

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011923\  
 Data File : VN076332.D  
 Acq On : 19 Jan 2023 18:55  
 Operator : JC\MD  
 Sample : VN0119MBS01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0119MBS01

Quant Time: Jan 20 01:01:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011623W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 03:59:22 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.229  | 168  | 358096   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 583009   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.870 | 117  | 505479   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 231521   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.588  | 65    | 192737   | 48.070   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 96.140% |
| 35) Dibromofluoromethane    | 8.177  | 113   | 175898   | 48.231   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 96.460% |
| 50) Toluene-d8              | 10.571 | 98    | 654595   | 48.601   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 97.200% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 218768   | 49.755   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 99.520% |

|                              |       |     |        |        |      |     |
|------------------------------|-------|-----|--------|--------|------|-----|
| Target Compounds             |       |     |        | Qvalue |      |     |
| 2) Dichlorodifluoromethane   | 2.142 | 85  | 68734  | 18.731 | ug/l | 92  |
| 3) Chloromethane             | 2.377 | 50  | 70250  | 18.490 | ug/l | 98  |
| 4) Vinyl Chloride            | 2.530 | 62  | 88621  | 19.022 | ug/l | 99  |
| 5) Bromomethane              | 2.965 | 94  | 77087  | 20.205 | ug/l | 99  |
| 6) Chloroethane              | 3.136 | 64  | 68432  | 19.589 | ug/l | 96  |
| 7) Trichlorofluoromethane    | 3.512 | 101 | 117778 | 18.376 | ug/l | 100 |
| 8) Diethyl Ether             | 3.971 | 74  | 41600  | 19.351 | ug/l | 99  |
| 9) 1,1,2-Trichlorotrifluo... | 4.389 | 101 | 67105  | 18.495 | ug/l | 100 |
| 10) Methyl Iodide            | 4.606 | 142 | 103804 | 18.730 | ug/l | 99  |
| 11) Tert butyl alcohol       | 5.541 | 59  | 51098  | 95.278 | ug/l | 100 |
| 12) 1,1-Dichloroethene       | 4.353 | 96  | 63432  | 18.494 | ug/l | 92  |
| 13) Acrolein                 | 4.194 | 56  | 56673  | 88.363 | ug/l | 100 |
| 14) Allyl chloride           | 5.036 | 41  | 78812  | 19.718 | ug/l | 92  |
| 15) Acrylonitrile            | 5.736 | 53  | 146532 | 96.014 | ug/l | 99  |
| 16) Acetone                  | 4.442 | 43  | 115416 | 89.747 | ug/l | 95  |
| 17) Carbon Disulfide         | 4.730 | 76  | 141068 | 16.518 | ug/l | 97  |
| 18) Methyl Acetate           | 5.036 | 43  | 78859  | 18.104 | ug/l | 100 |
| 19) Methyl tert-butyl Ether  | 5.806 | 73  | 221384 | 19.826 | ug/l | 99  |
| 20) Methylene Chloride       | 5.289 | 84  | 80149  | 20.720 | ug/l | 99  |
| 21) trans-1,2-Dichloroethene | 5.800 | 96  | 67124  | 18.065 | ug/l | 97  |
| 22) Diisopropyl ether        | 6.688 | 45  | 180820 | 19.183 | ug/l | 97  |
| 23) Vinyl Acetate            | 6.618 | 43  | 577418 | 94.784 | ug/l | 100 |
| 24) 1,1-Dichloroethane       | 6.583 | 63  | 118640 | 18.882 | ug/l | 96  |
| 25) 2-Butanone               | 7.494 | 43  | 178752 | 91.056 | ug/l | 95  |
| 26) 2,2-Dichloropropane      | 7.500 | 77  | 93390  | 17.635 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene   | 7.500 | 96  | 81397  | 18.782 | ug/l | 98  |
| 28) Bromochloromethane       | 7.824 | 49  | 49077  | 19.271 | ug/l | 97  |
| 29) Tetrahydrofuran          | 7.847 | 42  | 117190 | 96.724 | ug/l | 99  |
| 30) Chloroform               | 7.971 | 83  | 133359 | 19.182 | ug/l | 98  |
| 31) Cyclohexane              | 8.265 | 56  | 107480 | 17.450 | ug/l | 96  |
| 32) 1,1,1-Trichloroethane    | 8.171 | 97  | 120846 | 19.039 | ug/l | 91  |
| 36) 1,1-Dichloropropene      | 8.382 | 75  | 92745  | 17.897 | ug/l | 99  |
| 37) Ethyl Acetate            | 7.571 | 43  | 75830  | 18.266 | ug/l | 97  |
| 38) Carbon Tetrachloride     | 8.371 | 117 | 103616 | 17.930 | ug/l | 94  |
| 39) Methylcyclohexane        | 9.606 | 83  | 117517 | 18.570 | ug/l | 100 |
| 40) Benzene                  | 8.612 | 78  | 290593 | 18.753 | ug/l | 99  |

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 Sample : VN0119MBS01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0119MBS01

Quant Time: Jan 20 01:01:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011623W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 03:59:22 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.788  | 41   | 38969    | 17.905  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 95963    | 18.100  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.694  | 43   | 124381   | 18.394  | ug/l   | 98       |
| 44) Trichloroethene           | 9.359  | 130  | 80646    | 18.401  | ug/l   | 86       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 67376    | 18.161  | ug/l   | 97       |
| 46) Dibromomethane            | 9.712  | 93   | 51579    | 18.414  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.894  | 83   | 102637   | 18.892  | ug/l   | 95       |
| 48) Methyl methacrylate       | 9.682  | 41   | 58509    | 18.277  | ug/l   | 100      |
| 49) 1,4-Dioxane               | 9.700  | 88   | 26316    | 389.588 | ug/l # | 81       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 387786   | 97.690  | ug/l   | 99       |
| 52) Toluene                   | 10.635 | 92   | 188785   | 18.218  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 94498    | 18.246  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.318 | 75   | 109534   | 18.384  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 75029    | 18.942  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.876 | 69   | 101978   | 19.942  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 119568   | 18.576  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 144517   | 83.713  | ug/l   | 100      |
| 59) 2-Hexanone                | 11.200 | 43   | 270969   | 94.199  | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.365 | 129  | 81174    | 19.468  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.470 | 107  | 75278    | 19.040  | ug/l   | 100      |
| 64) Tetrachloroethene         | 11.106 | 164  | 87494    | 19.194  | ug/l   | 93       |
| 65) Chlorobenzene             | 11.894 | 112  | 201308   | 18.840  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 75335    | 18.949  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.965 | 91   | 358631   | 19.611  | ug/l   | 100      |
| 68) m/p-Xylenes               | 12.070 | 106  | 285202   | 38.893  | ug/l   | 99       |
| 69) o-Xylene                  | 12.400 | 106  | 140939   | 19.571  | ug/l   | 99       |
| 70) Styrene                   | 12.412 | 104  | 219795   | 19.115  | ug/l   | 98       |
| 71) Bromoform                 | 12.582 | 173  | 55117    | 19.198  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.700 | 105  | 368333   | 20.565  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.500 | 43   | 100050   | 19.420  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 99618    | 19.348  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 120455   | 28.145  | ug/l   | 86       |
| 77) Bromobenzene              | 12.982 | 156  | 86487    | 20.321  | ug/l   | 99       |
| 78) n-propylbenzene           | 13.041 | 91   | 402143   | 19.899  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 243052   | 19.599  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 306451   | 20.424  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 24400    | 17.535  | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 13.129 | 91   | 243052   | 19.599  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 279819   | 20.968  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 302678   | 20.117  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.617 | 105  | 370309   | 19.997  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.735 | 119  | 307388   | 20.186  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 155586   | 18.430  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.817 | 146  | 153857   | 19.222  | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.059 | 91   | 233556   | 19.321  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.335 | 117  | 51354    | 19.540  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 157817   | 18.770  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 16756    | 18.722  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 72911    | 18.783  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 39809    | 17.842  | ug/l   | 96       |
| 95) Naphthalene               | 15.641 | 128  | 209834   | 18.641  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 68678    | 18.479  | ug/l   | 99       |

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Sample : VN0119MBS01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 24 Sample Multiplier: 1

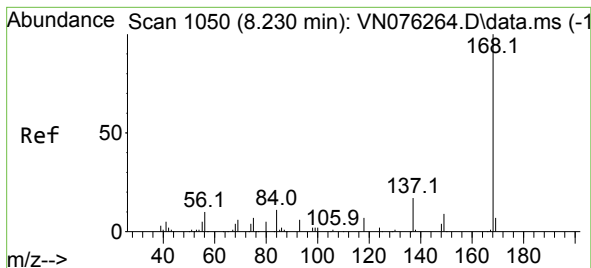
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0119MBS01

Quant Time: Jan 20 01:01:06 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011623W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 17 03:59:22 2023  
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: 8.229 min Scan# 10

Delta R.T. -0.001 min

Lab File: VN076332.D

Acq: 19 Jan 2023 18:55

Instrument :

MSVOA\_N

ClientSampleId :

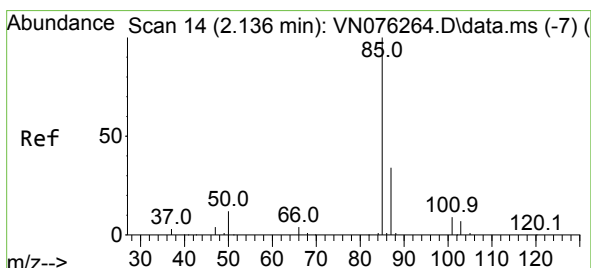
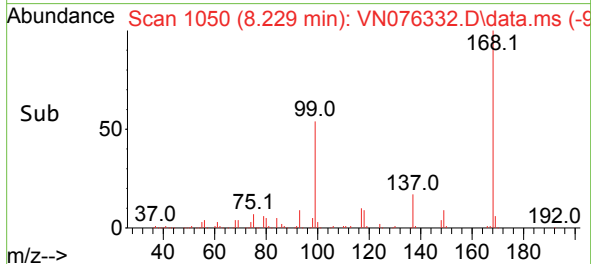
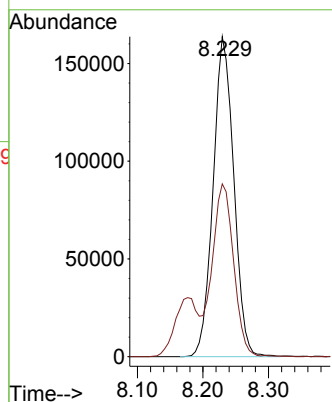
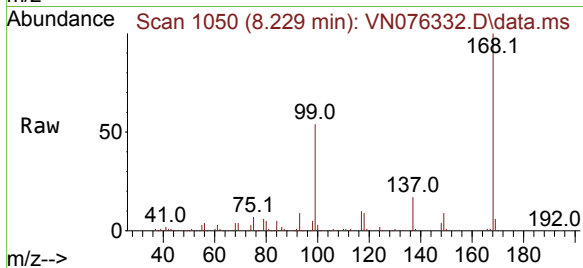
VN0119MBS01

Tgt Ion:168 Resp: 358096

Ion Ratio Lower Upper

168 100

99 53.8 41.6 62.4



#2

Dichlorodifluoromethane

Concen: 18.731 ug/l

RT: 2.142 min Scan# 15

Delta R.T. 0.006 min

Lab File: VN076332.D

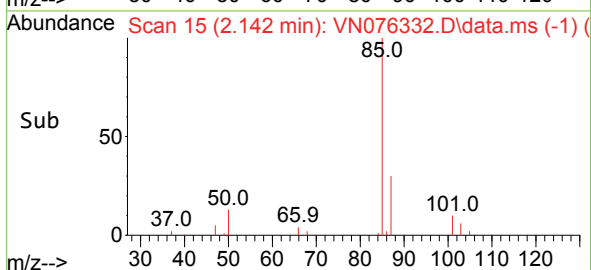
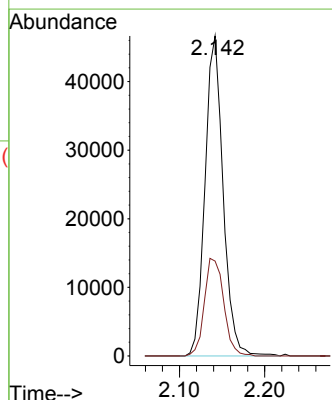
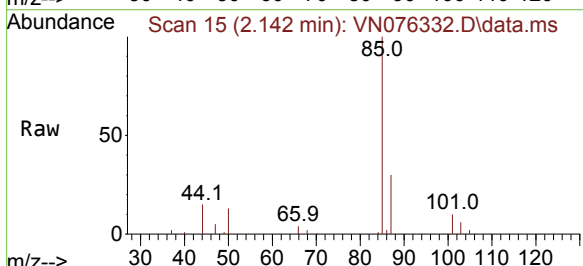
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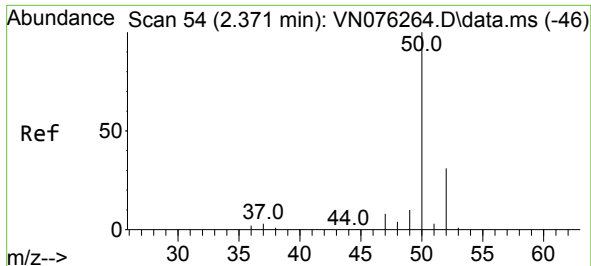
Tgt Ion: 85 Resp: 68734

Ion Ratio Lower Upper

85 100

87 29.7 17.1 51.2

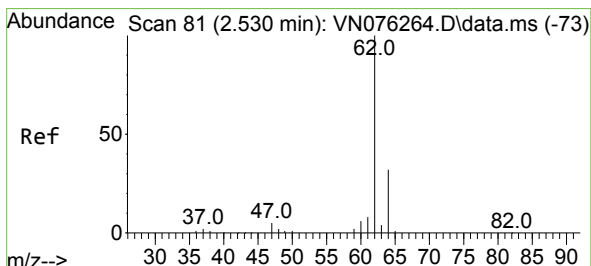
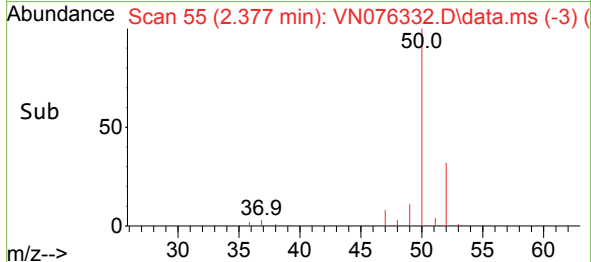
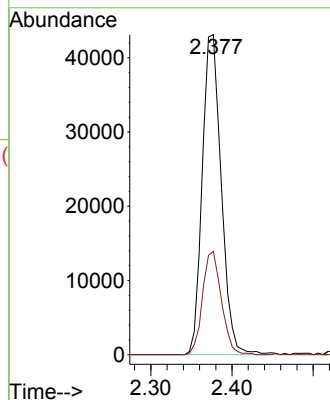
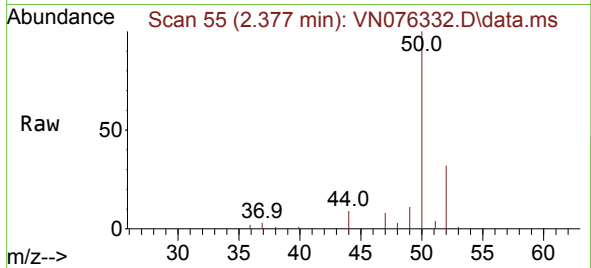




#3  
Chloromethane  
Concen: 18.490 ug/l  
RT: 2.377 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

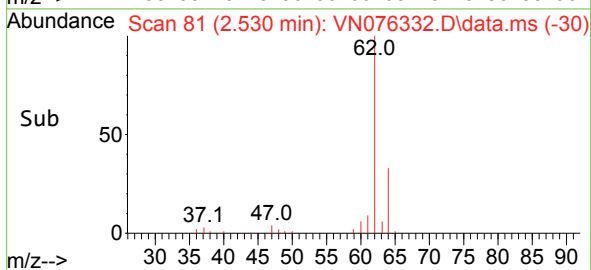
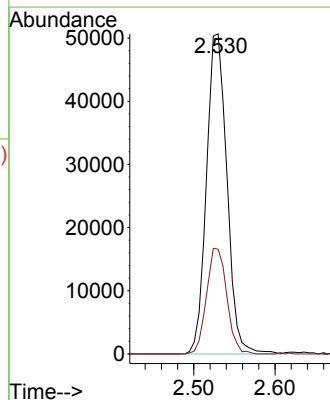
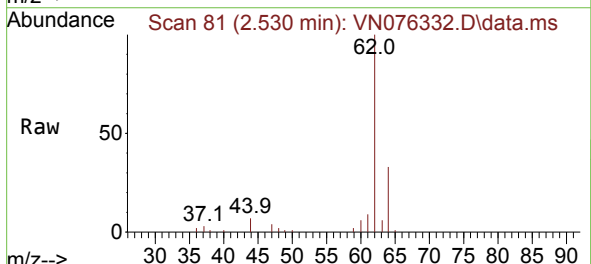
Instrument :  
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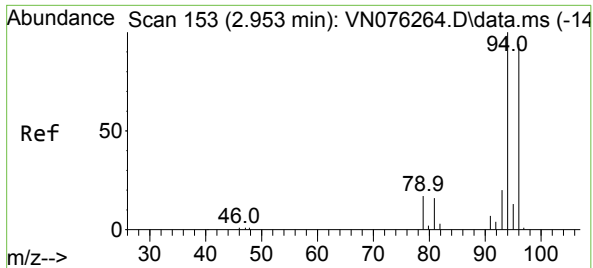
Tgt Ion: 50 Resp: 70250  
Ion Ratio Lower Upper  
50 100  
52 32.3 24.8 37.2



#4  
Vinyl Chloride  
Concen: 19.022 ug/l  
RT: 2.530 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

Tgt Ion: 62 Resp: 88621  
Ion Ratio Lower Upper  
62 100  
64 32.8 25.8 38.6

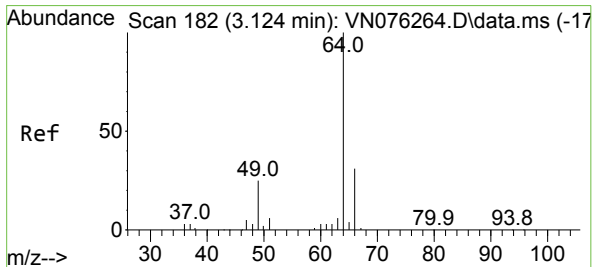
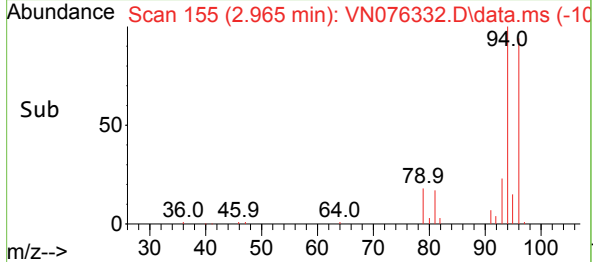
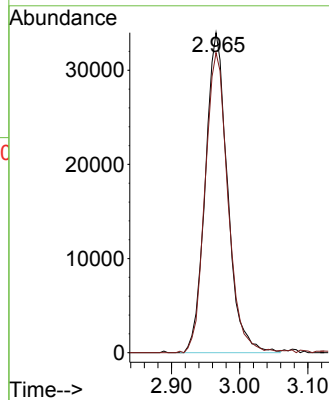
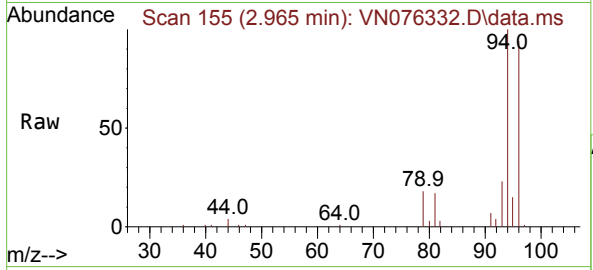




#5  
Bromomethane  
Concen: 20.205 ug/l  
RT: 2.965 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

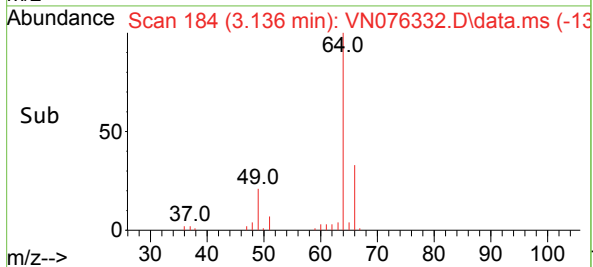
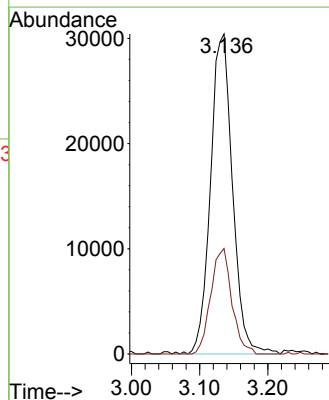
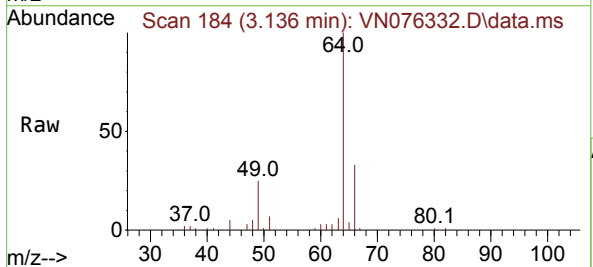
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0119MBS01

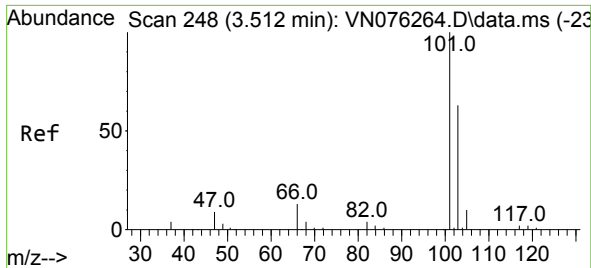
Tgt Ion: 94 Resp: 77087  
Ion Ratio Lower Upper  
94 100  
96 93.2 75.1 112.7



#6  
Chloroethane  
Concen: 19.589 ug/l  
RT: 3.136 min Scan# 184  
Delta R.T. 0.012 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

Tgt Ion: 64 Resp: 68432  
Ion Ratio Lower Upper  
64 100  
66 32.9 24.8 37.2

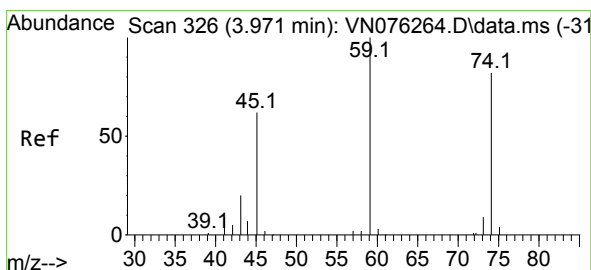
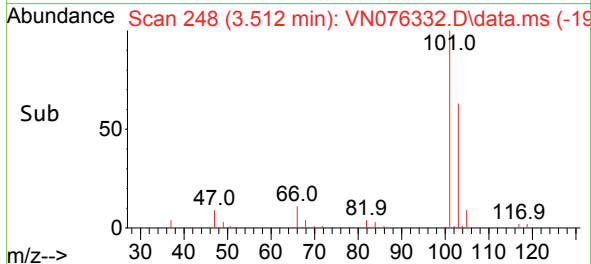
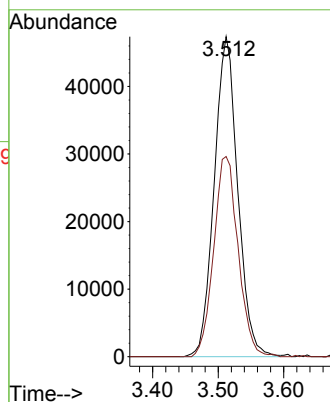
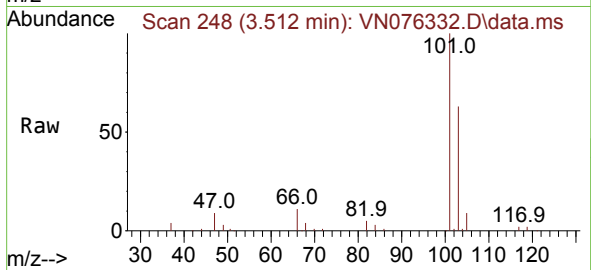




#7  
 Trichlorofluoromethane  
 Concen: 18.376 ug/l  
 RT: 3.512 min Scan# 248  
 Delta R.T. 0.000 min  
 Lab File: VN076332.D  
 Acq: 19 Jan 2023 18:55

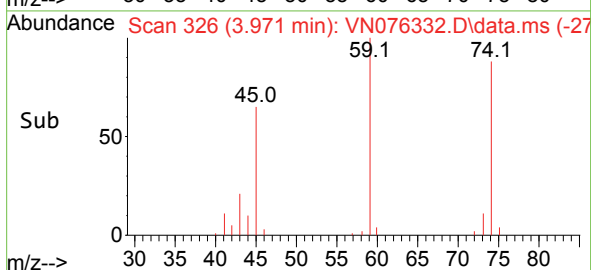
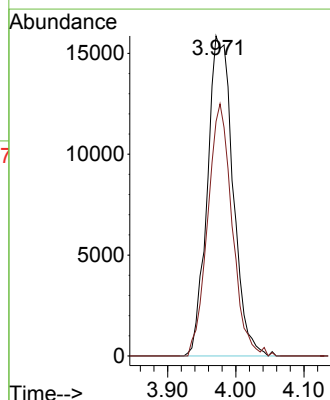
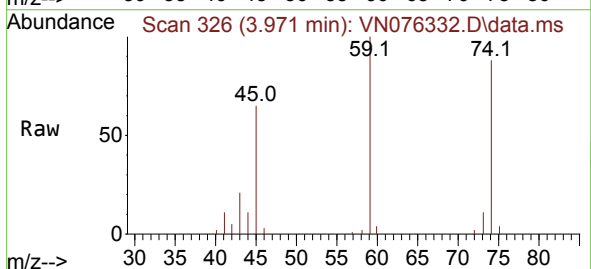
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0119MBS01

Tgt Ion:101 Resp: 117778  
 Ion Ratio Lower Upper  
 101 100  
 103 62.6 50.2 75.4

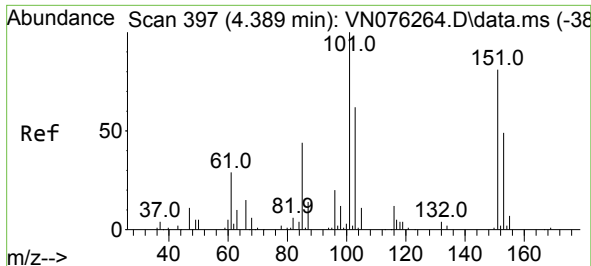


#8  
 Diethyl Ether  
 Concen: 19.351 ug/l  
 RT: 3.971 min Scan# 326  
 Delta R.T. -0.000 min  
 Lab File: VN076332.D  
 Acq: 19 Jan 2023 18:55

Tgt Ion: 74 Resp: 41600  
 Ion Ratio Lower Upper  
 74 100  
 45 75.0 37.8 113.3



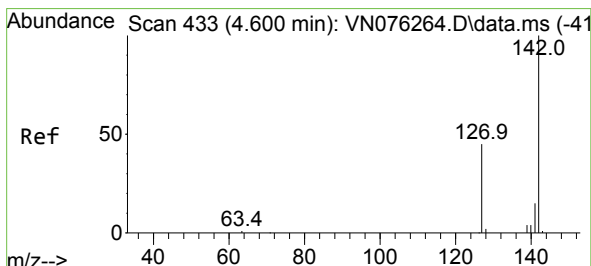
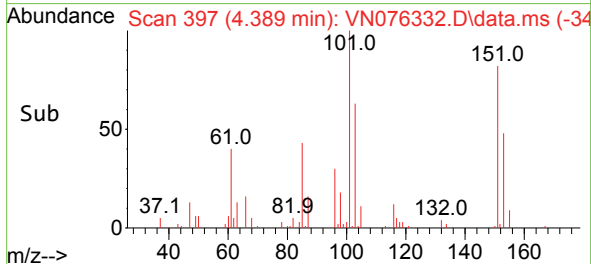
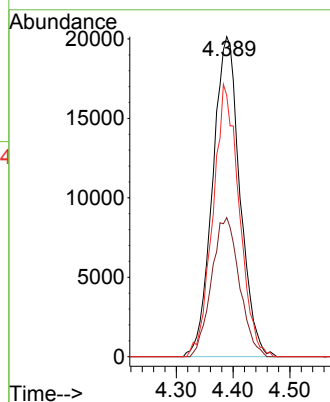
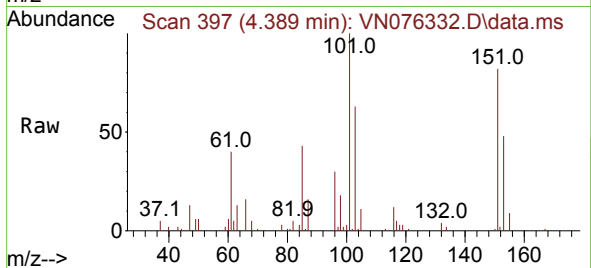




