

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062821\  
 Data File : VN067526.D  
 Acq On : 28 Jun 2021 12:13  
 Operator : JC/MD  
 Sample : VSTDIC005  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 6/29/2021 6:22:15 PM

Quant Time: Jun 28 13:38:28 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062821W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 28 13:37:18 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 8.088          | 168  | 239971     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.968          | 114  | 449258     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.747         | 117  | 415822     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.678         | 152  | 159555     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.437          | 65   | 19544      | 4.268    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = | 8.540%#  |        |          |
| 35) Dibromofluoromethane     | 8.024          | 113  | 14711      | 5.322    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = | 10.640%# |        |          |
| 50) Toluene-d8               | 10.443         | 98   | 60098      | 5.177    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = | 10.360%# |        |          |
| 62) 4-Bromofluorobenzene     | 12.734         | 95   | 19926      | 4.815    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = | 9.640%#  |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.073          | 85   | 12682      | 3.391    | ug/l   | 100      |
| 3) Chloromethane             | 2.301          | 50   | 17299      | 4.106    | ug/l   | 91       |
| 4) Vinyl Chloride            | 2.443          | 62   | 23299      | 5.850    | ug/l   | 97       |
| 5) Bromomethane              | 2.842          | 94   | 17712      | 7.487    | ug/l   | 94       |
| 6) Chloroethane              | 3.009          | 64   | 17047      | 6.547    | ug/l   | 92       |
| 7) Trichlorofluoromethane    | 3.368          | 101  | 42793      | 6.881    | ug/l   | 98       |
| 8) Diethyl Ether             | 3.821          | 74   | 9635       | 4.123    | ug/l   | 90       |
| 9) 1,1,2-Trichlorotrifluo... | 4.197          | 101  | 13258      | 4.216    | ug/l   | 97       |
| 10) Methyl Iodide            | 4.414          | 142  | 14039      | 4.001    | ug/l # | 87       |
| 11) Tert butyl alcohol       | 5.385          | 59   | 13507      | 18.137   | ug/l # | 81       |
| 12) 1,1-Dichloroethene       | 4.175          | 96   | 13281      | 4.299    | ug/l # | 78       |
| 13) Acrolein                 | 4.036          | 56   | 10708      | 17.658   | ug/l   | 99       |
| 14) Allyl chloride           | 4.832          | 41   | 21440      | 3.235    | ug/l   | 95       |
| 15) Acrylonitrile            | 5.565          | 53   | 35107      | 17.738   | ug/l   | 99       |
| 16) Acetone                  | 4.296          | 43   | 32268      | 18.541   | ug/l # | 85       |
| 17) Carbon Disulfide         | 4.521          | 76   | 35760      | 3.594    | ug/l   | 95       |
| 18) Methyl Acetate           | 4.865          | 43   | 17219m     | 3.536    | ug/l   |          |
| 19) Methyl tert-butyl Ether  | 5.618          | 73   | 49548      | 4.039    | ug/l   | 100      |
| 20) Methylene Chloride       | 5.093          | 84   | 17343      | 4.156    | ug/l   | 86       |
| 21) trans-1,2-Dichloroethene | 5.586          | 96   | 14584      | 4.326    | ug/l   | 90       |
| 22) Diisopropyl ether        | 6.498          | 45   | 46690      | 3.570    | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.436          | 43   | 190640     | 17.213   | ug/l # | 94       |
| 24) 1,1-Dichloroethane       | 6.388          | 63   | 27379      | 3.805    | ug/l   | 97       |
| 25) 2-Butanone               | 7.343          | 43   | 47530      | 17.595   | ug/l   | 93       |
| 26) 2,2-Dichloropropane      | 7.321          | 77   | 25192      | 4.069    | ug/l   | 94       |
| 27) cis-1,2-Dichloroethene   | 7.324          | 96   | 17835      | 4.475    | ug/l   | 84       |
| 28) Bromochloromethane       | 7.657          | 49   | 12984      | 3.798    | ug/l # | 80       |
| 29) Tetrahydrofuran          | 7.691          | 42   | 30459      | 17.809   | ug/l # | 87       |
| 30) Chloroform               | 7.820          | 83   | 30513      | 4.374    | ug/l   | 97       |
| 31) Cyclohexane              | 8.091          | 56   | 30487      | 4.208    | ug/l # | 83       |
| 32) 1,1,1-Trichloroethane    | 8.013          | 97   | 26870      | 4.546    | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.222          | 75   | 21522      | 4.426    | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.421          | 43   | 18865      | 3.739    | ug/l   | 95       |
| 38) Carbon Tetrachloride     | 8.206          | 117  | 22680      | 5.257    | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.459          | 83   | 26145      | 4.608    | ug/l   | 93       |
| 40) Benzene                  | 8.461          | 78   | 65800      | 4.574    | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062821\  
 Data File : VN067526.D  
 Acq On : 28 Jun 2021 12:13  
 Operator : JC/MD  
 Sample : VSTDIC005  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 6/29/2021 6:22:15 PM

Quant Time: Jun 28 13:38:28 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062821W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 28 13:37:18 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.638  | 41   | 9677     | 3.774   | ug/l # | 77       |
| 42) 1,2-Dichloroethane        | 8.531  | 62   | 23435    | 4.527   | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.563  | 43   | 33985    | 3.902   | ug/l   | 93       |
| 44) Trichloroethene           | 9.217  | 130  | 16612    | 5.574   | ug/l   | 86       |
| 45) 1,2-Dichloropropane       | 9.491  | 63   | 16531    | 4.264   | ug/l   | 95       |
| 46) Dibromomethane            | 9.577  | 93   | 11561    | 4.791   | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.762  | 83   | 22427    | 4.558   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.563  | 41   | 14405    | 3.820   | ug/l # | 87       |
| 49) 1,4-Dioxane               | 9.577  | 88   | 5901     | 104.707 | ug/l   | 88       |
| 51) 4-Methyl-2-Pentanone      | 10.333 | 43   | 101766   | 19.975  | ug/l   | 94       |
| 52) Toluene                   | 10.507 | 92   | 42132    | 4.942   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.722 | 75   | 22795    | 4.189   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.191 | 75   | 24988    | 4.175   | ug/l # | 86       |
| 55) 1,1,2-Trichloroethane     | 10.902 | 97   | 16755    | 5.117   | ug/l   | 92       |
| 56) Ethyl methacrylate        | 10.765 | 69   | 24145    | 4.198   | ug/l   | 88       |
| 57) 1,3-Dichloropropane       | 11.047 | 76   | 27550    | 4.556   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.044 | 63   | 20802    | 16.307  | ug/l   | 92       |
| 59) 2-Hexanone                | 11.089 | 43   | 70442    | 19.664  | ug/l   | 91       |
| 60) Dibromochloromethane      | 11.242 | 129  | 15410    | 5.093   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.347 | 107  | 16438    | 5.110   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.980 | 164  | 16007    | 5.805   | ug/l   | 90       |
| 65) Chlorobenzene             | 11.773 | 112  | 45410    | 5.302   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.843 | 131  | 15585    | 5.383   | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.848 | 91   | 81214    | 4.727   | ug/l   | 95       |
| 68) m/p-Xylenes               | 11.956 | 106  | 61325    | 10.284  | ug/l   | 90       |
| 69) o-Xylene                  | 12.283 | 106  | 30340    | 5.150   | ug/l   | 89       |
| 70) Styrene                   | 12.299 | 104  | 47654    | 4.954   | ug/l   | 93       |
| 71) Bromoform                 | 12.457 | 173  | 9389     | 4.822   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.581 | 105  | 77301    | 4.950   | ug/l   | 97       |
| 74) N-amyl acetate            | 12.390 | 43   | 23868    | 3.323   | ug/l # | 89       |
| 75) 1,1,2,2-Tetrachloroethane | 12.827 | 83   | 22766    | 4.580   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.884 | 75   | 19484m   | 4.385   | ug/l   |          |
| 77) Bromobenzene              | 12.862 | 156  | 16463    | 5.556   | ug/l   | 80       |
| 78) n-propylbenzene           | 12.924 | 91   | 86367    | 4.546   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 13.010 | 91   | 53199    | 4.654   | ug/l   | 93       |
| 80) 1,3,5-Trimethylbenzene    | 13.061 | 105  | 62594    | 4.899   | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.626 | 75   | 5455     | 3.450   | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 13.106 | 91   | 51791    | 4.611   | ug/l   | 95       |
| 83) tert-Butylbenzene         | 13.326 | 119  | 54351    | 5.311   | ug/l   | 90       |
| 84) 1,2,4-Trimethylbenzene    | 13.369 | 105  | 61415    | 4.887   | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.503 | 105  | 74861    | 4.952   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.619 | 119  | 57729    | 5.051   | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 13.619 | 146  | 30035    | 5.538   | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene       | 13.696 | 146  | 29498    | 5.462   | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.946 | 91   | 47200    | 4.262   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.211 | 117  | 9702     | 4.530   | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.991 | 146  | 28718    | 5.463   | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.603 | 75   | 3839     | 4.359   | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 15.265 | 180  | 10468    | 4.473   | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.373 | 225  | 5581     | 4.740   | ug/l   | 95       |
| 95) Naphthalene               | 15.509 | 128  | 29453    | 4.101   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.702 | 180  | 10238    | 4.730   | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062821\  
Data File : VN067526.D  
Acq On : 28 Jun 2021 12:13  
Operator : JC/MD  
Sample : VSTDIC005  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Manual Integrations  
APPROVED

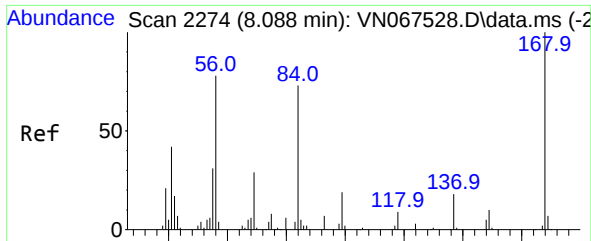
MMDadoda  
6/29/2021 6:22:15 PM

Quant Time: Jun 28 13:38:28 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062821W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jun 28 13:37:18 2021  
Response via : Initial Calibration

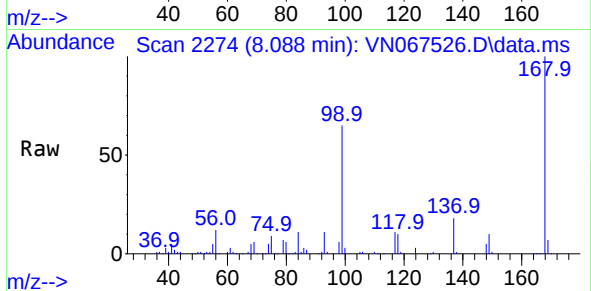
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

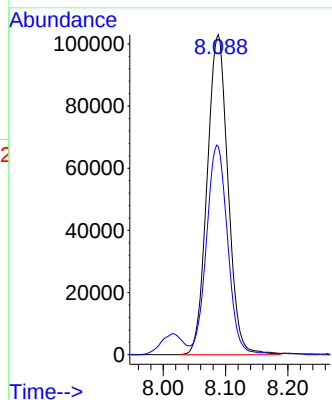
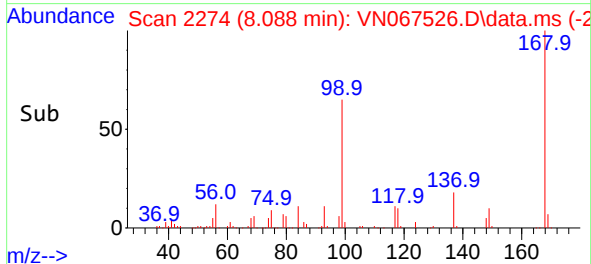




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13



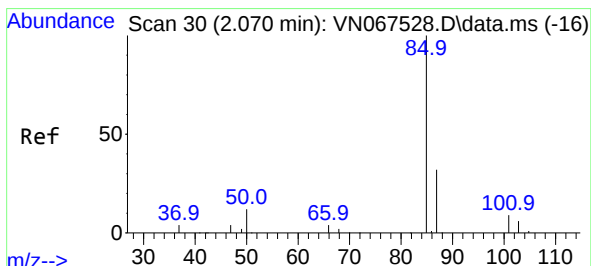
Tgt Ion:168 Resp: 239971  
Ion Ratio Lower Upper  
168 100  
99 64.7 62.9 94.3



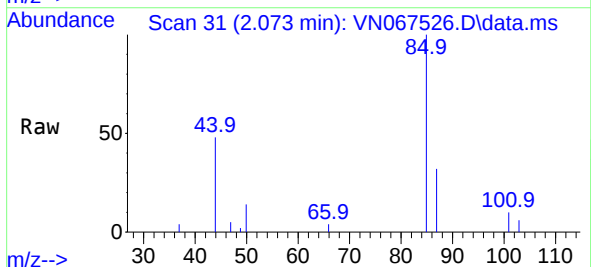
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Manual Integrations  
APPROVED

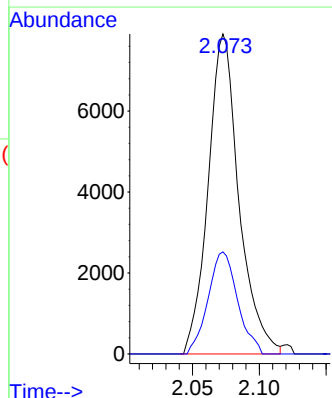
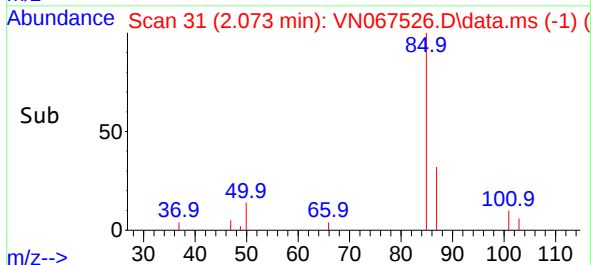
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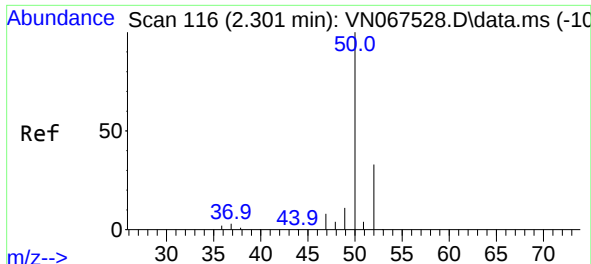


#2  
Dichlorodifluoromethane  
Concen: 3.391 ug/l  
RT: 2.073 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

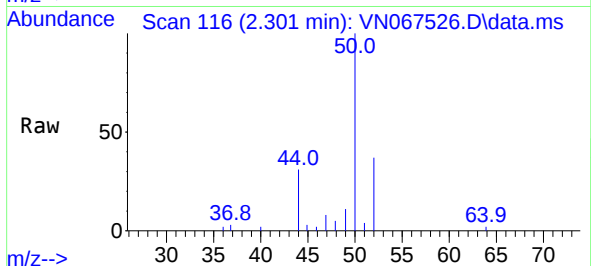


Tgt Ion: 85 Resp: 12682  
Ion Ratio Lower Upper  
85 100  
87 31.9 16.1 48.2

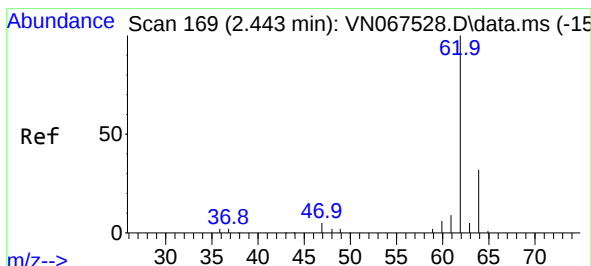
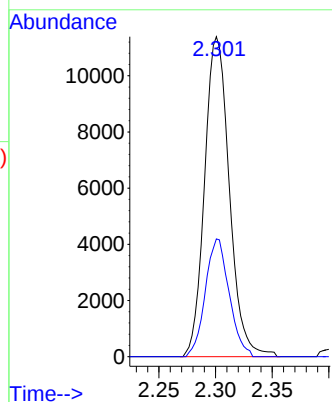
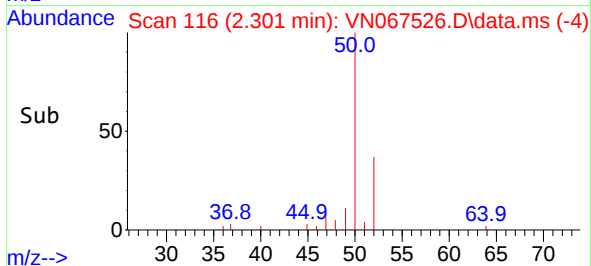




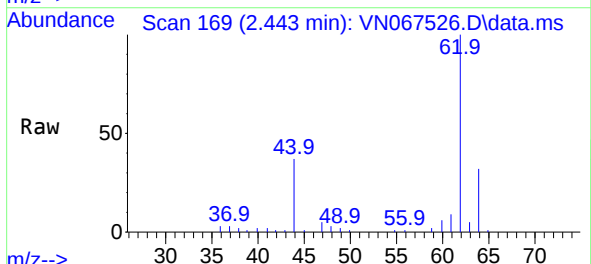
#3  
Chloromethane  
Concen: 4.106 ug/l  
RT: 2.301 min Scan# 116  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13



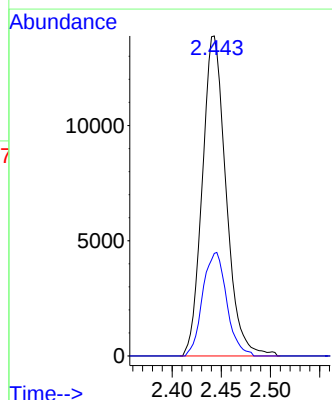
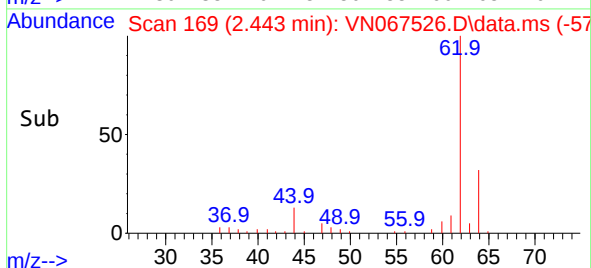
Tgt Ion: 50 Resp: 17299  
Ion Ratio Lower Upper  
50 100  
52 36.8 25.6 38.4



#4  
Vinyl Chloride  
Concen: 5.850 ug/l  
RT: 2.443 min Scan# 169  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13



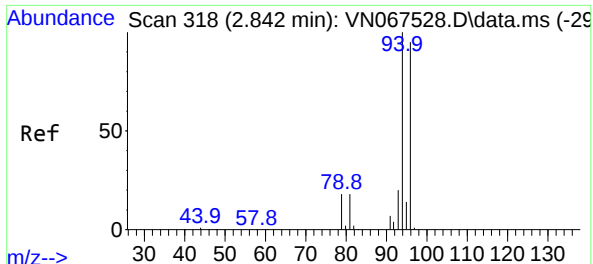
Tgt Ion: 62 Resp: 23299  
Ion Ratio Lower Upper  
62 100  
64 32.0 24.4 36.6



Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Manual Integrations  
APPROVED

MMDadoda  
6/29/2021 6:22:15 PM



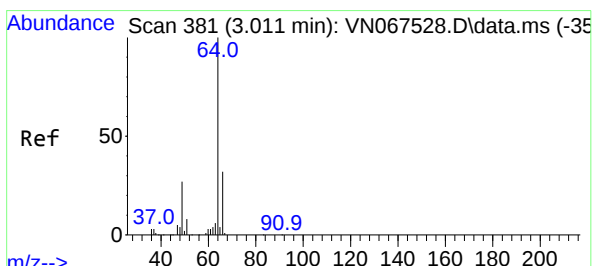
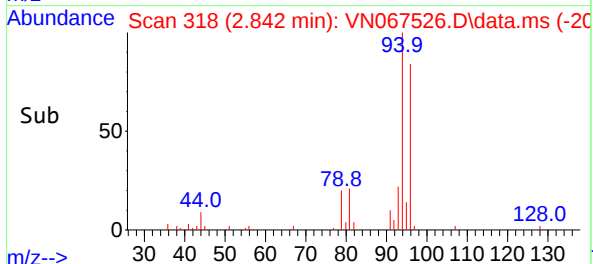
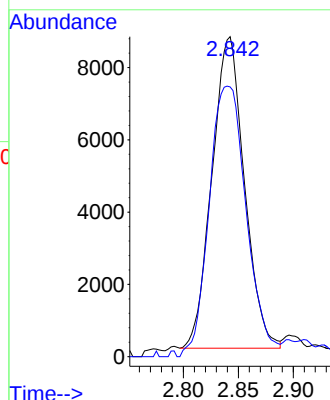
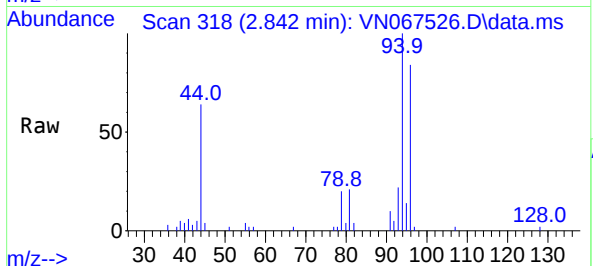
#5  
Bromomethane  
Concen: 7.487 ug/l  
RT: 2.842 min Scan# 318  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Tgt Ion: 94 Resp: 17712  
Ion Ratio Lower Upper  
94 100  
96 86.6 73.7 110.5

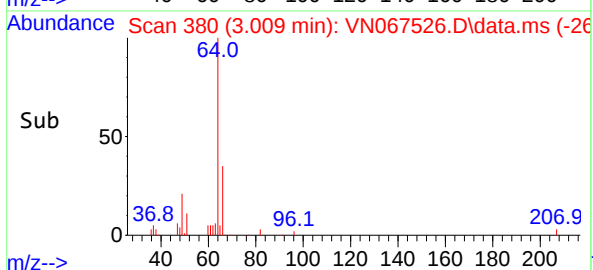
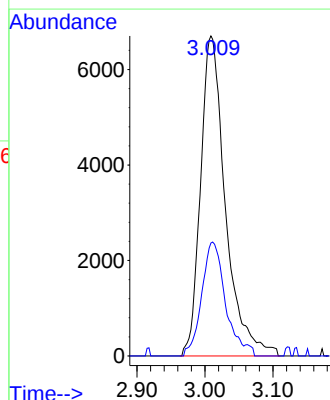
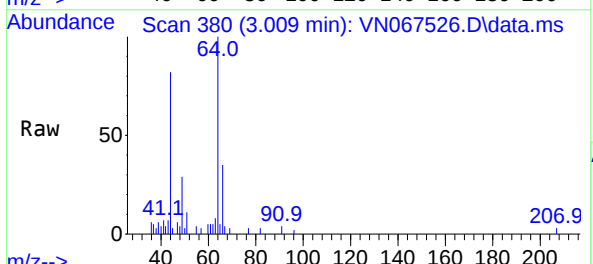
Manual Integrations  
APPROVED

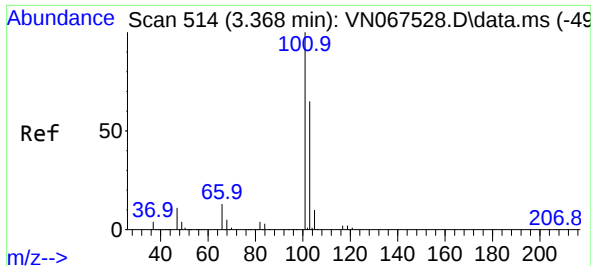
MMDadoda  
6/29/2021 6:22:15 PM



#6  
Chloroethane  
Concen: 6.547 ug/l  
RT: 3.009 min Scan# 380  
Delta R.T. -0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Tgt Ion: 64 Resp: 17047  
Ion Ratio Lower Upper  
64 100  
66 35.3 24.7 37.1





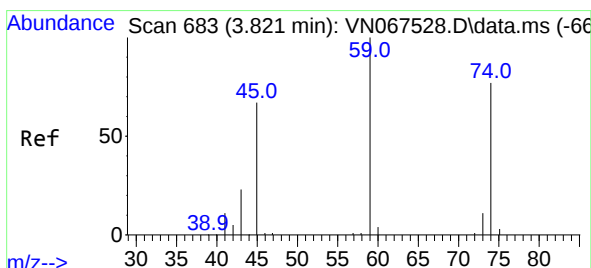
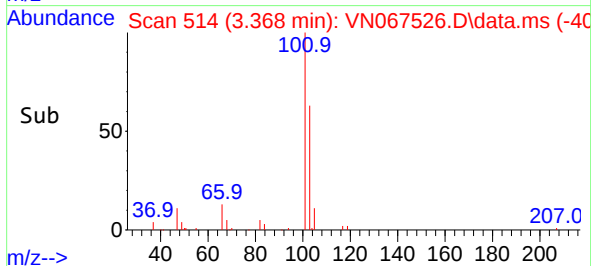
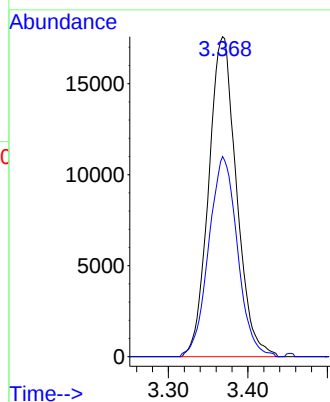
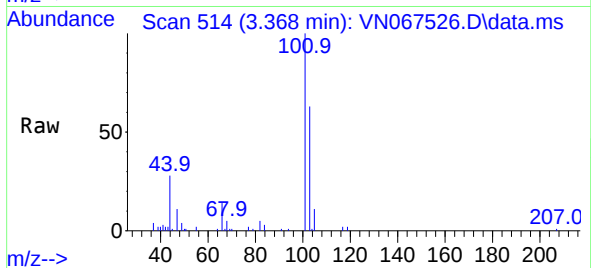
#7  
Trichlorofluoromethane  
Concen: 6.881 ug/l  
RT: 3.368 min Scan# 514  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Tgt Ion:101 Resp: 42793  
Ion Ratio Lower Upper  
101 100  
103 62.5 51.2 76.8

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

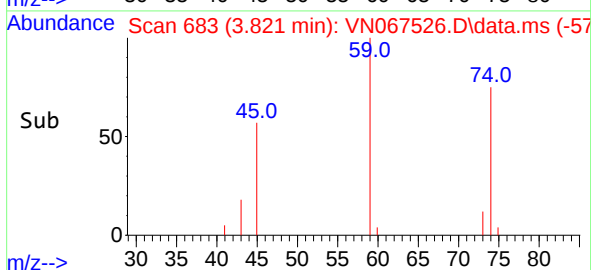
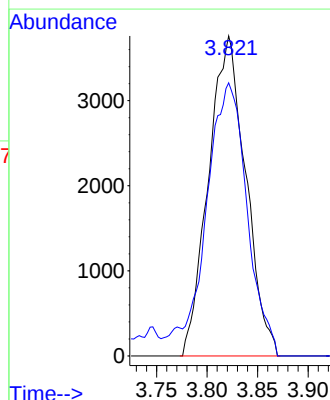
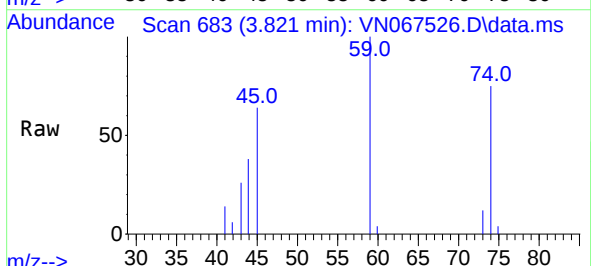
Manual Integrations  
APPROVED

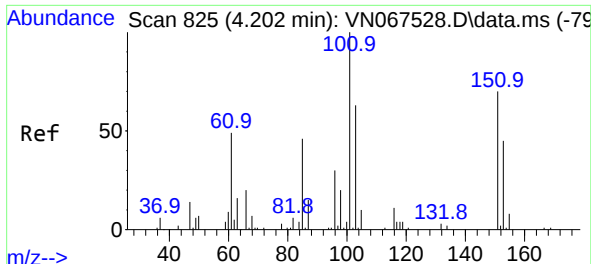
MMDadoda  
6/29/2021 6:22:15 PM



#8  
Diethyl Ether  
Concen: 4.123 ug/l  
RT: 3.821 min Scan# 683  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Tgt Ion: 74 Resp: 9635  
Ion Ratio Lower Upper  
74 100  
45 90.7 50.2 150.7





