

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052121\  
 Data File : VN067159.D  
 Acq On : 21 May 2021 15:11  
 Operator : JC/MD  
 Sample : VSTDIC020  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

Manual Integrations  
 APPROVED

MMDadoda  
 5/24/2021 3:52:45 PM

Quant Time: May 21 16:27:08 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N052121W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 21 16:23:59 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units | Dev(Min) |
|------------------------------|----------------|------|------------|---------|-------|----------|
| -----                        |                |      |            |         |       |          |
| Internal Standards           |                |      |            |         |       |          |
| 1) Pentafluorobenzene        | 7.597          | 168  | 235547     | 50.00   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene      | 8.525          | 114  | 445090     | 50.00   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 11.357         | 117  | 388717     | 50.00   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.299         | 152  | 139945     | 50.00   | ug/l  | 0.00     |
|                              |                |      |            |         |       |          |
| System Monitoring Compounds  |                |      |            |         |       |          |
| 33) 1,2-Dichloroethane-d4    | 7.962          | 65   | 64730      | 23.36   | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = | 46.72%# |       |          |
| 35) Dibromofluoromethane     | 7.519          | 113  | 48606      | 16.76   | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = | 33.52%# |       |          |
| 50) Toluene-d8               | 10.038         | 98   | 183168     | 16.65   | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = | 33.30%# |       |          |
| 62) 4-Bromofluorobenzene     | 12.357         | 95   | 58666      | 15.75   | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = | 31.50%# |       |          |
|                              |                |      |            |         |       |          |
| Target Compounds             |                |      |            |         |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.855          | 85   | 58334      | 25.08   | ug/l  | 99       |
| 3) Chloromethane             | 2.059          | 50   | 75578      | 26.04   | ug/l  | 98       |
| 4) Vinyl Chloride            | 2.182          | 62   | 66691      | 23.86   | ug/l  | 96       |
| 5) Bromomethane              | 2.536          | 94   | 38889      | 20.96   | ug/l  | 99       |
| 6) Chloroethane              | 2.678          | 64   | 37406      | 22.82   | ug/l  | 97       |
| 7) Trichlorofluoromethane    | 2.992          | 101  | 80715      | 22.81   | ug/l  | 97       |
| 8) Diethyl Ether             | 3.373          | 74   | 36667      | 24.16   | ug/l  | 80       |
| 9) 1,1,2-Trichlorotrifluo... | 3.711          | 101  | 51718      | 22.88   | ug/l  | 87       |
| 10) Methyl Iodide            | 3.901          | 142  | 71996      | 19.83   | ug/l  | 93       |
| 11) Tert butyl alcohol       | 4.719          | 59   | 63987      | 130.94  | ug/l  | # 84     |
| 12) 1,1-Dichloroethene       | 3.692          | 96   | 51537      | 21.99   | ug/l  | 85       |
| 13) Acrolein                 | 3.563          | 56   | 55761      | 218.03  | ug/l  | 96       |
| 14) Allyl chloride           | 4.263          | 41   | 113239     | 29.11   | ug/l  | # 92     |
| 15) Acrylonitrile            | 4.912          | 53   | 145779     | 136.69  | ug/l  | 99       |
| 16) Acetone                  | 3.770          | 43   | 132876     | 145.91  | ug/l  | 97       |
| 17) Carbon Disulfide         | 4.000          | 76   | 160811     | 24.84   | ug/l  | 100      |
| 18) Methyl Acetate           | 4.271          | 43   | 75115      | 28.16   | ug/l  | # 89     |
| 19) Methyl tert-butyl Ether  | 4.971          | 73   | 174346     | 24.25   | ug/l  | 94       |
| 20) Methylene Chloride       | 4.483          | 84   | 63086      | 21.02   | ug/l  | # 87     |
| 21) trans-1,2-Dichloroethene | 4.966          | 96   | 58090      | 23.27   | ug/l  | 93       |
| 22) Diisopropyl ether        | 5.875          | 45   | 197696     | 27.91   | ug/l  | # 90     |
| 23) Vinyl Acetate            | 5.819          | 43   | 924709     | 147.00  | ug/l  | # 92     |
| 24) 1,1-Dichloroethane       | 5.771          | 63   | 114577     | 24.86   | ug/l  | 97       |
| 25) 2-Butanone               | 6.758          | 43   | 217624     | 151.19  | ug/l  | # 88     |
| 26) 2,2-Dichloropropane      | 6.744          | 77   | 96676      | 23.18   | ug/l  | 97       |
| 27) cis-1,2-Dichloroethene   | 6.749          | 96   | 65570      | 22.01   | ug/l  | 87       |
| 28) Bromochloromethane       | 7.120          | 49   | 56645      | 28.65   | ug/l  | # 69     |
| 29) Tetrahydrofuran          | 7.136          | 42   | 143209     | 159.64  | ug/l  | # 82     |
| 30) Chloroform               | 7.299          | 83   | 110641     | 23.80   | ug/l  | 99       |
| 31) Cyclohexane              | 7.586          | 56   | 101879     | 25.92   | ug/l  | 88       |
| 32) 1,1,1-Trichloroethane    | 7.498          | 97   | 96372      | 23.16   | ug/l  | 95       |
| 36) 1,1-Dichloropropene      | 7.723          | 75   | 81503      | 19.72   | ug/l  | 96       |
| 37) Ethyl Acetate            | 6.851          | 43   | 92093      | 23.70   | ug/l  | 96       |
| 38) Carbon Tetrachloride     | 7.704          | 117  | 80596      | 18.62   | ug/l  | 97       |
| 39) Methylcyclohexane        | 9.021          | 83   | 93457      | 19.39   | ug/l  | 89       |
| 40) Benzene                  | 7.975          | 78   | 253157     | 20.11   | ug/l  | 99       |

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

Manual Integrations  
 APPROVED

MMDadoda  
 5/24/2021 3:52:45 PM

Quant Time: May 21 16:27:08 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N052121W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 21 16:23:59 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.109  | 41   | 43311m   | 27.13  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.058  | 62   | 87159    | 21.33  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.101  | 43   | 156734   | 24.48  | ug/l # | 86       |
| 44) Trichloroethene           | 8.777  | 130  | 57776    | 16.83  | ug/l   | 85       |
| 45) 1,2-Dichloropropane       | 9.059  | 63   | 68575    | 20.69  | ug/l   | 99       |
| 46) Dibromomethane            | 9.153  | 93   | 41317    | 18.89  | ug/l # | 82       |
| 47) Bromodichloromethane      | 9.346  | 83   | 88825    | 19.59  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.142  | 41   | 69622    | 25.48  | ug/l # | 84       |
| 49) 1,4-Dioxane               | 9.144  | 88   | 15792    | 359.55 | ug/l # | 77       |
| 51) 4-Methyl-2-Pentanone      | 9.930  | 43   | 447557   | 125.71 | ug/l   | 91       |
| 52) Toluene                   | 10.102 | 92   | 151288   | 18.78  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.330 | 75   | 92819    | 19.21  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.785  | 75   | 104791   | 19.38  | ug/l # | 86       |
| 55) 1,1,2-Trichloroethane     | 10.510 | 97   | 59873    | 18.75  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.381 | 69   | 88116    | 19.91  | ug/l # | 84       |
| 57) 1,3-Dichloropropane       | 10.654 | 76   | 101790   | 19.76  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.641  | 63   | 56980    | 89.41  | ug/l   | 92       |
| 59) 2-Hexanone                | 10.703 | 43   | 254361   | 111.66 | ug/l   | 92       |
| 60) Dibromochloromethane      | 10.850 | 129  | 61666    | 16.83  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 10.955 | 107  | 58324    | 17.92  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.579 | 164  | 49613    | 15.13  | ug/l   | 93       |
| 65) Chlorobenzene             | 11.384 | 112  | 143430   | 16.78  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.459 | 131  | 54907    | 16.33  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.462 | 91   | 272248   | 18.50  | ug/l   | 95       |
| 68) m/p-Xylenes               | 11.574 | 106  | 198250   | 35.42  | ug/l   | 89       |
| 69) o-Xylene                  | 11.902 | 106  | 97325    | 17.23  | ug/l   | 90       |
| 70) Styrene                   | 11.920 | 104  | 149603   | 17.00  | ug/l   | 94       |
| 71) Bromoform                 | 12.081 | 173  | 38385    | 15.00  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.202 | 105  | 257472   | 21.45  | ug/l   | 96       |
| 74) N-amyl acetate            | 12.071 | 43   | 3275     | 1.49   | ug/l # | 87       |
| 75) 1,1,2,2-Tetrachloroethane | 12.457 | 83   | 86963    | 23.27  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.508 | 75   | 71661m   | 22.94  | ug/l   |          |
| 77) Bromobenzene              | 12.481 | 156  | 52692    | 18.19  | ug/l   | 71       |
| 78) n-propylbenzene           | 12.545 | 91   | 283467   | 22.95  | ug/l   | 92       |
| 79) 2-Chlorotoluene           | 12.628 | 91   | 181867   | 22.31  | ug/l   | 91       |
| 80) 1,3,5-Trimethylbenzene    | 12.687 | 105  | 209046   | 20.89  | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-b... | 12.264 | 75   | 16998    | 18.90  | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 12.728 | 91   | 164889   | 23.08  | ug/l   | 91       |
| 83) tert-Butylbenzene         | 12.948 | 119  | 175789   | 18.81  | ug/l   | 90       |
| 84) 1,2,4-Trimethylbenzene    | 12.996 | 105  | 191420   | 20.77  | ug/l   | 93       |
| 85) sec-Butylbenzene          | 13.125 | 105  | 240887   | 21.33  | ug/l   | 94       |
| 86) p-Isopropyltoluene        | 13.245 | 119  | 185533   | 19.19  | ug/l   | 94       |
| 87) 1,3-Dichlorobenzene       | 13.240 | 146  | 85640    | 18.24  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.318 | 146  | 86095    | 17.62  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.575 | 91   | 143218   | 19.12  | ug/l   | 95       |
| 90) Hexachloroethane          | 13.827 | 117  | 36587    | 20.55  | ug/l   | 71       |
| 91) 1,2-Dichlorobenzene       | 13.610 | 146  | 85274    | 17.54  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.235 | 75   | 15184    | 26.75  | ug/l   | 53       |
| 93) 1,2,4-Trichlorobenzene    | 14.873 | 180  | 36159    | 14.95  | ug/l   | 94       |
| 94) Hexachlorobutadiene       | 14.962 | 225  | 21905    | 13.43  | ug/l   | 100      |
| 95) Naphthalene               | 15.093 | 128  | 97487    | 18.65  | ug/l   | 96       |
| 96) 1,2,3-Trichlorobenzene    | 15.267 | 180  | 36899    | 16.43  | ug/l   | 93       |

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Sample : VSTDICC020  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

Manual Integrations  
APPROVED

MMDadoda  
5/24/2021 3:52:45 PM

Quant Time: May 21 16:27:08 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N052121W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 21 16:23:59 2021  
Response via : Initial Calibration

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

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

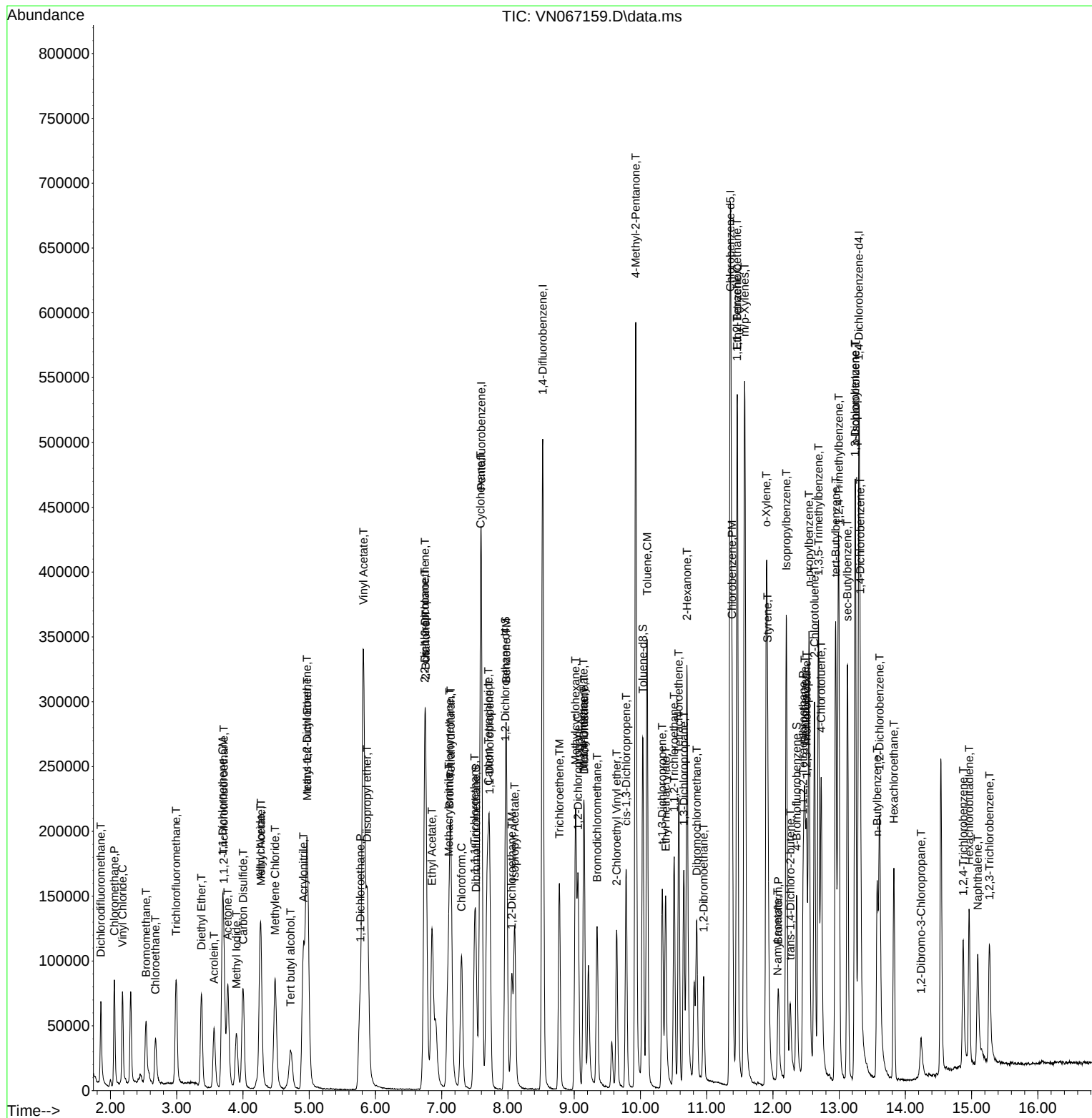
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Data File : VN067159.D  
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Misc : 5.00mL/MSVOA\_N/WATER  
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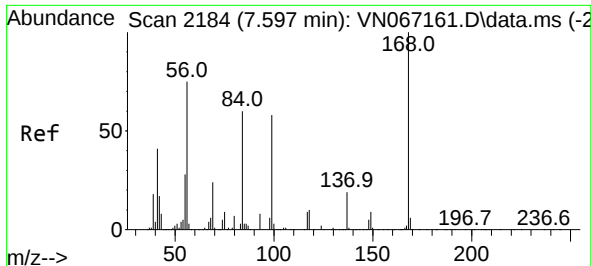
Instrument :  
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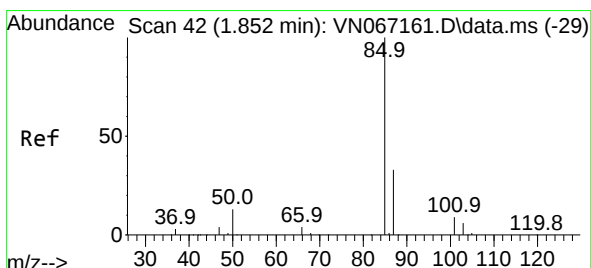
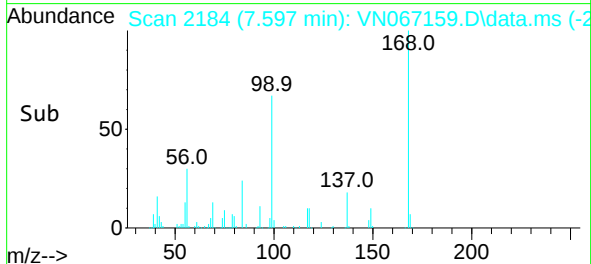
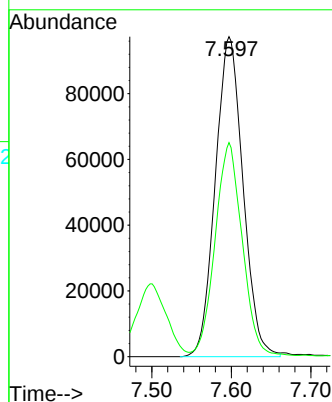
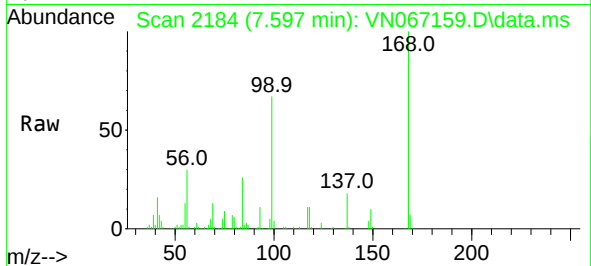
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Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.597 min Scan# 2184  
Delta R.T. 0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 168 Resp: 235547  
Ion Ratio Lower Upper  
168 100  
99 66.1 38.5 57.7#

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

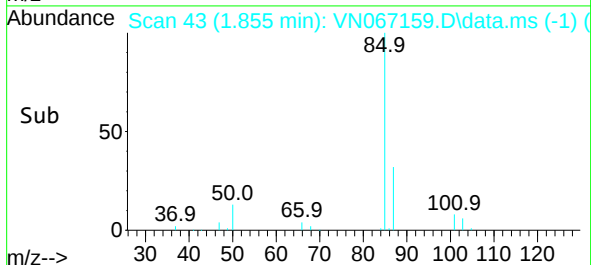
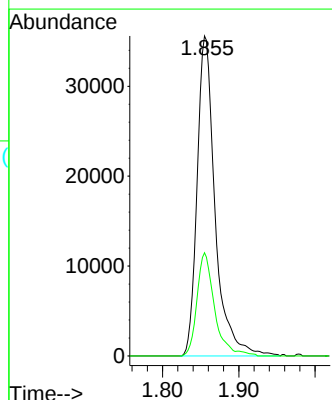
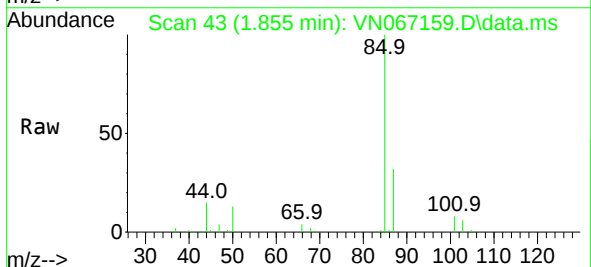
Manual Integrations  
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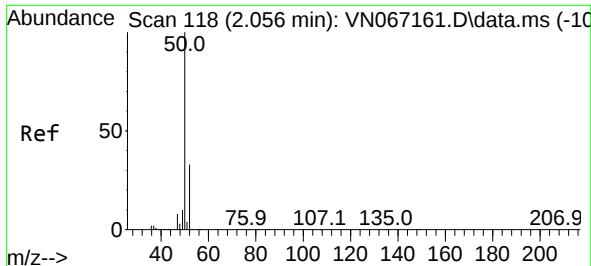
MMDadoda  
5/24/2021 3:52:45 PM



#2  
Dichlorodifluoromethane  
Concen: 25.08 ug/l  
RT: 1.855 min Scan# 43  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

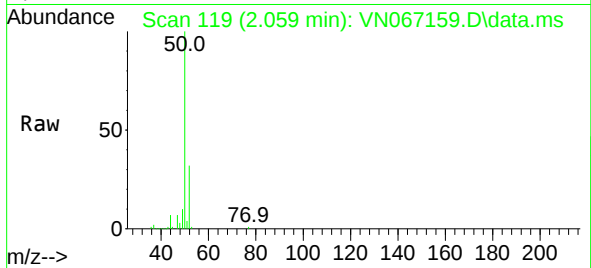
Tgt Ion: 85 Resp: 58334  
Ion Ratio Lower Upper  
85 100  
87 32.2 15.8 47.4





#3  
Chloromethane  
Concen: 26.04 ug/l  
RT: 2.059 min Scan# 119  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

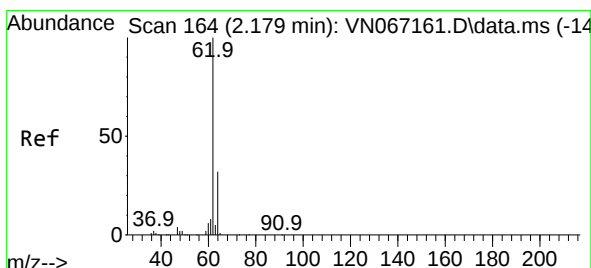
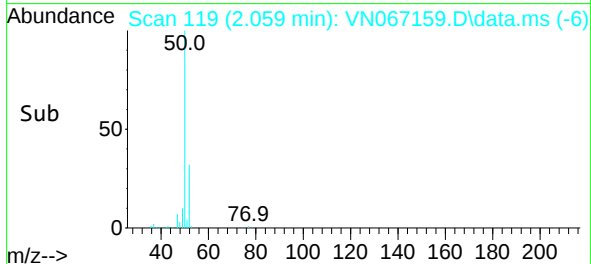
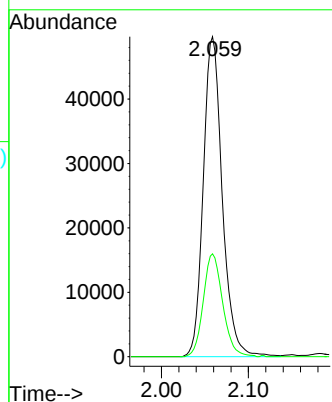
Instrument :  
MSVOA\_N  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 50      | 100   |       |       |
| 52      | 32.1  | 26.5  | 39.7  |

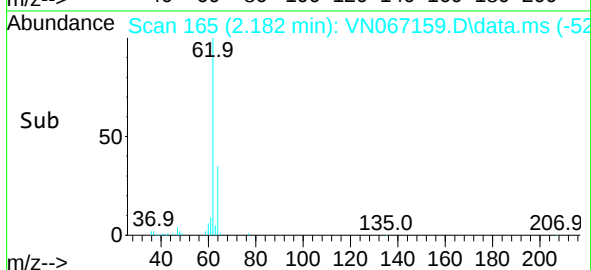
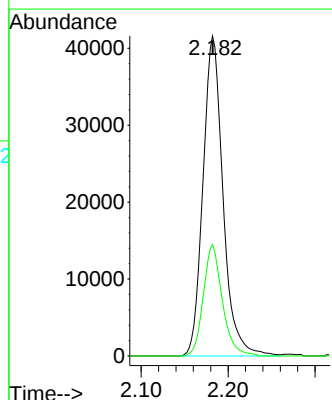
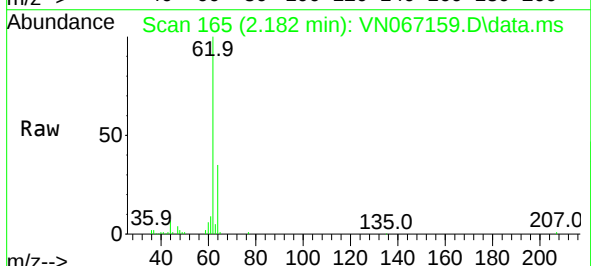
Manual Integrations  
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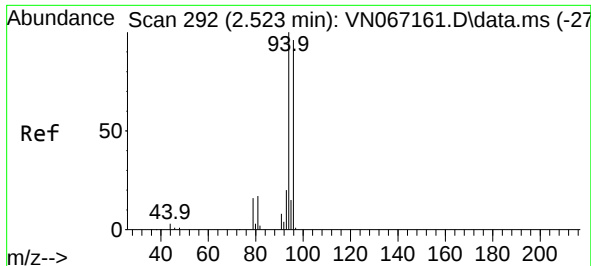
MMDadoda  
5/24/2021 3:52:45 PM



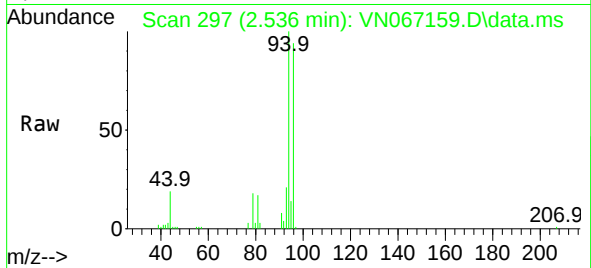
#4  
Vinyl Chloride  
Concen: 23.86 ug/l  
RT: 2.182 min Scan# 165  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 64      | 34.8  | 25.9  | 38.9  |

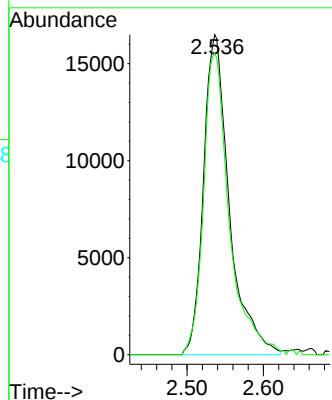




#5  
Bromomethane  
Concen: 20.96 ug/l  
RT: 2.536 min Scan# 297  
Delta R.T. 0.013 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11



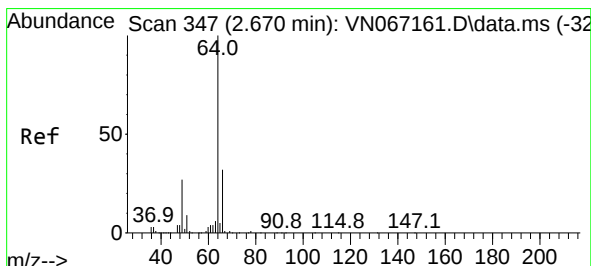
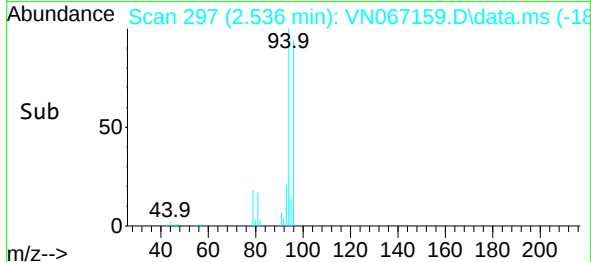
Tgt Ion: 94 Resp: 38889  
Ion Ratio Lower Upper  
94 100  
96 94.2 74.4 111.6



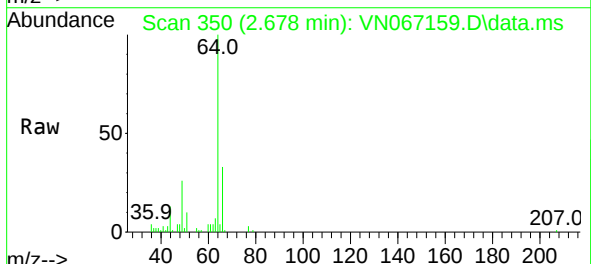
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

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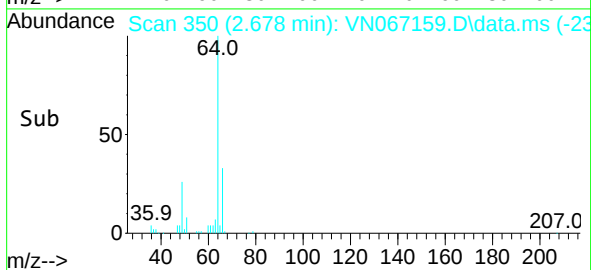
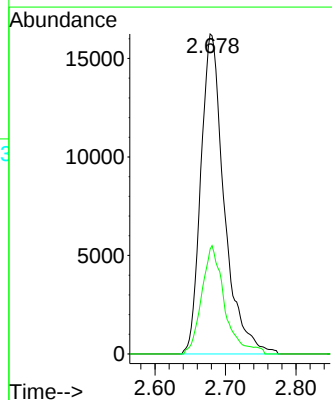
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5/24/2021 3:52:45 PM

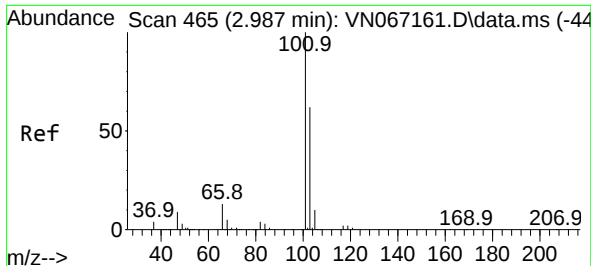


#6  
Chloroethane  
Concen: 22.82 ug/l  
RT: 2.678 min Scan# 350  
Delta R.T. 0.008 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