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 18.495 ug/l  
RT: 4.389 min Scan# 397  
Delta R.T. -0.000 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

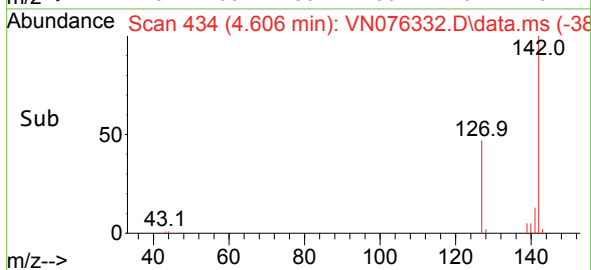
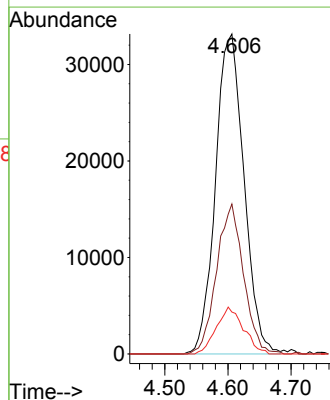
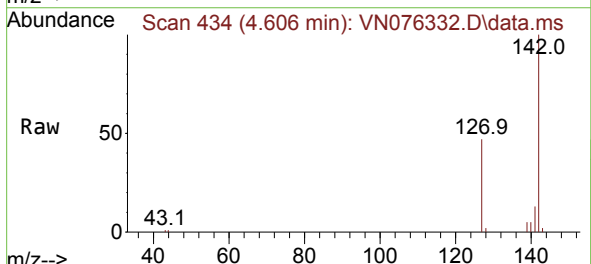
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0119MBS01

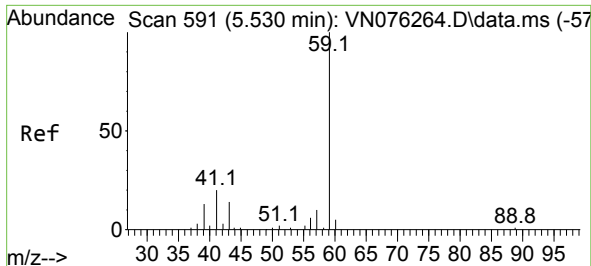
Tgt Ion:101 Resp: 67105  
Ion Ratio Lower Upper  
101 100  
85 44.4 35.5 53.3  
151 81.8 65.5 98.3



#10  
Methyl Iodide  
Concen: 18.730 ug/l  
RT: 4.606 min Scan# 434  
Delta R.T. 0.006 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

Tgt Ion:142 Resp: 103804  
Ion Ratio Lower Upper  
142 100  
127 44.4 35.0 52.4  
141 14.0 11.5 17.3

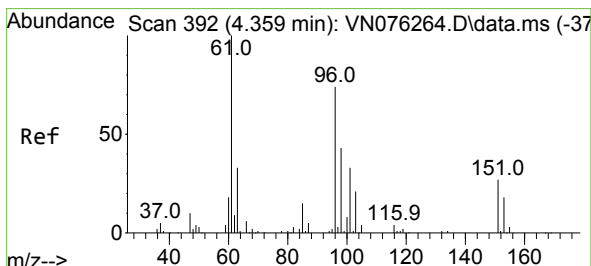
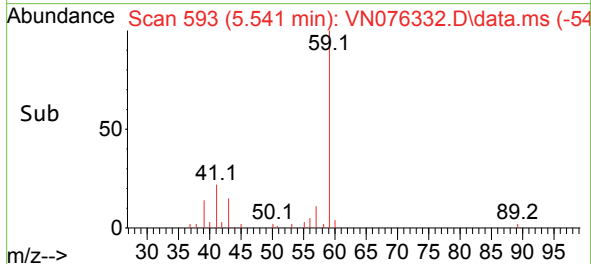
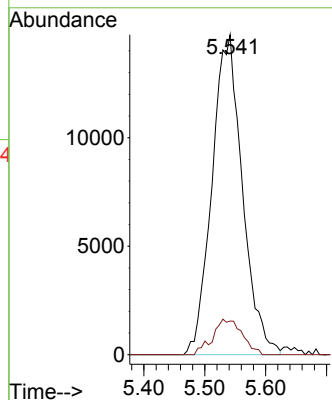
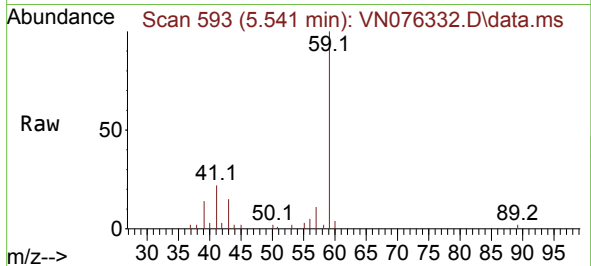




#11  
Tert butyl alcohol  
Concen: 95.278 ug/l  
RT: 5.541 min Scan# 591  
Delta R.T. 0.011 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

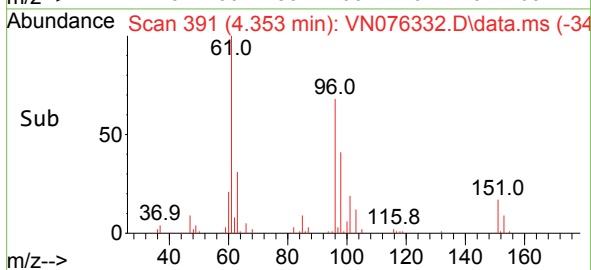
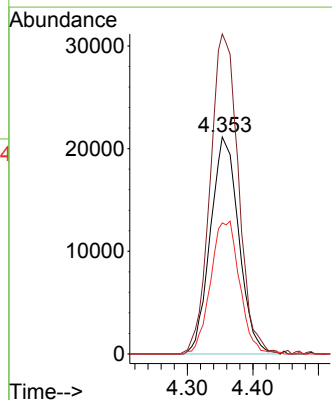
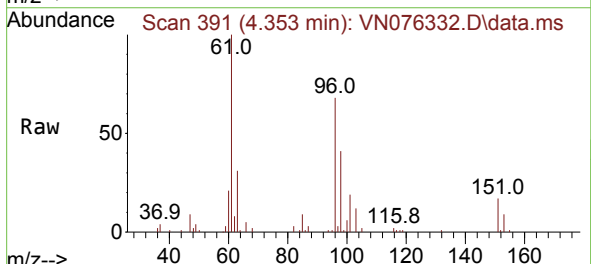
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0119MBS01

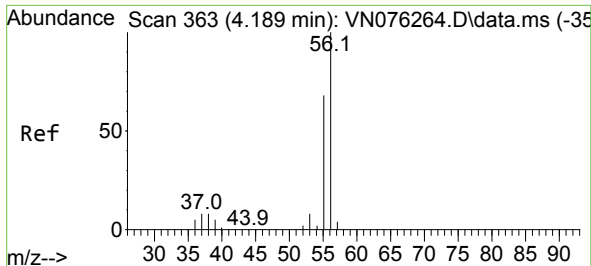
Tgt Ion: 59 Resp: 51098  
Ion Ratio Lower Upper  
59 100  
57 10.7 8.5 12.7



#12  
1,1-Dichloroethene  
Concen: 18.494 ug/l  
RT: 4.353 min Scan# 391  
Delta R.T. -0.006 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

Tgt Ion: 96 Resp: 63432  
Ion Ratio Lower Upper  
96 100  
61 147.5 108.2 162.4  
98 60.4 47.0 70.6

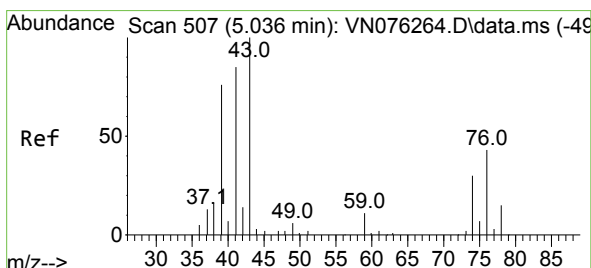
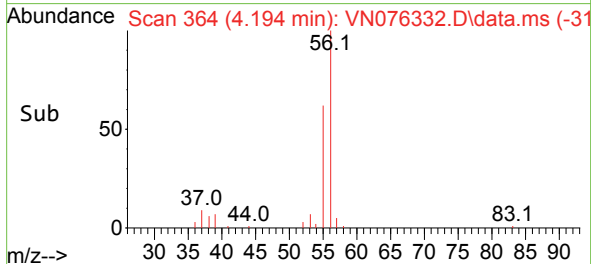
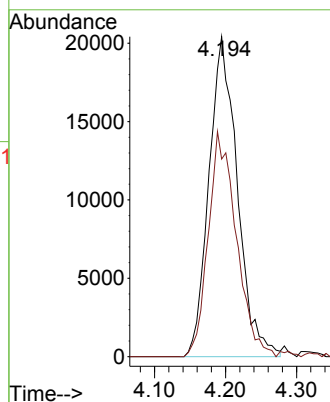
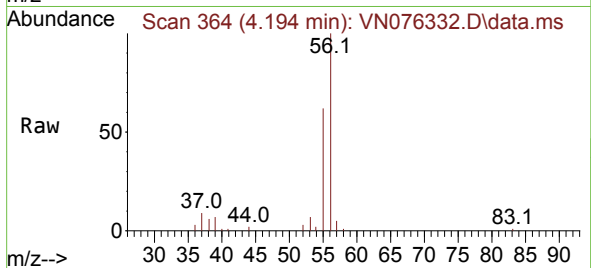




#13  
Acrolein  
Concen: 88.363 ug/l  
RT: 4.194 min Scan# 363  
Delta R.T. 0.005 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

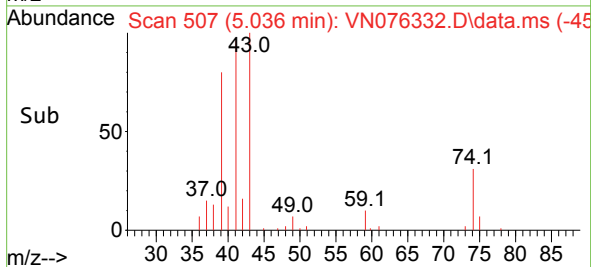
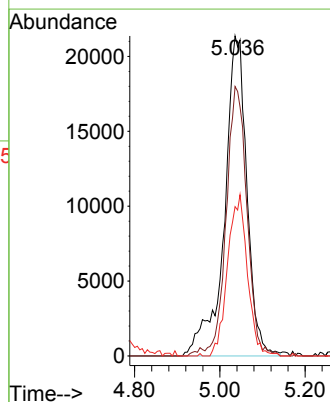
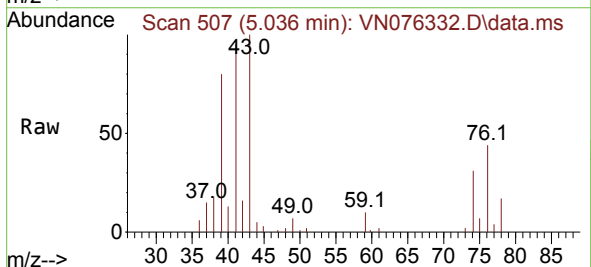
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0119MBS01

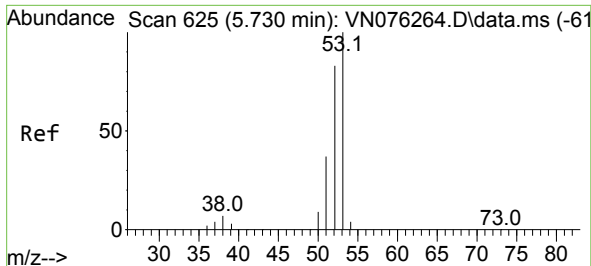
Tgt Ion: 56 Resp: 56673  
Ion Ratio Lower Upper  
56 100  
55 69.4 55.8 83.6



#14  
Allyl chloride  
Concen: 19.718 ug/l  
RT: 5.036 min Scan# 507  
Delta R.T. -0.000 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

Tgt Ion: 41 Resp: 78812  
Ion Ratio Lower Upper  
41 100  
39 77.6 67.4 101.0  
76 44.1 39.8 59.8

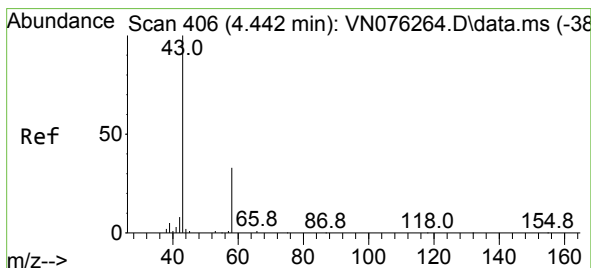
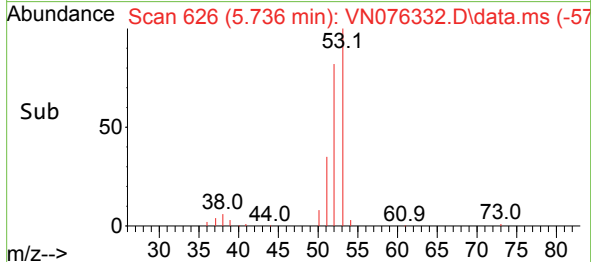
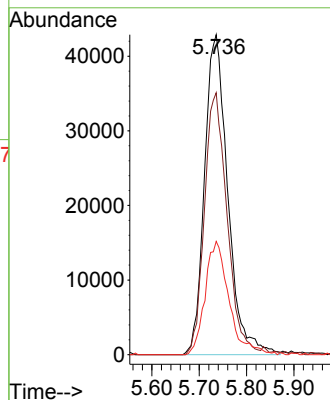
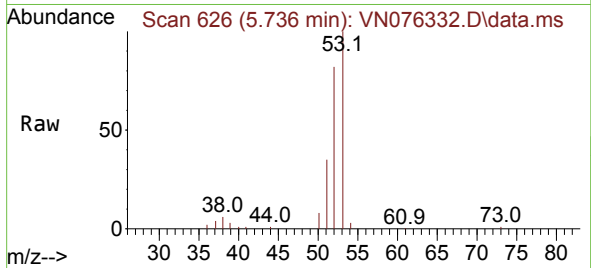




#15  
Acrylonitrile  
Concen: 96.014 ug/l  
RT: 5.736 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

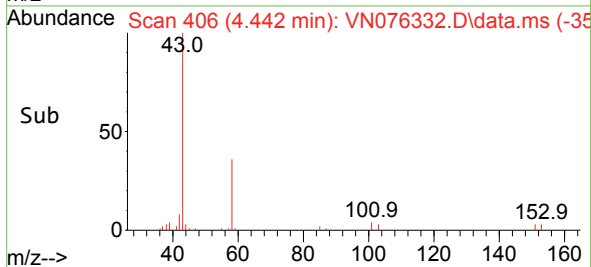
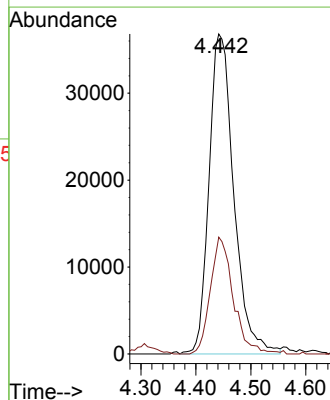
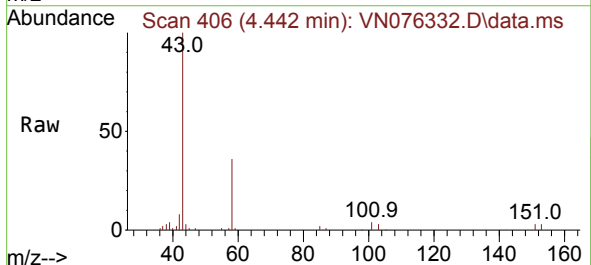
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0119MBS01

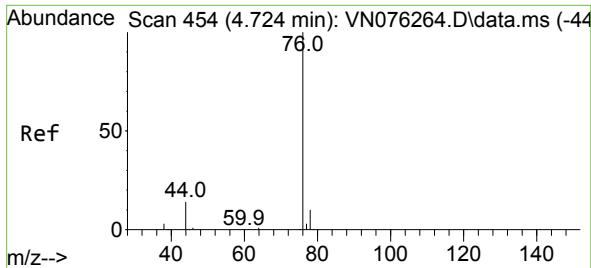
Tgt Ion: 53 Resp: 146532  
Ion Ratio Lower Upper  
53 100  
52 79.6 64.7 97.1  
51 36.3 29.2 43.8



#16  
Acetone  
Concen: 89.747 ug/l  
RT: 4.442 min Scan# 406  
Delta R.T. -0.000 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

Tgt Ion: 43 Resp: 115416  
Ion Ratio Lower Upper  
43 100  
58 36.5 26.7 40.1

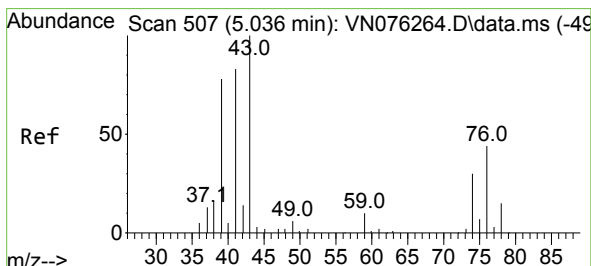
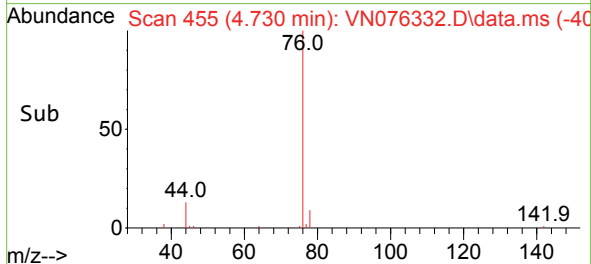
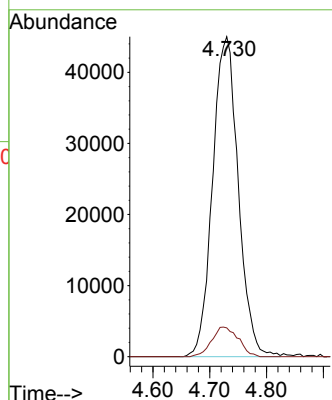
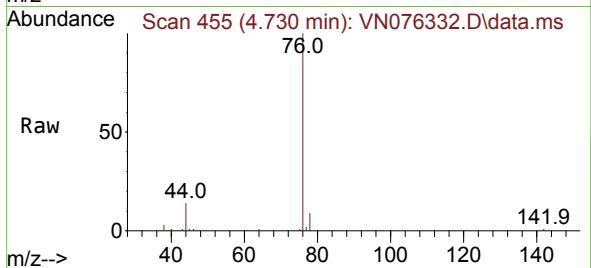




#17  
Carbon Disulfide  
Concen: 16.518 ug/l  
RT: 4.730 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

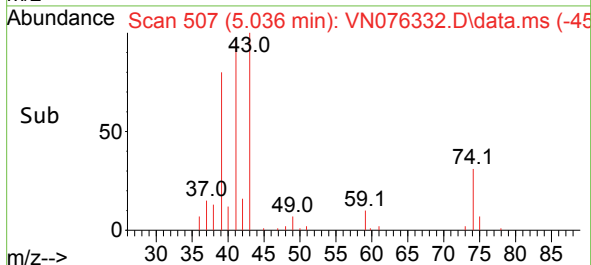
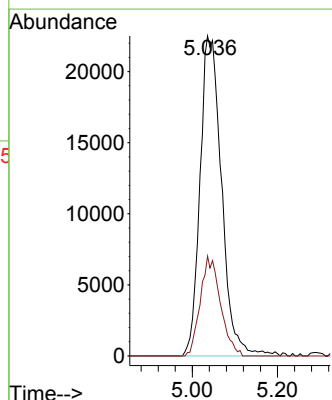
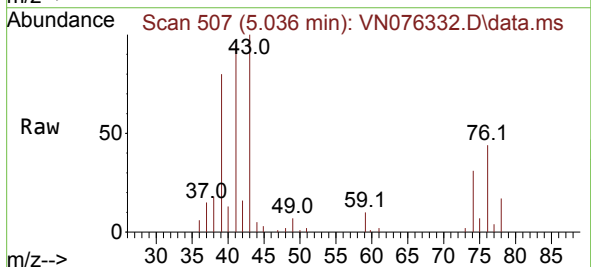
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0119MBS01

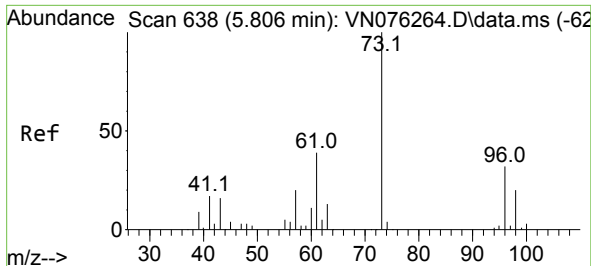
Tgt Ion: 76 Resp: 141068  
Ion Ratio Lower Upper  
76 100  
78 9.0 8.0 12.0



#18  
Methyl Acetate  
Concen: 18.104 ug/l  
RT: 5.036 min Scan# 507  
Delta R.T. -0.000 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

Tgt Ion: 43 Resp: 78859  
Ion Ratio Lower Upper  
43 100  
74 29.1 23.3 34.9

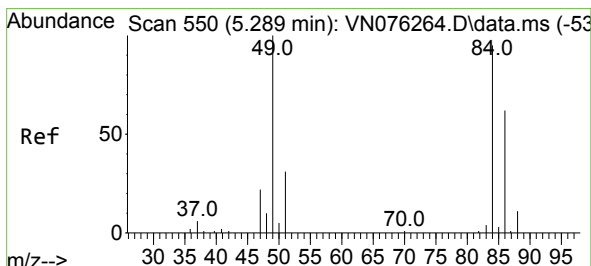
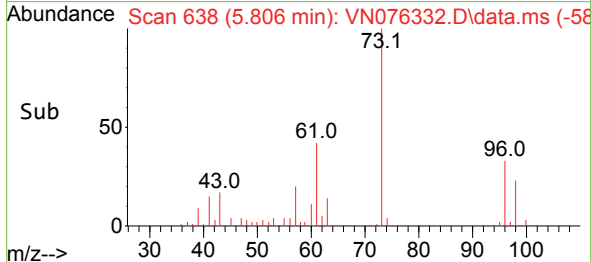
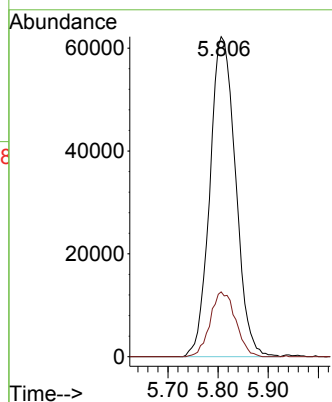
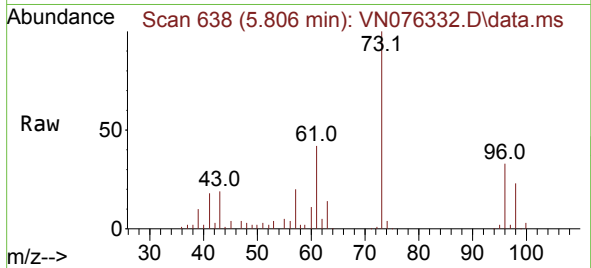




#19  
Methyl tert-butyl Ether  
Concen: 19.826 ug/l  
RT: 5.806 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

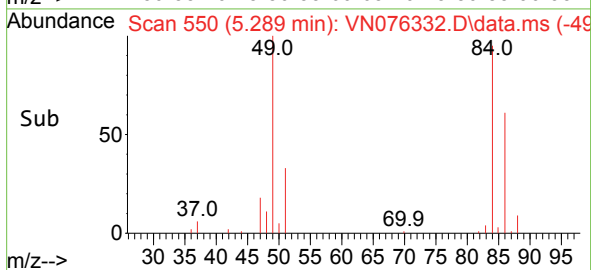
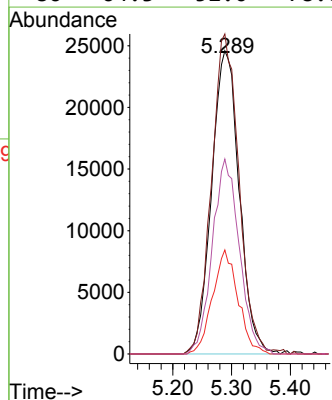
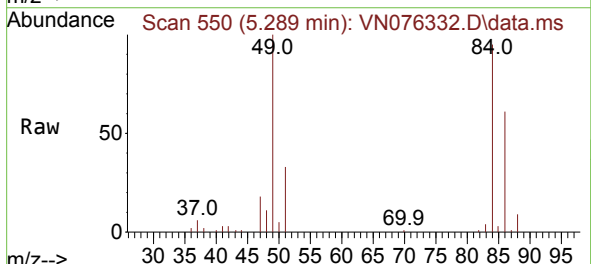
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0119MBS01

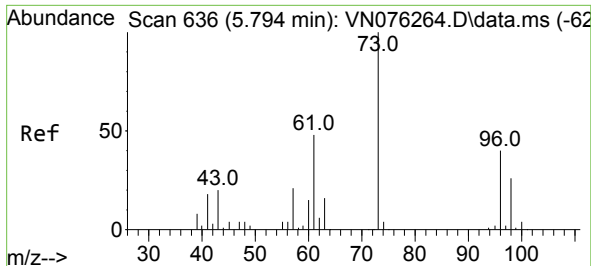
Tgt Ion: 73 Resp: 221384  
Ion Ratio Lower Upper  
73 100  
57 20.3 15.9 23.9



#20  
Methylene Chloride  
Concen: 20.720 ug/l  
RT: 5.289 min Scan# 550  
Delta R.T. -0.000 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

Tgt Ion: 84 Resp: 80149  
Ion Ratio Lower Upper  
84 100  
49 105.6 84.5 126.7  
51 34.3 26.0 39.0  
86 64.3 52.0 78.0

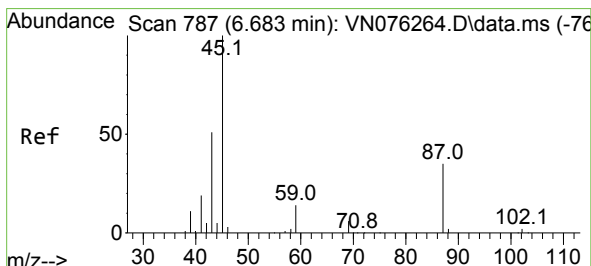
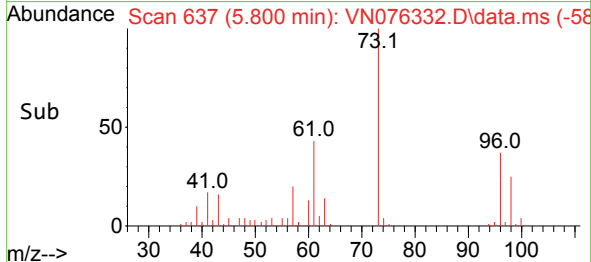
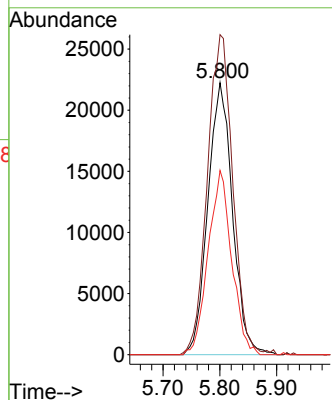
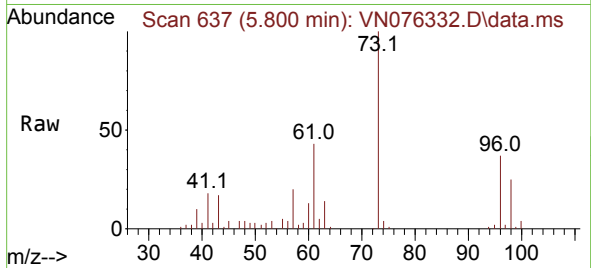




#21  
trans-1,2-Dichloroethene  
Concen: 18.065 ug/l  
RT: 5.800 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