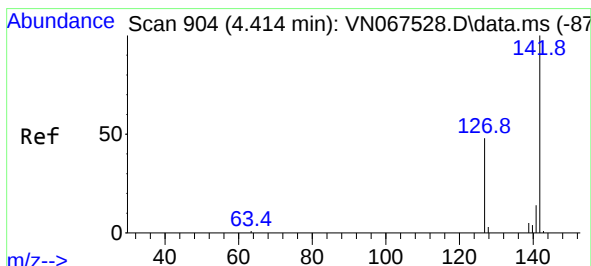
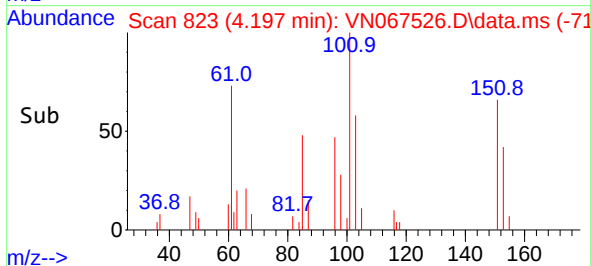
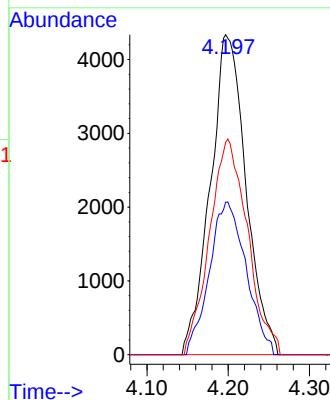
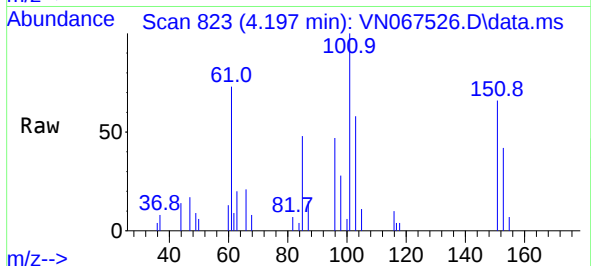
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 4.216 ug/l  
RT: 4.197 min Scan# 823  
Delta R.T. -0.005 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 13258 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 49.1  | 39.6  | 59.4  |
| 151      | 71.6  | 54.1  | 81.1  |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

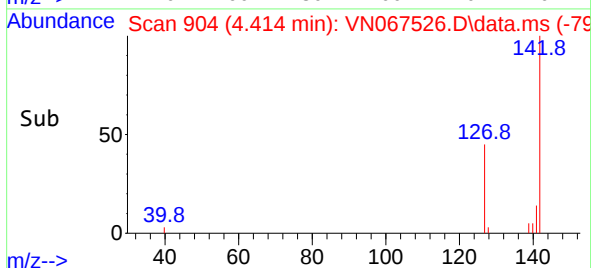
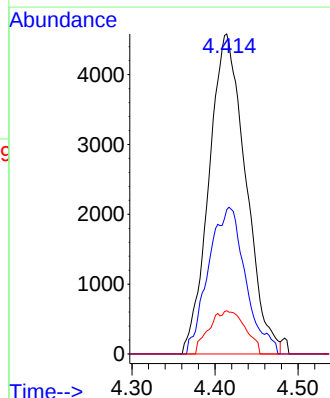
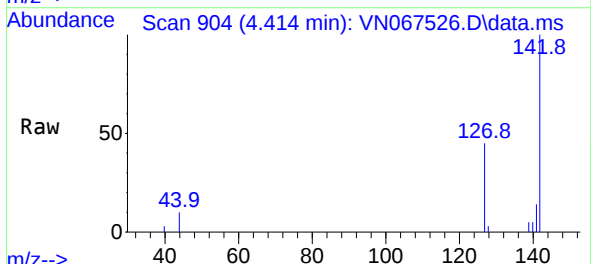
Manual Integrations  
APPROVED

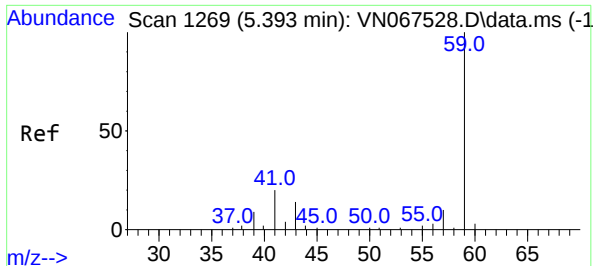
MMDadoda  
6/29/2021 6:22:15 PM



#10  
Methyl Iodide  
Concen: 4.001 ug/l  
RT: 4.414 min Scan# 904  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 14039 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 46.5  | 43.1  | 64.7  |
| 141      | 4.7   | 11.4  | 17.0  |





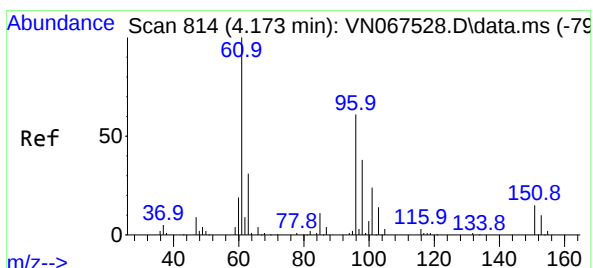
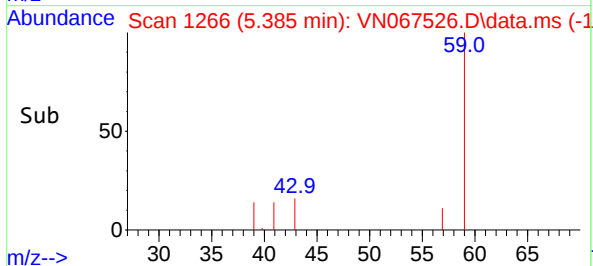
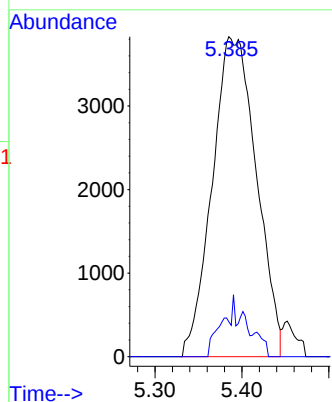
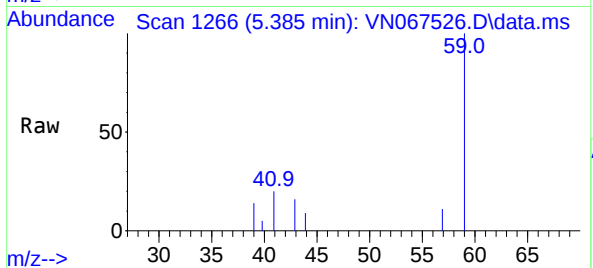
#11  
Tert butyl alcohol  
Concen: 18.137 ug/l  
RT: 5.385 min Scan# 1266  
Delta R.T. -0.008 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Tgt Ion: 59 Resp: 13507  
Ion Ratio Lower Upper  
59 100  
57 3.8 8.7 13.1#

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

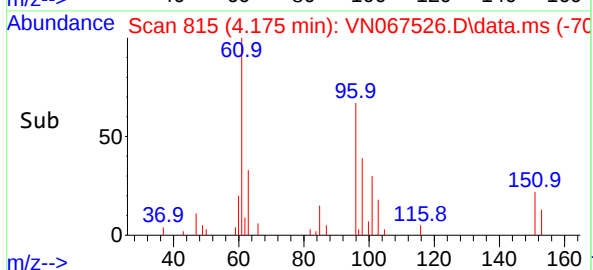
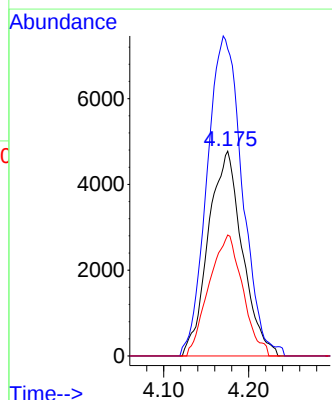
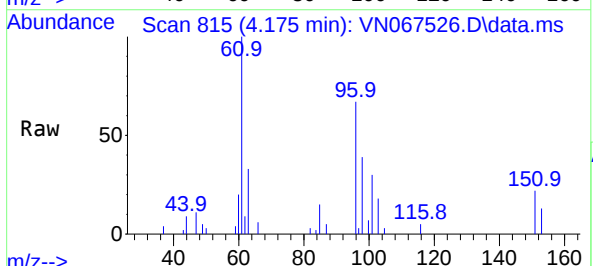
Manual Integrations  
APPROVED

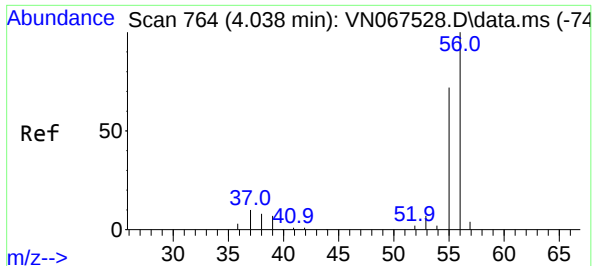
MMDadoda  
6/29/2021 6:22:15 PM



#12  
1,1-Dichloroethene  
Concen: 4.299 ug/l  
RT: 4.175 min Scan# 815  
Delta R.T. 0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Tgt Ion: 96 Resp: 13281  
Ion Ratio Lower Upper  
96 100  
61 149.9 152.6 229.0#  
98 59.1 50.9 76.3





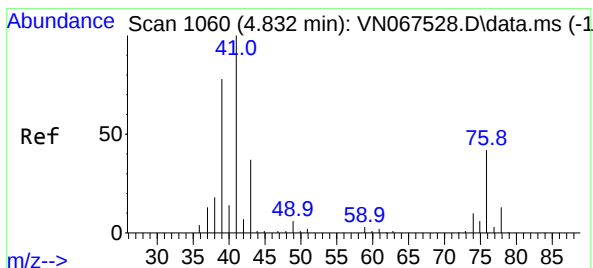
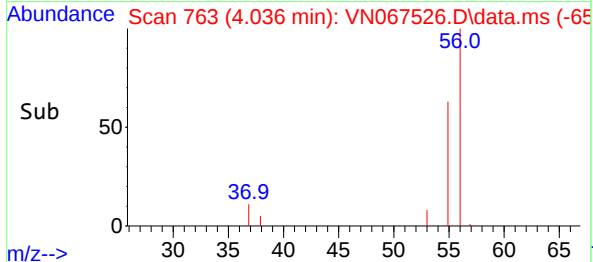
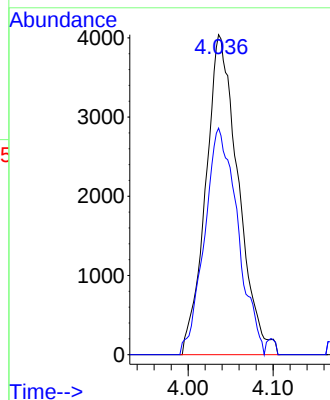
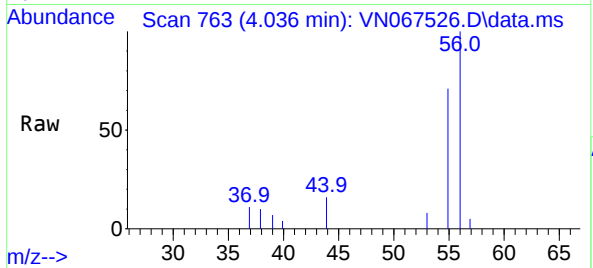
#13  
Acrolein  
Concen: 17.658 ug/l  
RT: 4.036 min Scan# 763  
Delta R.T. -0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Tgt Ion: 56 Resp: 10708  
Ion Ratio Lower Upper  
56 100  
55 72.4 57.4 86.0

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

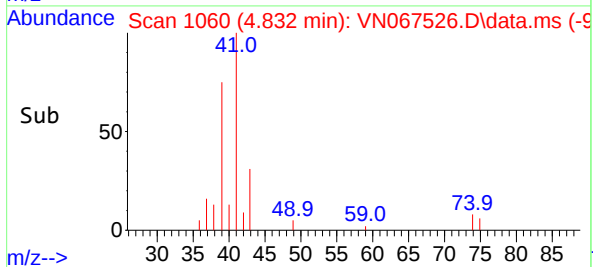
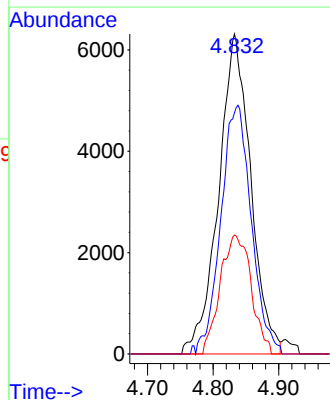
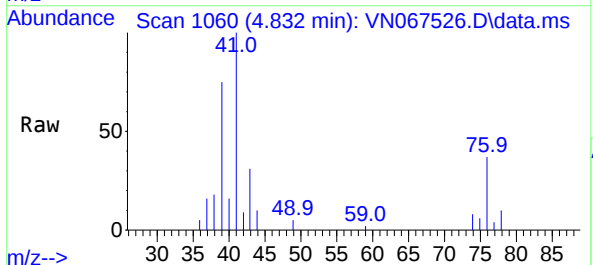
Manual Integrations  
APPROVED

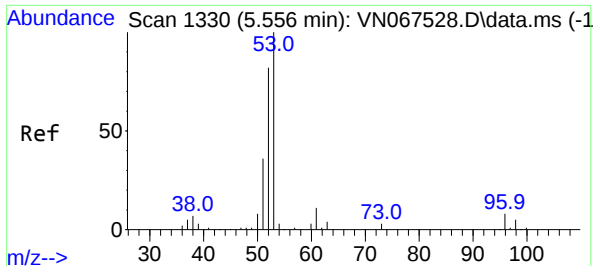
MMDadoda  
6/29/2021 6:22:15 PM



#14  
Allyl chloride  
Concen: 3.235 ug/l  
RT: 4.832 min Scan# 1060  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Tgt Ion: 41 Resp: 21440  
Ion Ratio Lower Upper  
41 100  
39 73.8 60.9 91.3  
76 35.9 24.3 36.5





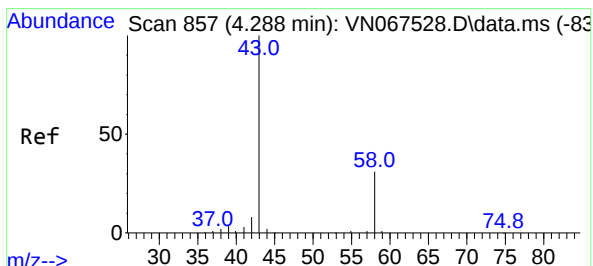
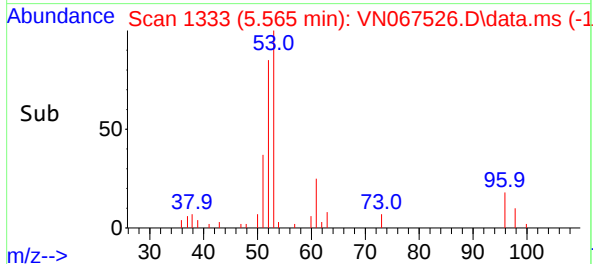
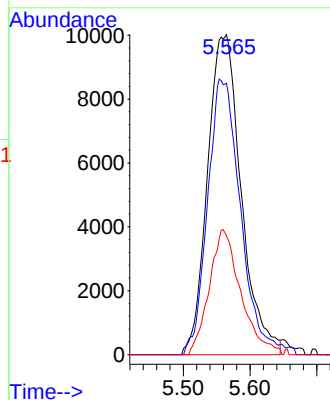
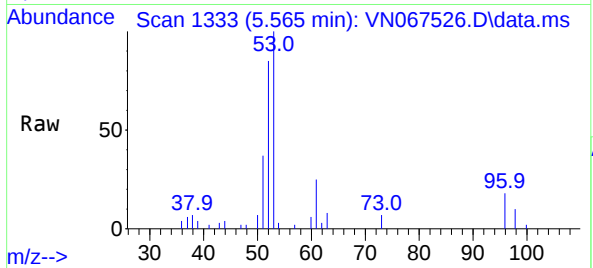
#15  
Acrylonitrile  
Concen: 17.738 ug/l  
RT: 5.565 min Scan# 1333  
Delta R.T. 0.008 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 35107 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 83.6  | 66.2  | 99.2  |
| 51       | 36.7  | 30.2  | 45.4  |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

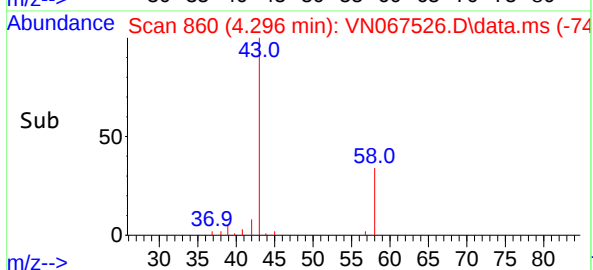
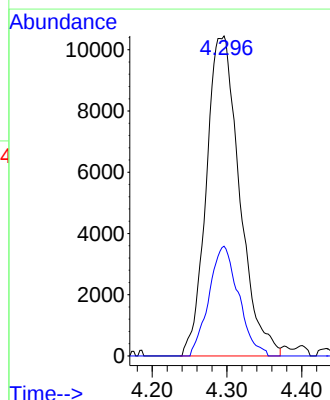
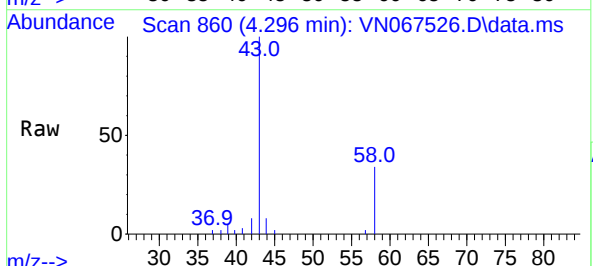
Manual Integrations  
APPROVED

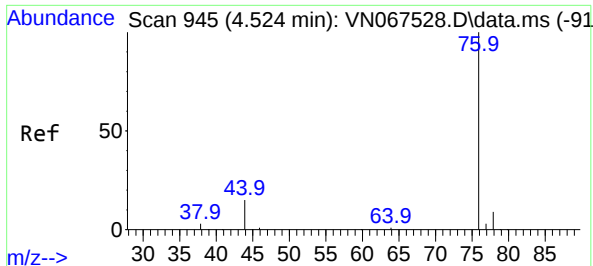
MMDadoda  
6/29/2021 6:22:15 PM



#16  
Acetone  
Concen: 18.541 ug/l  
RT: 4.296 min Scan# 860  
Delta R.T. 0.008 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 32268 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 34.3  | 21.2  | 31.8# |





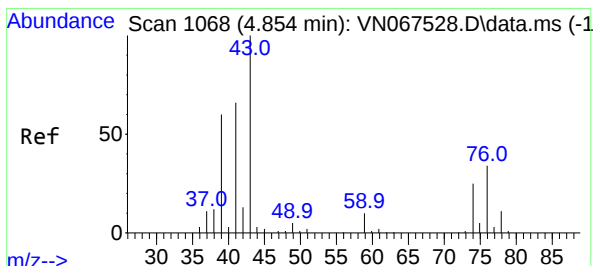
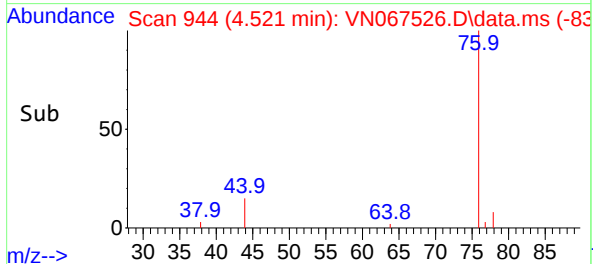
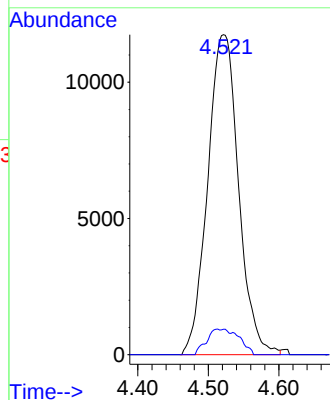
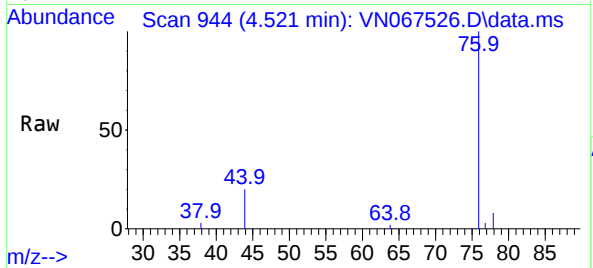
#17  
Carbon Disulfide  
Concen: 3.594 ug/l  
RT: 4.521 min Scan# 944  
Delta R.T. -0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Tgt Ion: 76 Resp: 35760  
Ion Ratio Lower Upper  
76 100  
78 7.9 7.7 11.5

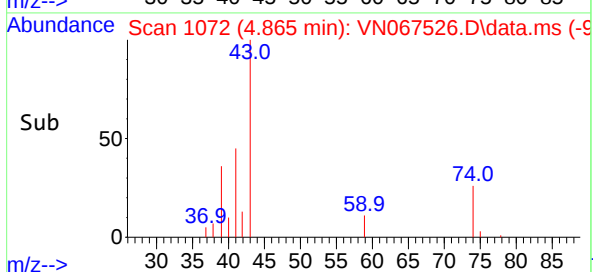
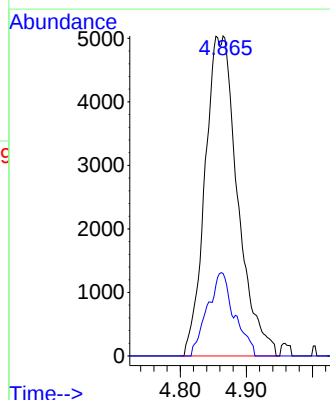
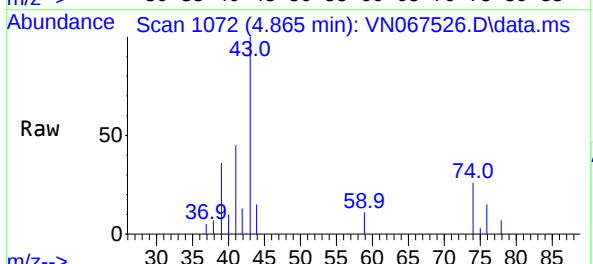
Manual Integrations  
APPROVED

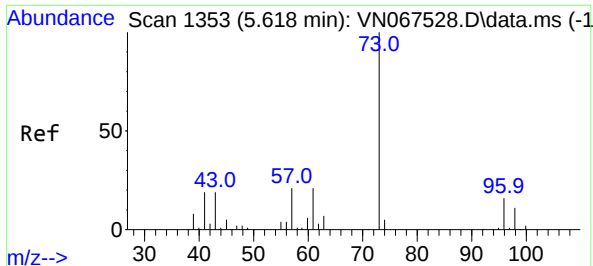
MMDadoda  
6/29/2021 6:22:15 PM



#18  
Methyl Acetate  
Concen: 3.536 ug/l m  
RT: 4.865 min Scan# 1072  
Delta R.T. 0.011 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Tgt Ion: 43 Resp: 17219  
Ion Ratio Lower Upper  
43 100  
74 21.6 17.4 26.0





#19

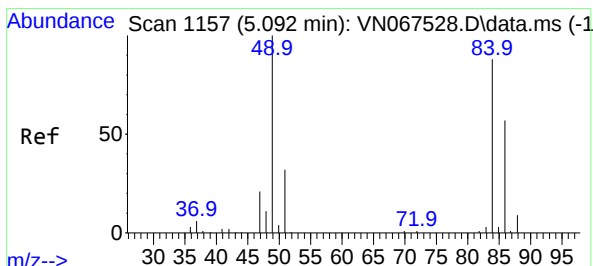
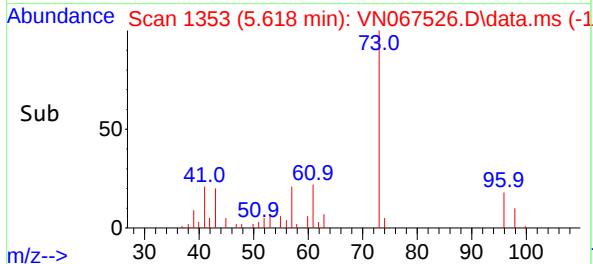
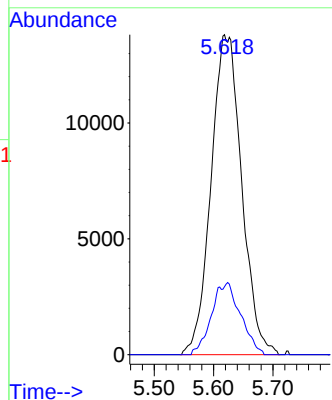
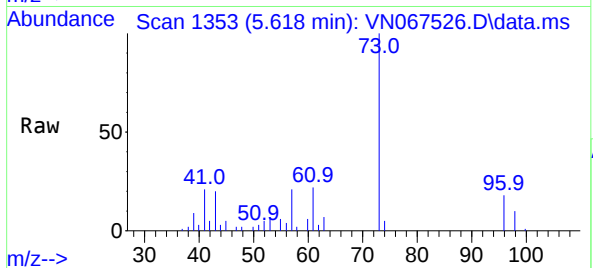
Methyl tert-butyl Ether  
Concen: 4.039 ug/l  
RT: 5.618 min Scan# 1353  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Tgt Ion: 73 Resp: 49548  
Ion Ratio Lower Upper  
73 100  
57 21.2 17.0 25.6

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Manual Integrations  
APPROVED

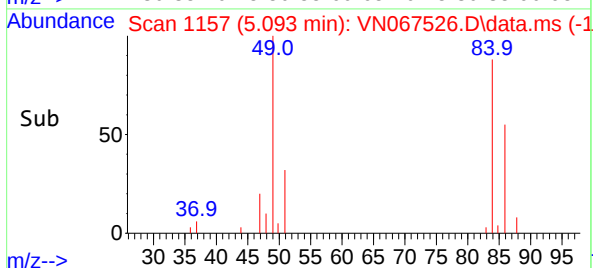
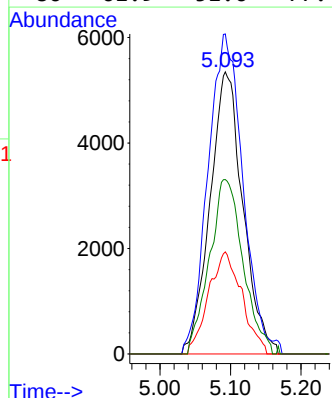
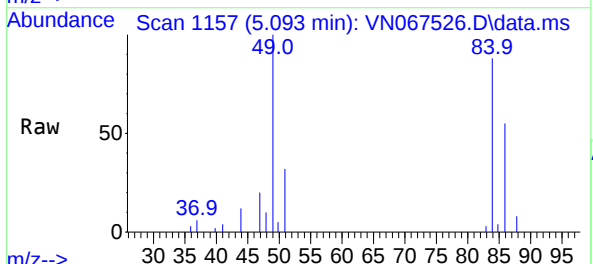
MMDadoda  
6/29/2021 6:22:15 PM

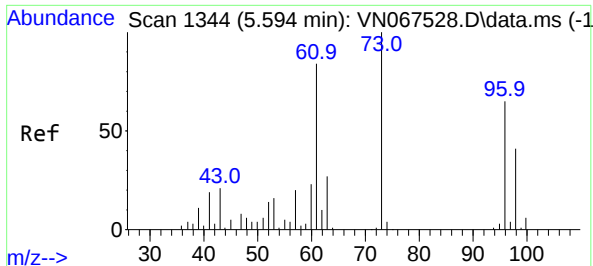


#20

Methylene Chloride  
Concen: 4.156 ug/l  
RT: 5.093 min Scan# 1157  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Tgt Ion: 84 Resp: 17343  
Ion Ratio Lower Upper  
84 100  
49 113.5 110.9 166.3  
51 36.2 32.6 49.0  
86 61.9 51.6 77.4





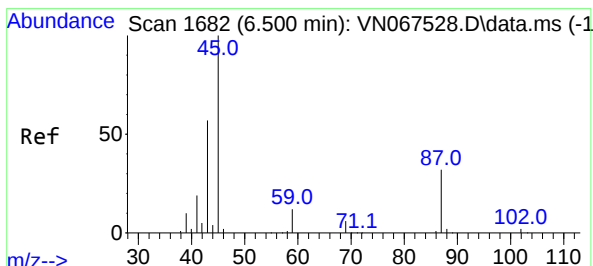
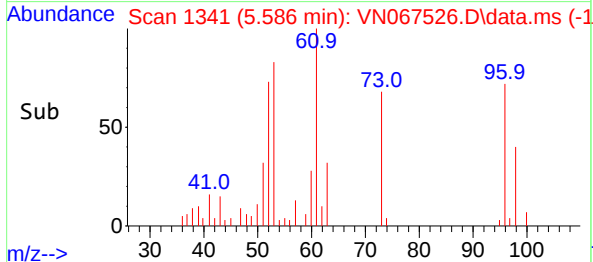
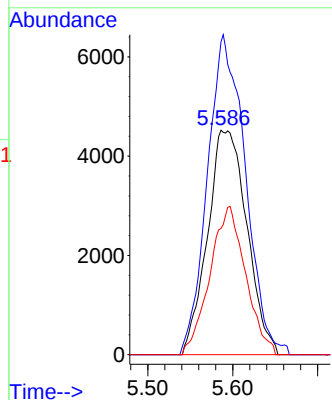
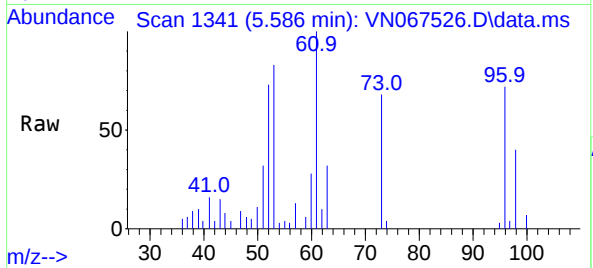
#21  
trans-1,2-Dichloroethene  
Concen: 4.326 ug/l  
RT: 5.586 min Scan# 1341  
Delta R.T. -0.008 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Tgt Ion: 96 Resp: 14584  
Ion Ratio Lower Upper  
96 100  
61 139.3 123.5 185.3  
98 56.2 48.6 72.8