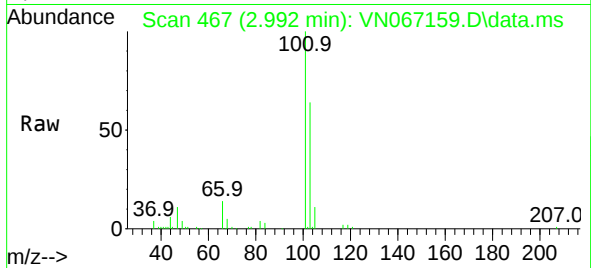


Tgt Ion: 64 Resp: 37406  
Ion Ratio Lower Upper  
64 100  
66 32.8 25.0 37.6

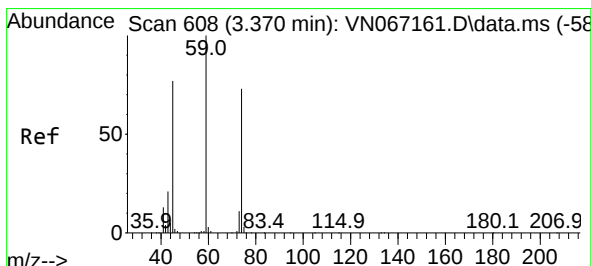
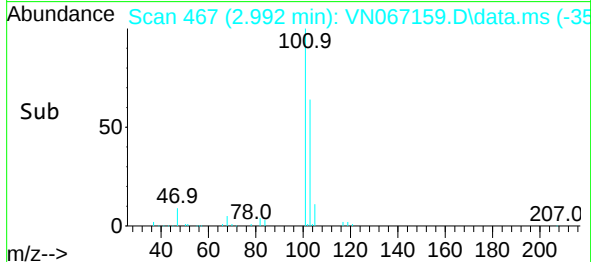
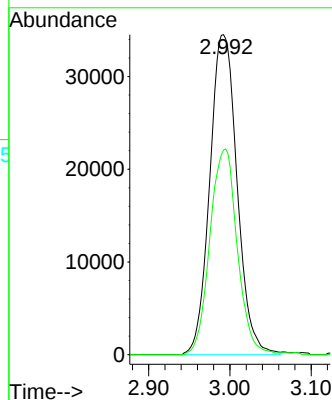




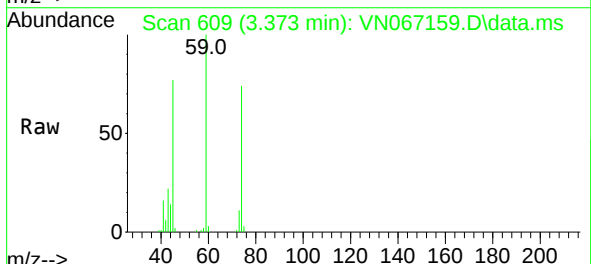
#7  
Trichlorofluoromethane  
Concen: 22.81 ug/l  
RT: 2.992 min Scan# 467  
Delta R.T. 0.005 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11



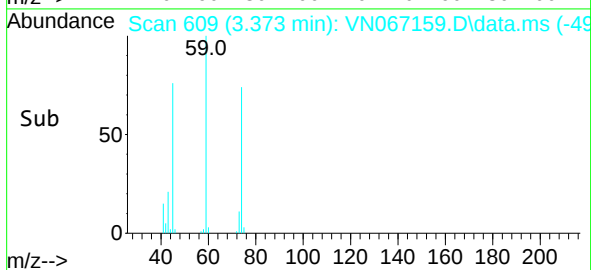
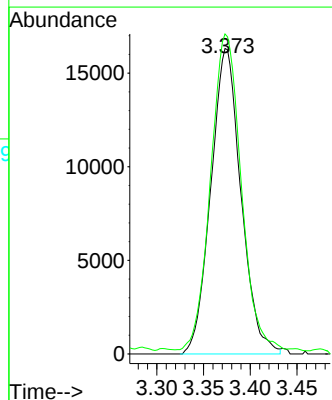
Tgt Ion:101 Resp: 80715  
Ion Ratio Lower Upper  
101 100  
103 64.0 53.2 79.8



#8  
Diethyl Ether  
Concen: 24.16 ug/l  
RT: 3.373 min Scan# 609  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11



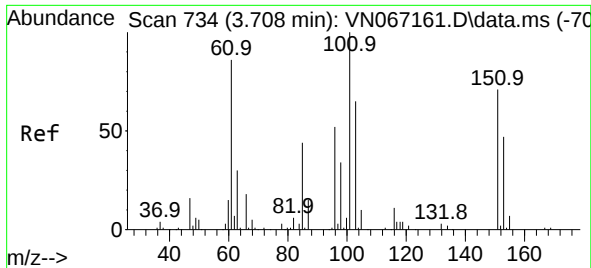
Tgt Ion: 74 Resp: 36667  
Ion Ratio Lower Upper  
74 100  
45 103.5 42.7 128.1



Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

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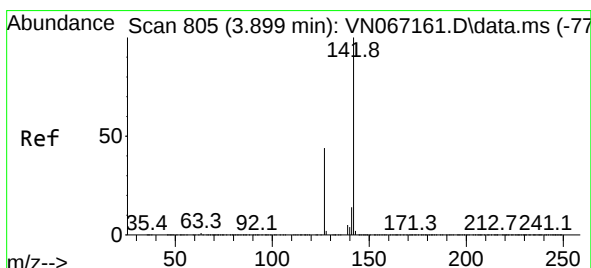
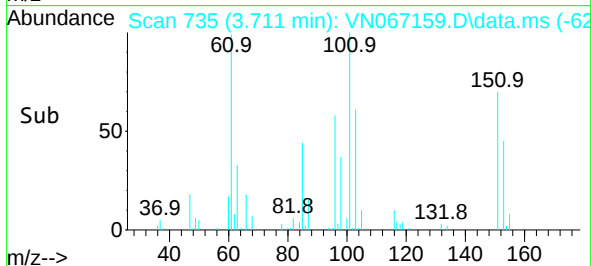
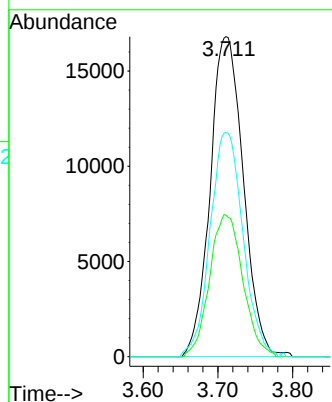
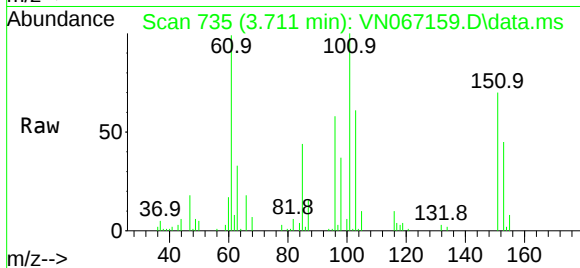
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 22.88 ug/l  
RT: 3.711 min Scan# 735  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 101   | Resp: | 51718 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.5  | 32.6  | 49.0  |
| 151       | 69.6  | 68.2  | 102.2 |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

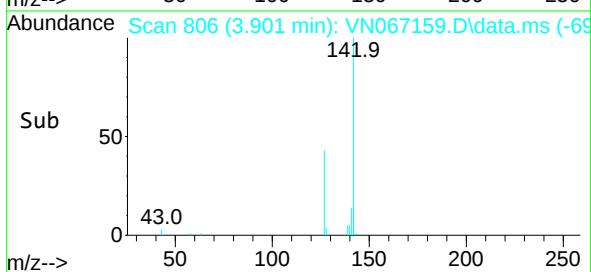
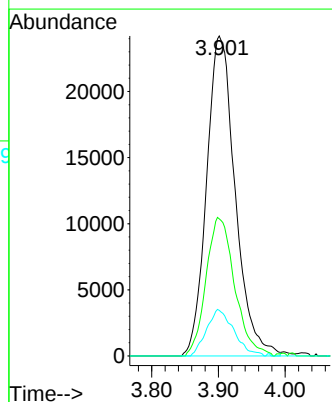
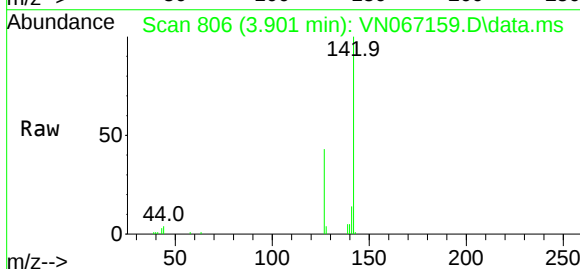
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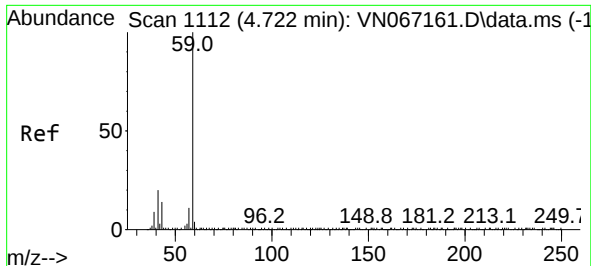
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#10  
Methyl Iodide  
Concen: 19.83 ug/l  
RT: 3.901 min Scan# 806  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 71996 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 43.4  | 29.9  | 44.9  |
| 141       | 13.9  | 11.3  | 16.9  |





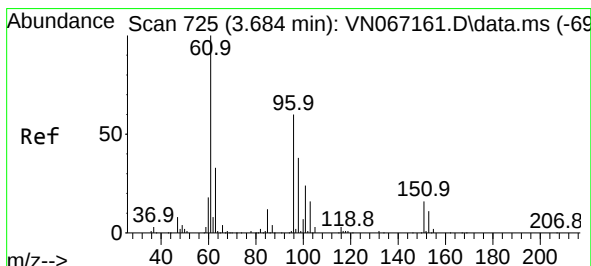
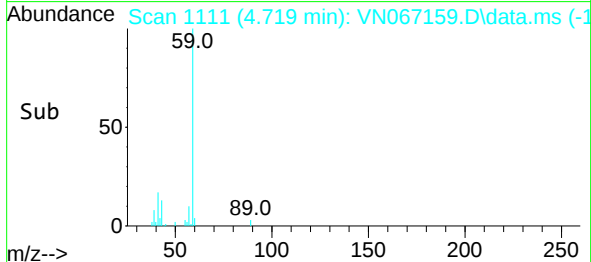
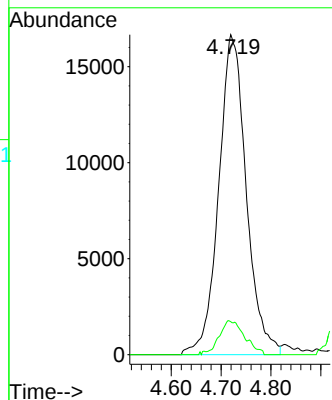
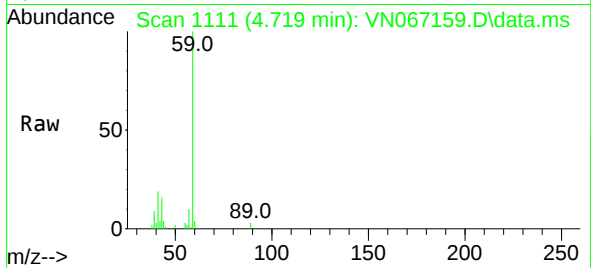
#11  
Tert butyl alcohol  
Concen: 130.94 ug/l  
RT: 4.719 min Scan# 1111  
Delta R.T. -0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 59 Resp: 63987  
Ion Ratio Lower Upper  
59 100  
57 9.7 3.5 5.3#

Instrument :  
MSVOA\_N  
ClientSampleId :  
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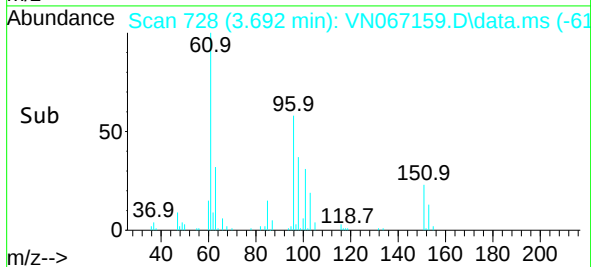
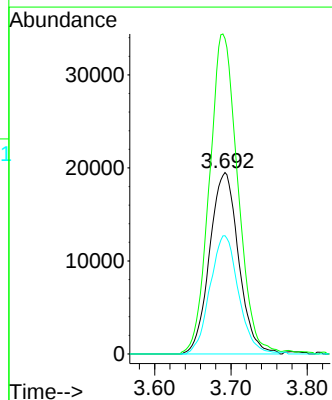
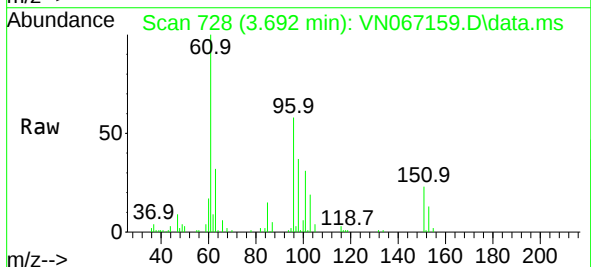
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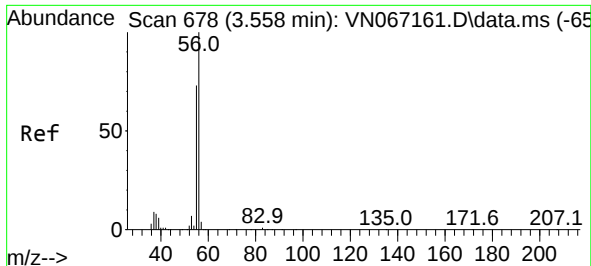
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#12  
1,1-Dichloroethene  
Concen: 21.99 ug/l  
RT: 3.692 min Scan# 728  
Delta R.T. 0.008 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

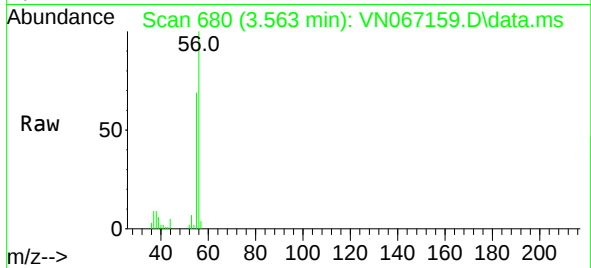
Tgt Ion: 96 Resp: 51537  
Ion Ratio Lower Upper  
96 100  
61 173.8 118.1 177.1  
98 65.1 51.1 76.7





#13  
Acrolein  
Concen: 218.03 ug/l  
RT: 3.563 min Scan# 680  
Delta R.T. 0.005 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

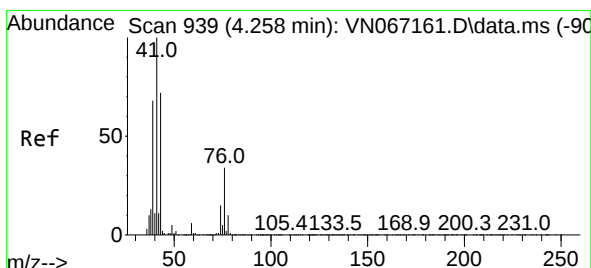
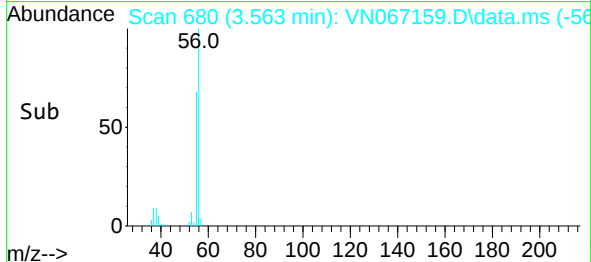
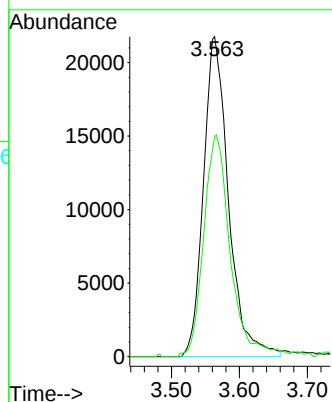
Instrument :  
MSVOA\_N  
ClientSampleId :  
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Tgt Ion: 56 Resp: 55761  
Ion Ratio Lower Upper  
56 100  
55 70.1 53.8 80.6

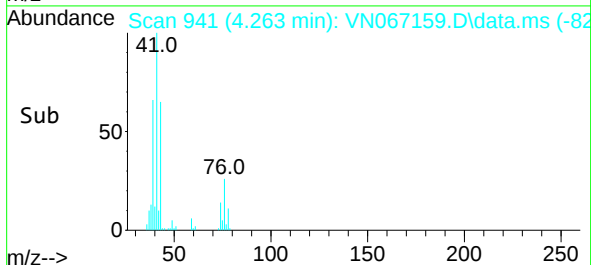
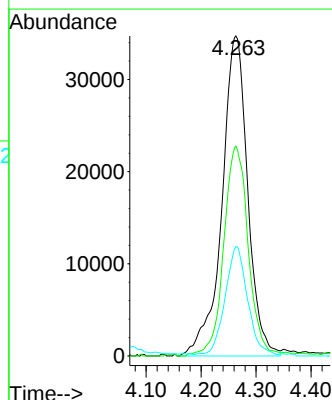
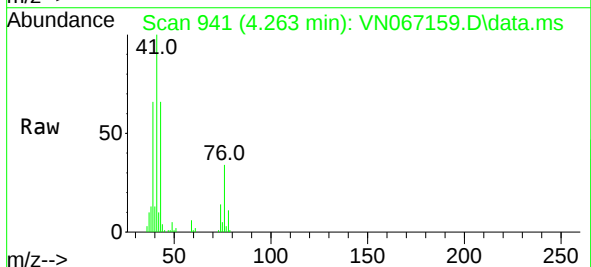
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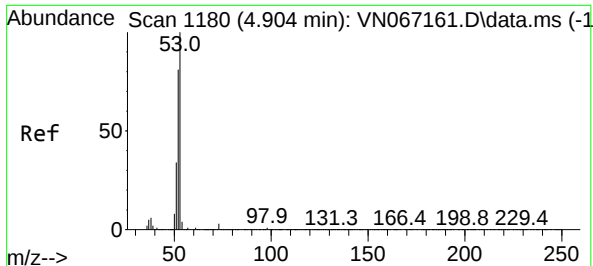
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#14  
Allyl chloride  
Concen: 29.11 ug/l  
RT: 4.263 min Scan# 941  
Delta R.T. 0.005 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 41 Resp: 113239  
Ion Ratio Lower Upper  
41 100  
39 62.6 48.7 73.1  
76 28.8 31.4 47.2#





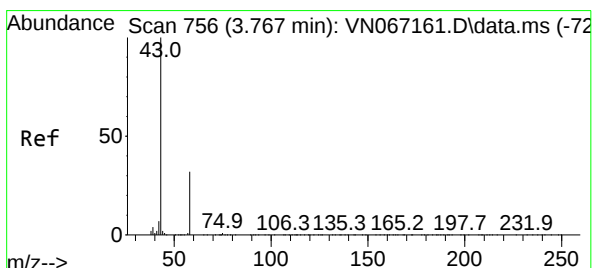
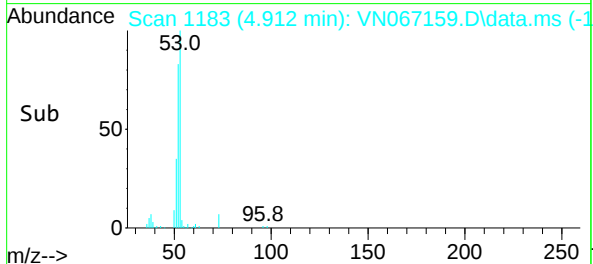
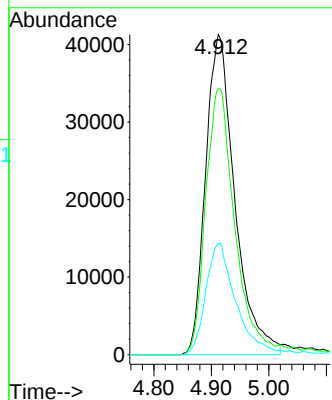
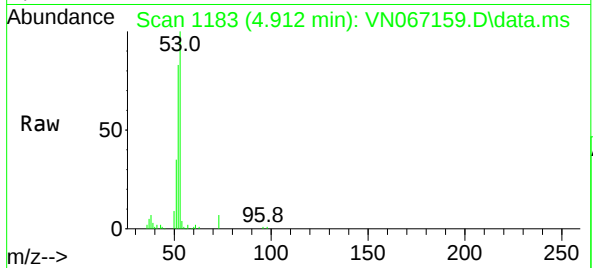
#15  
Acrylonitrile  
Concen: 136.69 ug/l  
RT: 4.912 min Scan# 1183  
Delta R.T. 0.008 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 53 Resp: 145779  
Ion Ratio Lower Upper  
53 100  
52 82.2 66.6 100.0  
51 35.4 28.6 42.8

Instrument :  
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ClientSampleId :  
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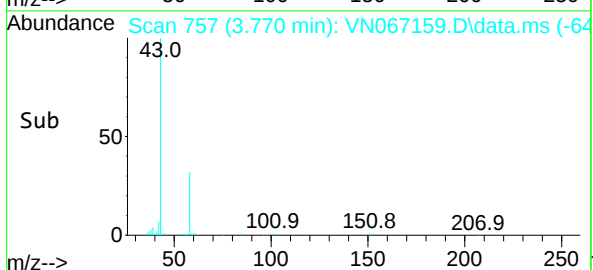
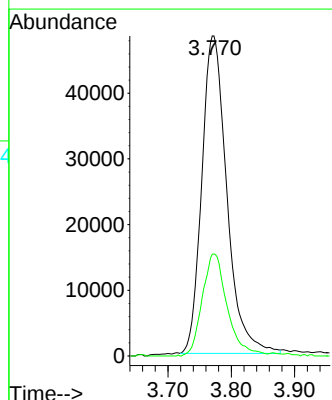
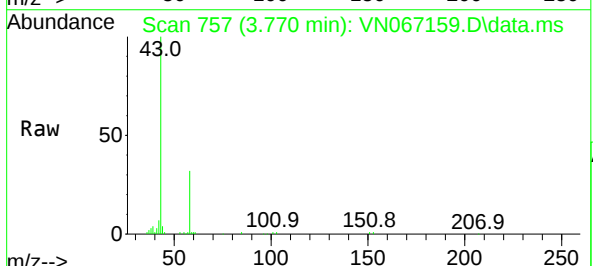
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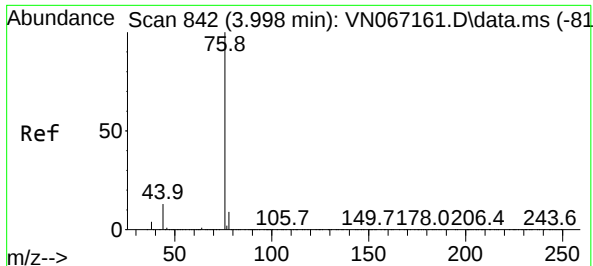
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#16  
Acetone  
Concen: 145.91 ug/l  
RT: 3.770 min Scan# 757  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 43 Resp: 132876  
Ion Ratio Lower Upper  
43 100  
58 32.0 27.2 40.8





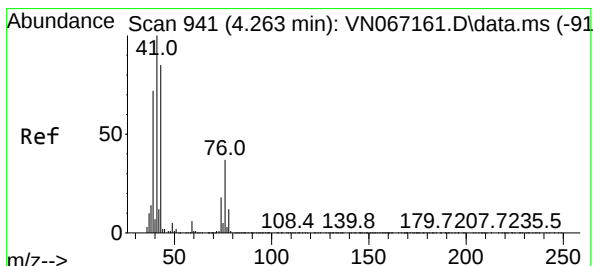
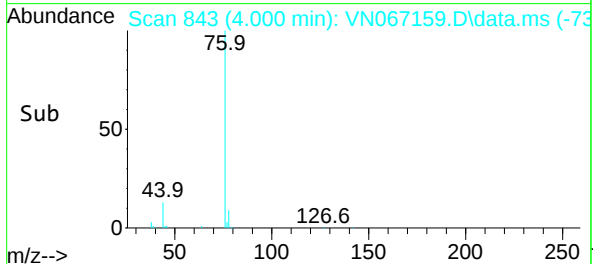
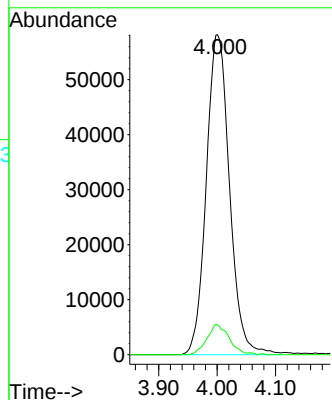
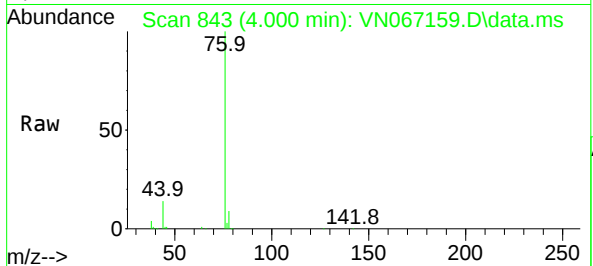
#17  
Carbon Disulfide  
Concen: 24.84 ug/l  
RT: 4.000 min Scan# 843  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 76 Resp: 160811  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.5 11.3

Instrument :  
MSVOA\_N  
ClientSampleId :  
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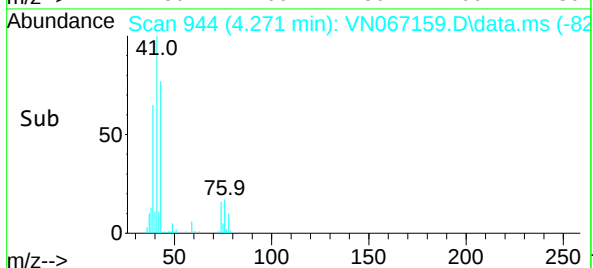
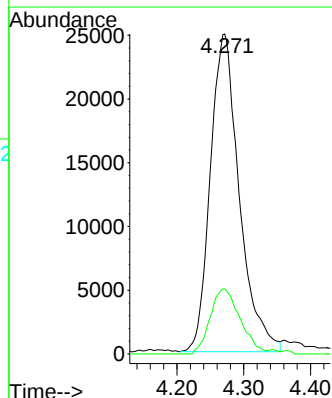
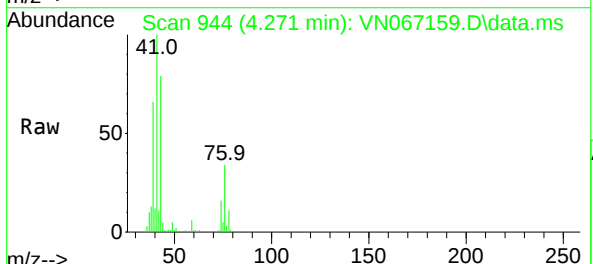
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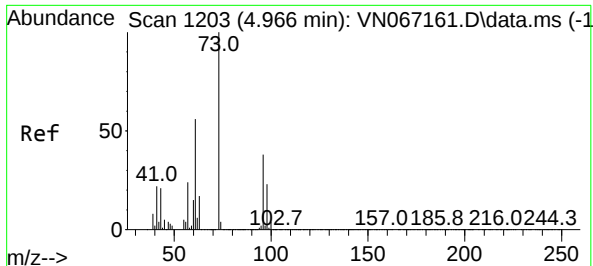
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#18  
Methyl Acetate  
Concen: 28.16 ug/l  
RT: 4.271 min Scan# 944  
Delta R.T. 0.008 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 43 Resp: 75115  
Ion Ratio Lower Upper  
43 100  
74 21.2 21.4 32.2#





#19

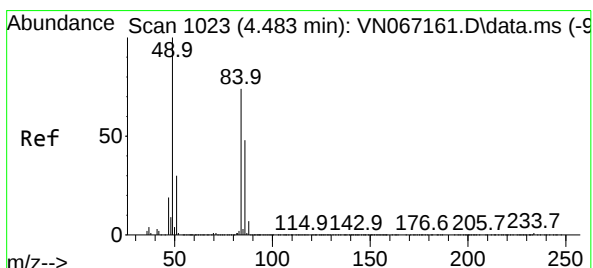
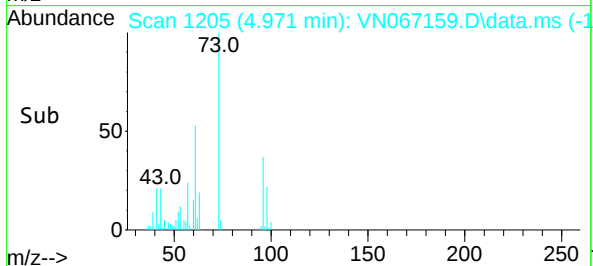
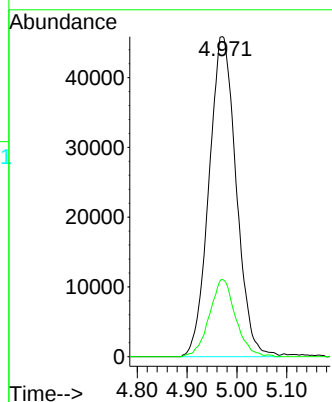
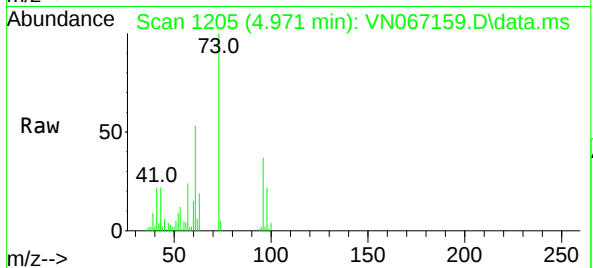
Methyl tert-butyl Ether  
Concen: 24.25 ug/l  
RT: 4.971 min Scan# 1205  
Delta R.T. 0.005 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 73 Resp: 174346  
Ion Ratio Lower Upper  
73 100  
57 24.1 16.9 25.3