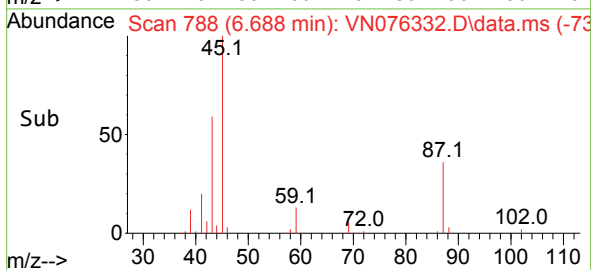
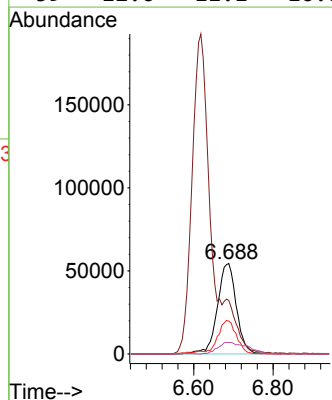
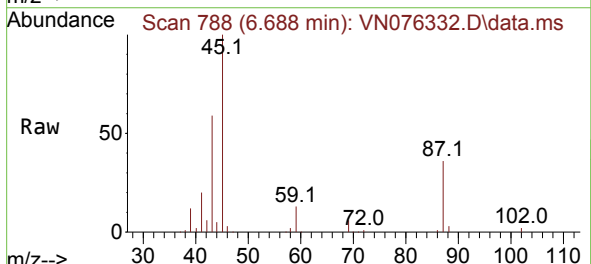
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0119MBS01

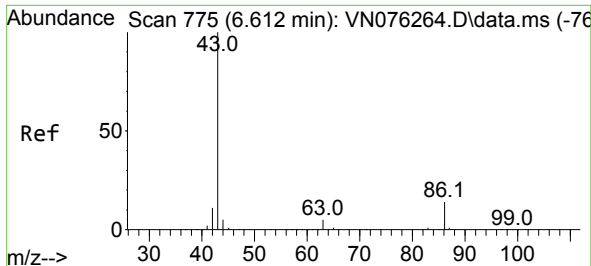
Tgt Ion: 96 Resp: 67124  
Ion Ratio Lower Upper  
96 100  
61 117.6 97.0 145.4  
98 67.7 51.9 77.9



#22  
Diisopropyl ether  
Concen: 19.183 ug/l  
RT: 6.688 min Scan# 788  
Delta R.T. 0.005 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

Tgt Ion: 45 Resp: 180820  
Ion Ratio Lower Upper  
45 100  
43 57.9 44.4 66.6  
87 36.2 28.4 42.6  
59 12.6 11.1 16.7

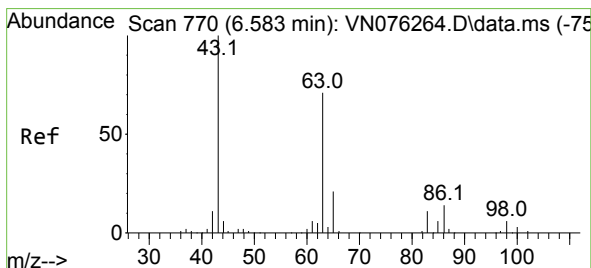
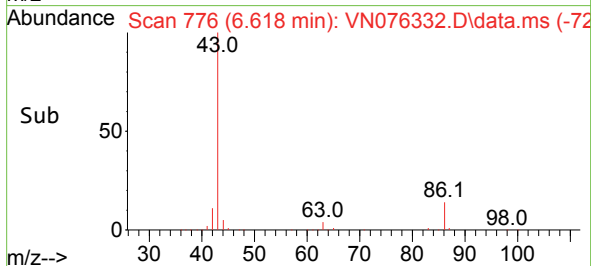
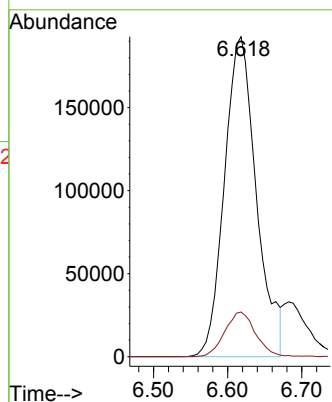
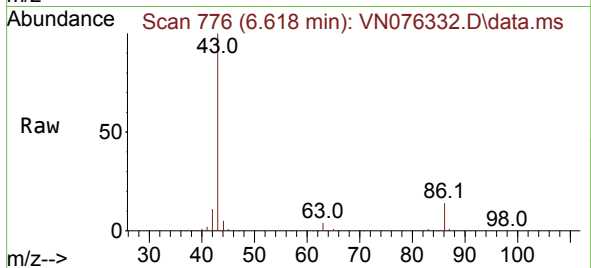




#23  
 Vinyl Acetate  
 Concen: 94.784 ug/l  
 RT: 6.618 min Scan# 776  
 Delta R.T. 0.006 min  
 Lab File: VN076332.D  
 Acq: 19 Jan 2023 18:55

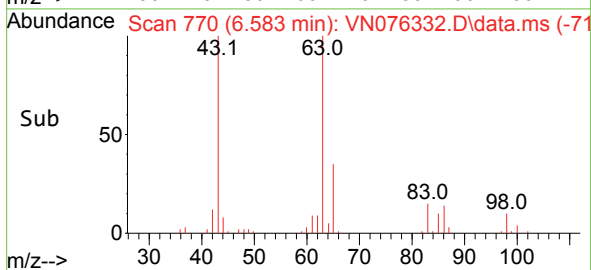
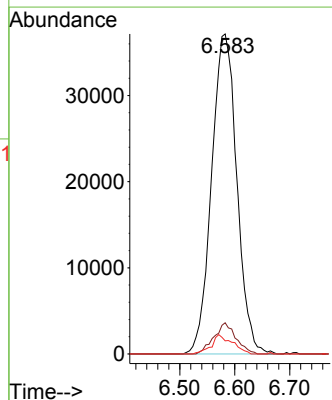
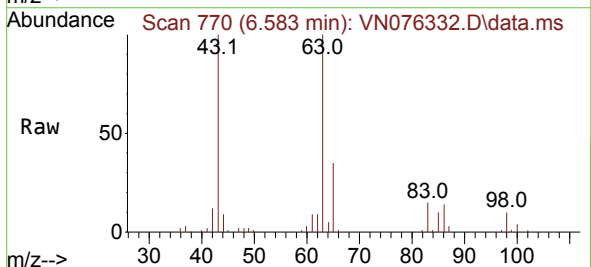
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0119MBS01

Tgt Ion: 43 Resp: 577418  
 Ion Ratio Lower Upper  
 43 100  
 86 13.9 11.2 16.8

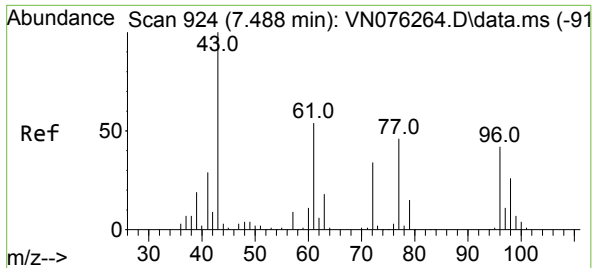


#24  
 1,1-Dichloroethane  
 Concen: 18.882 ug/l  
 RT: 6.583 min Scan# 770  
 Delta R.T. -0.000 min  
 Lab File: VN076332.D  
 Acq: 19 Jan 2023 18:55

Tgt Ion: 63 Resp: 118640  
 Ion Ratio Lower Upper  
 63 100  
 98 9.7 3.9 11.7  
 100 4.1 2.2 6.6



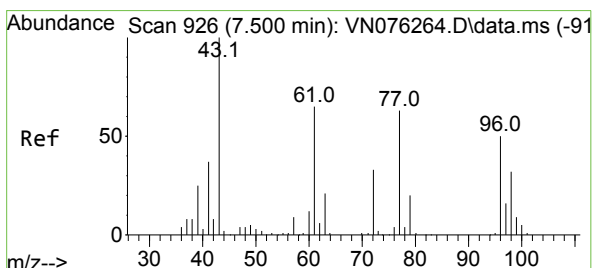
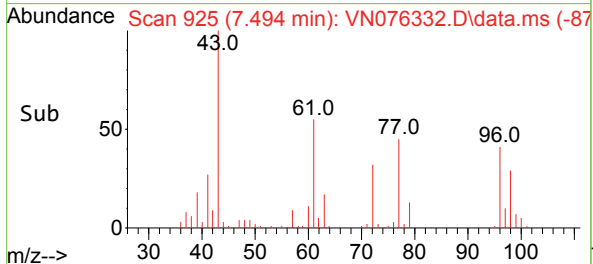
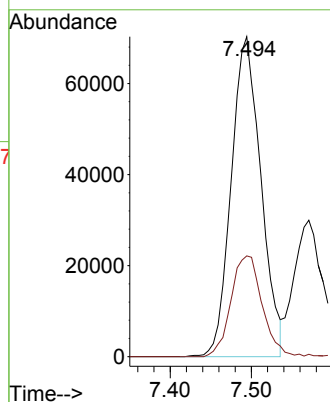
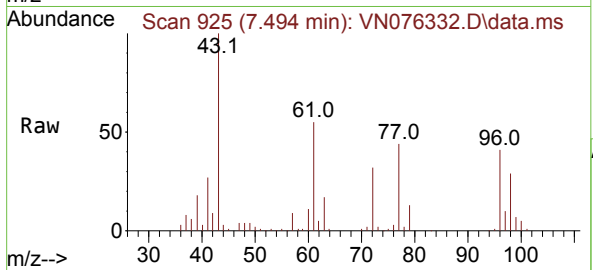




#25  
2-Butanone  
Concen: 91.056 ug/l  
RT: 7.494 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

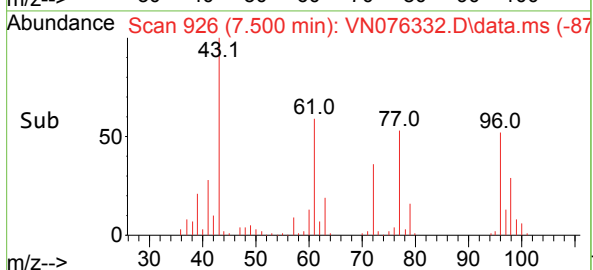
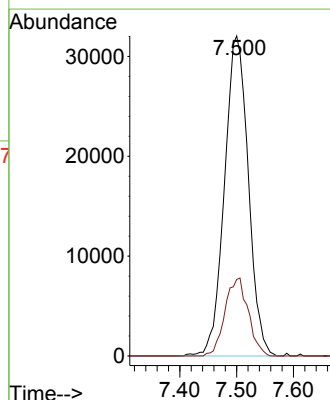
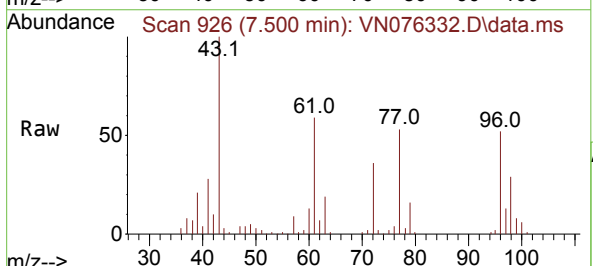
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0119MBS01

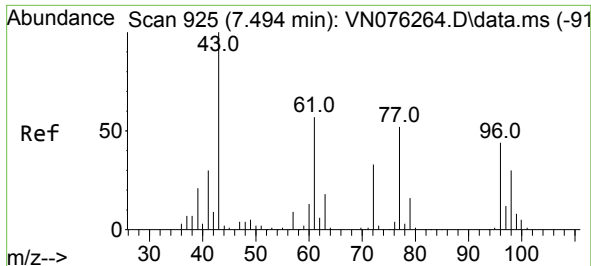
Tgt Ion: 43 Resp: 178752  
Ion Ratio Lower Upper  
43 100  
72 31.5 27.4 41.2



#26  
2,2-Dichloropropane  
Concen: 17.635 ug/l  
RT: 7.500 min Scan# 926  
Delta R.T. 0.000 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

Tgt Ion: 77 Resp: 93390  
Ion Ratio Lower Upper  
77 100  
97 23.7 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 18.782 ug/l

RT: 7.500 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN076332.D

Acq: 19 Jan 2023 18:55

Instrument :

MSVOA\_N

ClientSampleId :

VN0119MBS01

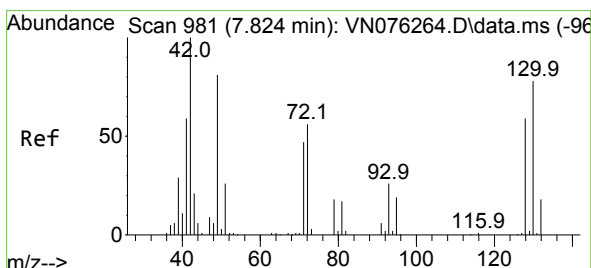
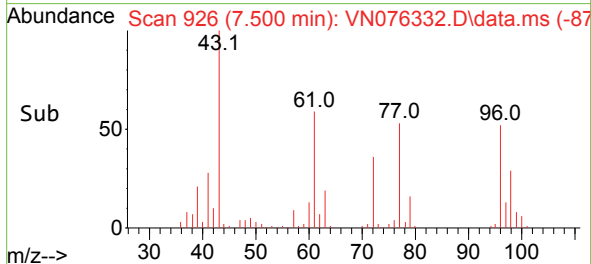
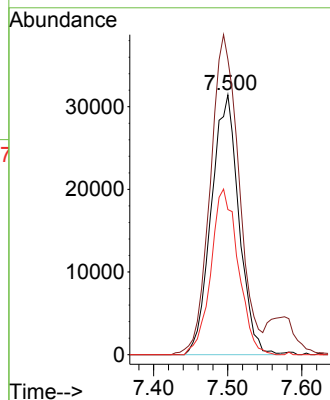
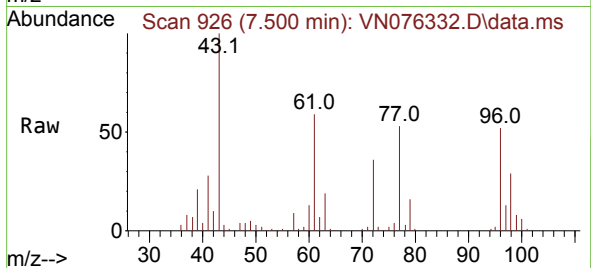
Tgt Ion: 96 Resp: 81397

Ion Ratio Lower Upper

96 100

61 128.0 0.0 259.6

98 63.2 0.0 129.4



#28

Bromochloromethane

Concen: 19.271 ug/l

RT: 7.824 min Scan# 981

Delta R.T. -0.000 min

Lab File: VN076332.D

Acq: 19 Jan 2023 18:55

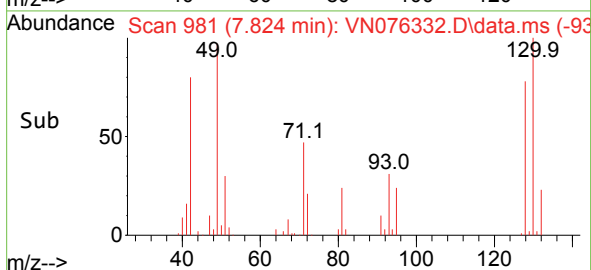
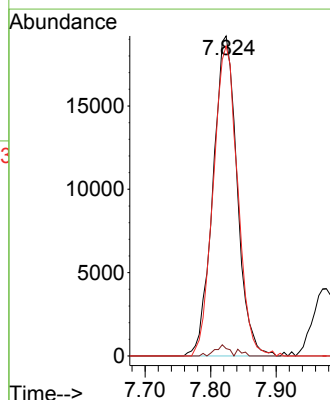
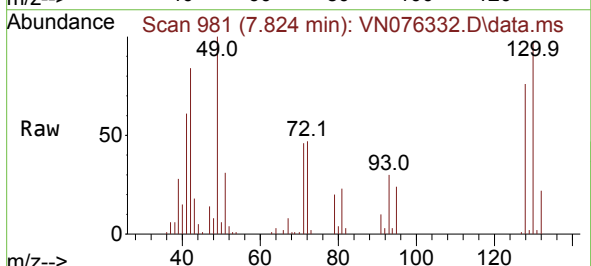
Tgt Ion: 49 Resp: 49077

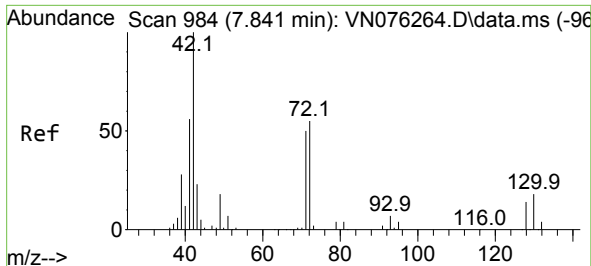
Ion Ratio Lower Upper

49 100

129 1.9 0.0 5.2

130 97.6 76.0 114.0





#29

Tetrahydrofuran

Concen: 96.724 ug/l

RT: 7.847 min Scan# 984

Delta R.T. 0.006 min

Lab File: VN076332.D

Acq: 19 Jan 2023 18:55

Instrument :

MSVOA\_N

ClientSampleId :

VN0119MBS01

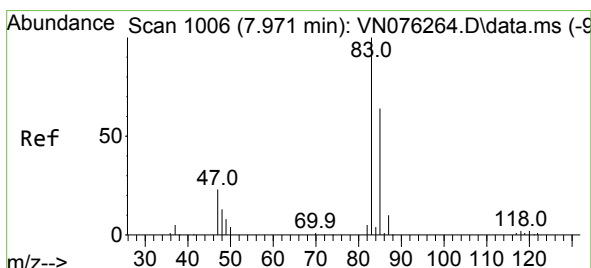
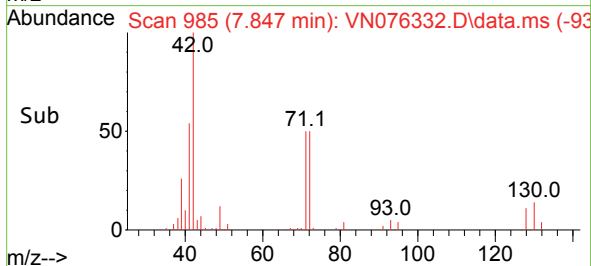
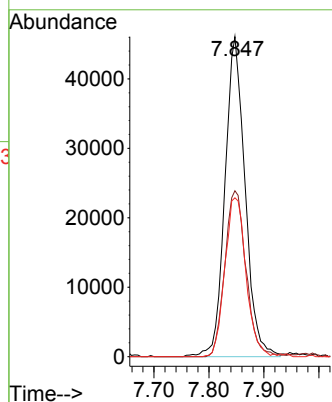
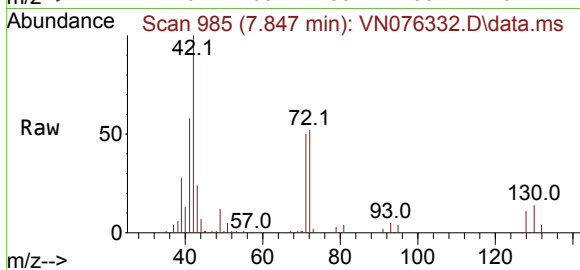
Tgt Ion: 42 Resp: 117190

Ion Ratio Lower Upper

42 100

72 54.7 44.0 66.0

71 52.3 41.1 61.7



#30

Chloroform

Concen: 19.182 ug/l

RT: 7.971 min Scan# 1006

Delta R.T. -0.000 min

Lab File: VN076332.D

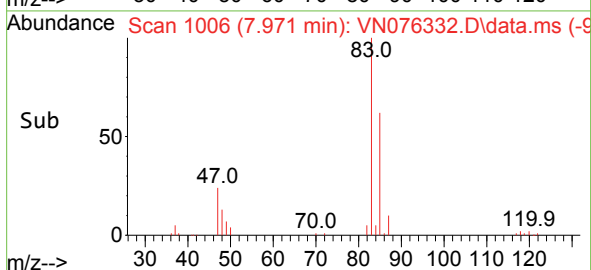
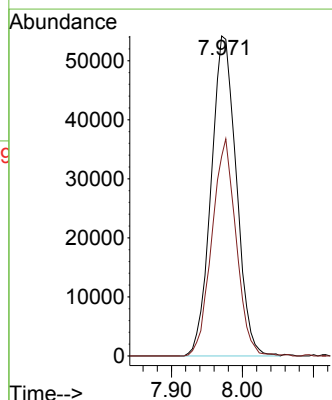
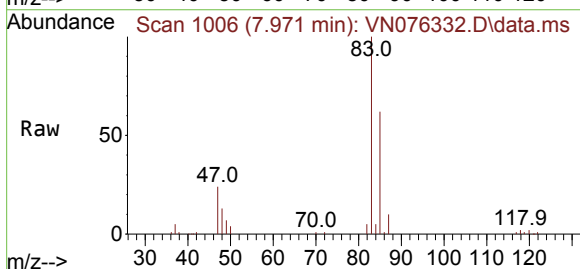
Acq: 19 Jan 2023 18:55

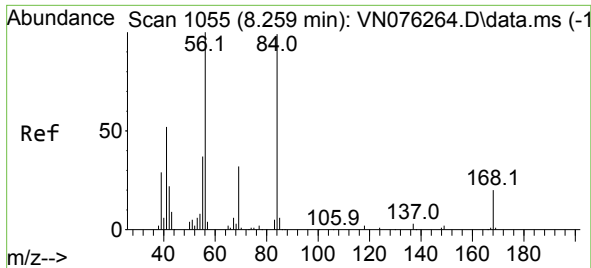
Tgt Ion: 83 Resp: 133359

Ion Ratio Lower Upper

83 100

85 62.3 51.0 76.6

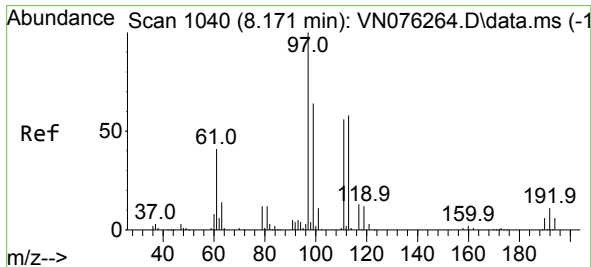
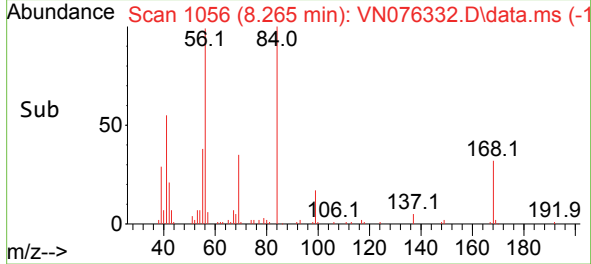
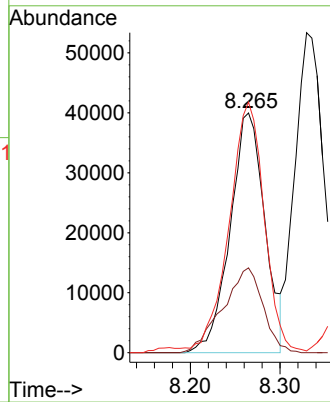
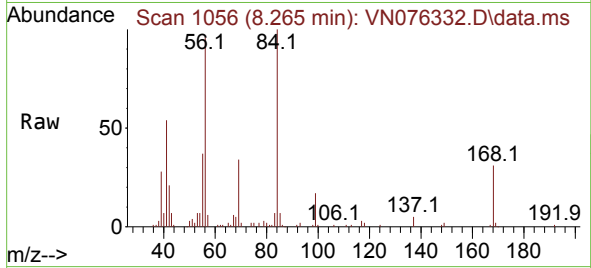




#31  
Cyclohexane  
Concen: 17.450 ug/l  
RT: 8.265 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

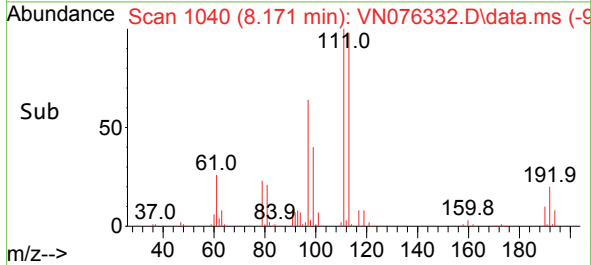
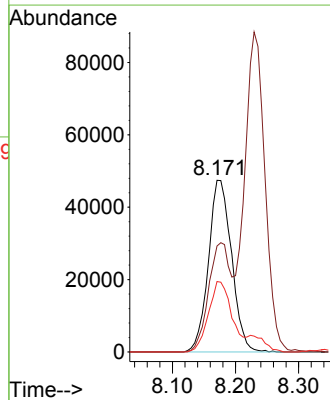
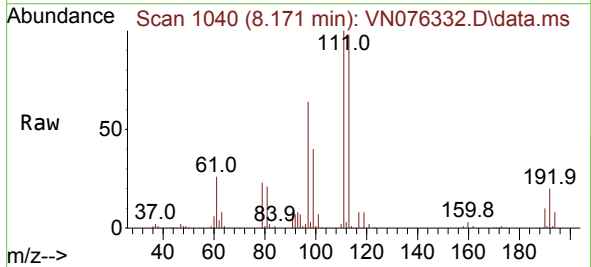
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0119MBS01

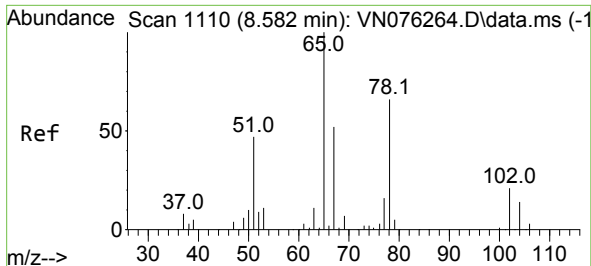
Tgt Ion: 56 Resp: 107480  
Ion Ratio Lower Upper  
56 100  
69 35.4 25.8 38.8  
84 102.7 79.0 118.4



#32  
1,1,1-Trichloroethane  
Concen: 19.039 ug/l  
RT: 8.171 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

Tgt Ion: 97 Resp: 120846  
Ion Ratio Lower Upper  
97 100  
99 59.2 55.0 82.4  
61 42.2 36.2 54.4





#33

1,2-Dichloroethane-d4

Concen: 48.070 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN076332.D

Acq: 19 Jan 2023 18:55

Instrument :

MSVOA\_N

ClientSampleId :

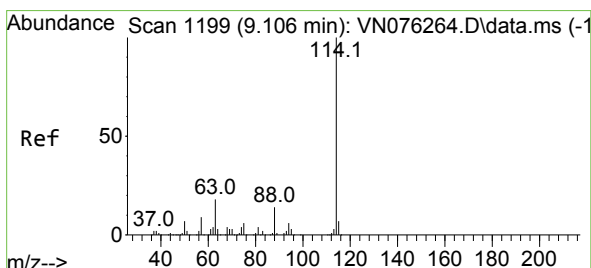
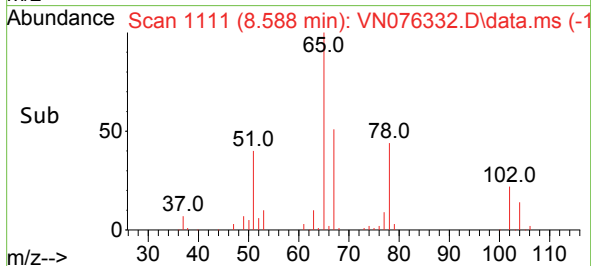
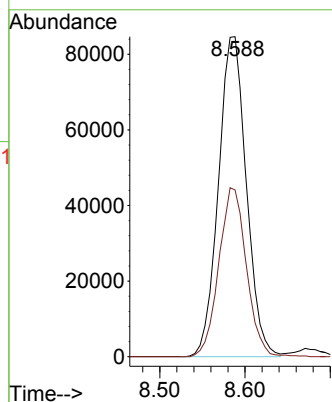
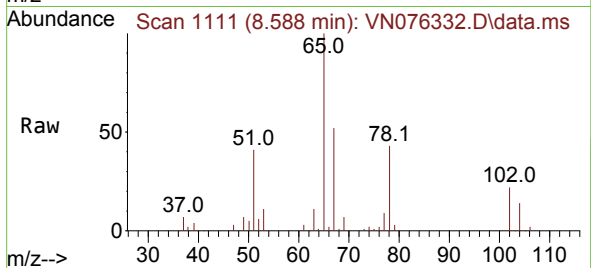
VN0119MBS01

Tgt Ion: 65 Resp: 192737

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076332.D

Acq: 19 Jan 2023 18:55

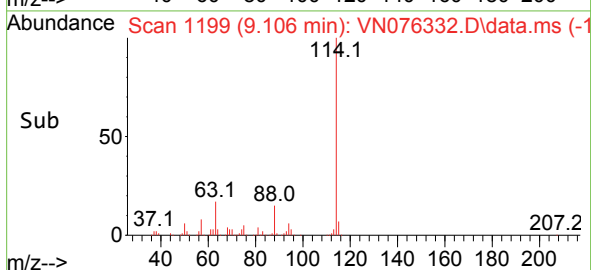
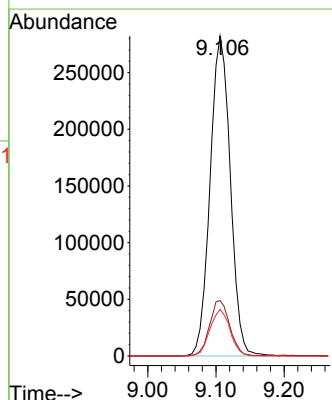
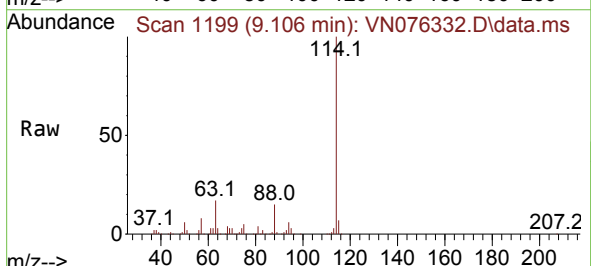
Tgt Ion: 114 Resp: 583009