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

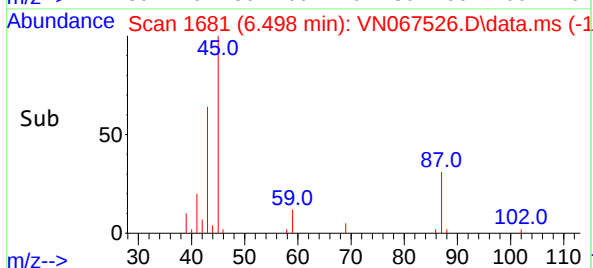
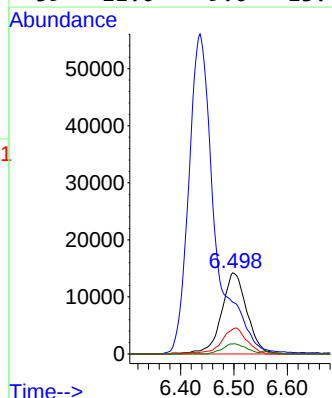
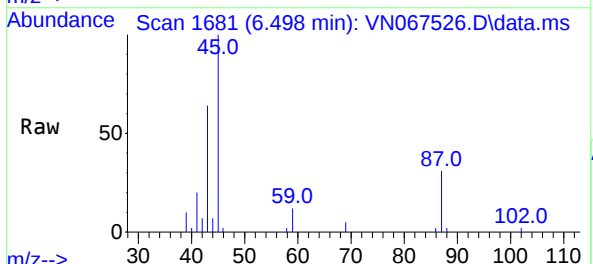
Manual Integrations  
APPROVED

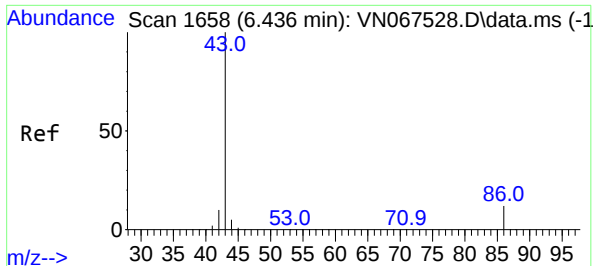
MMDadoda  
6/29/2021 6:22:15 PM



#22  
Diisopropyl ether  
Concen: 3.570 ug/l  
RT: 6.498 min Scan# 1681  
Delta R.T. -0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Tgt Ion: 45 Resp: 46690  
Ion Ratio Lower Upper  
45 100  
43 61.2 49.4 74.2  
87 30.5 20.9 31.3  
59 11.0 9.0 13.4





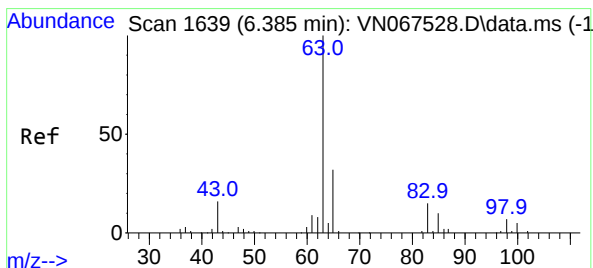
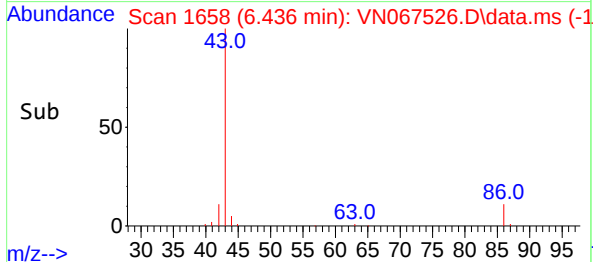
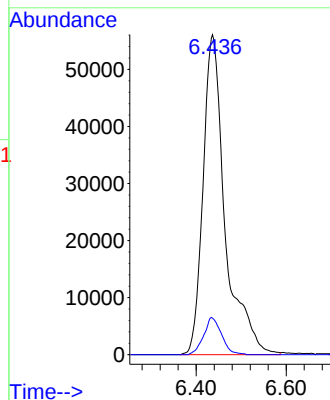
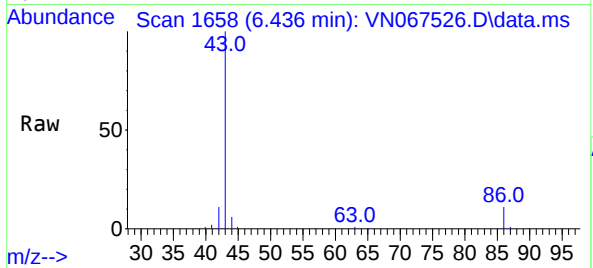
#23  
 Vinyl Acetate  
 Concen: 17.213 ug/l  
 RT: 6.436 min Scan# 1658  
 Delta R.T. 0.000 min  
 Lab File: VN067526.D  
 Acq: 28 Jun 2021 12:13

Tgt Ion: 43 Resp: 190640  
 Ion Ratio Lower Upper  
 43 100  
 86 11.4 7.3 10.9#

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

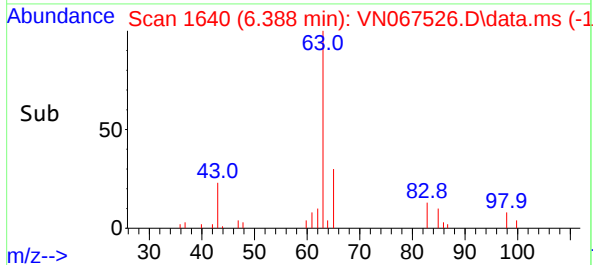
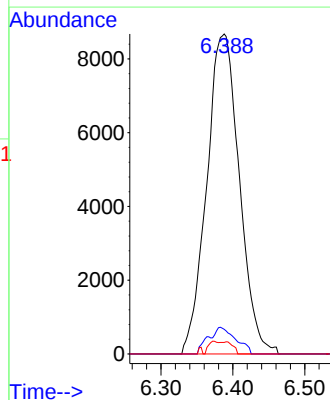
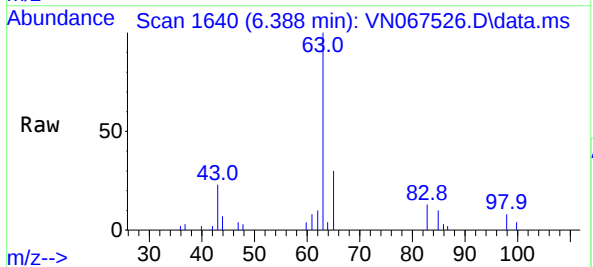
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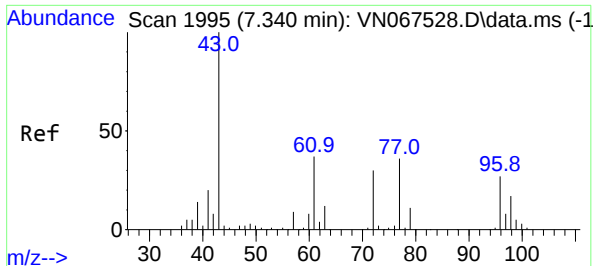
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#24  
 1,1-Dichloroethane  
 Concen: 3.805 ug/l  
 RT: 6.388 min Scan# 1640  
 Delta R.T. 0.003 min  
 Lab File: VN067526.D  
 Acq: 28 Jun 2021 12:13

Tgt Ion: 63 Resp: 27379  
 Ion Ratio Lower Upper  
 63 100  
 98 7.7 3.0 9.0  
 100 3.6 1.9 5.7





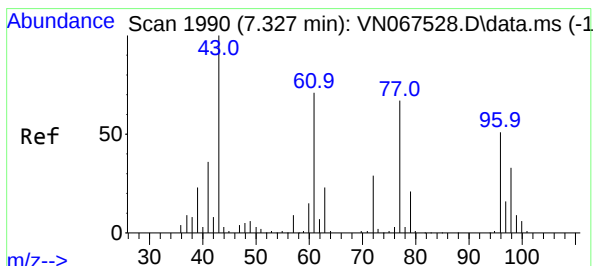
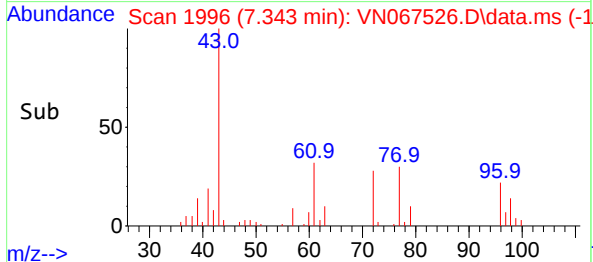
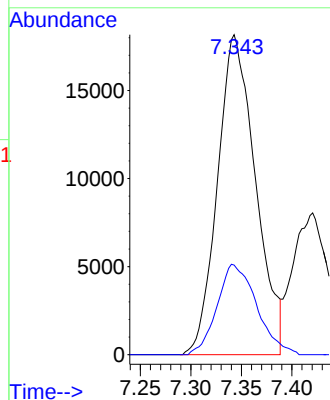
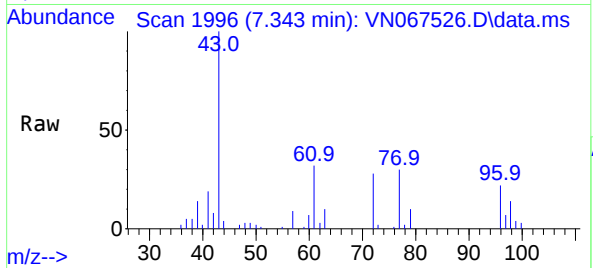
#25  
2-Butanone  
Concen: 17.595 ug/l  
RT: 7.343 min Scan# 1996  
Delta R.T. 0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Tgt Ion: 43 Resp: 47530  
Ion Ratio Lower Upper  
43 100  
72 28.0 19.7 29.5

Instrument :  
MSVOA\_N  
ClientSampleId :  
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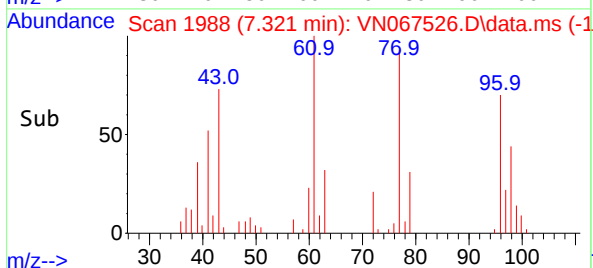
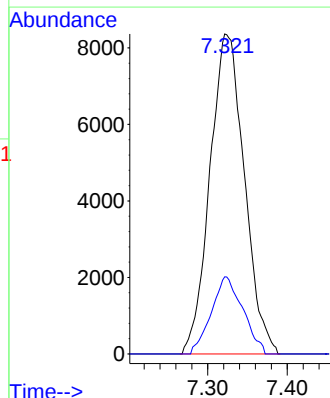
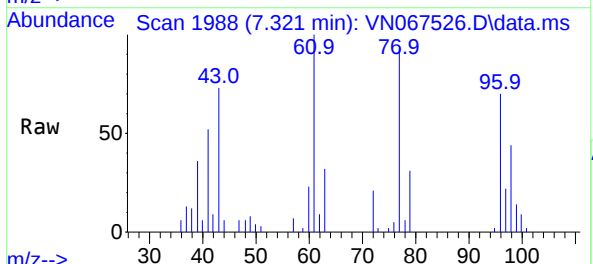
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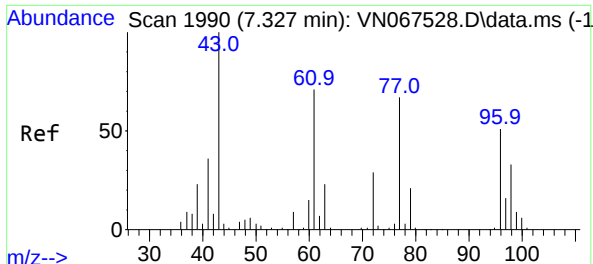
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#26  
2,2-Dichloropropane  
Concen: 4.069 ug/l  
RT: 7.321 min Scan# 1988  
Delta R.T. -0.005 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Tgt Ion: 77 Resp: 25192  
Ion Ratio Lower Upper  
77 100  
97 22.1 9.8 29.3





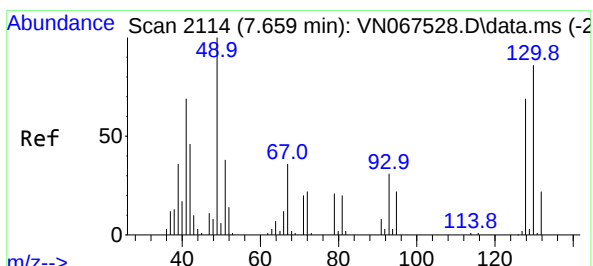
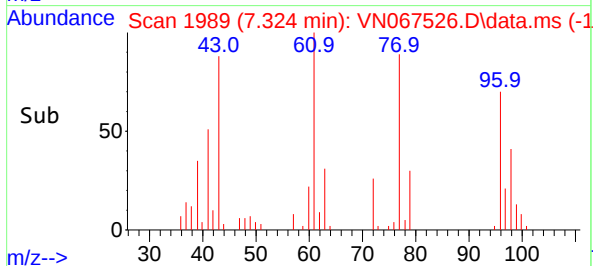
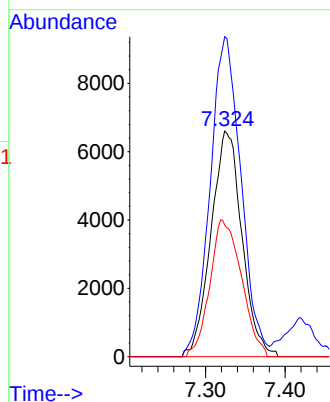
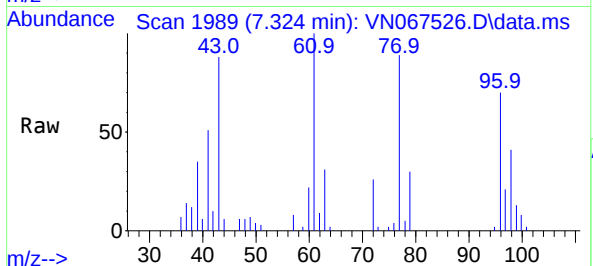
#27  
cis-1,2-Dichloroethene  
Concen: 4.475 ug/l  
RT: 7.324 min Scan# 1989  
Delta R.T. -0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 17835 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 141.3 | 0.0   | 338.8 |
| 98       | 62.0  | 0.0   | 129.8 |

Instrument :  
MSVOA\_N  
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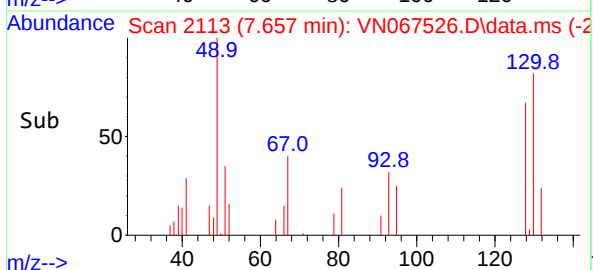
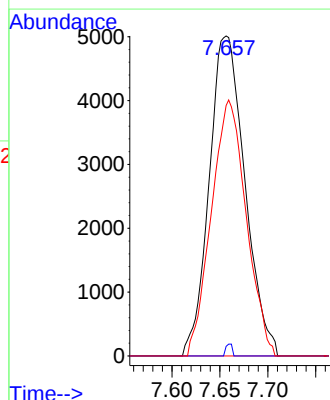
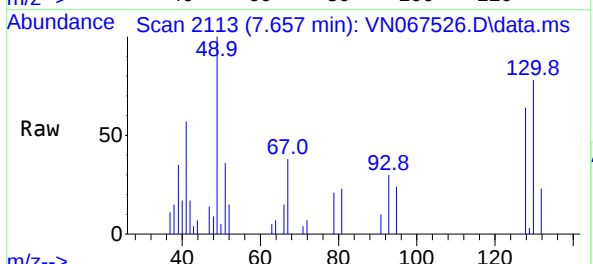
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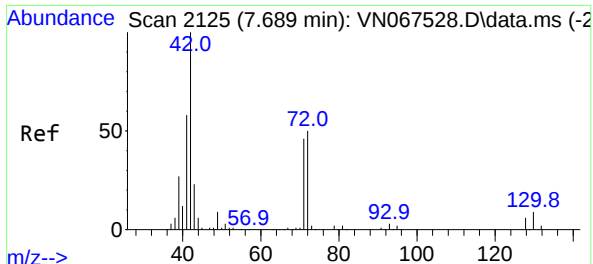
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#28  
Bromochloromethane  
Concen: 3.798 ug/l  
RT: 7.657 min Scan# 2113  
Delta R.T. -0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 12984 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 0.6   | 0.0   | 3.8   |
| 130      | 78.1  | 49.7  | 74.5# |





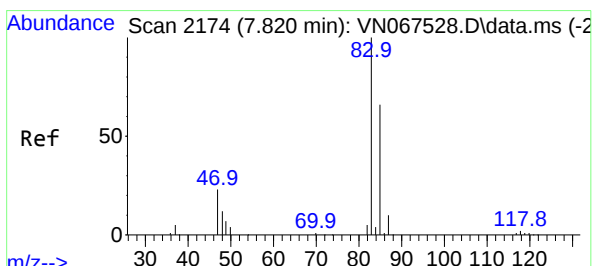
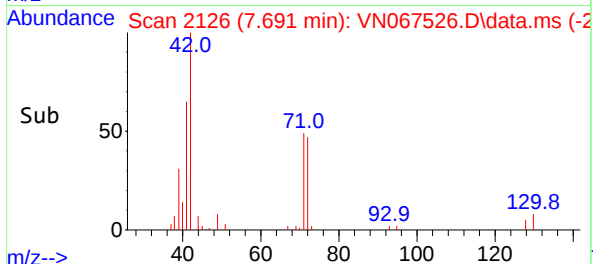
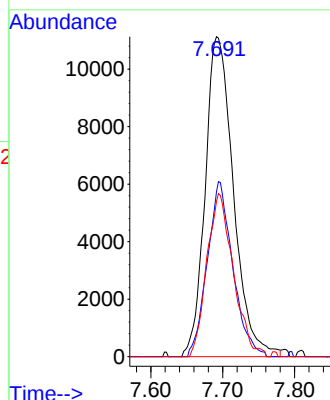
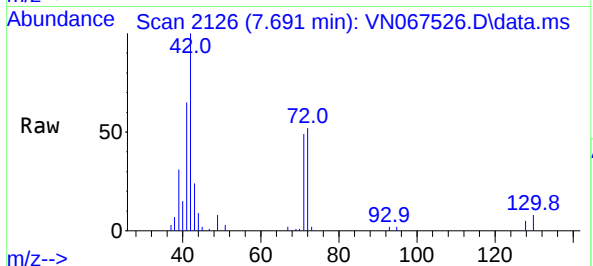
#29  
Tetrahydrofuran  
Concen: 17.809 ug/l  
RT: 7.691 min Scan# 2126  
Delta R.T. 0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 30459 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 49.2  | 32.8  | 49.2# |
| 71       | 46.9  | 31.2  | 46.8# |

Instrument :  
MSVOA\_N  
ClientSampleId :  
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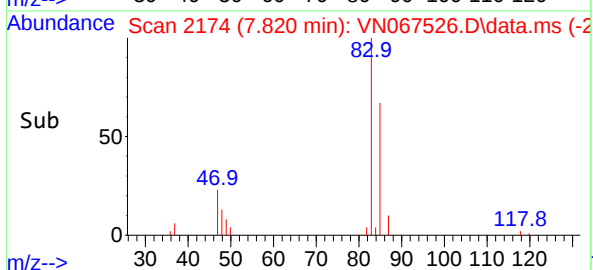
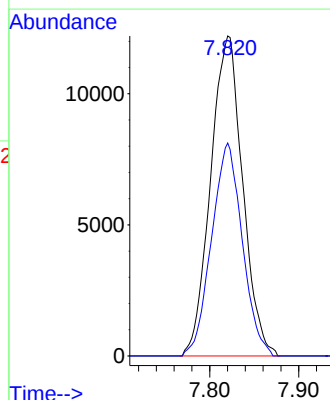
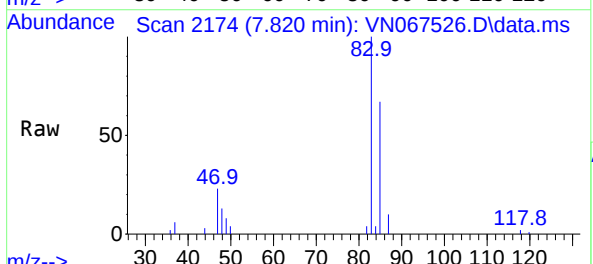
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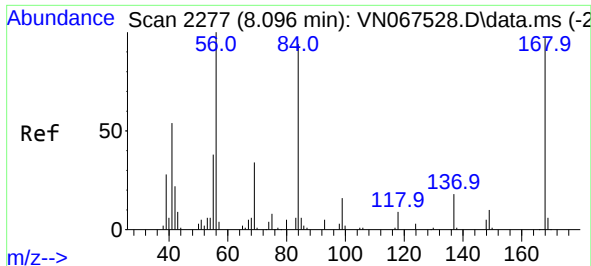
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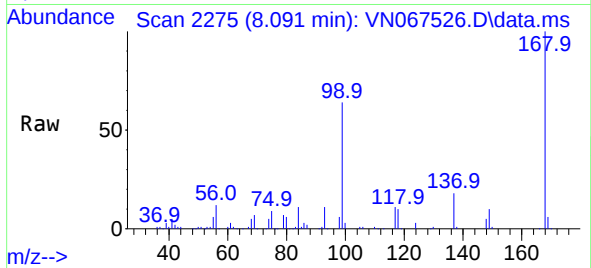
#30  
Chloroform  
Concen: 4.374 ug/l  
RT: 7.820 min Scan# 2174  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 30513 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 66.6  | 51.5  | 77.3  |

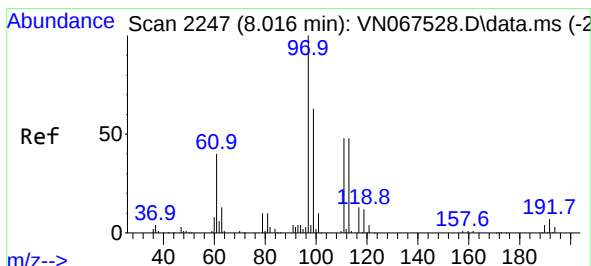
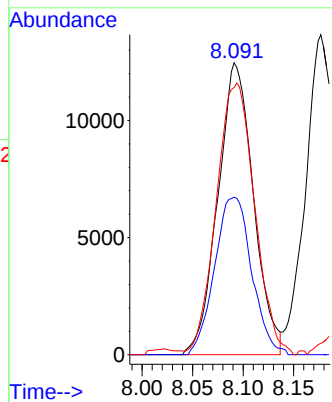
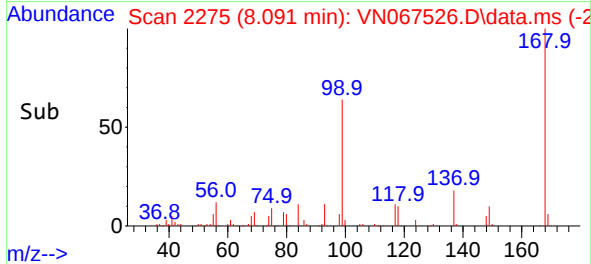




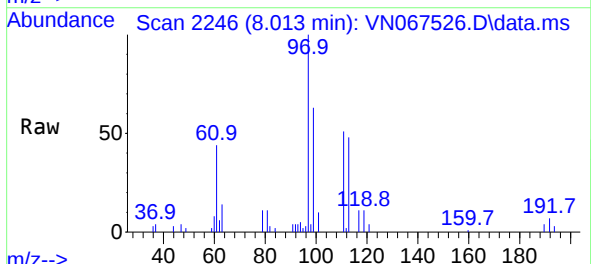
#31  
Cyclohexane  
Concen: 4.208 ug/l  
RT: 8.091 min Scan# 2275  
Delta R.T. -0.005 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13



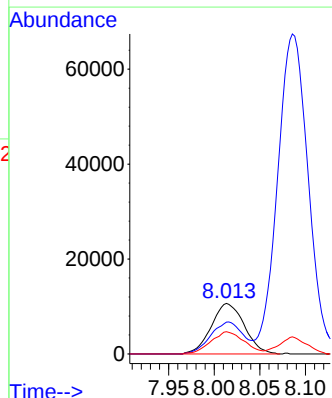
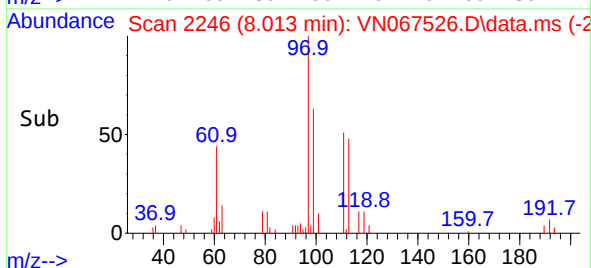
Tgt Ion: 56 Resp: 30487  
Ion Ratio Lower Upper  
56 100  
69 53.9 27.3 40.9#  
84 90.2 64.9 97.3



#32  
1,1,1-Trichloroethane  
Concen: 4.546 ug/l  
RT: 8.013 min Scan# 2246  
Delta R.T. -0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13



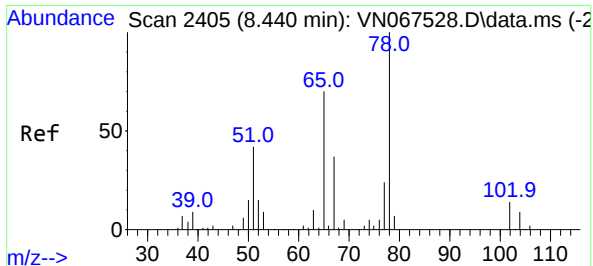
Tgt Ion: 97 Resp: 26870  
Ion Ratio Lower Upper  
97 100  
99 62.9 50.2 75.2  
61 44.4 38.2 57.2



Instrument :  
MSVOA\_N  
ClientSampleId :  
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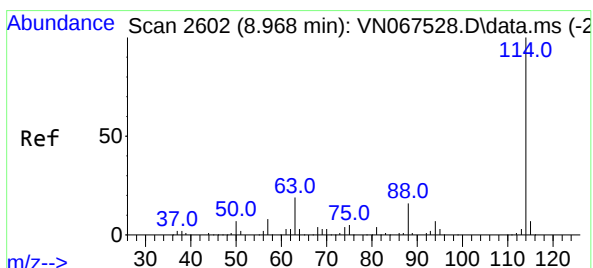
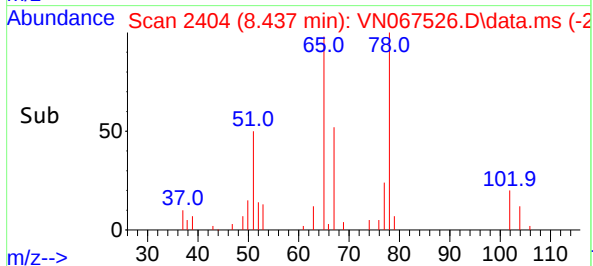
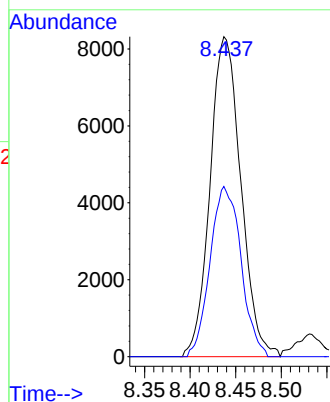
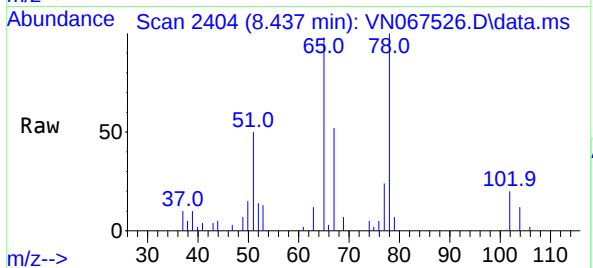
#33  
1,2-Dichloroethane-d4  
Concen: 4.268 ug/l  
RT: 8.437 min Scan# 2404  
Delta R.T. -0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Tgt Ion: 65 Resp: 19544  
Ion Ratio Lower Upper  
65 100  
67 53.4 0.0 98.6