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

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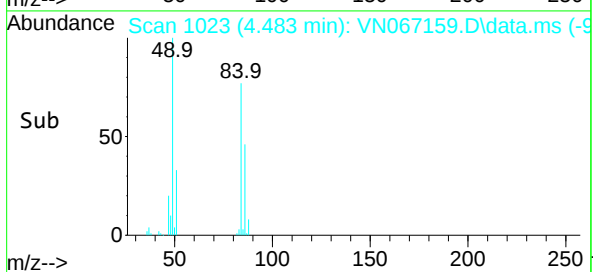
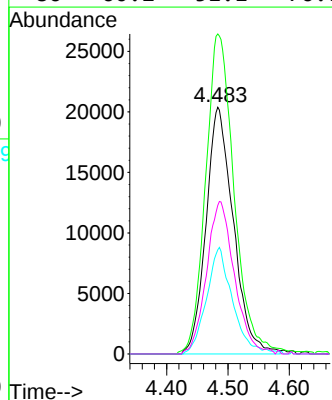
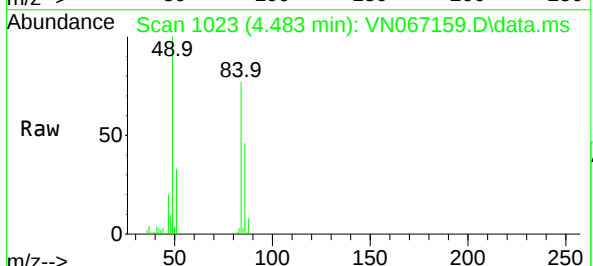
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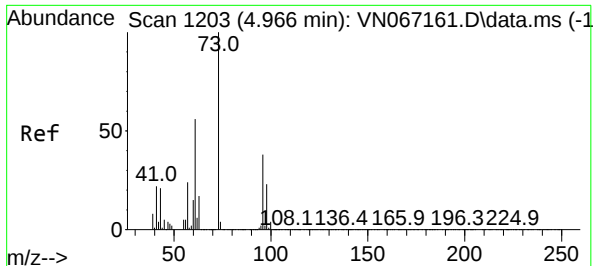


#20

Methylene Chloride  
Concen: 21.02 ug/l  
RT: 4.483 min Scan# 1023  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 84 Resp: 63086  
Ion Ratio Lower Upper  
84 100  
49 128.7 88.3 132.5  
51 42.2 26.7 40.1#  
86 60.2 51.1 76.7





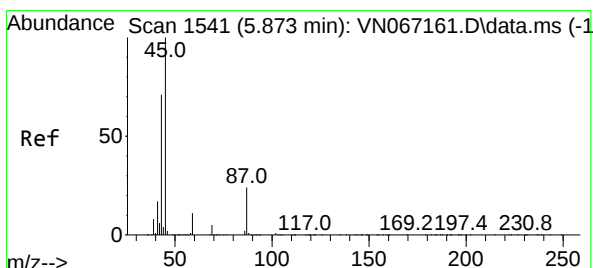
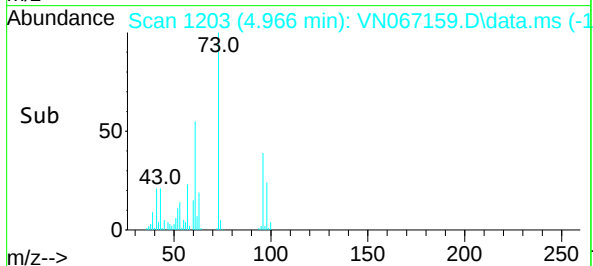
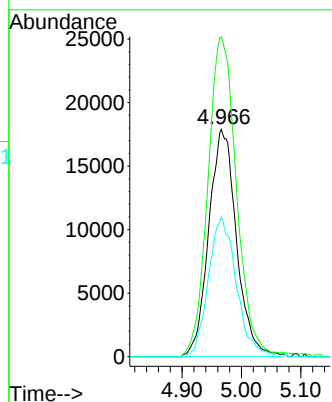
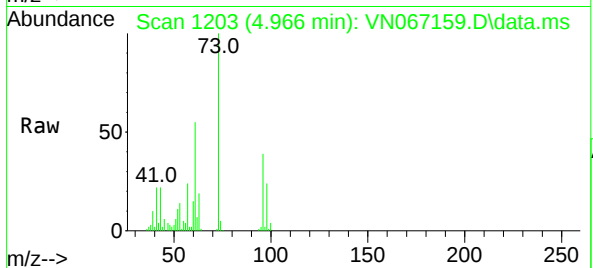
#21  
trans-1,2-Dichloroethene  
Concen: 23.27 ug/l  
RT: 4.966 min Scan# 1203  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 96 Resp: 58090  
Ion Ratio Lower Upper  
96 100  
61 140.7 103.8 155.6  
98 61.2 49.8 74.8

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

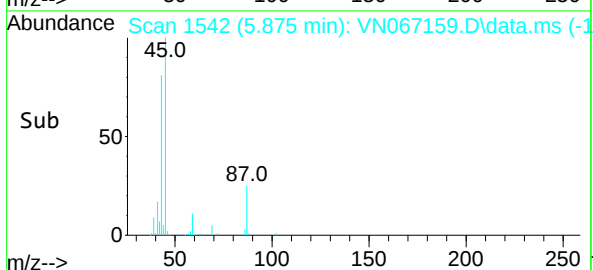
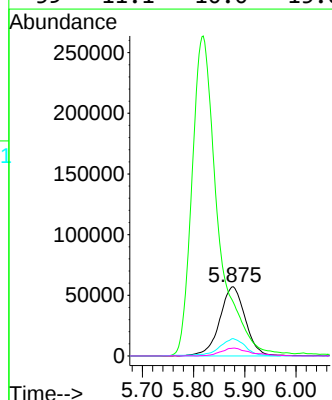
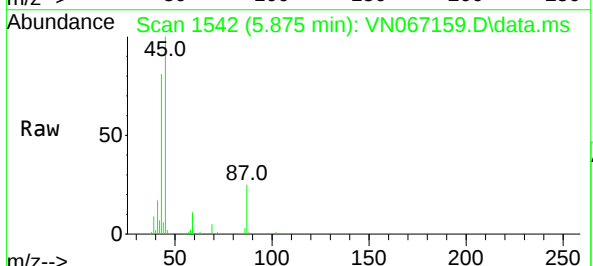
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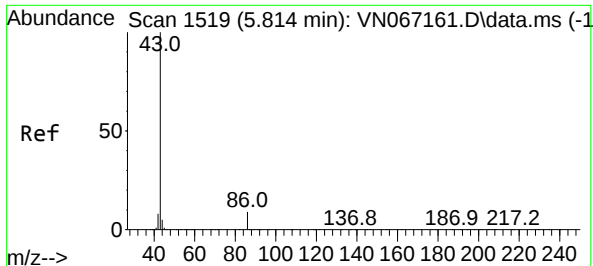
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#22  
Diisopropyl ether  
Concen: 27.91 ug/l  
RT: 5.875 min Scan# 1542  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 45 Resp: 197696  
Ion Ratio Lower Upper  
45 100  
43 76.2 55.6 83.4  
87 24.7 26.5 39.7#  
59 11.1 10.0 15.0





#23

Vinyl Acetate

Concen: 147.00 ug/l

RT: 5.819 min Scan# 1521

Delta R.T. 0.005 min

Lab File: VN067159.D

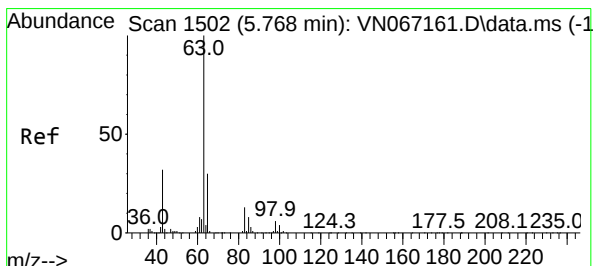
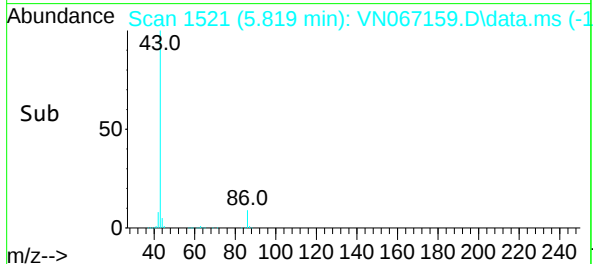
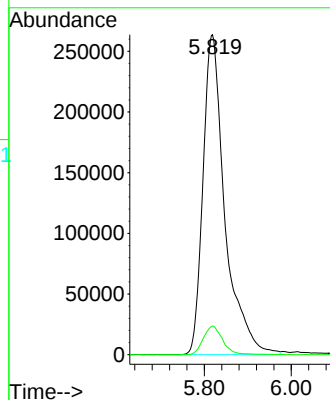
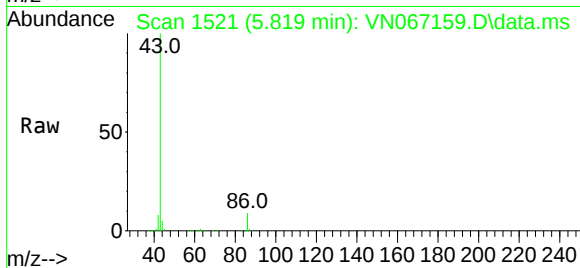
Acq: 21 May 2021 15:11

Tgt Ion: 43 Resp: 924709

Ion Ratio Lower Upper

43 100

86 8.9 9.5 14.3#



#24

1,1-Dichloroethane

Concen: 24.86 ug/l

RT: 5.771 min Scan# 1503

Delta R.T. 0.003 min

Lab File: VN067159.D

Acq: 21 May 2021 15:11

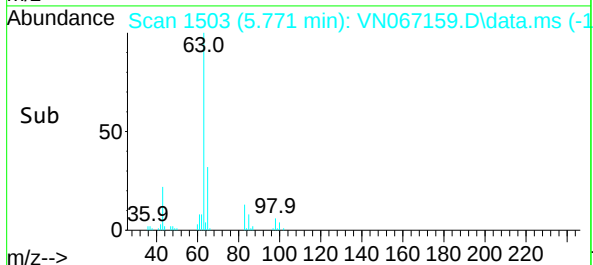
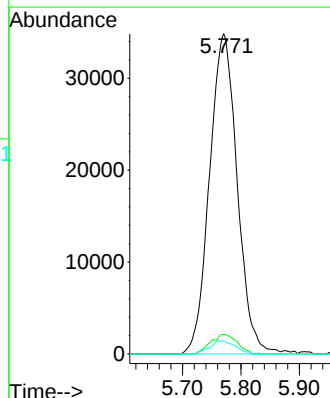
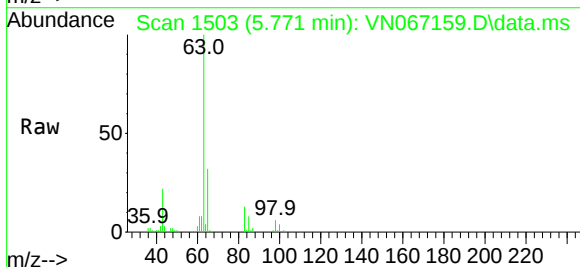
Tgt Ion: 63 Resp: 114577

Ion Ratio Lower Upper

63 100

98 6.1 3.6 10.8

100 4.0 2.3 6.8



Instrument :

MSVOA\_N

ClientSampleId :

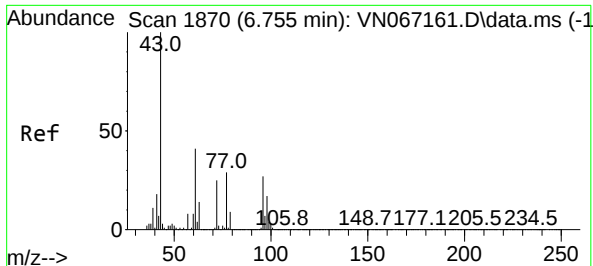
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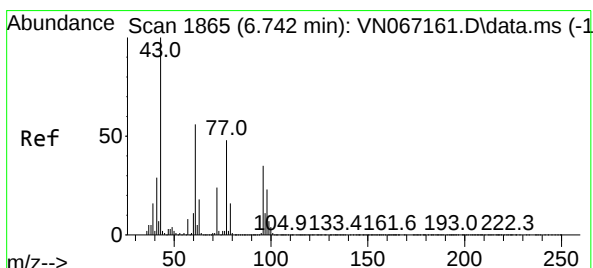
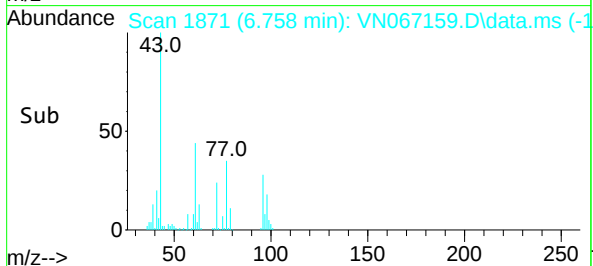
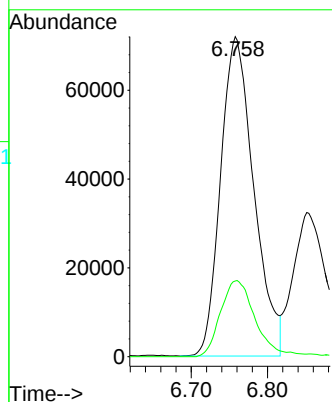
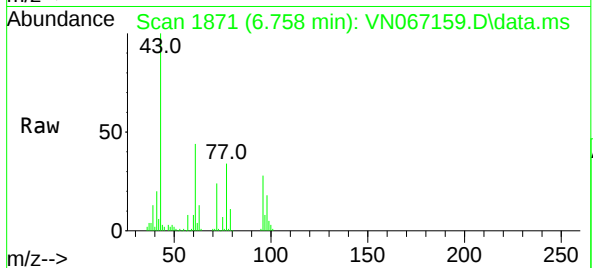
#25  
2-Butanone  
Concen: 151.19 ug/l  
RT: 6.758 min Scan# 1871  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 43 Resp: 217624  
Ion Ratio Lower Upper  
43 100  
72 23.7 24.4 36.6#

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC020

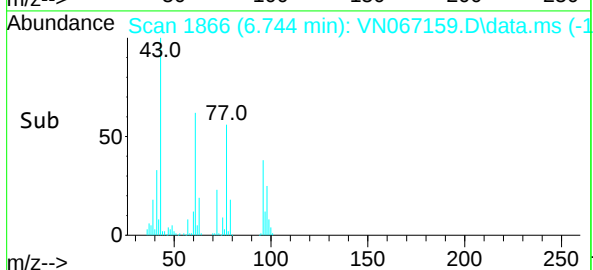
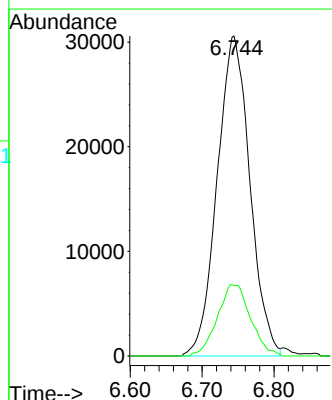
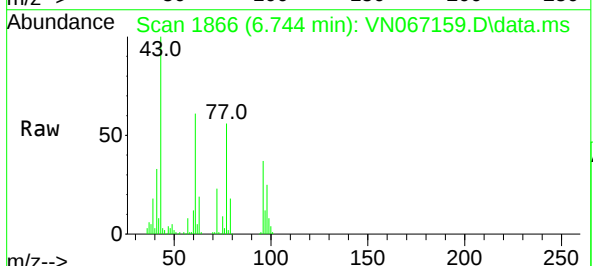
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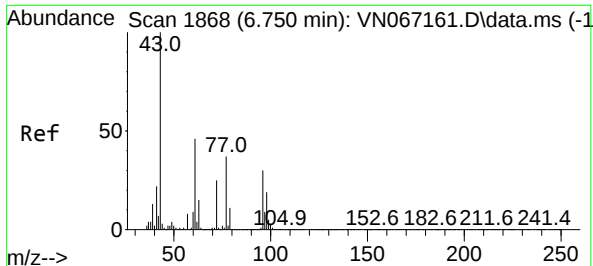
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#26  
2,2-Dichloropropane  
Concen: 23.18 ug/l  
RT: 6.744 min Scan# 1866  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 77 Resp: 96676  
Ion Ratio Lower Upper  
77 100  
97 22.5 12.0 36.0





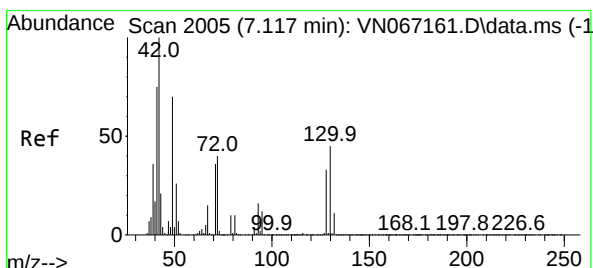
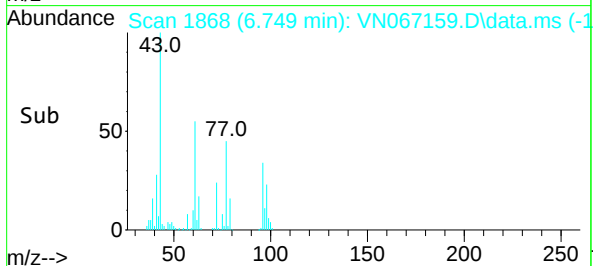
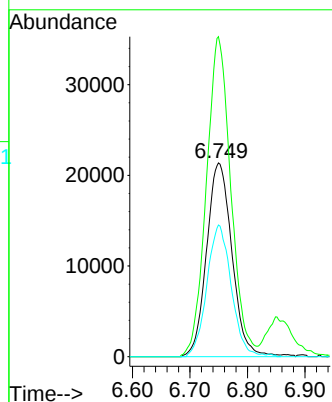
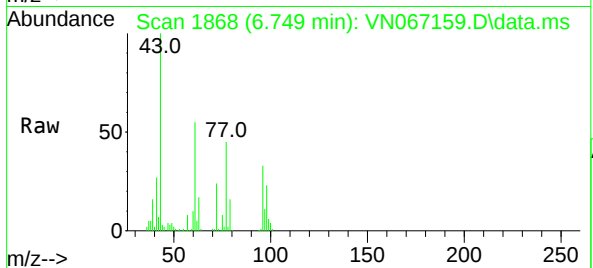
#27  
cis-1,2-Dichloroethene  
Concen: 22.01 ug/l  
RT: 6.749 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 96 Resp: 65570  
Ion Ratio Lower Upper  
96 100  
61 158.8 0.0 272.4  
98 65.2 0.0 130.4

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

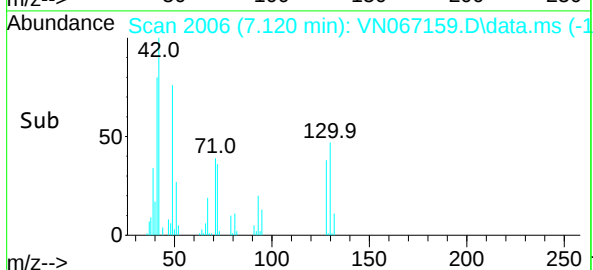
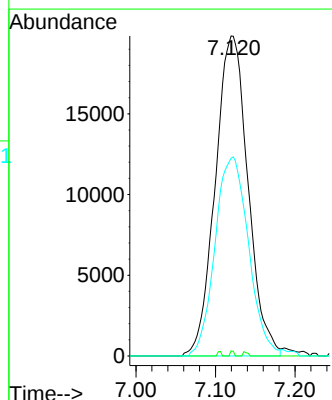
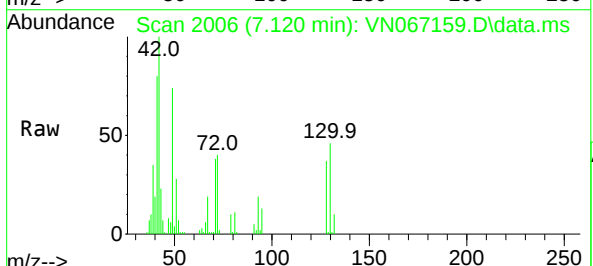
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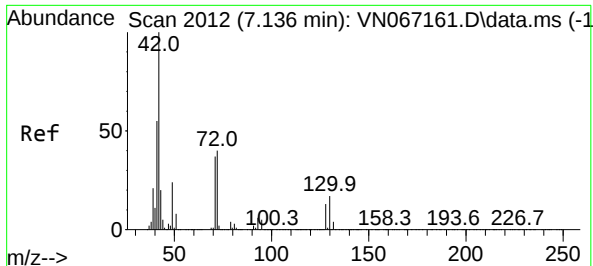
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#28  
Bromochloromethane  
Concen: 28.65 ug/l  
RT: 7.120 min Scan# 2006  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 49 Resp: 56645  
Ion Ratio Lower Upper  
49 100  
129 0.2 0.0 4.8  
130 64.3 76.4 114.6#





#29

Tetrahydrofuran

Concen: 159.64 ug/l

RT: 7.136 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN067159.D

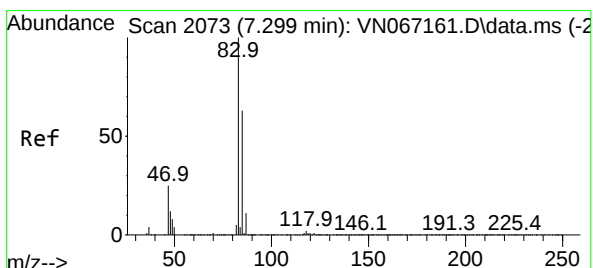
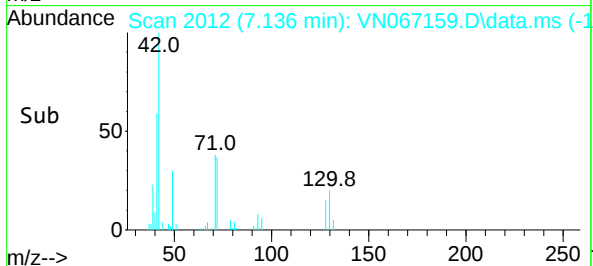
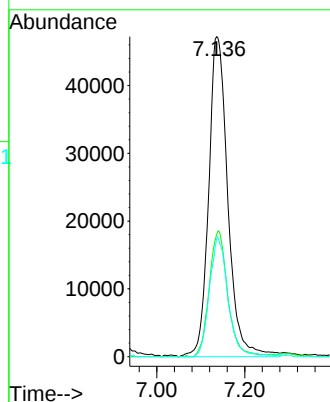
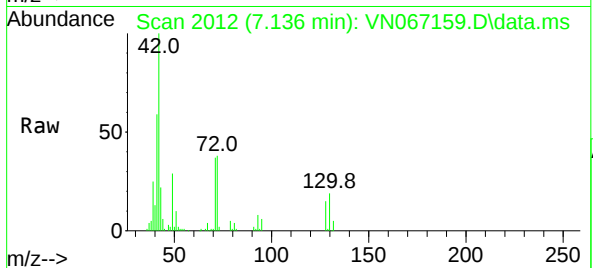
Acq: 21 May 2021 15:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 42    | Resp: | 143209 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 72       | 37.9  | 40.1  | 60.1#  |
| 71       | 35.3  | 37.9  | 56.9#  |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

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#30

Chloroform

Concen: 23.80 ug/l

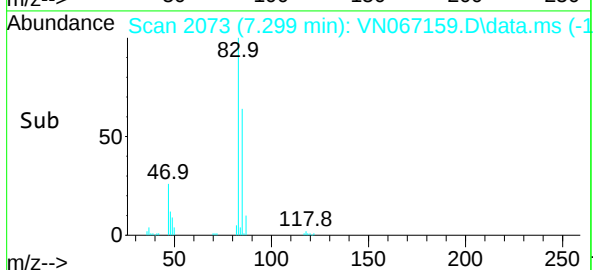
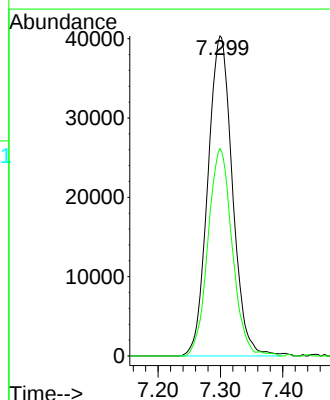
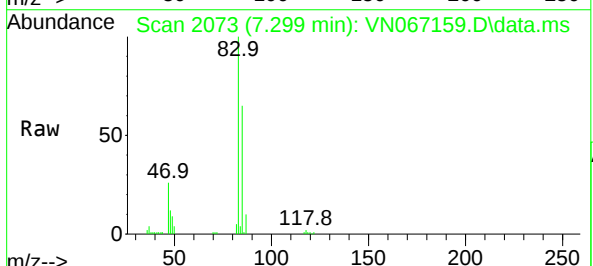
RT: 7.299 min Scan# 2073

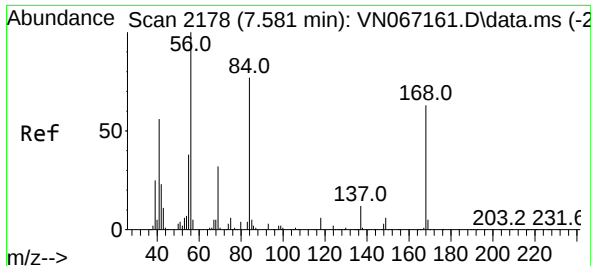
Delta R.T. -0.000 min

Lab File: VN067159.D

Acq: 21 May 2021 15:11

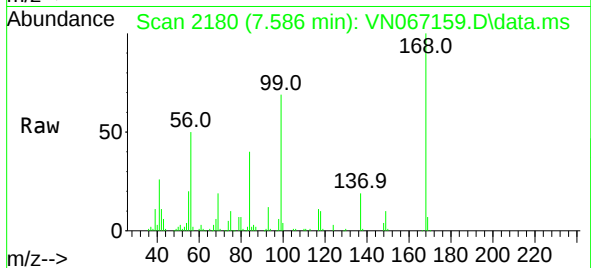
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 110641 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.8  | 51.2  | 76.8   |





#31  
Cyclohexane  
Concen: 25.92 ug/l  
RT: 7.586 min Scan# 2180  
Delta R.T. 0.005 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

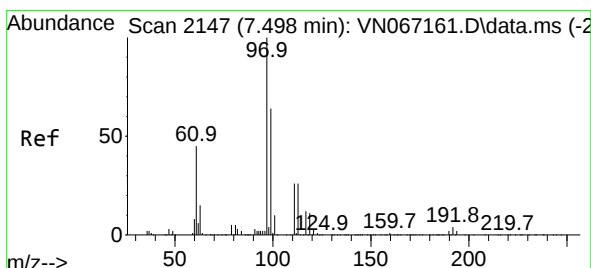
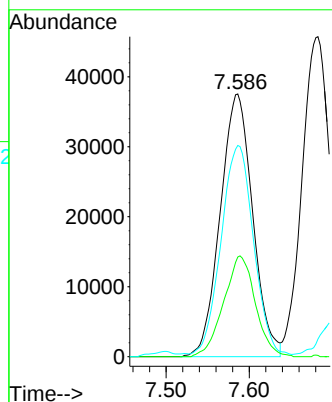
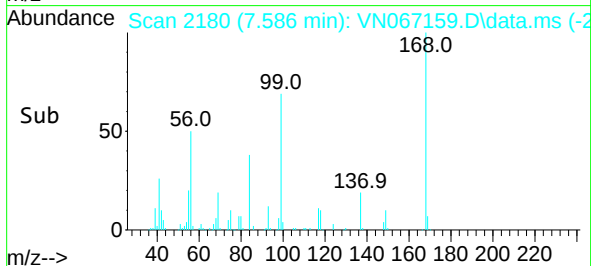
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020



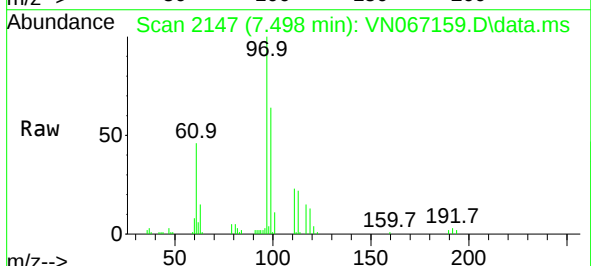
Tgt Ion: 56 Resp: 101879  
Ion Ratio Lower Upper  
56 100  
69 37.9 28.0 42.0  
84 79.3 74.2 111.2

