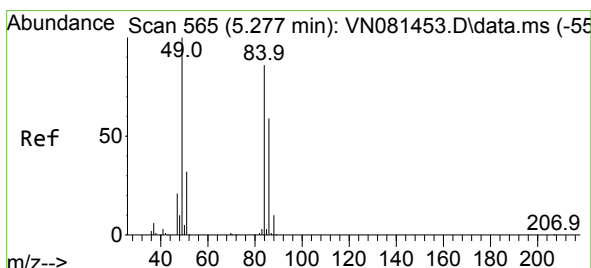
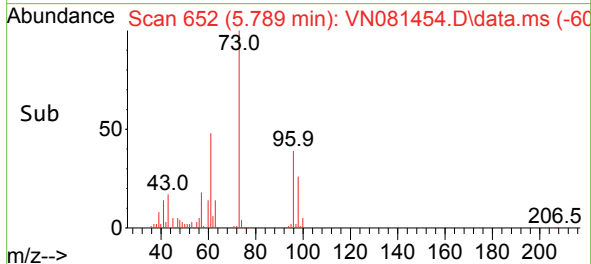
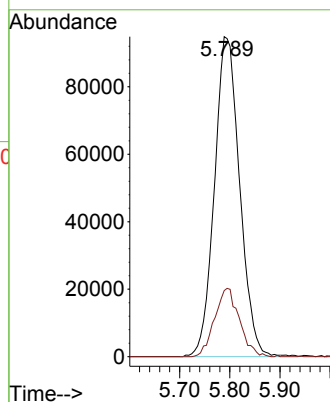
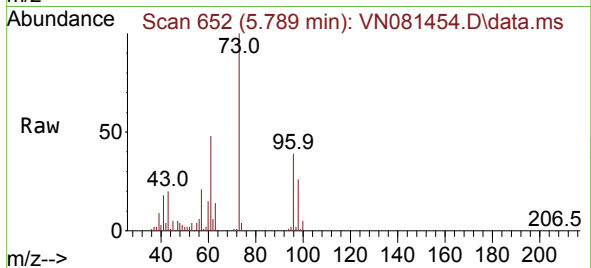




#19  
Methyl tert-butyl Ether  
Concen: 20.112 ug/l  
RT: 5.789 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

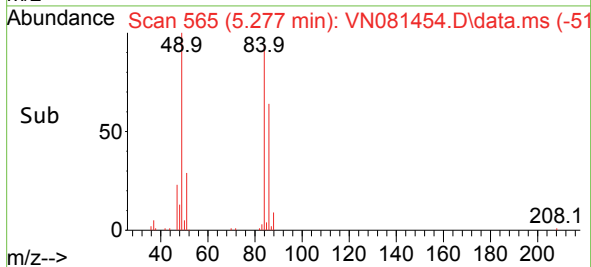
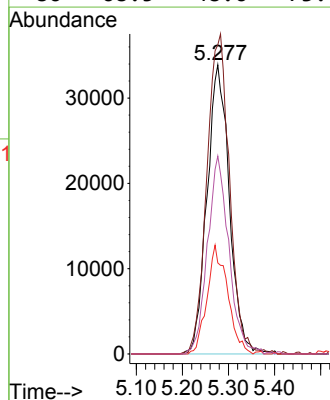
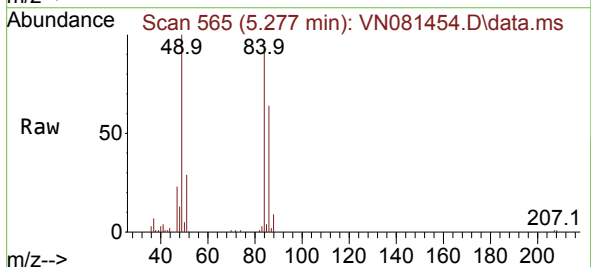
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ClientSampleId :  
VSTDIC020

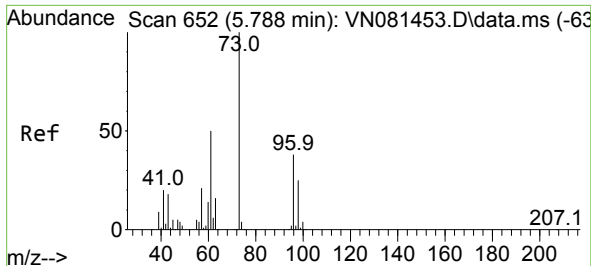
Tgt Ion: 73 Resp: 331242  
Ion Ratio Lower Upper  
73 100  
57 20.7 18.2 27.4



#20  
Methylene Chloride  
Concen: 19.037 ug/l  
RT: 5.277 min Scan# 565  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion: 84 Resp: 114603  
Ion Ratio Lower Upper  
84 100  
49 106.9 108.1 162.1#  
51 31.5 32.9 49.3#  
86 68.5 48.6 73.0

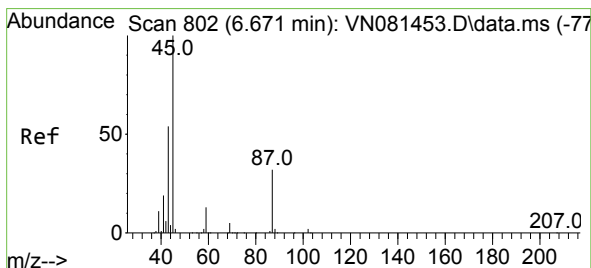
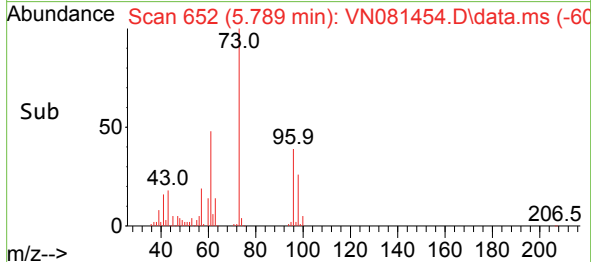
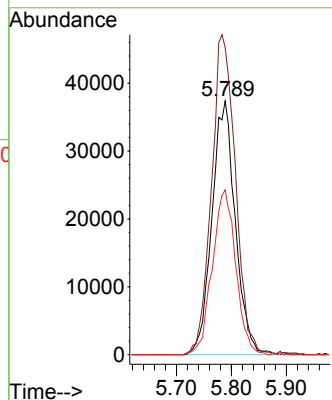
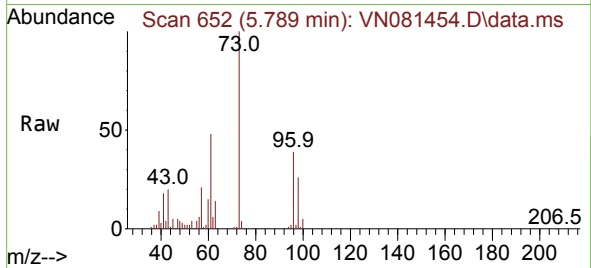




#21  
trans-1,2-Dichloroethene  
Concen: 18.814 ug/l  
RT: 5.789 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

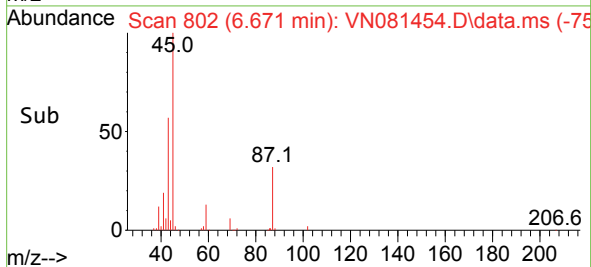
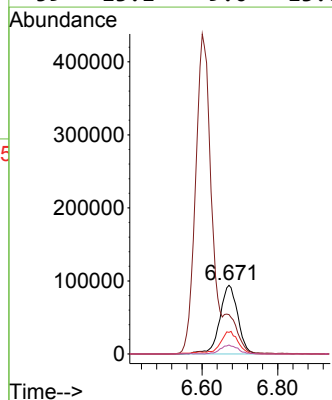
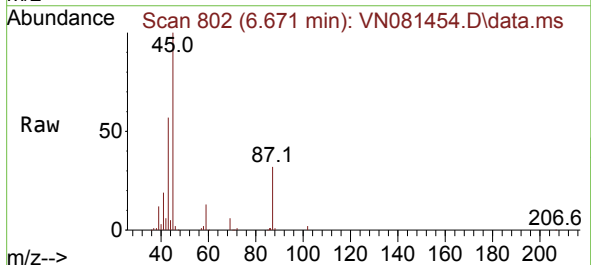
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ClientSampleId :  
VSTDIC020

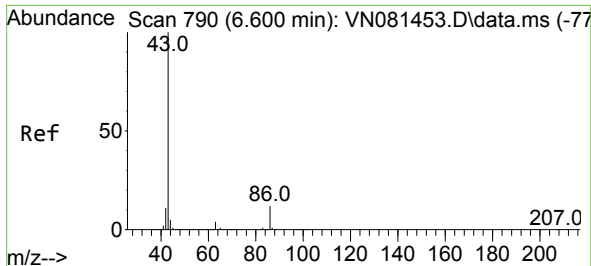
Tgt Ion: 96 Resp: 110397  
Ion Ratio Lower Upper  
96 100  
61 121.2 112.8 169.2  
98 65.0 51.0 76.4



#22  
Diisopropyl ether  
Concen: 20.343 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion: 45 Resp: 311694  
Ion Ratio Lower Upper  
45 100  
43 56.5 41.8 62.8  
87 31.5 18.1 27.1#  
59 13.1 9.0 13.6

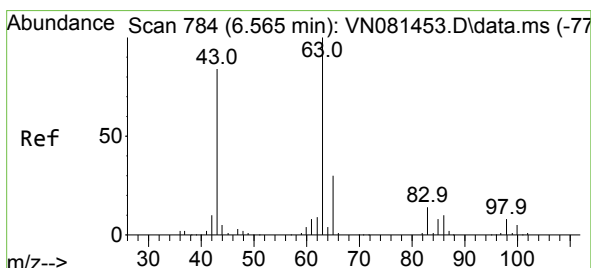
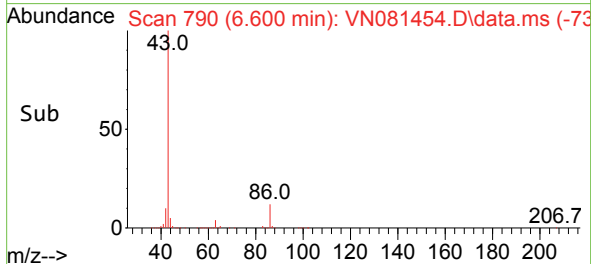
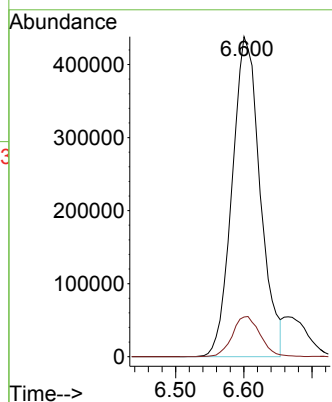
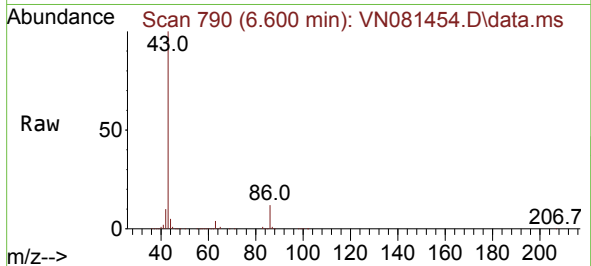




#23  
 Vinyl Acetate  
 Concen: 102.643 ug/l  
 RT: 6.600 min Scan# 790  
 Delta R.T. 0.000 min  
 Lab File: VN081454.D  
 Acq: 18 Mar 2024 16:51

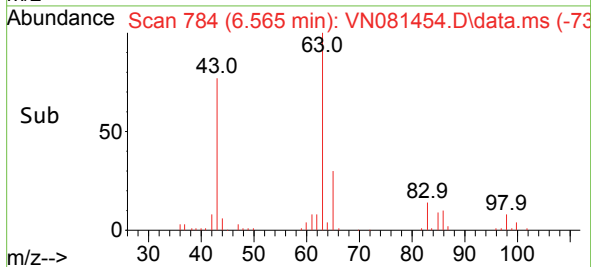
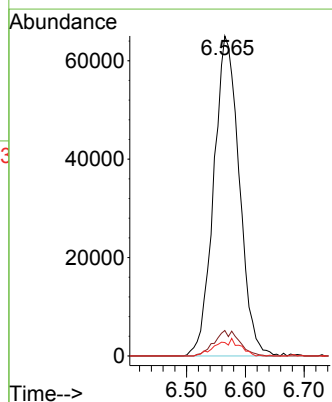
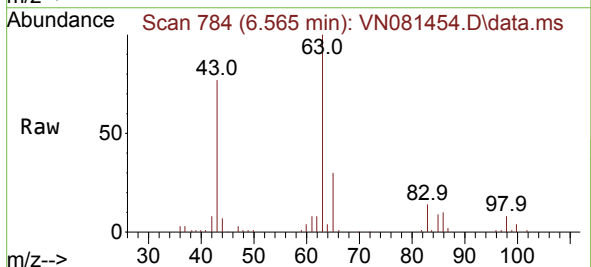
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

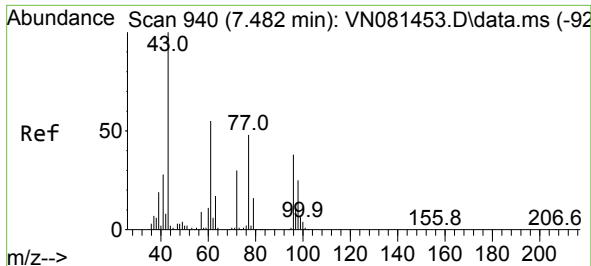
Tgt Ion: 43 Resp: 1251845  
 Ion Ratio Lower Upper  
 43 100  
 86 12.4 7.1 10.7#



#24  
 1,1-Dichloroethane  
 Concen: 19.103 ug/l  
 RT: 6.565 min Scan# 784  
 Delta R.T. 0.000 min  
 Lab File: VN081454.D  
 Acq: 18 Mar 2024 16:51

Tgt Ion: 63 Resp: 196042  
 Ion Ratio Lower Upper  
 63 100  
 98 7.9 2.9 8.6  
 100 4.2 1.9 5.7

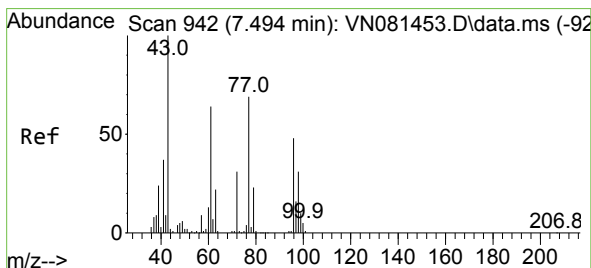
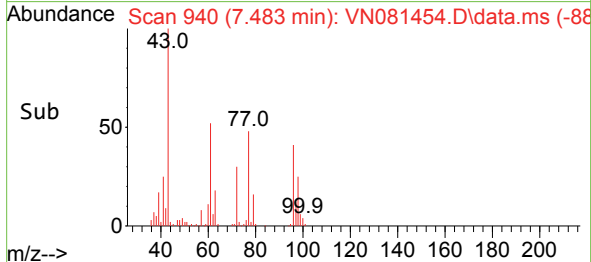
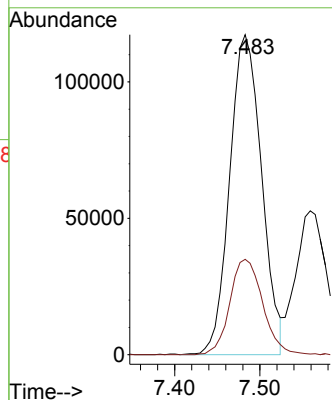
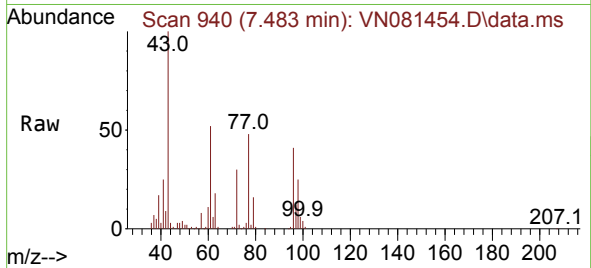




#25  
2-Butanone  
Concen: 96.843 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

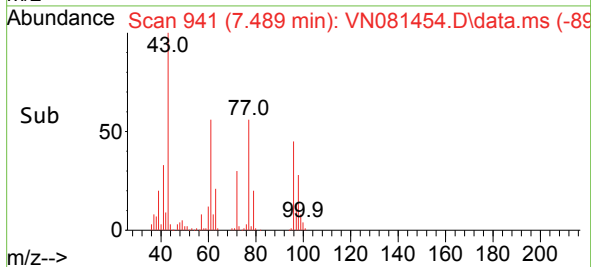
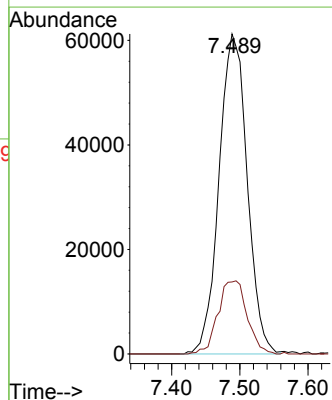
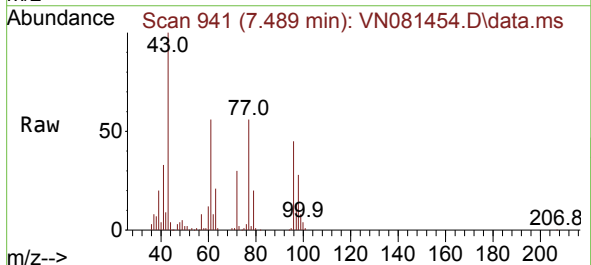
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

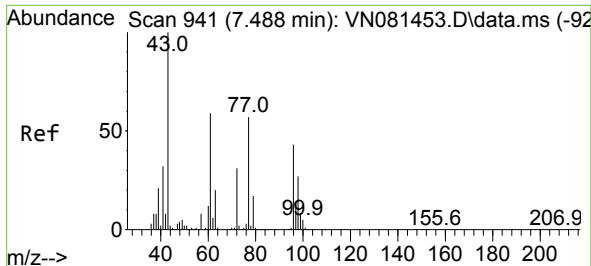
Tgt Ion: 43 Resp: 305270  
Ion Ratio Lower Upper  
43 100  
72 29.8 19.5 29.3#



#26  
2,2-Dichloropropane  
Concen: 19.779 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. -0.006 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion: 77 Resp: 176049  
Ion Ratio Lower Upper  
77 100  
97 23.6 11.5 34.5

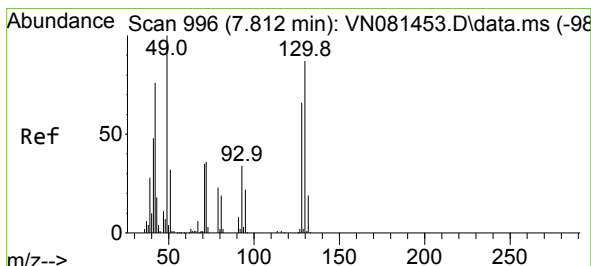
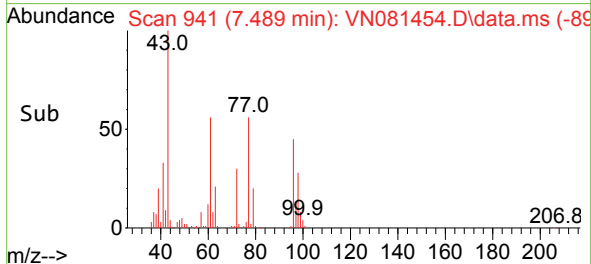
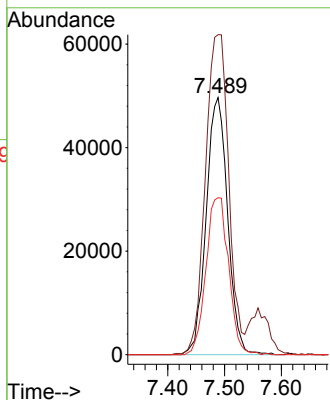
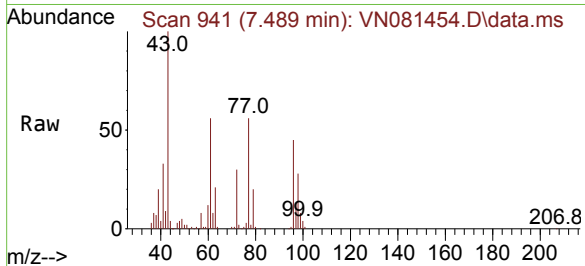




#27  
 cis-1,2-Dichloroethene  
 Concen: 19.643 ug/l  
 RT: 7.489 min Scan# 941  
 Delta R.T. 0.000 min  
 Lab File: VN081454.D  
 Acq: 18 Mar 2024 16:51

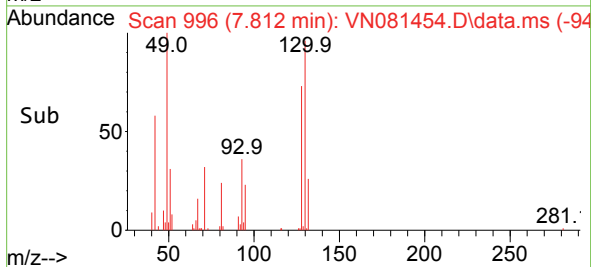
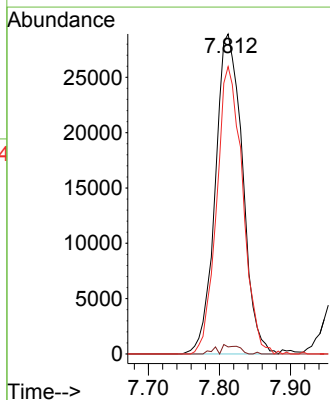
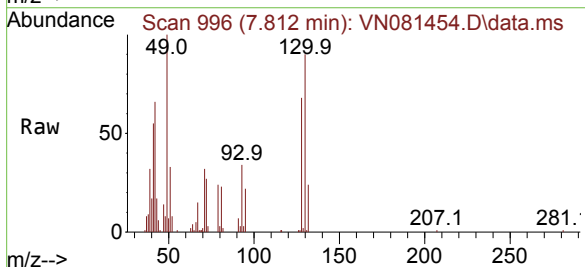
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