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

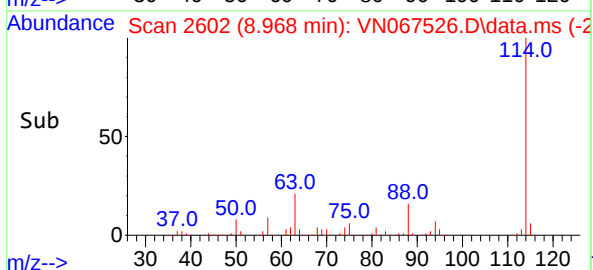
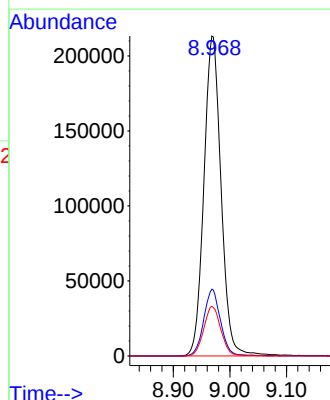
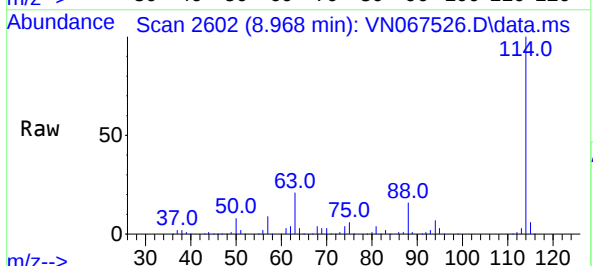
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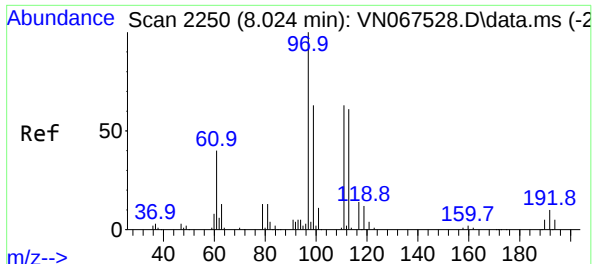
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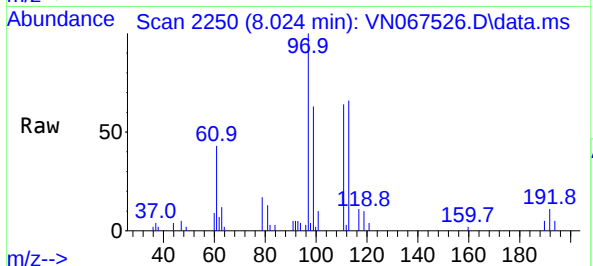
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.968 min Scan# 2602  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Tgt Ion: 114 Resp: 449258  
Ion Ratio Lower Upper  
114 100  
63 20.8 0.0 49.0  
88 15.5 0.0 36.6





#35  
Dibromofluoromethane  
Concen: 5.322 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

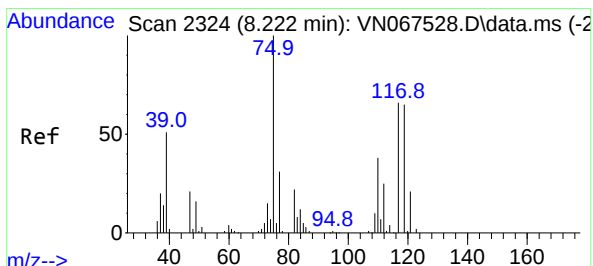
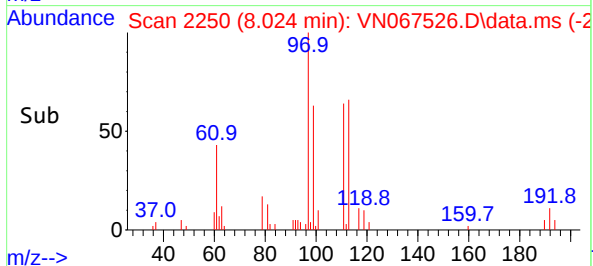
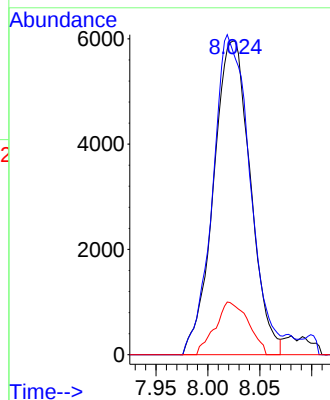


Tgt Ion: 113 Resp: 14711  
Ion Ratio Lower Upper  
113 100  
111 102.9 83.8 125.8  
192 15.1 13.4 20.0

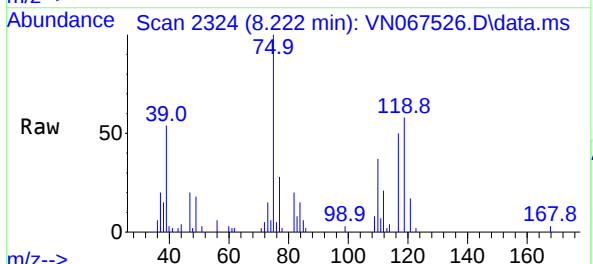
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

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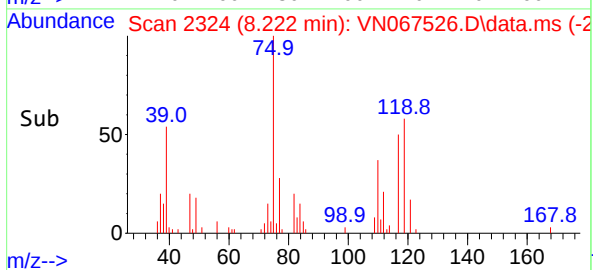
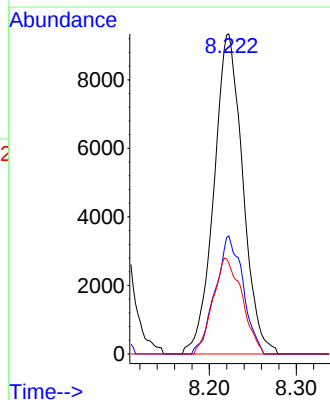
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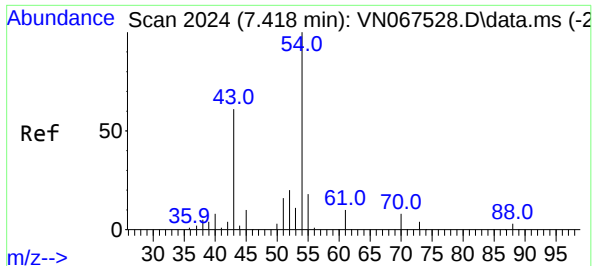


#36  
1,1-Dichloropropene  
Concen: 4.426 ug/l  
RT: 8.222 min Scan# 2324  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13



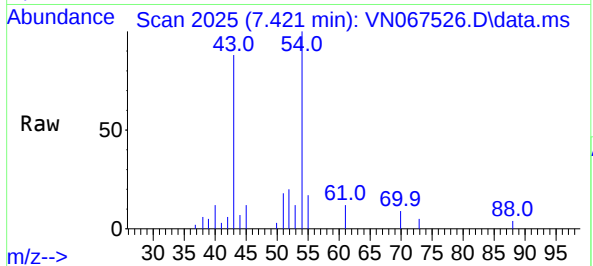
Tgt Ion: 75 Resp: 21522  
Ion Ratio Lower Upper  
75 100  
110 35.4 15.7 47.0  
77 30.2 24.6 37.0





#37  
Ethyl Acetate  
Concen: 3.739 ug/l  
RT: 7.421 min Scan# 2025  
Delta R.T. 0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

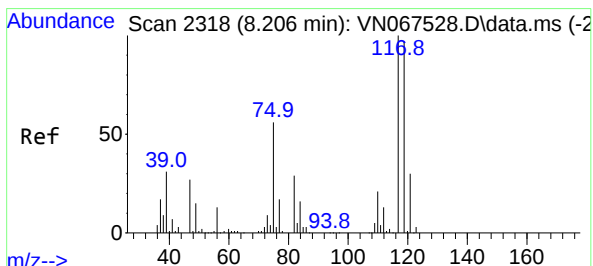
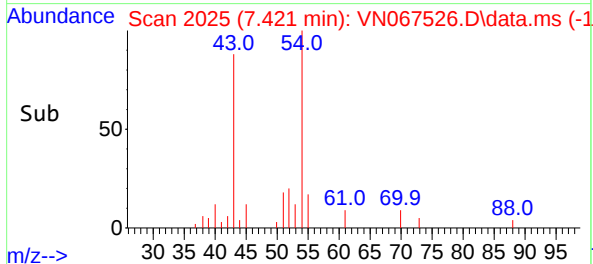
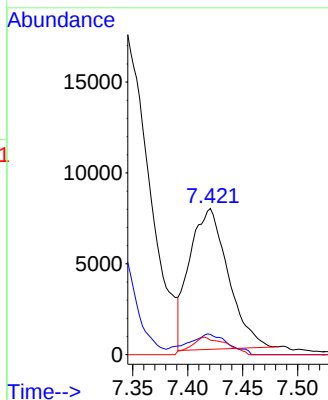
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 18865 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 15.7  | 10.6  | 16.0  |
| 70       | 11.2  | 8.1   | 12.1  |

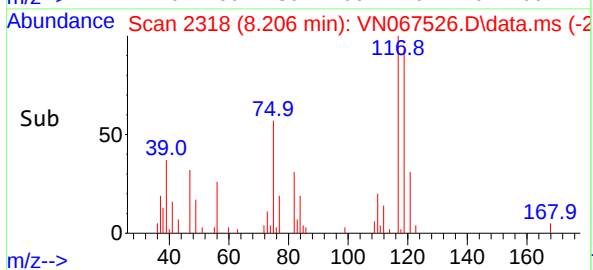
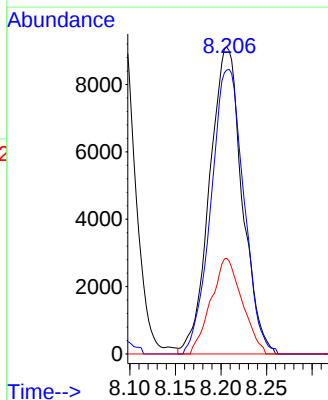
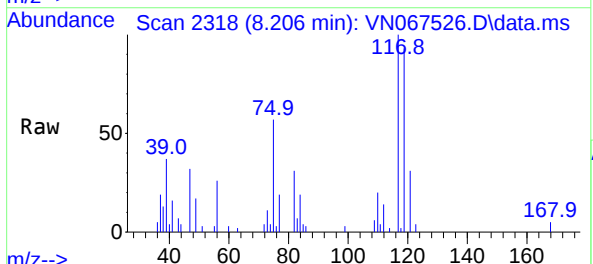
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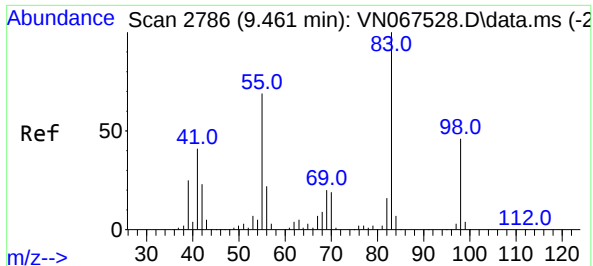
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#38  
Carbon Tetrachloride  
Concen: 5.257 ug/l  
RT: 8.206 min Scan# 2318  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 22680 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 92.5  | 75.4  | 113.2 |
| 121      | 31.2  | 23.5  | 35.3  |





#39

Methylcyclohexane

Concen: 4.608 ug/l

RT: 9.459 min Scan# 2785

Delta R.T. -0.003 min

Lab File: VN067526.D

Acq: 28 Jun 2021 12:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 26145 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 74.2  | 66.6  | 99.8  |
| 98       | 44.8  | 35.3  | 52.9  |

Instrument :

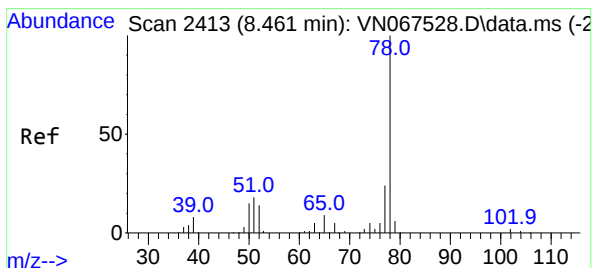
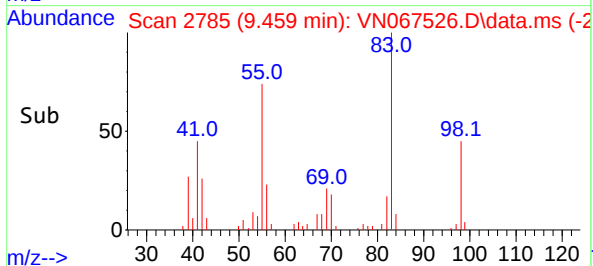
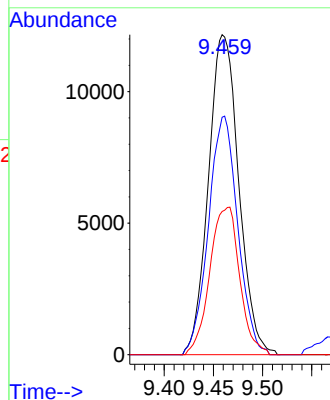
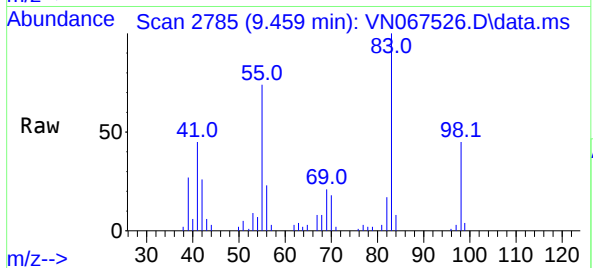
MSVOA\_N

ClientSampleId :

VSTDIC005

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#40

Benzene

Concen: 4.574 ug/l

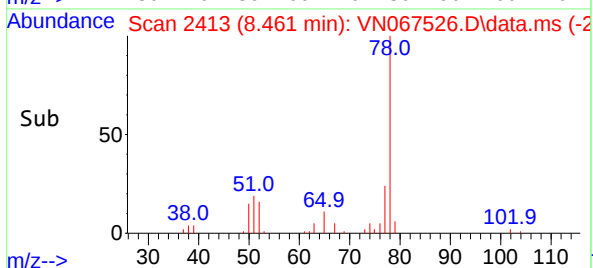
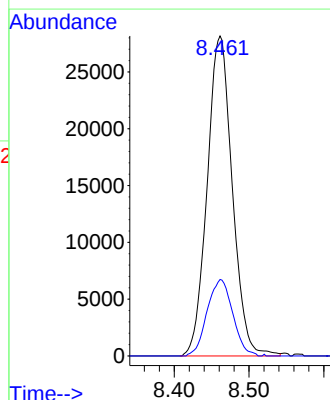
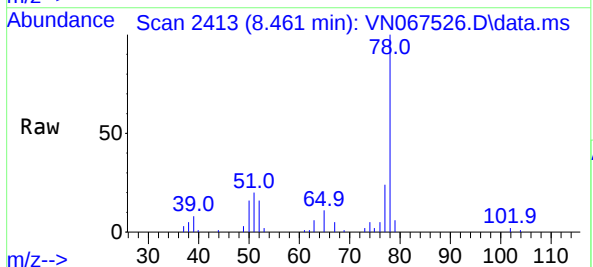
RT: 8.461 min Scan# 2413

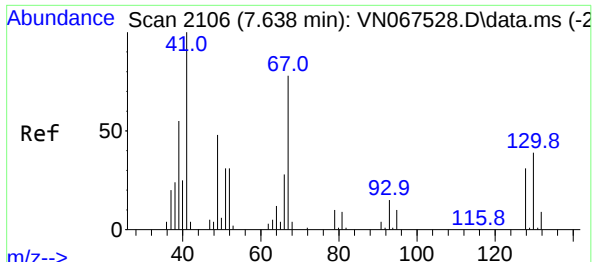
Delta R.T. 0.000 min

Lab File: VN067526.D

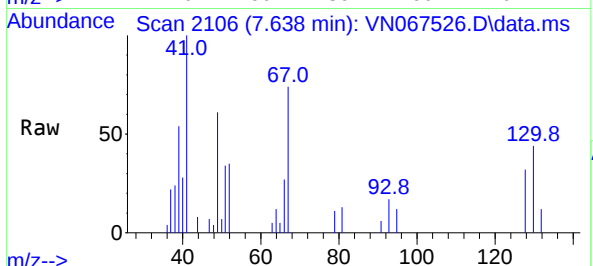
Acq: 28 Jun 2021 12:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 78    | Resp: | 65800 |
| Ion      | Ratio | Lower | Upper |
| 78       | 100   |       |       |
| 77       | 23.9  | 18.9  | 28.3  |



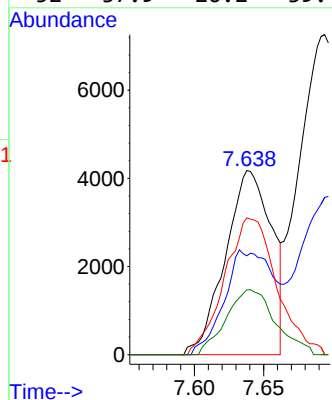


#41  
Methacrylonitrile  
Concen: 3.774 ug/l  
RT: 7.638 min Scan# 2106  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13



Tgt Ion: 41 Resp: 9677

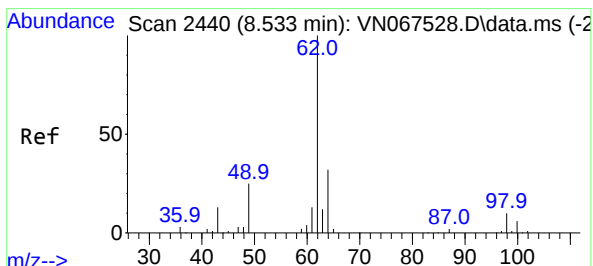
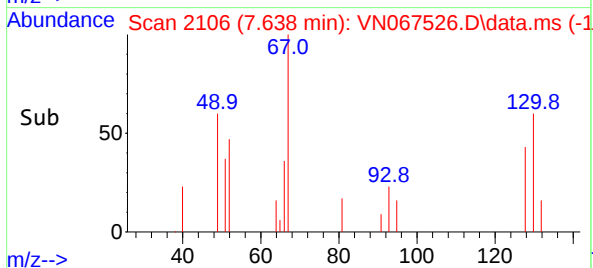
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 29.2  | 47.6  | 71.4# |
| 67  | 83.9  | 57.7  | 86.5  |
| 52  | 37.9  | 26.2  | 39.4  |



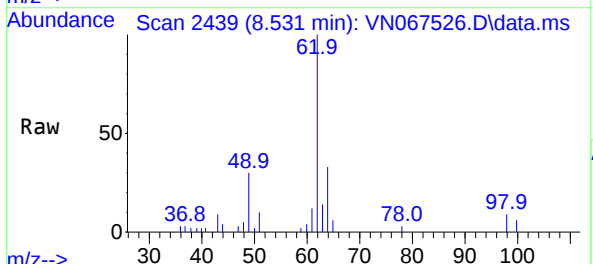
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

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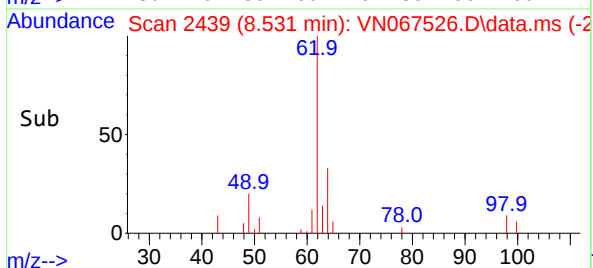
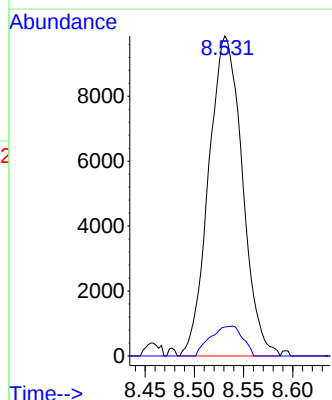


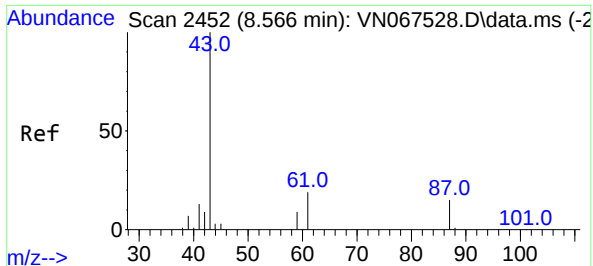
#42  
1,2-Dichloroethane  
Concen: 4.527 ug/l  
RT: 8.531 min Scan# 2439  
Delta R.T. -0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13



Tgt Ion: 62 Resp: 23435

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 8.9   | 0.0   | 14.2  |





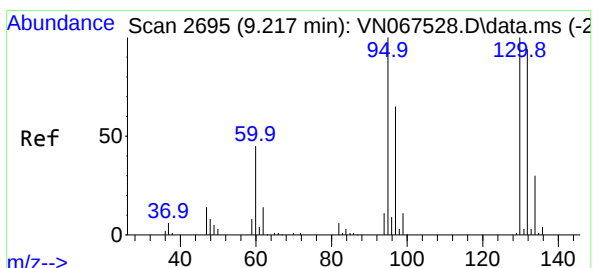
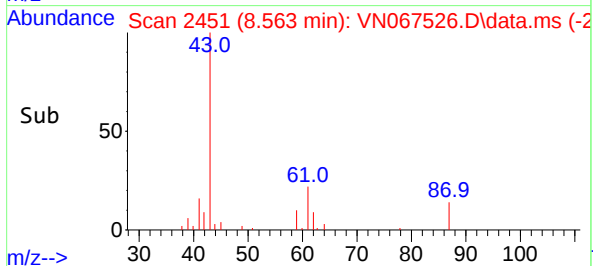
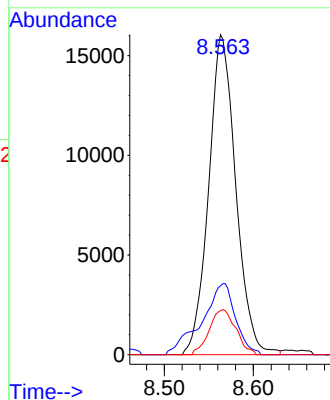
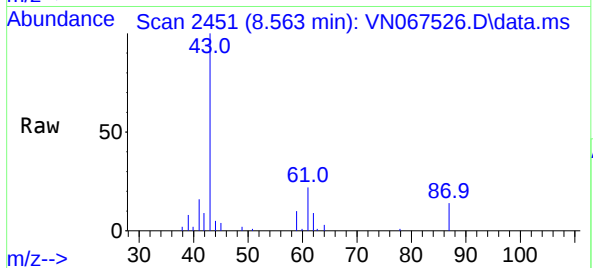
#43  
Isopropyl Acetate  
Concen: 3.902 ug/l  
RT: 8.563 min Scan# 2451  
Delta R.T. -0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 33985 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 61 27.6     | 19.0 28.4   |
| 87 13.8     | 9.5 14.3    |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

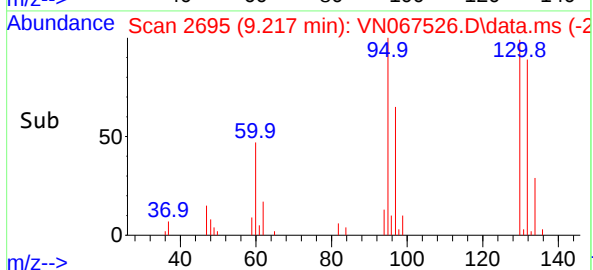
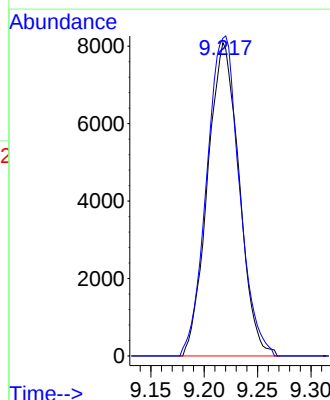
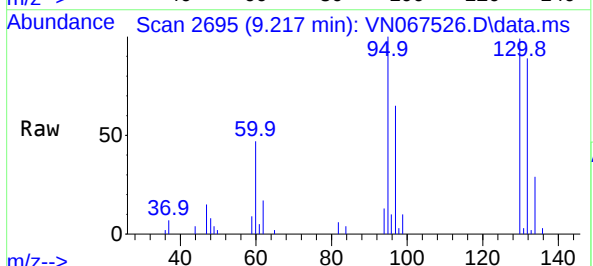
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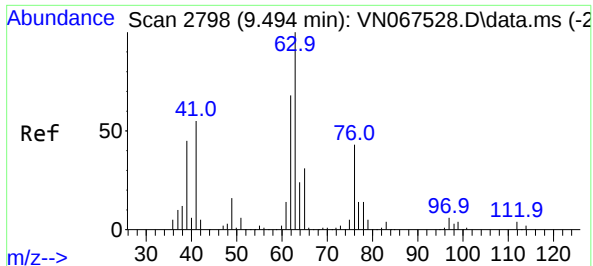
MMDadoda  
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#44  
Trichloroethene  
Concen: 5.574 ug/l  
RT: 9.217 min Scan# 2695  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:130 | Resp: | 16612 |       |
| Ion         | Ratio | Lower | Upper |
| 130         | 100   |       |       |
| 95          | 101.4 | 0.0   | 234.4 |

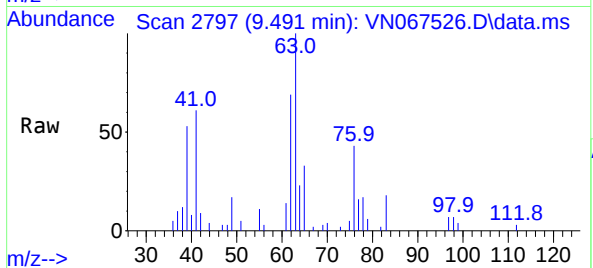




#45

1,2-Dichloropropane  
Concen: 4.264 ug/l  
RT: 9.491 min Scan# 2797  
Delta R.T. -0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

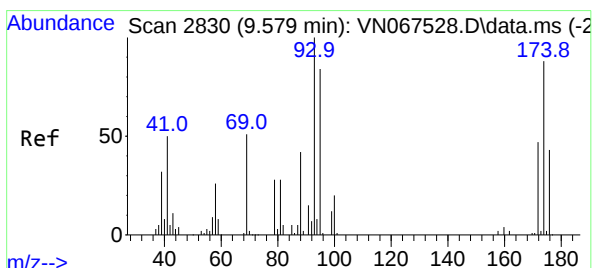
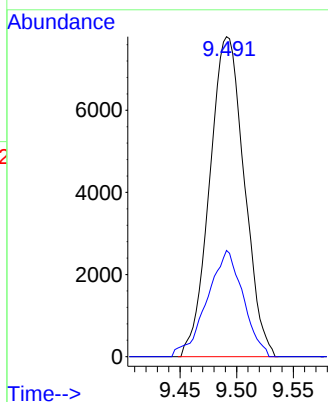
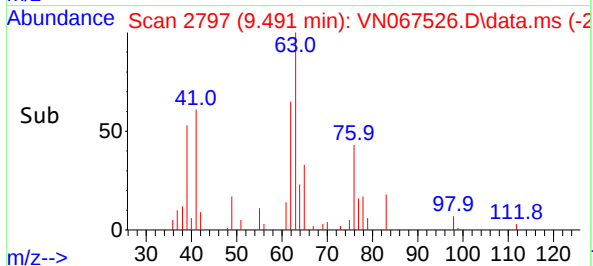
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005