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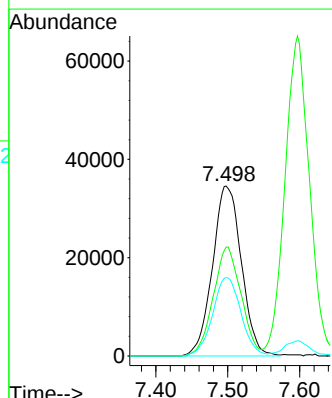
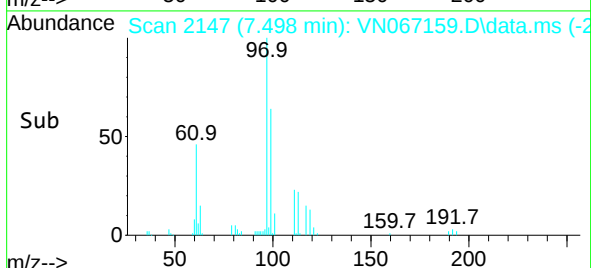
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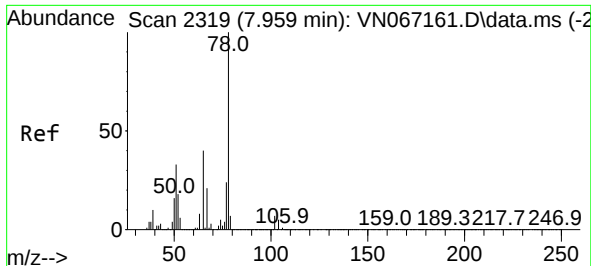


#32  
1,1,1-Trichloroethane  
Concen: 23.16 ug/l  
RT: 7.498 min Scan# 2147  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11



Tgt Ion: 97 Resp: 96372  
Ion Ratio Lower Upper  
97 100  
99 61.7 50.7 76.1  
61 45.3 31.6 47.4





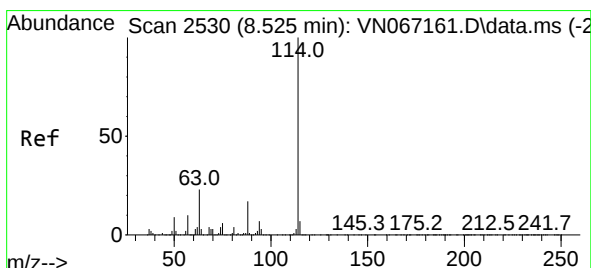
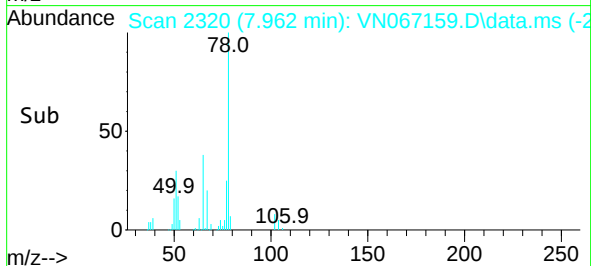
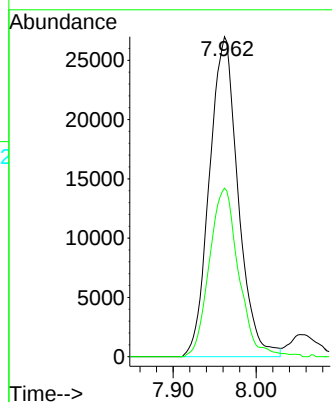
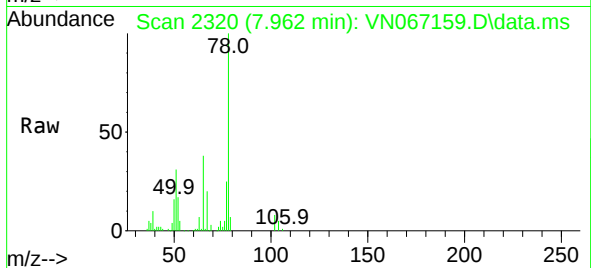
#33  
1,2-Dichloroethane-d4  
Concen: 23.36 ug/l  
RT: 7.962 min Scan# 2320  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 65 Resp: 64730  
Ion Ratio Lower Upper  
65 100  
67 53.7 0.0 110.4

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

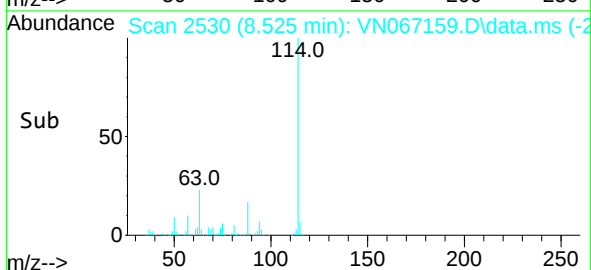
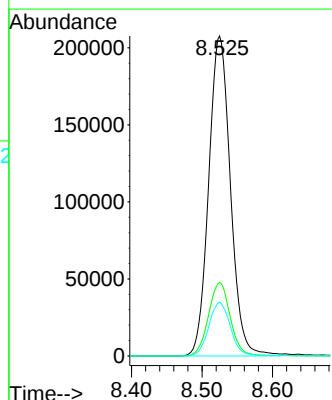
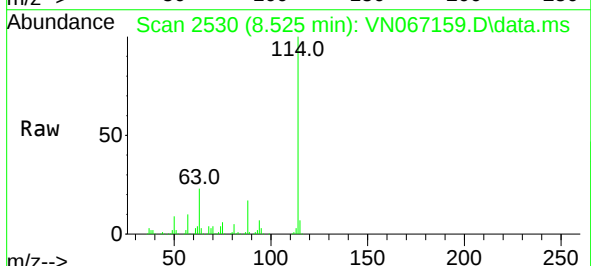
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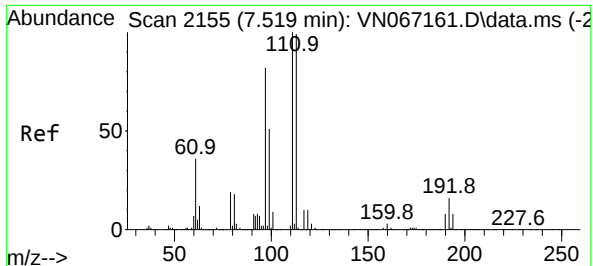
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#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.525 min Scan# 2530  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 114 Resp: 445090  
Ion Ratio Lower Upper  
114 100  
63 23.0 0.0 35.8  
88 16.8 0.0 30.4





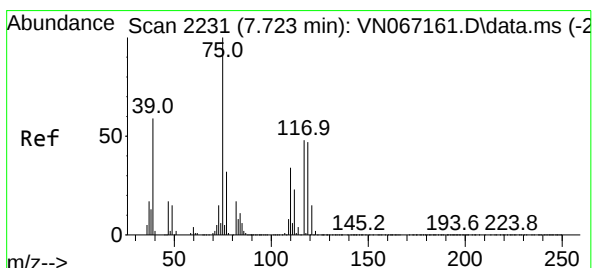
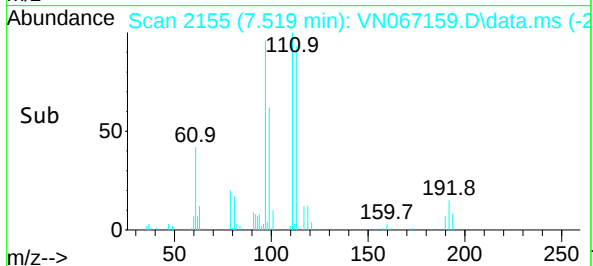
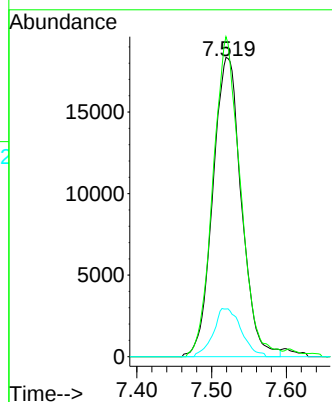
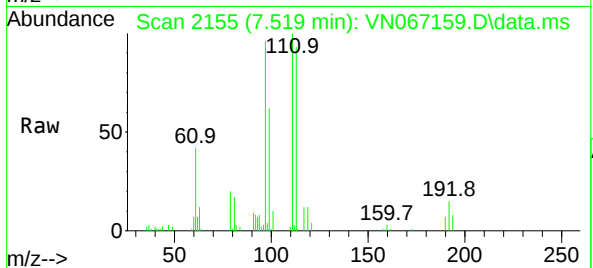
#35  
Dibromofluoromethane  
Concen: 16.76 ug/l  
RT: 7.519 min Scan# 2155  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.8 | 82.6  | 124.0 |
| 192     | 15.7  | 18.2  | 27.4  |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

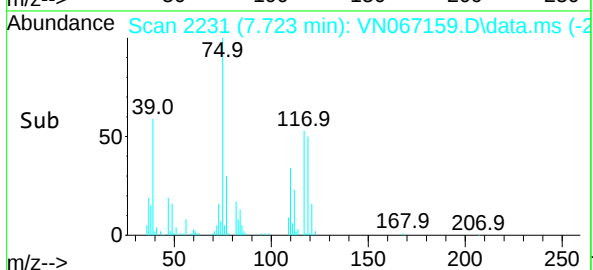
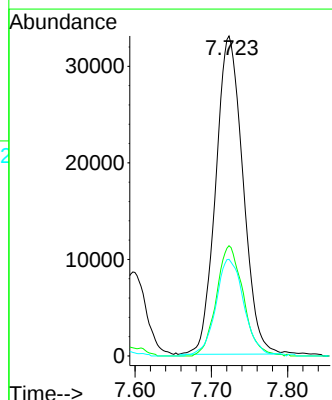
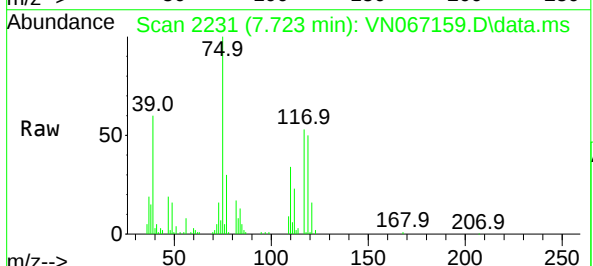
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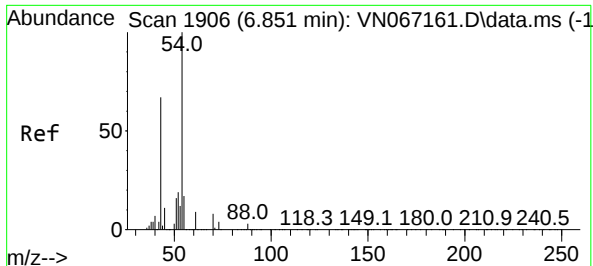
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#36  
1,1-Dichloropropene  
Concen: 19.72 ug/l  
RT: 7.723 min Scan# 2231  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 34.3  | 19.1  | 57.3  |
| 77      | 31.7  | 24.8  | 37.2  |





#37

Ethyl Acetate

Concen: 23.70 ug/l

RT: 6.851 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VN067159.D

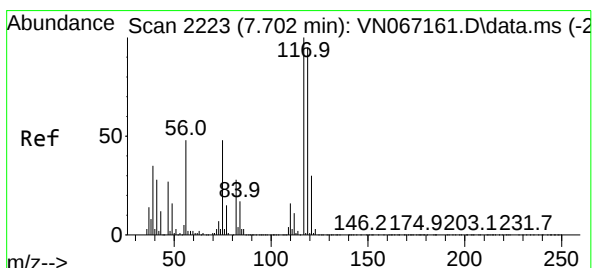
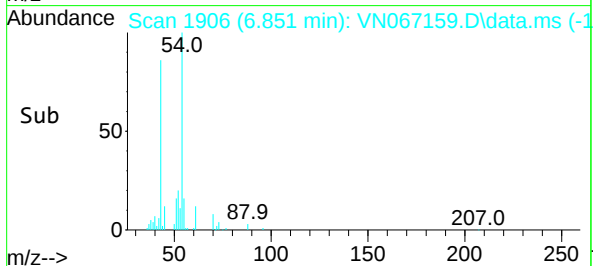
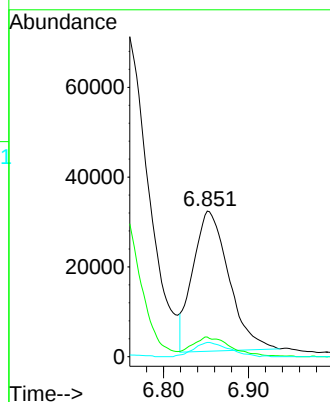
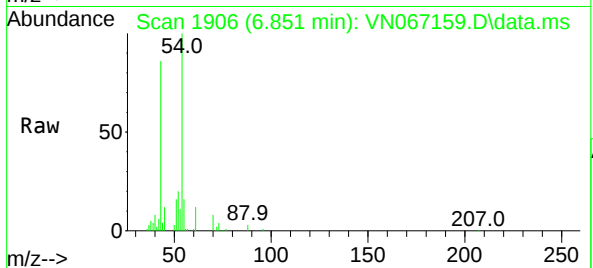
Acq: 21 May 2021 15:11

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 92093 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 14.3  | 13.0  | 19.4  |
| 70       | 9.9   | 9.2   | 13.8  |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

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#38

Carbon Tetrachloride

Concen: 18.62 ug/l

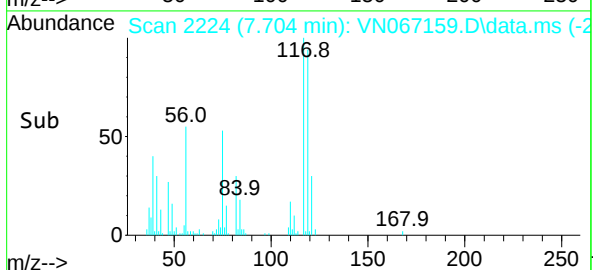
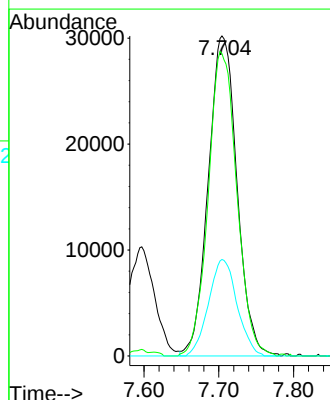
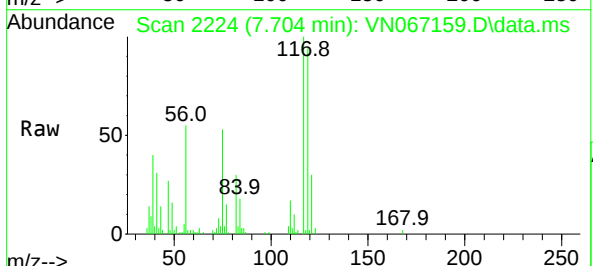
RT: 7.704 min Scan# 2224

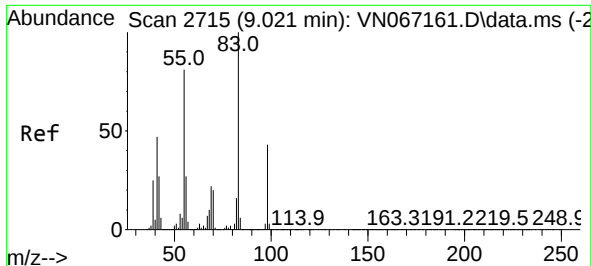
Delta R.T. 0.003 min

Lab File: VN067159.D

Acq: 21 May 2021 15:11

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 80596 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 93.9  | 78.2  | 117.2 |
| 121      | 30.1  | 24.7  | 37.1  |





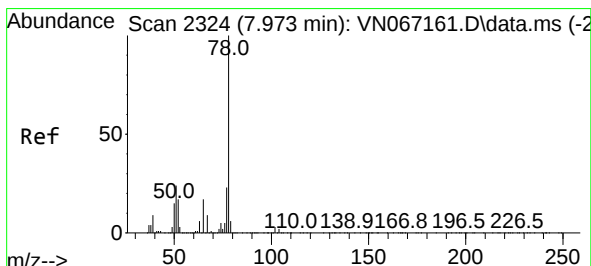
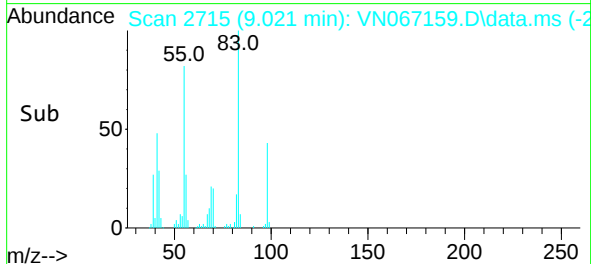
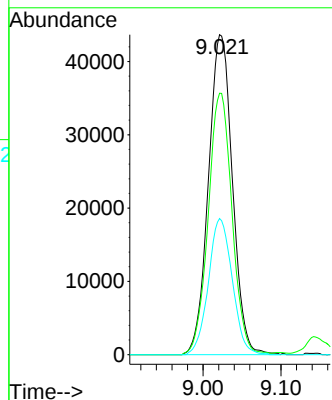
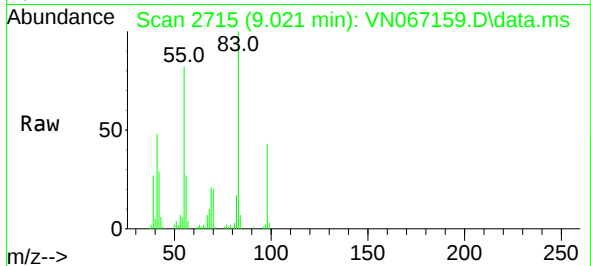
#39  
Methylcyclohexane  
Concen: 19.39 ug/l  
RT: 9.021 min Scan# 2715  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 93457 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 55        | 81.7  | 56.2  | 84.2  |
| 98        | 42.6  | 36.8  | 55.2  |

Instrument :  
MSVOA\_N  
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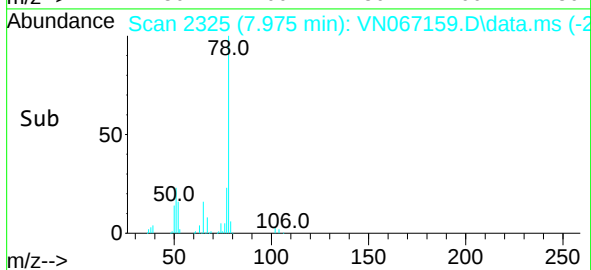
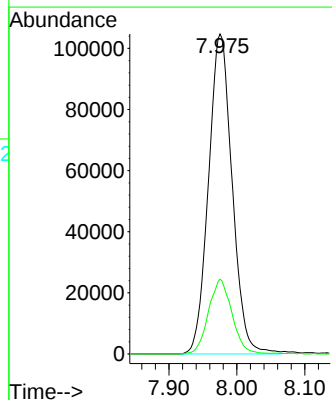
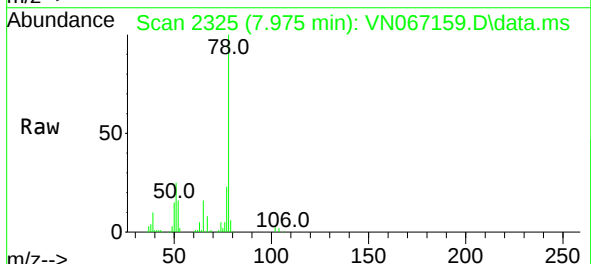
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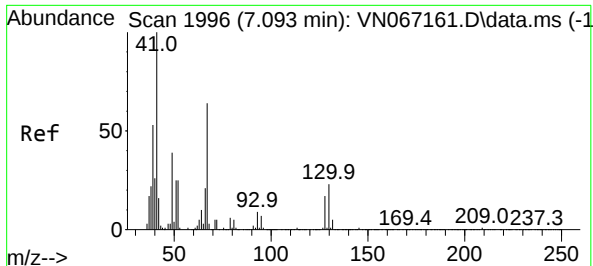
MMDadoda  
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#40  
Benzene  
Concen: 20.11 ug/l  
RT: 7.975 min Scan# 2325  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 78    | Resp: | 253157 |
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 23.3  | 18.4  | 27.6   |





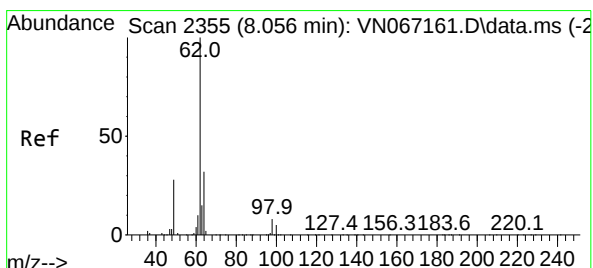
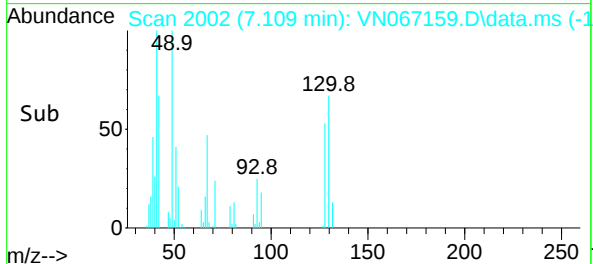
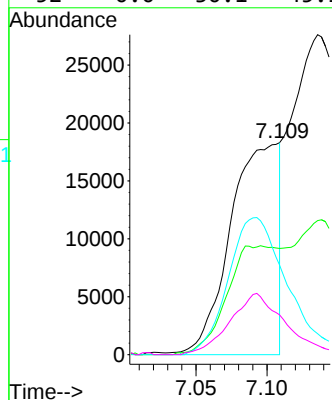
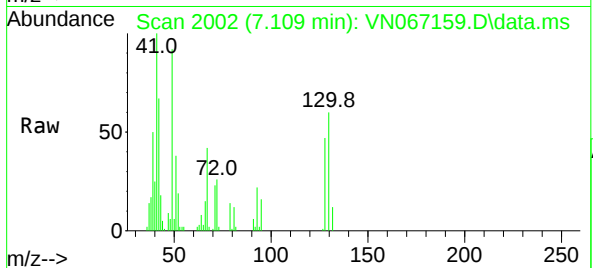
#41  
Methacrylonitrile  
Concen: 27.13 ug/l m  
RT: 7.109 min Scan# 2002  
Delta R.T. 0.016 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 43311  |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 39        | 0.0   | 45.3  | 67.9#  |
| 67        | 0.0   | 85.1  | 127.7# |
| 52        | 0.0   | 30.1  | 45.1#  |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

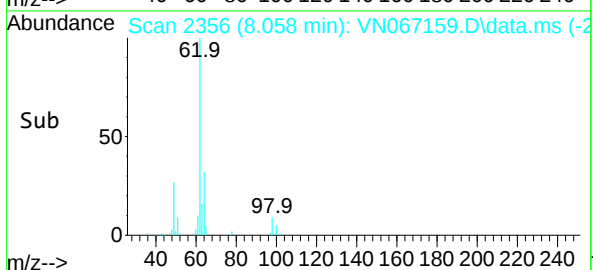
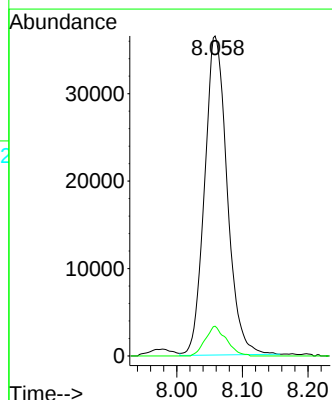
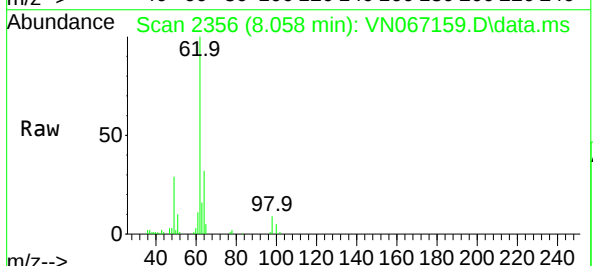
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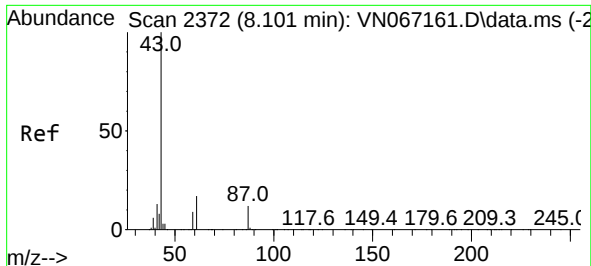
MMDadoda  
5/24/2021 3:52:45 PM



#42  
1,2-Dichloroethane  
Concen: 21.33 ug/l  
RT: 8.058 min Scan# 2356  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

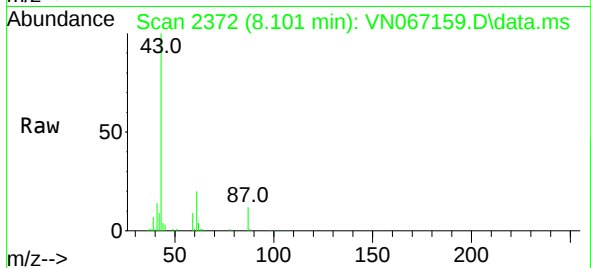
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 62    | Resp: | 87159 |
| Ion Ratio | Lower | Upper |       |
| 62        | 100   |       |       |
| 98        | 8.8   | 0.0   | 20.2  |





#43  
Isopropyl Acetate  
Concen: 24.48 ug/l  
RT: 8.101 min Scan# 2372  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

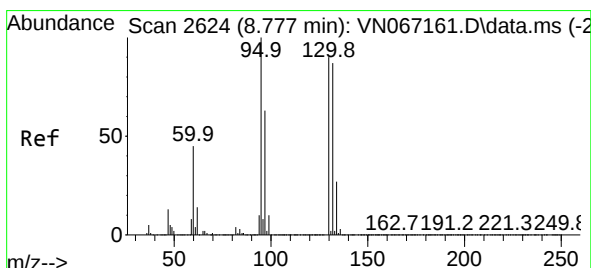
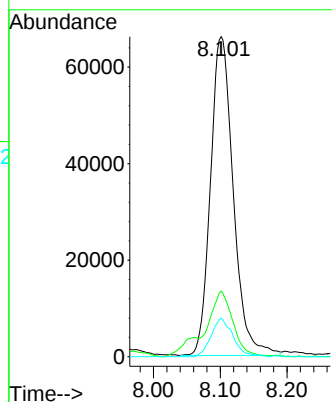
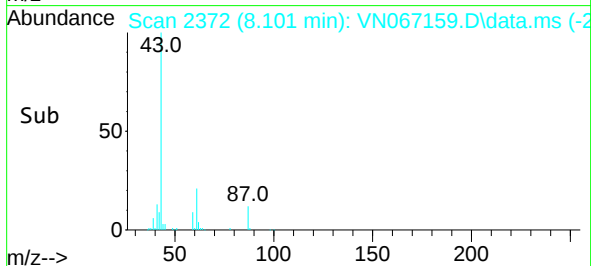
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020



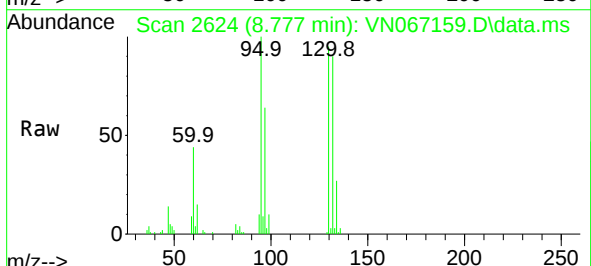
Tgt Ion: 43 Resp: 156734  
Ion Ratio Lower Upper  
43 100  
61 19.9 23.4 35.0#  
87 11.6 12.2 18.2#

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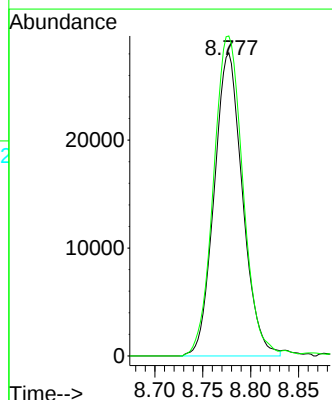
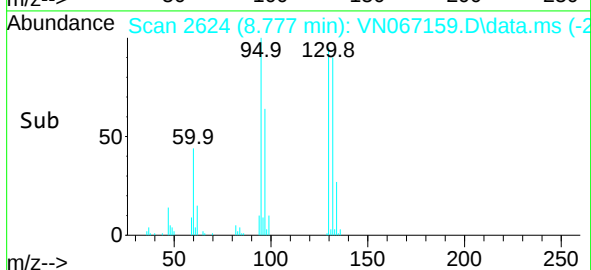
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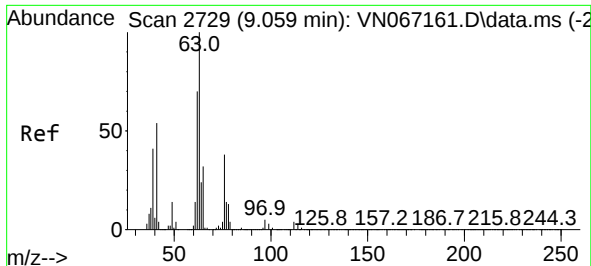


#44  
Trichloroethene  
Concen: 16.83 ug/l  
RT: 8.777 min Scan# 2624  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11