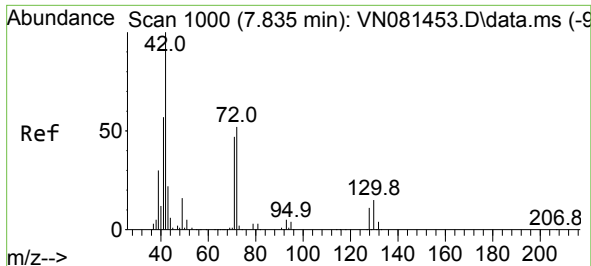
Tgt Ion: 96 Resp: 130410  
 Ion Ratio Lower Upper  
 96 100  
 61 135.3 0.0 325.4  
 98 64.4 0.0 130.4



#28  
 Bromochloromethane  
 Concen: 18.335 ug/l  
 RT: 7.812 min Scan# 996  
 Delta R.T. 0.000 min  
 Lab File: VN081454.D  
 Acq: 18 Mar 2024 16:51

Tgt Ion: 49 Resp: 76641  
 Ion Ratio Lower Upper  
 49 100  
 129 2.1 0.0 1.6#  
 130 86.0 42.3 63.5#

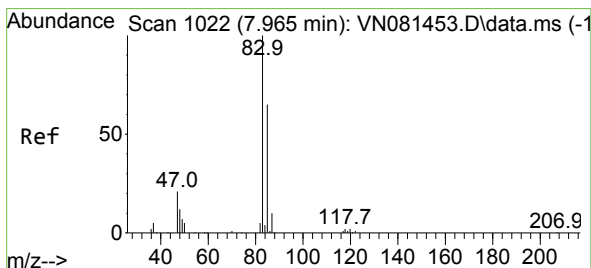
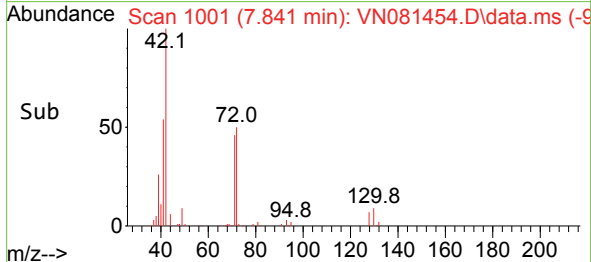
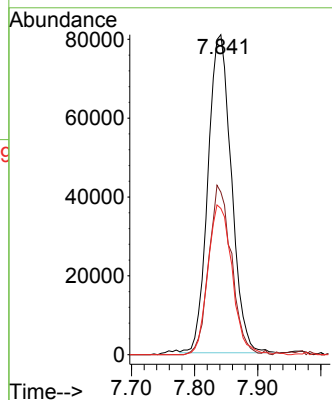
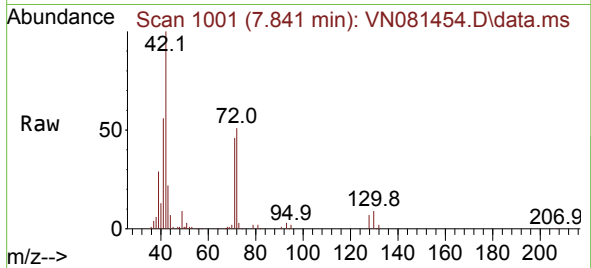




#29  
Tetrahydrofuran  
Concen: 98.010 ug/l  
RT: 7.841 min Scan# 1000  
Delta R.T. 0.006 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

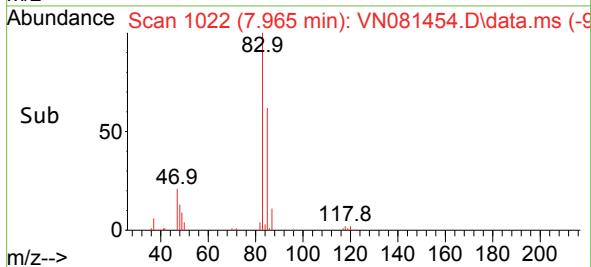
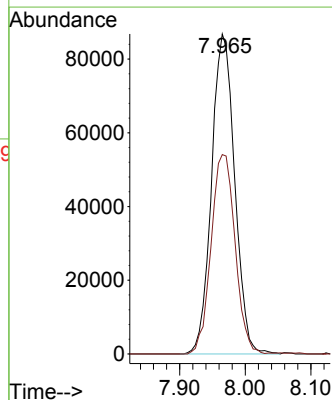
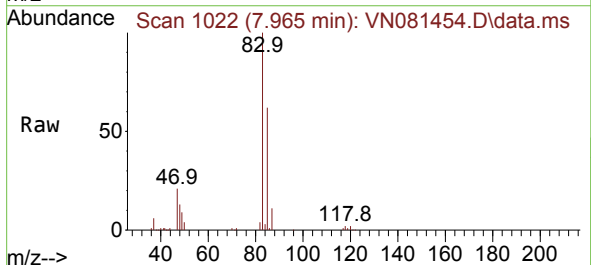
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

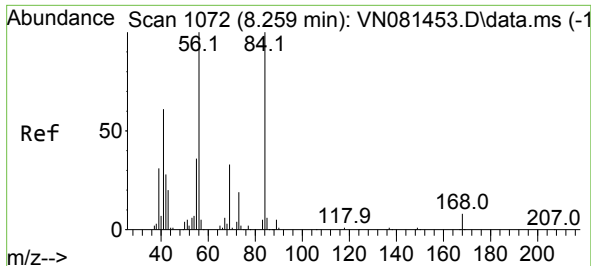
Tgt Ion: 42 Resp: 208127  
Ion Ratio Lower Upper  
42 100  
72 51.6 31.1 46.7#  
71 48.6 28.3 42.5#



#30  
Chloroform  
Concen: 19.334 ug/l  
RT: 7.965 min Scan# 1022  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion: 83 Resp: 212411  
Ion Ratio Lower Upper  
83 100  
85 62.3 51.0 76.6

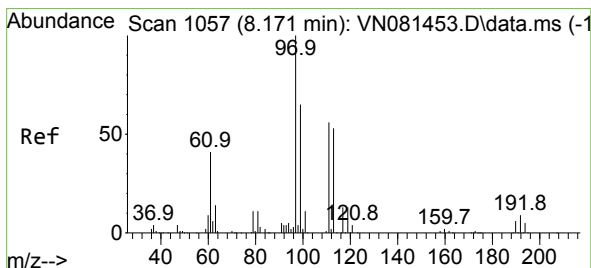
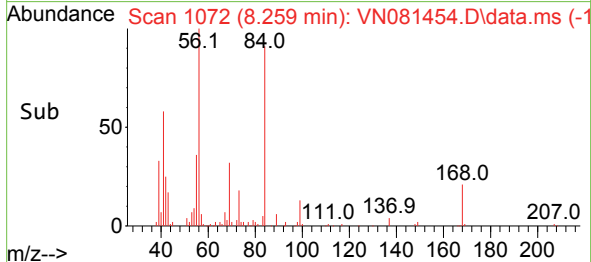
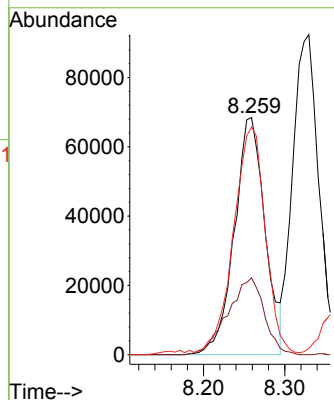
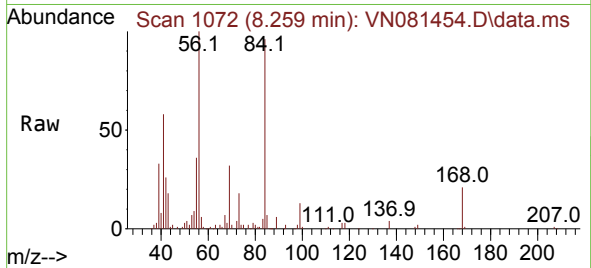




#31  
Cyclohexane  
Concen: 19.448 ug/l  
RT: 8.259 min Scan# 1072  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

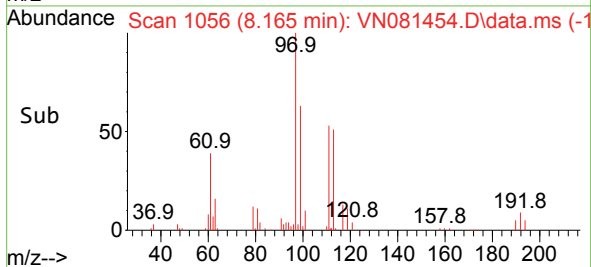
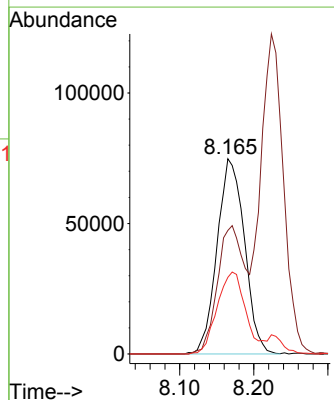
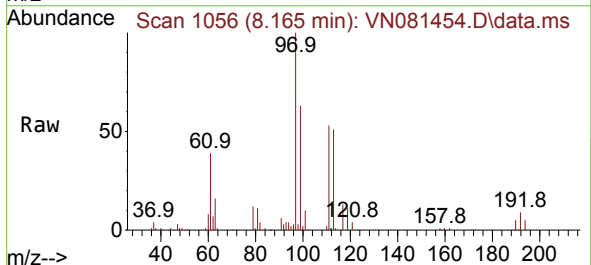
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

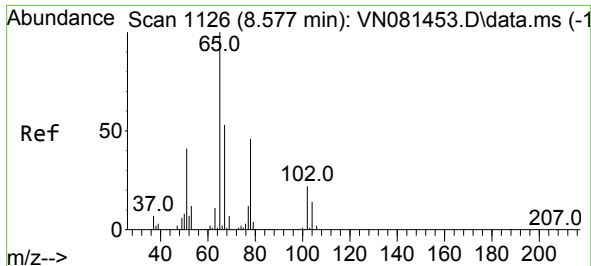
Tgt Ion: 56 Resp: 179968  
Ion Ratio Lower Upper  
56 100  
69 32.4 20.1 30.1#  
84 94.2 56.9 85.3#



#32  
1,1,1-Trichloroethane  
Concen: 19.286 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.006 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion: 97 Resp: 192231  
Ion Ratio Lower Upper  
97 100  
99 66.2 53.4 80.0  
61 42.7 43.8 65.8#





#33

1,2-Dichloroethane-d4

Concen: 19.345 ug/l

RT: 8.583 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN081454.D

Acq: 18 Mar 2024 16:51

Instrument :

MSVOA\_N

ClientSampleId :

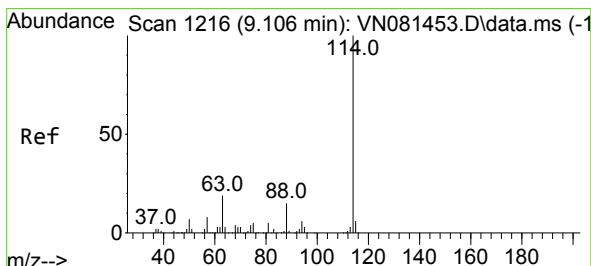
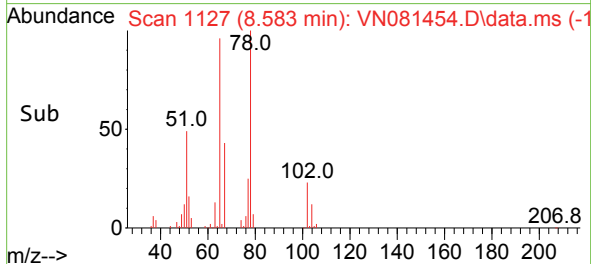
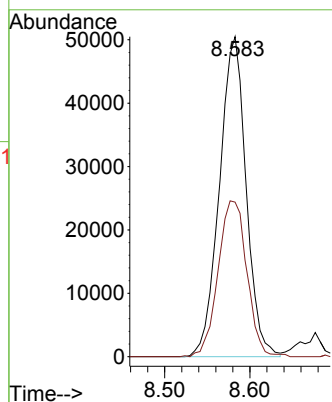
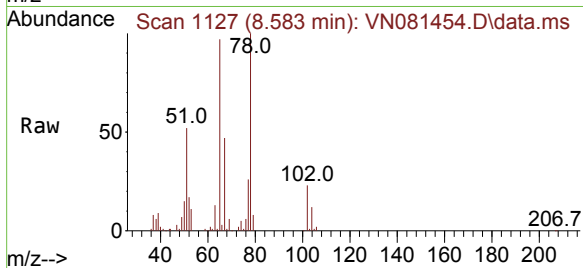
VSTDIC020

Tgt Ion: 65 Resp: 110007

Ion Ratio Lower Upper

65 100

67 52.5 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN081454.D

Acq: 18 Mar 2024 16:51

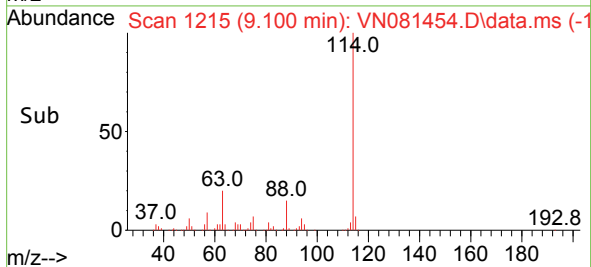
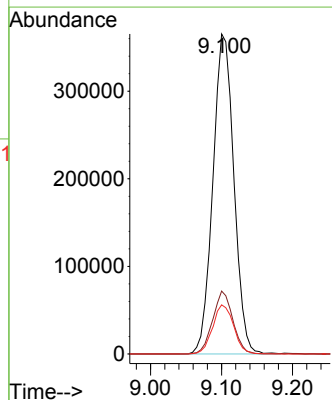
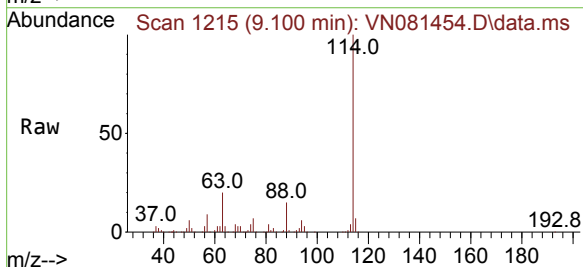
Tgt Ion: 114 Resp: 749761

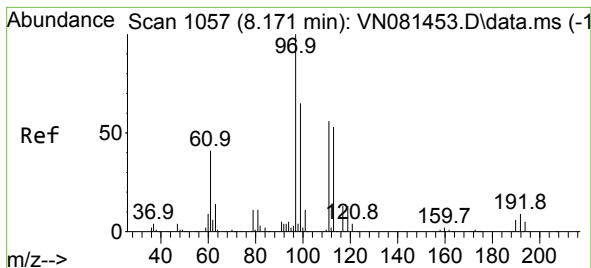
Ion Ratio Lower Upper

114 100

63 19.6 0.0 48.0

88 15.4 0.0 34.8





#35

Dibromofluoromethane

Concen: 19.501 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN081454.D

Acq: 18 Mar 2024 16:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

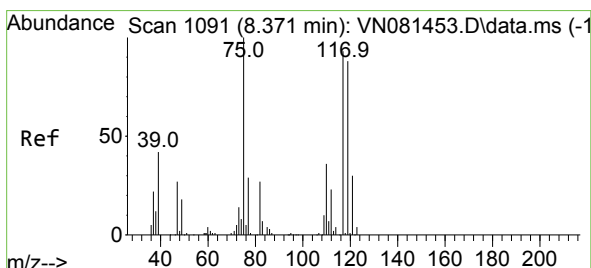
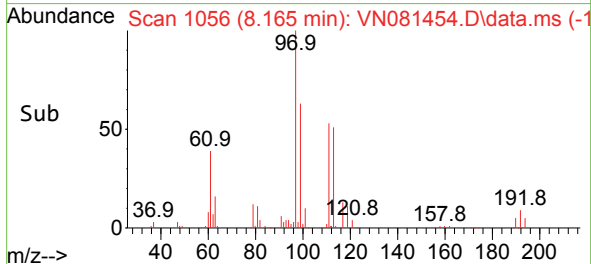
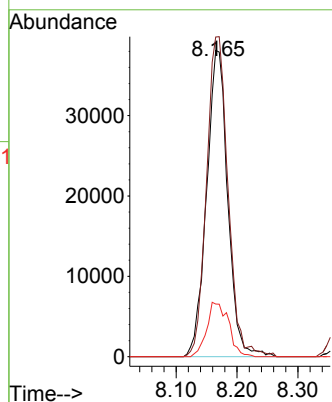
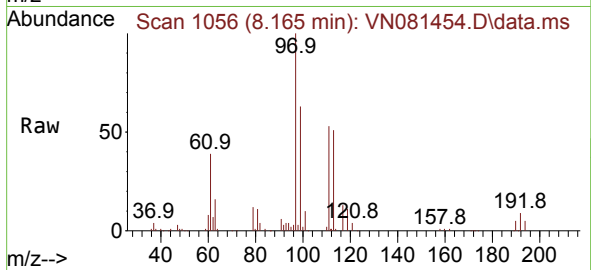
Tgt Ion:113 Resp: 92274

Ion Ratio Lower Upper

113 100

111 106.1 82.2 123.4

192 18.3 12.5 18.7



#36

1,1-Dichloropropene

Concen: 19.642 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.000 min

Lab File: VN081454.D

Acq: 18 Mar 2024 16:51

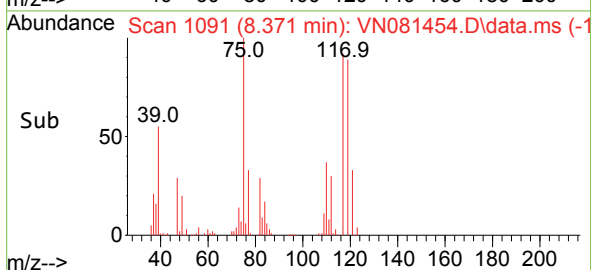
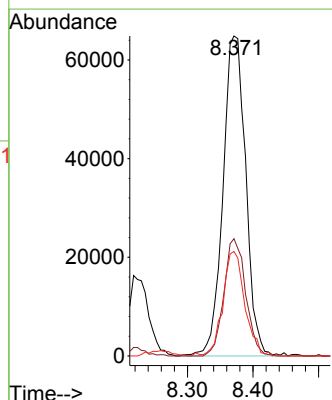
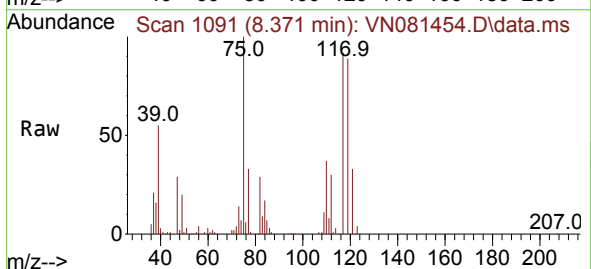
Tgt Ion: 75 Resp: 156412

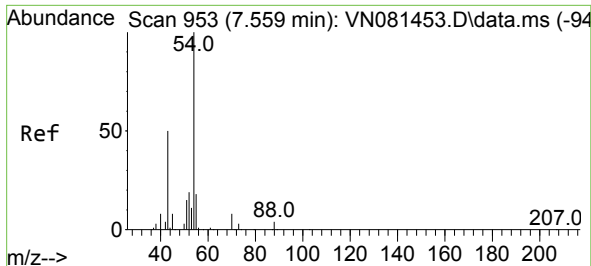
Ion Ratio Lower Upper

75 100

110 35.0 16.0 48.0

77 31.6 25.8 38.6





#37

Ethyl Acetate

Concen: 20.614 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN081454.D

Acq: 18 Mar 2024 16:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC020

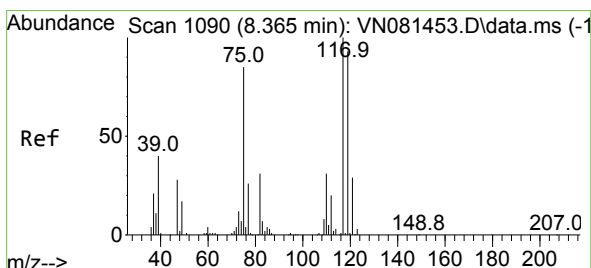
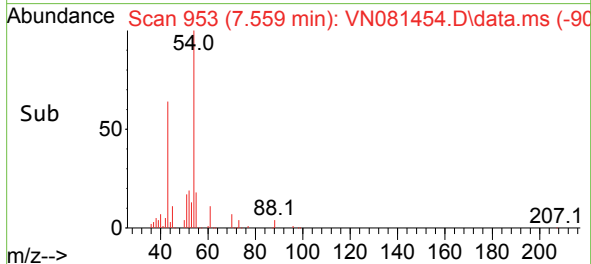
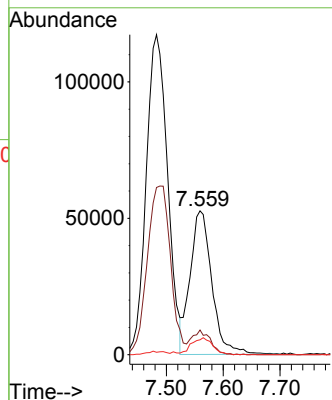
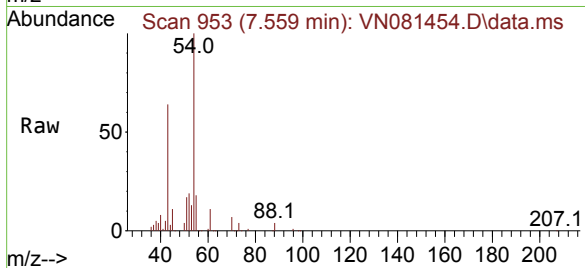
Tgt Ion: 43 Resp: 140559