Tgt Ion: 63 Resp: 16531  
Ion Ratio Lower Upper  
63 100  
65 33.2 24.3 36.5

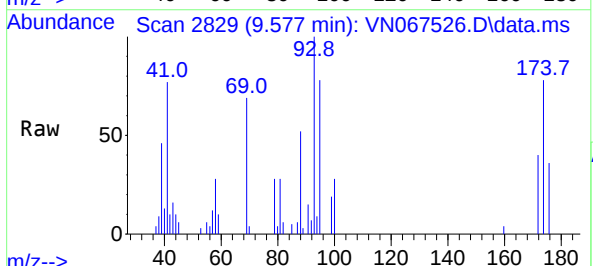
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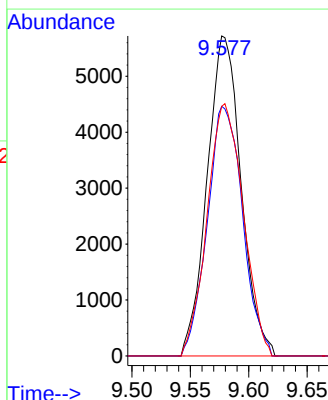
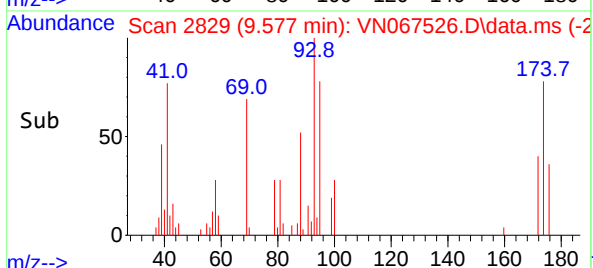


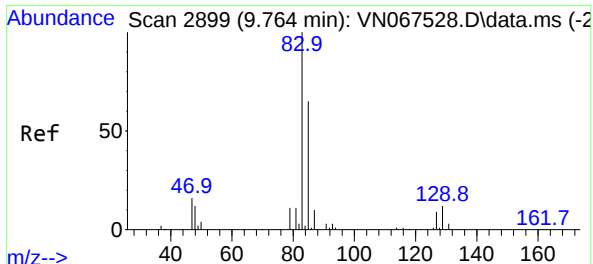
#46

Dibromomethane  
Concen: 4.791 ug/l  
RT: 9.577 min Scan# 2829  
Delta R.T. -0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13



Tgt Ion: 93 Resp: 11561  
Ion Ratio Lower Upper  
93 100  
95 80.8 66.1 99.1  
174 83.9 61.0 91.4





#47

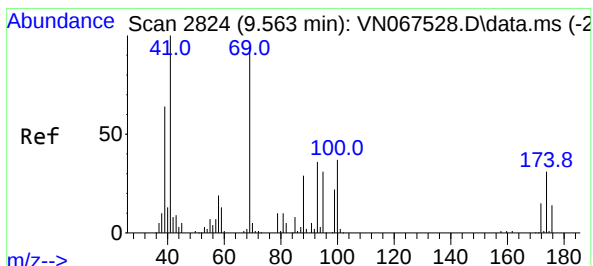
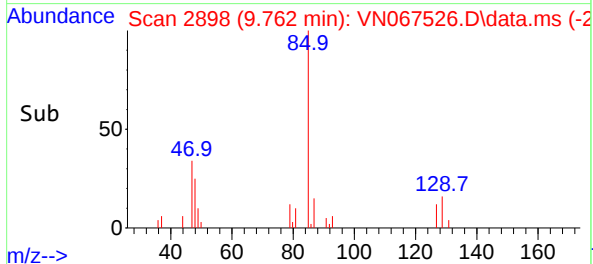
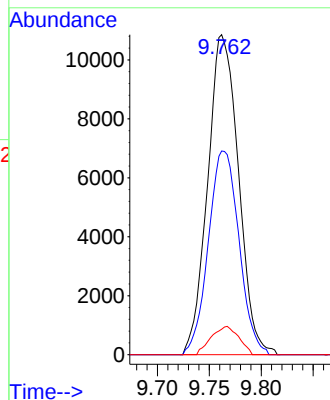
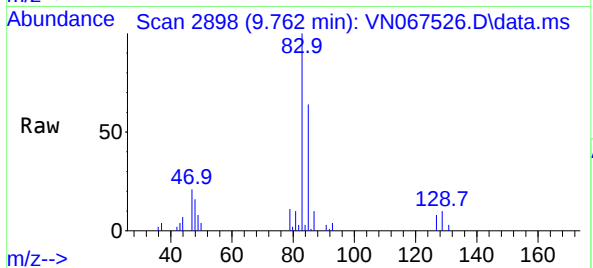
Bromodichloromethane  
Concen: 4.558 ug/l  
RT: 9.762 min Scan# 2898  
Delta R.T. -0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 22427 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 63.7  | 49.9  | 74.9  |
| 127      | 7.9   | 6.1   | 9.1   |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

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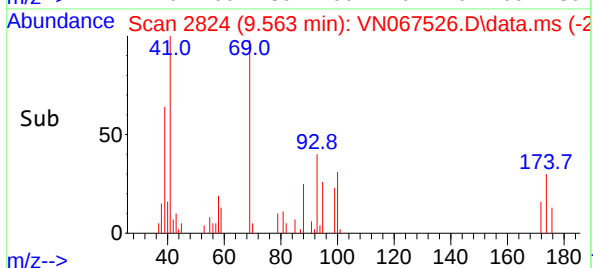
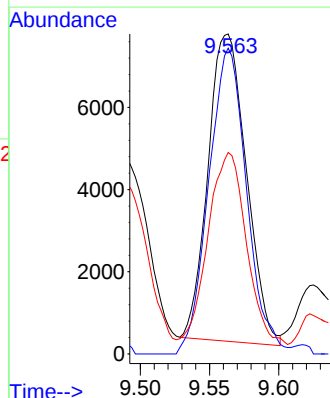
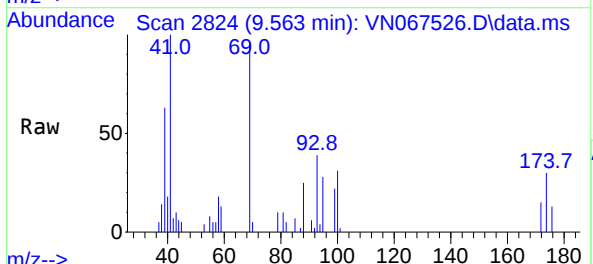
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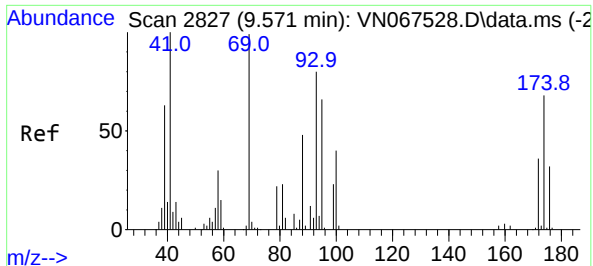


#48

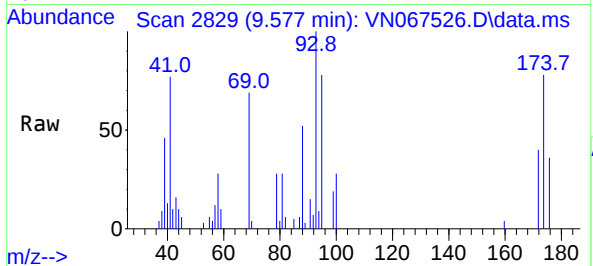
Methyl methacrylate  
Concen: 3.820 ug/l  
RT: 9.563 min Scan# 2824  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 14405 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 98.4  | 64.6  | 96.8  |
| 39       | 63.8  | 53.3  | 79.9  |

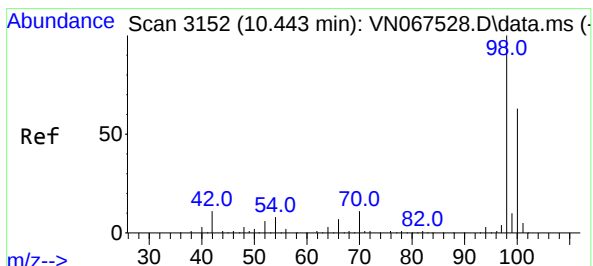
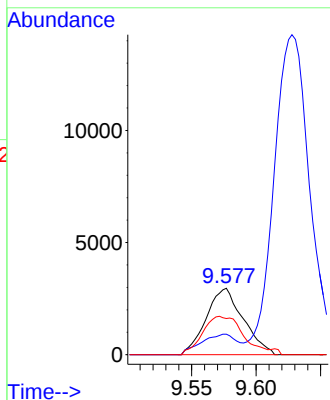
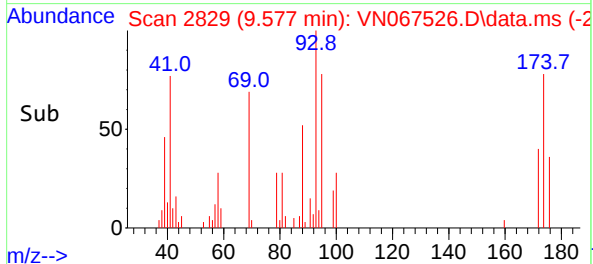




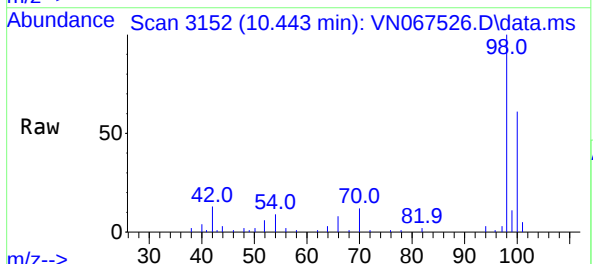
#49  
1,4-Dioxane  
Concen: 104.707 ug/l  
RT: 9.577 min Scan# 2829  
Delta R.T. 0.006 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13



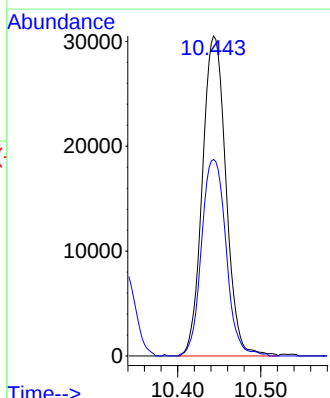
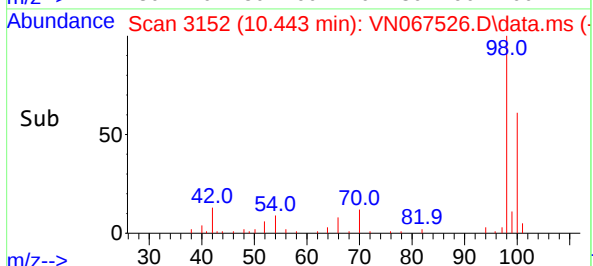
Tgt Ion: 88 Resp: 5901  
Ion Ratio Lower Upper  
88 100  
43 30.4 28.8 43.2  
58 64.7 60.4 90.6



#50  
Toluene-d8  
Concen: 5.177 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13



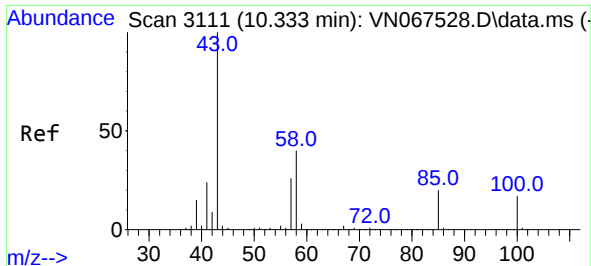
Tgt Ion: 98 Resp: 60098  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.7 77.5



Instrument :  
MSVOA\_N  
ClientSampleId :  
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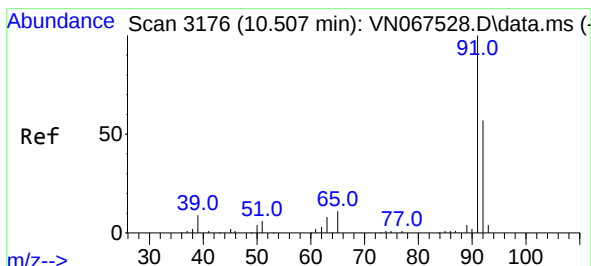
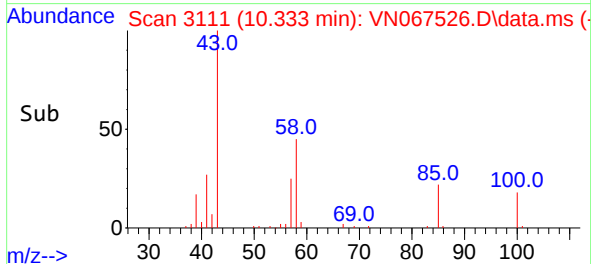
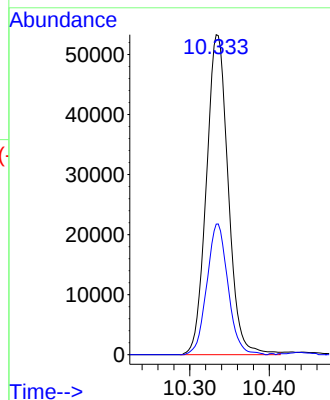
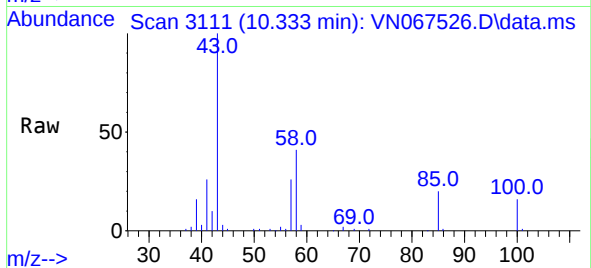
#51  
4-Methyl-2-Pentanone  
Concen: 19.975 ug/l  
RT: 10.333 min Scan# 3111  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Tgt Ion: 43 Resp: 101766  
Ion Ratio Lower Upper  
43 100  
58 39.5 28.6 43.0

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

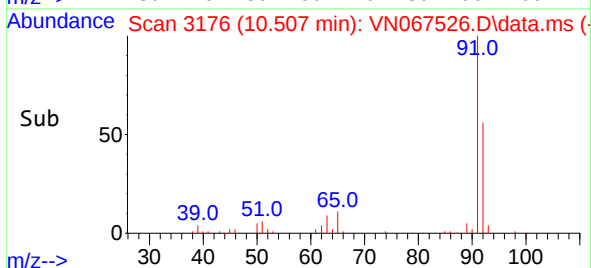
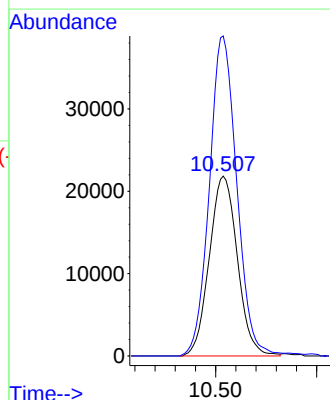
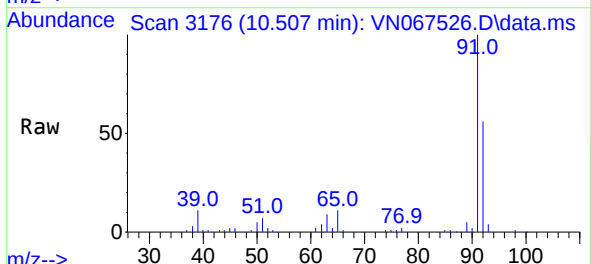
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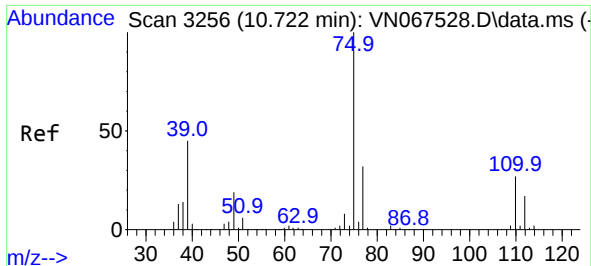
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#52  
Toluene  
Concen: 4.942 ug/l  
RT: 10.507 min Scan# 3176  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Tgt Ion: 92 Resp: 42132  
Ion Ratio Lower Upper  
92 100  
91 174.3 139.6 209.4





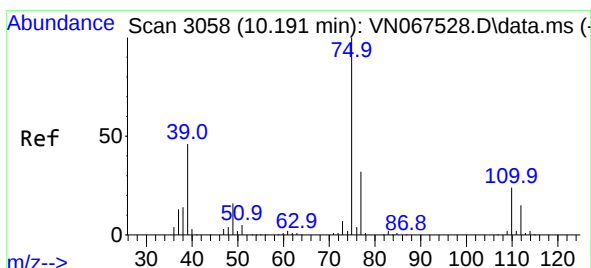
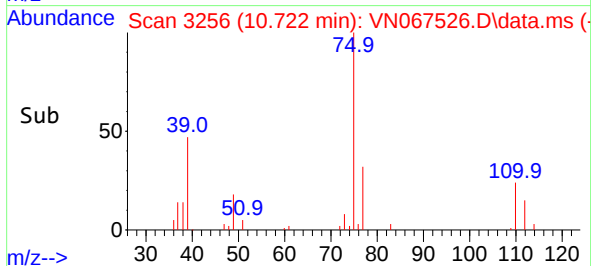
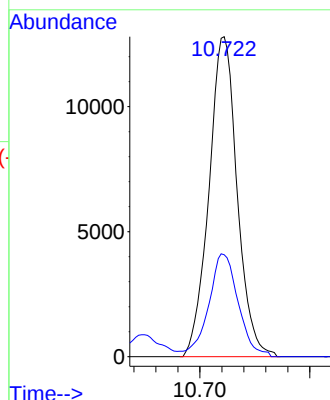
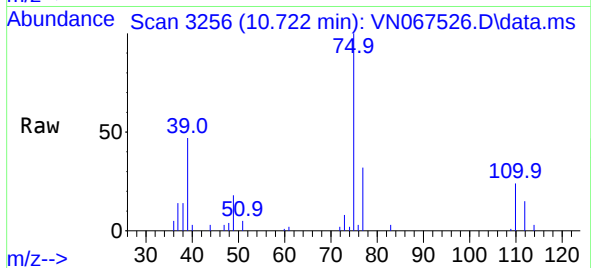
#53  
 t-1,3-Dichloropropene  
 Concen: 4.189 ug/l  
 RT: 10.722 min Scan# 3256  
 Delta R.T. 0.000 min  
 Lab File: VN067526.D  
 Acq: 28 Jun 2021 12:13

Tgt Ion: 75 Resp: 22795  
 Ion Ratio Lower Upper  
 75 100  
 77 31.8 25.1 37.7

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

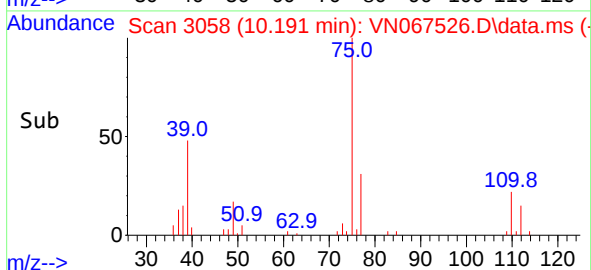
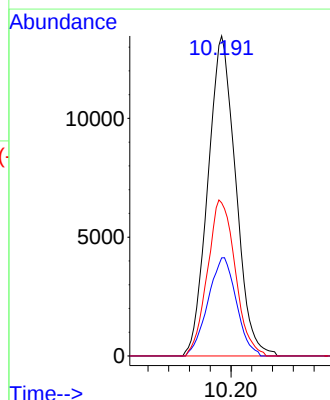
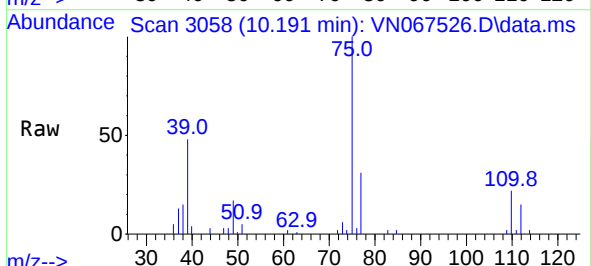
Manual Integrations  
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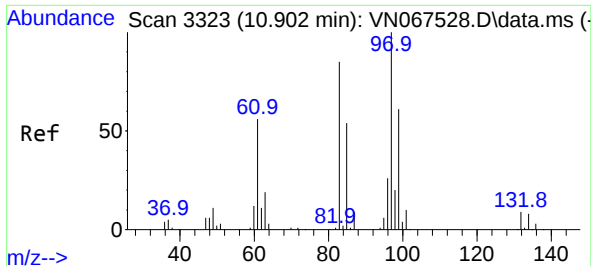
MMDadoda  
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#54  
 cis-1,3-Dichloropropene  
 Concen: 4.175 ug/l  
 RT: 10.191 min Scan# 3058  
 Delta R.T. 0.000 min  
 Lab File: VN067526.D  
 Acq: 28 Jun 2021 12:13

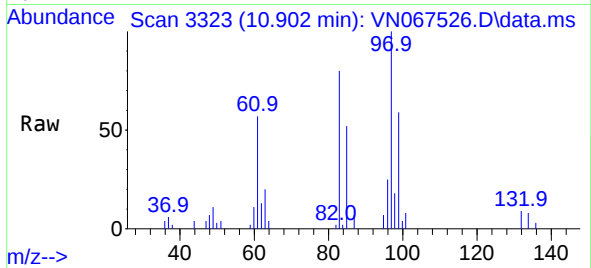
Tgt Ion: 75 Resp: 24988  
 Ion Ratio Lower Upper  
 75 100  
 77 30.6 24.6 37.0  
 39 47.8 50.7 76.1#





#55  
1,1,2-Trichloroethane  
Concen: 5.117 ug/l  
RT: 10.902 min Scan# 3323  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

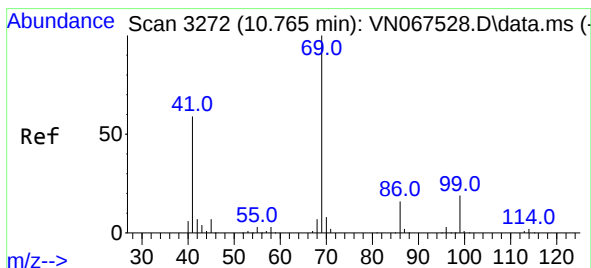
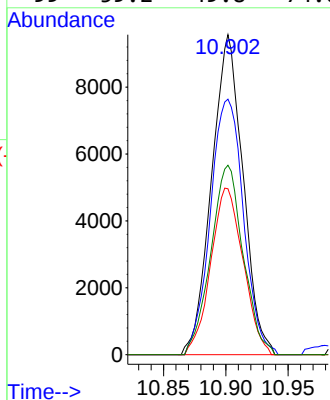
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005



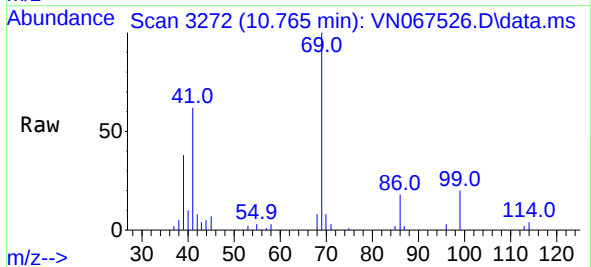
| Tgt Ion: | 97    | Resp: | 16755 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 79.9  | 72.0  | 108.0 |
| 85       | 51.9  | 46.8  | 70.2  |
| 99       | 59.2  | 49.8  | 74.6  |

Manual Integrations  
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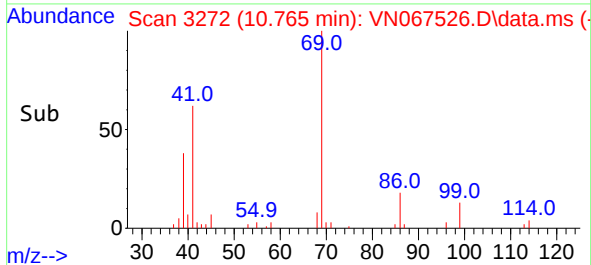
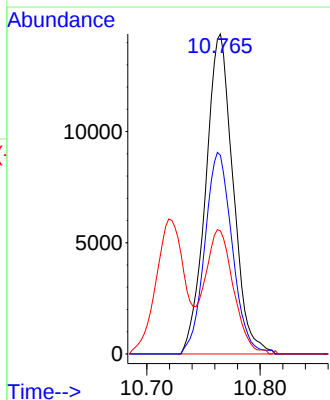
MMDadoda  
6/29/2021 6:22:15 PM

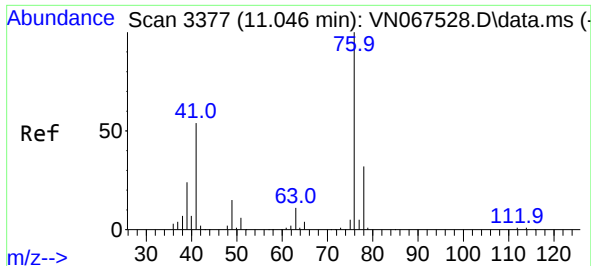


#56  
Ethyl methacrylate  
Concen: 4.198 ug/l  
RT: 10.765 min Scan# 3272  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13



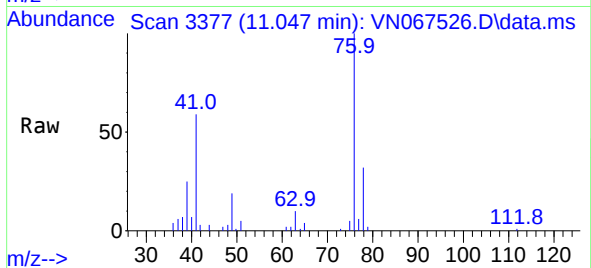
| Tgt Ion: | 69    | Resp: | 24145 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 63.4  | 58.6  | 88.0  |
| 39       | 39.9  | 38.3  | 57.5  |





#57  
1,3-Dichloropropane  
Concen: 4.556 ug/l  
RT: 11.047 min Scan# 3377  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

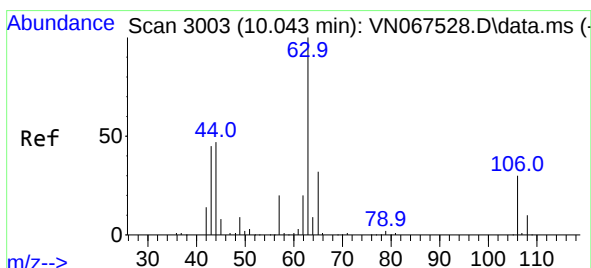
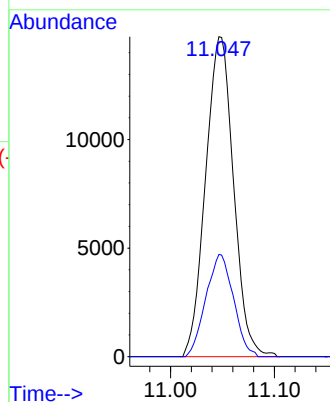
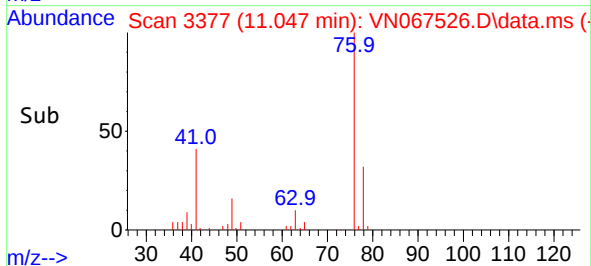
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005



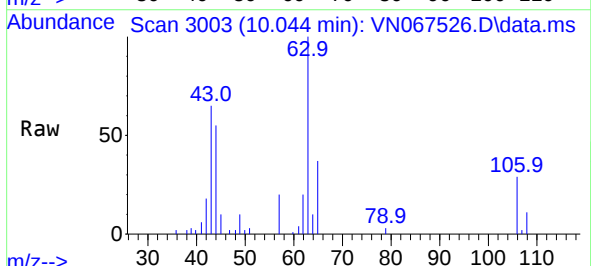
Tgt Ion: 76 Resp: 27550  
Ion Ratio Lower Upper  
76 100  
78 31.5 25.7 38.5

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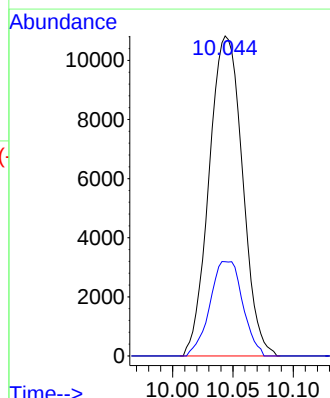
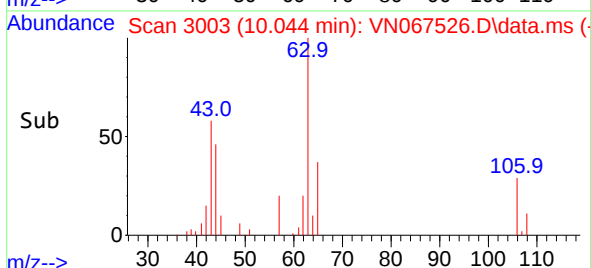
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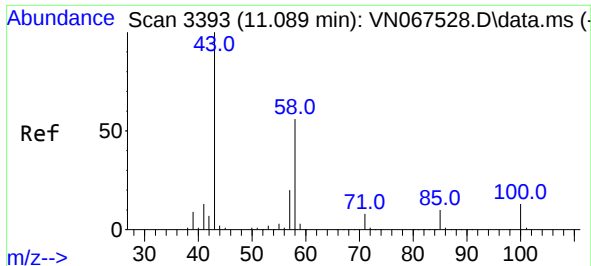