Tgt Ion: 130 Resp: 57776  
Ion Ratio Lower Upper  
130 100  
95 105.5 0.0 182.4





#45

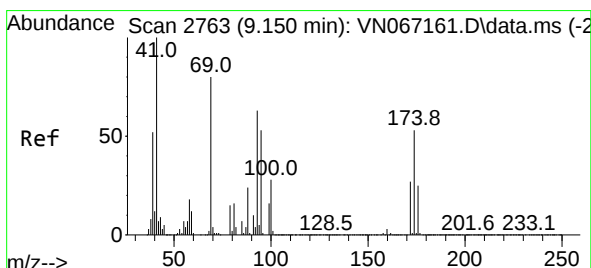
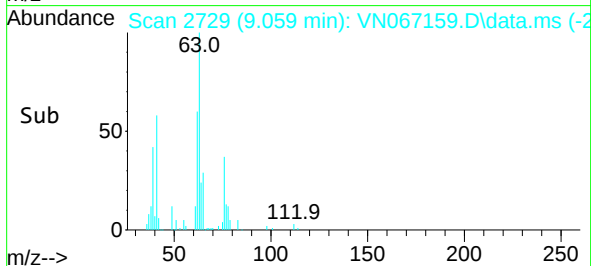
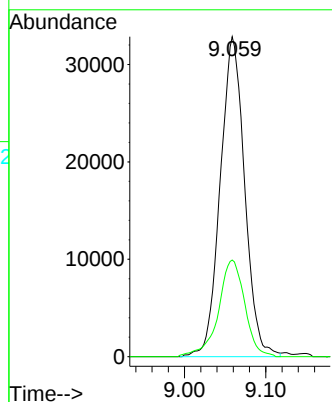
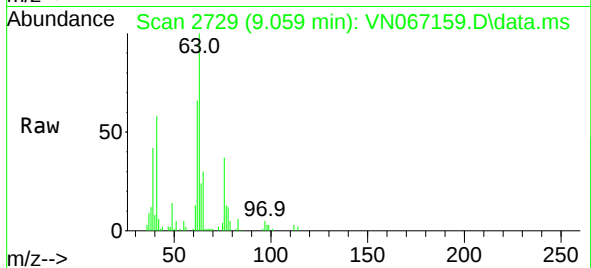
1,2-Dichloropropane  
Concen: 20.69 ug/l  
RT: 9.059 min Scan# 2729  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 63 Resp: 68575  
Ion Ratio Lower Upper  
63 100  
65 30.2 23.9 35.9

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

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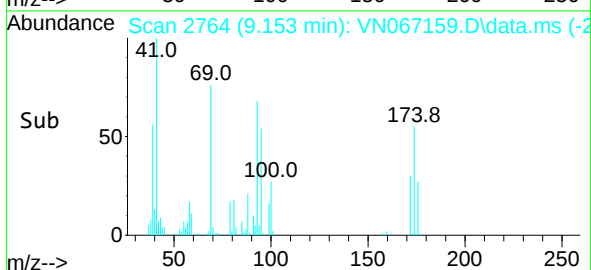
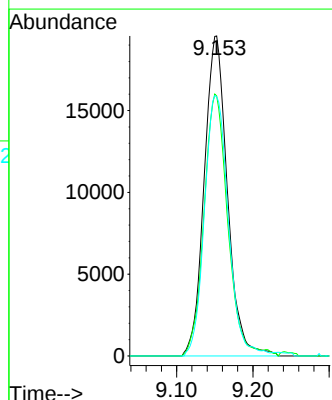
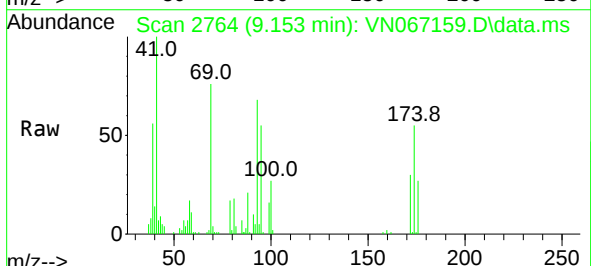
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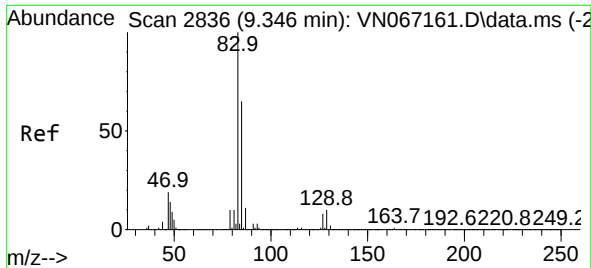


#46

Dibromomethane  
Concen: 18.89 ug/l  
RT: 9.153 min Scan# 2764  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 93 Resp: 41317  
Ion Ratio Lower Upper  
93 100  
95 83.2 67.8 101.6  
174 83.8 93.4 140.0#





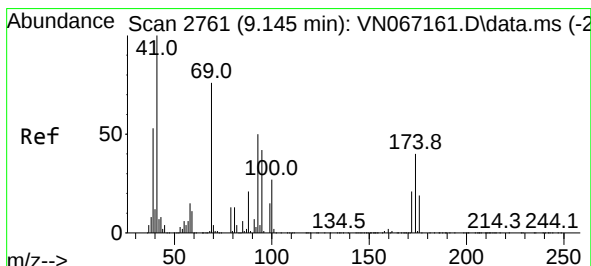
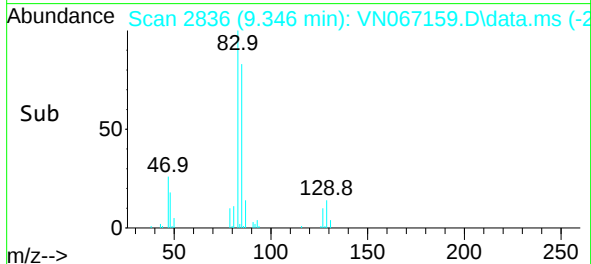
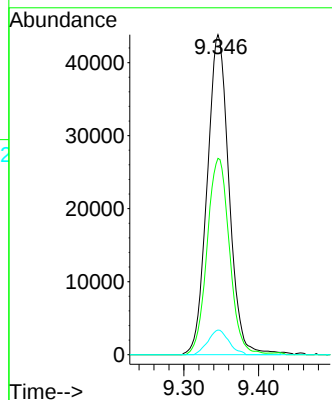
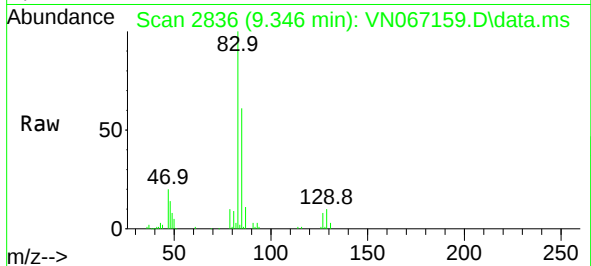
#47  
Bromodichloromethane  
Concen: 19.59 ug/l  
RT: 9.346 min Scan# 2836  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 88825 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 61.4  | 51.7  | 77.5  |
| 127       | 7.7   | 7.4   | 11.0  |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

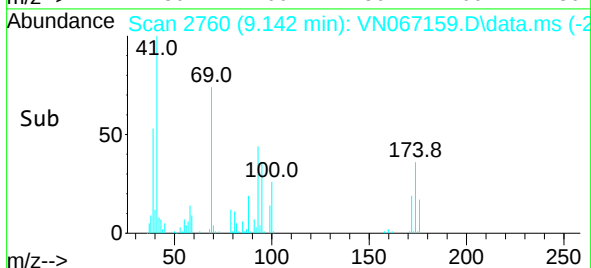
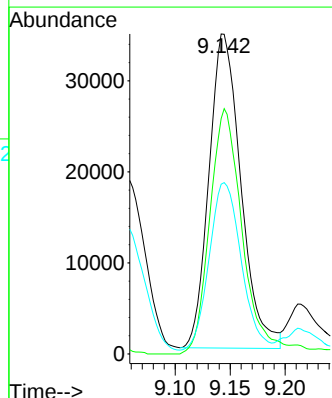
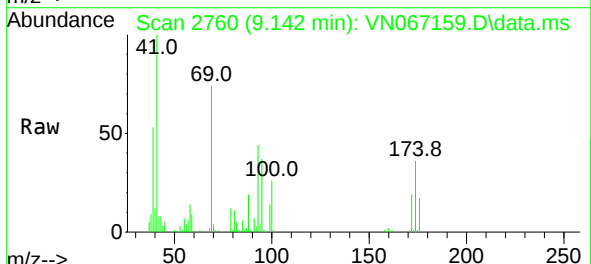
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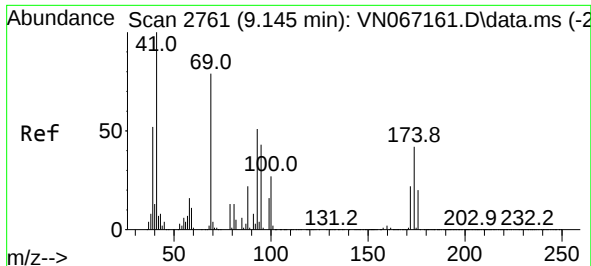
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#48  
Methyl methacrylate  
Concen: 25.48 ug/l  
RT: 9.142 min Scan# 2760  
Delta R.T. -0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 69622  |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 79.0  | 80.5  | 120.7# |
| 39        | 54.8  | 41.4  | 62.0   |





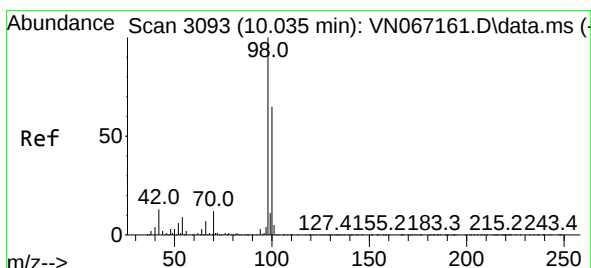
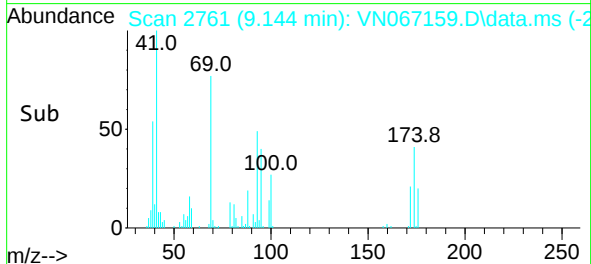
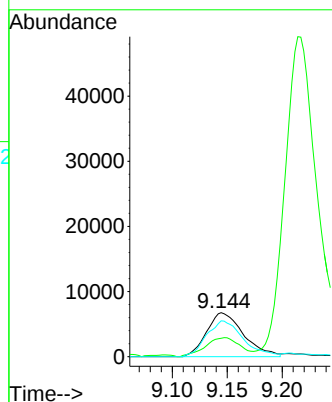
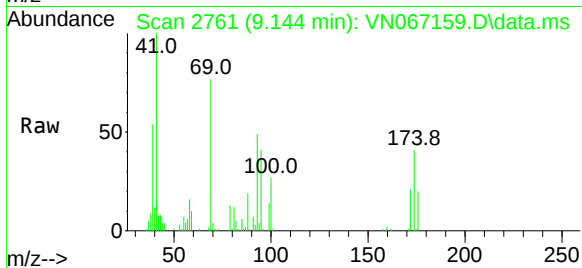
#49  
1,4-Dioxane  
Concen: 359.55 ug/l  
RT: 9.144 min Scan# 2761  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 88 Resp: 15792  
Ion Ratio Lower Upper  
88 100  
43 40.9 21.8 32.8#  
58 80.6 50.8 76.2#

Instrument :  
MSVOA\_N  
ClientSampleId :  
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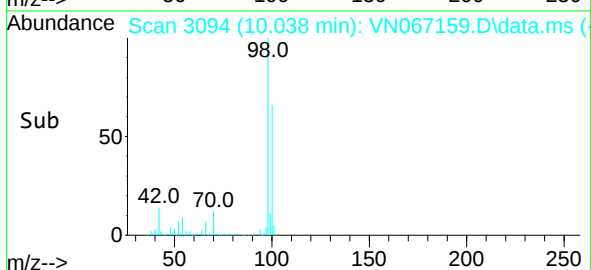
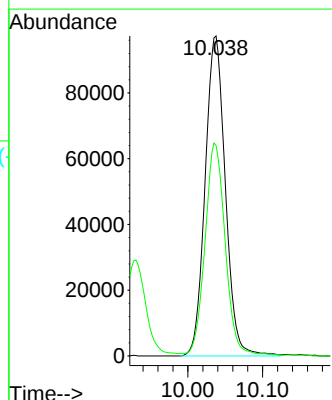
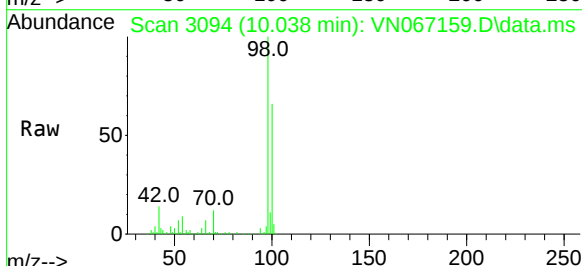
Manual Integrations  
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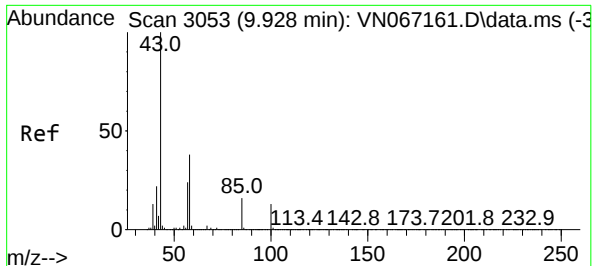
MMDadoda  
5/24/2021 3:52:45 PM



#50  
Toluene-d8  
Concen: 16.65 ug/l  
RT: 10.038 min Scan# 3094  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 98 Resp: 183168  
Ion Ratio Lower Upper  
98 100  
100 66.1 51.8 77.8





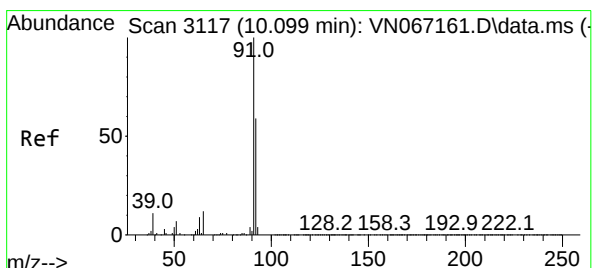
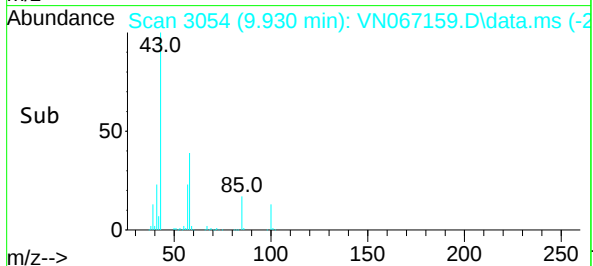
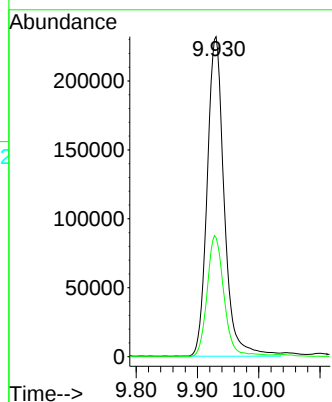
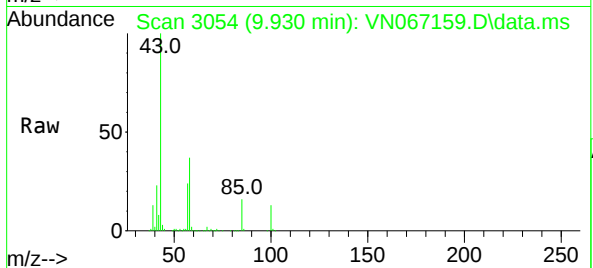
#51  
4-Methyl-2-Pentanone  
Concen: 125.71 ug/l  
RT: 9.930 min Scan# 3054  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 43 Resp: 447557  
Ion Ratio Lower Upper  
43 100  
58 37.1 34.5 51.7

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

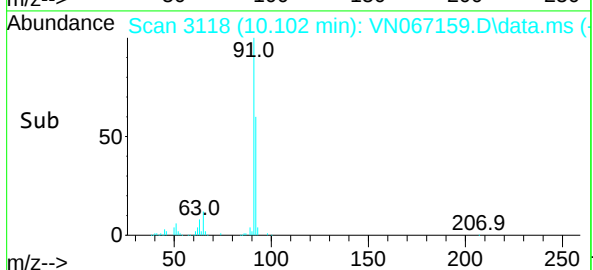
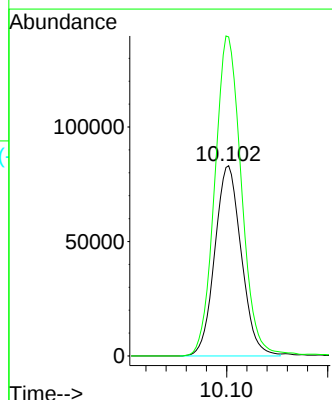
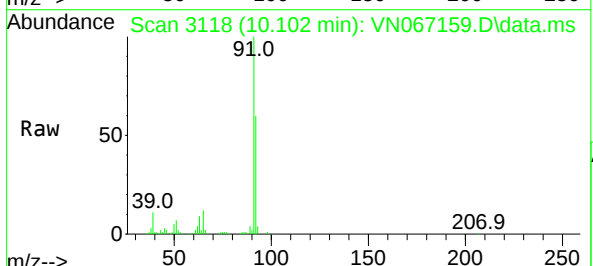
Manual Integrations  
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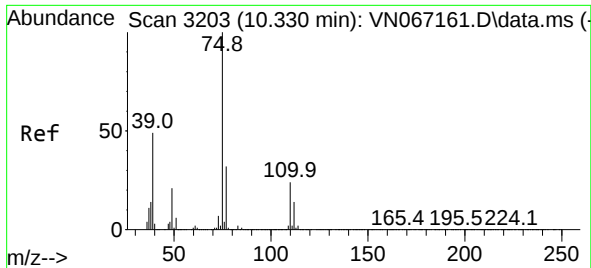
MMDadoda  
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#52  
Toluene  
Concen: 18.78 ug/l  
RT: 10.102 min Scan# 3118  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 92 Resp: 151288  
Ion Ratio Lower Upper  
92 100  
91 169.4 138.7 208.1





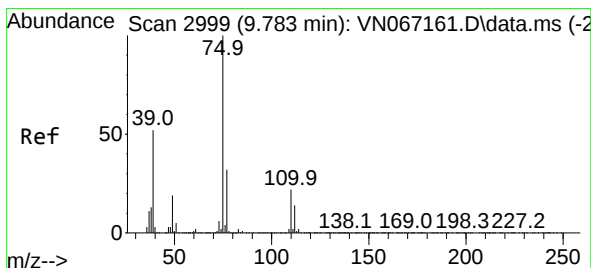
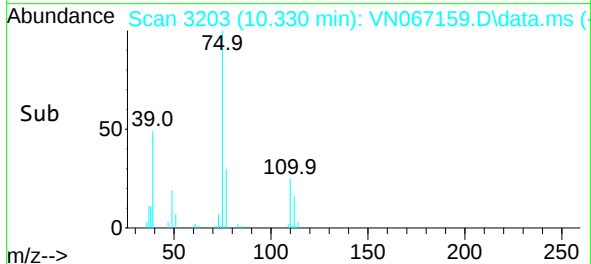
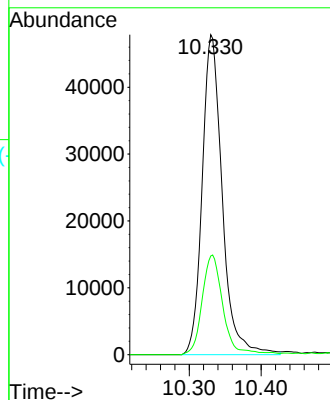
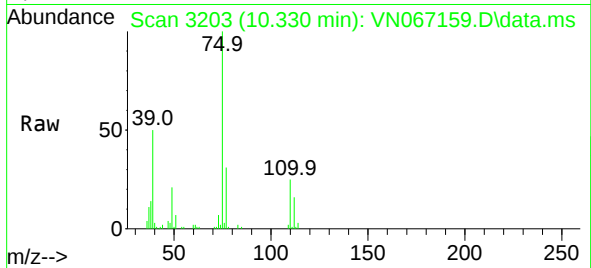
#53  
t-1,3-Dichloropropene  
Concen: 19.21 ug/l  
RT: 10.330 min Scan# 3203  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 75 Resp: 92819  
Ion Ratio Lower Upper  
75 100  
77 30.9 25.5 38.3

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

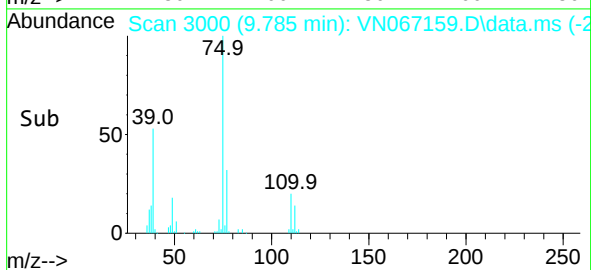
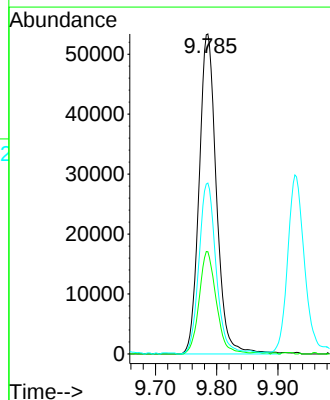
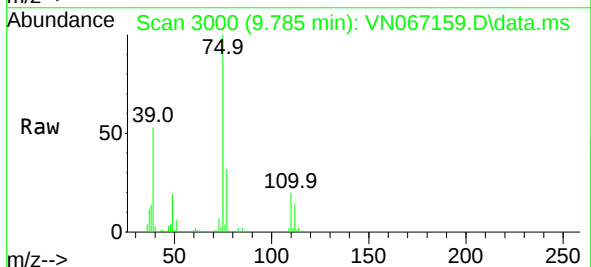
Manual Integrations  
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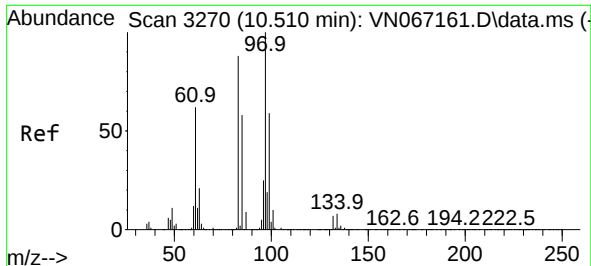
MMDadoda  
5/24/2021 3:52:45 PM



#54  
cis-1,3-Dichloropropene  
Concen: 19.38 ug/l  
RT: 9.785 min Scan# 3000  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 75 Resp: 104791  
Ion Ratio Lower Upper  
75 100  
77 32.0 25.1 37.7  
39 53.4 30.9 46.3#





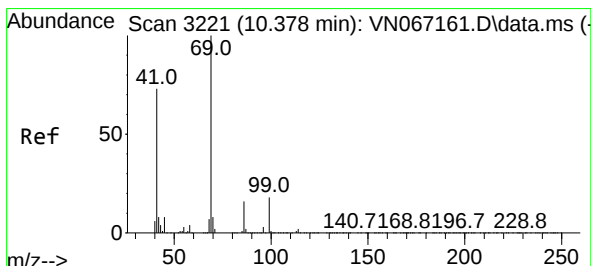
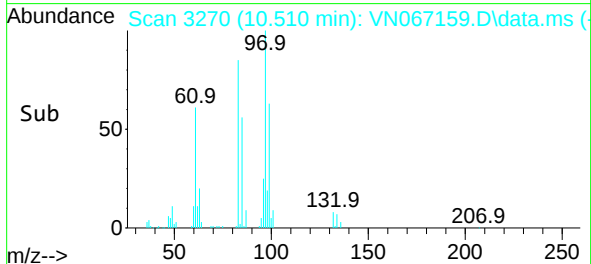
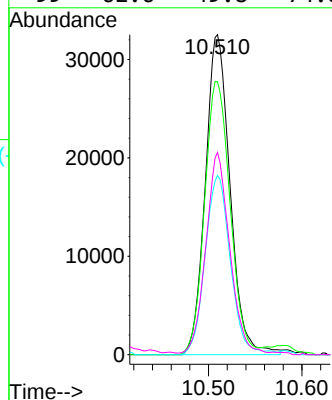
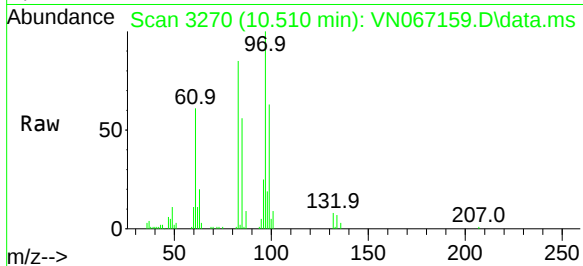
#55  
1,1,2-Trichloroethane  
Concen: 18.75 ug/l  
RT: 10.510 min Scan# 3270  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

| Tgt Ion: | 97    | Resp: | 59873 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 85.3  | 67.3  | 100.9 |
| 85       | 56.1  | 44.2  | 66.4  |
| 99       | 62.6  | 49.8  | 74.8  |

Instrument :  
MSVOA\_N  
ClientSampleId :  
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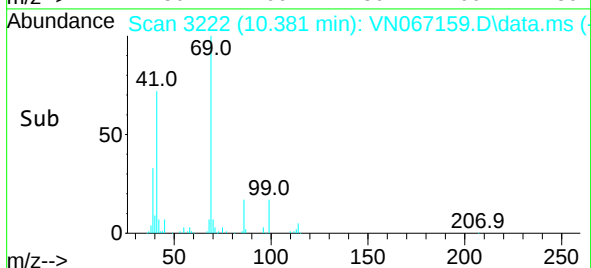
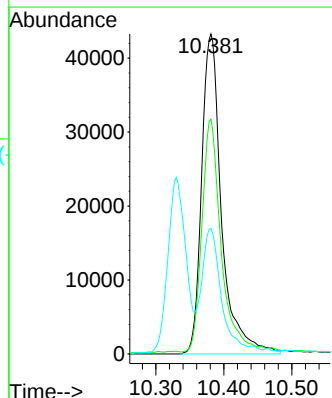
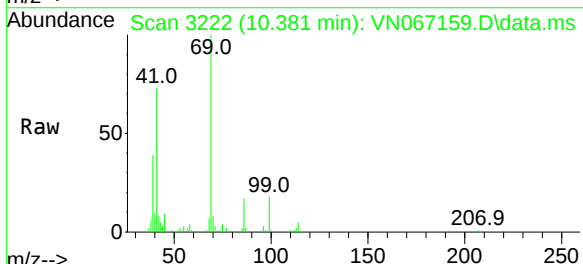
Manual Integrations  
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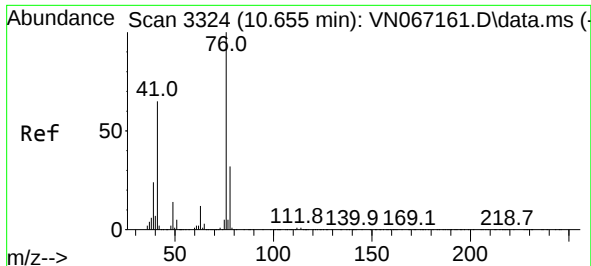
MMDadoda  
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#56  
Ethyl methacrylate  
Concen: 19.91 ug/l  
RT: 10.381 min Scan# 3222  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

| Tgt Ion: | 69    | Resp: | 88116 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 70.1  | 45.5  | 68.3# |
| 39       | 34.9  | 22.9  | 34.3# |





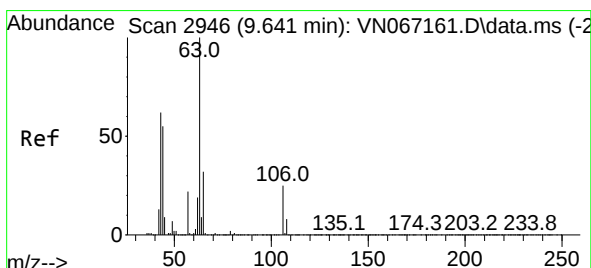
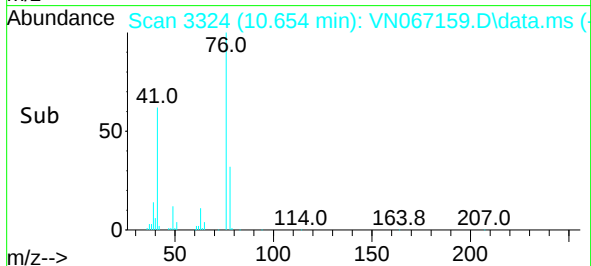
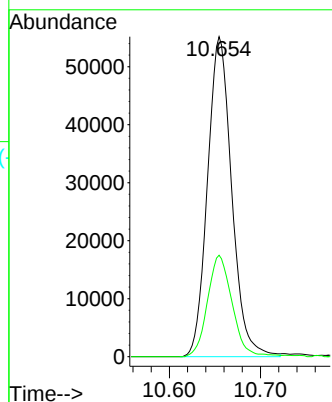
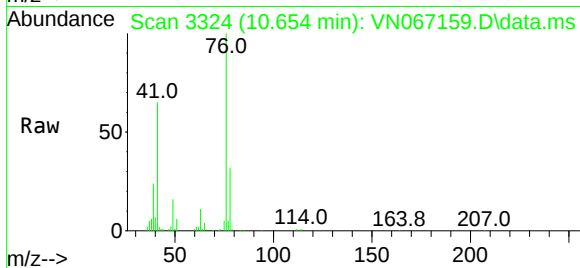
#57  
1,3-Dichloropropane  
Concen: 19.76 ug/l  
RT: 10.654 min Scan# 3324  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 76 Resp: 101790  
Ion Ratio Lower Upper  
76 100  
78 32.1 26.3 39.5