Ion Ratio Lower Upper

43 100

61 14.5 10.6 15.8

70 11.5 8.0 12.0



#38

Carbon Tetrachloride

Concen: 19.671 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. 0.000 min

Lab File: VN081454.D

Acq: 18 Mar 2024 16:51

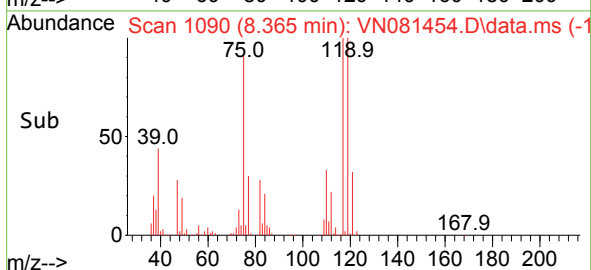
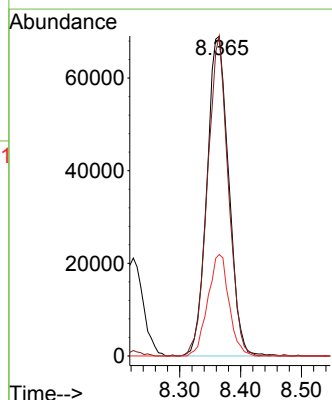
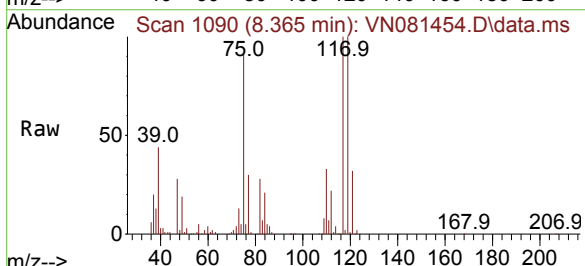
Tgt Ion: 117 Resp: 171593

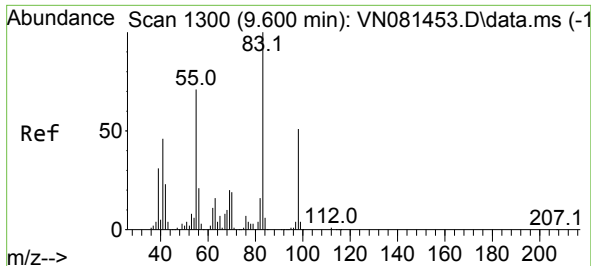
Ion Ratio Lower Upper

117 100

119 100.1 73.4 110.2

121 31.7 24.4 36.6

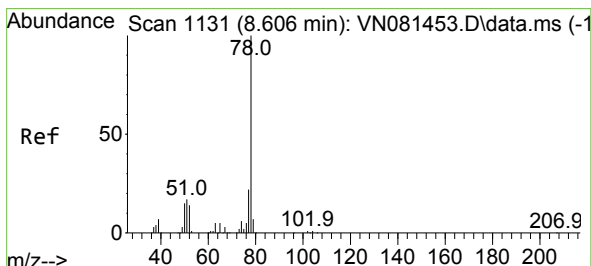
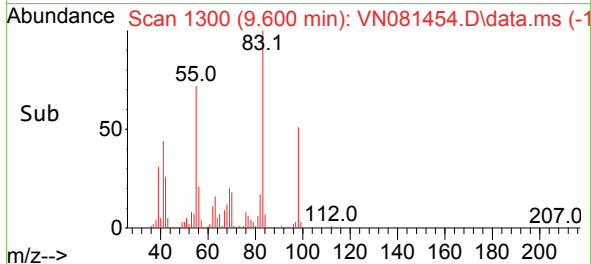
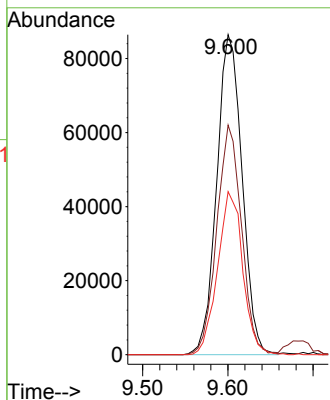
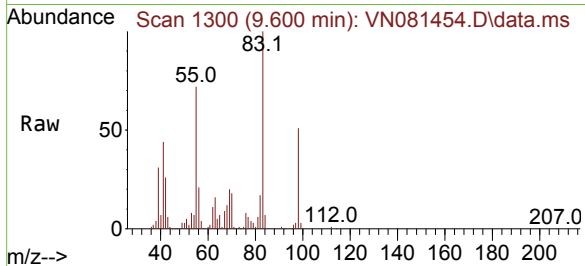




#39  
Methylcyclohexane  
Concen: 20.156 ug/l  
RT: 9.600 min Scan# 11300  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

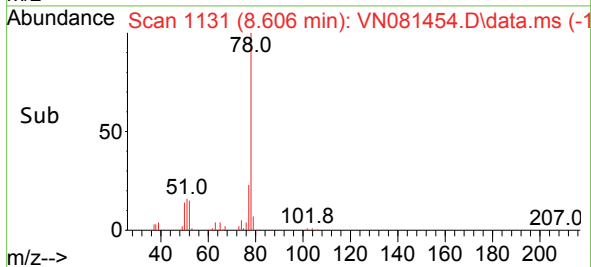
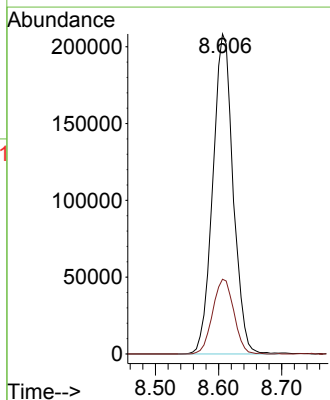
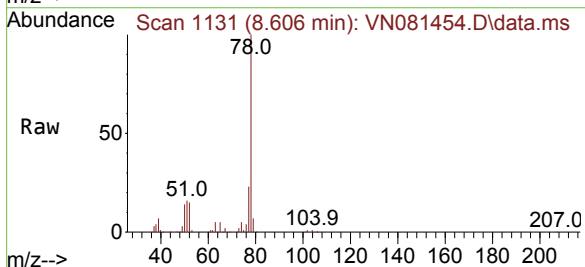
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

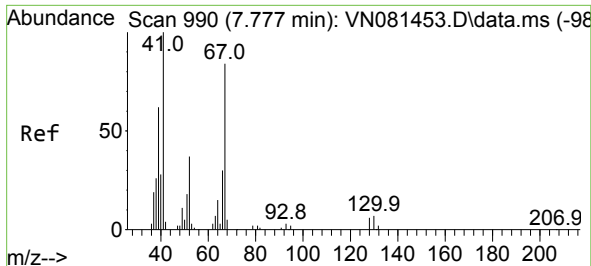
Tgt Ion: 83 Resp: 179236  
Ion Ratio Lower Upper  
83 100  
55 71.8 65.7 98.5  
98 50.9 33.8 50.6#



#40  
Benzene  
Concen: 19.989 ug/l  
RT: 8.606 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion: 78 Resp: 465362  
Ion Ratio Lower Upper  
78 100  
77 23.3 20.4 30.6

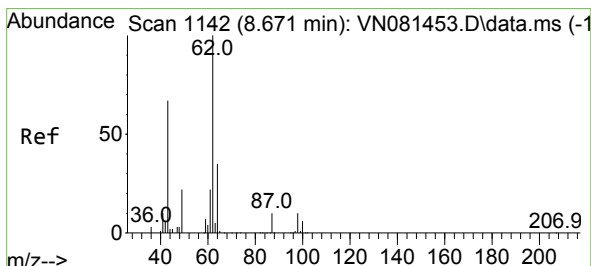
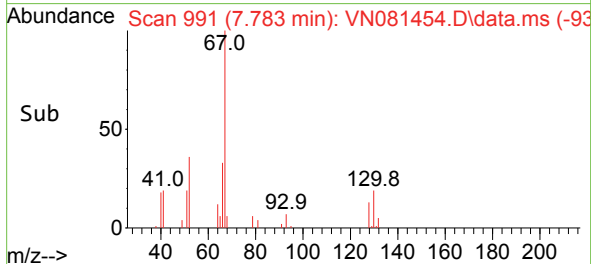
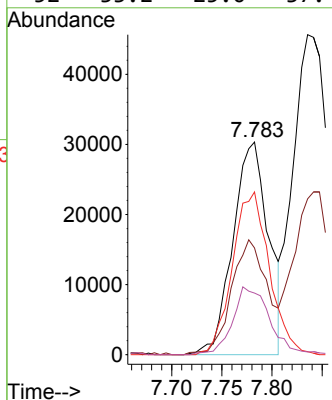
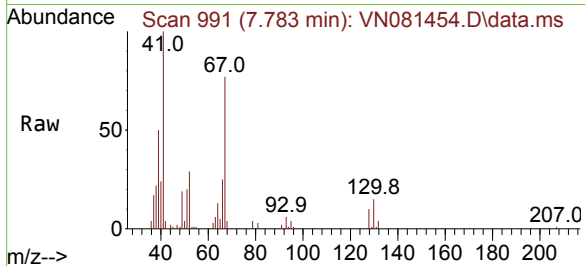




#41  
Methacrylonitrile  
Concen: 20.768 ug/l  
RT: 7.783 min Scan# 991  
Delta R.T. 0.006 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

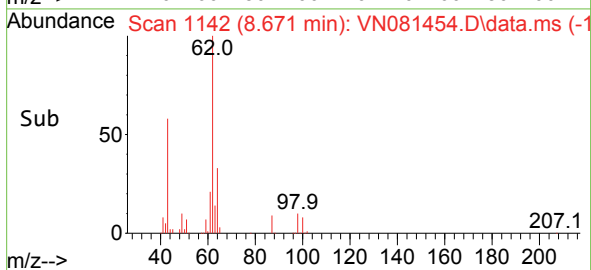
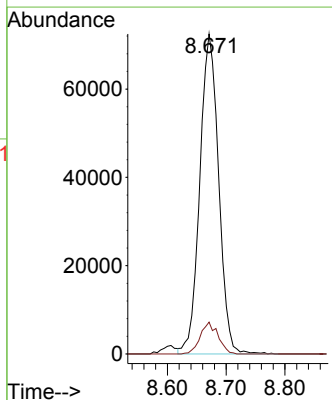
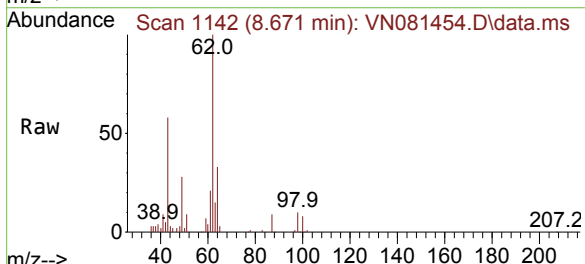
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

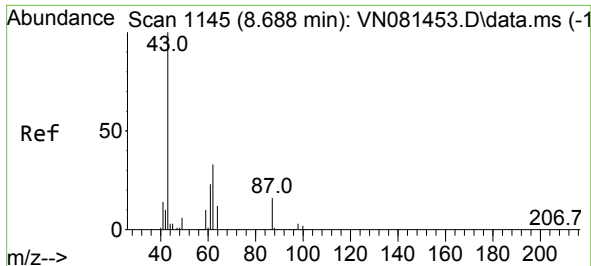
Tgt Ion: 41 Resp: 74888  
Ion Ratio Lower Upper  
41 100  
39 54.4 48.4 72.6  
67 79.5 56.8 85.2  
52 33.2 25.0 37.4



#42  
1,2-Dichloroethane  
Concen: 19.738 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion: 62 Resp: 161709  
Ion Ratio Lower Upper  
62 100  
98 9.4 0.0 18.0

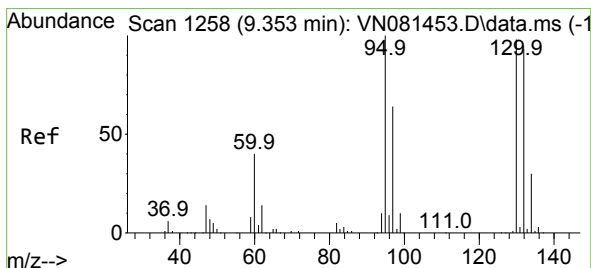
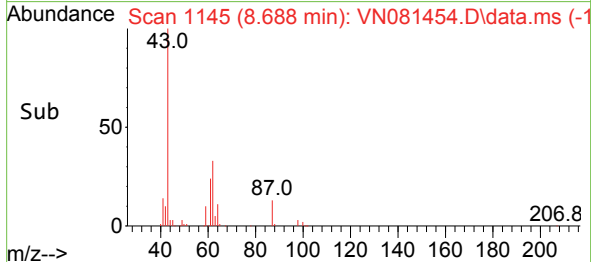
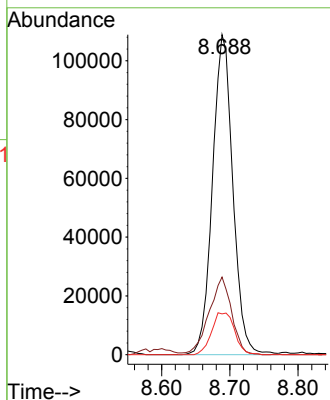
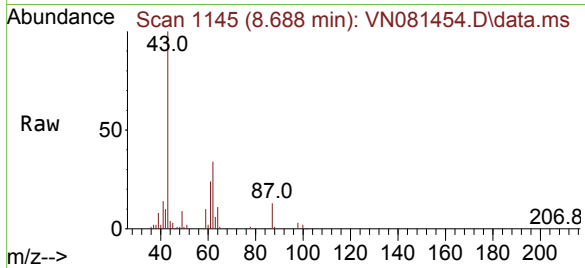




#43  
Isopropyl Acetate  
Concen: 20.047 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

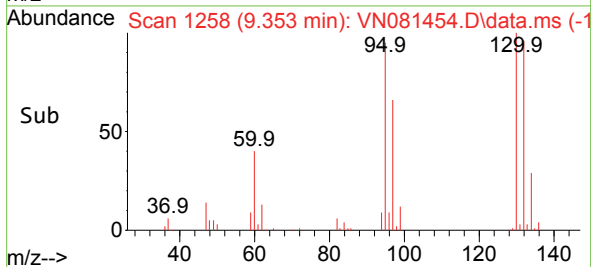
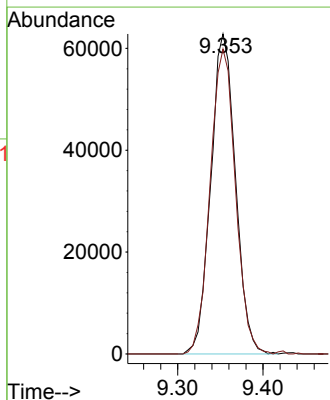
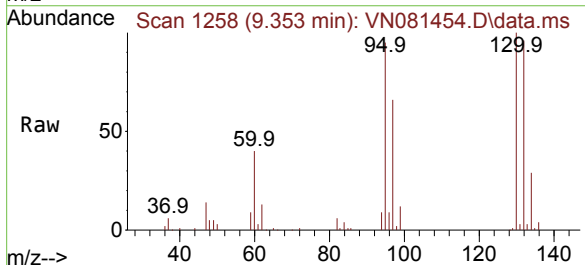
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

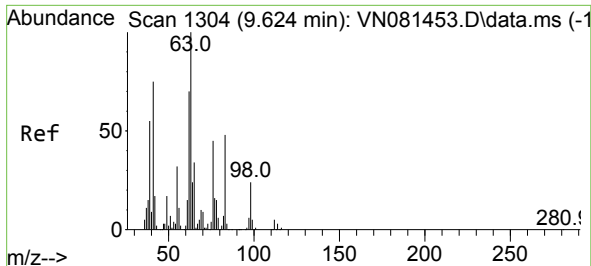
Tgt Ion: 43 Resp: 226582  
Ion Ratio Lower Upper  
43 100  
61 26.8 19.9 29.9  
87 14.8 9.0 13.6#



#44  
Trichloroethene  
Concen: 19.305 ug/l  
RT: 9.353 min Scan# 1258  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion:130 Resp: 126400  
Ion Ratio Lower Upper  
130 100  
95 95.3 0.0 210.4





#45

1,2-Dichloropropane

Concen: 19.938 ug/l

RT: 9.624 min Scan# 1304

Delta R.T. 0.000 min

Lab File: VN081454.D

Acq: 18 Mar 2024 16:51

Instrument :

MSVOA\_N

ClientSampleId :

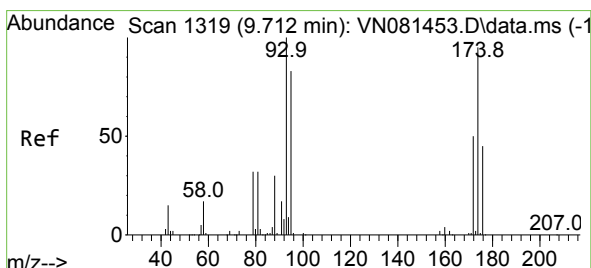
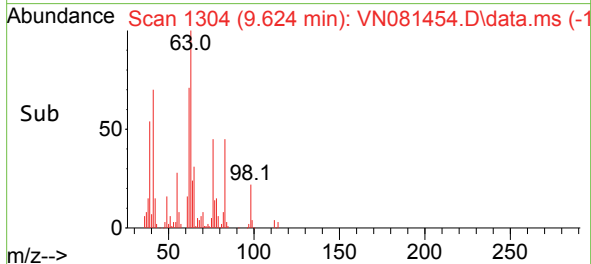
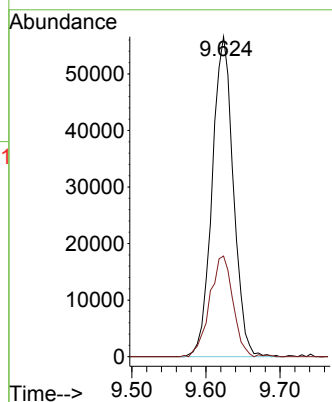
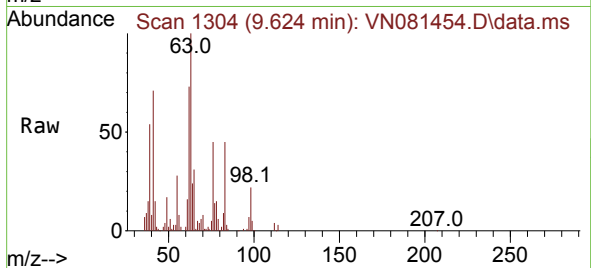
VSTDICC020

Tgt Ion: 63 Resp: 112490

Ion Ratio Lower Upper

63 100

65 31.4 26.1 39.1



#46

Dibromomethane

Concen: 19.427 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VN081454.D

Acq: 18 Mar 2024 16:51

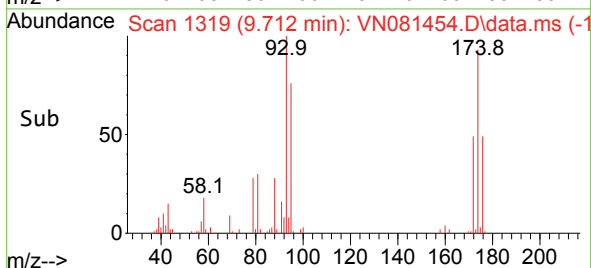
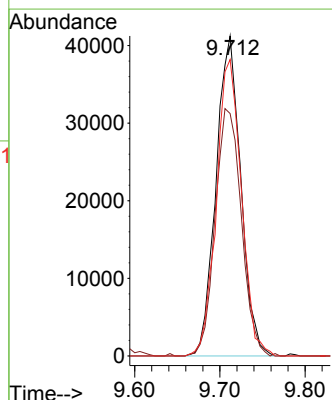
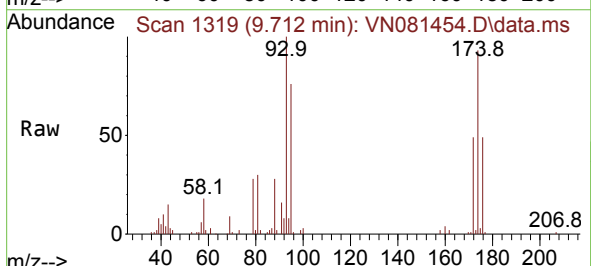
Tgt Ion: 93 Resp: 83238

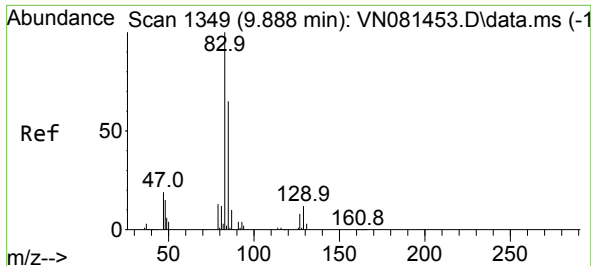
Ion Ratio Lower Upper

93 100

95 81.8 68.1 102.1

174 93.6 57.2 85.8#

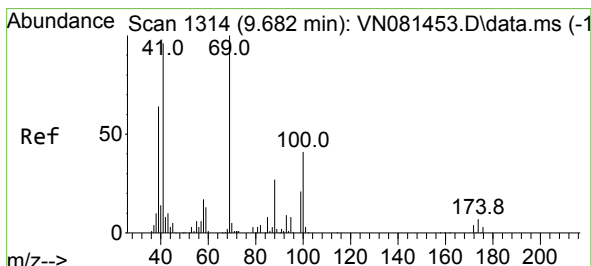
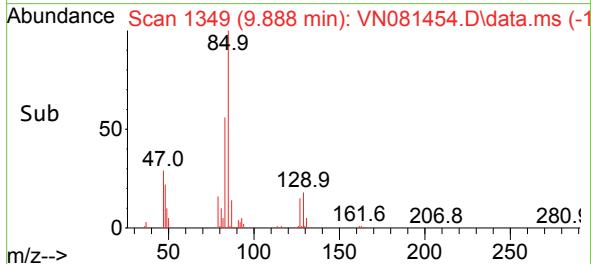
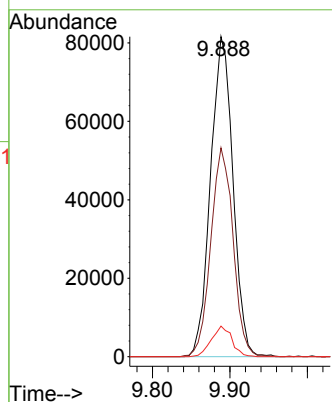
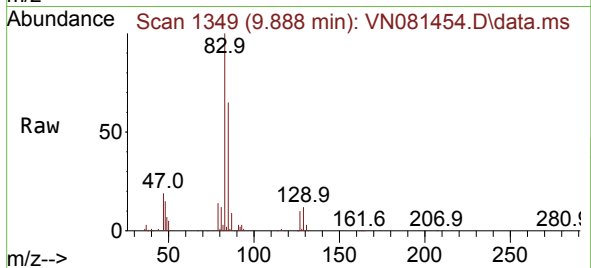