#58  
2-Chloroethyl Vinyl ether  
Concen: 16.307 ug/l  
RT: 10.044 min Scan# 3003  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13



Tgt Ion: 63 Resp: 20802  
Ion Ratio Lower Upper  
63 100  
106 29.0 19.8 29.8





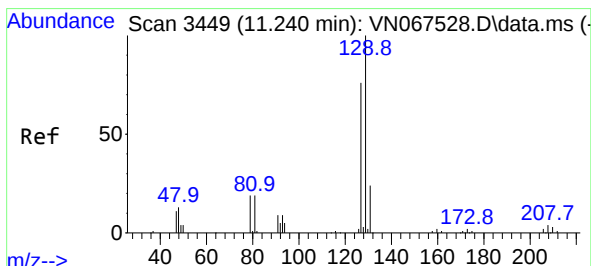
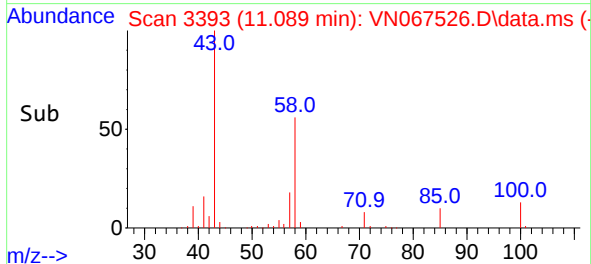
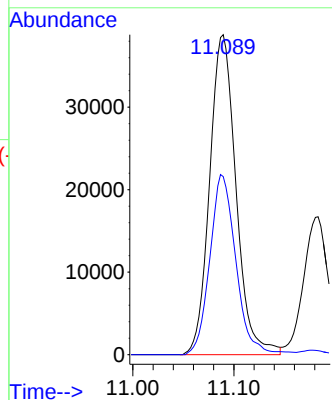
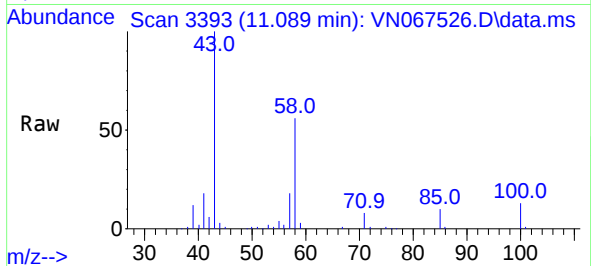
#59  
2-Hexanone  
Concen: 19.664 ug/l  
RT: 11.089 min Scan# 3393  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Tgt Ion: 43 Resp: 70442  
Ion Ratio Lower Upper  
43 100  
58 55.6 24.7 74.1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

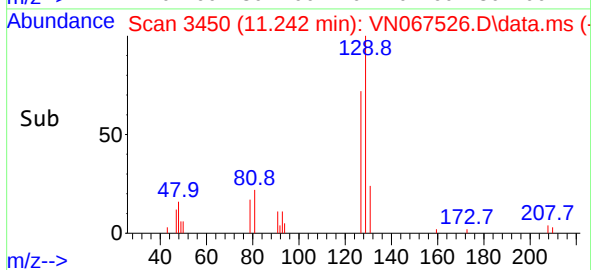
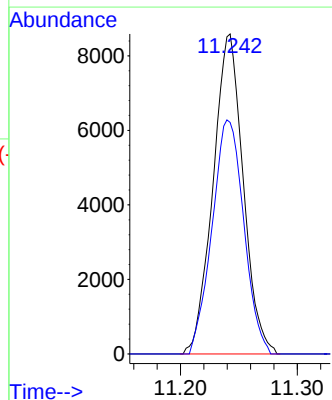
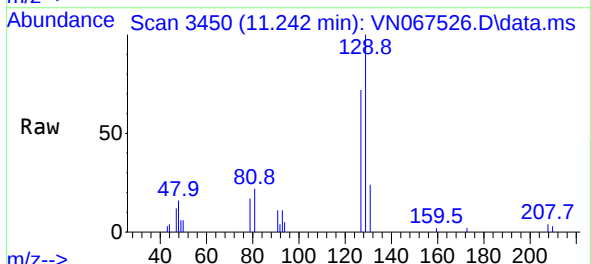
Manual Integrations  
APPROVED

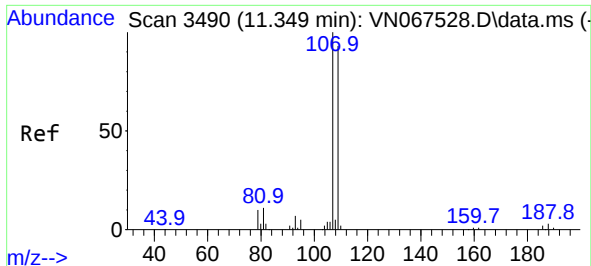
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#60  
Dibromochloromethane  
Concen: 5.093 ug/l  
RT: 11.242 min Scan# 3450  
Delta R.T. 0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

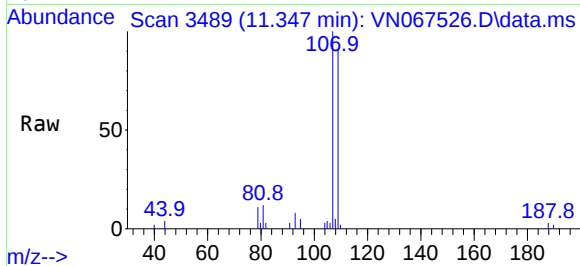
Tgt Ion: 129 Resp: 15410  
Ion Ratio Lower Upper  
129 100  
127 76.8 38.6 115.8





#61  
1,2-Dibromoethane  
Concen: 5.110 ug/l  
RT: 11.347 min Scan# 3489  
Delta R.T. -0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

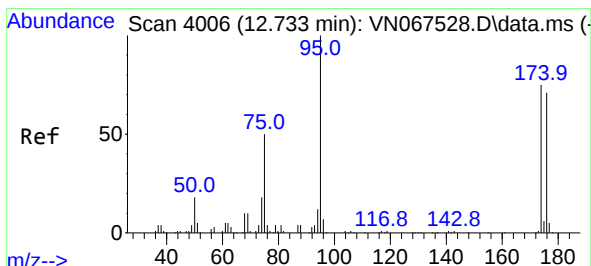
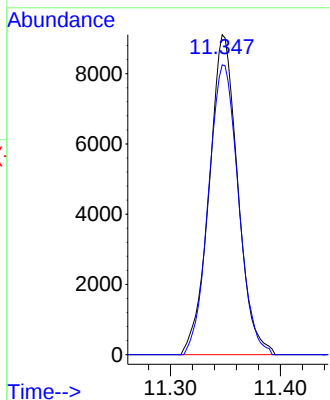
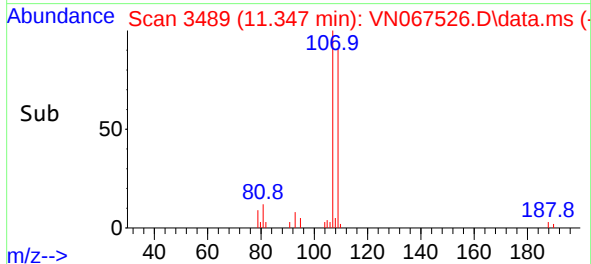
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005



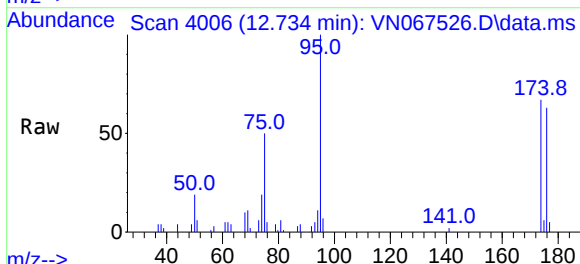
Tgt Ion:107 Resp: 16438  
Ion Ratio Lower Upper  
107 100  
109 94.5 75.0 112.4

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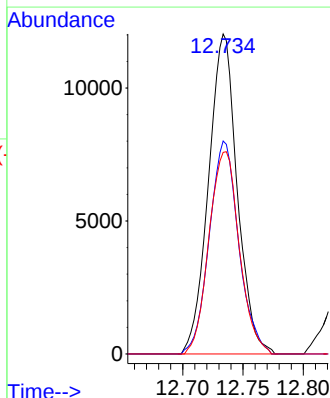
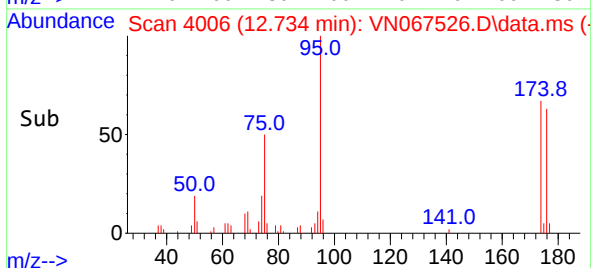
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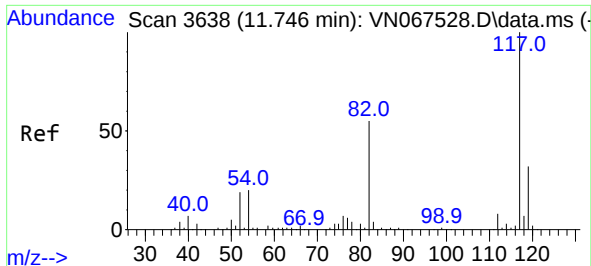


#62  
4-Bromofluorobenzene  
Concen: 4.815 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

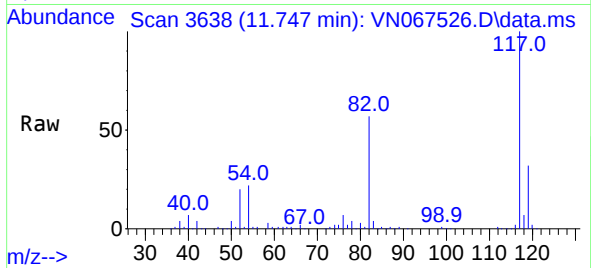


Tgt Ion: 95 Resp: 19926  
Ion Ratio Lower Upper  
95 100  
174 68.1 0.0 122.0  
176 66.8 0.0 117.6

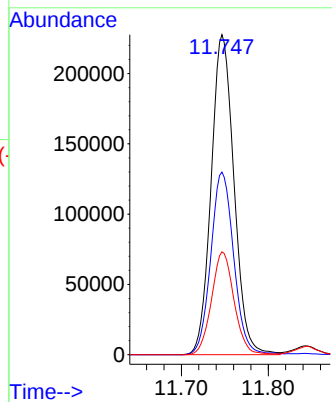
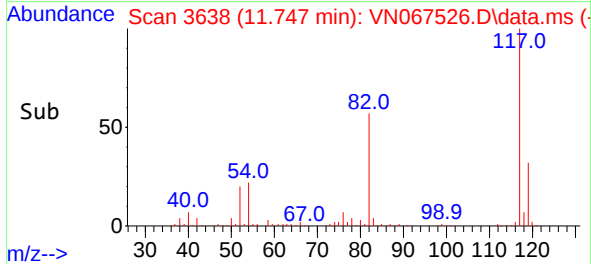




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.747 min Scan# 3638  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13



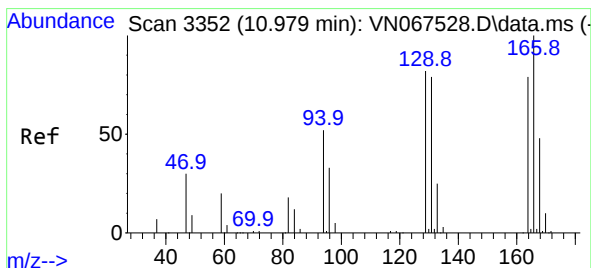
Tgt Ion:117 Resp: 415822  
Ion Ratio Lower Upper  
117 100  
82 57.0 53.1 79.7  
119 32.2 25.5 38.3



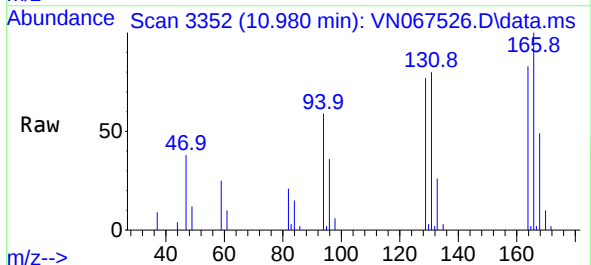
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

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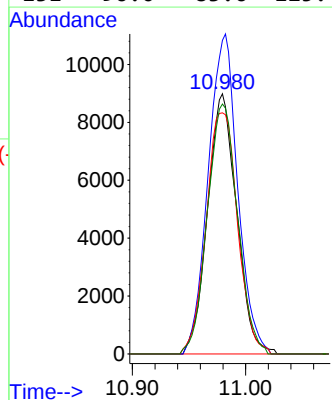
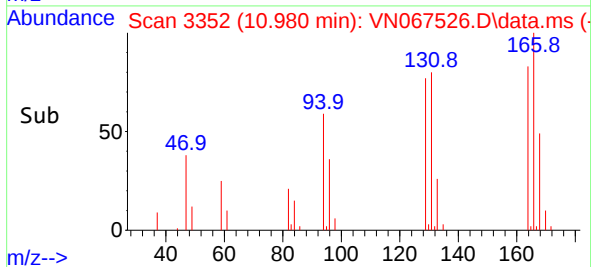
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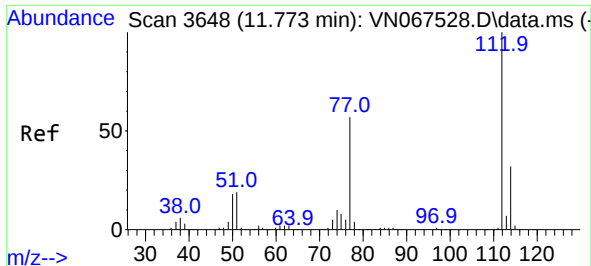


#64  
Tetrachloroethene  
Concen: 5.805 ug/l  
RT: 10.980 min Scan# 3352  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

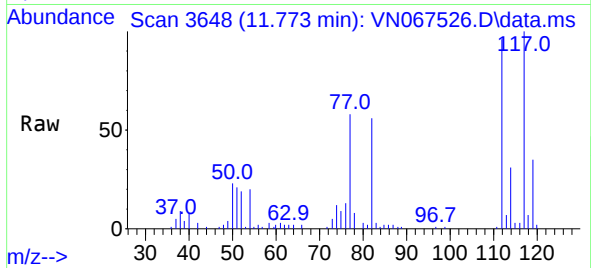


Tgt Ion:164 Resp: 16007  
Ion Ratio Lower Upper  
164 100  
166 120.5 102.1 153.1  
129 92.7 86.9 130.3  
131 96.0 83.6 125.4

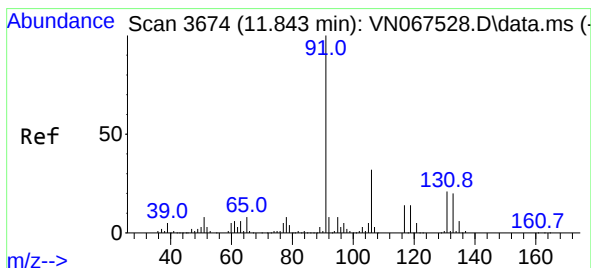
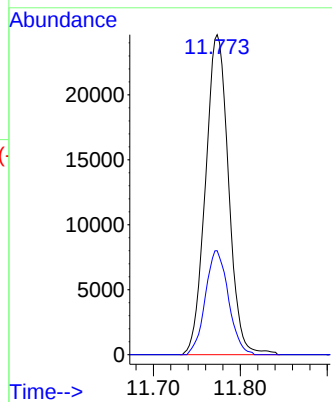
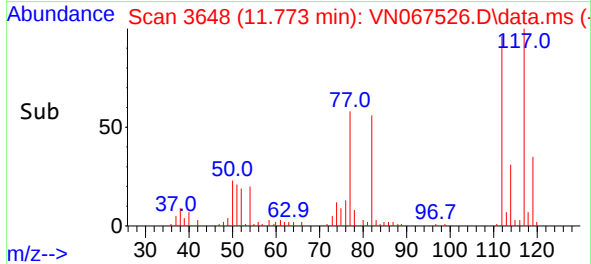




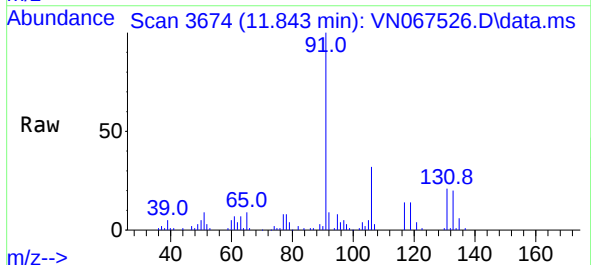
#65  
Chlorobenzene  
Concen: 5.302 ug/l  
RT: 11.773 min Scan# 3648  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13



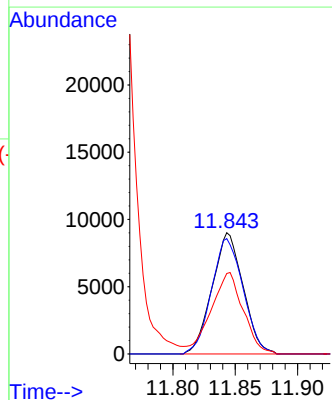
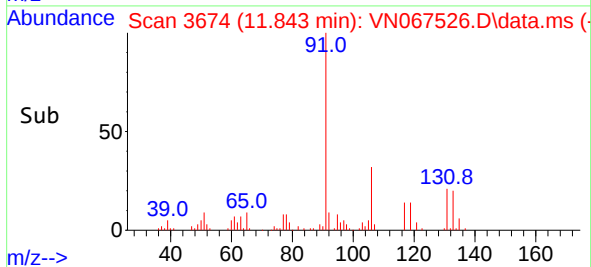
Tgt Ion:112 Resp: 45410  
Ion Ratio Lower Upper  
112 100  
114 32.5 24.6 37.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 5.383 ug/l  
RT: 11.843 min Scan# 3674  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13



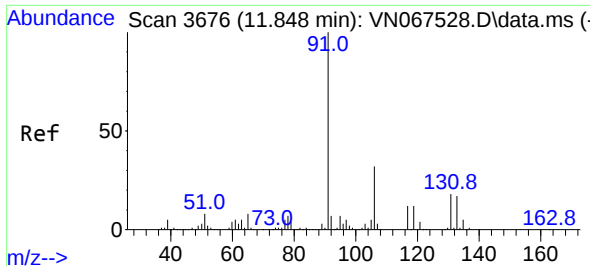
Tgt Ion:131 Resp: 15585  
Ion Ratio Lower Upper  
131 100  
133 97.3 47.5 142.5  
119 69.5 33.1 99.3



Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Manual Integrations  
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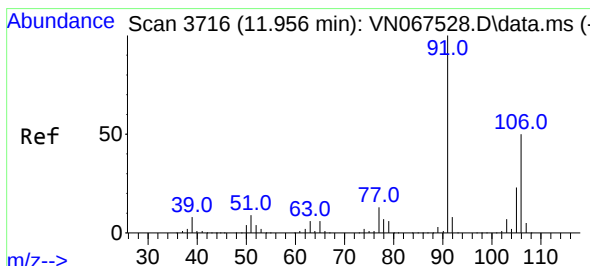
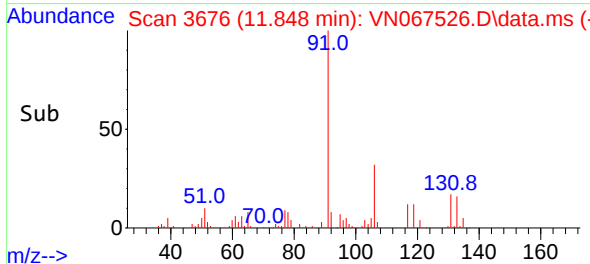
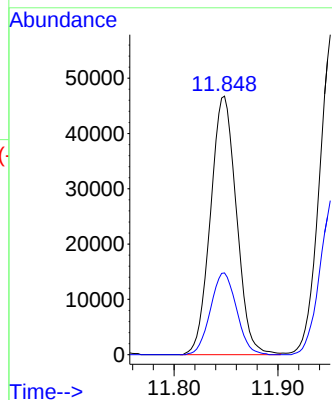
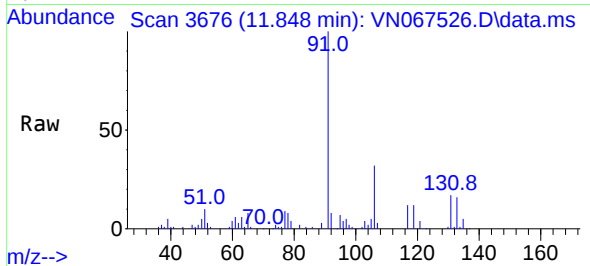
#67  
Ethyl Benzene  
Concen: 4.727 ug/l  
RT: 11.848 min Scan# 3676  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Tgt Ion: 91 Resp: 81214  
Ion Ratio Lower Upper  
91 100  
106 31.6 23.4 35.0

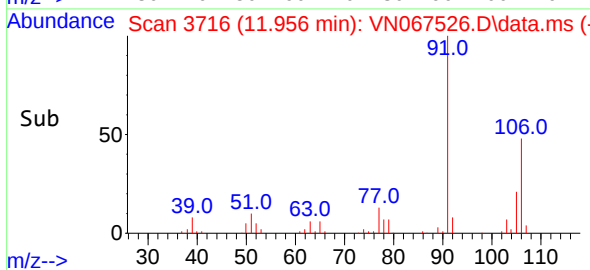
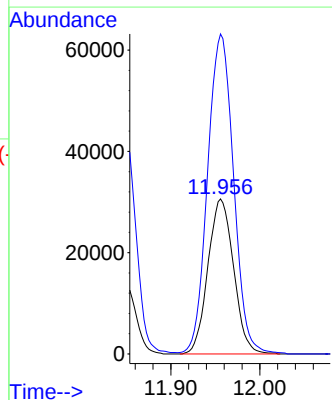
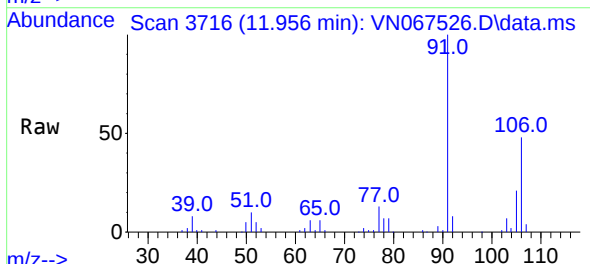
Manual Integrations  
APPROVED

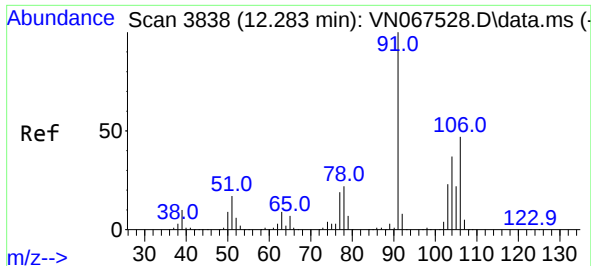
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#68  
m/p-Xylenes  
Concen: 10.284 ug/l  
RT: 11.956 min Scan# 3716  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Tgt Ion:106 Resp: 61325  
Ion Ratio Lower Upper  
106 100  
91 209.4 180.6 270.8





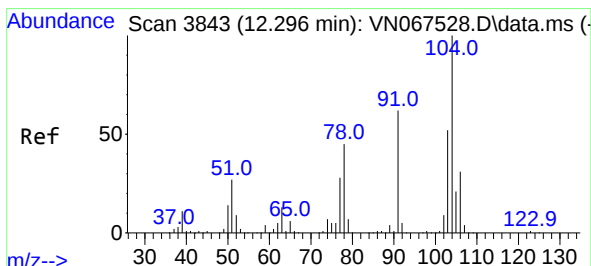
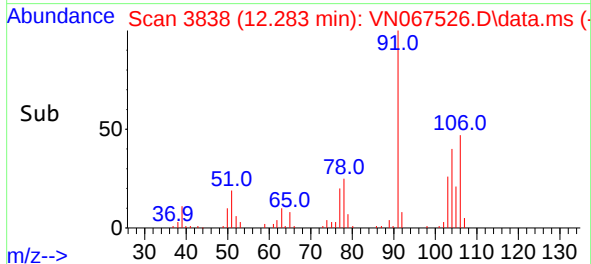
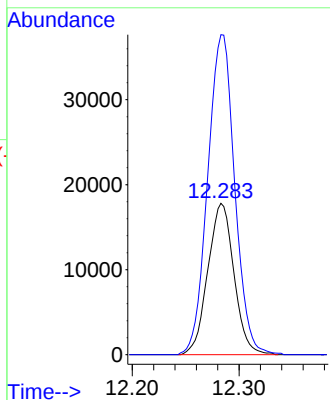
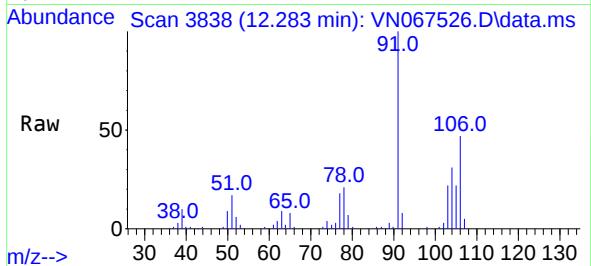
#69  
o-Xylene  
Concen: 5.150 ug/l  
RT: 12.283 min Scan# 3838  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Tgt Ion:106 Resp: 30340  
Ion Ratio Lower Upper  
106 100  
91 218.4 118.3 354.9

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

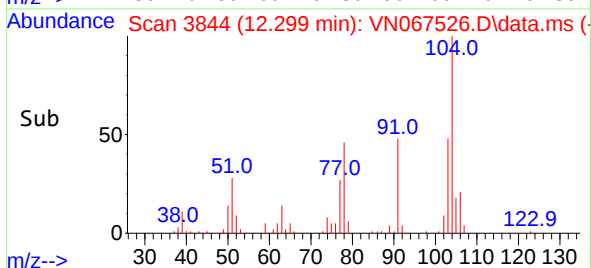
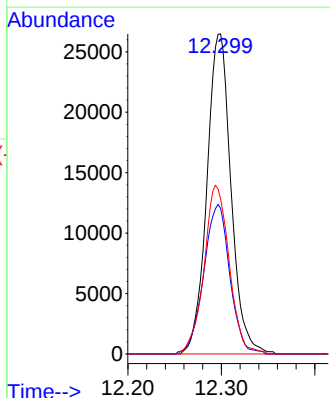
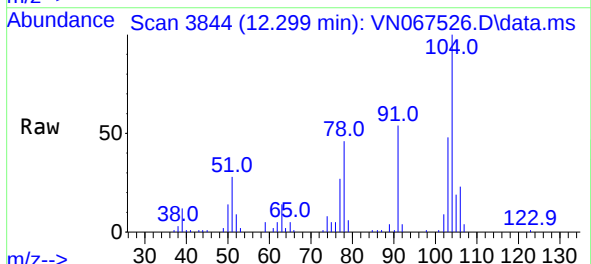
Manual Integrations  
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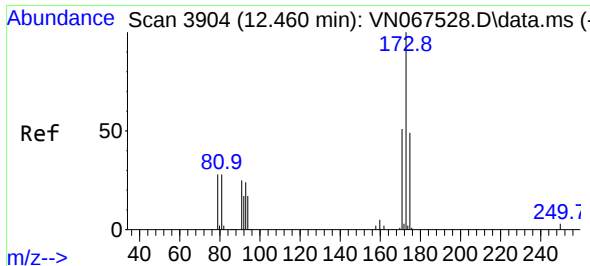
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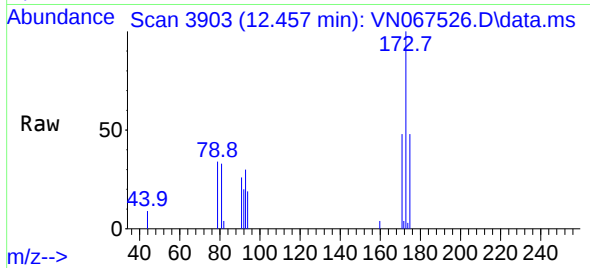
#70  
Styrene  
Concen: 4.954 ug/l  
RT: 12.299 min Scan# 3844  
Delta R.T. 0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Tgt Ion:104 Resp: 47654  
Ion Ratio Lower Upper  
104 100  
78 50.3 48.2 72.2  
103 54.8 44.5 66.7