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

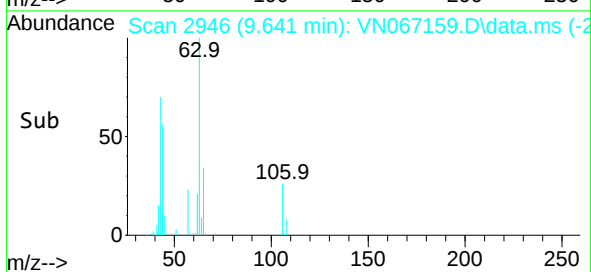
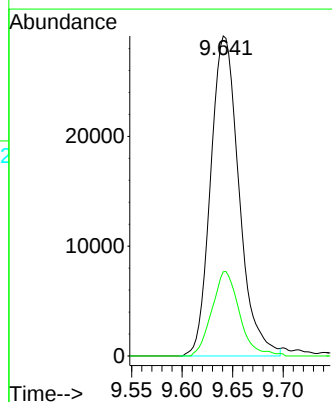
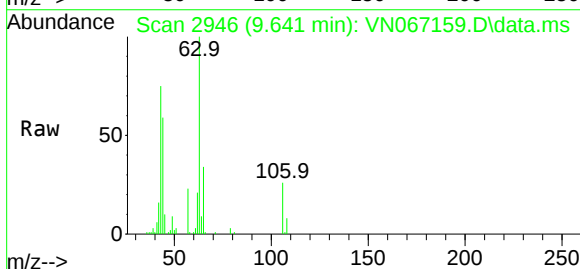
Manual Integrations  
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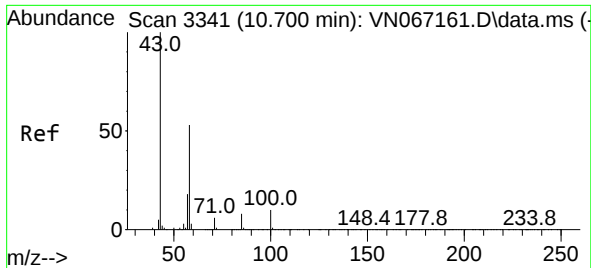
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#58  
2-Chloroethyl Vinyl ether  
Concen: 89.41 ug/l  
RT: 9.641 min Scan# 2946  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 63 Resp: 56980  
Ion Ratio Lower Upper  
63 100  
106 25.6 23.9 35.9





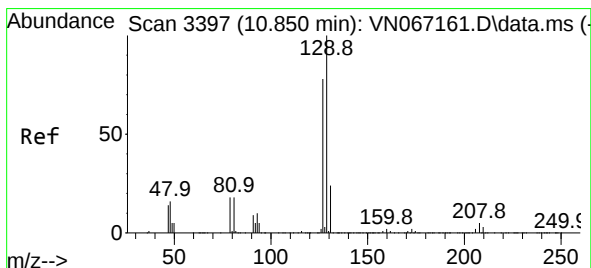
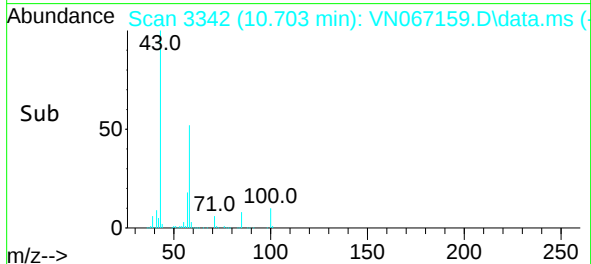
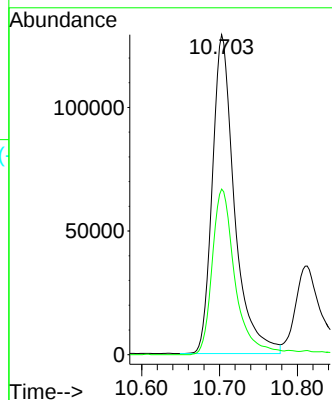
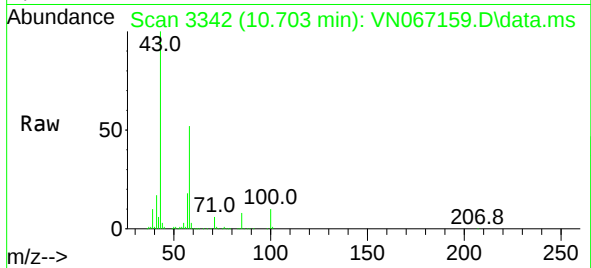
#59  
2-Hexanone  
Concen: 111.66 ug/l  
RT: 10.703 min Scan# 3342  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 43 Resp: 254361  
Ion Ratio Lower Upper  
43 100  
58 53.5 29.8 89.5

Instrument :  
MSVOA\_N  
ClientSampleId :  
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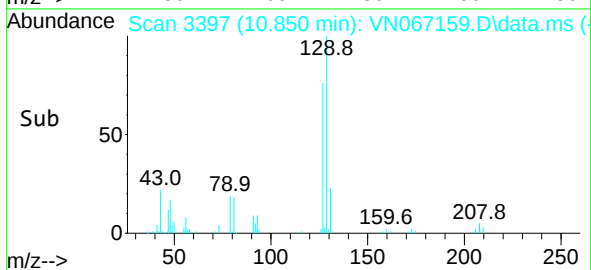
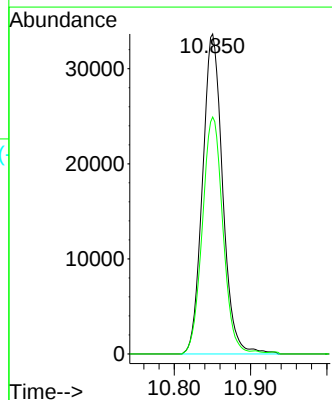
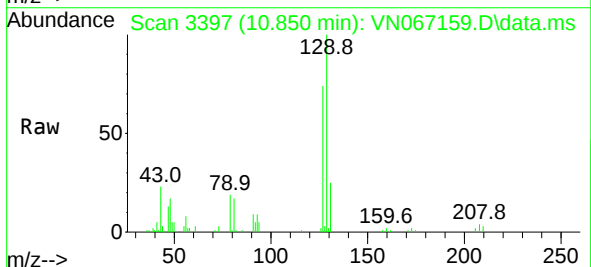
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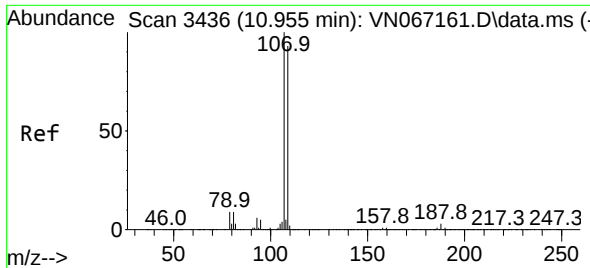
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#60  
Dibromochloromethane  
Concen: 16.83 ug/l  
RT: 10.850 min Scan# 3397  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

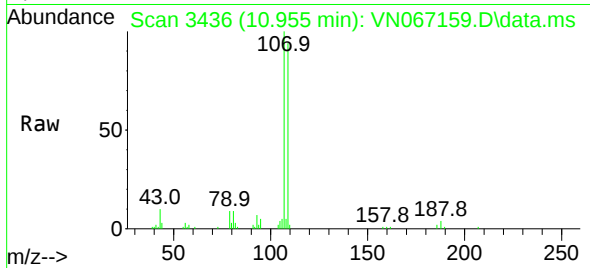
Tgt Ion: 129 Resp: 61666  
Ion Ratio Lower Upper  
129 100  
127 75.2 38.9 116.6





#61  
1,2-Dibromoethane  
Concen: 17.92 ug/l  
RT: 10.955 min Scan# 3436  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

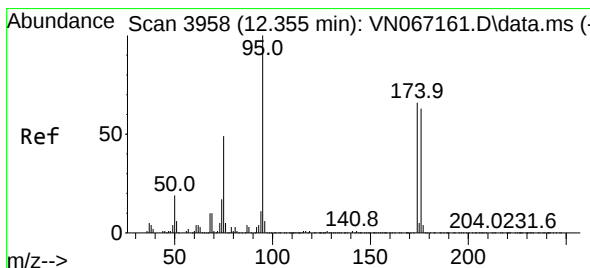
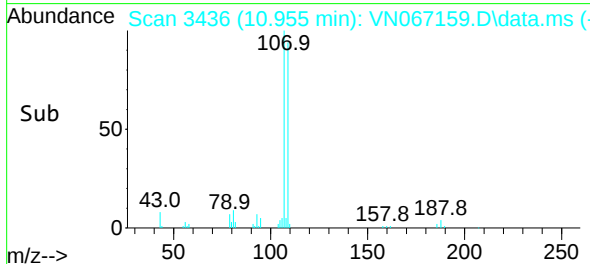
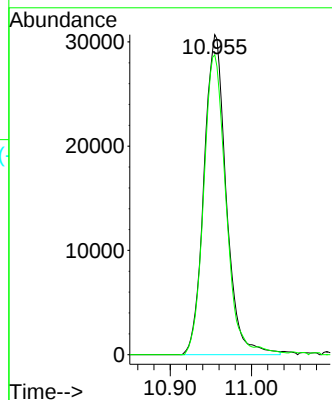
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020



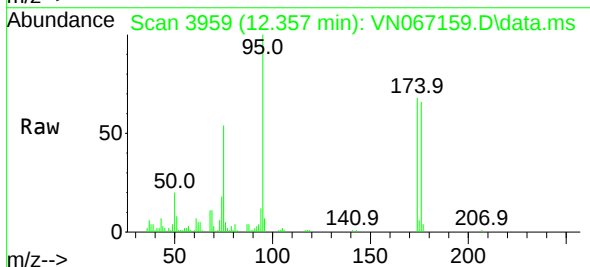
Tgt Ion:107 Resp: 58324  
Ion Ratio Lower Upper  
107 100  
109 92.6 75.8 113.6

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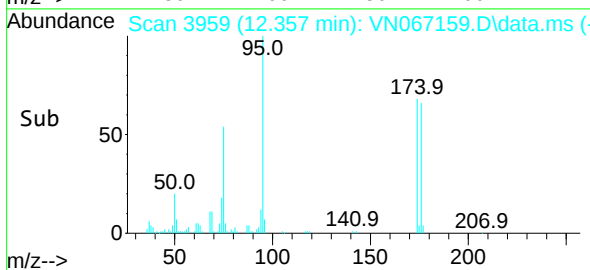
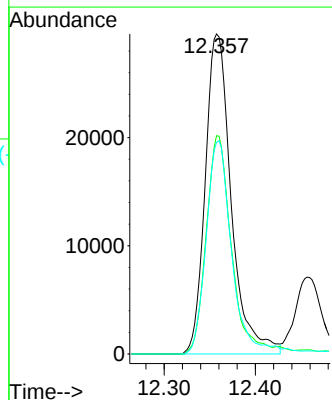
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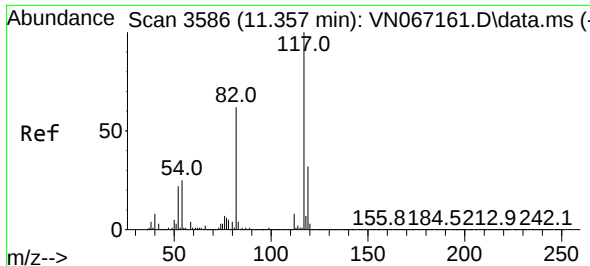


#62  
4-Bromofluorobenzene  
Concen: 15.75 ug/l  
RT: 12.357 min Scan# 3959  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

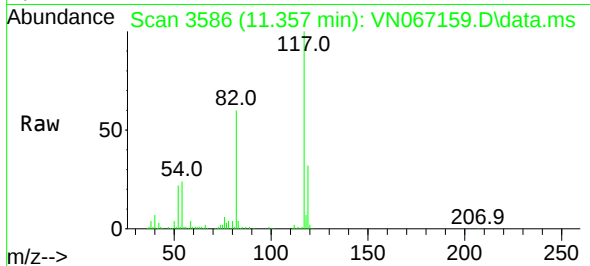


Tgt Ion: 95 Resp: 58666  
Ion Ratio Lower Upper  
95 100  
174 65.7 0.0 182.8  
176 64.9 0.0 176.6

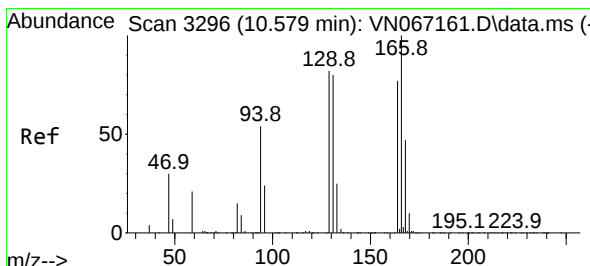
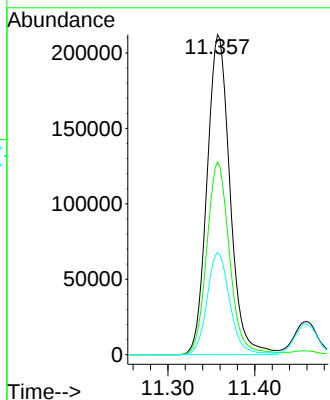
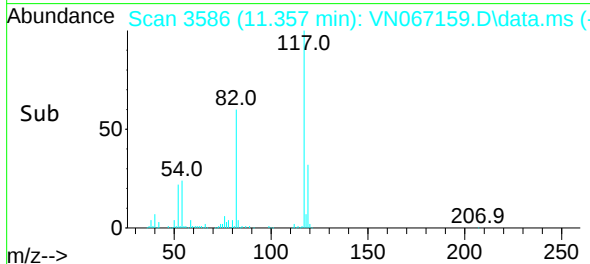




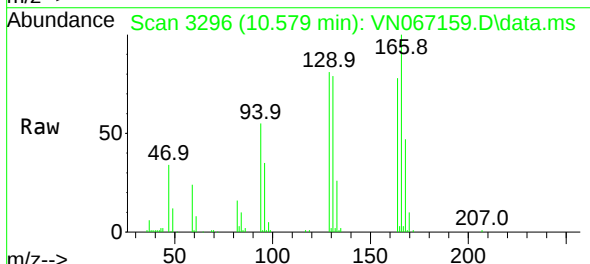
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.357 min Scan# 3586  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11



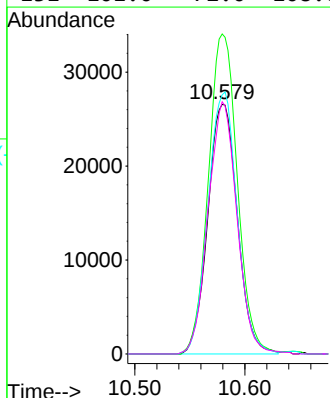
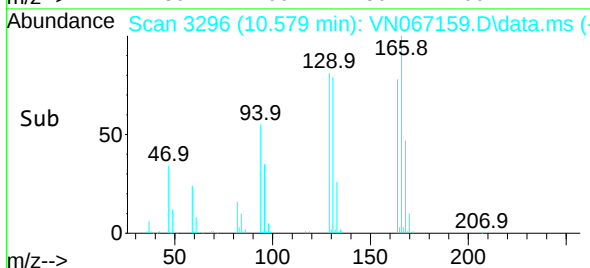
Tgt Ion:117 Resp: 388717  
Ion Ratio Lower Upper  
117 100  
82 60.2 42.2 63.2  
119 31.8 25.8 38.6



#64  
Tetrachloroethene  
Concen: 15.13 ug/l  
RT: 10.579 min Scan# 3296  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11



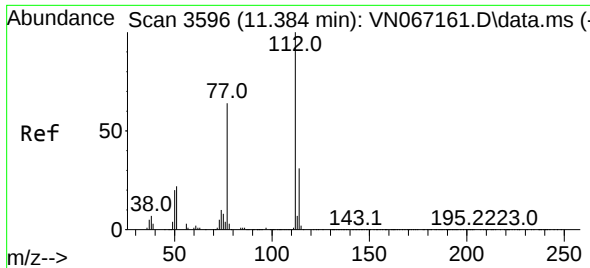
Tgt Ion:164 Resp: 49613  
Ion Ratio Lower Upper  
164 100  
166 128.2 103.0 154.6  
129 103.8 73.3 109.9  
131 101.0 72.0 108.0



Instrument :  
MSVOA\_N  
ClientSampleId :  
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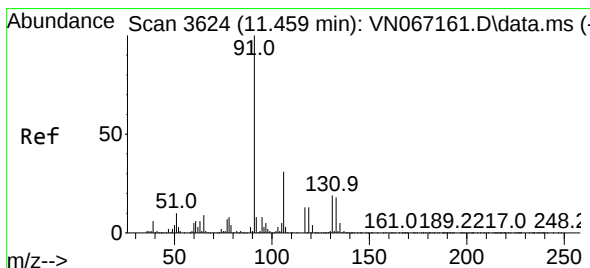
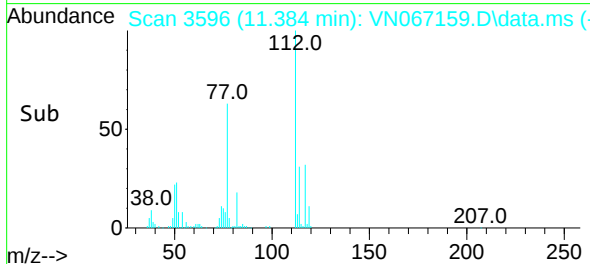
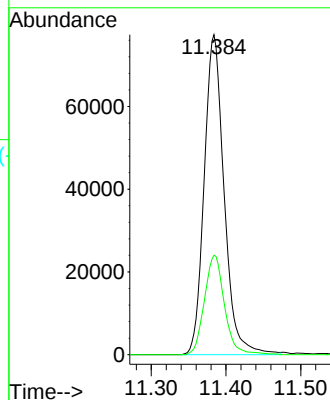
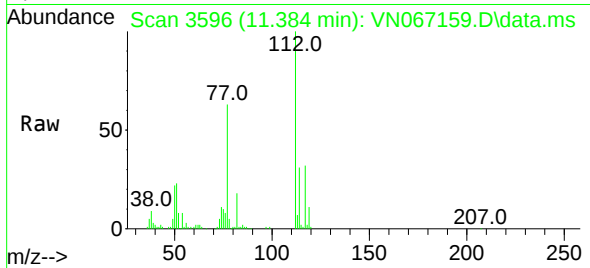
#65  
Chlorobenzene  
Concen: 16.78 ug/l  
RT: 11.384 min Scan# 3596  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion:112 Resp: 143430  
Ion Ratio Lower Upper  
112 100  
114 31.1 25.6 38.4

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

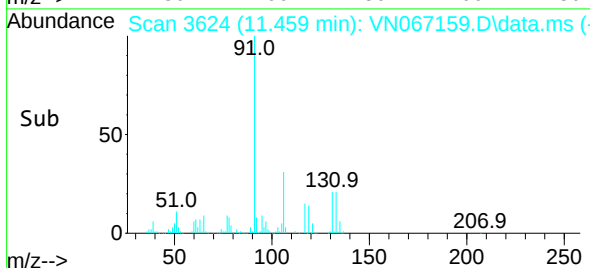
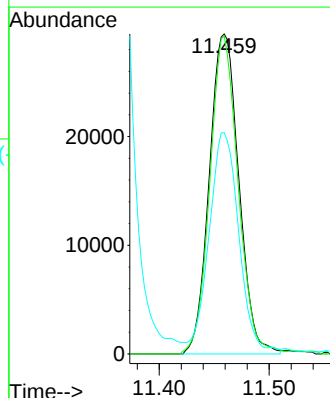
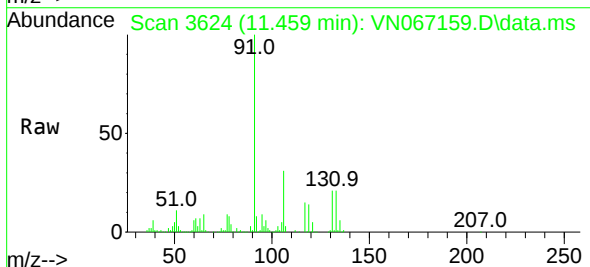
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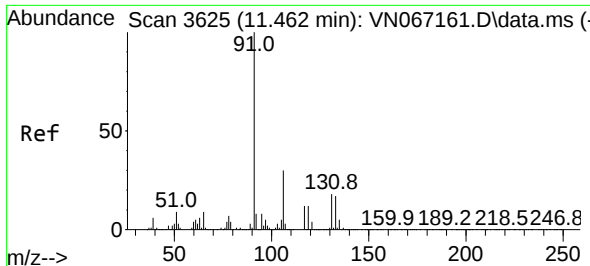
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 16.33 ug/l  
RT: 11.459 min Scan# 3624  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

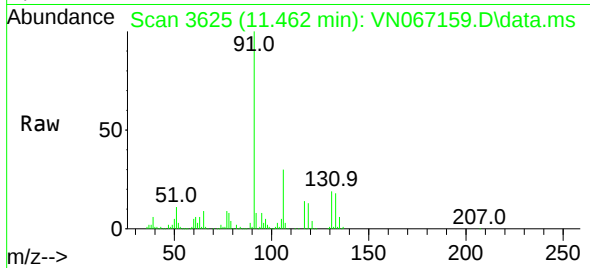
Tgt Ion:131 Resp: 54907  
Ion Ratio Lower Upper  
131 100  
133 95.3 47.8 143.3  
119 66.7 33.8 101.3





#67  
Ethyl Benzene  
Concen: 18.50 ug/l  
RT: 11.462 min Scan# 3625  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

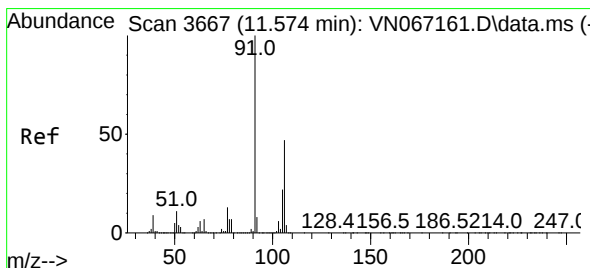
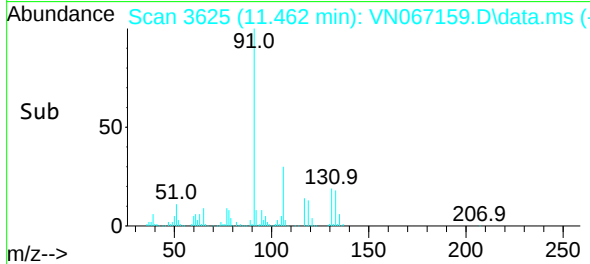
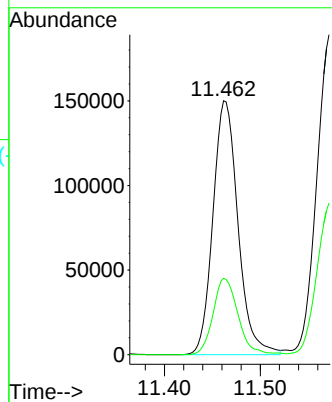
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020



Tgt Ion: 91 Resp: 272248  
Ion Ratio Lower Upper  
91 100  
106 30.0 26.2 39.2

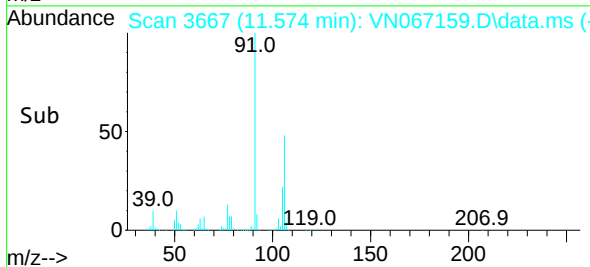
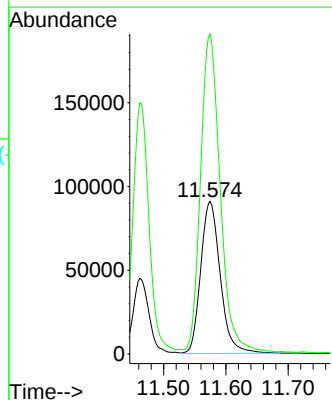
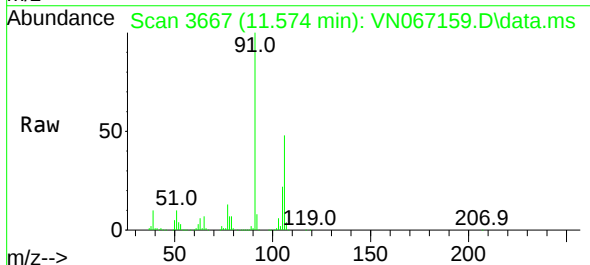
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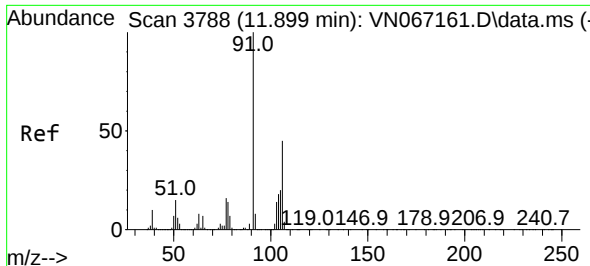
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#68  
m/p-Xylenes  
Concen: 35.42 ug/l  
RT: 11.574 min Scan# 3667  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 106 Resp: 198250  
Ion Ratio Lower Upper  
106 100  
91 210.0 155.2 232.8





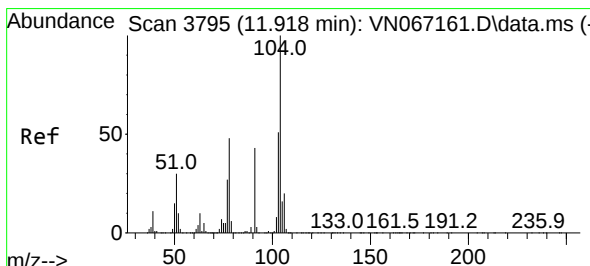
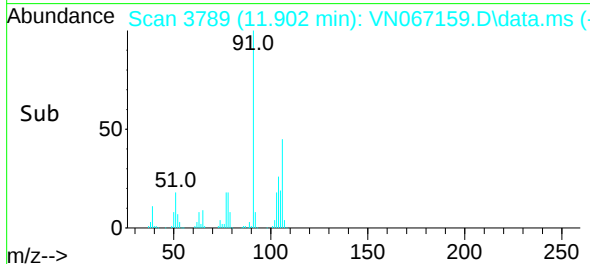
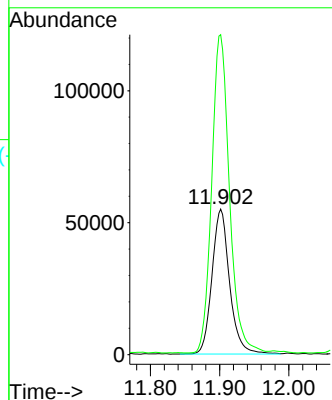
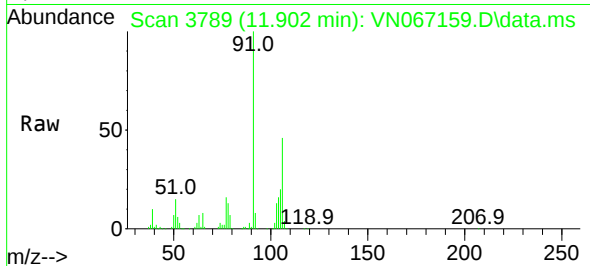
#69  
o-Xylene  
Concen: 17.23 ug/l  
RT: 11.902 min Scan# 3789  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion:106 Resp: 97325  
Ion Ratio Lower Upper  
106 100  
91 220.3 102.3 306.8

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

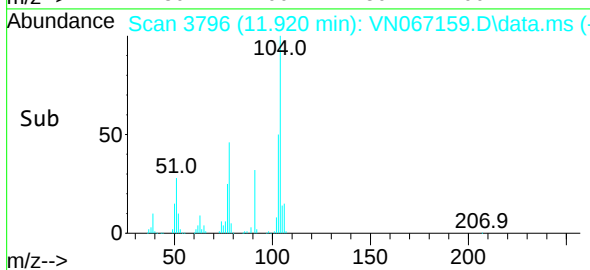
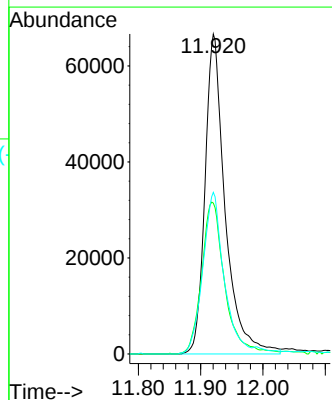
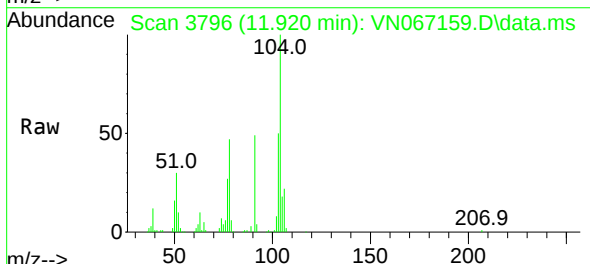
Manual Integrations  
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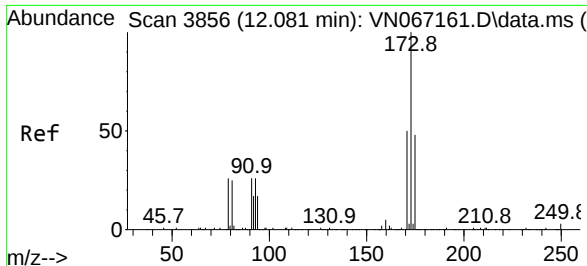
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#70  
Styrene  
Concen: 17.00 ug/l  
RT: 11.920 min Scan# 3796  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion:104 Resp: 149603  
Ion Ratio Lower Upper  
104 100  
78 53.5 37.7 56.5  
103 52.9 44.2 66.4