#47  
Bromodichloromethane  
Concen: 19.538 ug/l  
RT: 9.888 min Scan# 1349  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

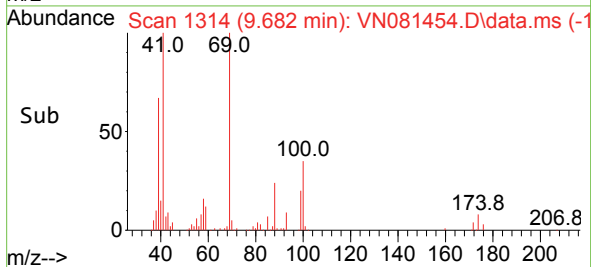
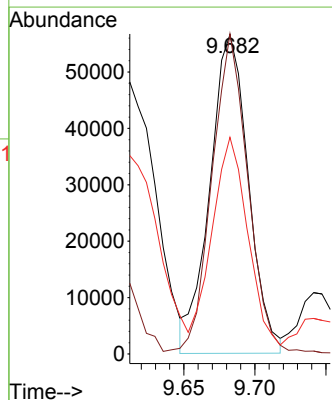
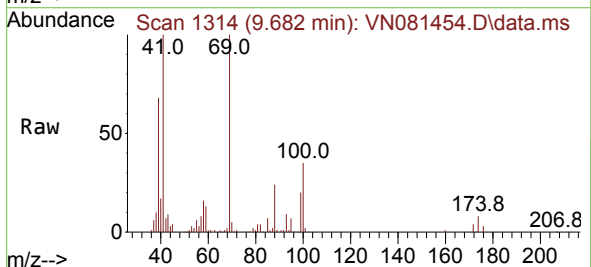
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

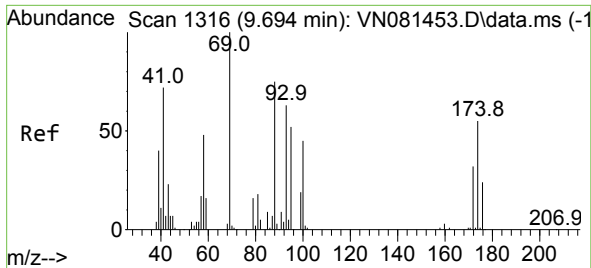
Tgt Ion: 83 Resp: 163675  
Ion Ratio Lower Upper  
83 100  
85 65.3 52.3 78.5  
127 9.6 4.6 7.0#



#48  
Methyl methacrylate  
Concen: 20.415 ug/l  
RT: 9.682 min Scan# 1314  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion: 41 Resp: 106428  
Ion Ratio Lower Upper  
41 100  
69 94.4 62.2 93.2#  
39 65.0 47.6 71.4

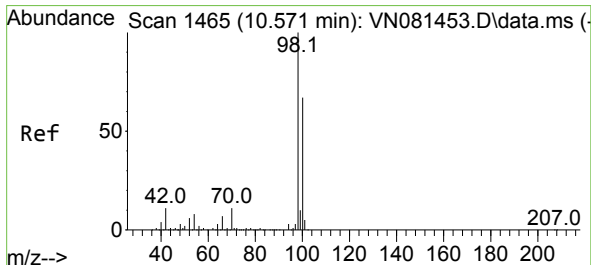
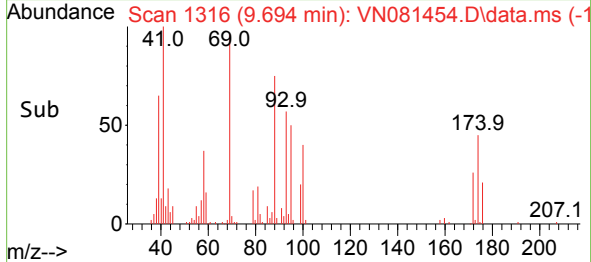
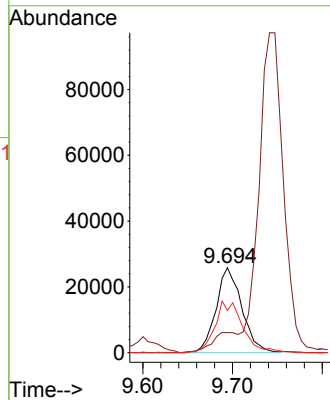
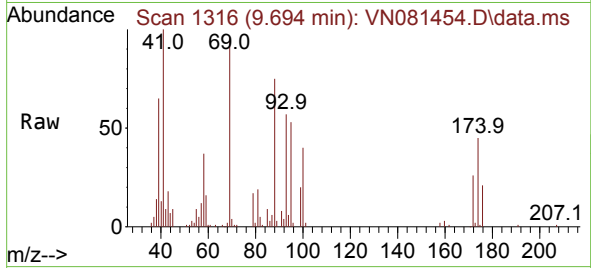




#49  
1,4-Dioxane  
Concen: 411.852 ug/l  
RT: 9.694 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

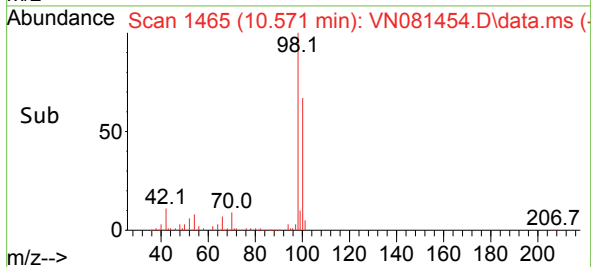
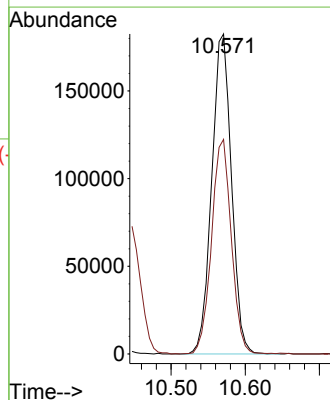
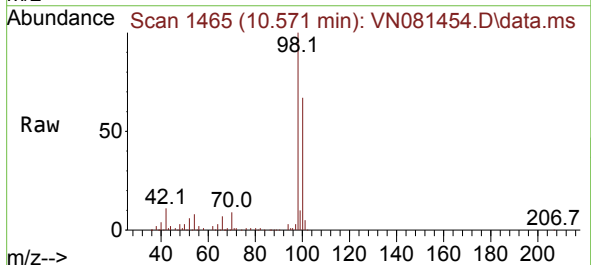
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

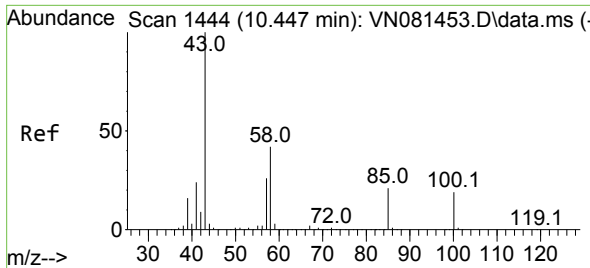
Tgt Ion: 88 Resp: 51598  
Ion Ratio Lower Upper  
88 100  
43 24.4 30.1 45.1#  
58 65.0 63.9 95.9



#50  
Toluene-d8  
Concen: 19.708 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion: 98 Resp: 337098  
Ion Ratio Lower Upper  
98 100  
100 67.1 51.4 77.0

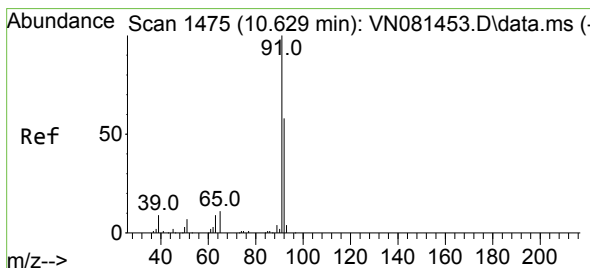
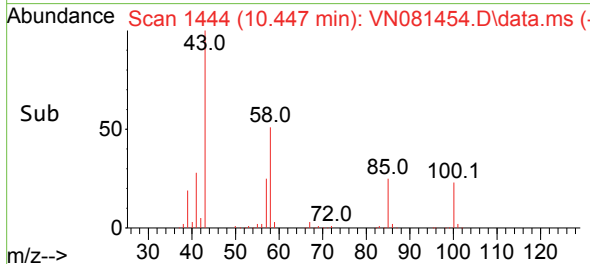
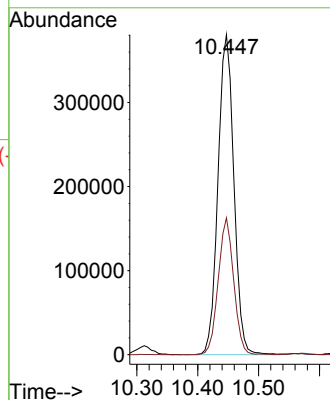
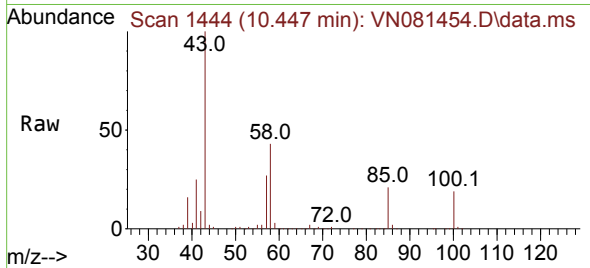




#51  
4-Methyl-2-Pentanone  
Concen: 99.719 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

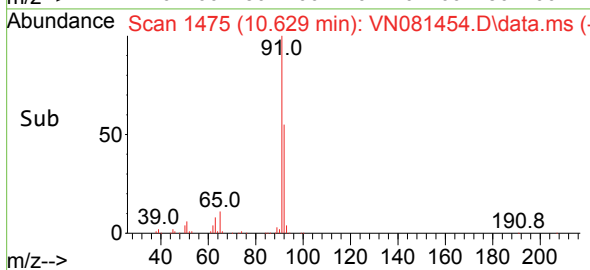
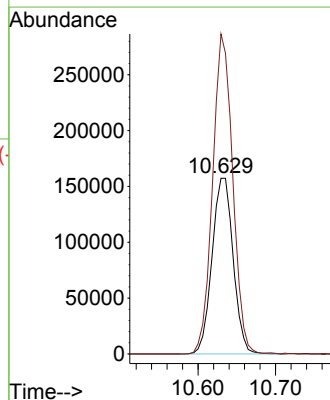
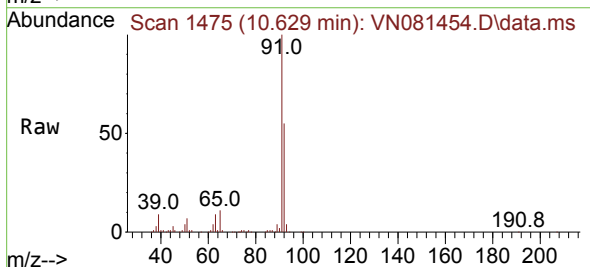
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

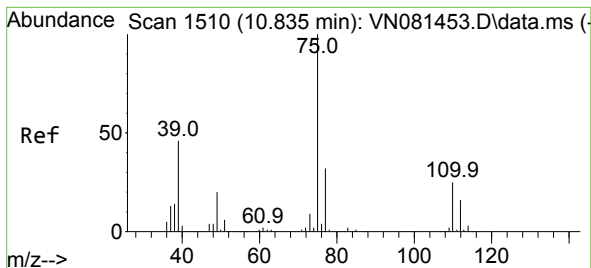
Tgt Ion: 43 Resp: 687749  
Ion Ratio Lower Upper  
43 100  
58 41.8 29.4 44.0



#52  
Toluene  
Concen: 20.134 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion: 92 Resp: 297917  
Ion Ratio Lower Upper  
92 100  
91 173.4 139.4 209.0

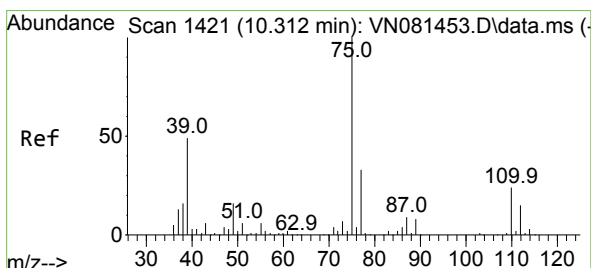
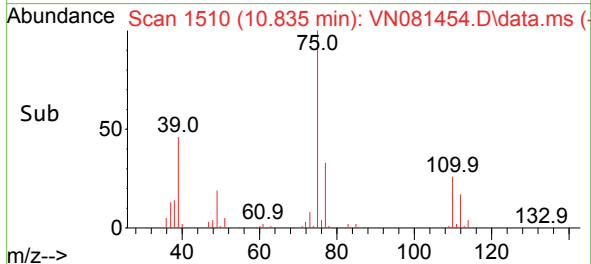
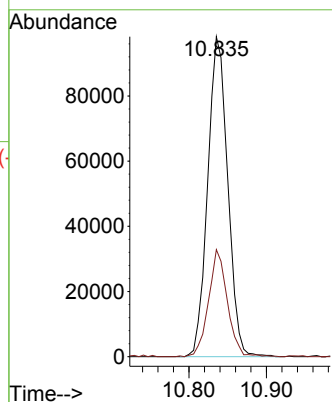
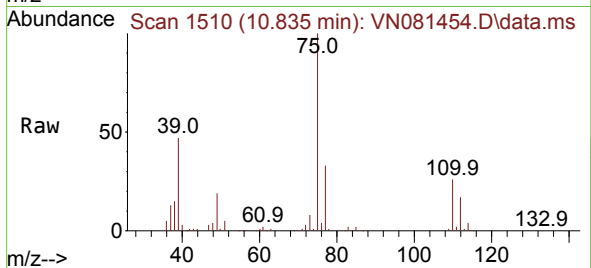




#53  
 t-1,3-Dichloropropene  
 Concen: 19.477 ug/l  
 RT: 10.835 min Scan# 1510  
 Delta R.T. 0.000 min  
 Lab File: VN081454.D  
 Acq: 18 Mar 2024 16:51

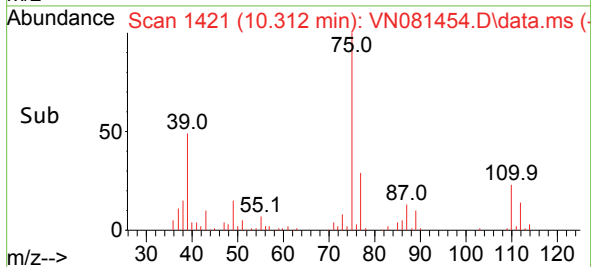
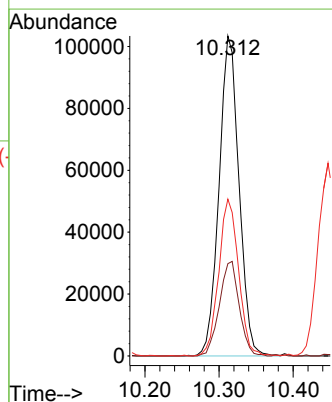
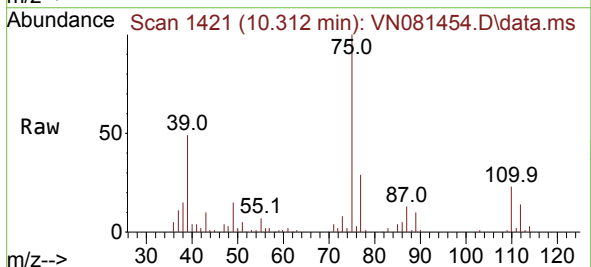
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

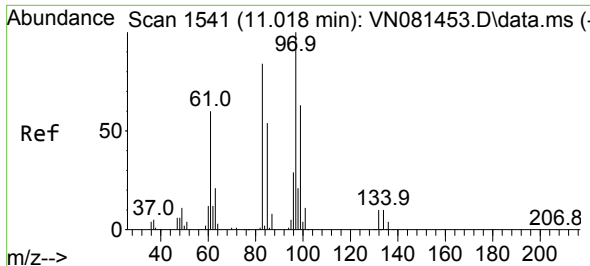
Tgt Ion: 75 Resp: 176185  
 Ion Ratio Lower Upper  
 75 100  
 77 33.4 25.5 38.3



#54  
 cis-1,3-Dichloropropene  
 Concen: 19.927 ug/l  
 RT: 10.312 min Scan# 1421  
 Delta R.T. 0.000 min  
 Lab File: VN081454.D  
 Acq: 18 Mar 2024 16:51

Tgt Ion: 75 Resp: 193267  
 Ion Ratio Lower Upper  
 75 100  
 77 28.9 23.3 34.9  
 39 49.0 44.6 66.8

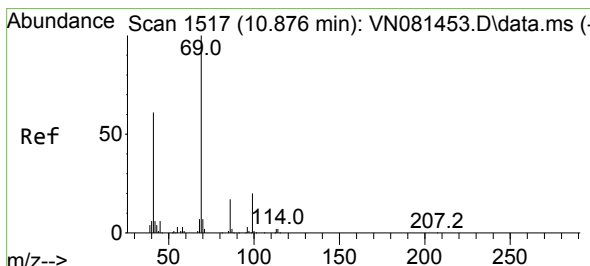
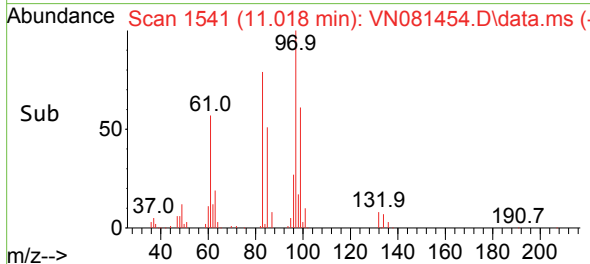
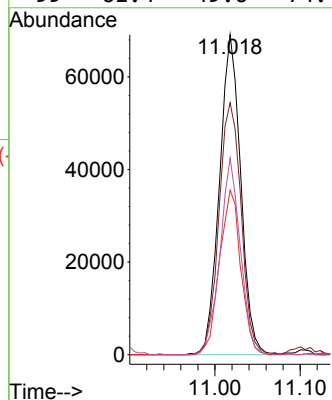
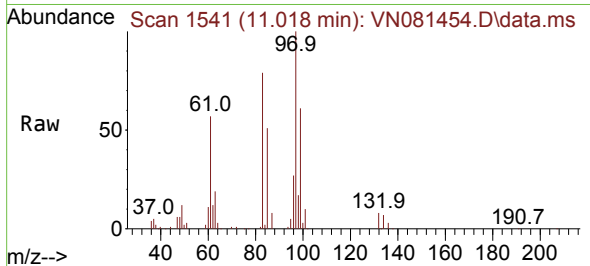




#55  
1,1,2-Trichloroethane  
Concen: 20.096 ug/l  
RT: 11.018 min Scan# 1541  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

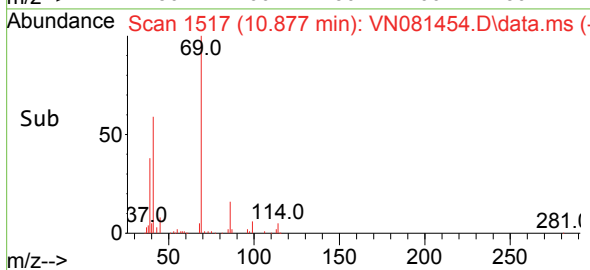
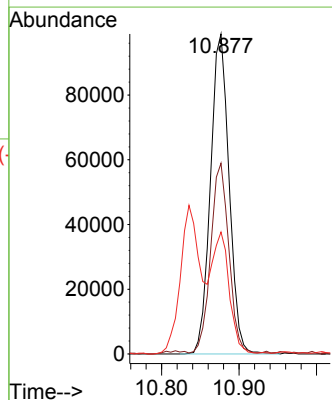
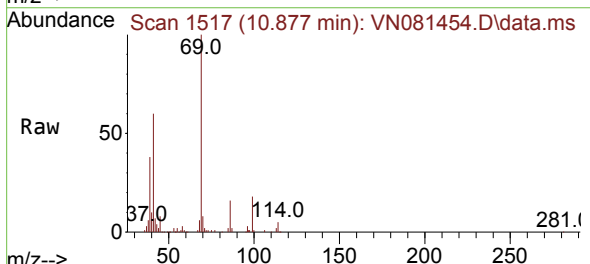
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

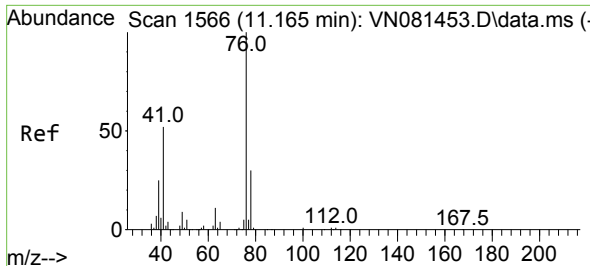
Tgt Ion: 97 Resp: 119668  
Ion Ratio Lower Upper  
97 100  
83 78.8 72.9 109.3  
85 51.4 50.2 75.2  
99 61.4 49.6 74.4



#56  
Ethyl methacrylate  
Concen: 20.151 ug/l  
RT: 10.877 min Scan# 1517  
Delta R.T. 0.001 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion: 69 Resp: 164911  
Ion Ratio Lower Upper  
69 100  
41 57.7 61.0 91.6#  
39 34.5 31.8 47.6





#57

1,3-Dichloropropane

Concen: 20.123 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. 0.000 min

Lab File: VN081454.D

Acq: 18 Mar 2024 16:51

Instrument :

MSVOA\_N

ClientSampleId :