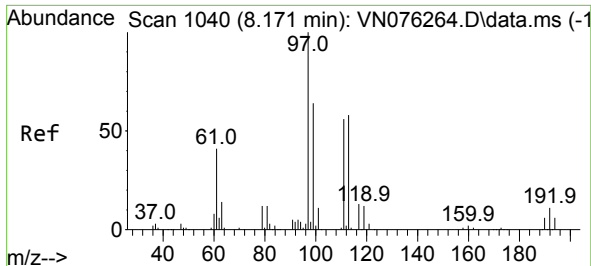
Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.8

88 14.6 0.0 28.0

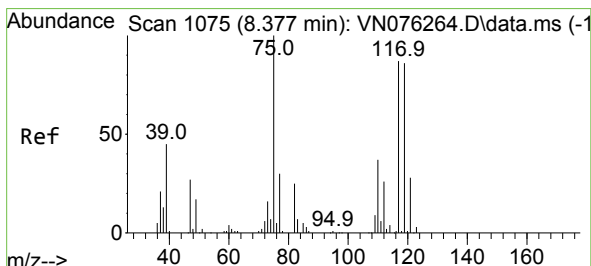
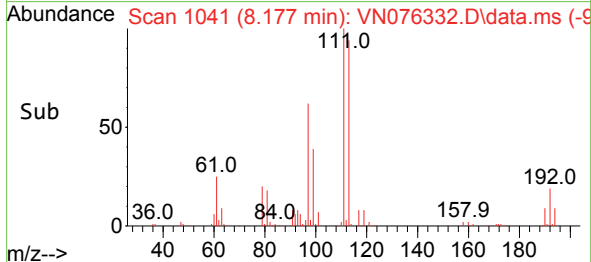
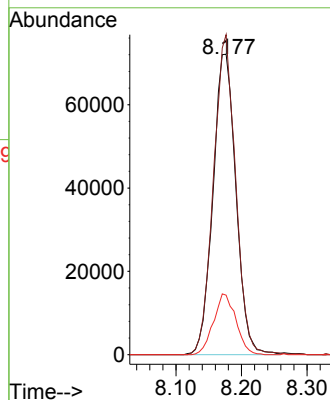
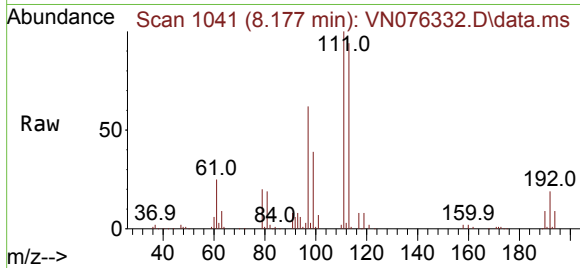




#35  
Dibromofluoromethane  
Concen: 48.231 ug/l  
RT: 8.177 min Scan# 1040  
Delta R.T. 0.006 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

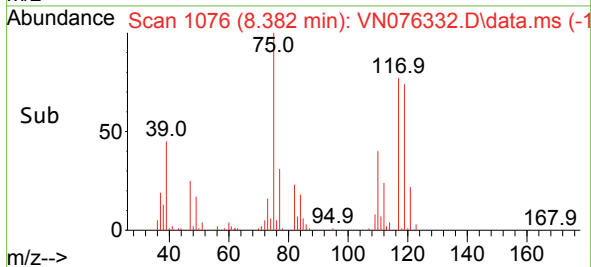
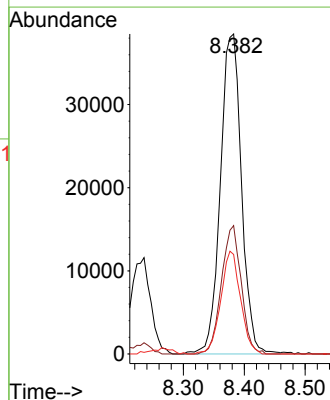
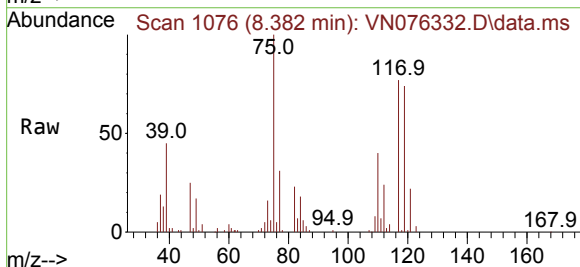
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0119MBS01

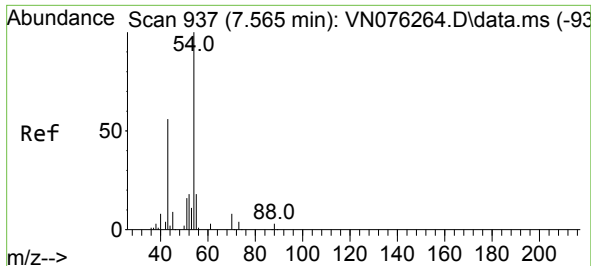
Tgt Ion:113 Resp: 175898  
Ion Ratio Lower Upper  
113 100  
111 102.4 82.7 124.1  
192 19.7 15.6 23.4



#36  
1,1-Dichloropropene  
Concen: 17.897 ug/l  
RT: 8.382 min Scan# 1076  
Delta R.T. 0.005 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

Tgt Ion: 75 Resp: 92745  
Ion Ratio Lower Upper  
75 100  
110 37.5 18.8 56.3  
77 30.1 25.0 37.4

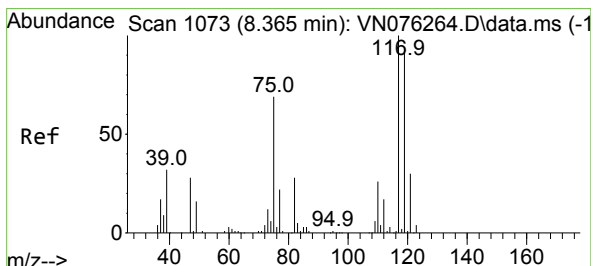
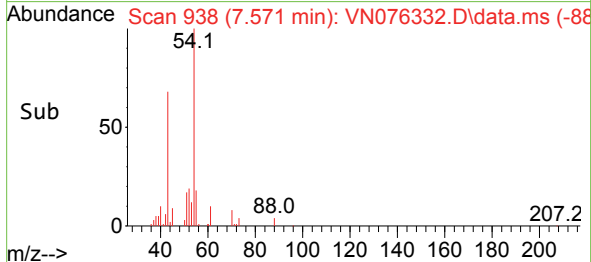
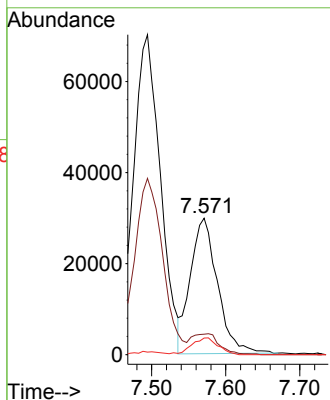
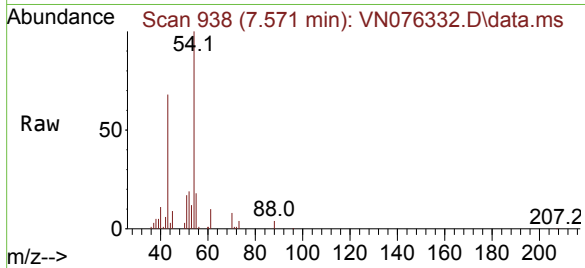




#37  
Ethyl Acetate  
Concen: 18.266 ug/l  
RT: 7.571 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

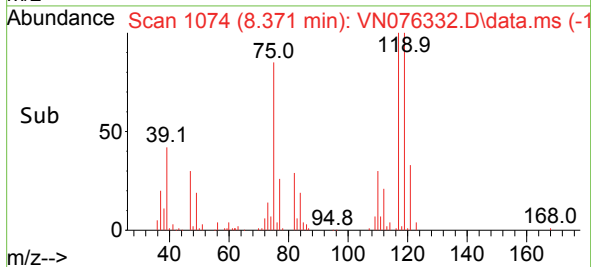
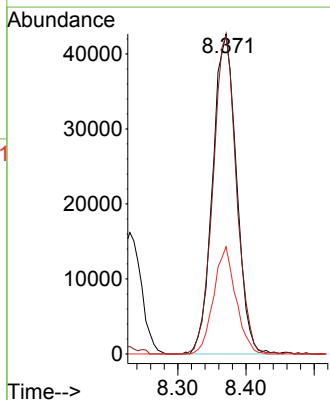
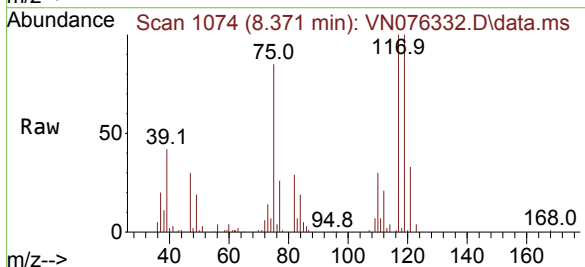
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0119MBS01

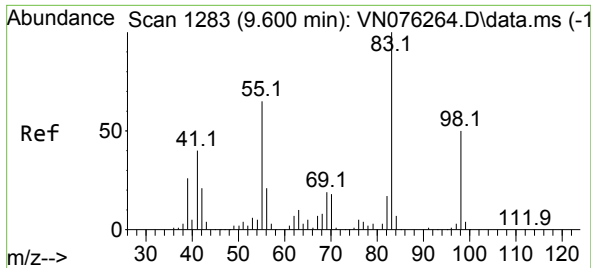
Tgt Ion: 43 Resp: 75830  
Ion Ratio Lower Upper  
43 100  
61 15.8 11.1 16.7  
70 12.0 10.0 15.0



#38  
Carbon Tetrachloride  
Concen: 17.930 ug/l  
RT: 8.371 min Scan# 1074  
Delta R.T. 0.006 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

Tgt Ion: 117 Resp: 103616  
Ion Ratio Lower Upper  
117 100  
119 99.5 75.4 113.0  
121 33.5 24.2 36.2

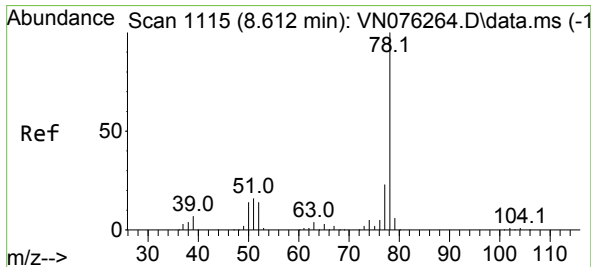
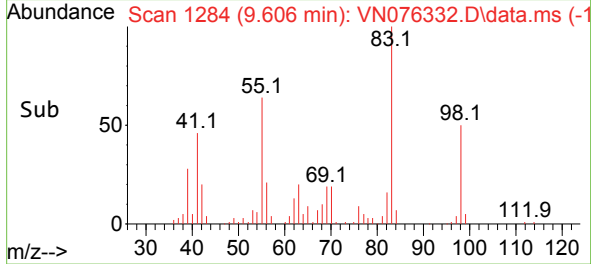
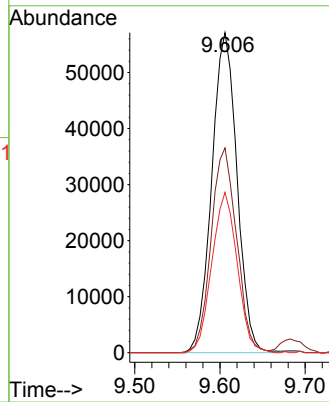
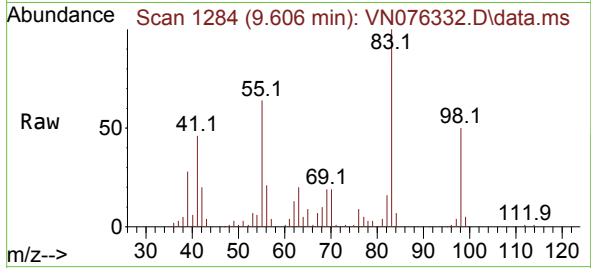




#39  
Methylcyclohexane  
Concen: 18.570 ug/l  
RT: 9.606 min Scan# 11284  
Delta R.T. 0.006 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

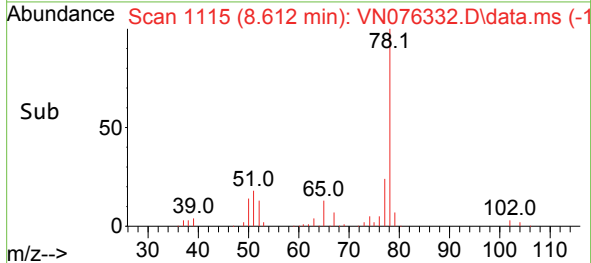
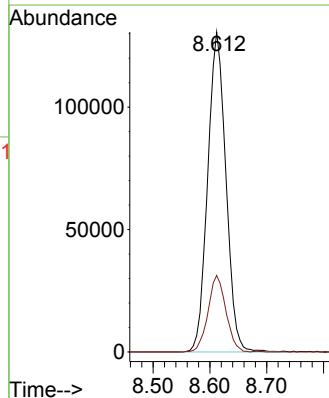
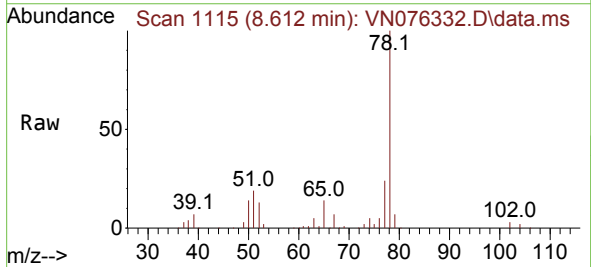
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0119MBS01

Tgt Ion: 83 Resp: 117517  
Ion Ratio Lower Upper  
83 100  
55 64.0 51.7 77.5  
98 50.1 40.0 60.0

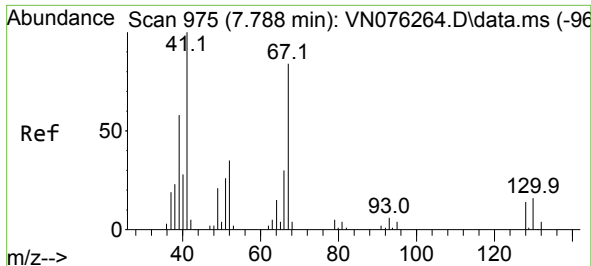


#40  
Benzene  
Concen: 18.753 ug/l  
RT: 8.612 min Scan# 1115  
Delta R.T. -0.000 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

Tgt Ion: 78 Resp: 290593  
Ion Ratio Lower Upper  
78 100  
77 23.9 18.6 28.0



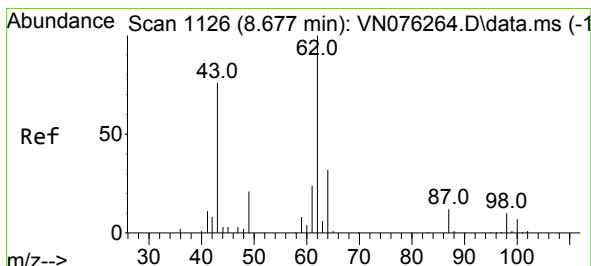
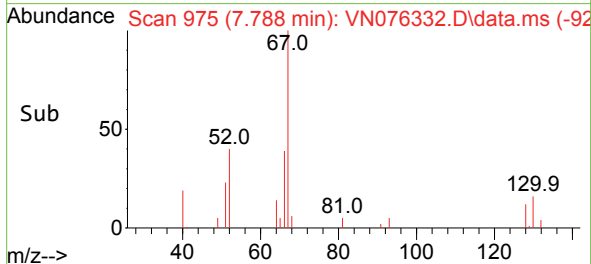
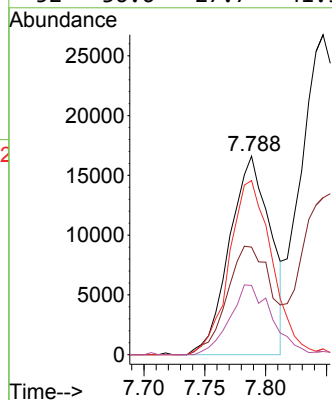
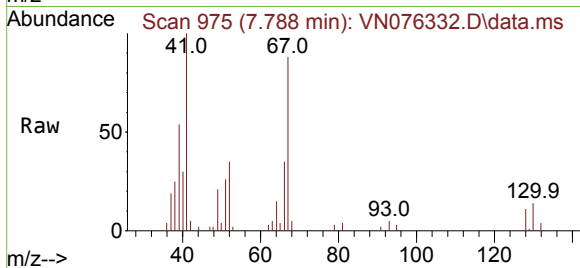




#41  
Methacrylonitrile  
Concen: 17.905 ug/l  
RT: 7.788 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

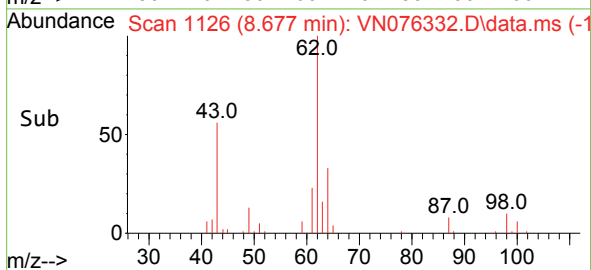
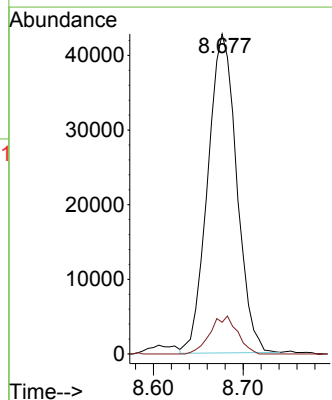
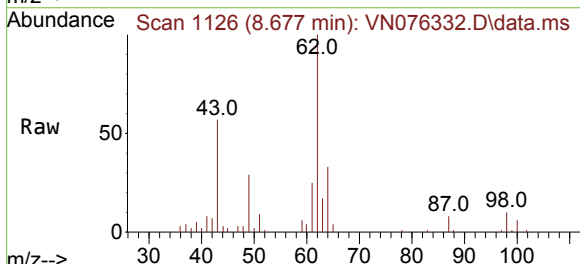
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0119MBS01

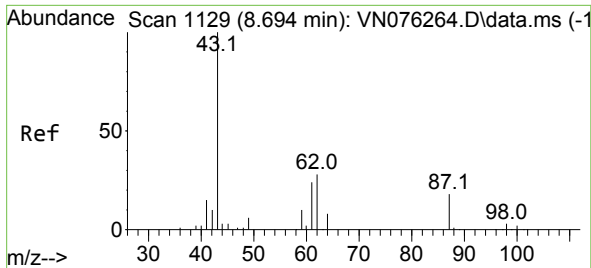
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 38969 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 58.1  | 42.4  | 63.6  |
| 67       | 92.2  | 68.8  | 103.2 |
| 52       | 36.6  | 27.7  | 41.5  |



#42  
1,2-Dichloroethane  
Concen: 18.100 ug/l  
RT: 8.677 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 95963 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 11.2  | 0.0   | 20.4  |

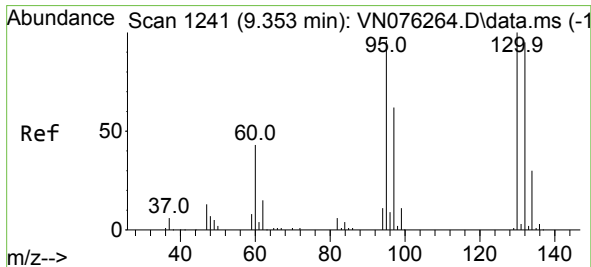
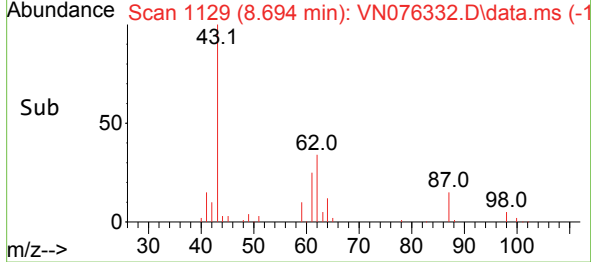
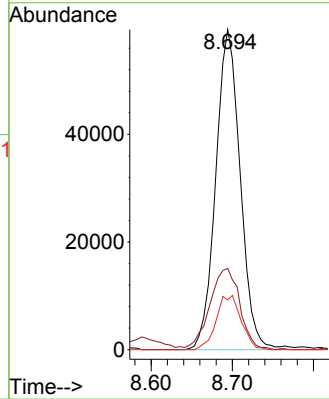
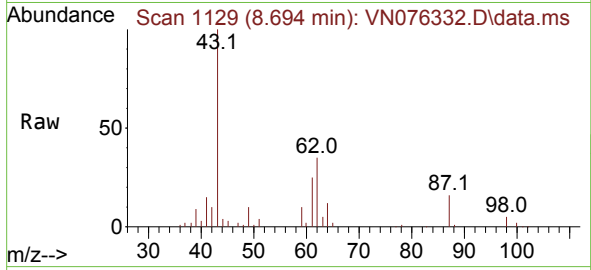




#43  
Isopropyl Acetate  
Concen: 18.394 ug/l  
RT: 8.694 min Scan# 1129  
Delta R.T. 0.000 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

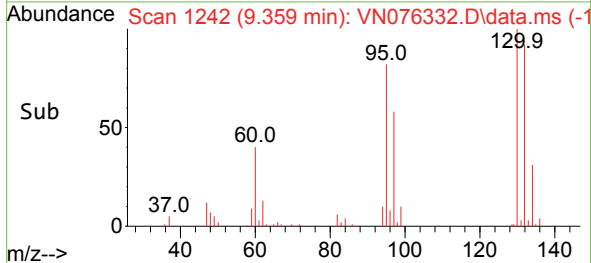
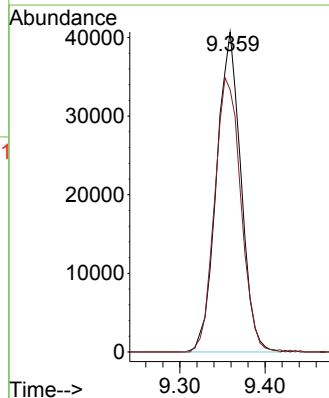
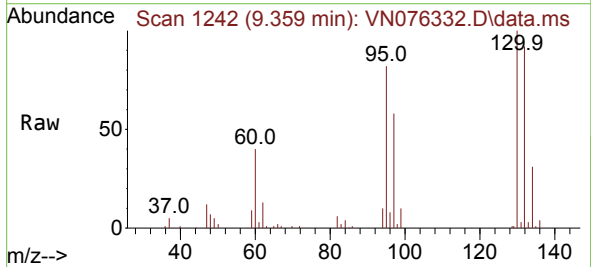
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0119MBS01

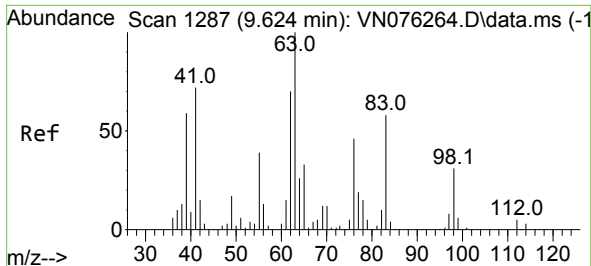
Tgt Ion: 43 Resp: 124381  
Ion Ratio Lower Upper  
43 100  
61 31.1 23.5 35.3  
87 17.3 13.8 20.6



#44  
Trichloroethene  
Concen: 18.401 ug/l  
RT: 9.359 min Scan# 1242  
Delta R.T. 0.006 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

Tgt Ion:130 Resp: 80646  
Ion Ratio Lower Upper  
130 100  
95 81.9 0.0 192.0





#45

1,2-Dichloropropane

Concen: 18.161 ug/l

RT: 9.624 min Scan# 1287

Delta R.T. -0.000 min

Lab File: VN076332.D

Acq: 19 Jan 2023 18:55

Instrument :

MSVOA\_N

ClientSampleId :

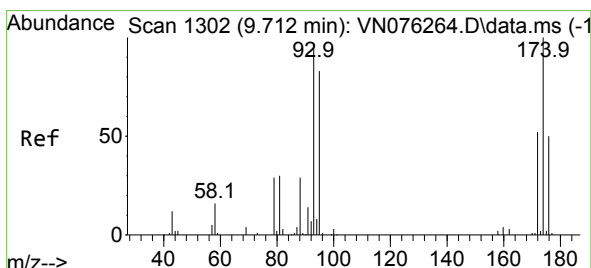
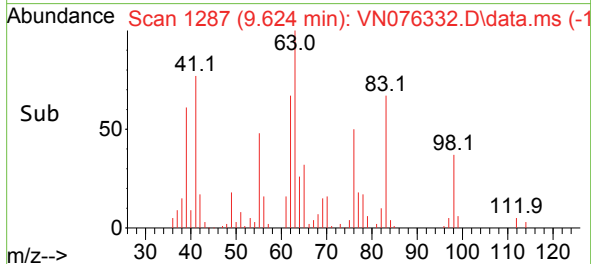
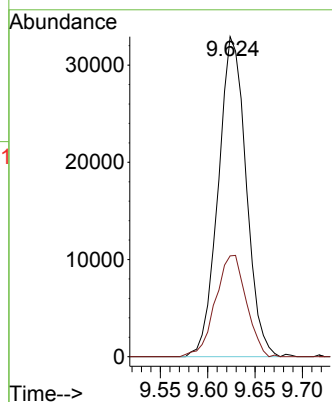
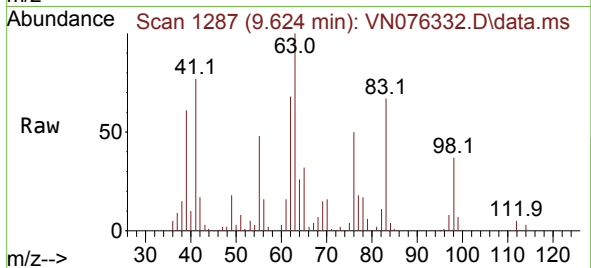
VN0119MBS01

Tgt Ion: 63 Resp: 67376

Ion Ratio Lower Upper

63 100

65 31.5 26.4 39.6



#46

Dibromomethane

Concen: 18.414 ug/l

RT: 9.712 min Scan# 1302

Delta R.T. -0.000 min

Lab File: VN076332.D

Acq: 19 Jan 2023 18:55

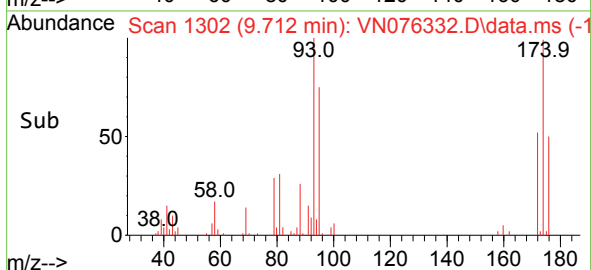
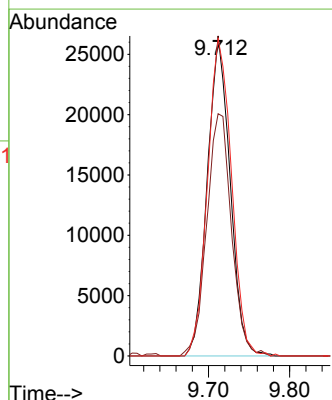
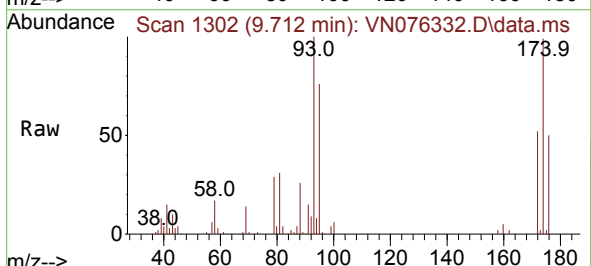
Tgt Ion: 93 Resp: 51579

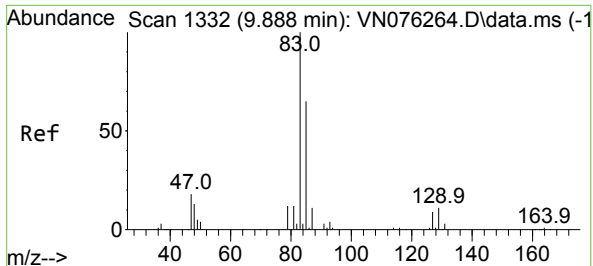
Ion Ratio Lower Upper

93 100

95 82.3 66.0 99.0

174 104.8 81.3 121.9





#47

Bromodichloromethane

Concen: 18.892 ug/l

RT: 9.894 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076332.D

Acq: 19 Jan 2023 18:55

Instrument :