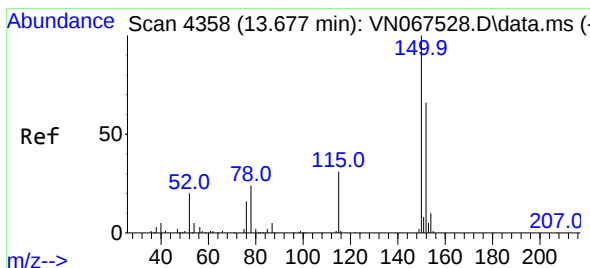
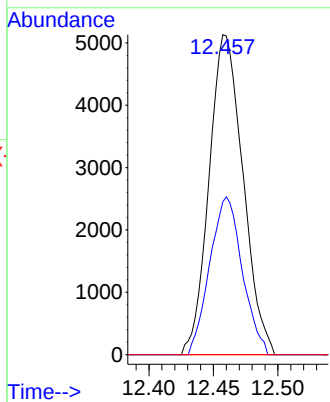
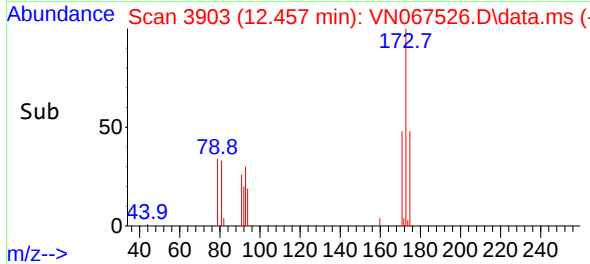




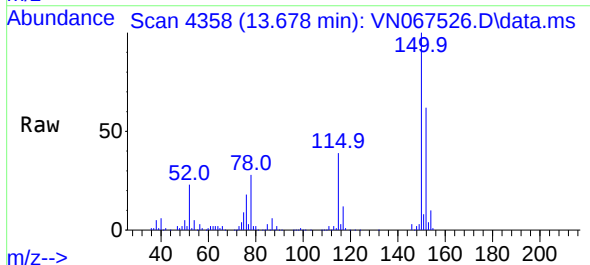
#71  
Bromoform  
Concen: 4.822 ug/l  
RT: 12.457 min Scan# 3903  
Delta R.T. -0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13



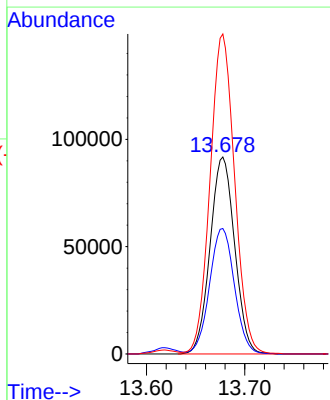
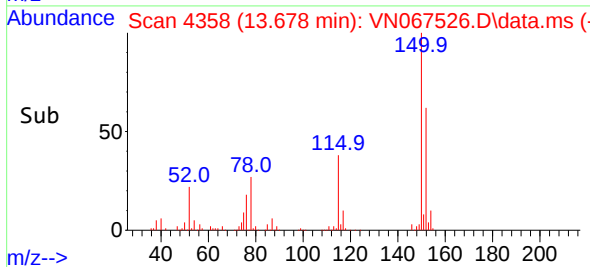
Tgt Ion:173 Resp: 9389  
Ion Ratio Lower Upper  
173 100  
175 47.2 23.9 71.8  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.678 min Scan# 4358  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13



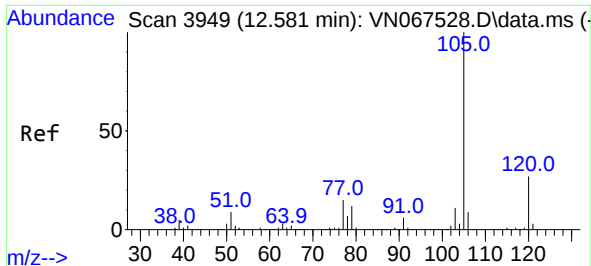
Tgt Ion:152 Resp: 159555  
Ion Ratio Lower Upper  
152 100  
115 64.7 36.1 108.5  
150 162.4 0.0 351.8



Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

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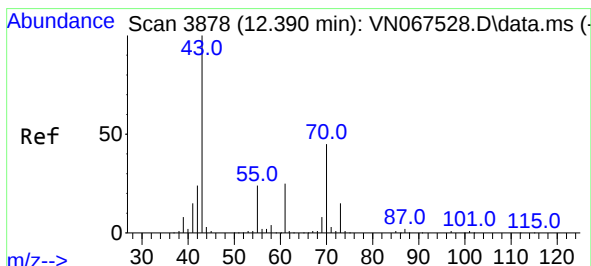
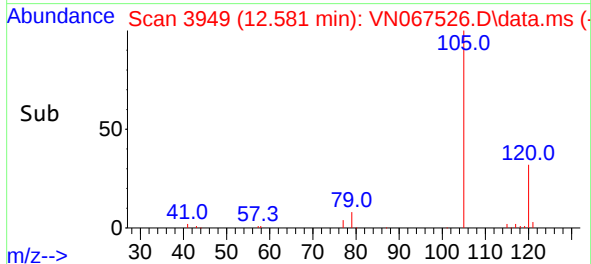
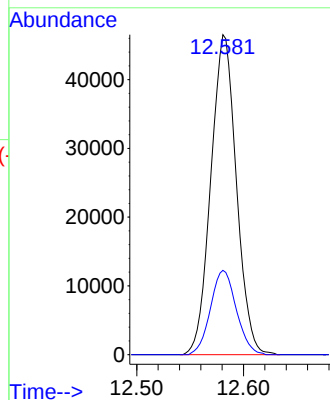
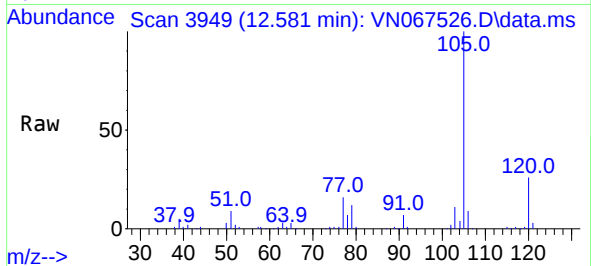
#73  
Isopropylbenzene  
Concen: 4.950 ug/l  
RT: 12.581 min Scan# 3949  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Tgt Ion:105 Resp: 77301  
Ion Ratio Lower Upper  
105 100  
120 26.6 12.5 37.5

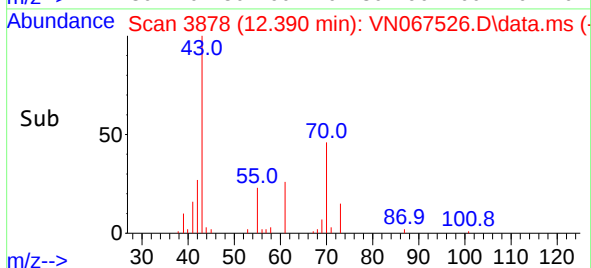
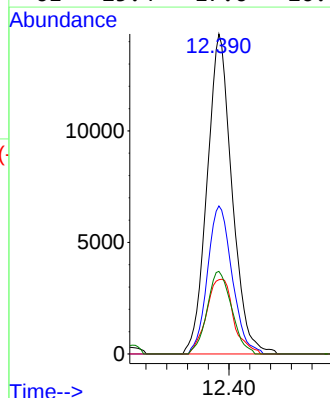
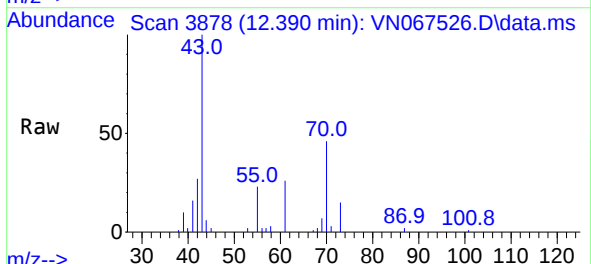
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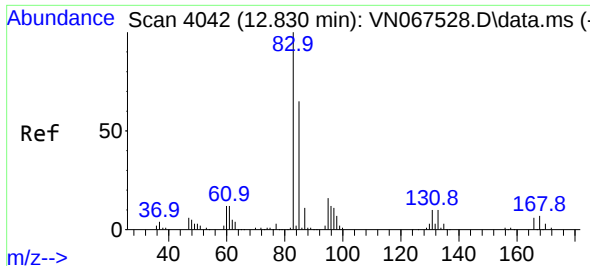
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#74  
N-ethyl acetate  
Concen: 3.323 ug/l  
RT: 12.390 min Scan# 3878  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Tgt Ion: 43 Resp: 23868  
Ion Ratio Lower Upper  
43 100  
70 45.8 29.4 44.2#  
55 25.2 17.0 25.4  
61 25.4 17.6 26.4





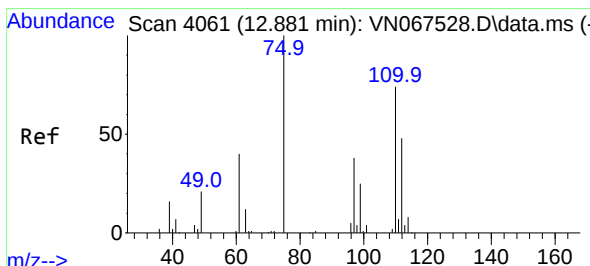
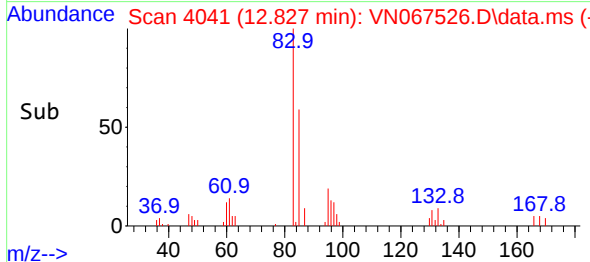
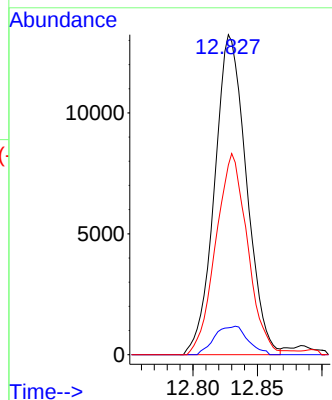
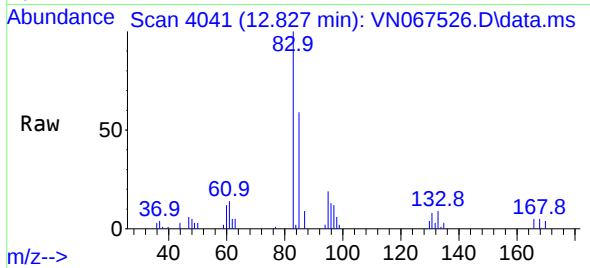
#75  
1,1,2,2-Tetrachloroethane  
Concen: 4.580 ug/l  
RT: 12.827 min Scan# 4041  
Delta R.T. -0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Tgt Ion: 83 Resp: 22766  
Ion Ratio Lower Upper  
83 100  
131 9.3 4.8 14.4  
85 63.2 32.2 96.6

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

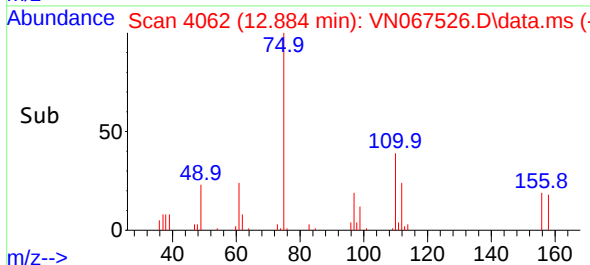
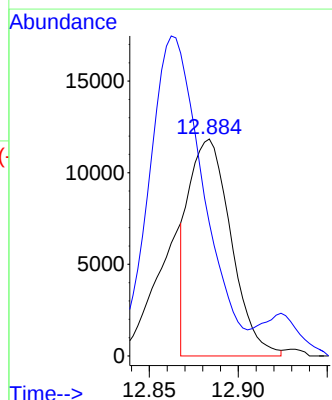
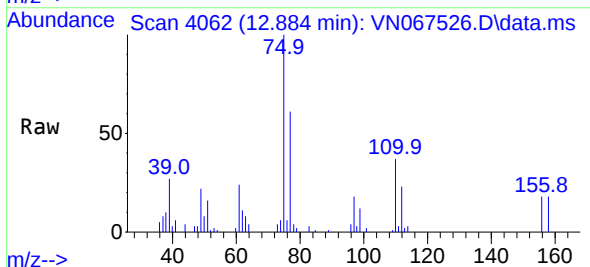
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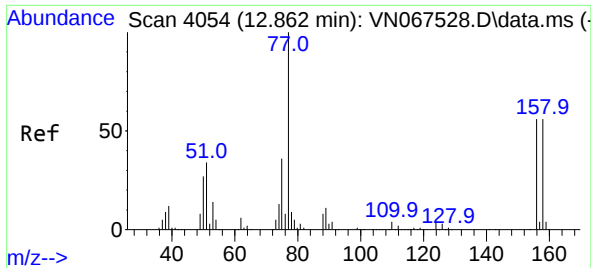
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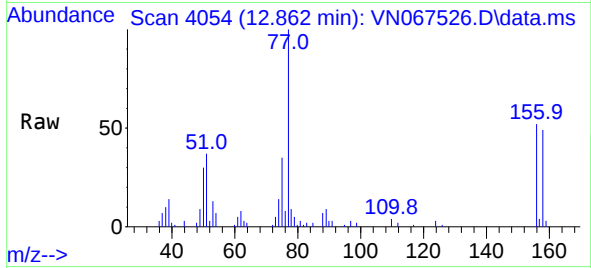
#76  
1,2,3-Trichloropropane  
Concen: 4.385 ug/l m  
RT: 12.884 min Scan# 4062  
Delta R.T. 0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Tgt Ion: 75 Resp: 19484  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0

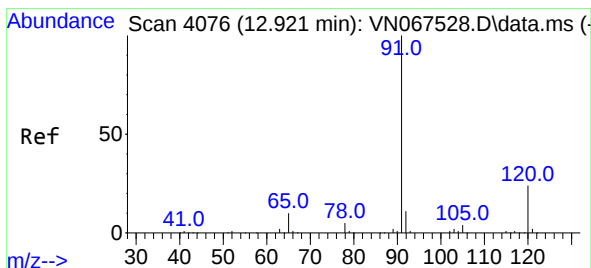
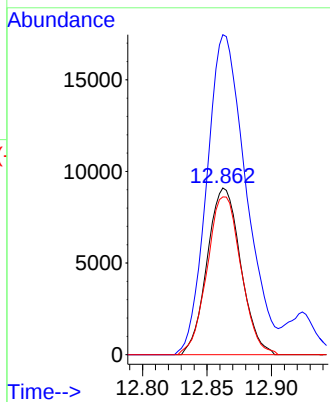
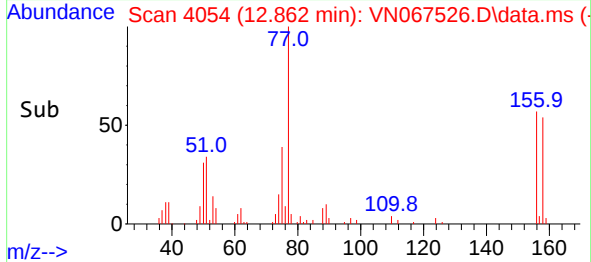




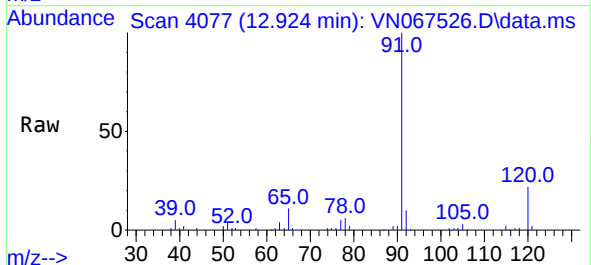
#77  
Bromobenzene  
Concen: 5.556 ug/l  
RT: 12.862 min Scan# 4054  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13



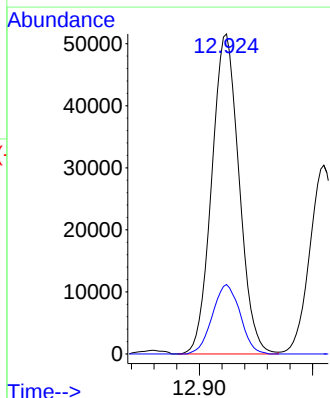
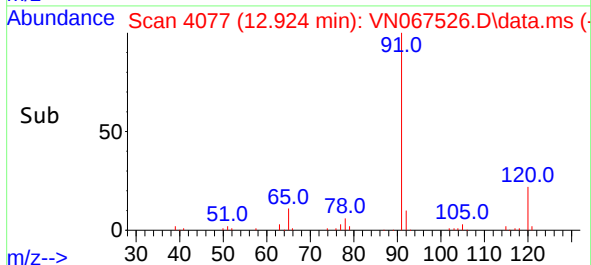
Tgt Ion:156 Resp: 16463  
Ion Ratio Lower Upper  
156 100  
77 224.1 136.2 408.6  
158 95.8 48.4 145.3



#78  
n-propylbenzene  
Concen: 4.546 ug/l  
RT: 12.924 min Scan# 4077  
Delta R.T. 0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13



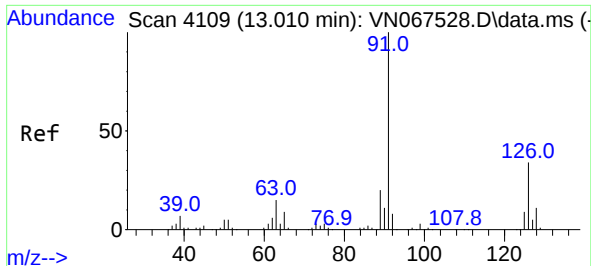
Tgt Ion: 91 Resp: 86367  
Ion Ratio Lower Upper  
91 100  
120 22.0 10.4 31.4



Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

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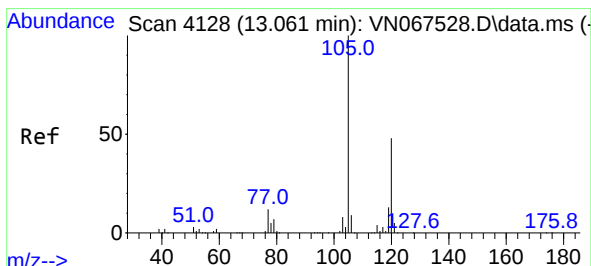
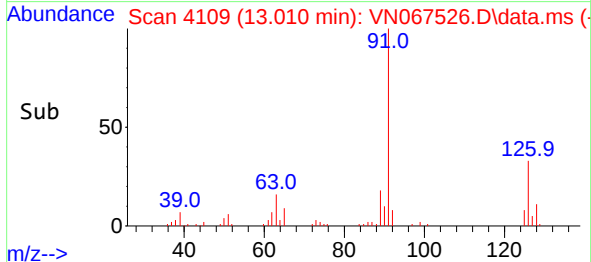
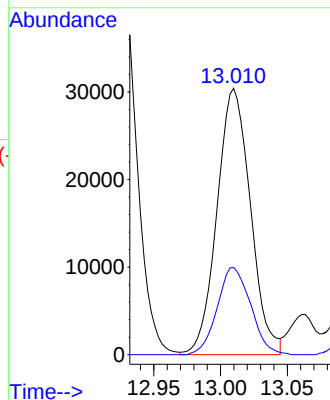
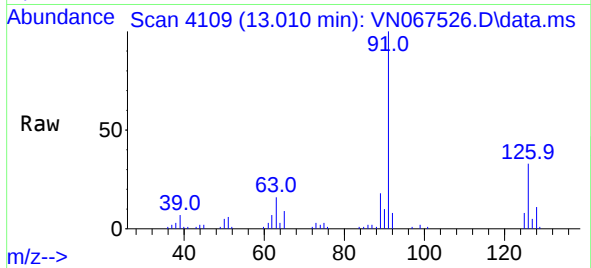
#79  
2-Chlorotoluene  
Concen: 4.654 ug/l  
RT: 13.010 min Scan# 4109  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Tgt Ion: 91 Resp: 53199  
Ion Ratio Lower Upper  
91 100  
126 32.6 14.5 43.5

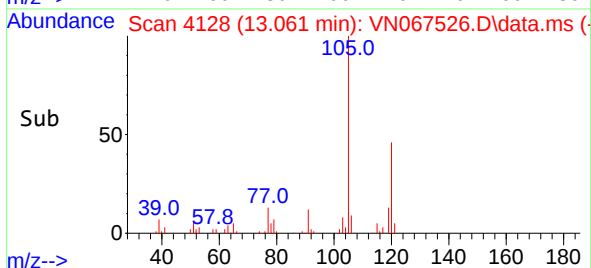
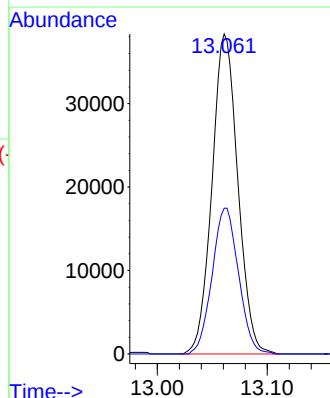
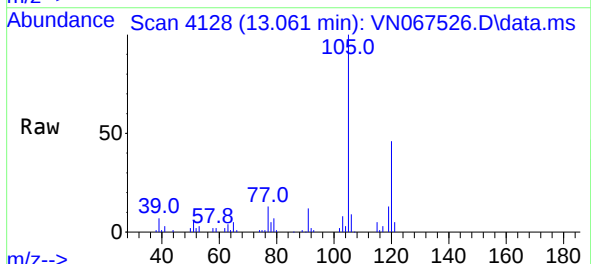
Manual Integrations  
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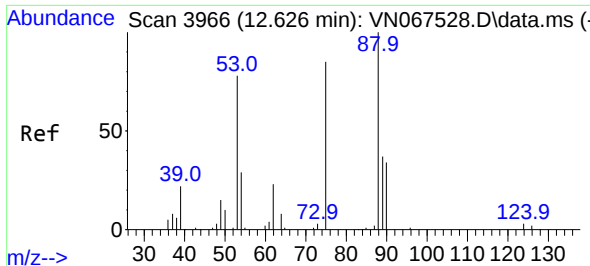
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#80  
1,3,5-Trimethylbenzene  
Concen: 4.899 ug/l  
RT: 13.061 min Scan# 4128  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

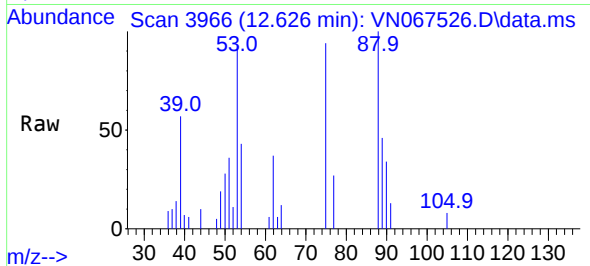
Tgt Ion: 105 Resp: 62594  
Ion Ratio Lower Upper  
105 100  
120 46.5 22.2 66.6





#81  
trans-1,4-Dichloro-2-butene  
Concen: 3.450 ug/l  
RT: 12.626 min Scan# 3966  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

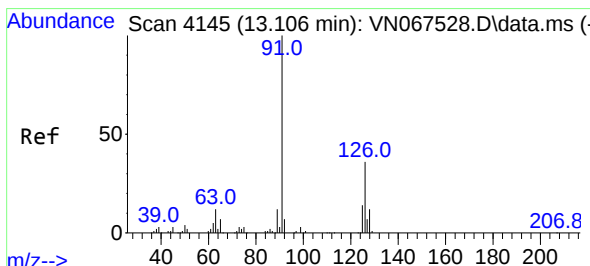
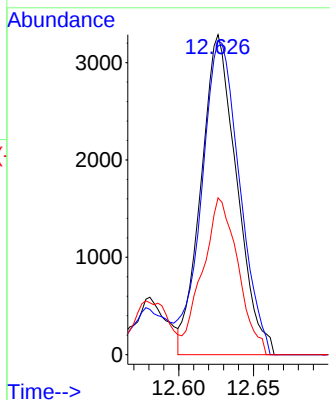
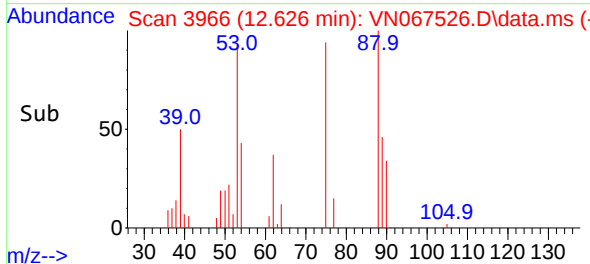
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005



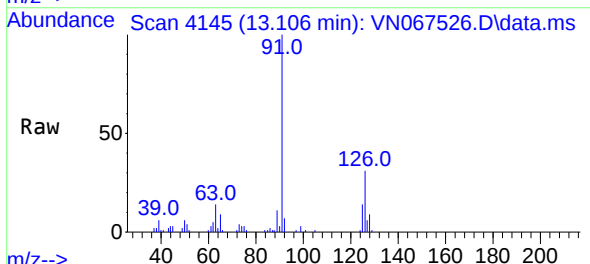
Tgt Ion: 75 Resp: 5455  
Ion Ratio Lower Upper  
75 100  
53 104.3 87.6 131.4  
89 48.5 37.8 56.8

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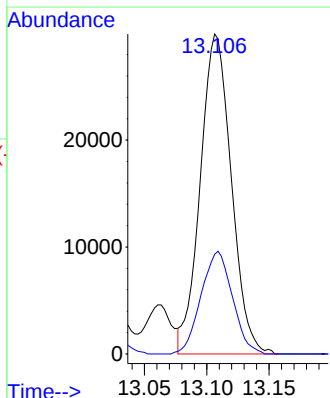
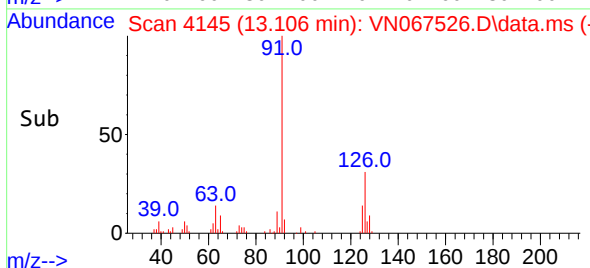
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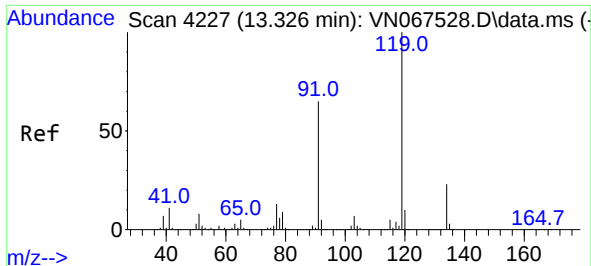


#82  
4-Chlorotoluene  
Concen: 4.611 ug/l  
RT: 13.106 min Scan# 4145  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13



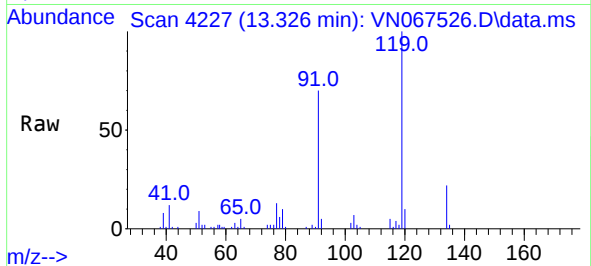
Tgt Ion: 91 Resp: 51791  
Ion Ratio Lower Upper  
91 100  
126 32.5 14.8 44.4





#83  
tert-Butylbenzene  
Concen: 5.311 ug/l  
RT: 13.326 min Scan# 4227  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

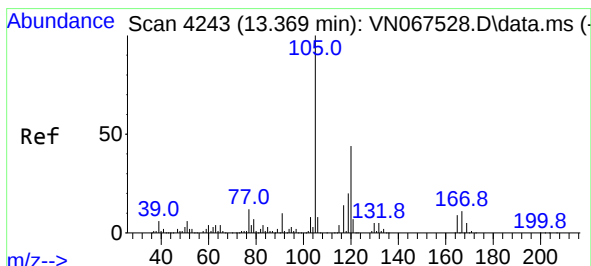
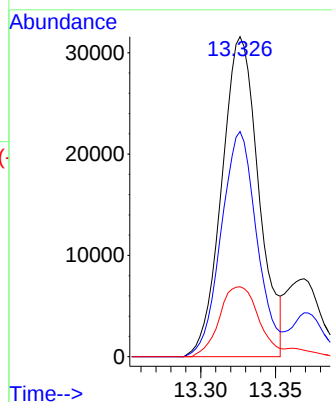
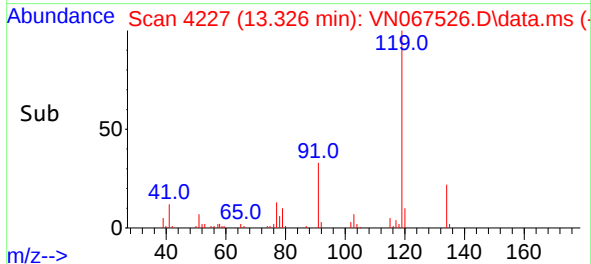
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005