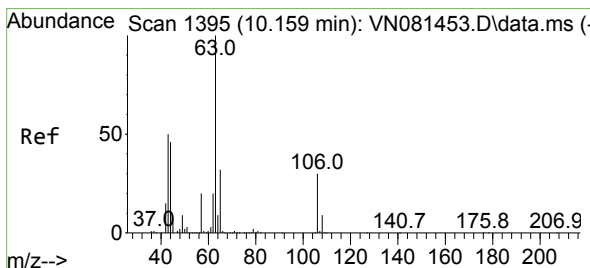
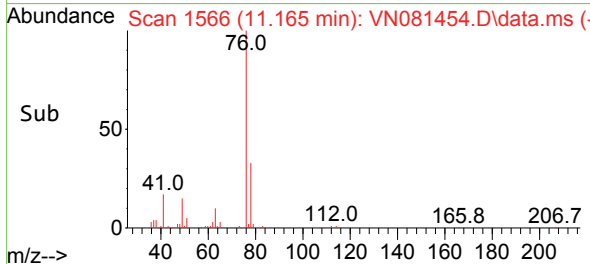
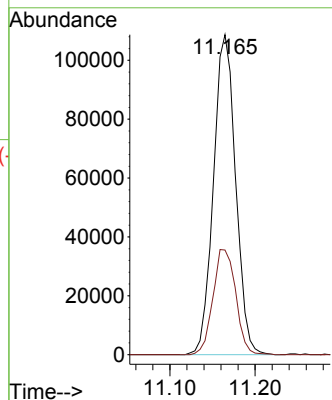
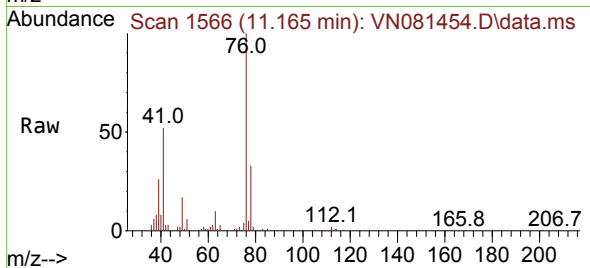
VSTDIC020

Tgt Ion: 76 Resp: 196442

Ion Ratio Lower Upper

76 100

78 33.8 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 107.443 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN081454.D

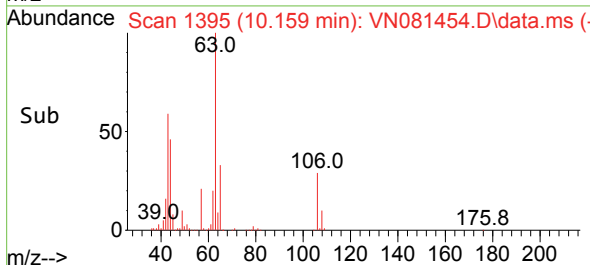
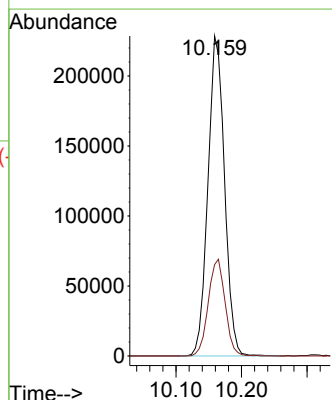
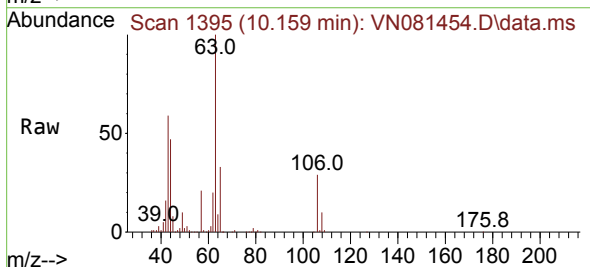
Acq: 18 Mar 2024 16:51

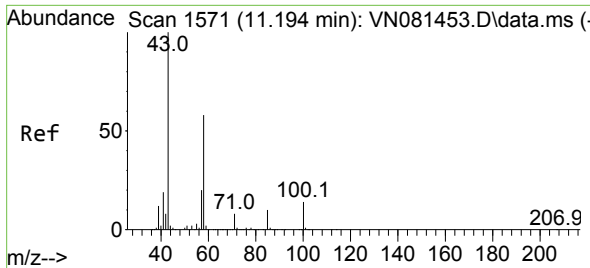
Tgt Ion: 63 Resp: 402584

Ion Ratio Lower Upper

63 100

106 30.6 18.6 28.0#

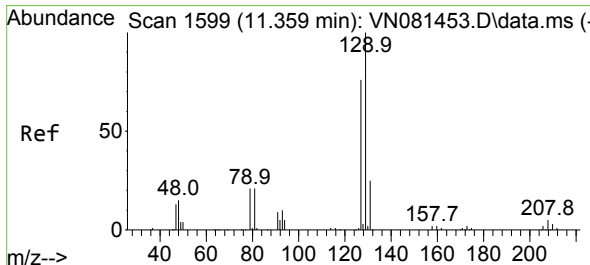
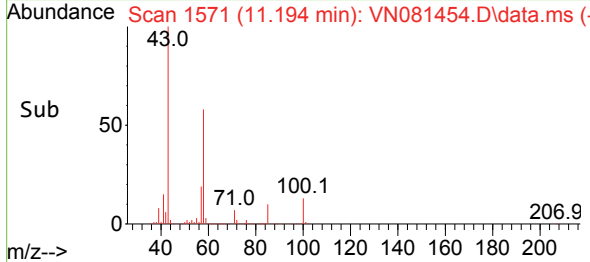
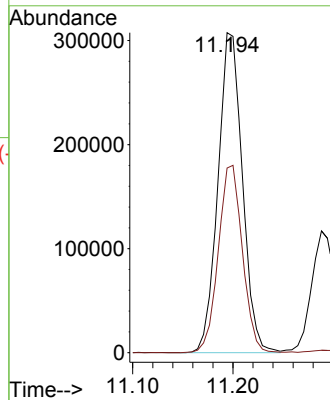
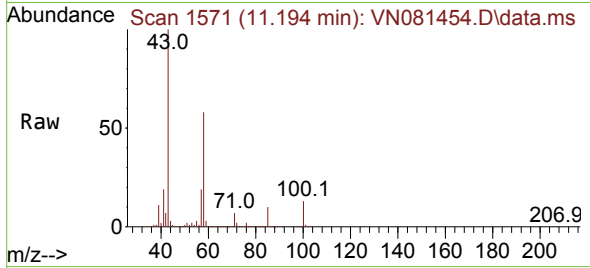




#59  
2-Hexanone  
Concen: 102.072 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

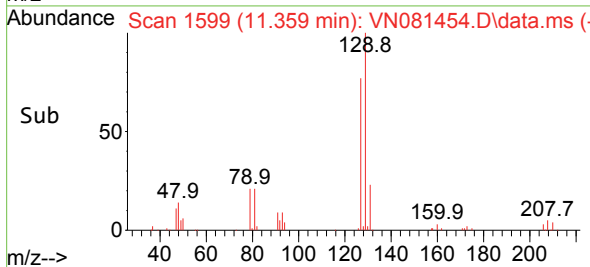
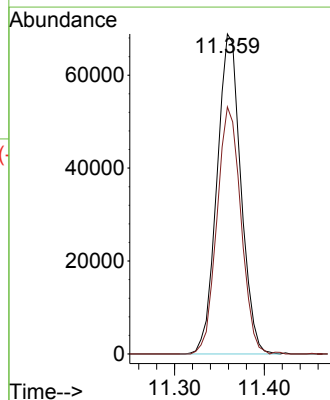
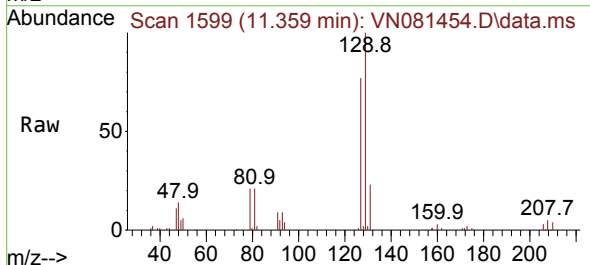
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

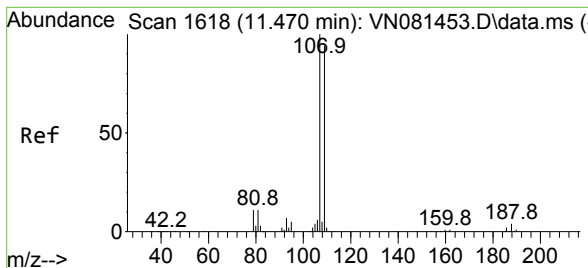
Tgt Ion: 43 Resp: 520478  
Ion Ratio Lower Upper  
43 100  
58 57.8 25.9 77.8



#60  
Dibromochloromethane  
Concen: 19.454 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion:129 Resp: 127406  
Ion Ratio Lower Upper  
129 100  
127 77.5 39.4 118.2

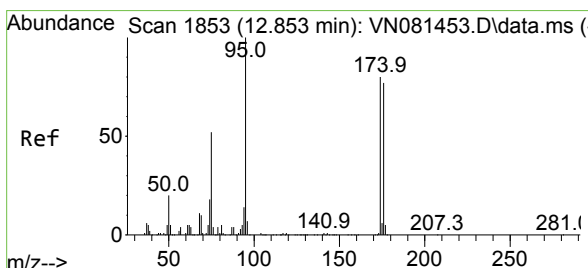
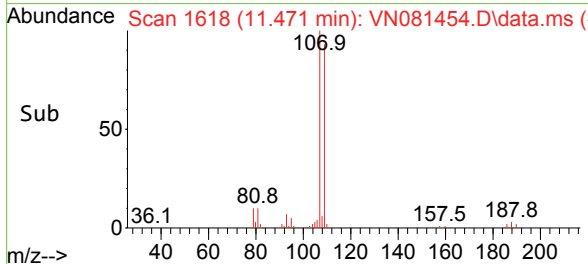
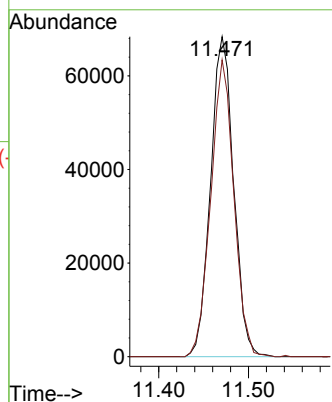
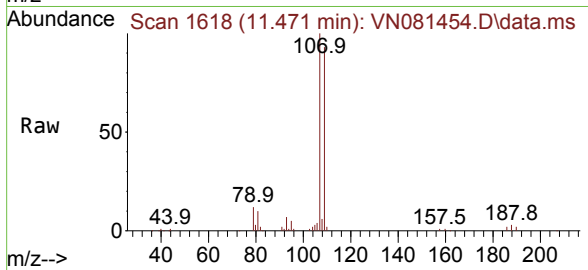




#61  
1,2-Dibromoethane  
Concen: 20.136 ug/l  
RT: 11.471 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

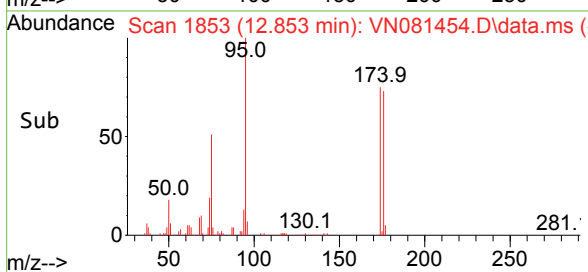
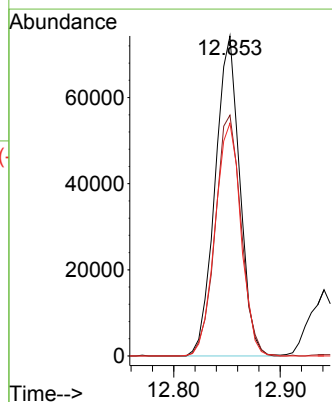
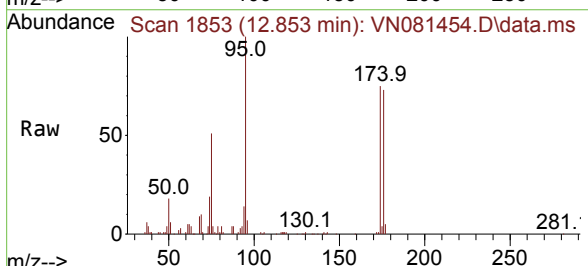
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

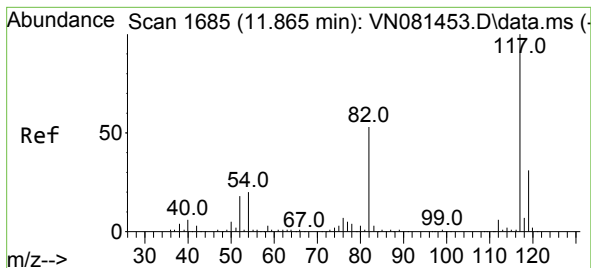
Tgt Ion:107 Resp: 122249  
Ion Ratio Lower Upper  
107 100  
109 92.6 73.4 110.2



#62  
4-Bromofluorobenzene  
Concen: 19.832 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion: 95 Resp: 119531  
Ion Ratio Lower Upper  
95 100  
174 78.6 0.0 120.4  
176 76.3 0.0 121.0

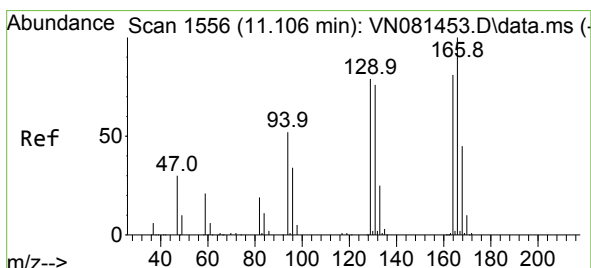
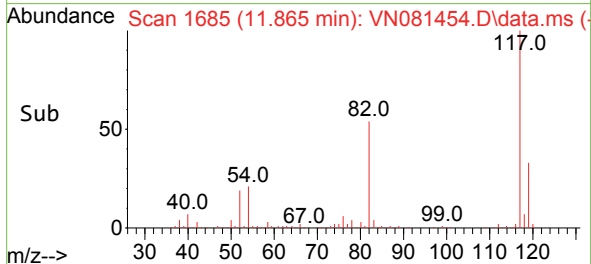
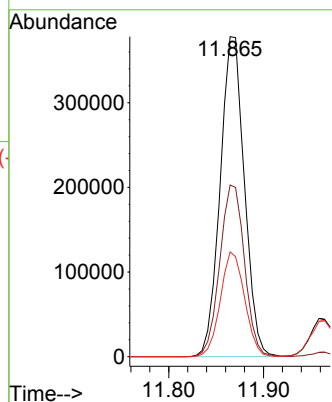
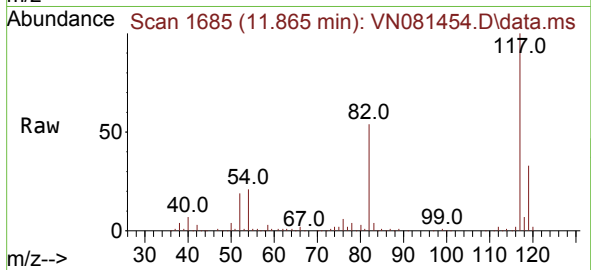




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

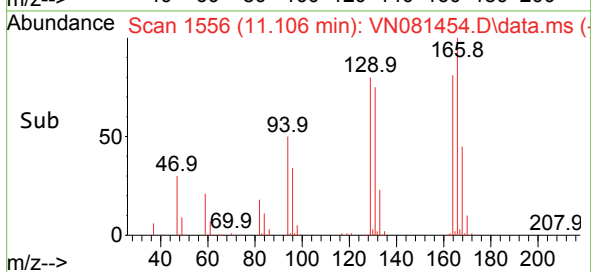
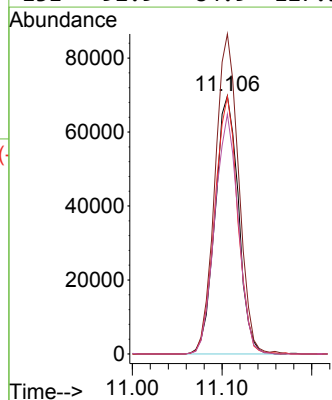
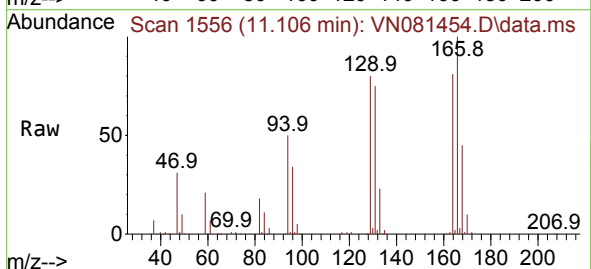
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

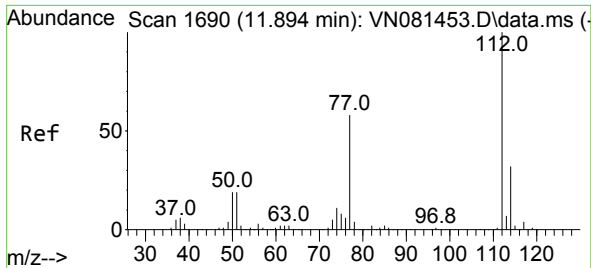
Tgt Ion:117 Resp: 672392  
Ion Ratio Lower Upper  
117 100  
82 53.7 52.7 79.1  
119 32.8 25.3 37.9



#64  
Tetrachloroethene  
Concen: 19.561 ug/l  
RT: 11.106 min Scan# 1556  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion:164 Resp: 125723  
Ion Ratio Lower Upper  
164 100  
166 124.0 105.8 158.6  
129 99.8 89.6 134.4  
131 92.9 84.9 127.3

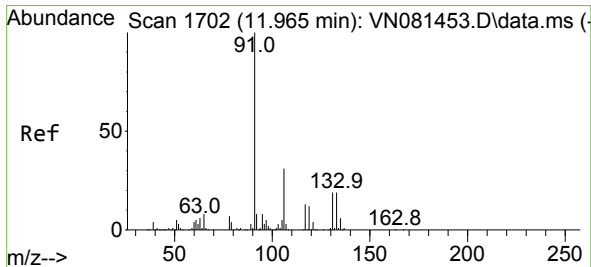
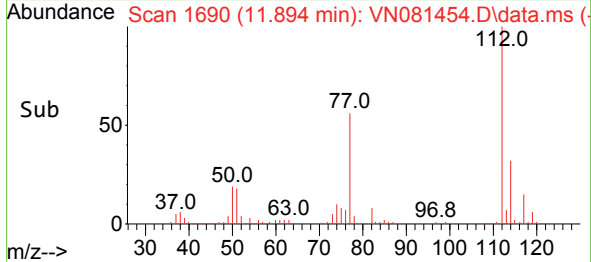
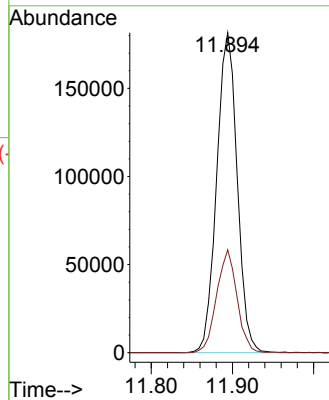
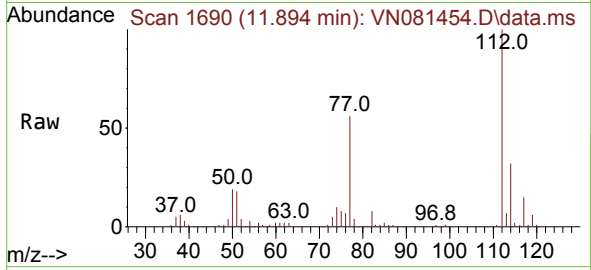




#65  
Chlorobenzene  
Concen: 20.068 ug/l  
RT: 11.894 min Scan# 1189  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

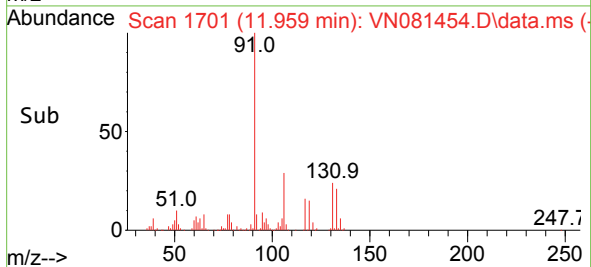
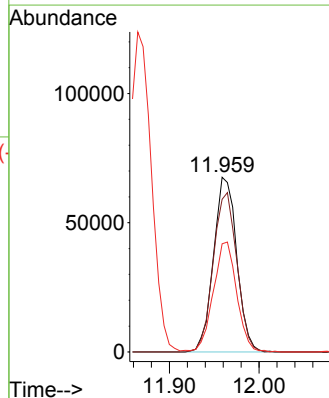
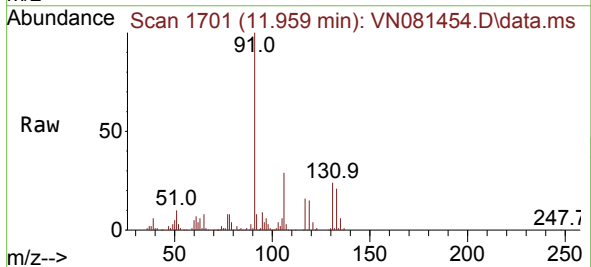
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

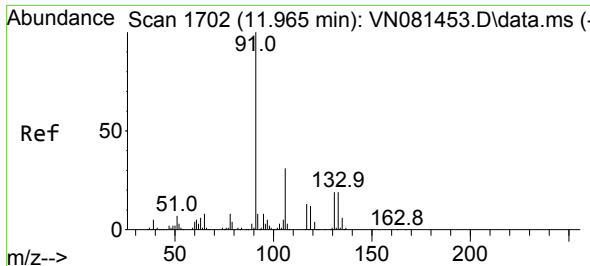
Tgt Ion:112 Resp: 318986  
Ion Ratio Lower Upper  
112 100  
114 32.2 23.7 35.5



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.624 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. -0.006 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion:131 Resp: 121504  
Ion Ratio Lower Upper  
131 100  
133 93.1 46.8 140.3  
119 63.4 34.6 103.9