MSVOA\_N

ClientSampleId :

VN0119MBS01

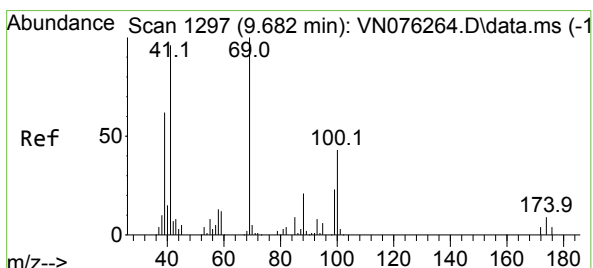
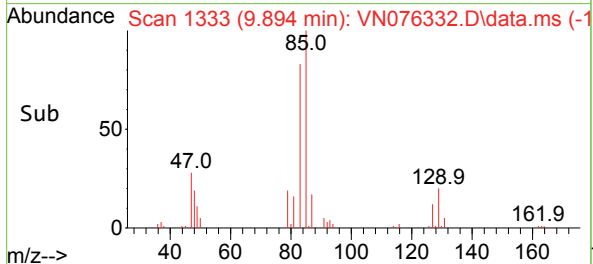
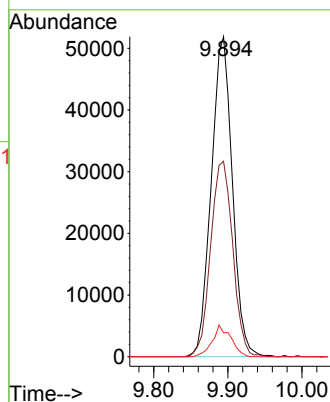
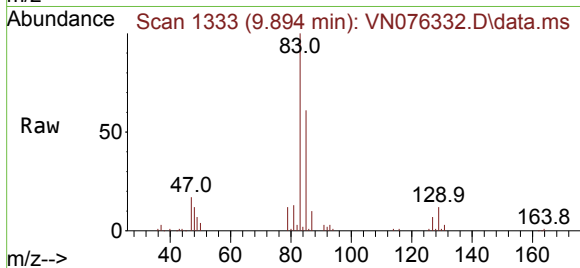
Tgt Ion: 83 Resp: 102637

Ion Ratio Lower Upper

83 100

85 61.1 52.1 78.1

127 7.4 7.4 11.0



#48

Methyl methacrylate

Concen: 18.277 ug/l

RT: 9.682 min Scan# 1297

Delta R.T. 0.000 min

Lab File: VN076332.D

Acq: 19 Jan 2023 18:55

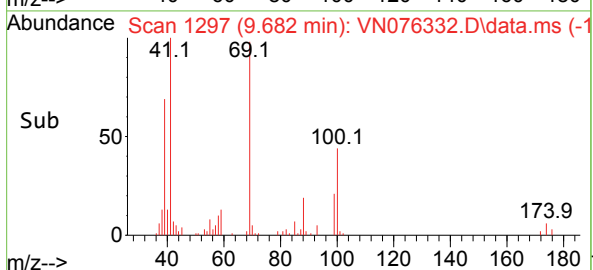
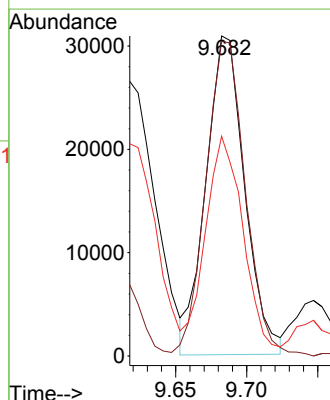
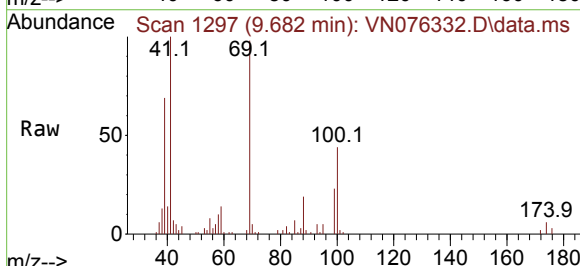
Tgt Ion: 41 Resp: 58509

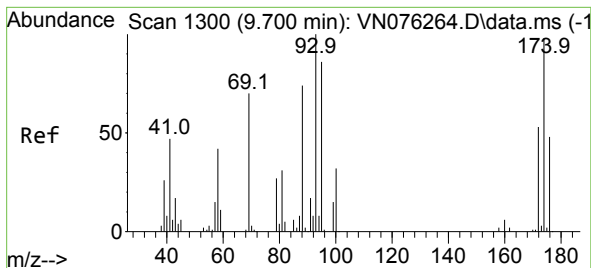
Ion Ratio Lower Upper

41 100

69 100.9 80.8 121.2

39 67.4 54.4 81.6





#49

1,4-Dioxane

Concen: 389.588 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN076332.D

Acq: 19 Jan 2023 18:55

Instrument :

MSVOA\_N

ClientSampleId :

VN0119MBS01

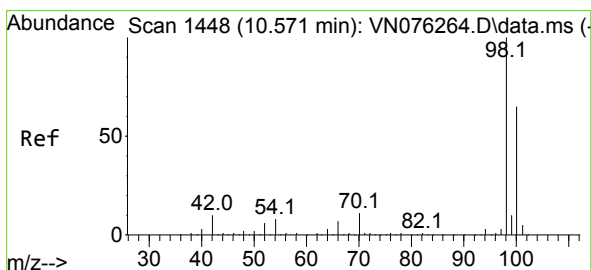
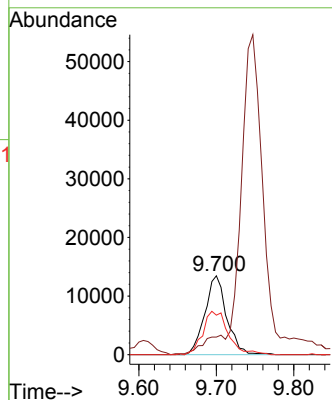
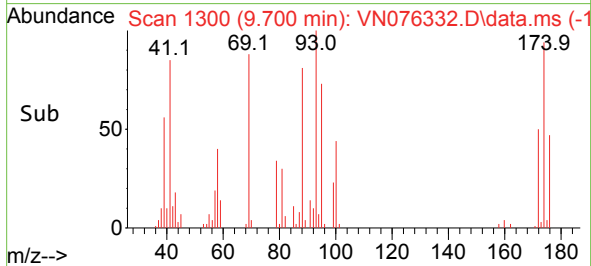
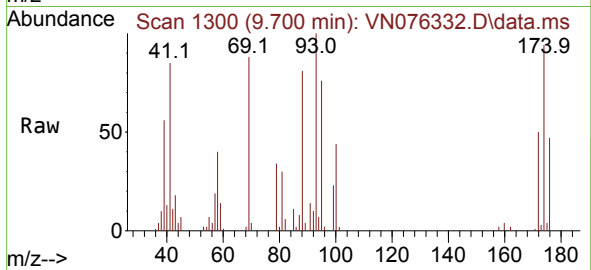
Tgt Ion: 88 Resp: 26316

Ion Ratio Lower Upper

88 100

43 0.0 18.1 27.1#

58 64.3 46.5 69.7



#50

Toluene-d8

Concen: 48.601 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN076332.D

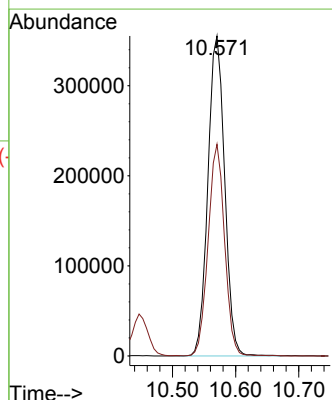
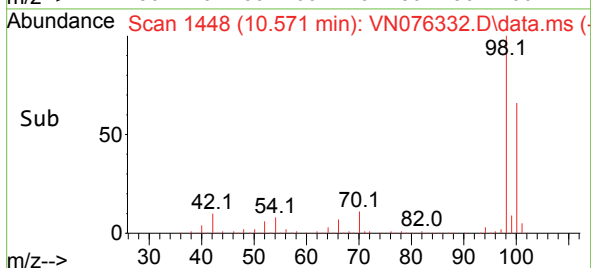
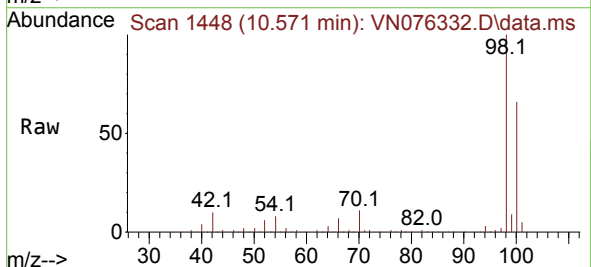
Acq: 19 Jan 2023 18:55

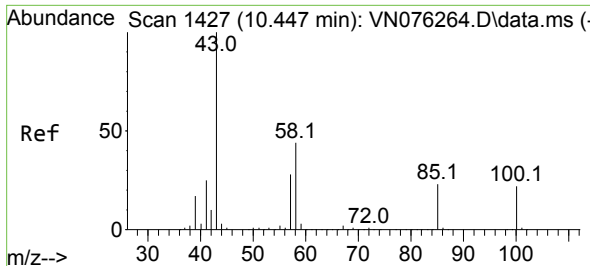
Tgt Ion: 98 Resp: 654595

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.4

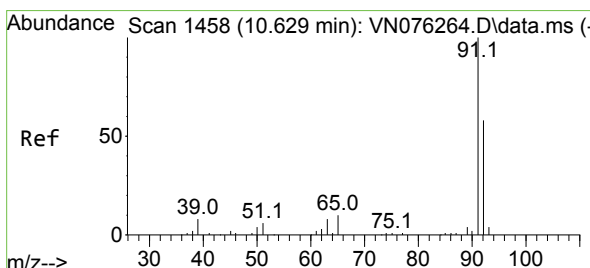
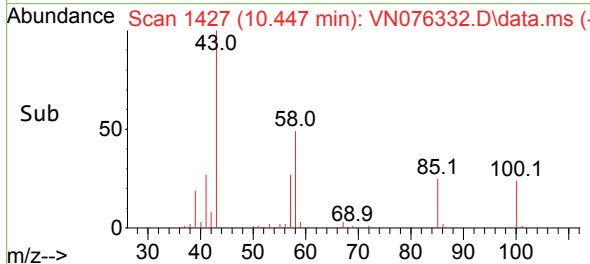
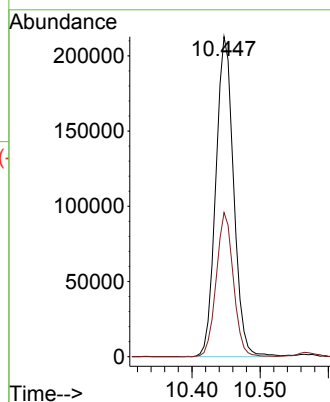
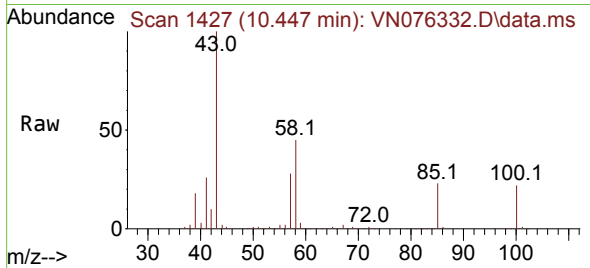




#51  
4-Methyl-2-Pentanone  
Concen: 97.690 ug/l  
RT: 10.447 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

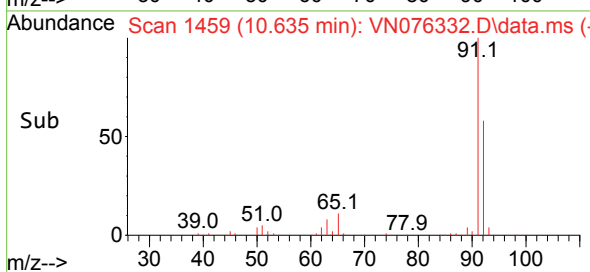
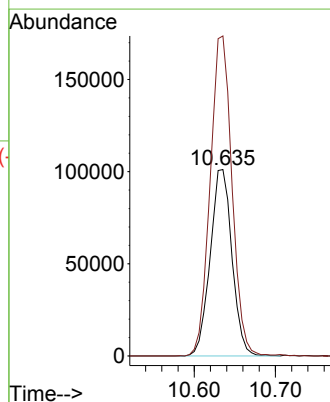
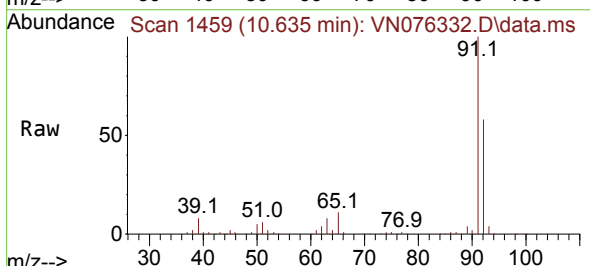
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0119MBS01

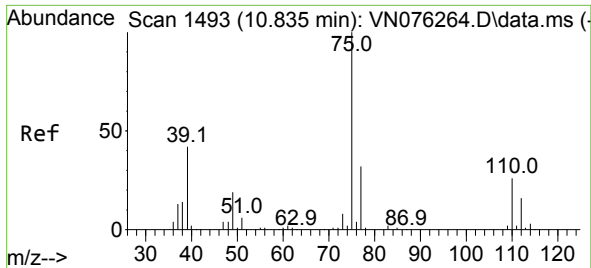
Tgt Ion: 43 Resp: 387786  
Ion Ratio Lower Upper  
43 100  
58 43.3 35.1 52.7



#52  
Toluene  
Concen: 18.218 ug/l  
RT: 10.635 min Scan# 1459  
Delta R.T. 0.006 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

Tgt Ion: 92 Resp: 188785  
Ion Ratio Lower Upper  
92 100  
91 172.1 136.6 205.0

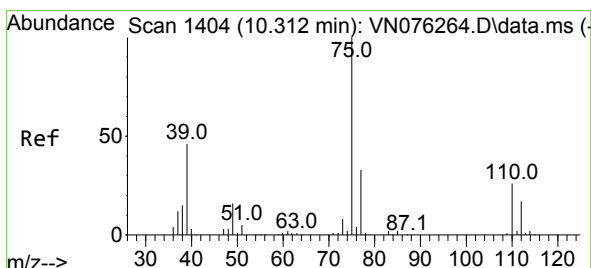
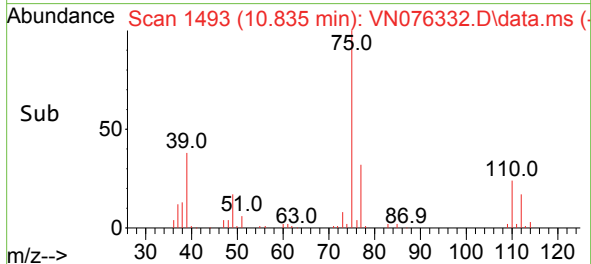
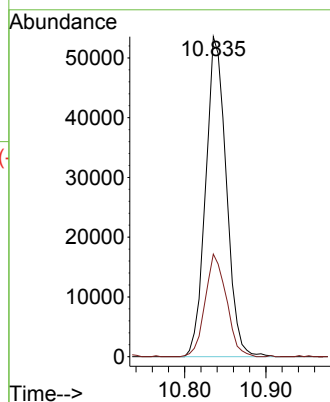
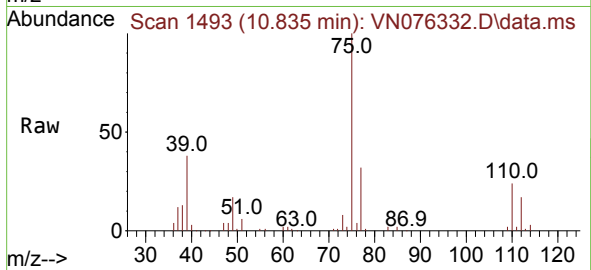




#53  
 t-1,3-Dichloropropene  
 Concen: 18.246 ug/l  
 RT: 10.835 min Scan# 1493  
 Delta R.T. 0.000 min  
 Lab File: VN076332.D  
 Acq: 19 Jan 2023 18:55

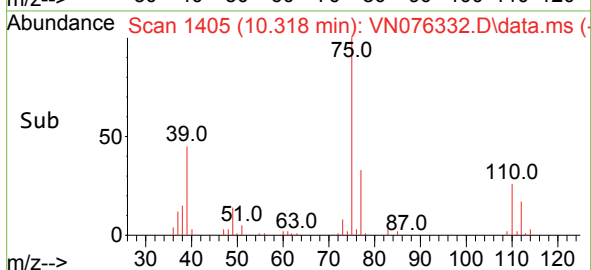
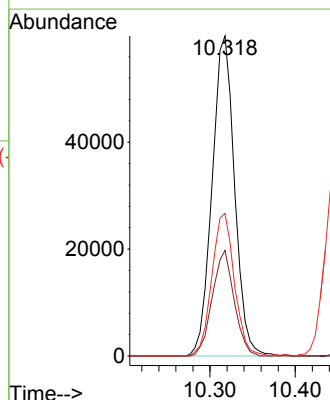
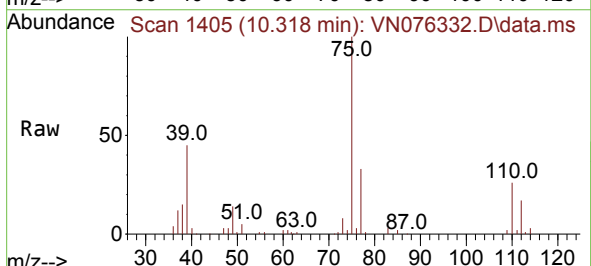
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0119MBS01

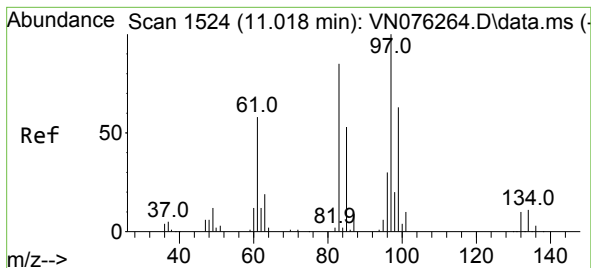
Tgt Ion: 75 Resp: 94498  
 Ion Ratio Lower Upper  
 75 100  
 77 32.0 25.8 38.6



#54  
 cis-1,3-Dichloropropene  
 Concen: 18.384 ug/l  
 RT: 10.318 min Scan# 1405  
 Delta R.T. 0.006 min  
 Lab File: VN076332.D  
 Acq: 19 Jan 2023 18:55

Tgt Ion: 75 Resp: 109534  
 Ion Ratio Lower Upper  
 75 100  
 77 33.0 26.5 39.7  
 39 44.5 37.1 55.7

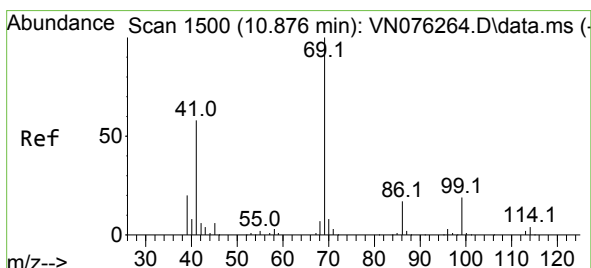
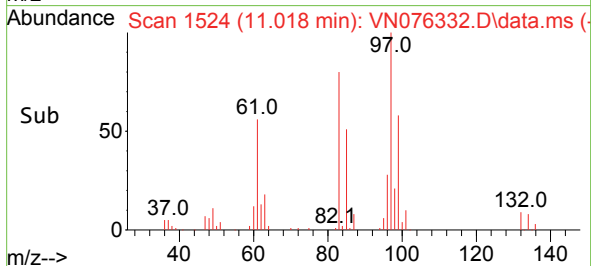
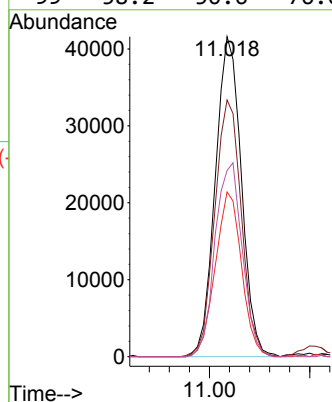
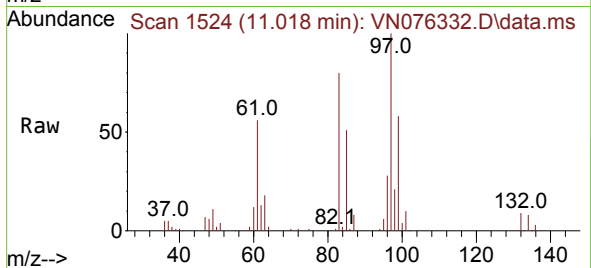




#55  
1,1,2-Trichloroethane  
Concen: 18.942 ug/l  
RT: 11.018 min Scan# 1100  
Delta R.T. -0.000 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

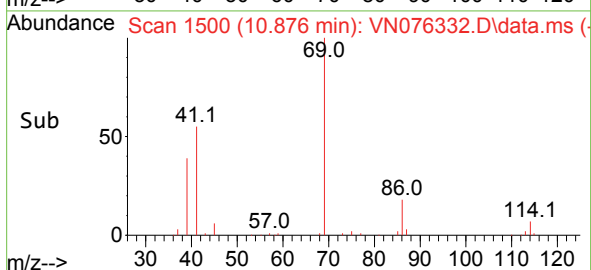
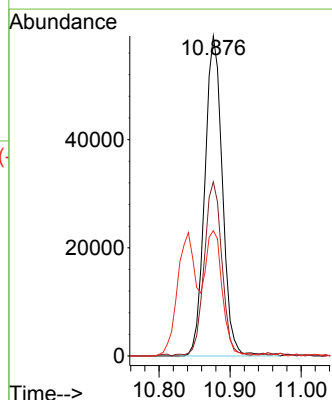
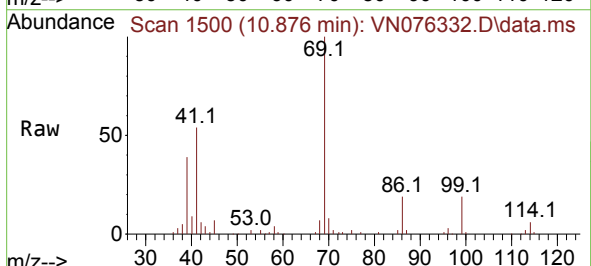
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0119MBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 75029 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 80.2  | 67.8  | 101.6 |
| 85       | 51.5  | 42.3  | 63.5  |
| 99       | 58.2  | 50.6  | 76.0  |

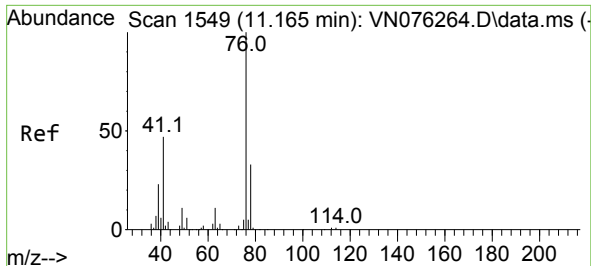


#56  
Ethyl methacrylate  
Concen: 19.942 ug/l  
RT: 10.876 min Scan# 1500  
Delta R.T. 0.000 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 101978 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 55.0  | 45.3  | 67.9   |
| 39       | 36.8  | 29.3  | 43.9   |







#57

1,3-Dichloropropane

Concen: 18.576 ug/l

RT: 11.165 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN076332.D

Acq: 19 Jan 2023 18:55

Instrument :

MSVOA\_N

ClientSampleId :

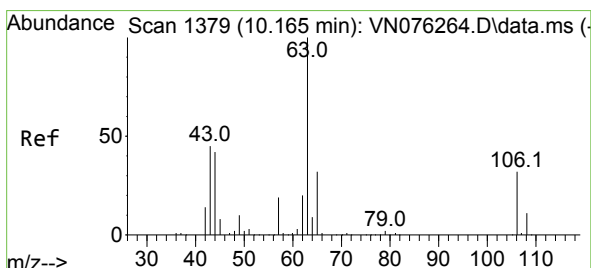
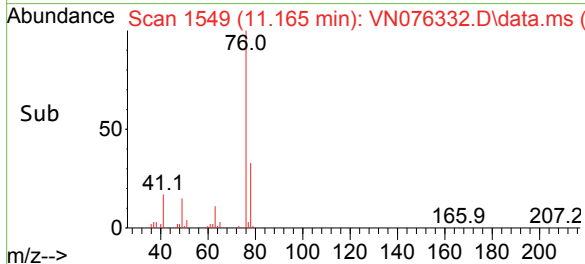
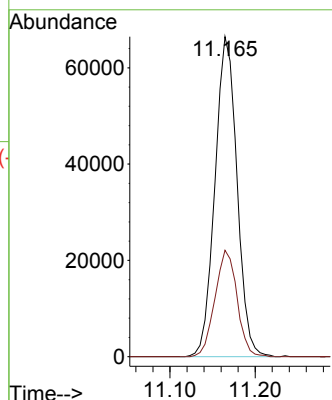
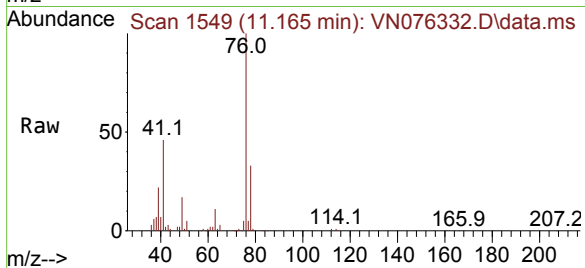
VN0119MBS01

Tgt Ion: 76 Resp: 119568

Ion Ratio Lower Upper

76 100

78 33.3 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 83.713 ug/l

RT: 10.165 min Scan# 1379

Delta R.T. -0.000 min

Lab File: VN076332.D

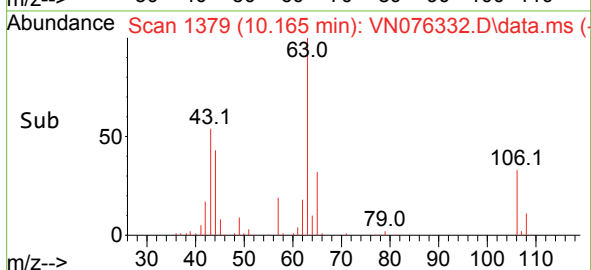
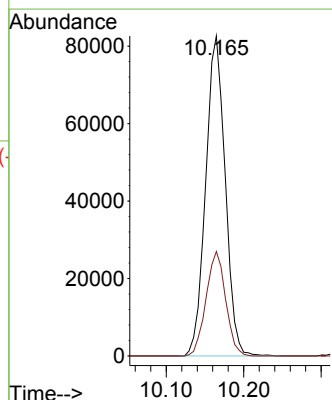
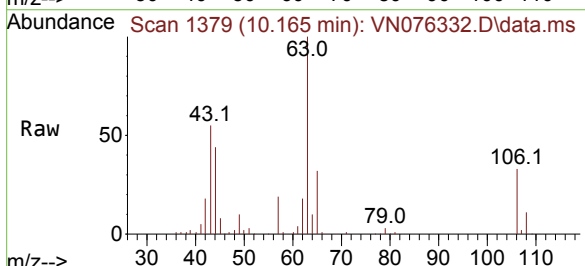
Acq: 19 Jan 2023 18:55