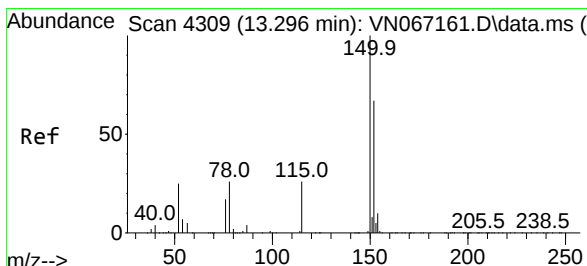
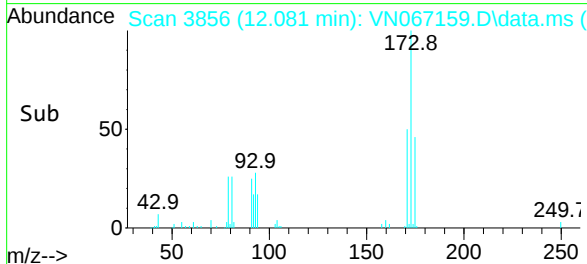
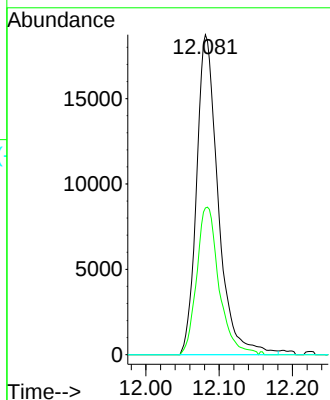
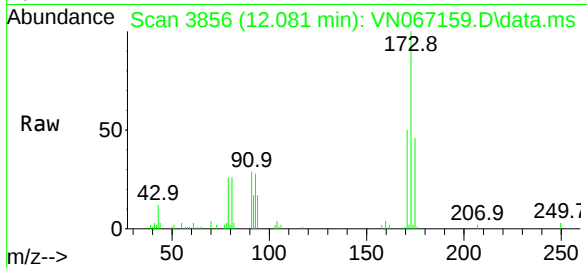
#71  
Bromoform  
Concen: 15.00 ug/l  
RT: 12.081 min Scan# 3856  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion:173 Resp: 38385  
Ion Ratio Lower Upper  
173 100  
175 47.6 24.3 73.0  
254 0.0 0.0 0.0

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

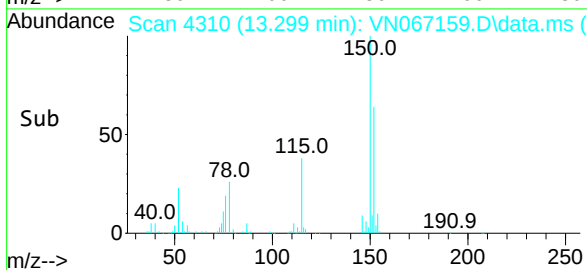
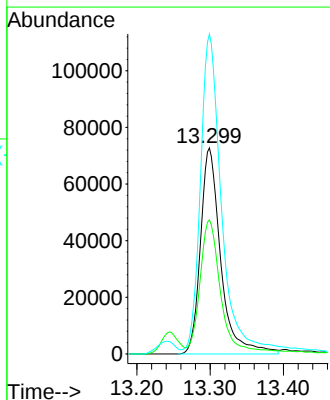
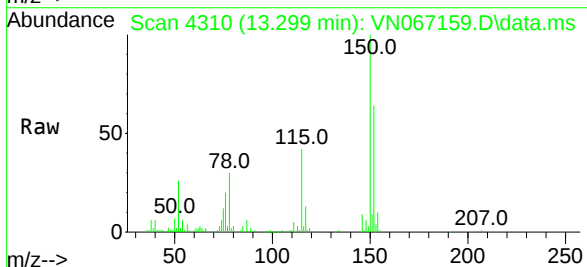
Manual Integrations  
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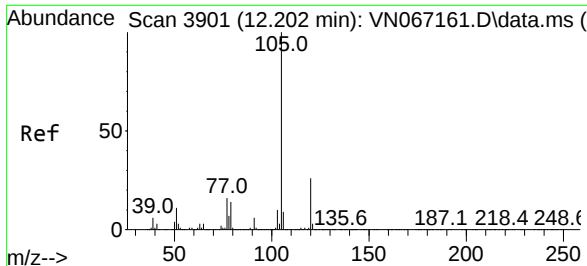
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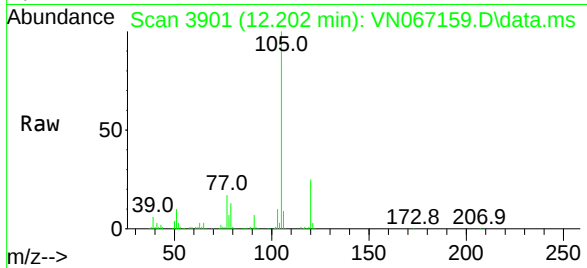
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.299 min Scan# 4310  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion:152 Resp: 139945  
Ion Ratio Lower Upper  
152 100  
115 63.5 27.0 80.8  
150 163.1 0.0 350.2

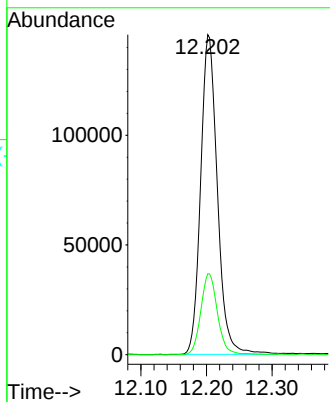
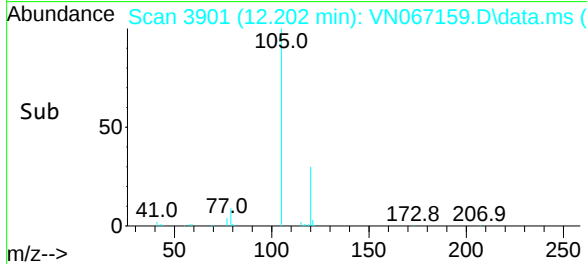




#73  
Isopropylbenzene  
Concen: 21.45 ug/l  
RT: 12.202 min Scan# 3901  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11



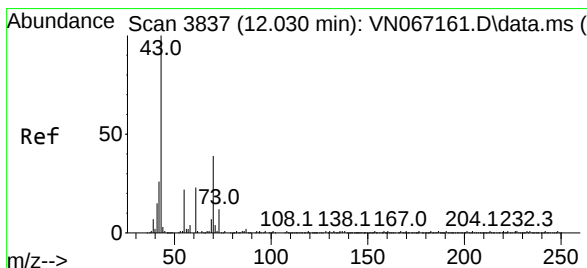
Tgt Ion: 105 Resp: 257472  
Ion Ratio Lower Upper  
105 100  
120 25.2 13.7 41.0



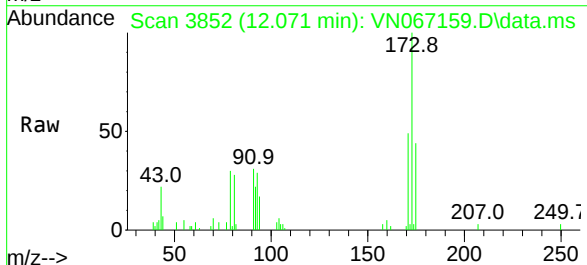
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

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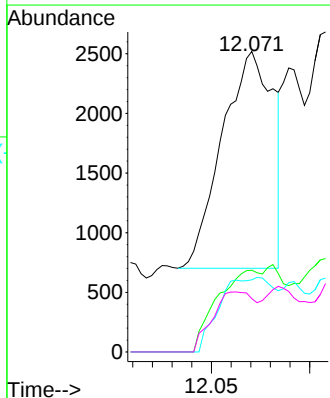
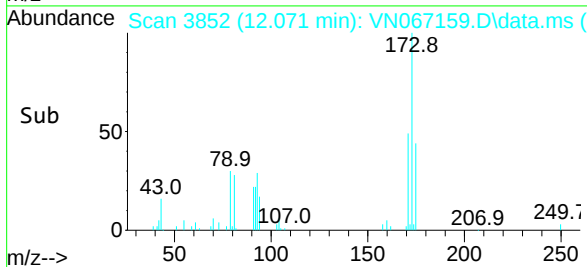
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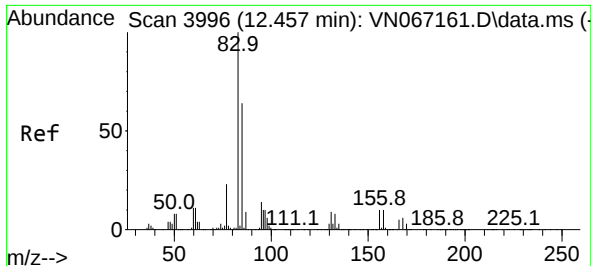


#74  
N-ethyl acetate  
Concen: 1.49 ug/l  
RT: 12.071 min Scan# 3852  
Delta R.T. 0.040 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11



Tgt Ion: 43 Resp: 3275  
Ion Ratio Lower Upper  
43 100  
70 33.1 36.7 55.1#  
55 16.7 17.6 26.4#  
61 22.8 18.9 28.3





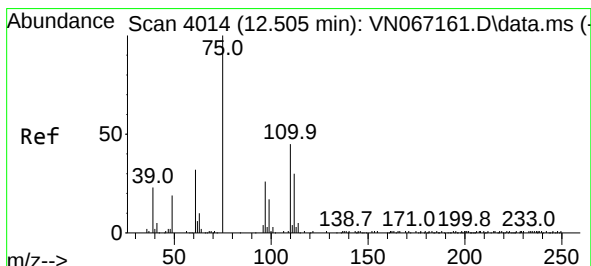
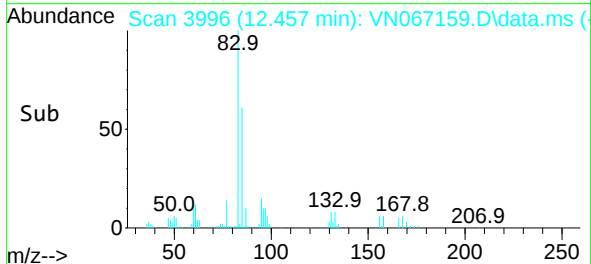
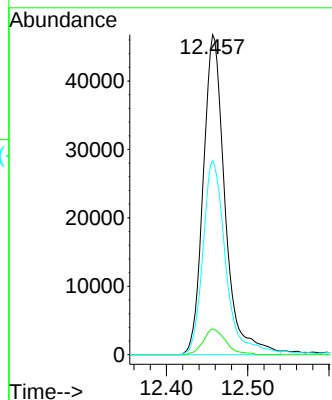
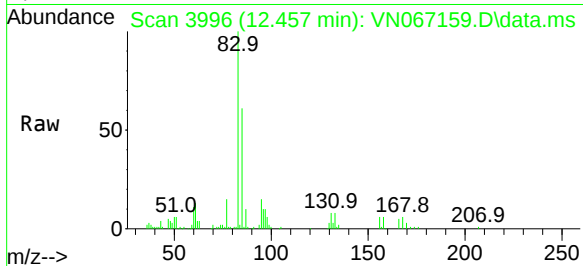
#75  
1,1,2,2-Tetrachloroethane  
Concen: 23.27 ug/l  
RT: 12.457 min Scan# 3996  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 131     | 8.4   | 5.3   | 16.1  |
| 85      | 63.4  | 32.6  | 97.8  |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

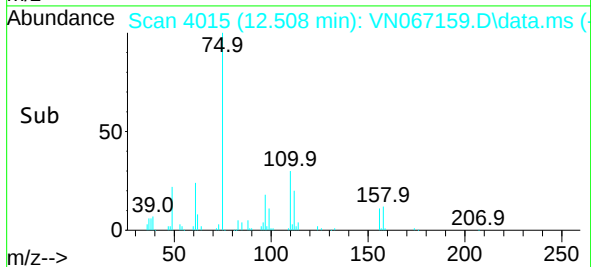
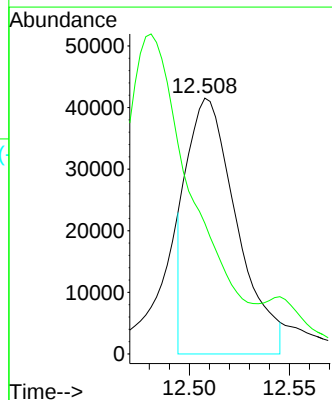
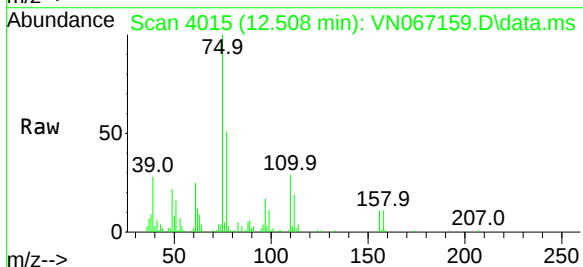
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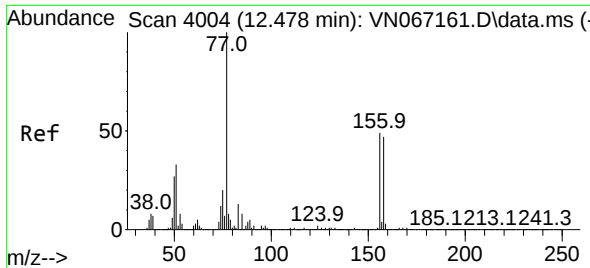
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#76  
1,2,3-Trichloropropane  
Concen: 22.94 ug/l m  
RT: 12.508 min Scan# 4015  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 0.0   | 0.0   | 0.0   |





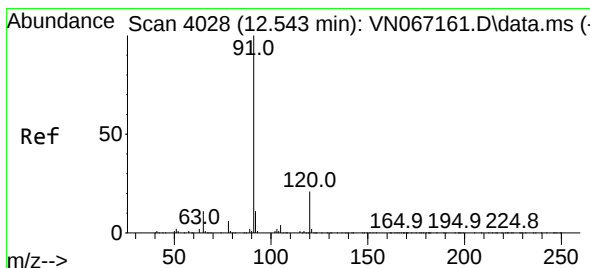
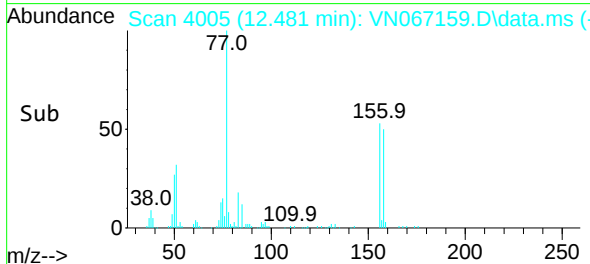
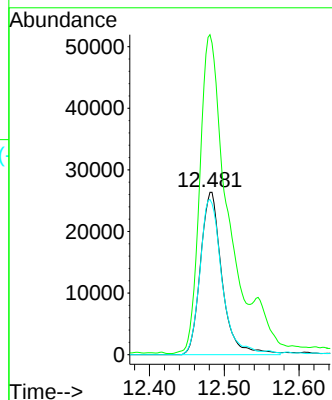
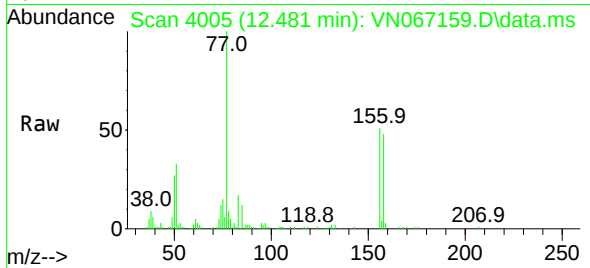
#77  
Bromobenzene  
Concen: 18.19 ug/l  
RT: 12.481 min Scan# 4005  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 238.9 | 87.9  | 263.8 |
| 158     | 97.5  | 49.0  | 147.2 |

Instrument :  
MSVOA\_N  
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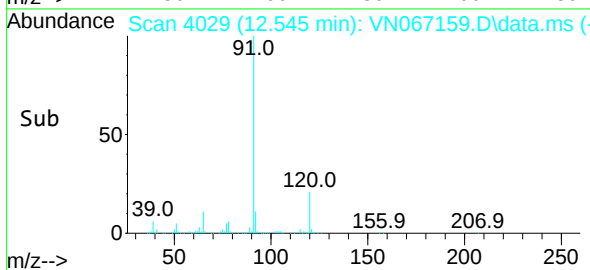
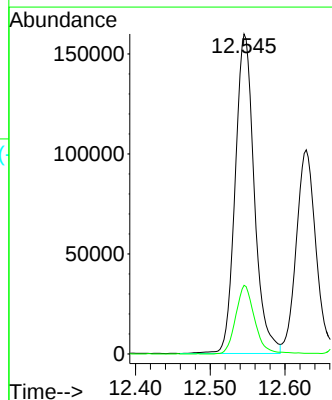
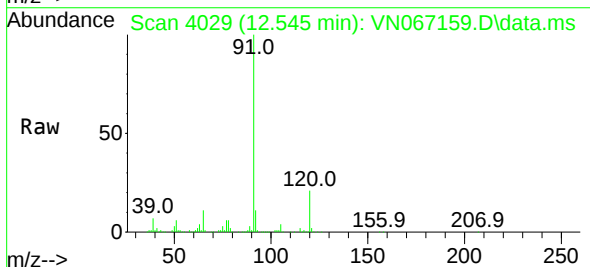
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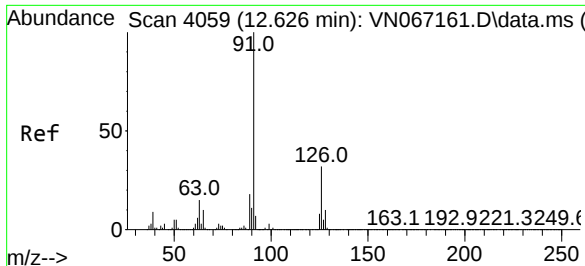
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#78  
n-propylbenzene  
Concen: 22.95 ug/l  
RT: 12.545 min Scan# 4029  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 21.4  | 12.7  | 38.0  |





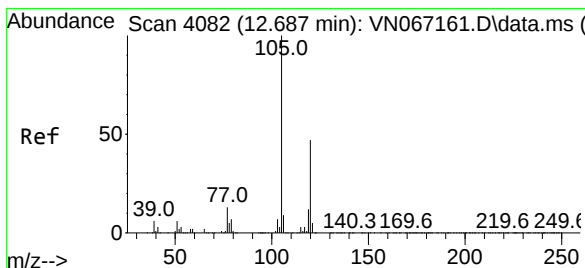
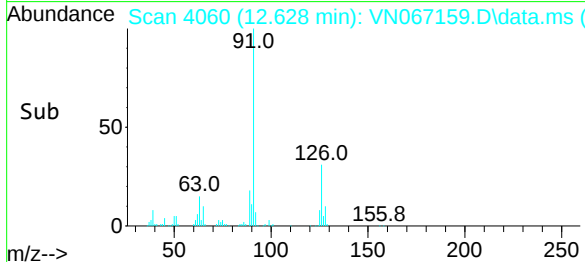
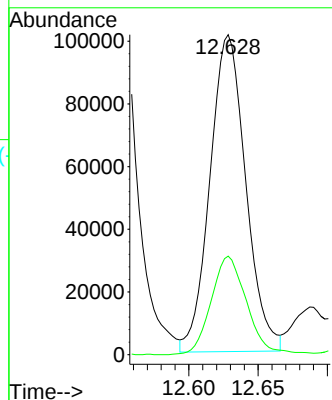
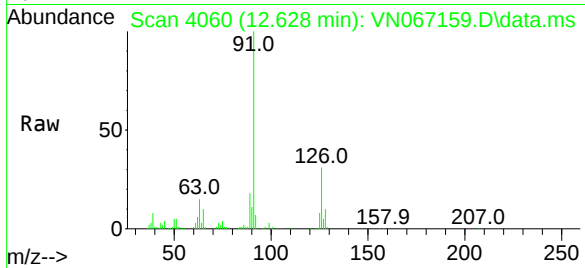
#79  
2-Chlorotoluene  
Concen: 22.31 ug/l  
RT: 12.628 min Scan# 4060  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 91 Resp: 181867  
Ion Ratio Lower Upper  
91 100  
126 31.0 18.3 54.8

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

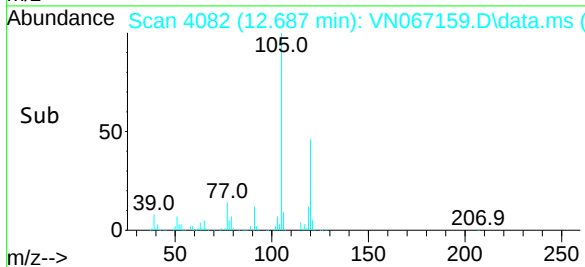
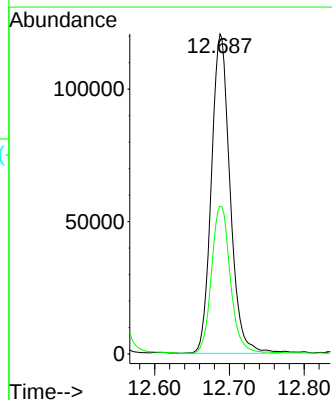
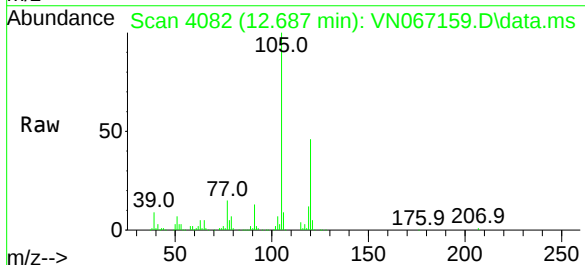
Manual Integrations  
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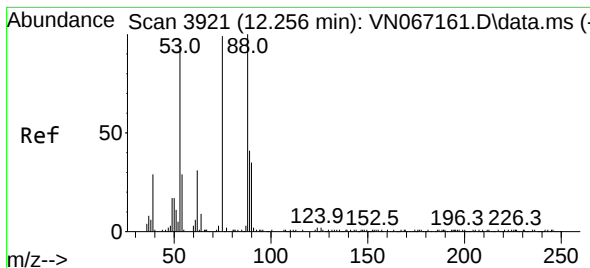
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5/24/2021 3:52:45 PM



#80  
1,3,5-Trimethylbenzene  
Concen: 20.89 ug/l  
RT: 12.687 min Scan# 4082  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion:105 Resp: 209046  
Ion Ratio Lower Upper  
105 100  
120 46.4 25.0 75.0





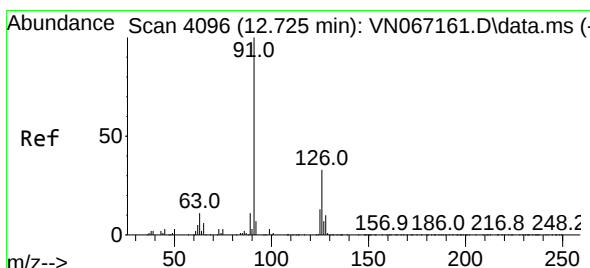
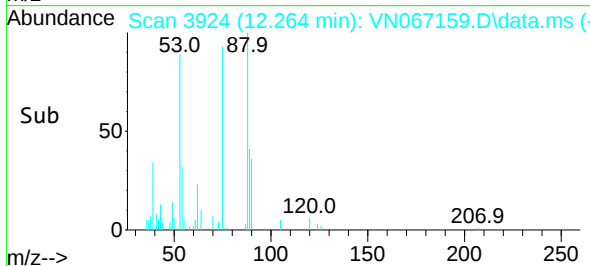
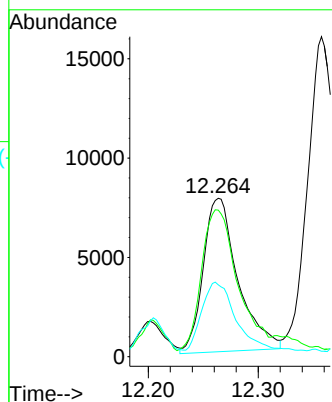
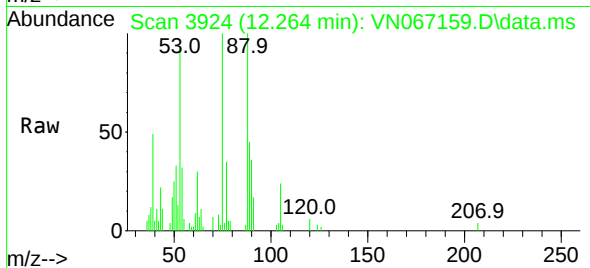
#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.90 ug/l  
RT: 12.264 min Scan# 3924  
Delta R.T. 0.008 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

Tgt Ion: 75 Resp: 16998  
Ion Ratio Lower Upper  
75 100  
53 95.1 66.3 99.5  
89 47.5 39.5 59.3

Instrument :  
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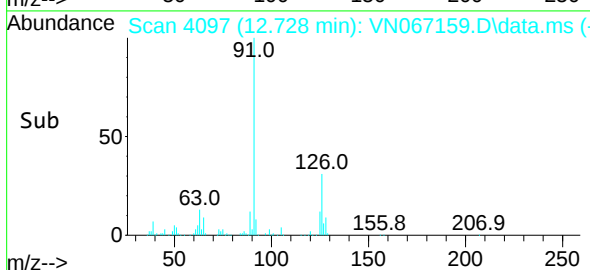
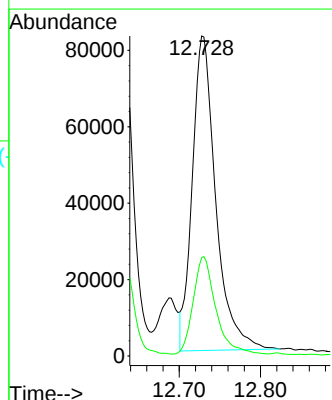
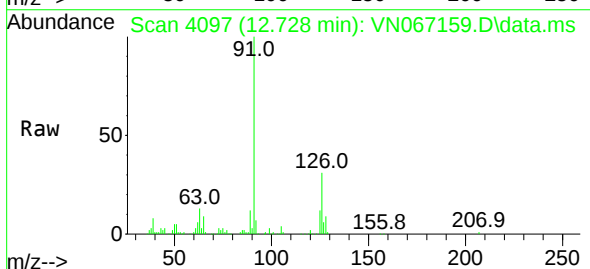
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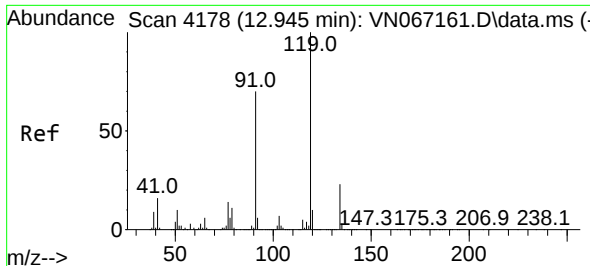
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#82  
4-Chlorotoluene  
Concen: 23.08 ug/l  
RT: 12.728 min Scan# 4097  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

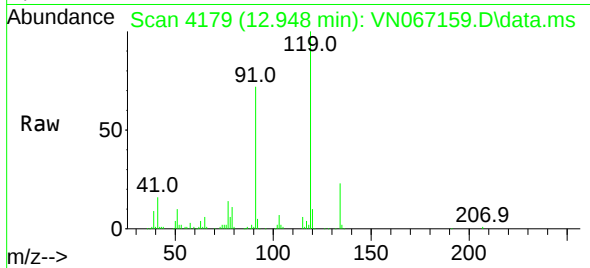
Tgt Ion: 91 Resp: 164889  
Ion Ratio Lower Upper  
91 100  
126 30.2 17.7 53.1





#83  
tert-Butylbenzene  
Concen: 18.81 ug/l  
RT: 12.948 min Scan# 4179  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

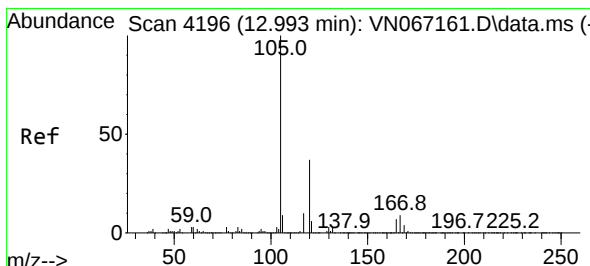
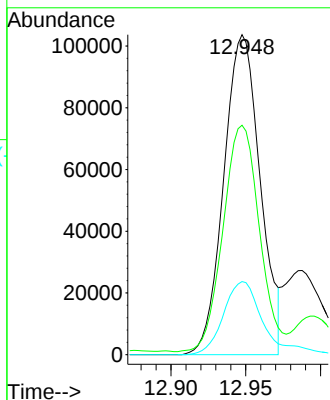
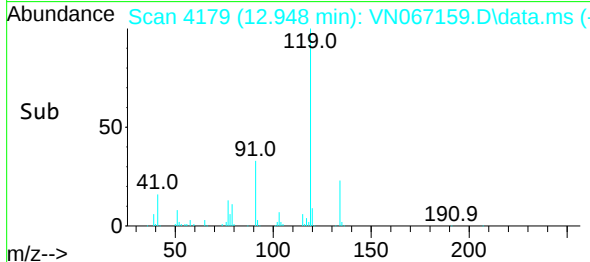
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020