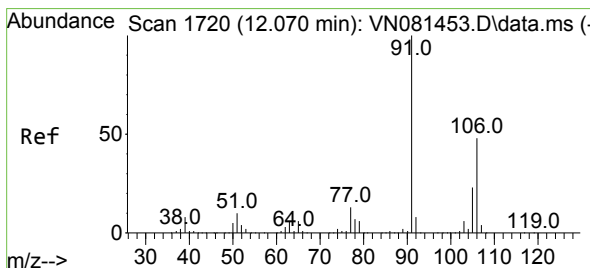
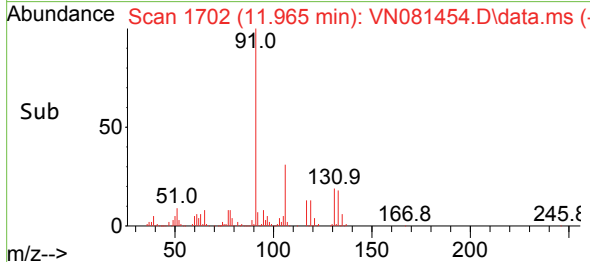
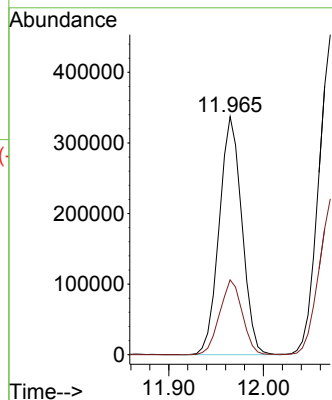
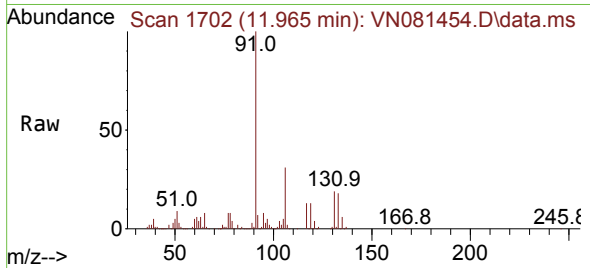




#67  
Ethyl Benzene  
Concen: 20.328 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

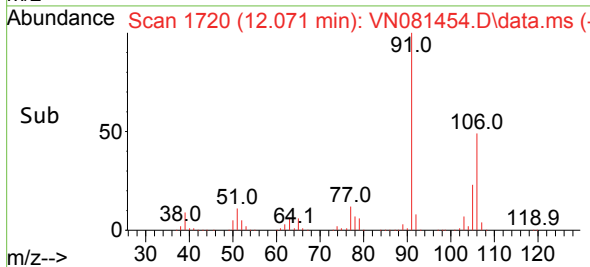
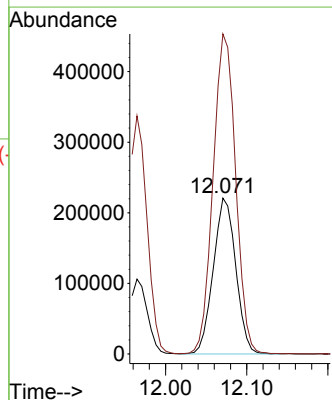
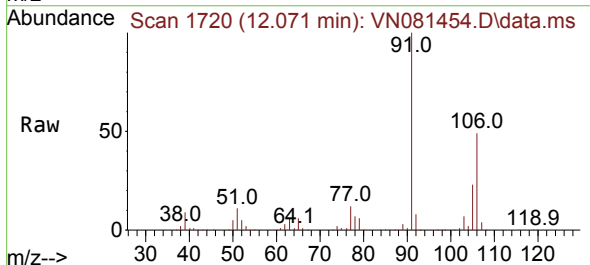
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

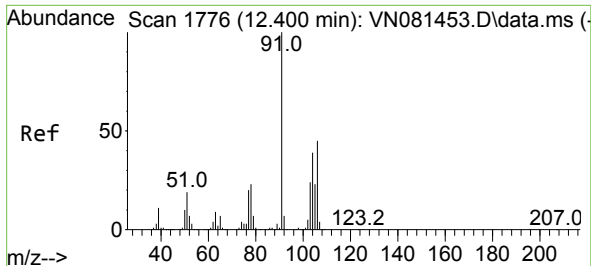
Tgt Ion: 91 Resp: 561272  
Ion Ratio Lower Upper  
91 100  
106 31.5 23.8 35.6



#68  
m/p-Xylenes  
Concen: 41.135 ug/l  
RT: 12.071 min Scan# 1720  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion:106 Resp: 425790  
Ion Ratio Lower Upper  
106 100  
91 206.1 169.0 253.6

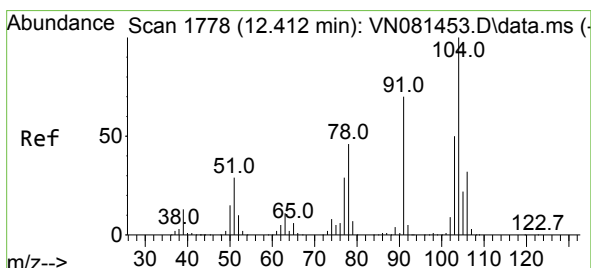
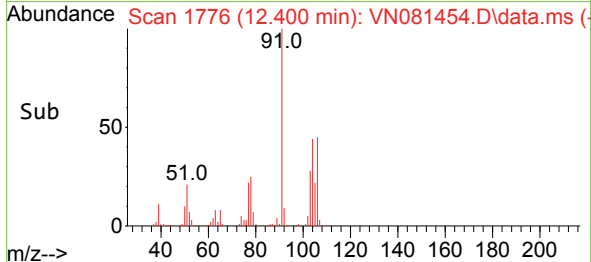
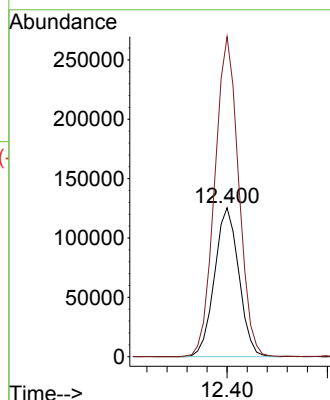
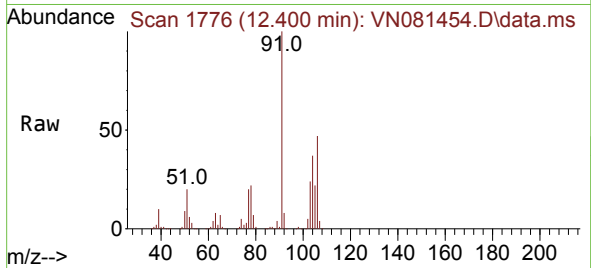




#69  
o-Xylene  
Concen: 20.757 ug/l  
RT: 12.400 min Scan# 1776  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

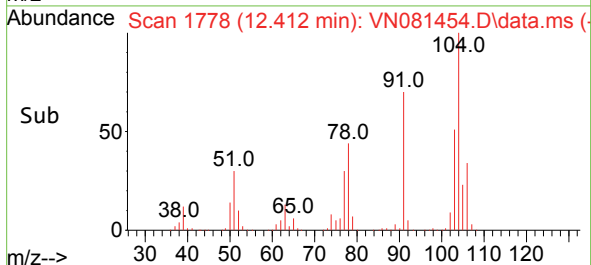
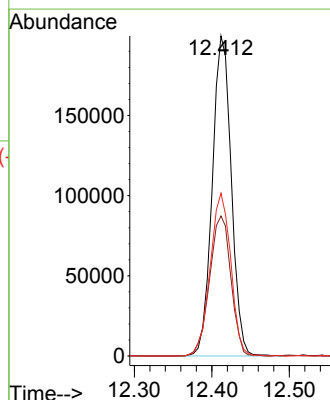
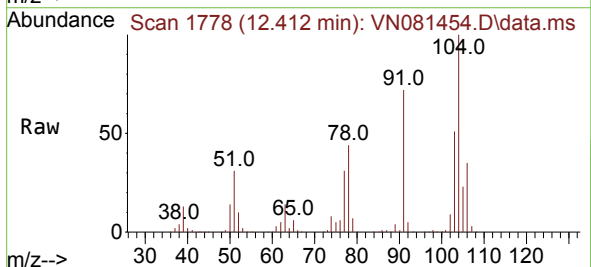
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MSVOA\_N  
ClientSampleId :  
VSTDIC020

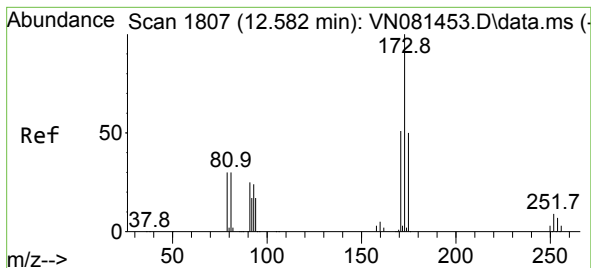
Tgt Ion:106 Resp: 210931  
Ion Ratio Lower Upper  
106 100  
91 211.9 112.1 336.3



#70  
Styrene  
Concen: 20.790 ug/l  
RT: 12.412 min Scan# 1778  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion:104 Resp: 340738  
Ion Ratio Lower Upper  
104 100  
78 49.1 43.8 65.8  
103 54.9 44.2 66.2





#71

Bromoform

Concen: 19.881 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. -0.006 min

Lab File: VN081454.D

Acq: 18 Mar 2024 16:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC020

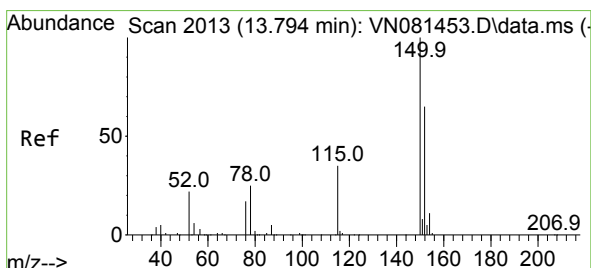
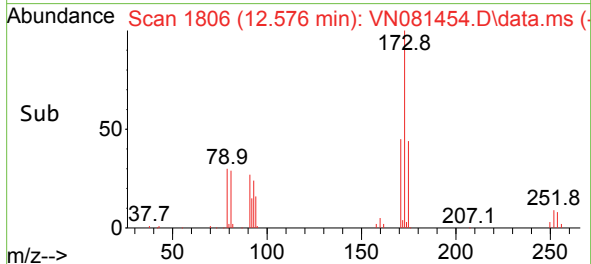
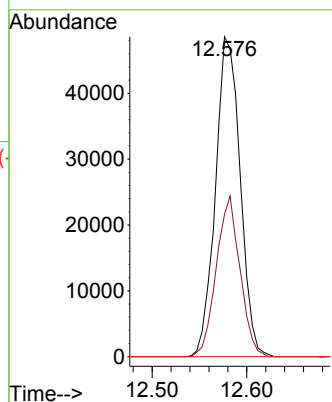
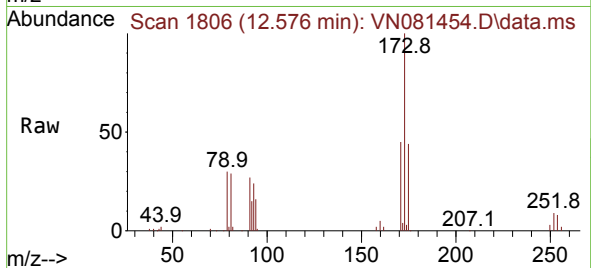
Tgt Ion:173 Resp: 88012

Ion Ratio Lower Upper

173 100

175 48.0 23.1 69.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN081454.D

Acq: 18 Mar 2024 16:51

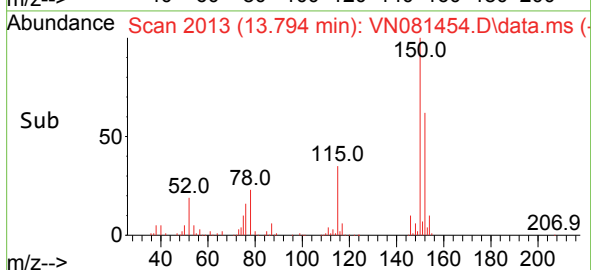
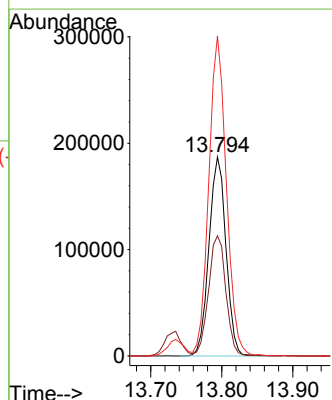
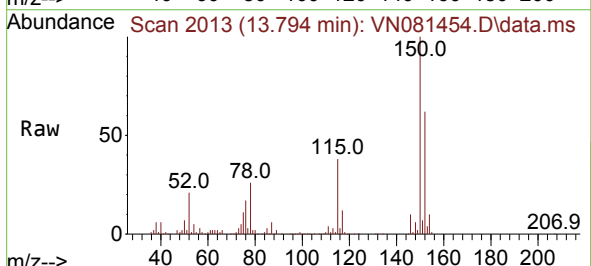
Tgt Ion:152 Resp: 312506

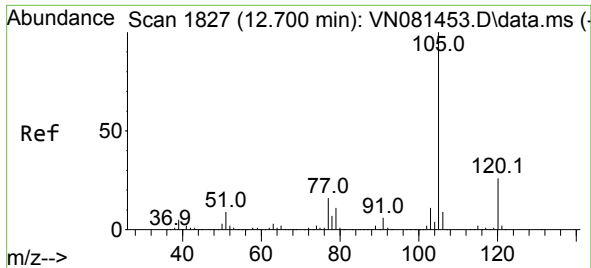
Ion Ratio Lower Upper

152 100

115 61.3 32.3 96.8

150 165.3 0.0 339.8

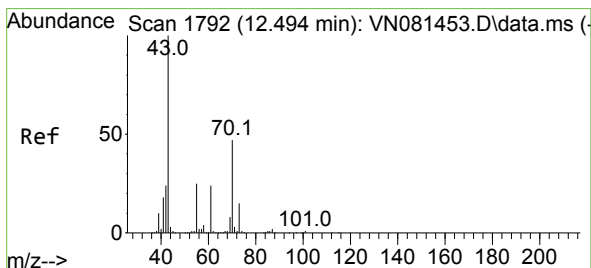
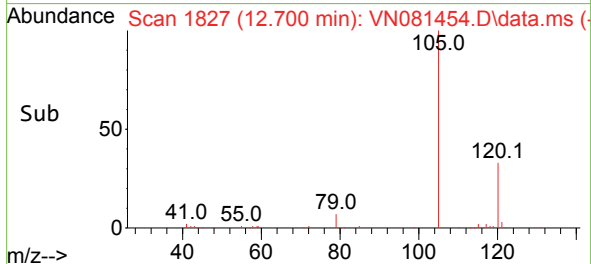
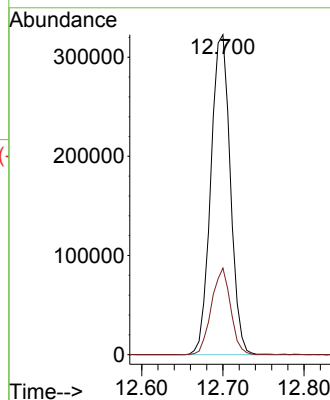
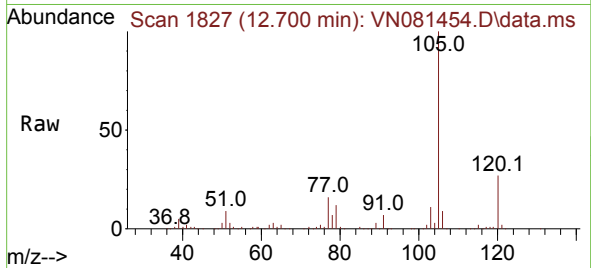




#73  
Isopropylbenzene  
Concen: 20.214 ug/l  
RT: 12.700 min Scan# 1827  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

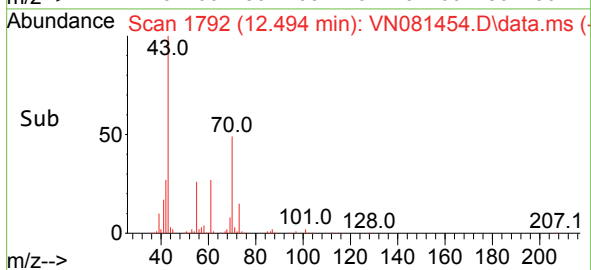
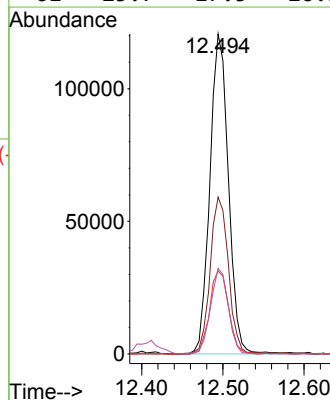
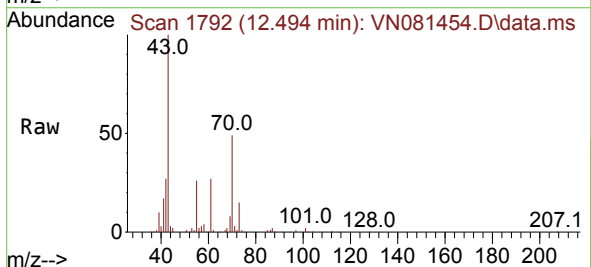
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MSVOA\_N  
ClientSampleId :  
VSTDIC020

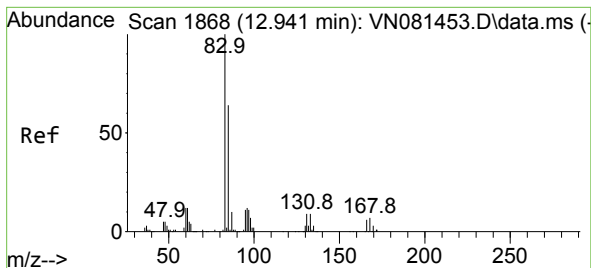
Tgt Ion:105 Resp: 538474  
Ion Ratio Lower Upper  
105 100  
120 26.6 12.6 37.6



#74  
N-ethyl acetate  
Concen: 19.826 ug/l  
RT: 12.494 min Scan# 1792  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion: 43 Resp: 191128  
Ion Ratio Lower Upper  
43 100  
70 48.4 30.1 45.1#  
55 26.5 17.0 25.4#  
61 25.7 17.5 26.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.839 ug/l

RT: 12.941 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VN081454.D

Acq: 18 Mar 2024 16:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

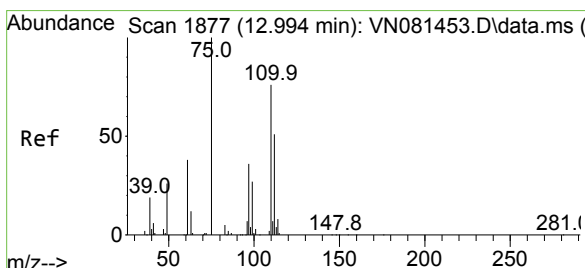
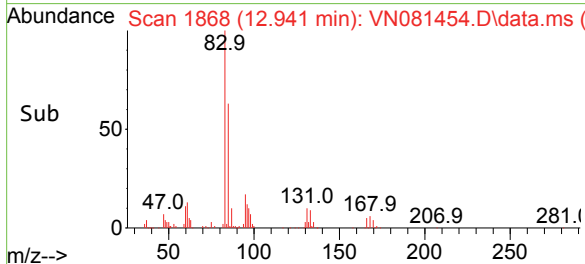
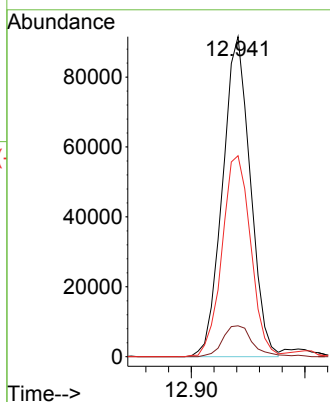
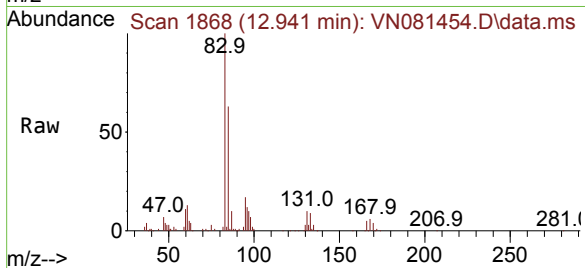
Tgt Ion: 83 Resp: 155383

Ion Ratio Lower Upper

83 100

131 10.5 4.1 12.3

85 64.9 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 28.329 ug/l

RT: 13.000 min Scan# 1878

Delta R.T. 0.006 min

Lab File: VN081454.D

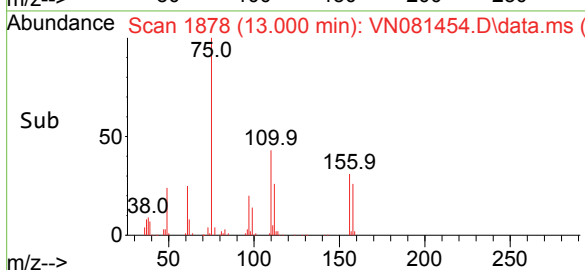
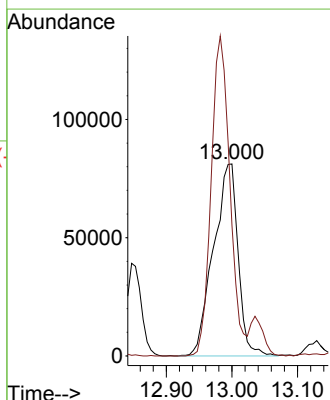
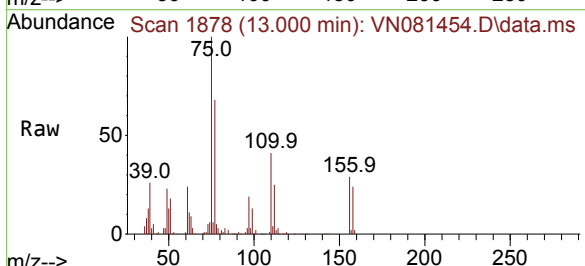
Acq: 18 Mar 2024 16:51