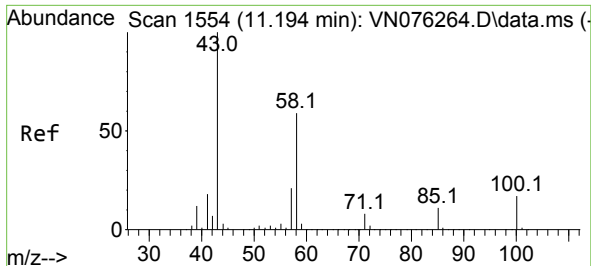
Tgt Ion: 63 Resp: 144517

Ion Ratio Lower Upper

63 100

106 32.7 26.2 39.2

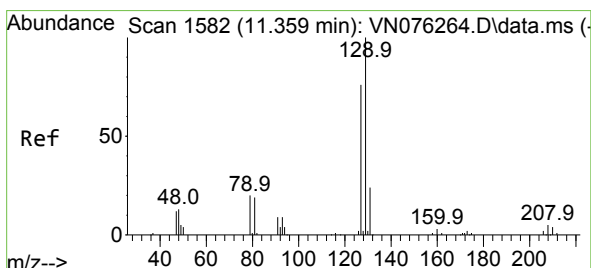
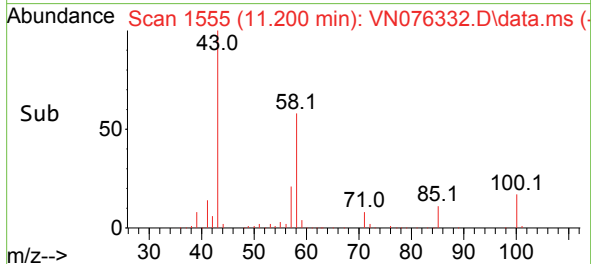
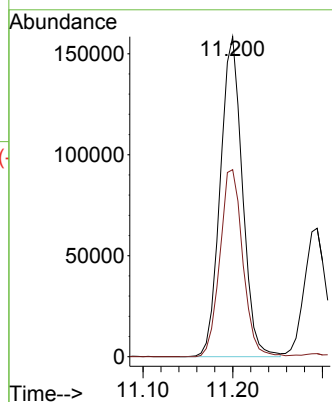
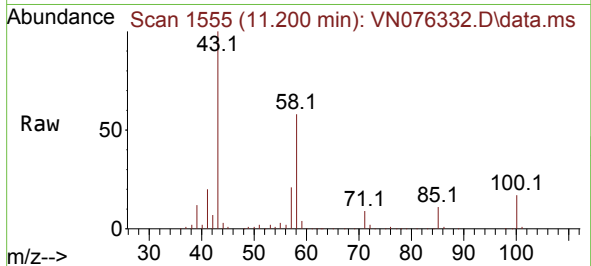




#59  
2-Hexanone  
Concen: 94.199 ug/l  
RT: 11.200 min Scan# 1555  
Delta R.T. 0.006 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

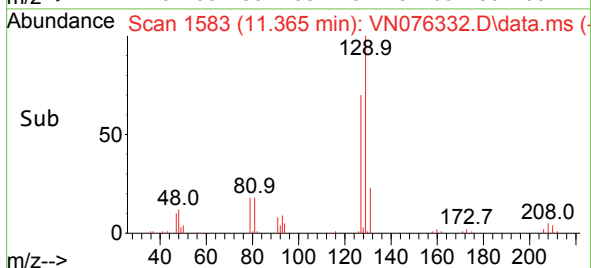
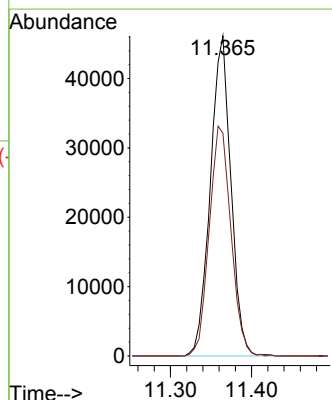
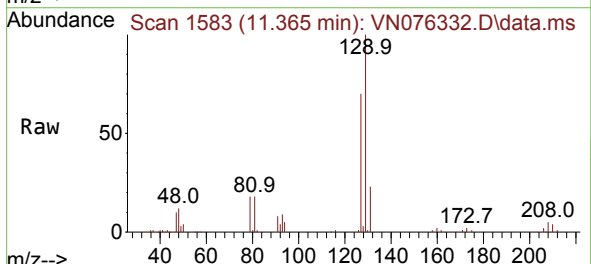
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0119MBS01

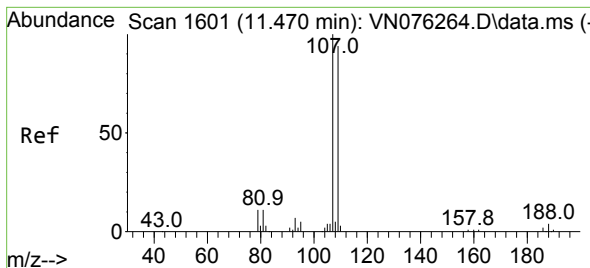
Tgt Ion: 43 Resp: 270969  
Ion Ratio Lower Upper  
43 100  
58 60.4 30.1 90.3



#60  
Dibromochloromethane  
Concen: 19.468 ug/l  
RT: 11.365 min Scan# 1583  
Delta R.T. 0.006 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

Tgt Ion: 129 Resp: 81174  
Ion Ratio Lower Upper  
129 100  
127 75.8 38.7 116.1





#61

1,2-Dibromoethane

Concen: 19.040 ug/l

RT: 11.470 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN076332.D

Acq: 19 Jan 2023 18:55

Instrument :

MSVOA\_N

ClientSampleId :

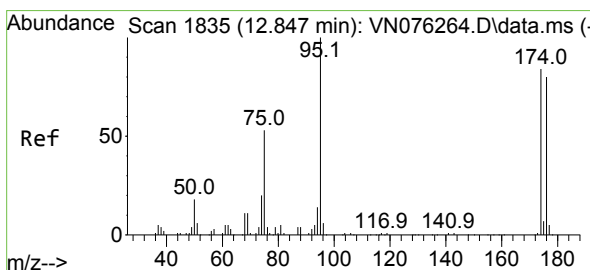
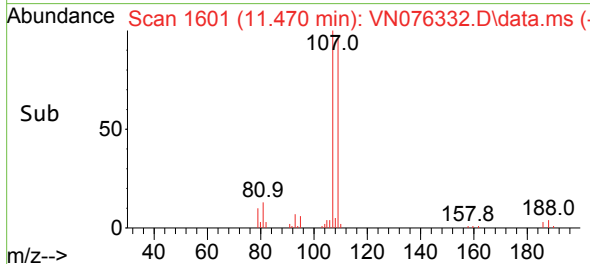
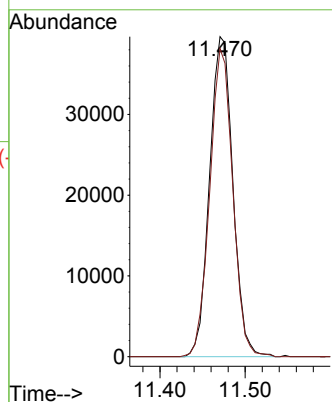
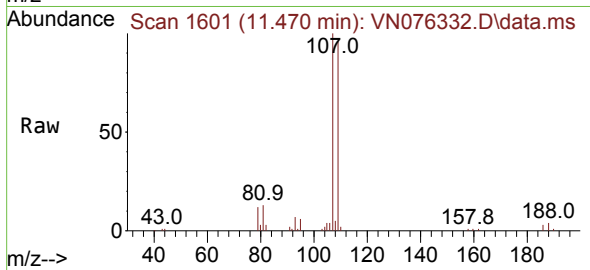
VN0119MBS01

Tgt Ion:107 Resp: 75278

Ion Ratio Lower Upper

107 100

109 94.8 76.0 114.0



#62

4-Bromofluorobenzene

Concen: 49.755 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.006 min

Lab File: VN076332.D

Acq: 19 Jan 2023 18:55

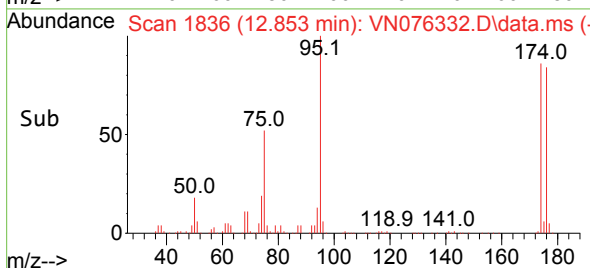
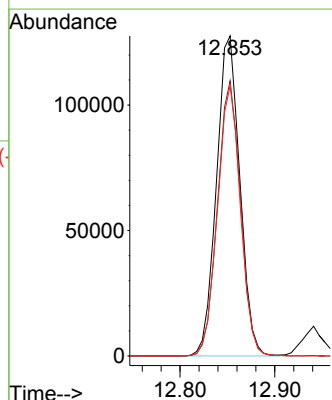
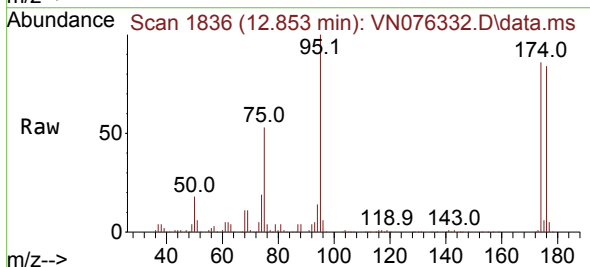
Tgt Ion: 95 Resp: 218768

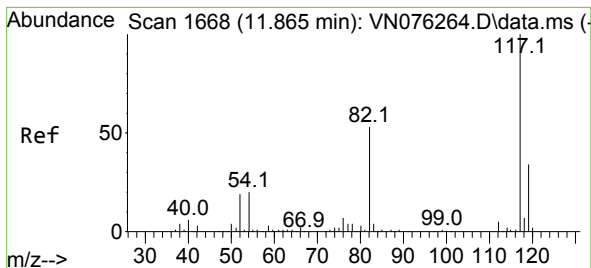
Ion Ratio Lower Upper

95 100

174 84.8 0.0 174.6

176 82.5 0.0 167.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN076332.D

Acq: 19 Jan 2023 18:55

Instrument :

MSVOA\_N

ClientSampleId :

VN0119MBS01

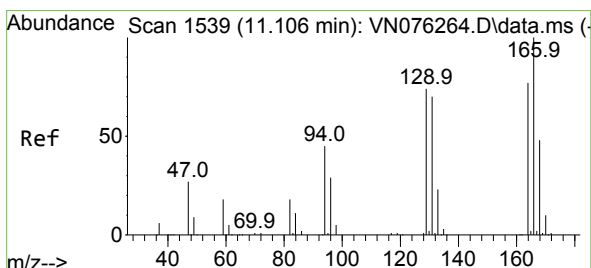
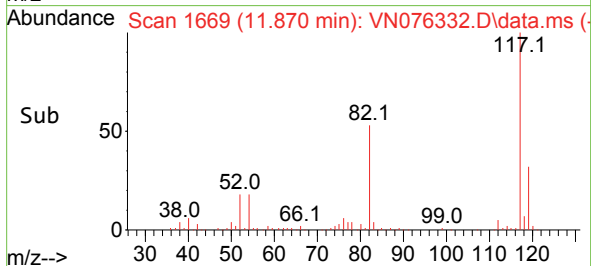
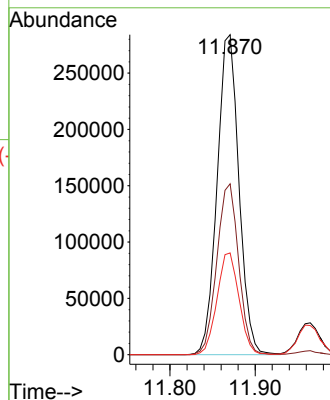
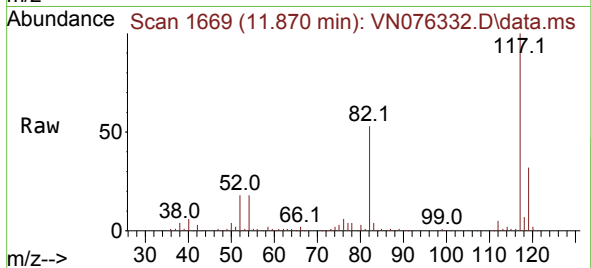
Tgt Ion:117 Resp: 505479

Ion Ratio Lower Upper

117 100

82 53.4 42.2 63.2

119 31.8 26.9 40.3



#64

Tetrachloroethene

Concen: 19.194 ug/l

RT: 11.106 min Scan# 1539

Delta R.T. -0.000 min

Lab File: VN076332.D

Acq: 19 Jan 2023 18:55

Tgt Ion:164 Resp: 87494

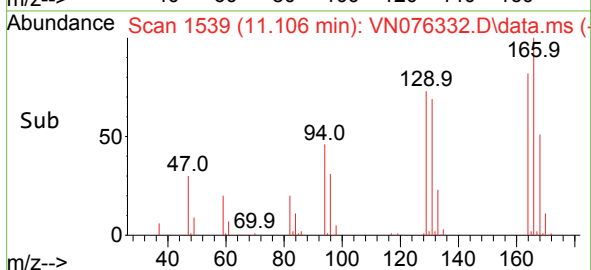
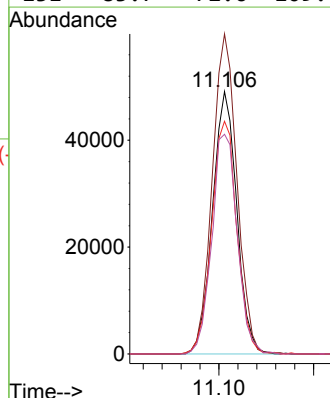
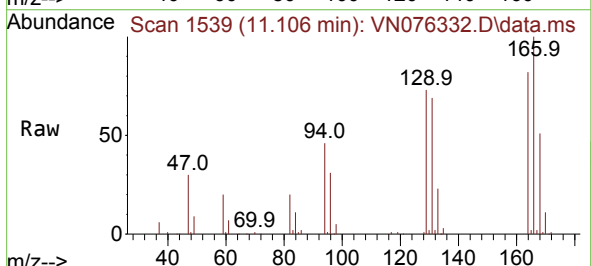
Ion Ratio Lower Upper

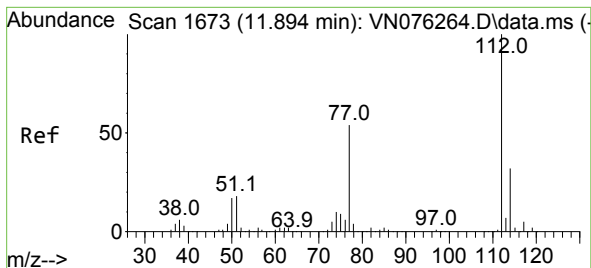
164 100

166 121.9 104.0 156.0

129 88.6 76.6 114.8

131 83.7 72.6 109.0

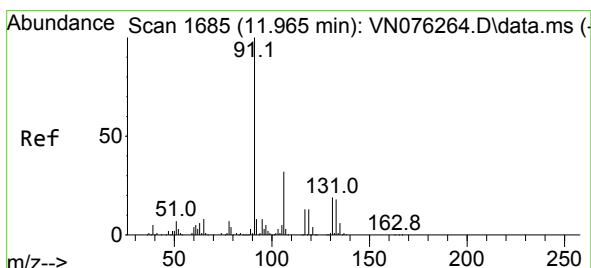
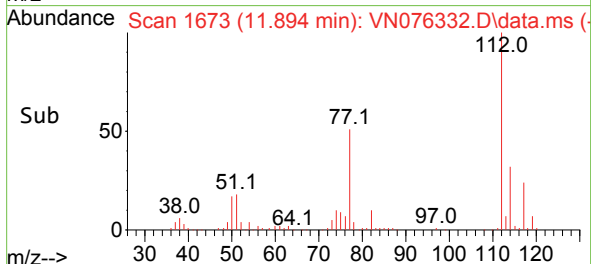
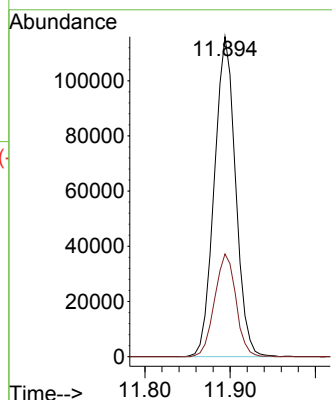
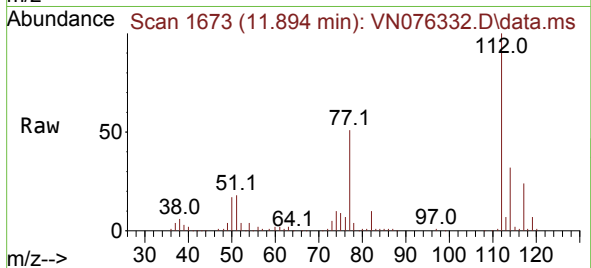




#65  
Chlorobenzene  
Concen: 18.840 ug/l  
RT: 11.894 min Scan# 1673  
Delta R.T. -0.000 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

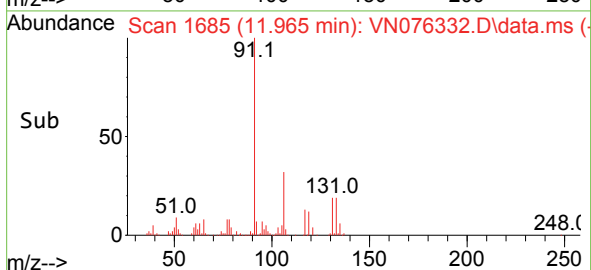
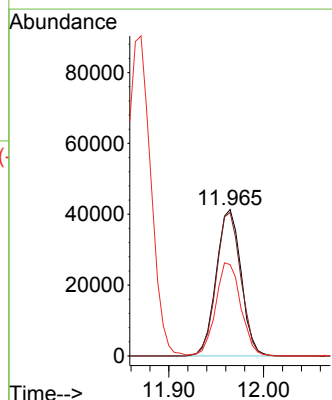
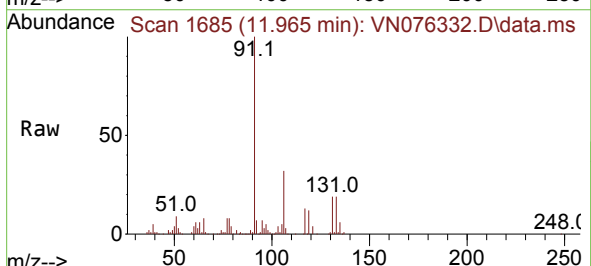
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0119MBS01

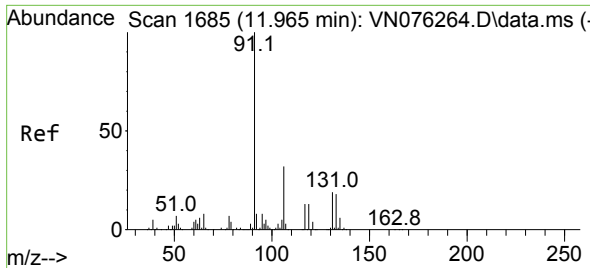
Tgt Ion:112 Resp: 201308  
Ion Ratio Lower Upper  
112 100  
114 32.1 25.3 37.9



#66  
1,1,1,2-Tetrachloroethane  
Concen: 18.949 ug/l  
RT: 11.965 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

Tgt Ion:131 Resp: 75335  
Ion Ratio Lower Upper  
131 100  
133 96.9 47.4 142.2  
119 64.5 32.3 96.8

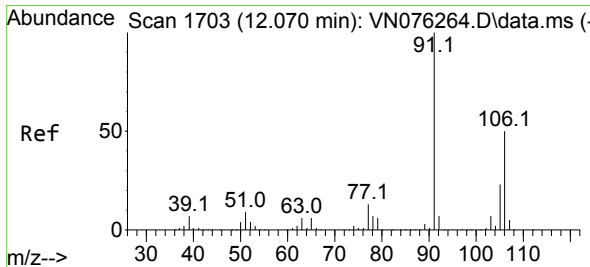
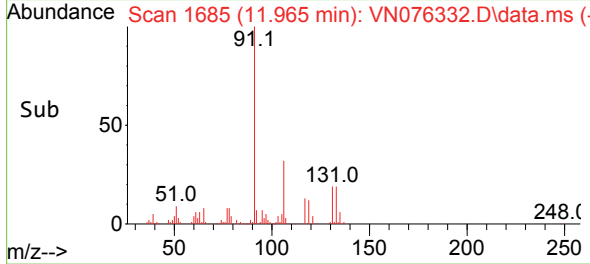
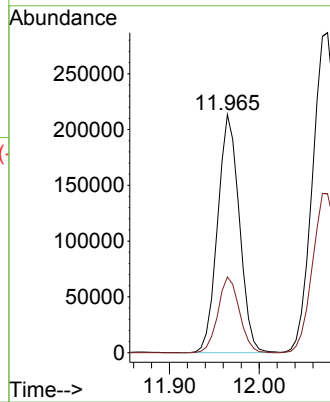
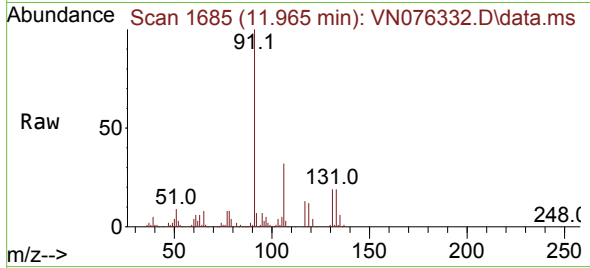




#67  
Ethyl Benzene  
Concen: 19.611 ug/l  
RT: 11.965 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

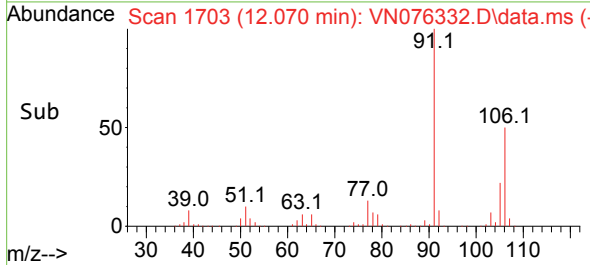
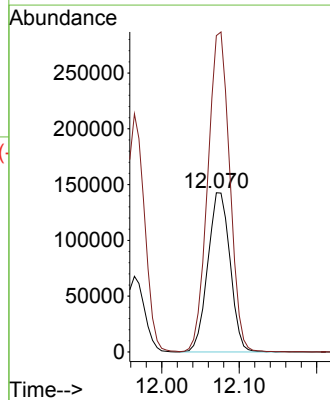
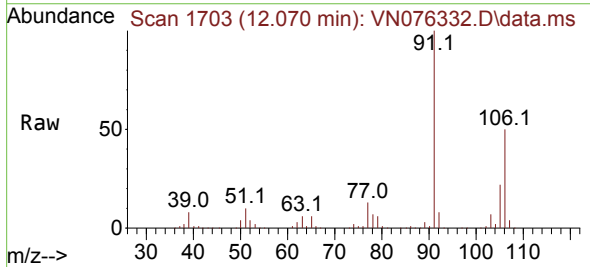
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0119MBS01

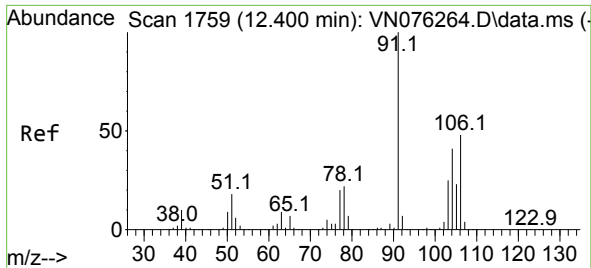
Tgt Ion: 91 Resp: 358631  
Ion Ratio Lower Upper  
91 100  
106 31.8 25.5 38.3



#68  
m/p-Xylenes  
Concen: 38.893 ug/l  
RT: 12.070 min Scan# 1703  
Delta R.T. 0.000 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

Tgt Ion:106 Resp: 285202  
Ion Ratio Lower Upper  
106 100  
91 198.1 157.5 236.3

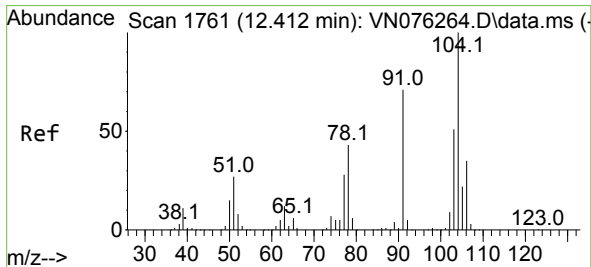
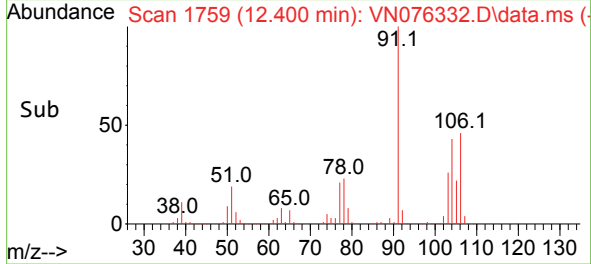
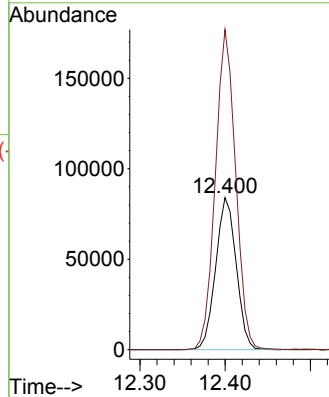
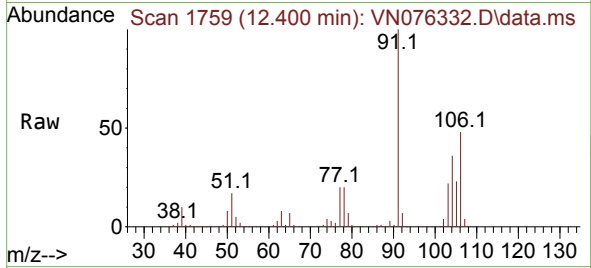




#69  
o-Xylene  
Concen: 19.571 ug/l  
RT: 12.400 min Scan# 1759  
Delta R.T. -0.000 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

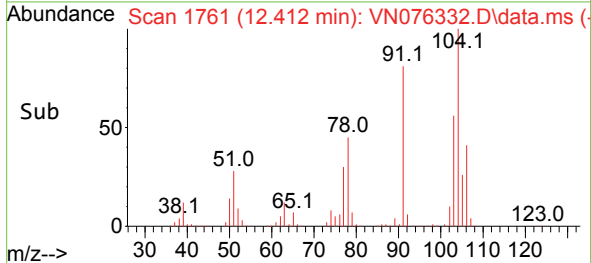
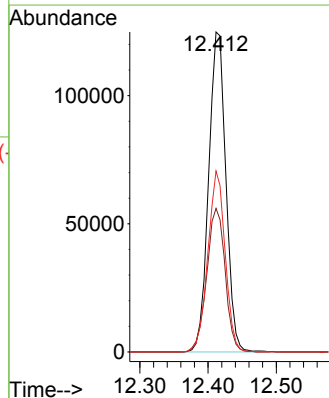
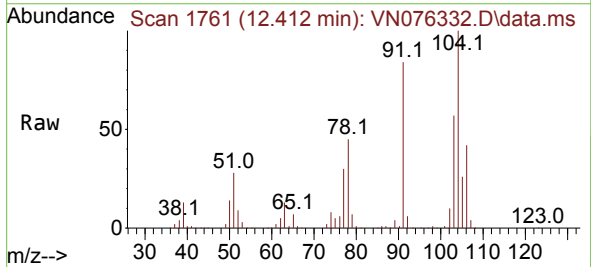
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0119MBS01

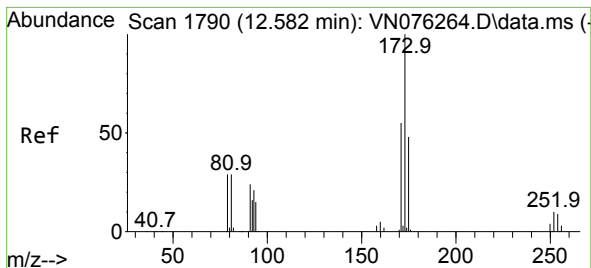
Tgt Ion:106 Resp: 140939  
Ion Ratio Lower Upper  
106 100  
91 208.1 103.2 309.4



#70  
Styrene  
Concen: 19.115 ug/l  
RT: 12.412 min Scan# 1761  
Delta R.T. -0.000 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

Tgt Ion:104 Resp: 219795  
Ion Ratio Lower Upper  
104 100  
78 47.9 37.4 56.0  
103 56.8 44.2 66.2





#71

Bromoform

Concen: 19.198 ug/l

RT: 12.582 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN076332.D

Acq: 19 Jan 2023 18:55

Instrument :

MSVOA\_N

ClientSampleId :

VN0119MBS01

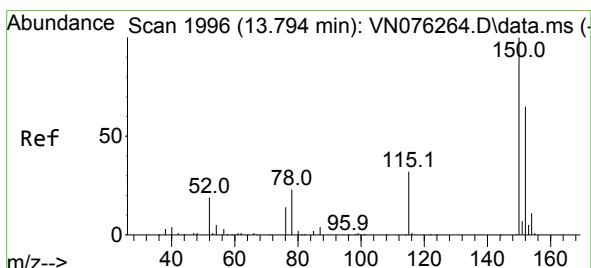
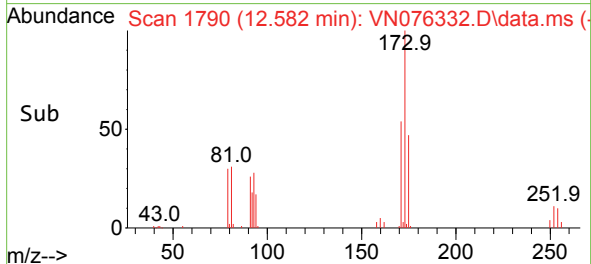
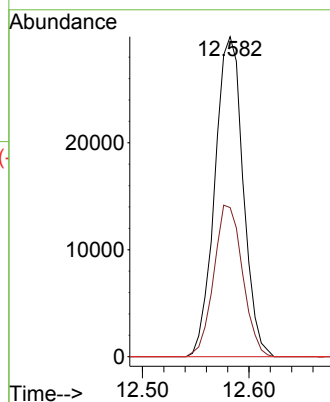
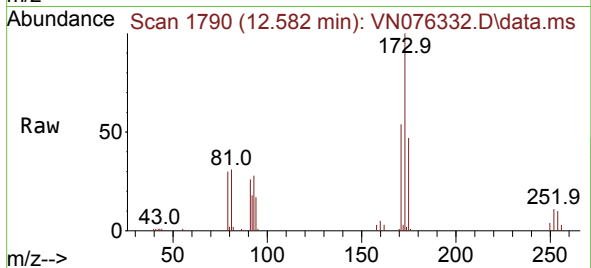
Tgt Ion:173 Resp: 55117