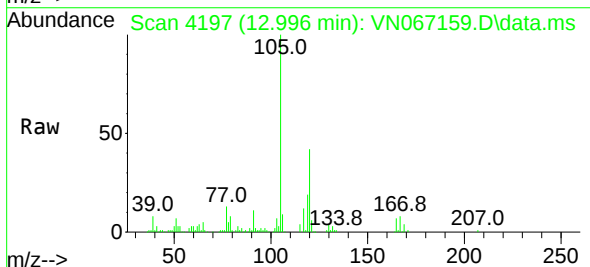
Tgt Ion:119 Resp: 175789  
Ion Ratio Lower Upper  
119 100  
91 70.7 30.2 90.6  
134 25.1 13.0 39.0

Manual Integrations  
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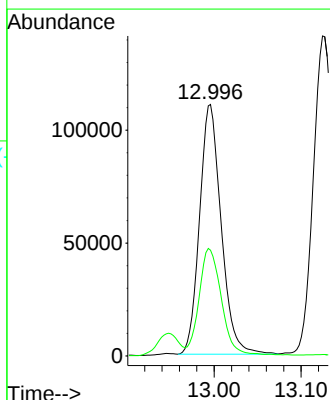
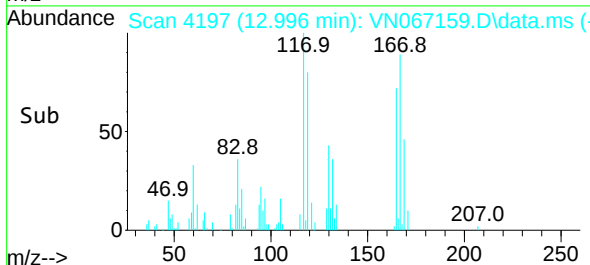
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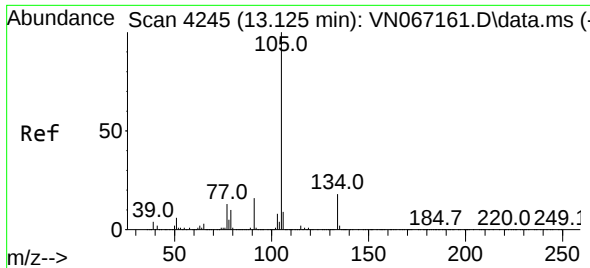


#84  
1,2,4-Trimethylbenzene  
Concen: 20.77 ug/l  
RT: 12.996 min Scan# 4197  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

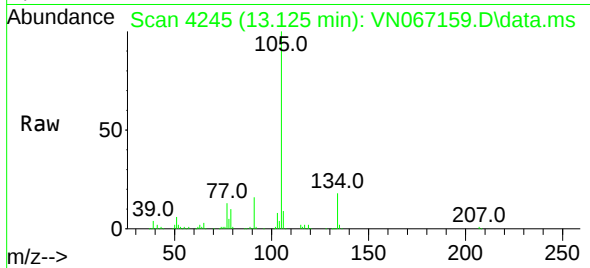


Tgt Ion:105 Resp: 191420  
Ion Ratio Lower Upper  
105 100  
120 43.1 23.8 71.2

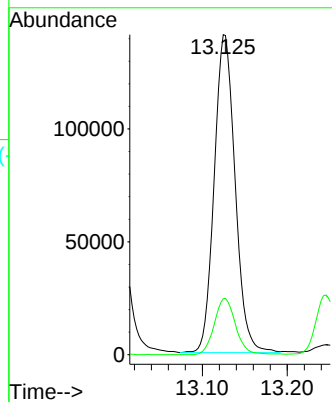
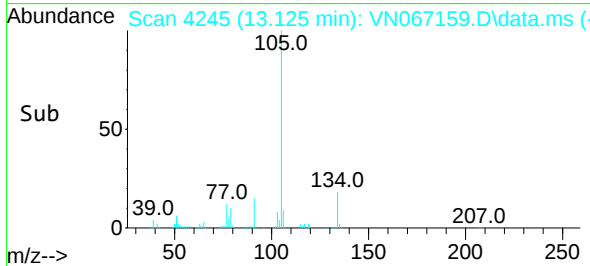




#85  
 sec-Butylbenzene  
 Concen: 21.33 ug/l  
 RT: 13.125 min Scan# 4245  
 Delta R.T. -0.000 min  
 Lab File: VN067159.D  
 Acq: 21 May 2021 15:11



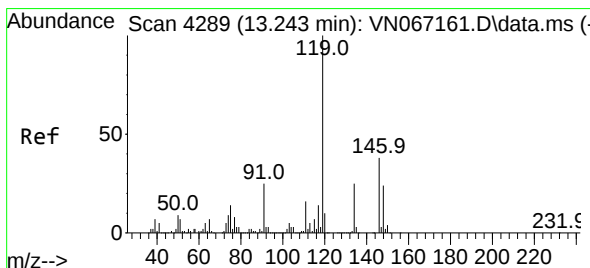
Tgt Ion:105 Resp: 240887  
 Ion Ratio Lower Upper  
 105 100  
 134 18.1 10.5 31.5



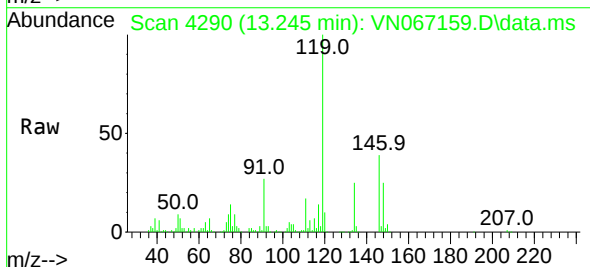
Instrument :  
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 ClientSampleId :  
 VSTDIC020

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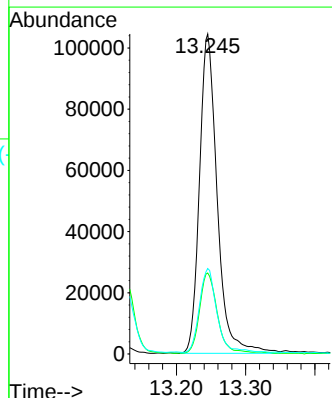
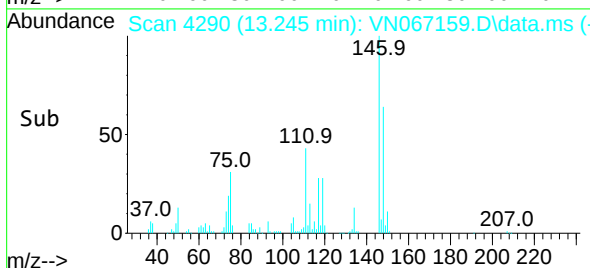
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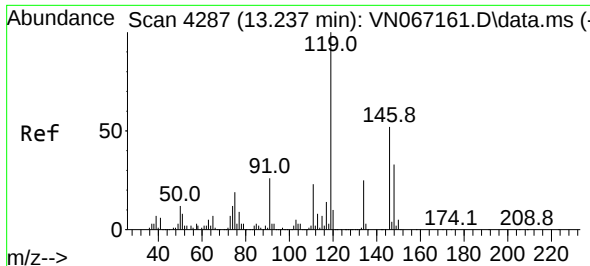


#86  
 p-Isopropyltoluene  
 Concen: 19.19 ug/l  
 RT: 13.245 min Scan# 4290  
 Delta R.T. 0.003 min  
 Lab File: VN067159.D  
 Acq: 21 May 2021 15:11



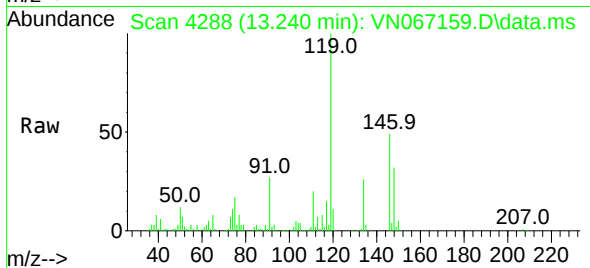
Tgt Ion:119 Resp: 185533  
 Ion Ratio Lower Upper  
 119 100  
 134 24.8 13.3 39.9  
 91 25.7 10.7 32.1





#87  
1,3-Dichlorobenzene  
Concen: 18.24 ug/l  
RT: 13.240 min Scan# 4288  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

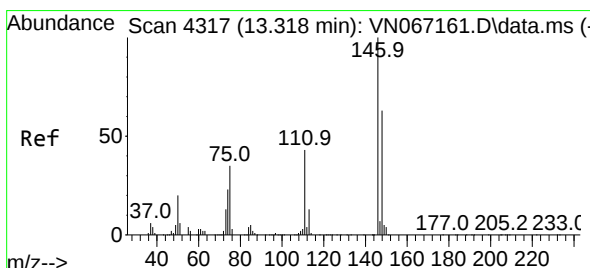
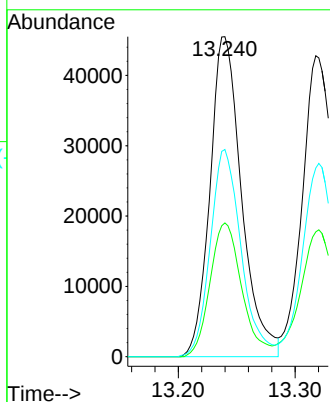
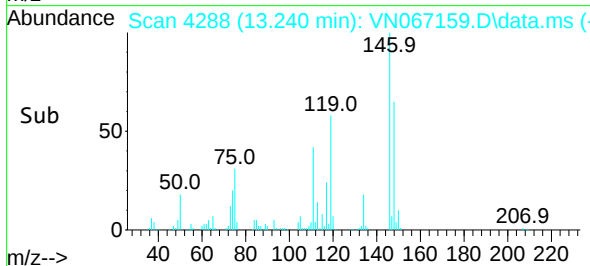
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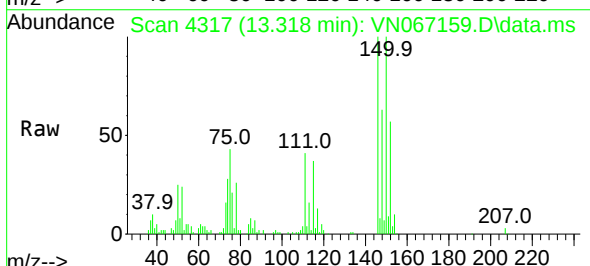
Tgt Ion:146 Resp: 85640  
Ion Ratio Lower Upper  
146 100  
111 41.9 19.3 57.8  
148 63.2 32.0 96.2

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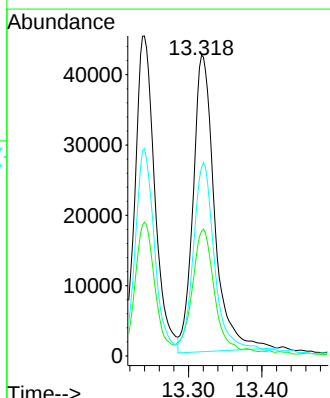
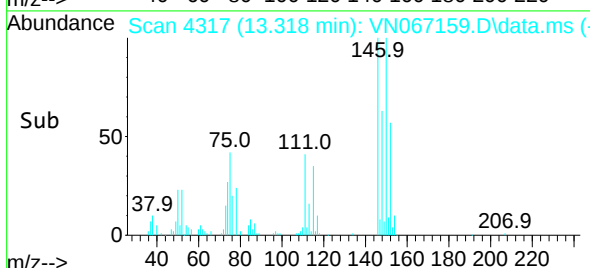
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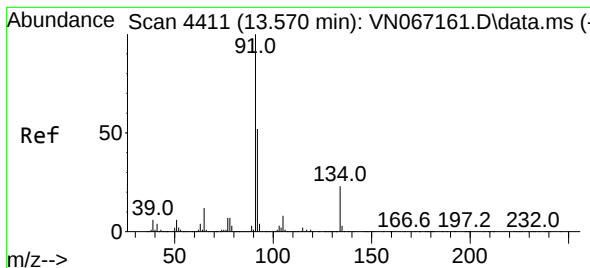


#88  
1,4-Dichlorobenzene  
Concen: 17.62 ug/l  
RT: 13.318 min Scan# 4317  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
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Tgt Ion:146 Resp: 86095  
Ion Ratio Lower Upper  
146 100  
111 40.9 18.5 55.5  
148 64.0 31.4 94.3





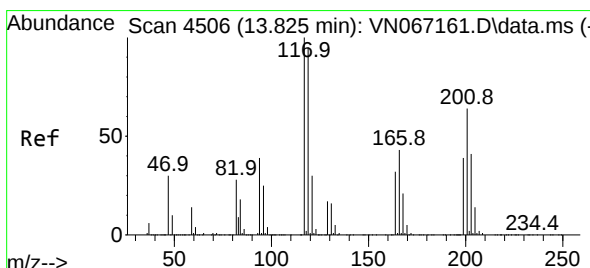
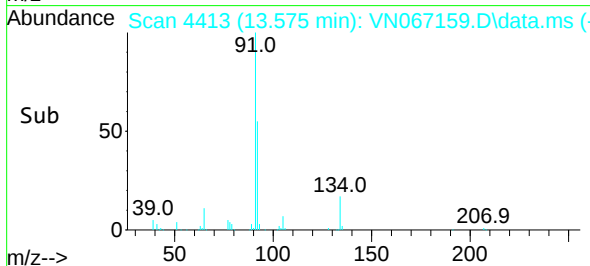
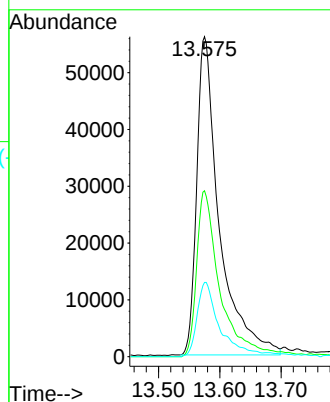
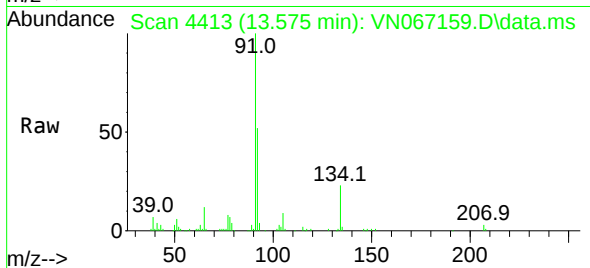
#89  
n-Butylbenzene  
Concen: 19.12 ug/l  
RT: 13.575 min Scan# 4413  
Delta R.T. 0.005 min  
Lab File: VN067159.D  
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Tgt Ion: 91 Resp: 143218  
Ion Ratio Lower Upper  
91 100  
92 54.2 26.5 79.5  
134 23.3 14.3 42.9

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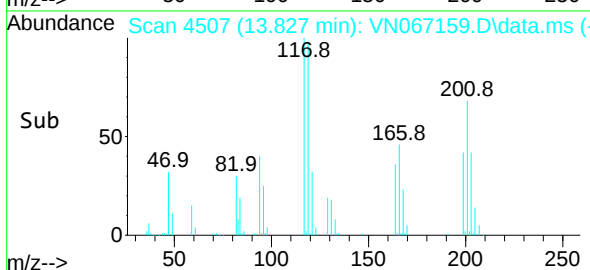
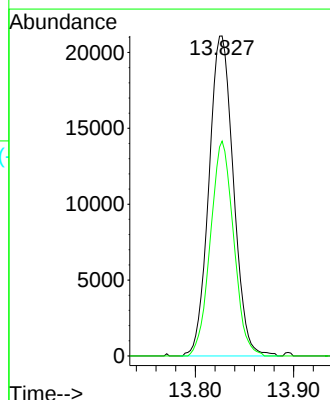
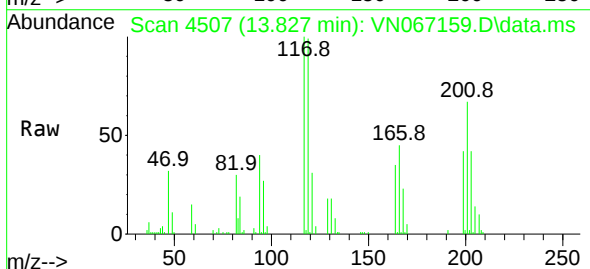
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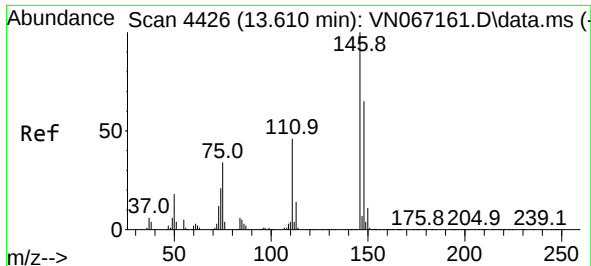
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#90  
Hexachloroethane  
Concen: 20.55 ug/l  
RT: 13.827 min Scan# 4507  
Delta R.T. 0.003 min  
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Tgt Ion: 117 Resp: 36587  
Ion Ratio Lower Upper  
117 100  
201 63.6 45.5 136.5





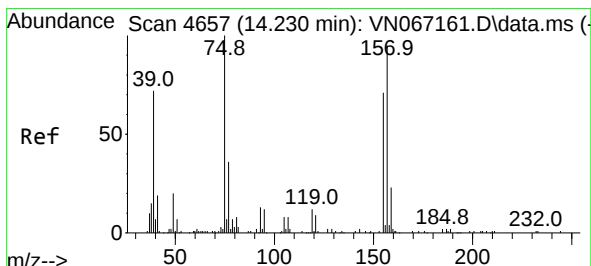
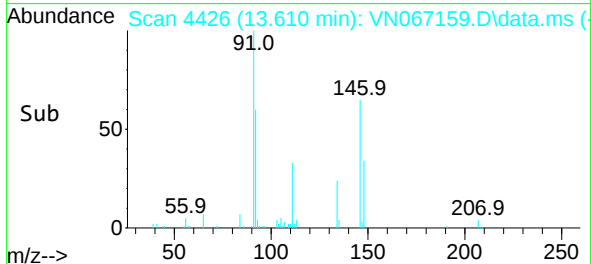
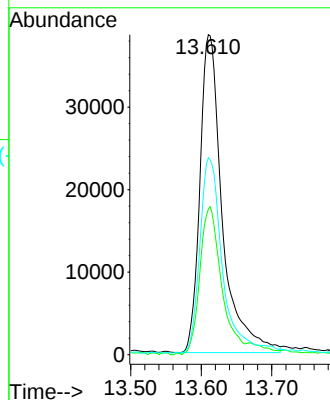
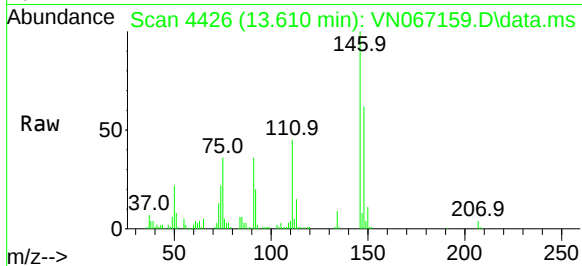
#91  
1,2-Dichlorobenzene  
Concen: 17.54 ug/l  
RT: 13.610 min Scan# 4426  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 44.5  | 19.8  | 59.3  |
| 148     | 62.4  | 31.7  | 95.1  |

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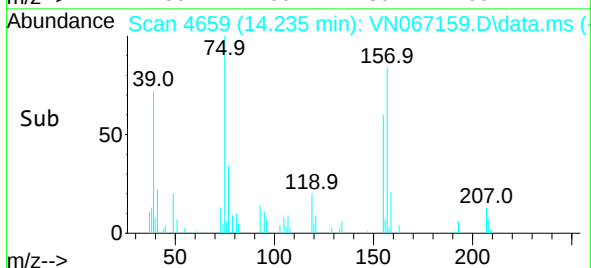
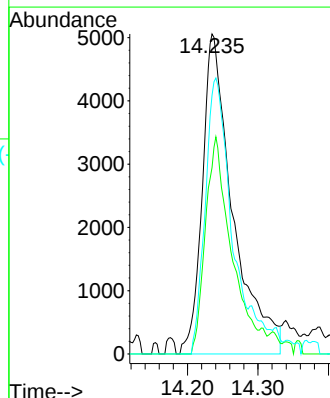
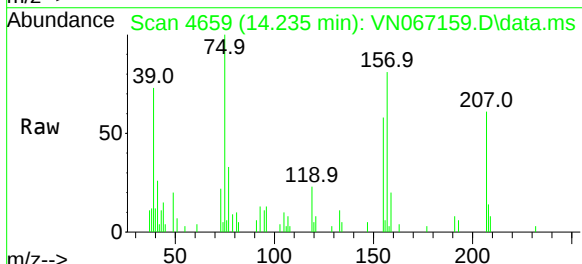
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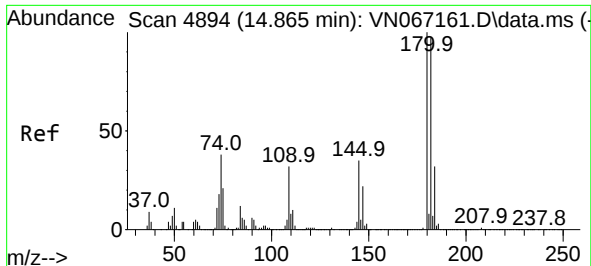
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#92  
1,2-Dibromo-3-Chloropropane  
Concen: 26.75 ug/l  
RT: 14.235 min Scan# 4659  
Delta R.T. 0.005 min  
Lab File: VN067159.D  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 56.8  | 49.9  | 149.7 |
| 157     | 70.3  | 63.8  | 191.4 |





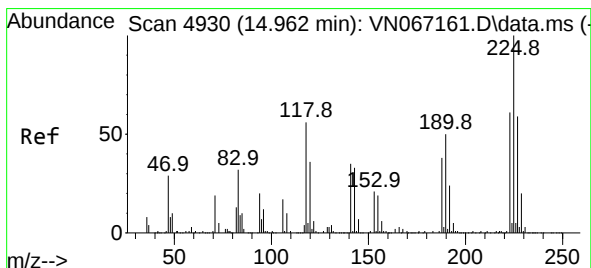
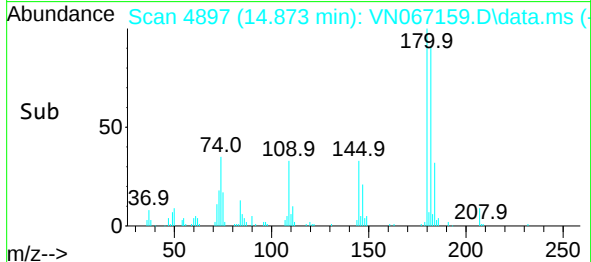
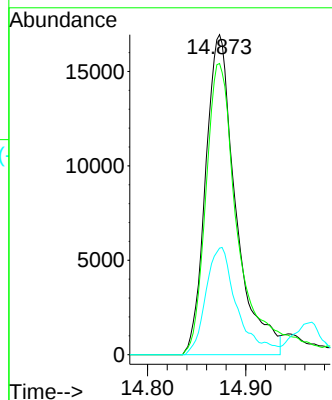
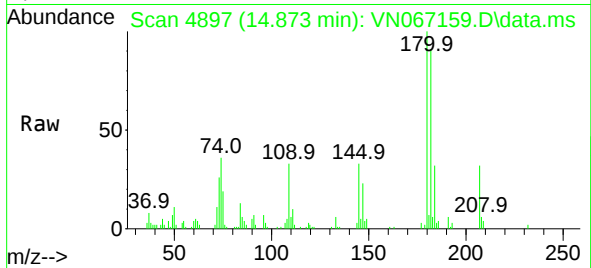
#93  
1,2,4-Trichlorobenzene  
Concen: 14.95 ug/l  
RT: 14.873 min Scan# 4897  
Delta R.T. 0.008 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 98.8  | 47.3  | 141.8 |
| 145     | 33.1  | 14.0  | 42.0  |

Instrument :  
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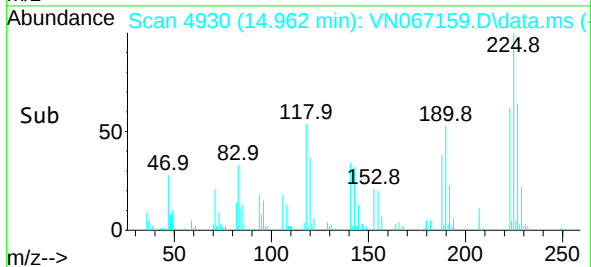
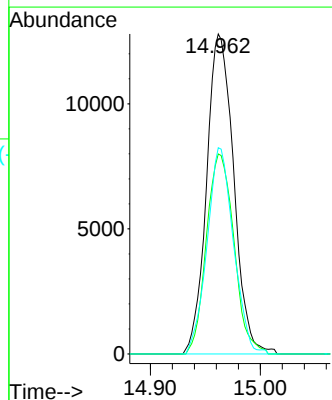
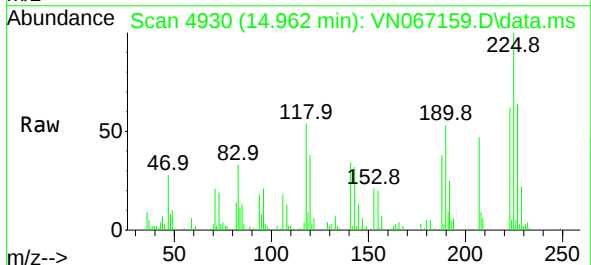
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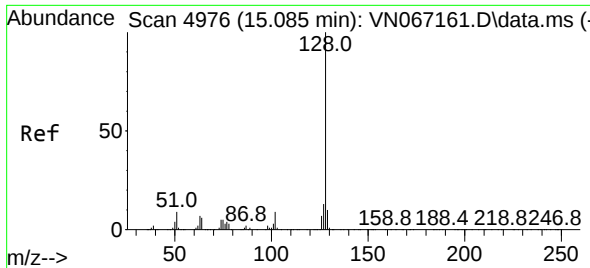
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#94  
Hexachlorobutadiene  
Concen: 13.43 ug/l  
RT: 14.962 min Scan# 4930  
Delta R.T. -0.000 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.5  | 31.7  | 95.1  |
| 227     | 62.8  | 31.7  | 95.1  |





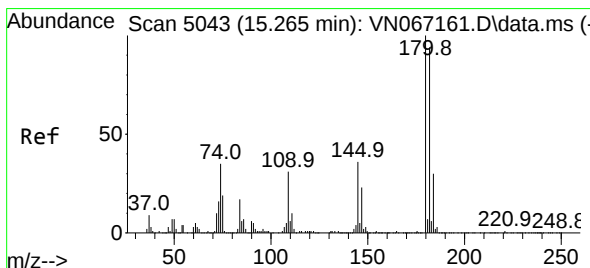
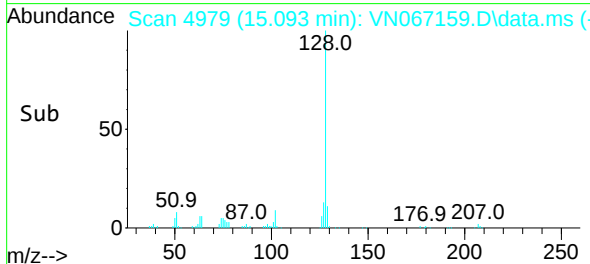
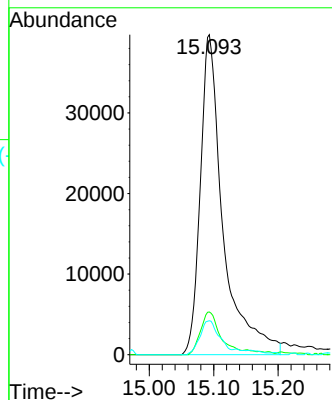
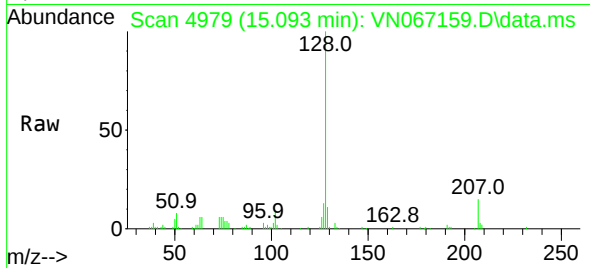
#95  
Naphthalene  
Concen: 18.65 ug/l  
RT: 15.093 min Scan# 4979  
Delta R.T. 0.008 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 97487 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 11.7  | 10.2  | 15.2  |
| 129       | 9.1   | 8.6   | 13.0  |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

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#96  
1,2,3-Trichlorobenzene  
Concen: 16.43 ug/l  
RT: 15.267 min Scan# 5044  
Delta R.T. 0.003 min  
Lab File: VN067159.D  
Acq: 21 May 2021 15:11

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 36899 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 90.2  | 48.5  | 145.6 |
| 145       | 35.6  | 15.4  | 46.2  |