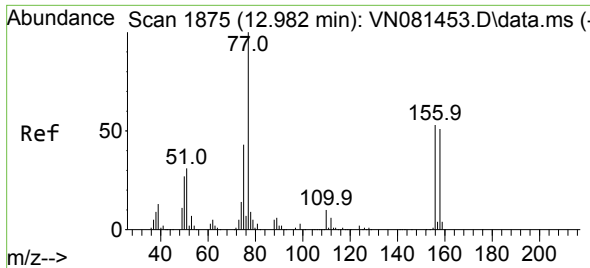
Tgt Ion: 75 Resp: 211282

Ion Ratio Lower Upper

75 100

77 127.3 91.0 272.8

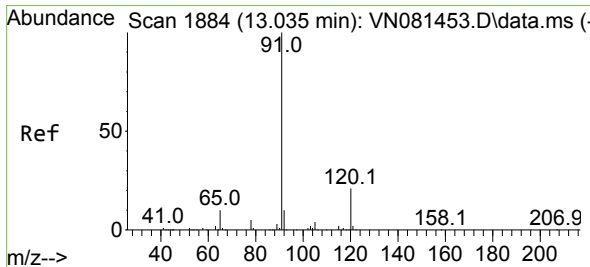
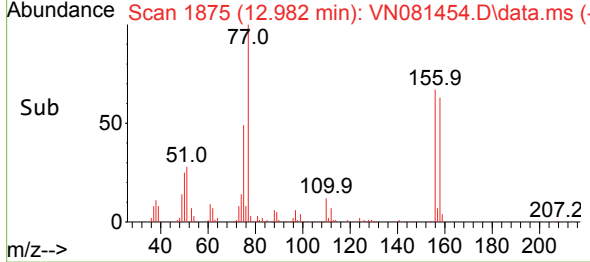
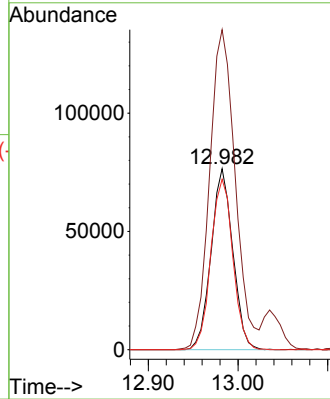
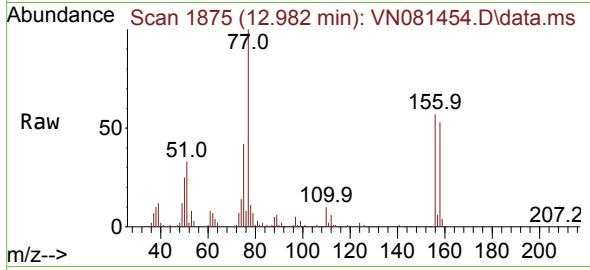




#77  
Bromobenzene  
Concen: 19.553 ug/l  
RT: 12.982 min Scan# 1875  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

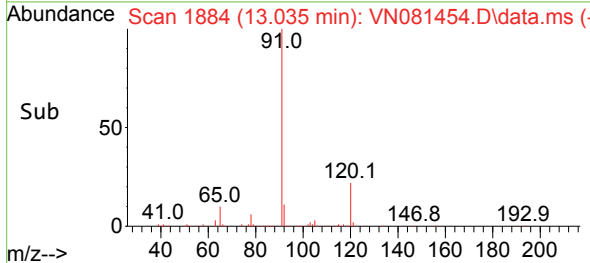
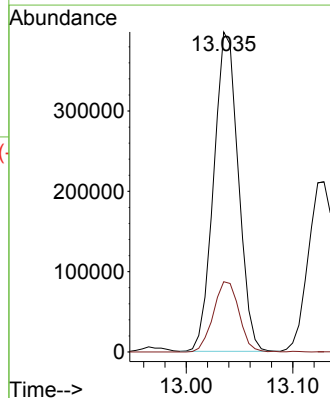
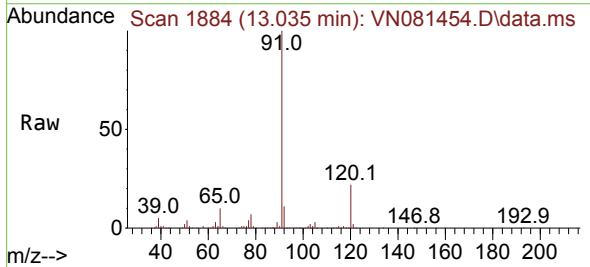
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

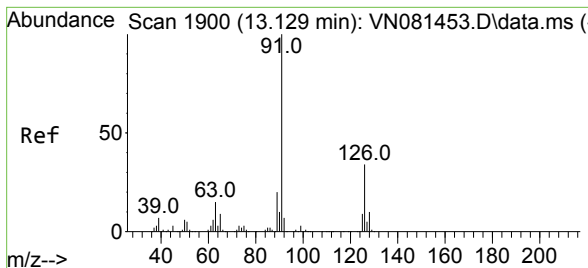
Tgt Ion:156 Resp: 128666  
Ion Ratio Lower Upper  
156 100  
77 209.0 138.1 414.3  
158 95.4 46.5 139.5



#78  
n-propylbenzene  
Concen: 20.248 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion: 91 Resp: 636966  
Ion Ratio Lower Upper  
91 100  
120 23.0 10.3 30.9





#79

2-Chlorotoluene

Concen: 19.896 ug/l

RT: 13.129 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VN081454.D

Acq: 18 Mar 2024 16:51

Instrument :

MSVOA\_N

ClientSampleId :

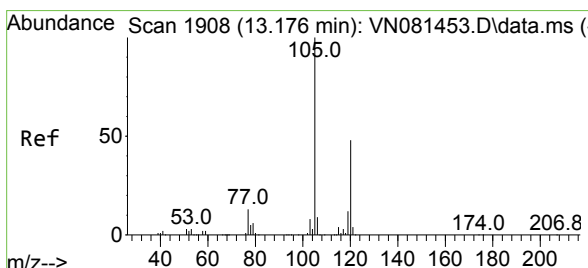
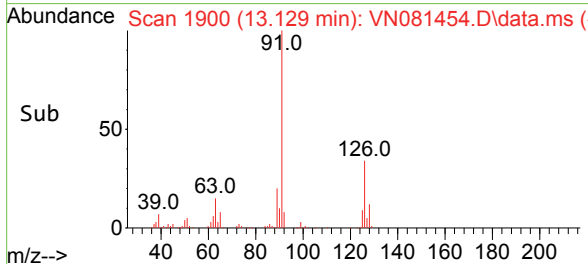
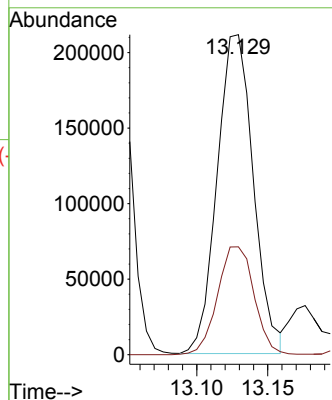
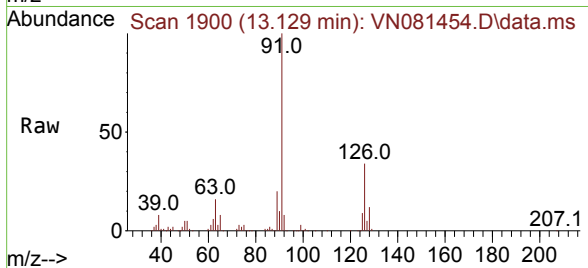
VSTDIC020

Tgt Ion: 91 Resp: 374601

Ion Ratio Lower Upper

91 100

126 34.2 14.8 44.4



#80

1,3,5-Trimethylbenzene

Concen: 20.893 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN081454.D

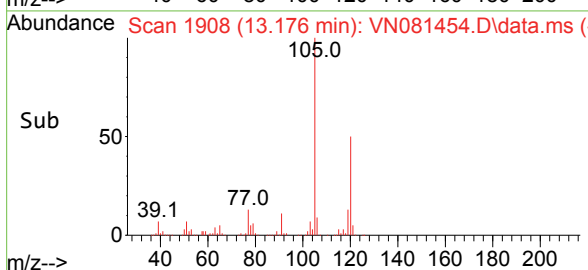
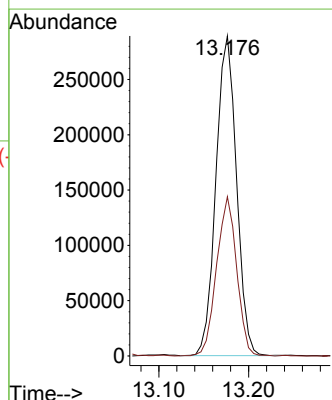
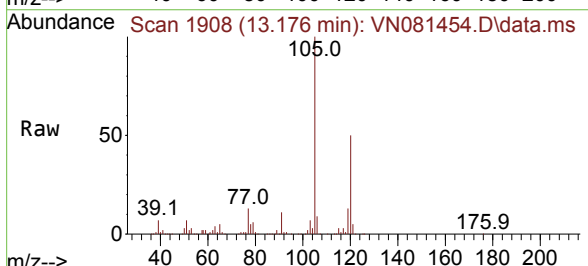
Acq: 18 Mar 2024 16:51

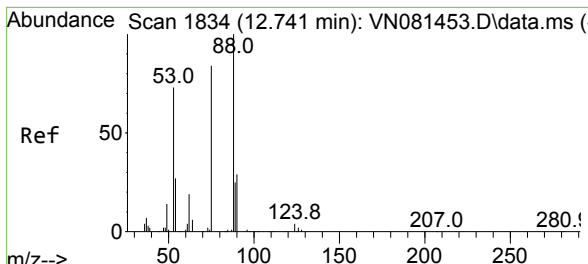
Tgt Ion: 105 Resp: 459690

Ion Ratio Lower Upper

105 100

120 48.8 23.0 69.0

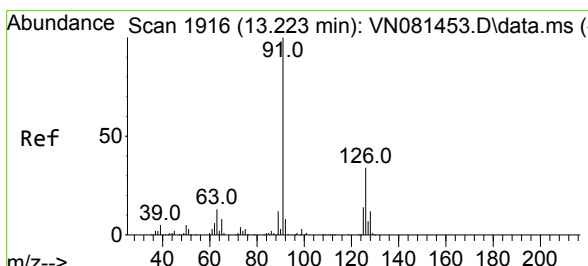
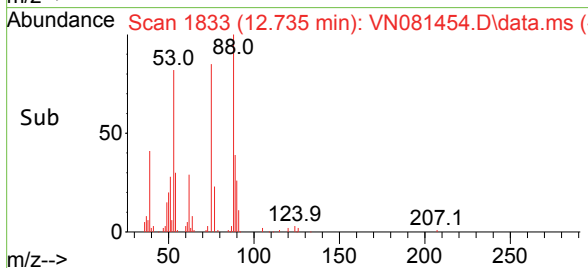
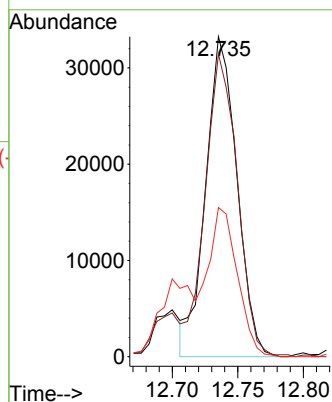
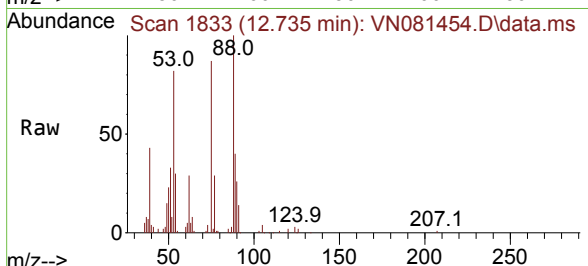




#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.912 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. -0.006 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

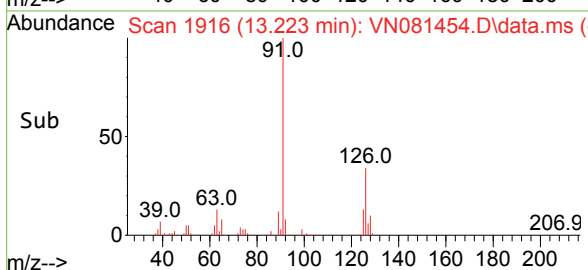
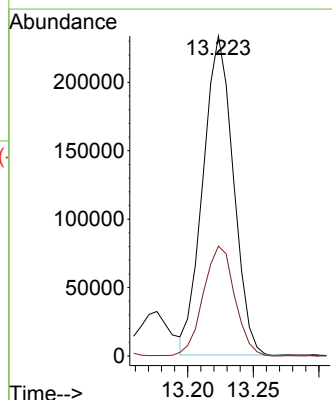
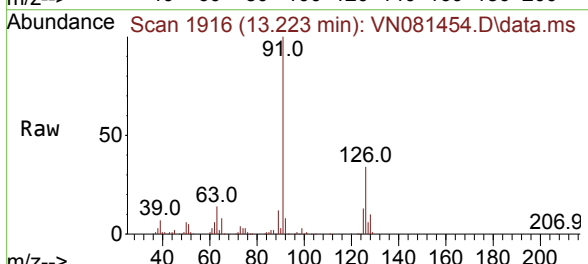
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

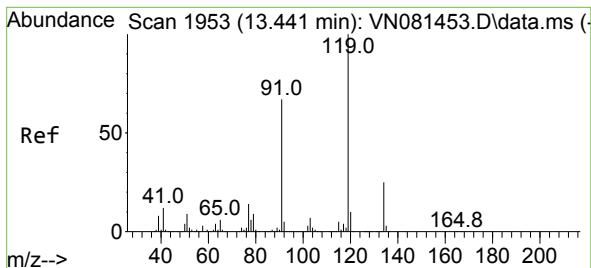
Tgt Ion: 75 Resp: 55081  
Ion Ratio Lower Upper  
75 100  
53 97.8 71.4 107.2  
89 44.2 33.4 50.0



#82  
4-Chlorotoluene  
Concen: 20.243 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion: 91 Resp: 375774  
Ion Ratio Lower Upper  
91 100  
126 35.7 15.3 45.9

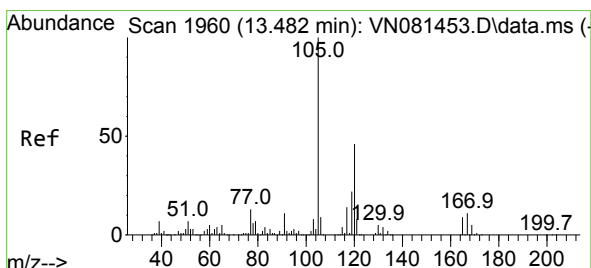
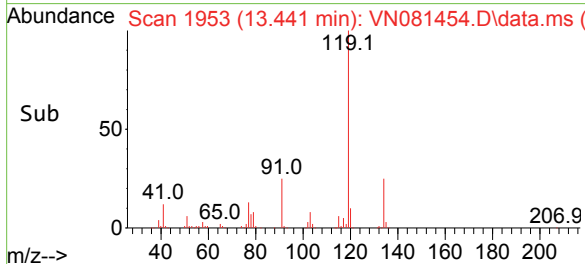
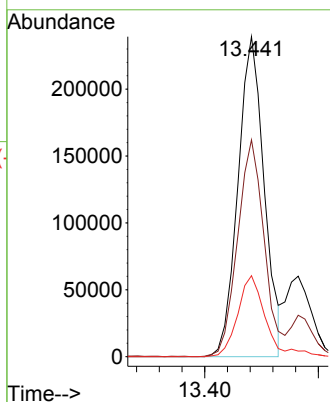
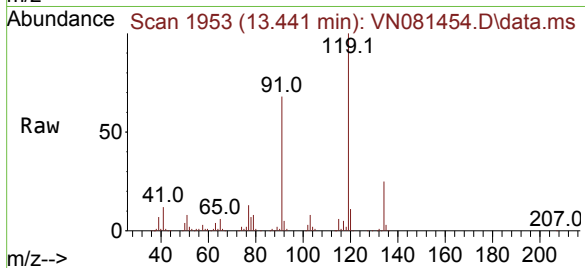




#83  
tert-Butylbenzene  
Concen: 20.195 ug/l  
RT: 13.441 min Scan# 1953  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

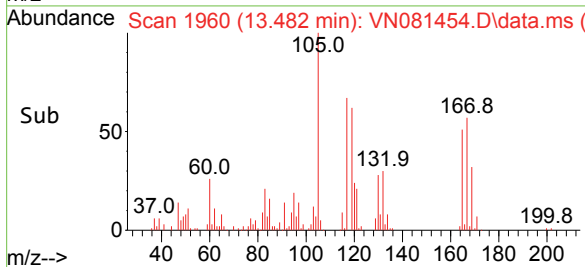
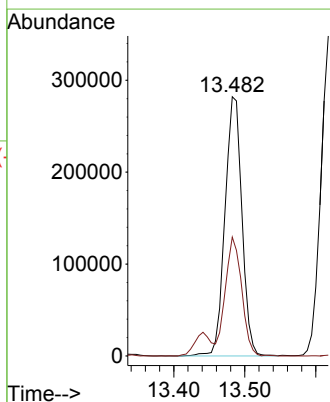
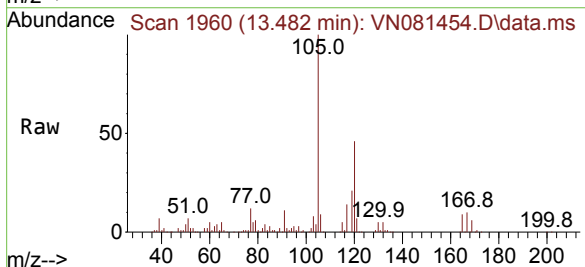
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

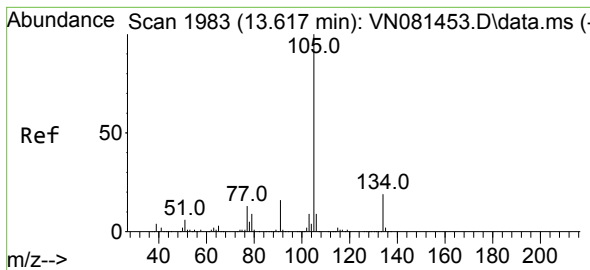
Tgt Ion:119 Resp: 383160  
Ion Ratio Lower Upper  
119 100  
91 69.2 36.8 110.4  
134 27.1 12.4 37.4



#84  
1,2,4-Trimethylbenzene  
Concen: 21.160 ug/l  
RT: 13.482 min Scan# 1960  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion:105 Resp: 467932  
Ion Ratio Lower Upper  
105 100  
120 44.1 20.9 62.7





#85

sec-Butylbenzene

Concen: 20.333 ug/l

RT: 13.618 min Scan# 1983

Delta R.T. 0.000 min

Lab File: VN081454.D

Acq: 18 Mar 2024 16:51

Instrument :

MSVOA\_N

ClientSampleId :

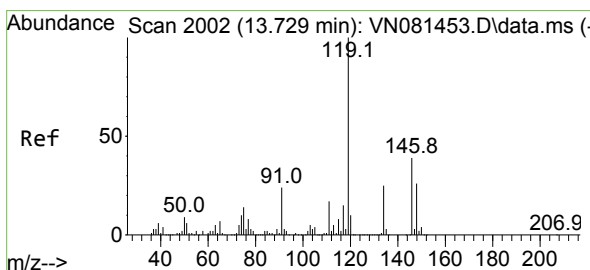
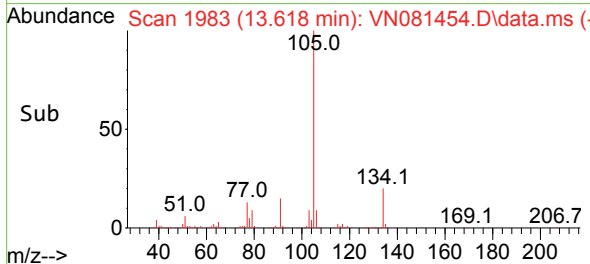
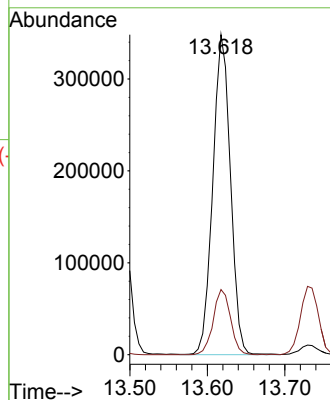
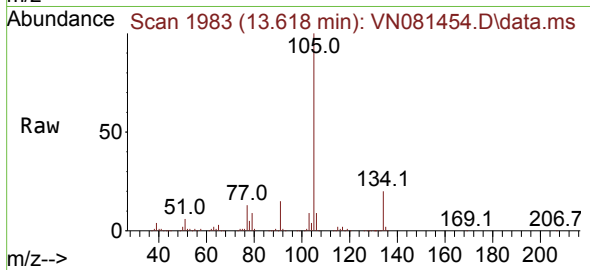
VSTDICC020

Tgt Ion:105 Resp: 551478

Ion Ratio Lower Upper

105 100

134 20.0 8.6 25.8



#86

p-Isopropyltoluene

Concen: 21.105 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN081454.D

Acq: 18 Mar 2024 16:51

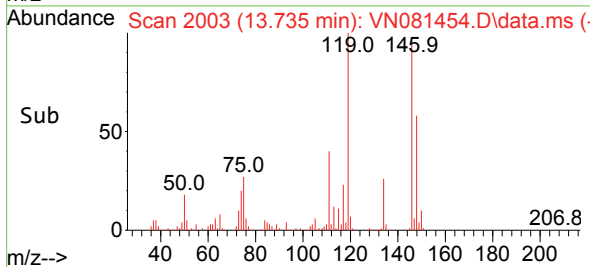
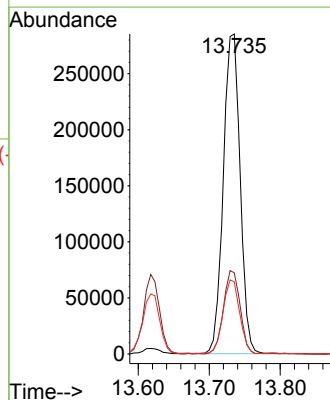
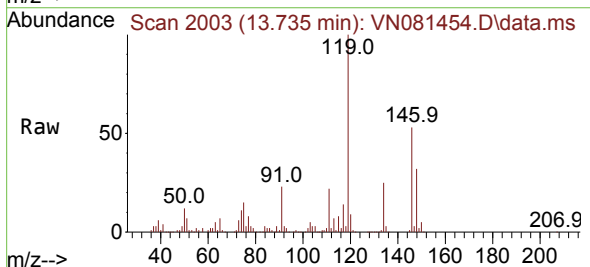
Tgt Ion:119 Resp: 467926