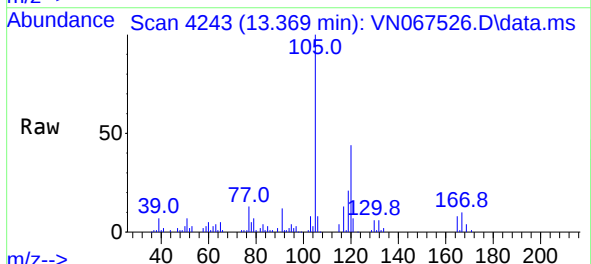
Tgt Ion:119 Resp: 54351  
Ion Ratio Lower Upper  
119 100  
91 67.8 39.5 118.5  
134 23.3 12.0 36.0

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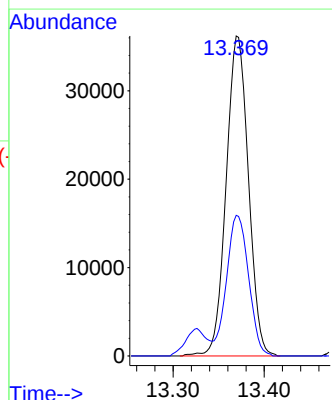
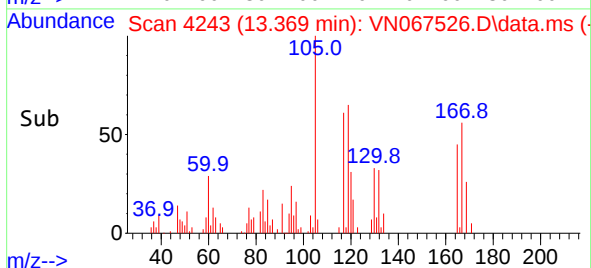
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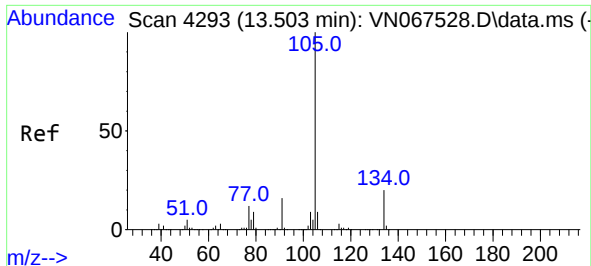


#84  
1,2,4-Trimethylbenzene  
Concen: 4.887 ug/l  
RT: 13.369 min Scan# 4243  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13



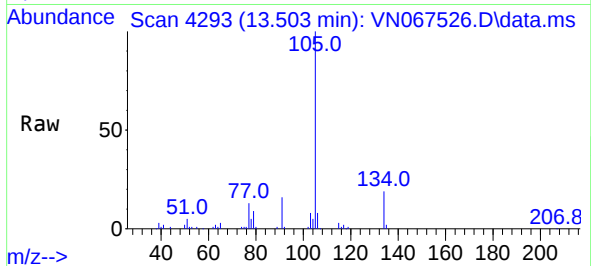
Tgt Ion:105 Resp: 61415  
Ion Ratio Lower Upper  
105 100  
120 43.8 20.6 61.8





#85  
sec-Butylbenzene  
Concen: 4.952 ug/l  
RT: 13.503 min Scan# 4293  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

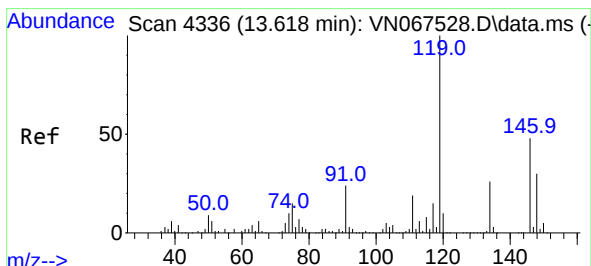
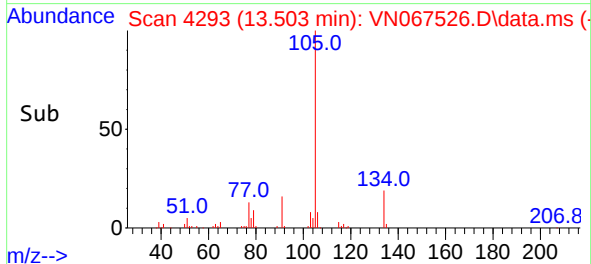
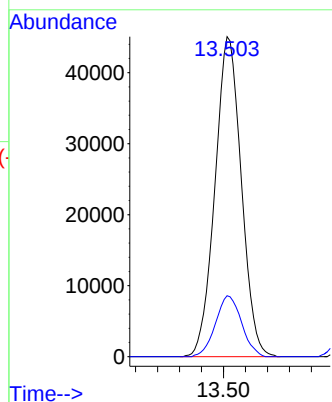
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005



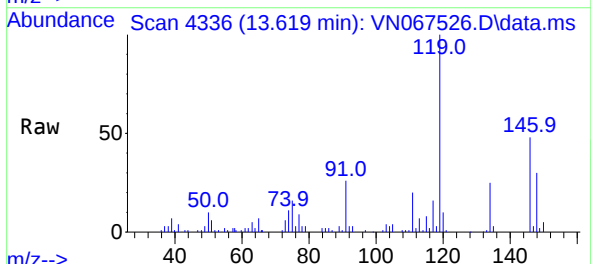
Tgt Ion:105 Resp: 74861  
Ion Ratio Lower Upper  
105 100  
134 18.9 9.0 27.1

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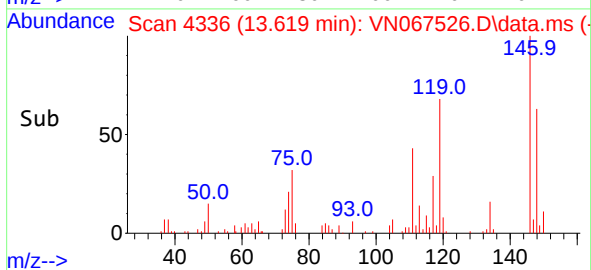
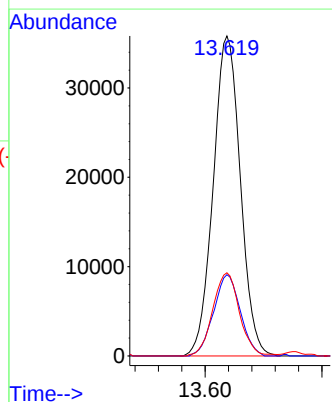
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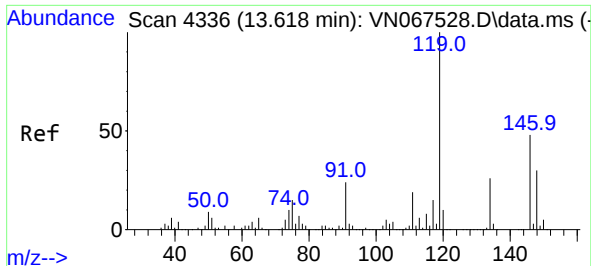


#86  
p-Isopropyltoluene  
Concen: 5.051 ug/l  
RT: 13.619 min Scan# 4336  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13



Tgt Ion:119 Resp: 57729  
Ion Ratio Lower Upper  
119 100  
134 25.0 12.4 37.4  
91 25.6 14.8 44.3





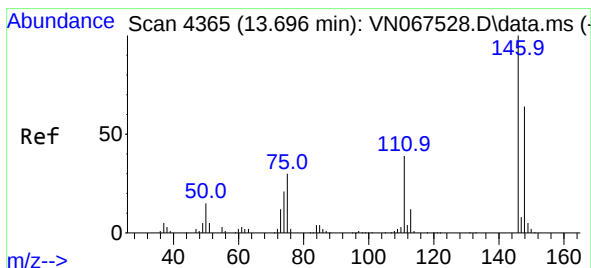
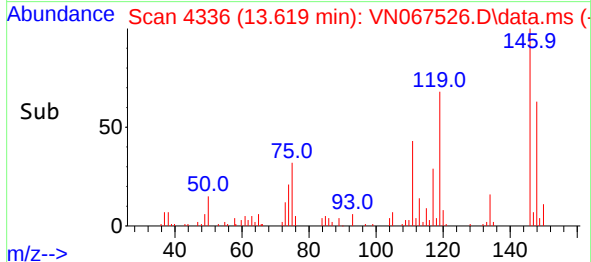
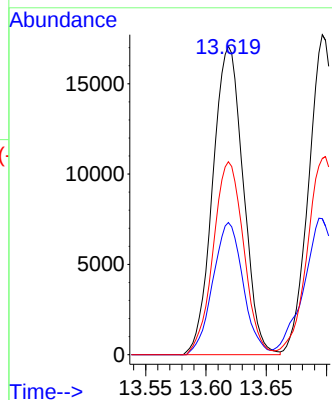
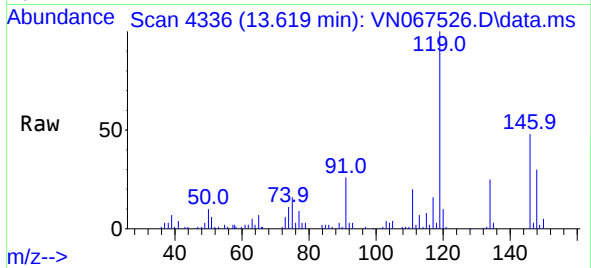
#87  
1,3-Dichlorobenzene  
Concen: 5.538 ug/l  
RT: 13.619 min Scan# 4336  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
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Tgt Ion:146 Resp: 30035  
Ion Ratio Lower Upper  
146 100  
111 42.5 24.3 72.8  
148 62.5 32.0 96.0

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

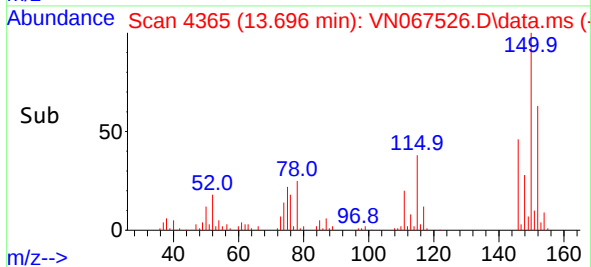
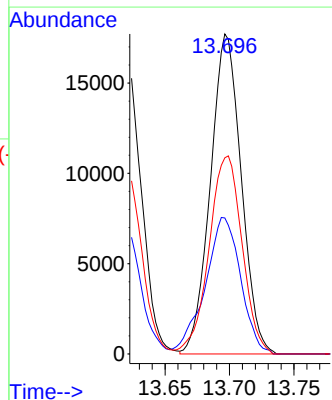
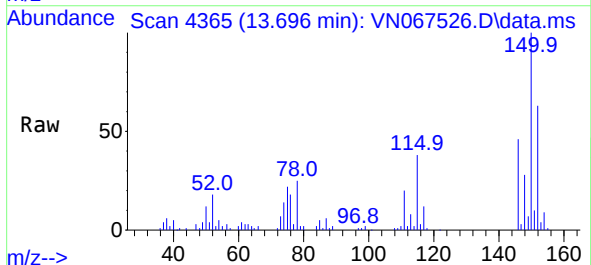
Manual Integrations  
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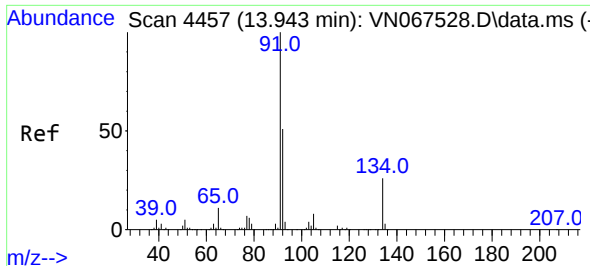
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#88  
1,4-Dichlorobenzene  
Concen: 5.462 ug/l  
RT: 13.696 min Scan# 4365  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

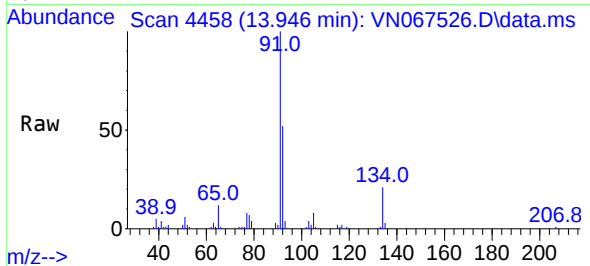
Tgt Ion:146 Resp: 29498  
Ion Ratio Lower Upper  
146 100  
111 49.2 23.4 70.2  
148 66.5 31.8 95.3





#89  
n-Butylbenzene  
Concen: 4.262 ug/l  
RT: 13.946 min Scan# 4458  
Delta R.T. 0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

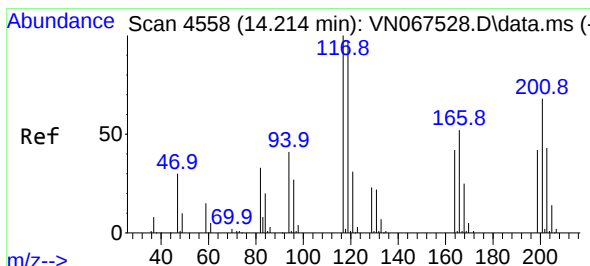
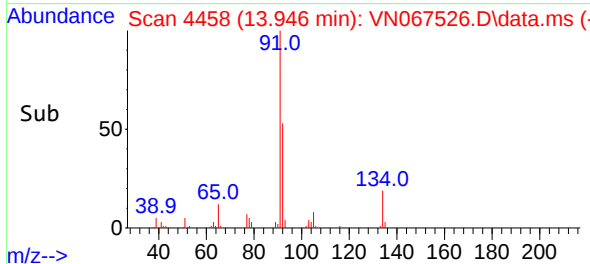
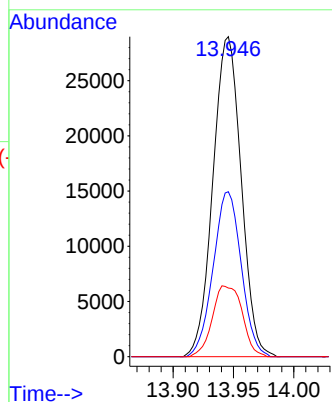
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005



Tgt Ion: 91 Resp: 47200  
Ion Ratio Lower Upper  
91 100  
92 51.3 25.7 77.1  
134 23.4 11.2 33.6

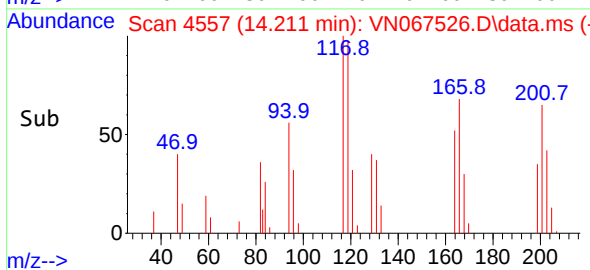
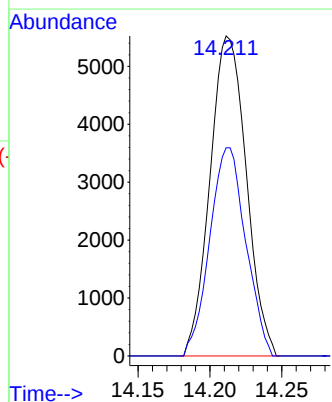
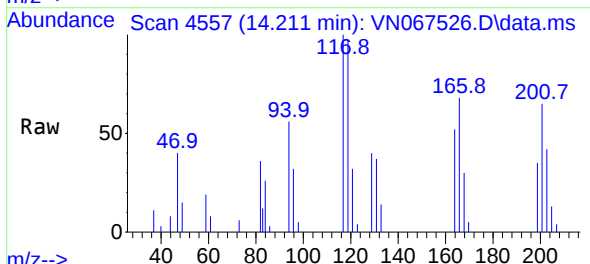
Manual Integrations  
APPROVED

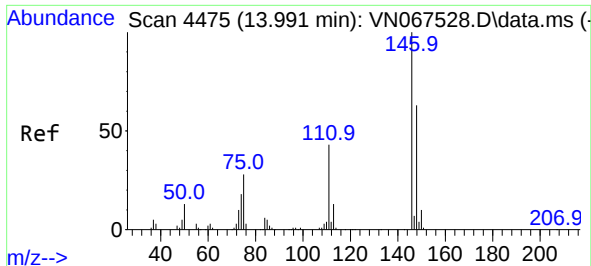
MMDadoda  
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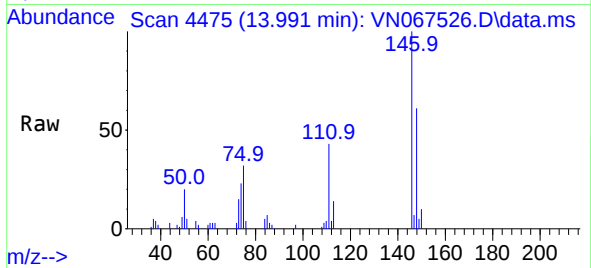
#90  
Hexachloroethane  
Concen: 4.530 ug/l  
RT: 14.211 min Scan# 4557  
Delta R.T. -0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

Tgt Ion: 117 Resp: 9702  
Ion Ratio Lower Upper  
117 100  
201 64.5 33.5 100.5

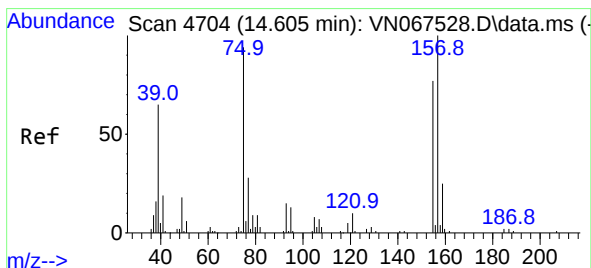
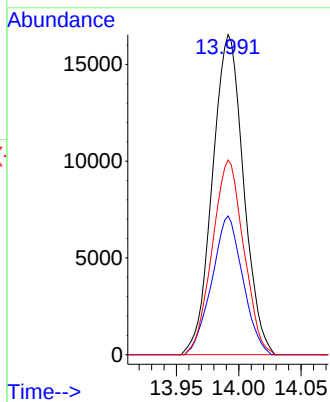
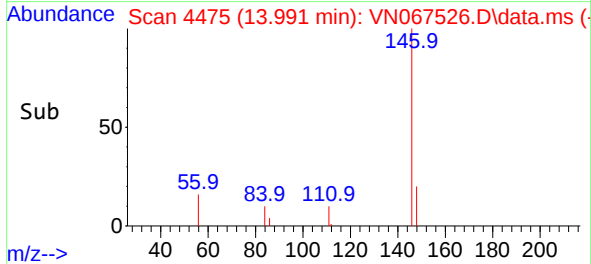




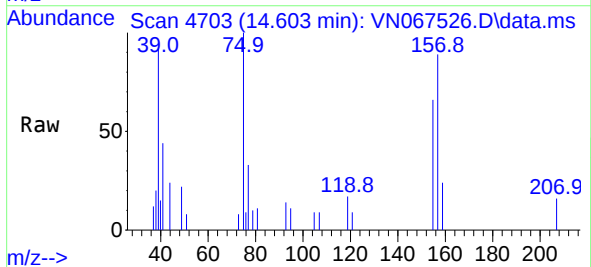
#91  
1,2-Dichlorobenzene  
Concen: 5.463 ug/l  
RT: 13.991 min Scan# 4475  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13



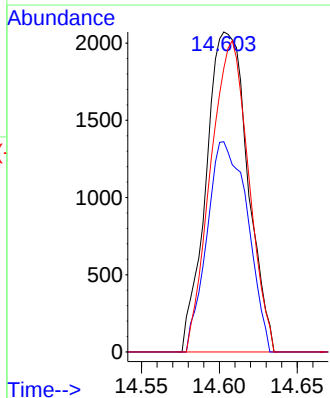
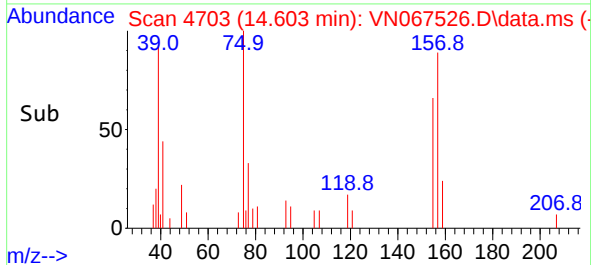
Tgt Ion:146 Resp: 28718  
Ion Ratio Lower Upper  
146 100  
111 43.2 24.9 74.6  
148 61.4 31.6 95.0



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 4.359 ug/l  
RT: 14.603 min Scan# 4703  
Delta R.T. -0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13



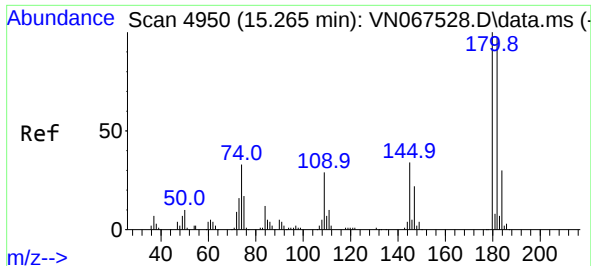
Tgt Ion: 75 Resp: 3839  
Ion Ratio Lower Upper  
75 100  
155 64.1 29.8 89.5  
157 89.3 37.6 112.8



Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

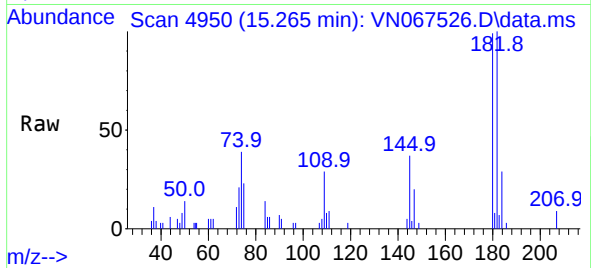
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#93  
1,2,4-Trichlorobenzene  
Concen: 4.473 ug/l  
RT: 15.265 min Scan# 4950  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

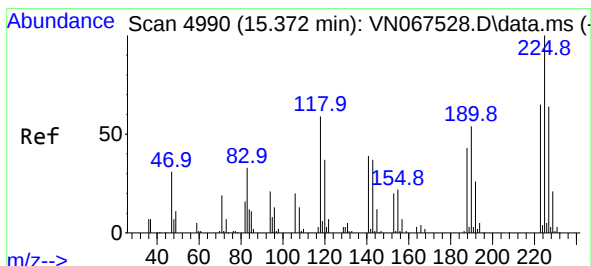
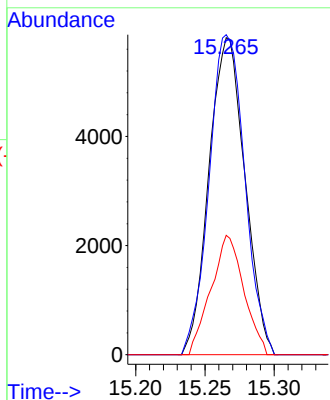
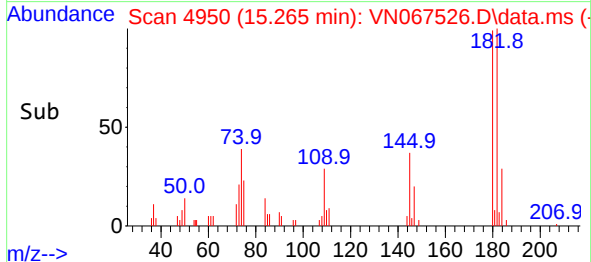
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005



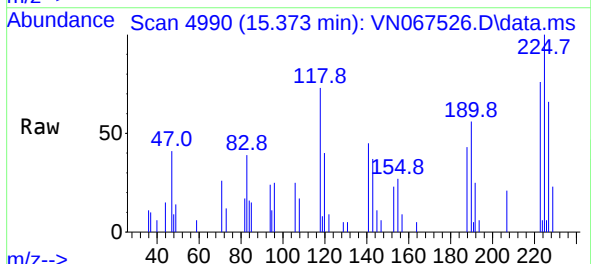
Tgt Ion:180 Resp: 10468  
Ion Ratio Lower Upper  
180 100  
182 100.3 47.5 142.5  
145 34.5 17.2 51.6

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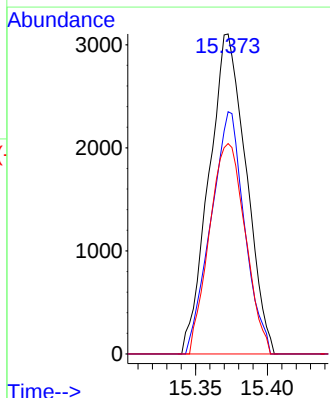
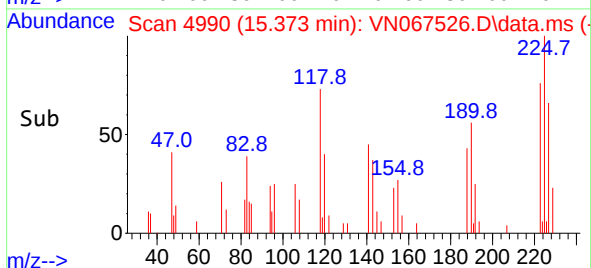
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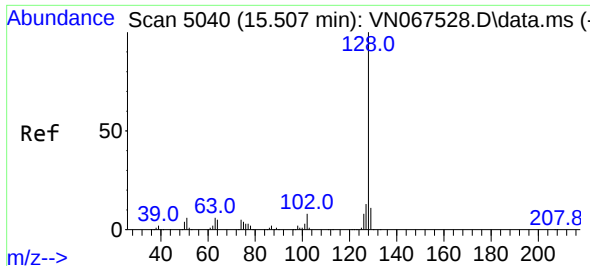


#94  
Hexachlorobutadiene  
Concen: 4.740 ug/l  
RT: 15.373 min Scan# 4990  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13



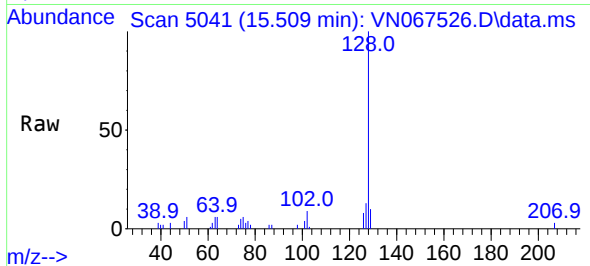
Tgt Ion:225 Resp: 5581  
Ion Ratio Lower Upper  
225 100  
223 68.5 31.4 94.0  
227 63.6 31.2 93.6





#95  
Naphthalene  
Concen: 4.101 ug/l  
RT: 15.509 min Scan# 5041  
Delta R.T. 0.003 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13

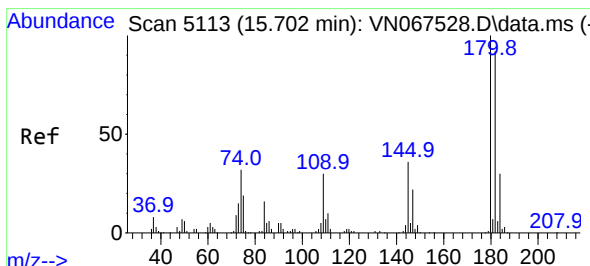
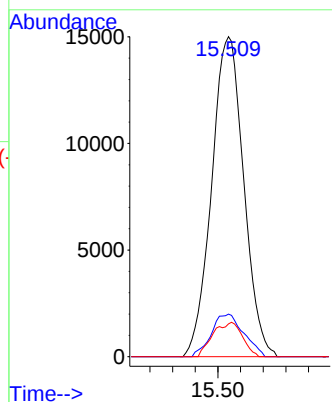
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005



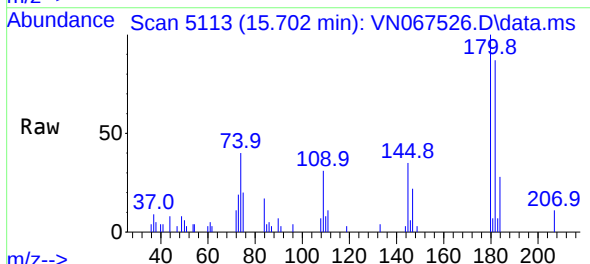
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 29453 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 13.4  | 10.6  | 15.8  |
| 129       | 9.9   | 8.6   | 12.8  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 4.730 ug/l  
RT: 15.702 min Scan# 5113  
Delta R.T. 0.000 min  
Lab File: VN067526.D  
Acq: 28 Jun 2021 12:13



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 10238 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 92.2  | 47.8  | 143.3 |
| 145       | 37.1  | 18.2  | 54.6  |