Ion Ratio Lower Upper

173 100

175 48.2 24.1 72.4

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VN076332.D

Acq: 19 Jan 2023 18:55

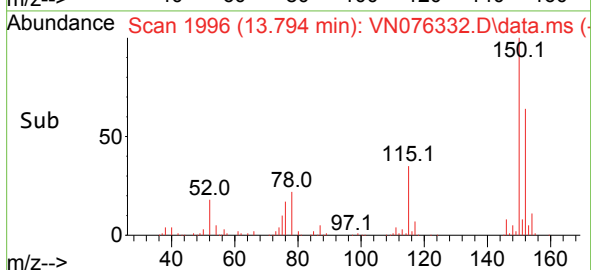
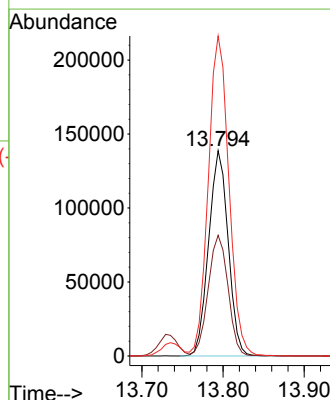
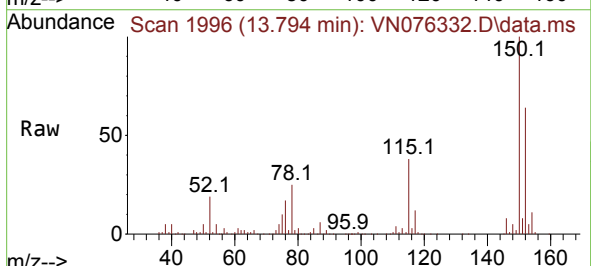
Tgt Ion:152 Resp: 231521

Ion Ratio Lower Upper

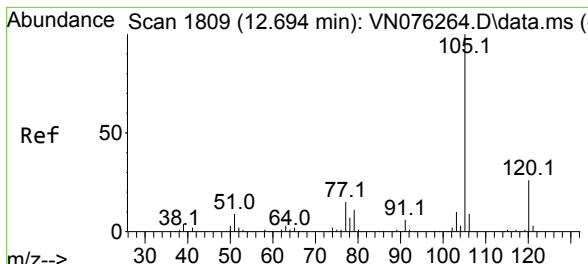
152 100

115 59.6 29.6 88.9

150 164.3 0.0 351.4



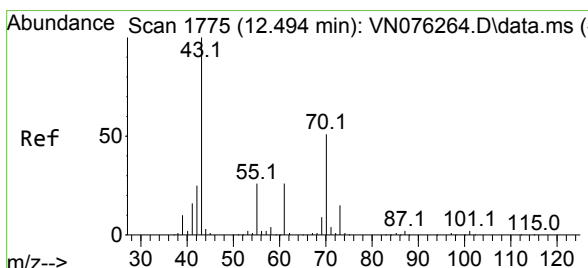
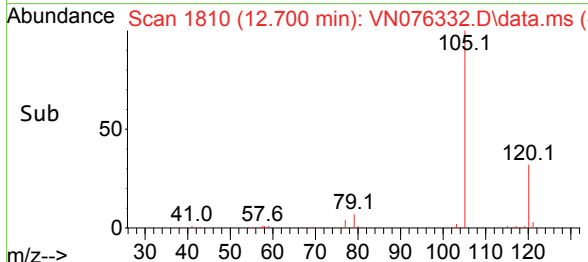
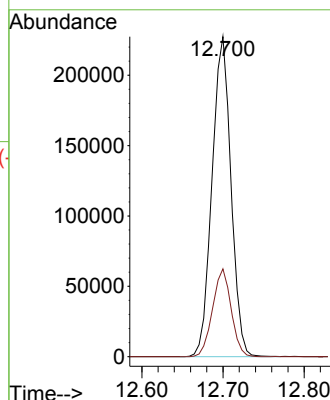
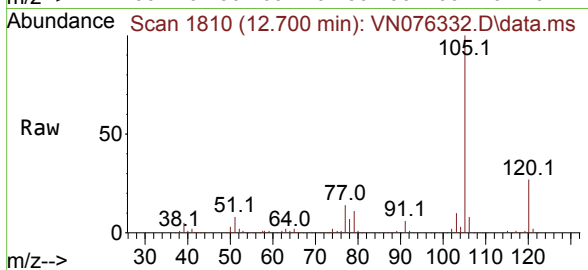




#73  
Isopropylbenzene  
Concen: 20.565 ug/l  
RT: 12.700 min Scan# 1809  
Delta R.T. 0.006 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

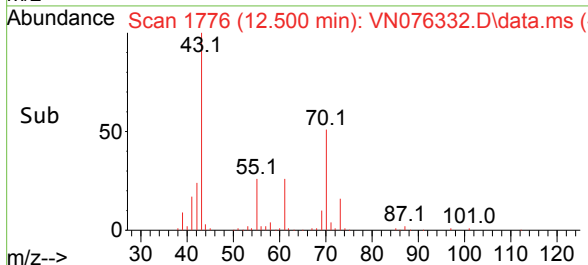
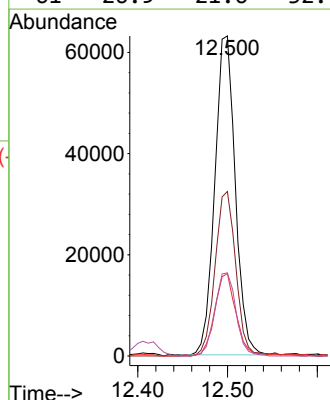
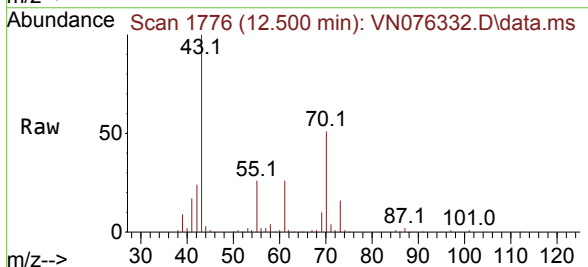
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0119MBS01

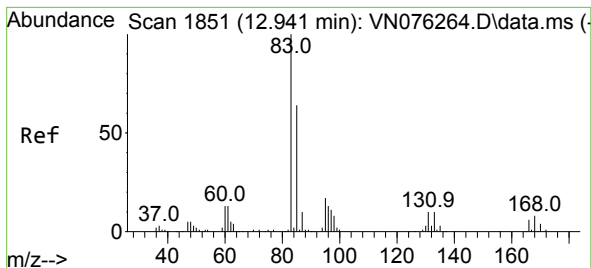
Tgt Ion:105 Resp: 368333  
Ion Ratio Lower Upper  
105 100  
120 26.9 13.4 40.1



#74  
N-ethyl acetate  
Concen: 19.420 ug/l  
RT: 12.500 min Scan# 1776  
Delta R.T. 0.006 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

Tgt Ion: 43 Resp: 100050  
Ion Ratio Lower Upper  
43 100  
70 52.1 41.2 61.8  
55 27.0 21.0 31.6  
61 26.9 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.348 ug/l

RT: 12.941 min Scan# 1851

Delta R.T. -0.000 min

Lab File: VN076332.D

Acq: 19 Jan 2023 18:55

Instrument :

MSVOA\_N

ClientSampleId :

VN0119MBS01

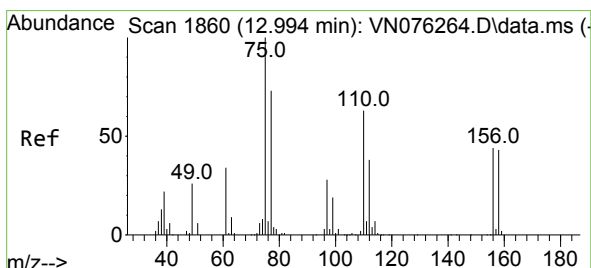
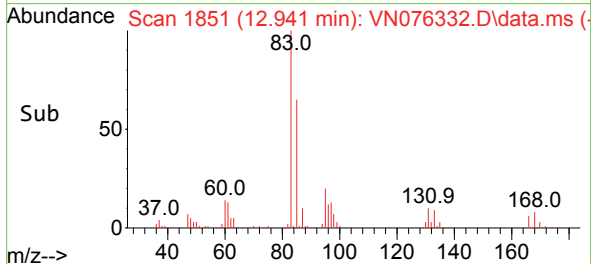
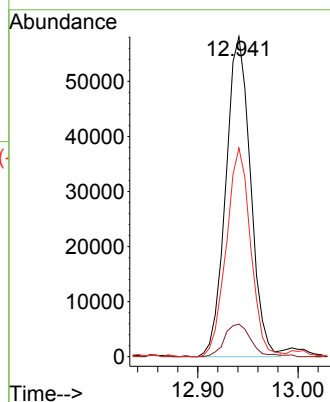
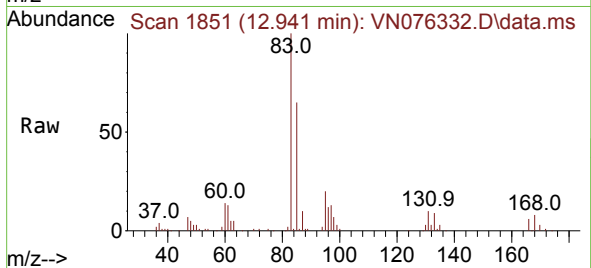
Tgt Ion: 83 Resp: 99618

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.4

85 64.2 31.7 95.1



#76

1,2,3-Trichloropropane

Concen: 28.145 ug/l

RT: 12.994 min Scan# 1860

Delta R.T. -0.000 min

Lab File: VN076332.D

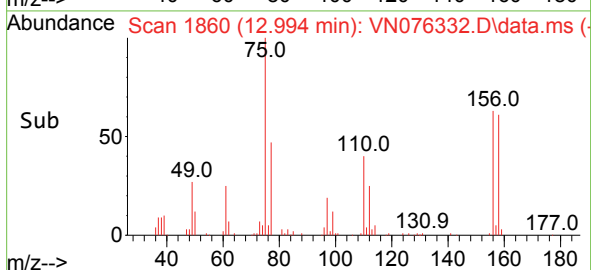
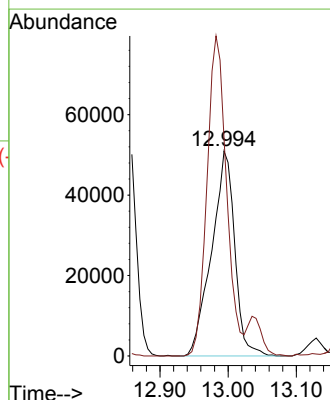
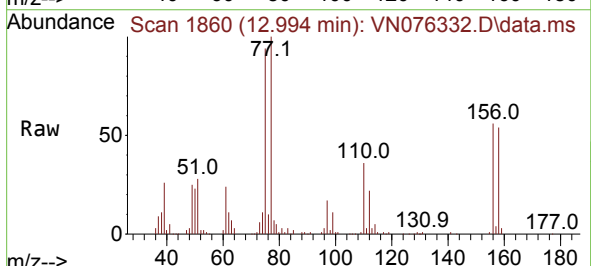
Acq: 19 Jan 2023 18:55

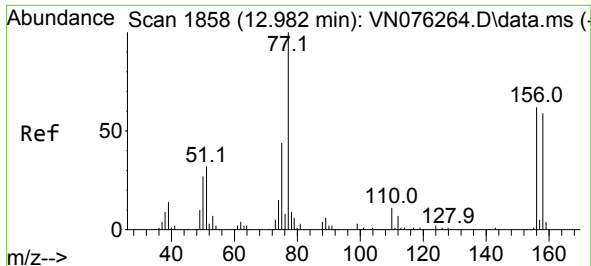
Tgt Ion: 75 Resp: 120455

Ion Ratio Lower Upper

75 100

77 132.1 75.2 225.6

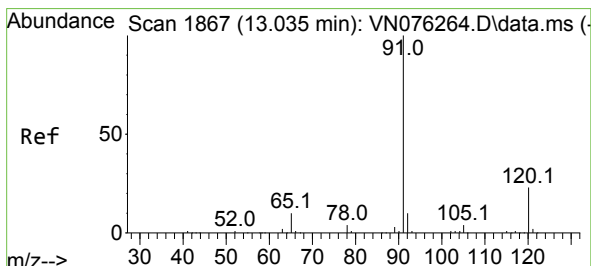
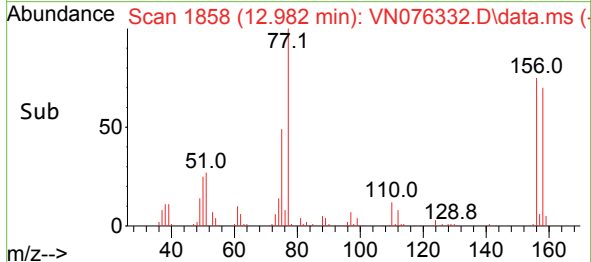
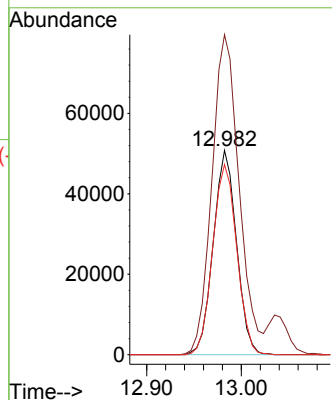
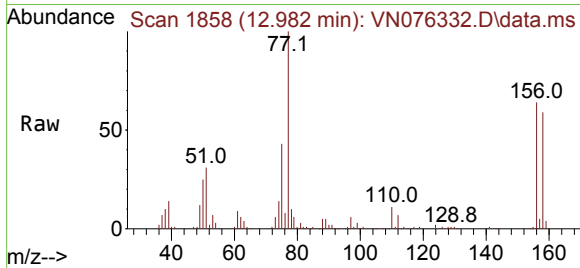




#77  
Bromobenzene  
Concen: 20.321 ug/l  
RT: 12.982 min Scan# 1858  
Delta R.T. 0.000 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

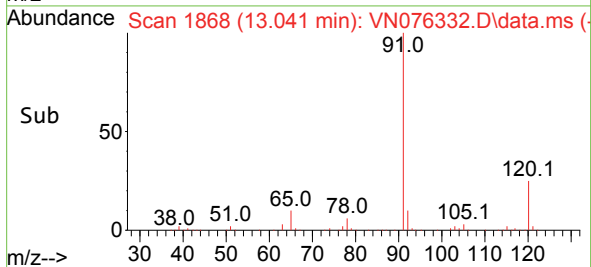
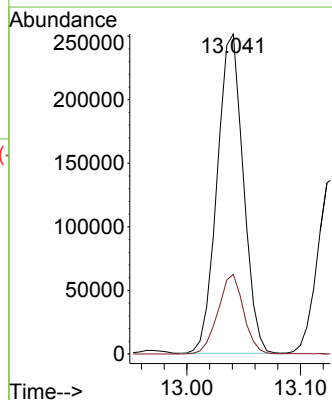
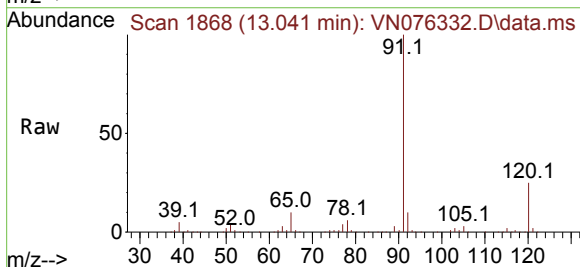
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0119MBS01

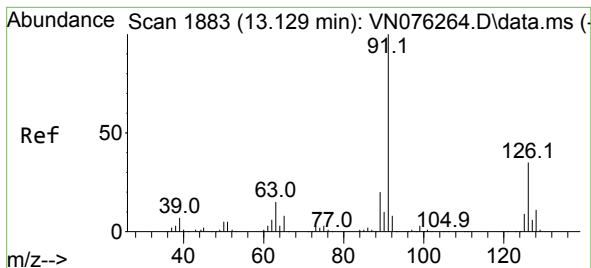
Tgt Ion:156 Resp: 86487  
Ion Ratio Lower Upper  
156 100  
77 183.9 93.4 280.2  
158 96.7 48.4 145.2



#78  
n-propylbenzene  
Concen: 19.899 ug/l  
RT: 13.041 min Scan# 1868  
Delta R.T. 0.006 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

Tgt Ion: 91 Resp: 402143  
Ion Ratio Lower Upper  
91 100  
120 24.3 11.9 35.5





#79

2-Chlorotoluene

Concen: 19.599 ug/l

RT: 13.129 min Scan# 1883

Delta R.T. 0.000 min

Lab File: VN076332.D

Acq: 19 Jan 2023 18:55

Instrument :

MSVOA\_N

ClientSampleId :

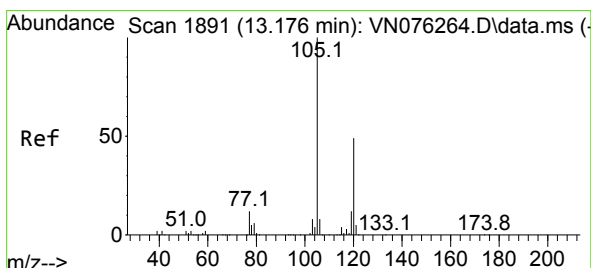
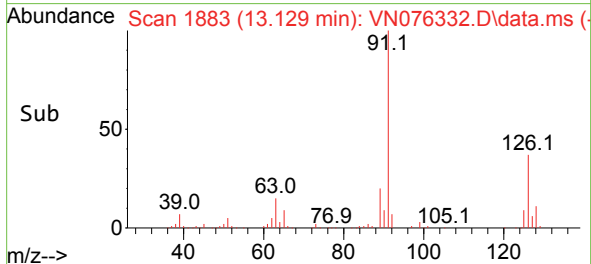
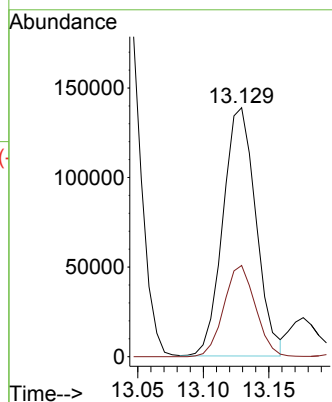
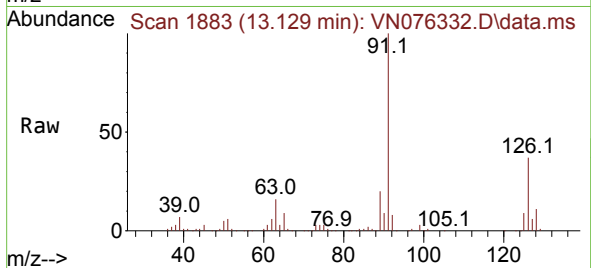
VN0119MBS01

Tgt Ion: 91 Resp: 243052

Ion Ratio Lower Upper

91 100

126 35.1 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 20.424 ug/l

RT: 13.176 min Scan# 1891

Delta R.T. 0.000 min

Lab File: VN076332.D

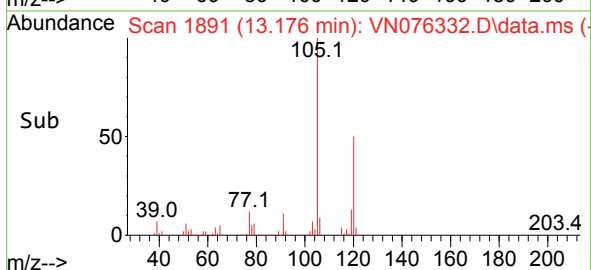
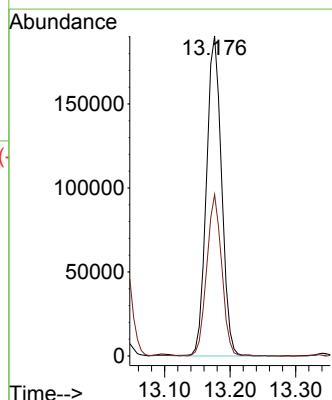
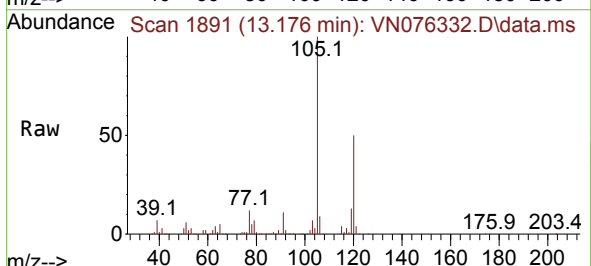
Acq: 19 Jan 2023 18:55

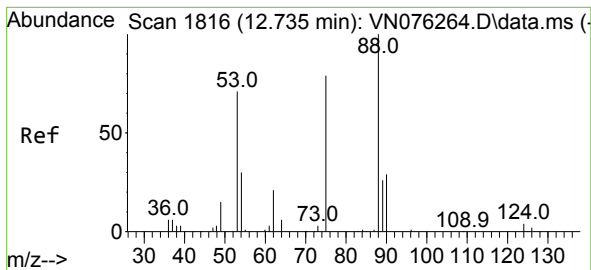
Tgt Ion:105 Resp: 306451

Ion Ratio Lower Upper

105 100

120 49.9 25.0 75.0

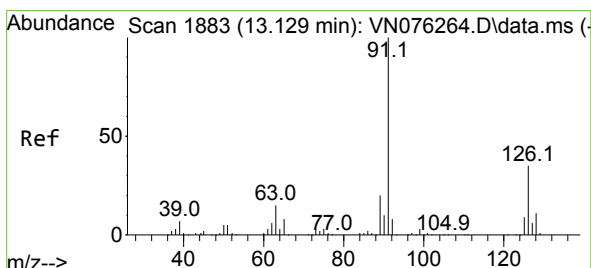
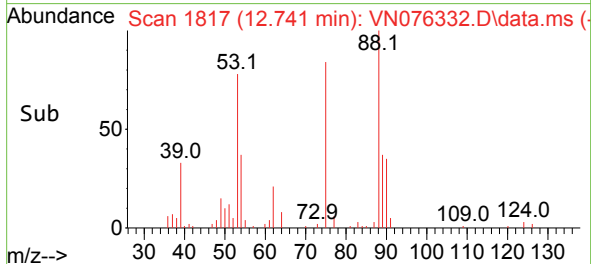
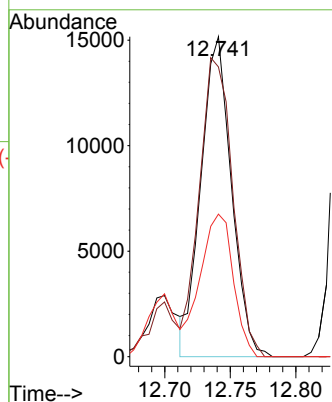
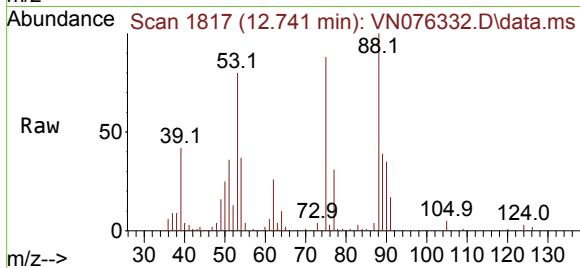




#81  
trans-1,4-Dichloro-2-butene  
Concen: 17.535 ug/l  
RT: 12.741 min Scan# 1817  
Delta R.T. 0.006 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

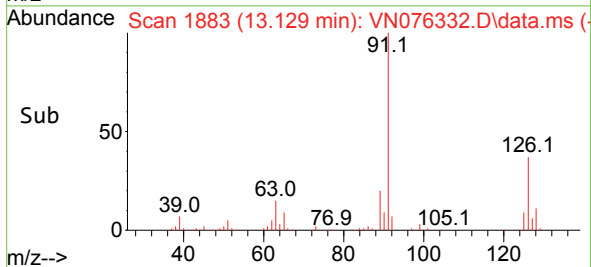
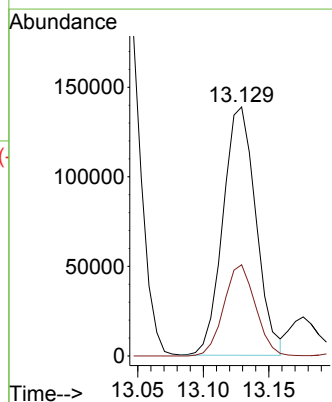
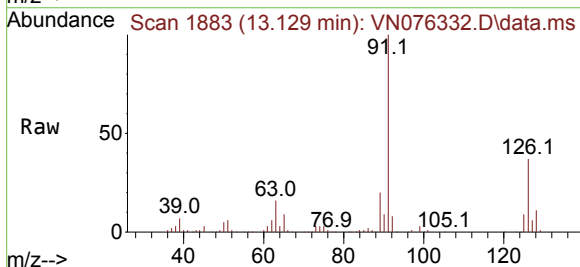
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0119MBS01

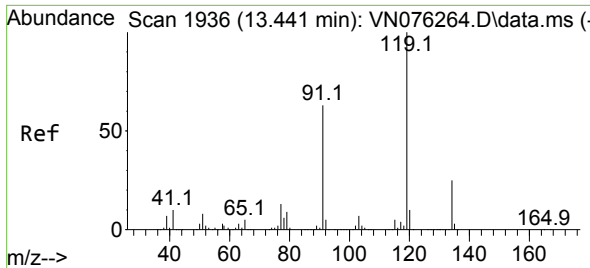
Tgt Ion: 75 Resp: 24400  
Ion Ratio Lower Upper  
75 100  
53 102.9 75.8 113.8  
89 48.8 37.0 55.6



#82  
4-Chlorotoluene  
Concen: 19.599 ug/l  
RT: 13.129 min Scan# 1883  
Delta R.T. 0.000 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

Tgt Ion: 91 Resp: 243052  
Ion Ratio Lower Upper  
91 100  
126 35.1 17.4 52.2

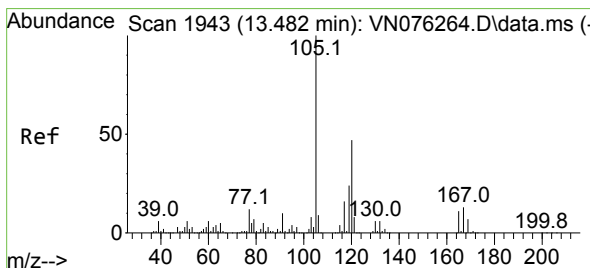
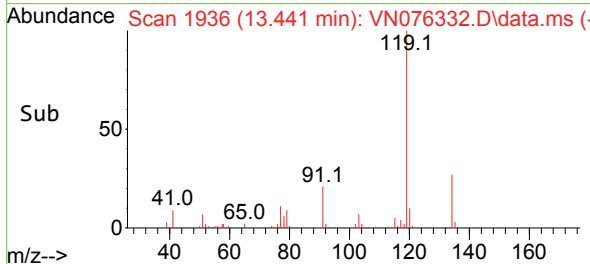
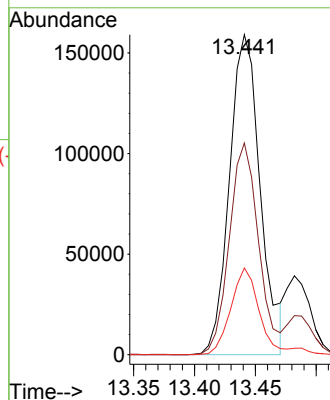
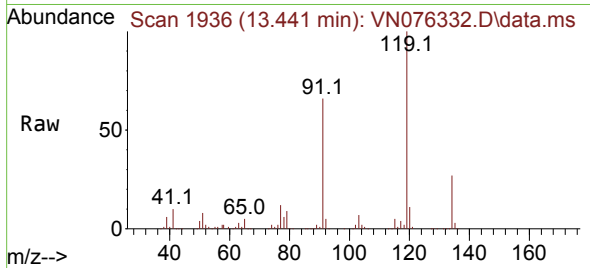




#83  
tert-Butylbenzene  
Concen: 20.968 ug/l  
RT: 13.441 min Scan# 1936  
Delta R.T. -0.000 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