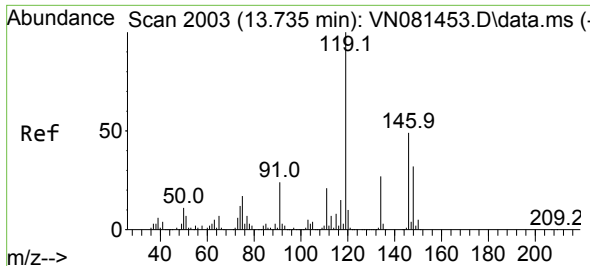
Ion Ratio Lower Upper

119 100

134 26.0 12.4 37.2

91 23.1 13.5 40.4

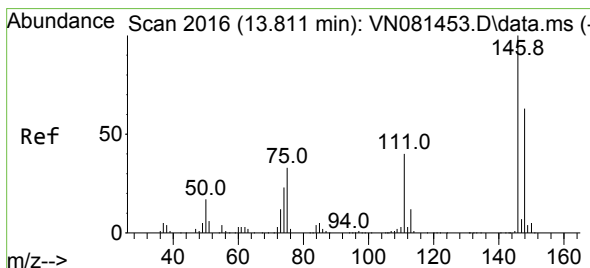
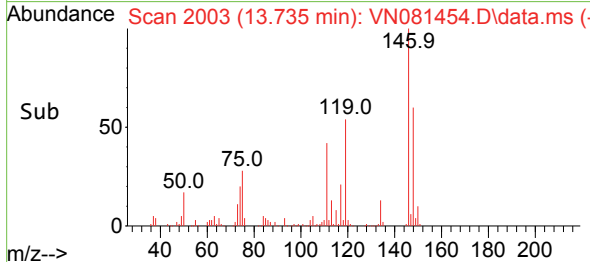
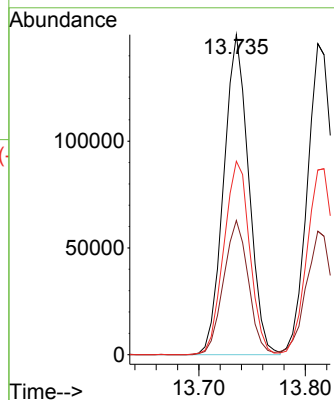
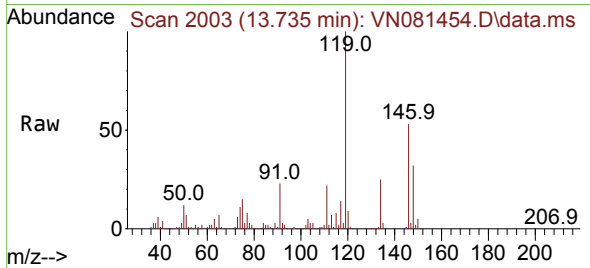




#87  
 1,3-Dichlorobenzene  
 Concen: 20.218 ug/l  
 RT: 13.735 min Scan# 2003  
 Delta R.T. 0.000 min  
 Lab File: VN081454.D  
 Acq: 18 Mar 2024 16:51

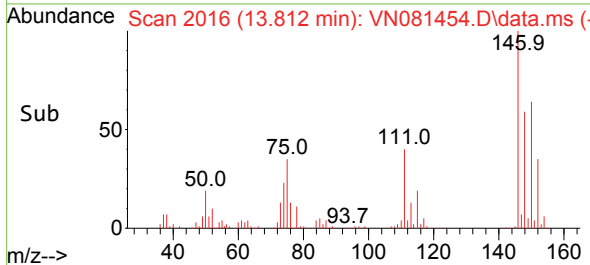
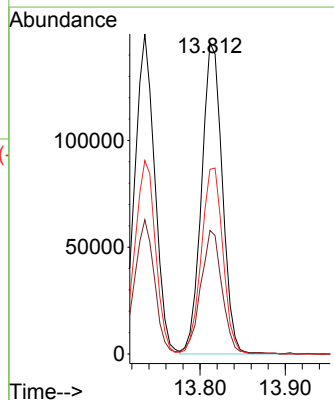
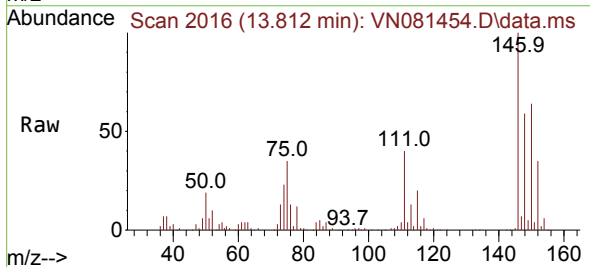
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

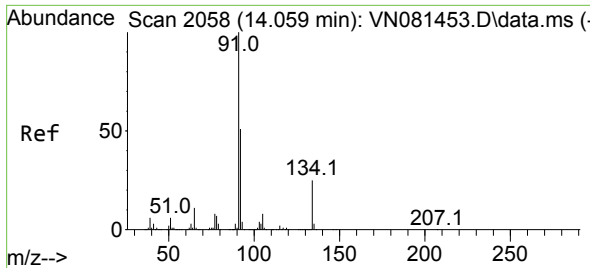
Tgt Ion:146 Resp: 244441  
 Ion Ratio Lower Upper  
 146 100  
 111 41.6 23.9 71.7  
 148 62.5 32.6 97.7



#88  
 1,4-Dichlorobenzene  
 Concen: 19.658 ug/l  
 RT: 13.812 min Scan# 2016  
 Delta R.T. 0.000 min  
 Lab File: VN081454.D  
 Acq: 18 Mar 2024 16:51

Tgt Ion:146 Resp: 246094  
 Ion Ratio Lower Upper  
 146 100  
 111 40.2 22.6 67.7  
 148 62.0 31.9 95.5

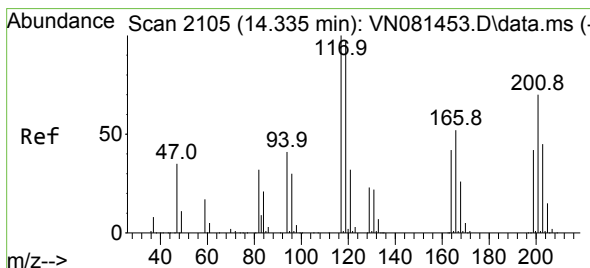
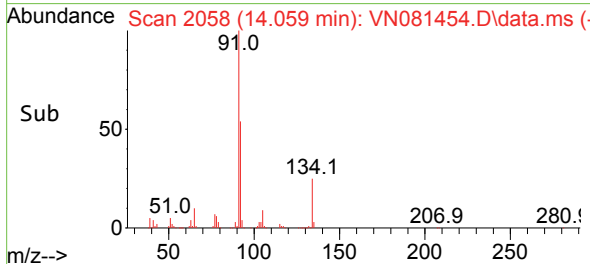
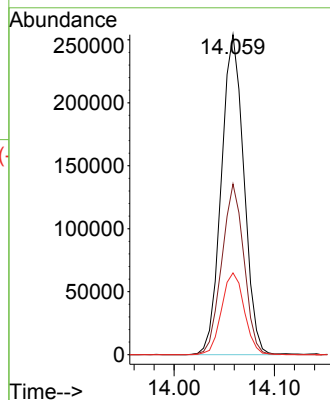
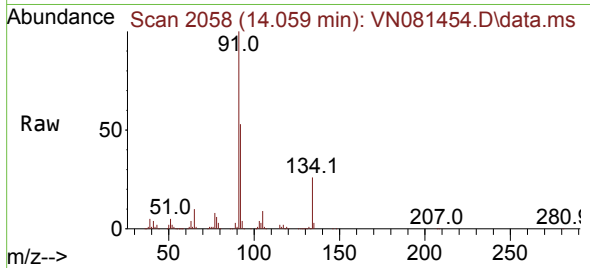




#89  
n-Butylbenzene  
Concen: 20.162 ug/l  
RT: 14.059 min Scan# 2058  
Delta R.T. 0.000 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

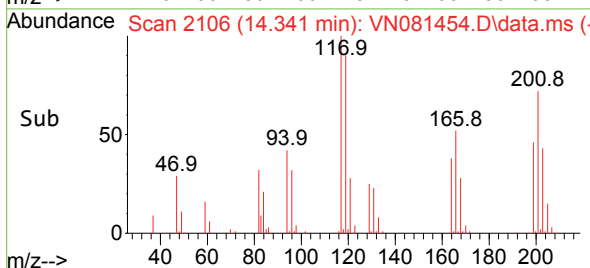
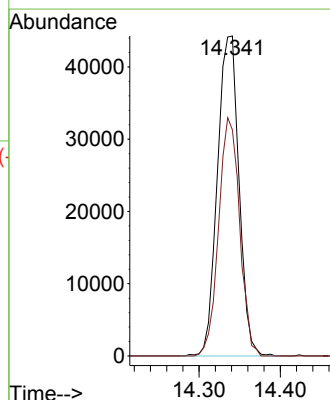
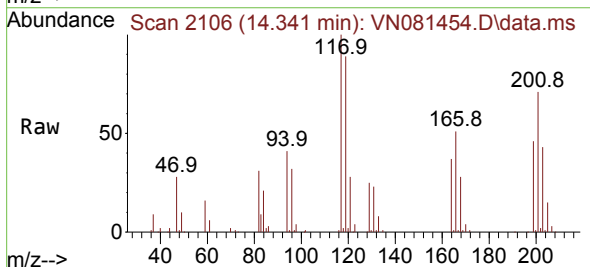
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MSVOA\_N  
ClientSampleId :  
VSTDICC020

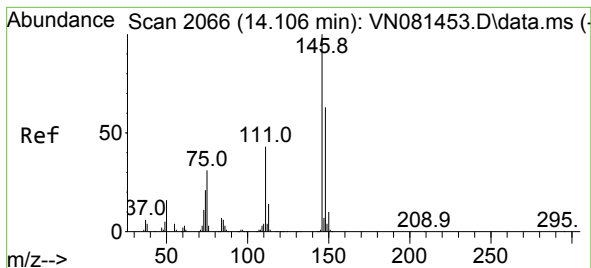
Tgt Ion: 91 Resp: 396392  
Ion Ratio Lower Upper  
91 100  
92 52.6 26.7 80.1  
134 25.8 10.8 32.4



#90  
Hexachloroethane  
Concen: 19.519 ug/l  
RT: 14.341 min Scan# 2106  
Delta R.T. 0.006 min  
Lab File: VN081454.D  
Acq: 18 Mar 2024 16:51

Tgt Ion: 117 Resp: 81960  
Ion Ratio Lower Upper  
117 100  
201 72.3 30.0 90.0





#91

1,2-Dichlorobenzene

Concen: 19.986 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VN081454.D

Acq: 18 Mar 2024 16:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

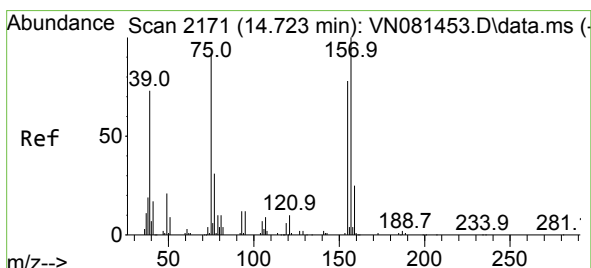
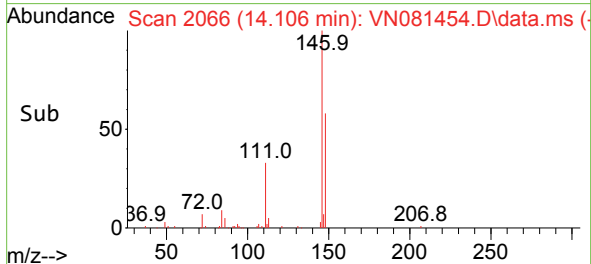
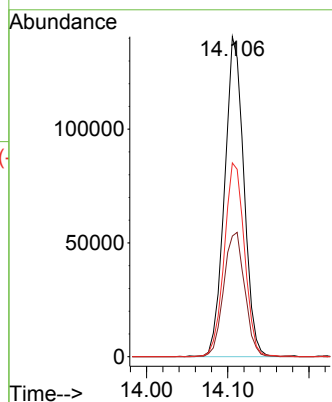
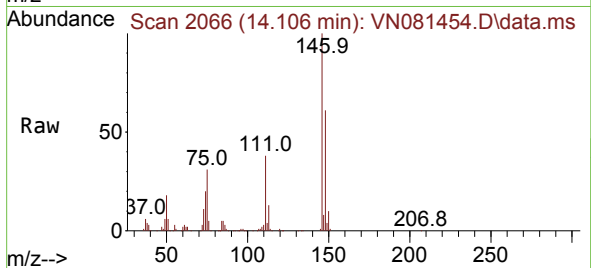
Tgt Ion:146 Resp: 232568

Ion Ratio Lower Upper

146 100

111 42.2 23.9 71.8

148 63.7 31.4 94.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.988 ug/l

RT: 14.723 min Scan# 2171

Delta R.T. 0.000 min

Lab File: VN081454.D

Acq: 18 Mar 2024 16:51

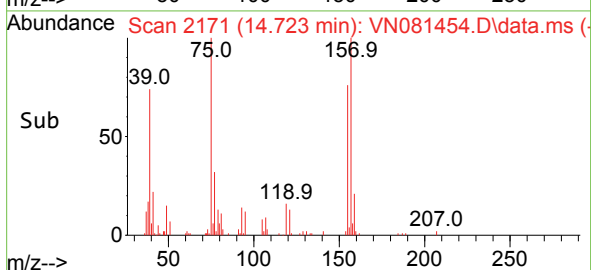
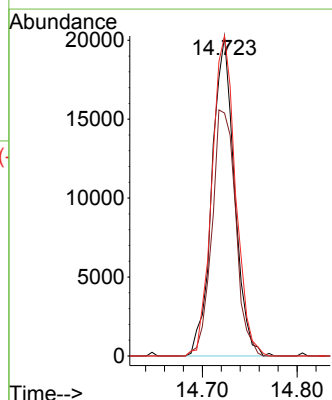
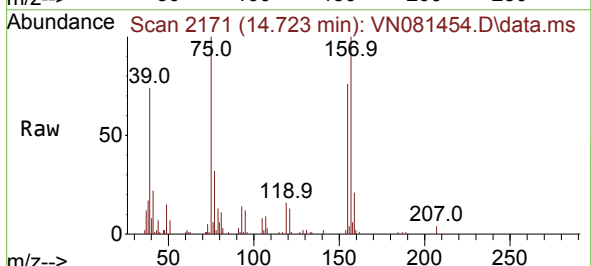
Tgt Ion: 75 Resp: 33316

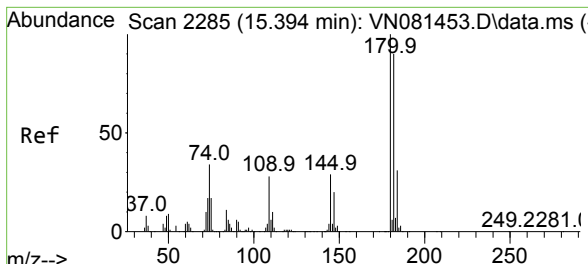
Ion Ratio Lower Upper

75 100

155 81.3 31.8 95.4

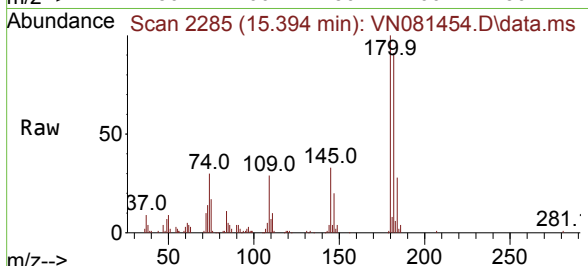
157 105.3 41.1 123.4



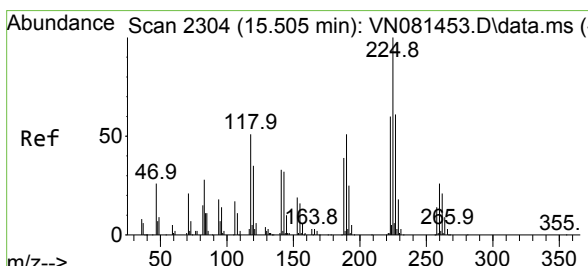
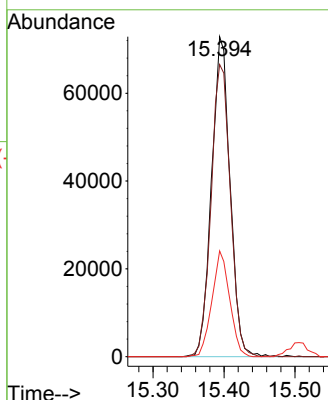
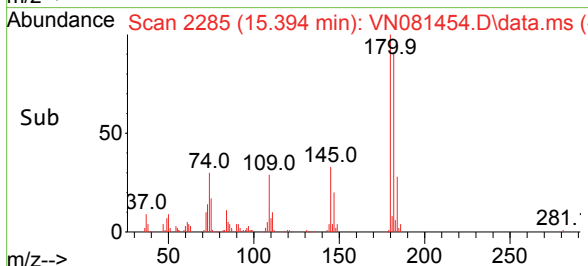


#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.573 ug/l  
 RT: 15.394 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VN081454.D  
 Acq: 18 Mar 2024 16:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

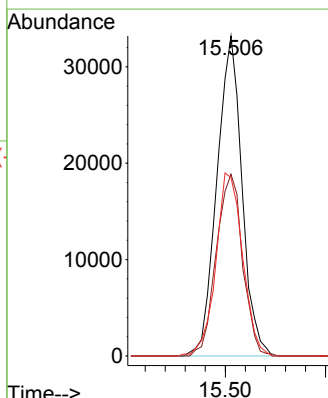
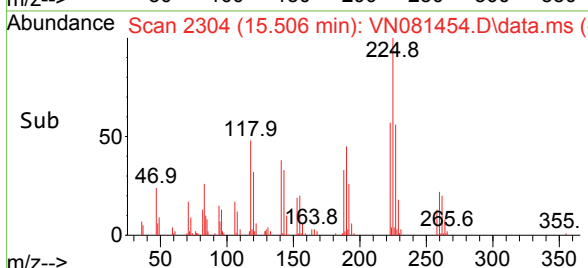
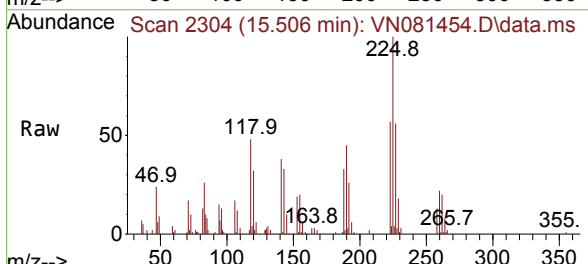


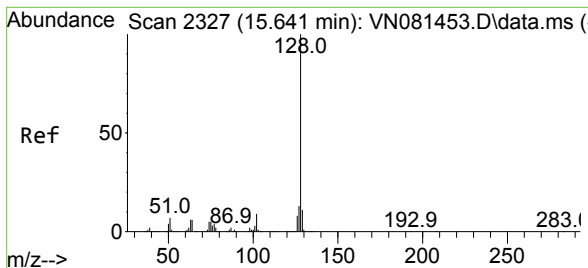
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 131699 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.2  | 46.6  | 139.7  |
| 145       | 31.7  | 16.8  | 50.3   |



#94  
 Hexachlorobutadiene  
 Concen: 19.491 ug/l  
 RT: 15.506 min Scan# 2304  
 Delta R.T. 0.000 min  
 Lab File: VN081454.D  
 Acq: 18 Mar 2024 16:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 57541 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 59.6  | 33.3  | 99.8  |
| 227       | 61.0  | 33.1  | 99.2  |





#95

Naphthalene

Concen: 20.087 ug/l

RT: 15.647 min Scan# 2327

Delta R.T. 0.006 min

Lab File: VN081454.D

Acq: 18 Mar 2024 16:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

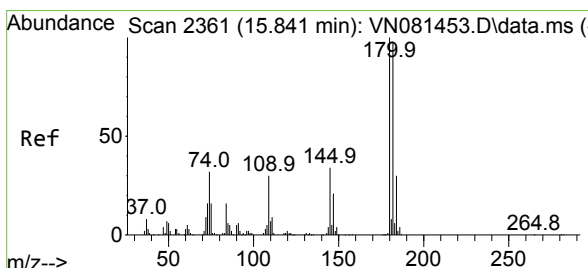
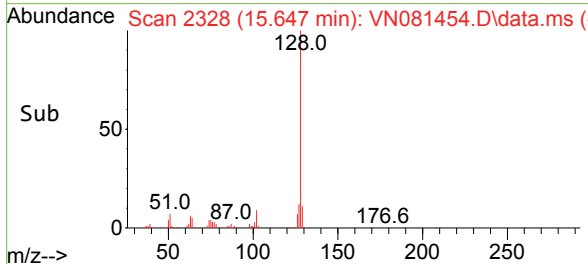
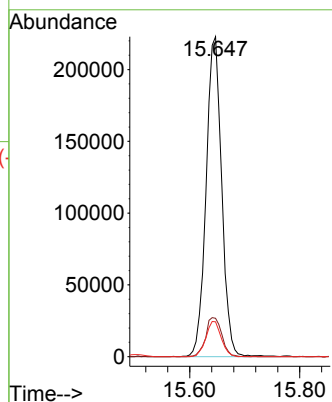
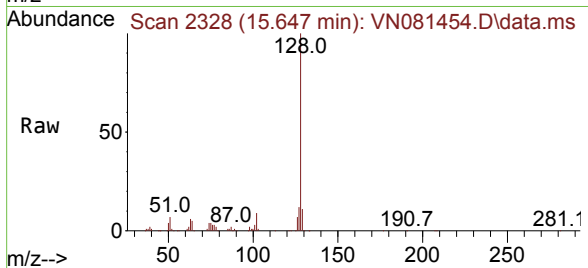
Tgt Ion:128 Resp: 437946

Ion Ratio Lower Upper

128 100

127 12.7 10.0 15.0

129 10.9 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 19.417 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. 0.006 min

Lab File: VN081454.D

Acq: 18 Mar 2024 16:51

Tgt Ion:180 Resp: 131412

Ion Ratio Lower Upper

180 100

182 94.6 46.5 139.3

145 33.8 17.8 53.4