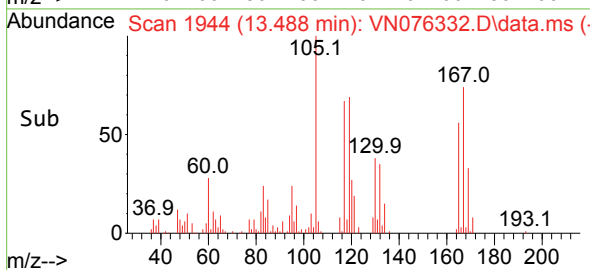
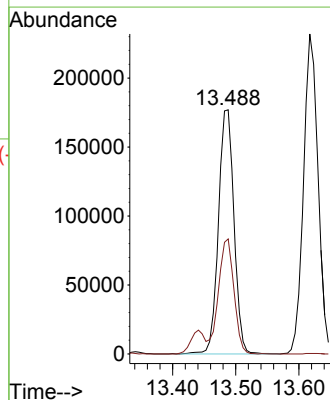
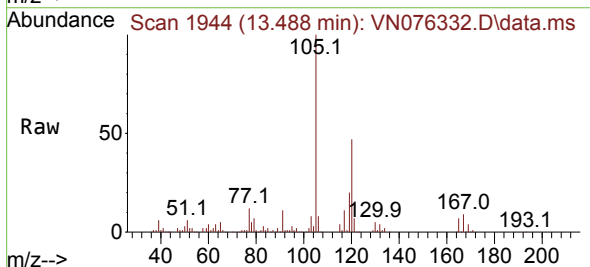
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0119MBS01

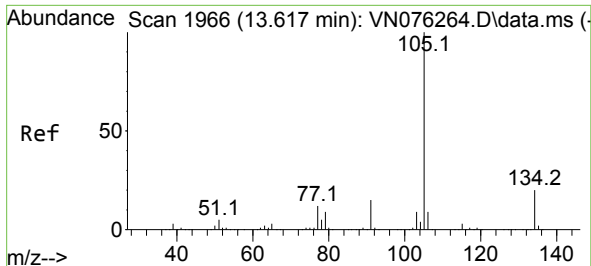
Tgt Ion:119 Resp: 279819  
Ion Ratio Lower Upper  
119 100  
91 63.0 32.2 96.6  
134 25.9 13.6 40.8



#84  
1,2,4-Trimethylbenzene  
Concen: 20.117 ug/l  
RT: 13.488 min Scan# 1944  
Delta R.T. 0.006 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

Tgt Ion:105 Resp: 302678  
Ion Ratio Lower Upper  
105 100  
120 47.3 22.9 68.5

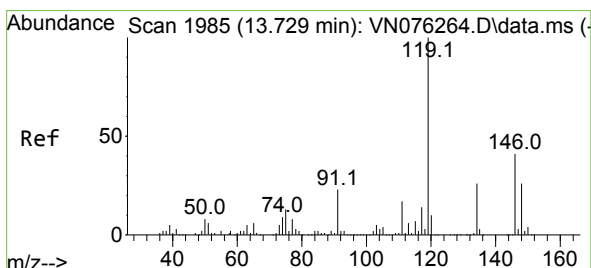
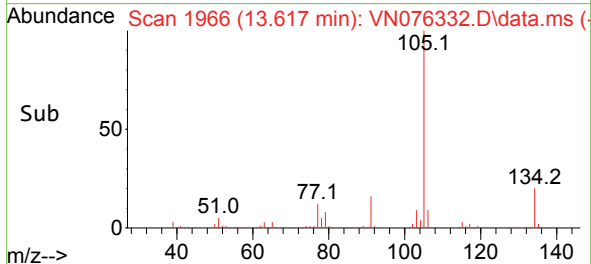
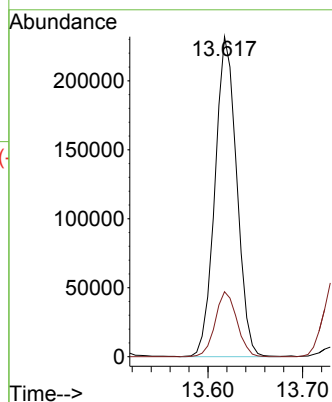
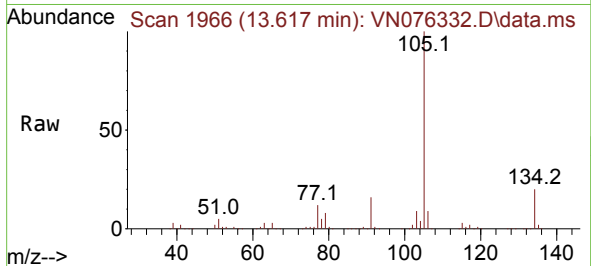




#85  
 sec-Butylbenzene  
 Concen: 19.997 ug/l  
 RT: 13.617 min Scan# 1966  
 Delta R.T. 0.000 min  
 Lab File: VN076332.D  
 Acq: 19 Jan 2023 18:55

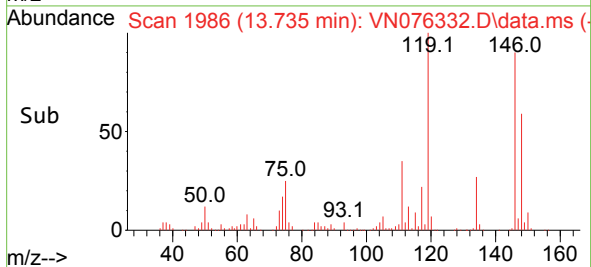
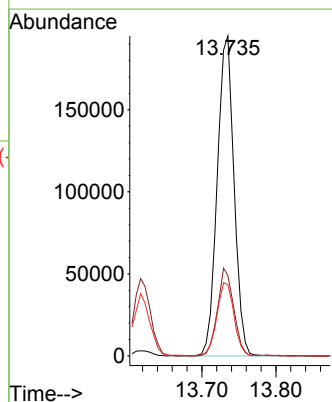
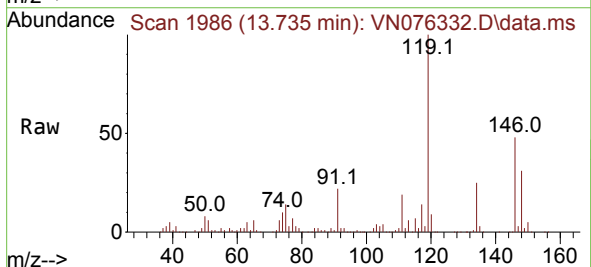
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0119MBS01

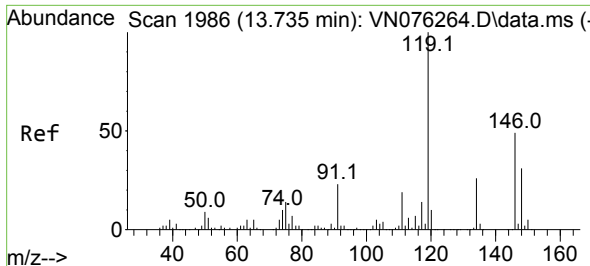
Tgt Ion:105 Resp: 370309  
 Ion Ratio Lower Upper  
 105 100  
 134 20.3 10.3 30.8



#86  
 p-Isopropyltoluene  
 Concen: 20.186 ug/l  
 RT: 13.735 min Scan# 1986  
 Delta R.T. 0.006 min  
 Lab File: VN076332.D  
 Acq: 19 Jan 2023 18:55

Tgt Ion:119 Resp: 307388  
 Ion Ratio Lower Upper  
 119 100  
 134 26.4 13.2 39.6  
 91 23.4 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 18.430 ug/l

RT: 13.735 min Scan# 1986

Delta R.T. 0.000 min

Lab File: VN076332.D

Acq: 19 Jan 2023 18:55

Instrument :

MSVOA\_N

ClientSampleId :

VN0119MBS01

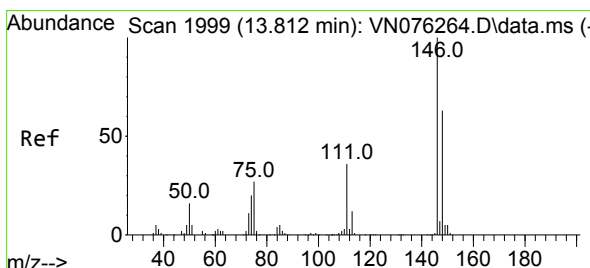
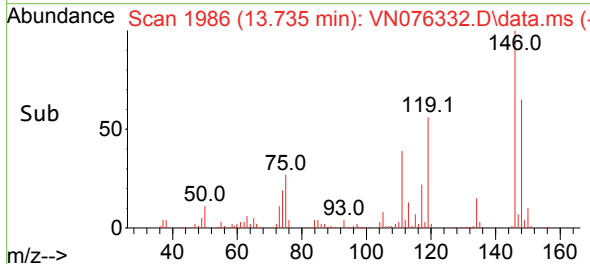
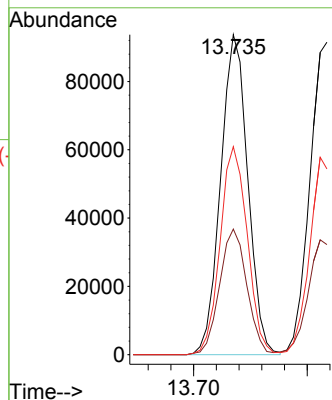
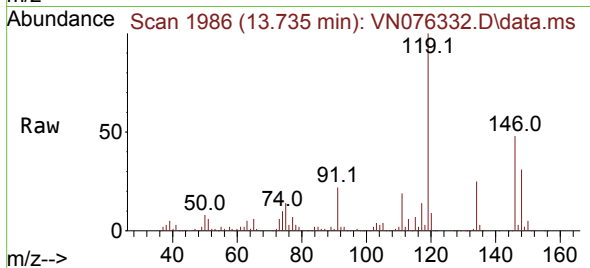
Tgt Ion:146 Resp: 155586

Ion Ratio Lower Upper

146 100

111 39.5 19.9 59.7

148 65.1 31.6 94.8



#88

1,4-Dichlorobenzene

Concen: 19.222 ug/l

RT: 13.817 min Scan# 2000

Delta R.T. 0.005 min

Lab File: VN076332.D

Acq: 19 Jan 2023 18:55

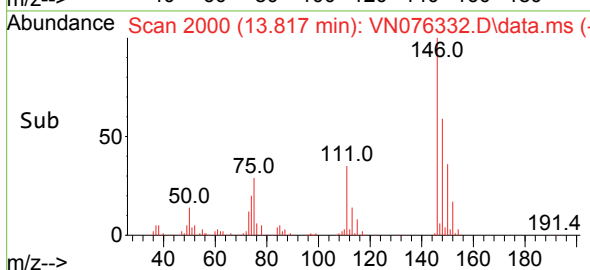
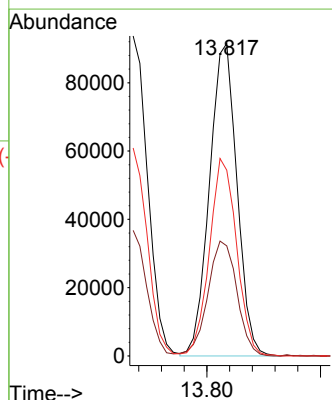
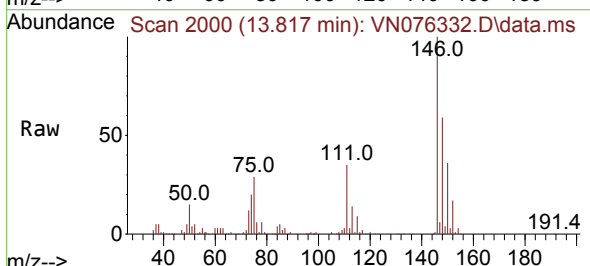
Tgt Ion:146 Resp: 153857

Ion Ratio Lower Upper

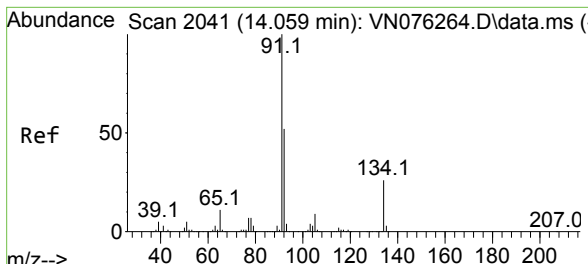
146 100

111 39.1 19.1 57.5

148 62.6 31.9 95.9



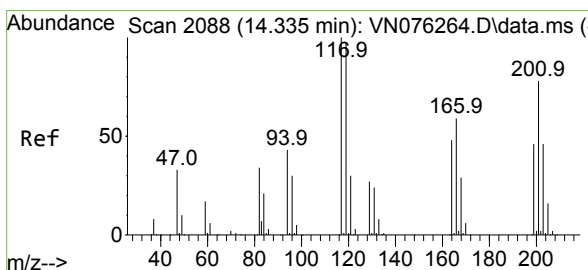
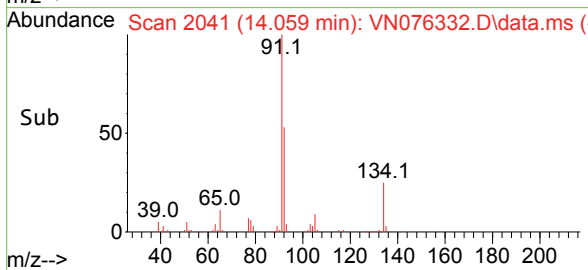
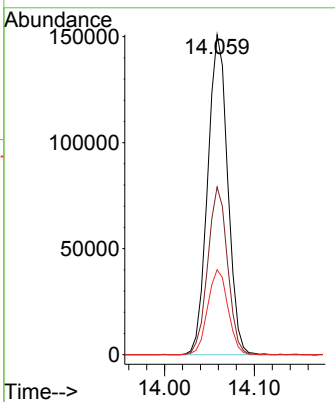
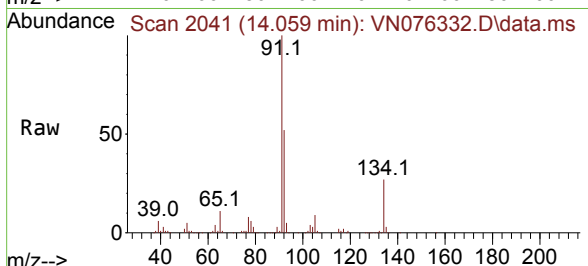




#89  
 n-Butylbenzene  
 Concen: 19.321 ug/l  
 RT: 14.059 min Scan# 2041  
 Delta R.T. -0.000 min  
 Lab File: VN076332.D  
 Acq: 19 Jan 2023 18:55

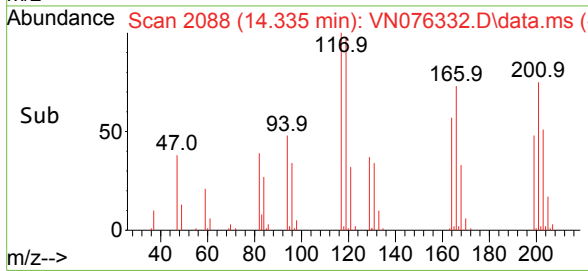
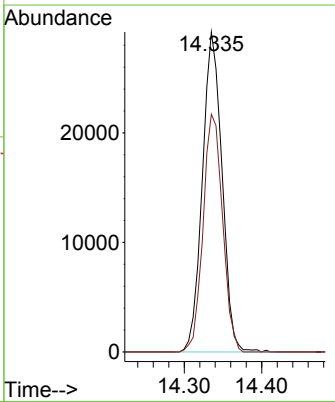
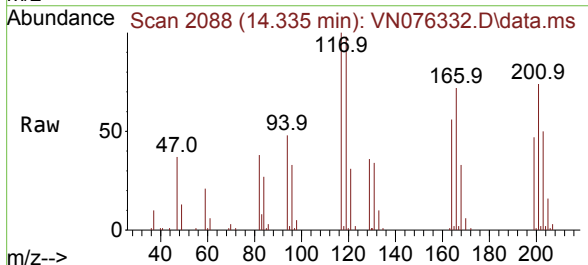
Instrument : MSVOA\_N  
 ClientSampleId : VN0119MBS01

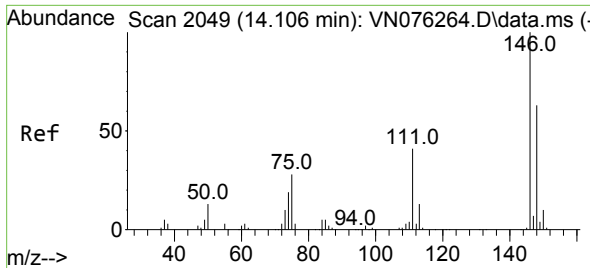
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 233556 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 92       | 51.8  | 26.3  | 78.9   |
| 134      | 27.0  | 13.2  | 39.5   |



#90  
 Hexachloroethane  
 Concen: 19.540 ug/l  
 RT: 14.335 min Scan# 2088  
 Delta R.T. 0.000 min  
 Lab File: VN076332.D  
 Acq: 19 Jan 2023 18:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 51354 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 73.7  | 37.3  | 111.9 |

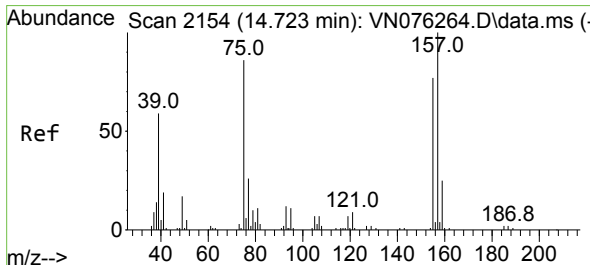
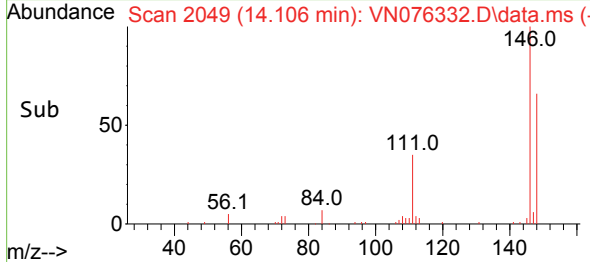
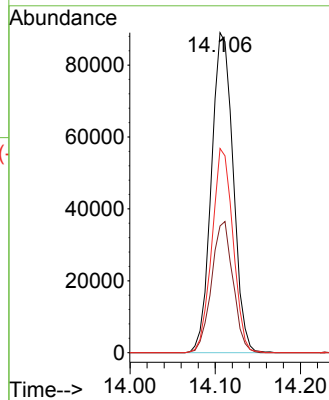
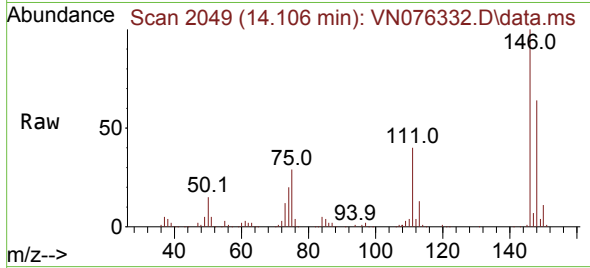




#91  
1,2-Dichlorobenzene  
Concen: 18.770 ug/l  
RT: 14.106 min Scan# 2049  
Delta R.T. -0.000 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

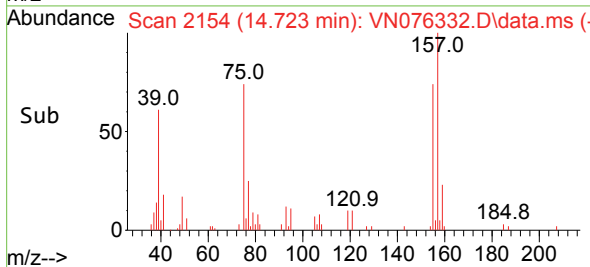
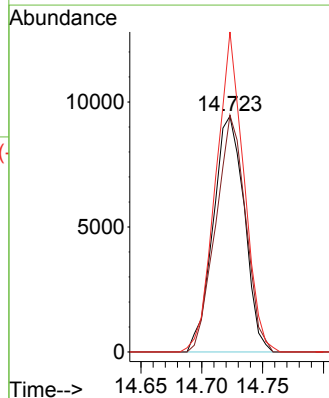
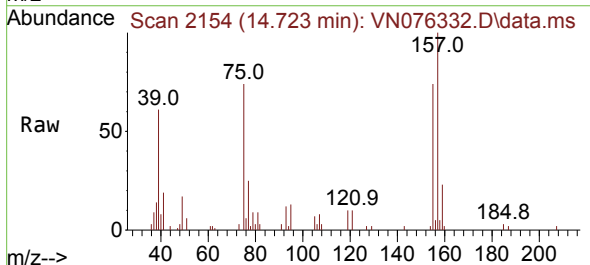
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0119MBS01

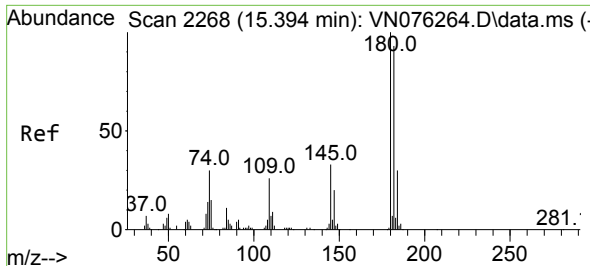
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:146 | Resp: | 157817      |
| Ion         | Ratio | Lower Upper |
| 146         | 100   |             |
| 111         | 40.5  | 20.3 60.8   |
| 148         | 61.9  | 31.8 95.4   |



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 18.722 ug/l  
RT: 14.723 min Scan# 2154  
Delta R.T. 0.000 min  
Lab File: VN076332.D  
Acq: 19 Jan 2023 18:55

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 75 | Resp: | 16756       |
| Ion         | Ratio | Lower Upper |
| 75          | 100   |             |
| 155         | 96.4  | 45.0 135.0  |
| 157         | 122.1 | 58.3 174.9  |

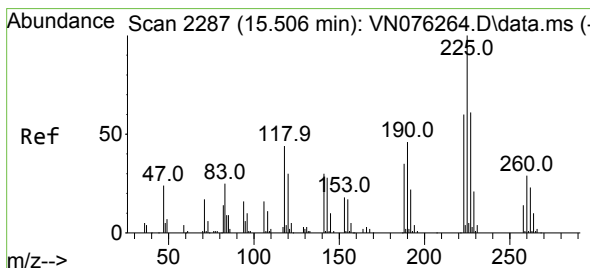
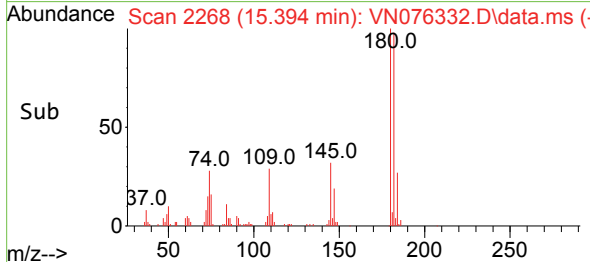
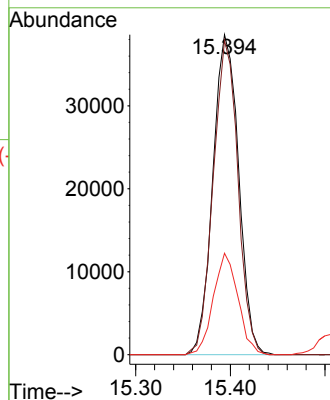
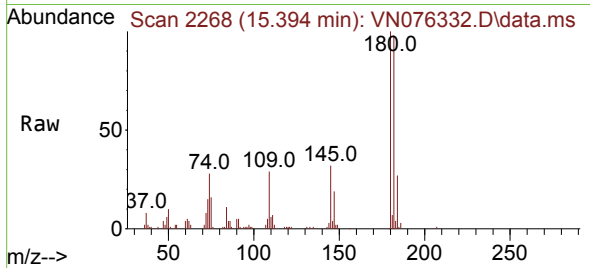




#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.783 ug/l  
 RT: 15.394 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VN076332.D  
 Acq: 19 Jan 2023 18:55

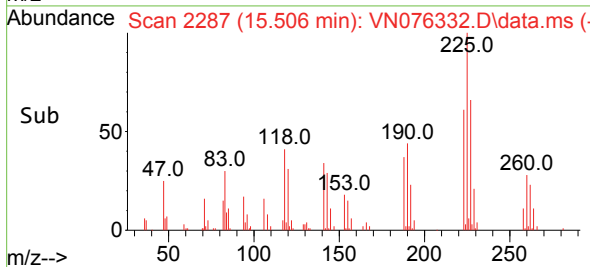
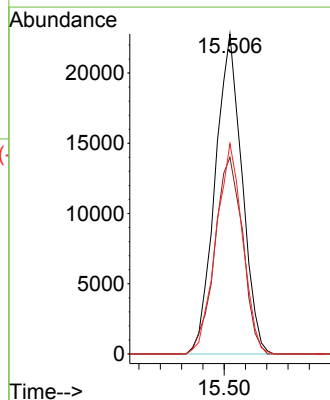
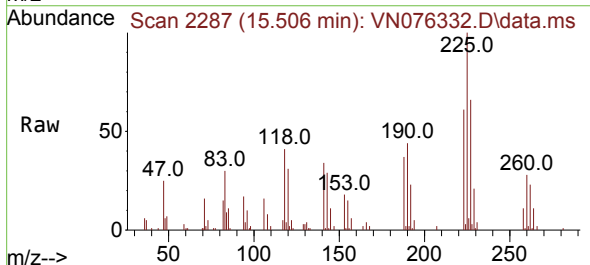
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0119MBS01

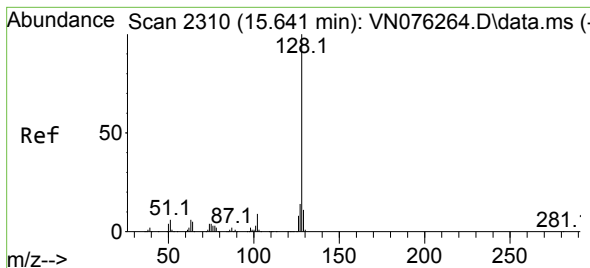
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.0  | 47.0  | 141.2 |
| 145     | 30.4  | 15.2  | 45.5  |



#94  
 Hexachlorobutadiene  
 Concen: 17.842 ug/l  
 RT: 15.506 min Scan# 2287  
 Delta R.T. -0.001 min  
 Lab File: VN076332.D  
 Acq: 19 Jan 2023 18:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 64.0  | 30.8  | 92.3  |
| 227     | 65.3  | 30.9  | 92.8  |





#95

Naphthalene

Concen: 18.641 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. -0.000 min

Lab File: VN076332.D

Acq: 19 Jan 2023 18:55

Instrument :

MSVOA\_N

ClientSampleId :

VN0119MBS01

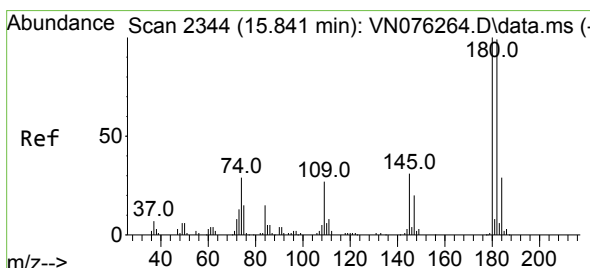
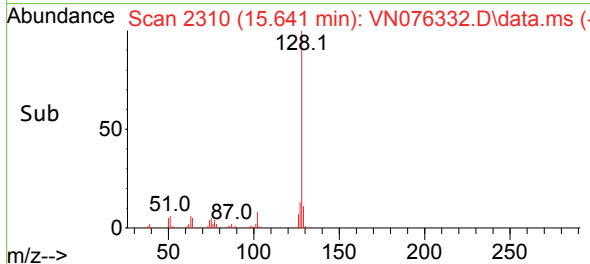
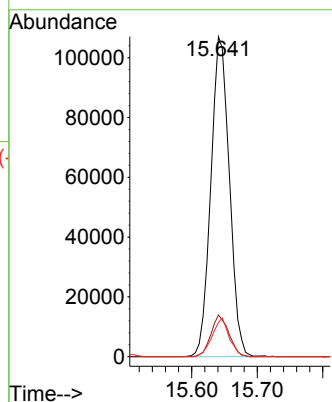
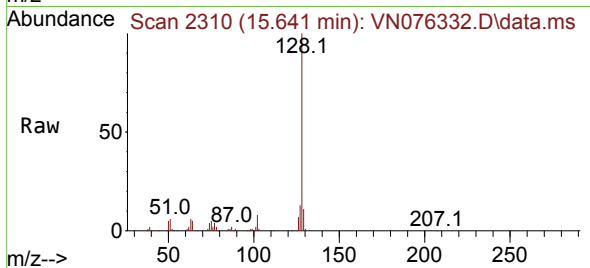
Tgt Ion:128 Resp: 209834

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 11.1 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 18.479 ug/l

RT: 15.841 min Scan# 2344

Delta R.T. -0.000 min

Lab File: VN076332.D

Acq: 19 Jan 2023 18:55

Tgt Ion:180 Resp: 68678

Ion Ratio Lower Upper

180 100

182 95.8 47.5 142.5

145 32.2 15.9 47.6

