

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN010721\  
 Data File : VN065431.D  
 Acq On : 7 Jan 2021 16:54  
 Operator : JC/MD  
 Sample : M1022-12  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 30732

Quant Time: Jan 08 01:19:28 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122220W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 22 15:42:18 2020  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) Pentafluorobenzene      | 7.631  | 168  | 310913   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.553  | 114  | 514713   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.380 | 117  | 551478   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.315 | 152  | 292763   | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 7.991  | 65    | 178247   | 50.78    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =    | 101.56% |
| 35) Dibromofluoromethane    | 7.553  | 113   | 154849   | 49.87    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =    | 99.74%  |
| 50) Toluene-d8              | 10.058 | 98    | 630835   | 54.20    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =    | 108.40% |
| 62) 4-Bromofluorobenzene    | 12.376 | 95    | 277261   | 59.19    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =    | 118.38% |

|                               |        |     |         |        |           |
|-------------------------------|--------|-----|---------|--------|-----------|
| Target Compounds              |        |     |         |        | Qvalue    |
| 11) Tert butyl alcohol        | 4.779  | 59  | 69870   | 121.66 | ug/l 99   |
| 13) Acrolein                  | 3.579  | 56  | 1439    | 6.08   | ug/l # 41 |
| 14) Allyl chloride            | 4.229  | 41  | 22733   | 4.52   | ug/l # 44 |
| 16) Acetone                   | 3.791  | 43  | 414384  | 282.75 | ug/l 99   |
| 17) Carbon Disulfide          | 4.010  | 76  | 1991    | 0.25   | ug/l # 75 |
| 18) Methyl Acetate            | 4.296  | 43  | 19448   | 6.17   | ug/l 98   |
| 19) Methyl tert-butyl Ether   | 5.016  | 73  | 1951    | 0.20   | ug/l # 69 |
| 20) Methylene Chloride        | 4.508  | 84  | 837     | 0.24   | ug/l 95   |
| 25) 2-Butanone                | 6.804  | 43  | 77209   | 39.18  | ug/l 98   |
| 26) 2,2-Dichloropropane       | 6.618  | 77  | 3504    | 0.67   | ug/l # 52 |
| 28) Bromochloromethane        | 7.184  | 49  | 362     | 0.79   | ug/l # 10 |
| 29) Tetrahydrofuran           | 7.177  | 42  | 5443    | 4.27   | ug/l # 72 |
| 31) Cyclohexane               | 7.634  | 56  | 6159    | 1.19   | ug/l # 12 |
| 36) 1,1-Dichloropropene       | 7.631  | 75  | 19561   | 4.18   | ug/l # 49 |
| 37) Ethyl Acetate             | 6.897  | 43  | 13029   | 2.81   | ug/l # 76 |
| 38) Carbon Tetrachloride      | 7.631  | 117 | 26673   | 5.43   | ug/l # 15 |
| 40) Benzene                   | 8.004  | 78  | 3726541 | 267.66 | ug/l 94   |
| 41) Methacrylonitrile         | 7.174  | 41  | 15498   | 6.42   | ug/l # 41 |
| 42) 1,2-Dichloroethane        | 8.004  | 62  | 32628   | 6.34   | ug/l 74   |
| 45) 1,2-Dichloropropane       | 9.103  | 63  | 784     | 0.22   | ug/l # 43 |
| 48) Methyl methacrylate       | 9.135  | 41  | 39126   | 10.08  | ug/l # 37 |
| 49) 1,4-Dioxane               | 9.171  | 88  | 477     | 7.58   | ug/l # 26 |
| 51) 4-Methyl-2-Pentanone      | 9.955  | 43  | 24574   | 5.47   | ug/l 98   |
| 52) Toluene                   | 10.126 | 92  | 1818475 | 207.23 | ug/l 97   |
| 53) t-1,3-Dichloropropene     | 10.241 | 75  | 3974    | 0.68   | ug/l # 1  |
| 55) 1,1,2-Trichloroethane     | 10.383 | 97  | 44997   | 12.96  | ug/l # 17 |
| 56) Ethyl methacrylate        | 10.386 | 69  | 3735    | 0.69   | ug/l # 27 |
| 58) 2-Chloroethyl Vinyl ether | 9.675  | 63  | 679     | 0.29   | ug/l # 46 |
| 59) 2-Hexanone                | 10.727 | 43  | 4775    | 1.44   | ug/l 85   |
| 67) Ethyl Benzene             | 11.482 | 91  | 780003  | 38.56  | ug/l 100  |
| 68) m/p-Xylenes               | 11.589 | 106 | 1171853 | 153.78 | ug/l 99   |
| 69) o-Xylene                  | 11.920 | 106 | 1186400 | 160.38 | ug/l 99   |
| 70) Styrene                   | 11.936 | 104 | 1336924 | 108.32 | ug/l 95   |
| 71) Bromoform                 | 12.376 | 173 | 2071    | 0.55   | ug/l # 1  |
| 73) Isopropylbenzene          | 12.222 | 105 | 43783   | 1.96   | ug/l 99   |
| 74) N-amyl acetate            | 12.023 | 43  | 49965   | 5.63   | ug/l # 53 |

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 Operator : JC/MD  
 Sample : M1022-12  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

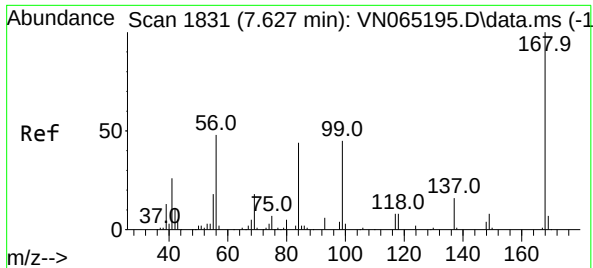
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 30732

Quant Time: Jan 08 01:19:28 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122220W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 22 15:42:18 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| 75) 1,1,2,2-Tetrachloroethane | 12.434 | 83   | 7053     | 1.17   | ug/l # | 35       |
| 76) 1,2,3-Trichloropropane    | 12.553 | 75   | 10270    | 1.72   | ug/l # | 100      |
| 78) n-propylbenzene           | 12.563 | 91   | 50799    | 2.02   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.627 | 91   | 45919    | 3.10   | ug/l # | 59       |
| 80) 1,3,5-Trimethylbenzene    | 12.708 | 105  | 575420   | 30.26  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.373 | 75   | 137346   | 57.98  | ug/l # | 15       |
| 82) 4-Chlorotoluene           | 12.708 | 91   | 60504    | 3.96   | ug/l # | 41       |
| 83) tert-Butylbenzene         | 13.013 | 119  | 151879   | 9.38   | ug/l # | 66       |
| 84) 1,2,4-Trimethylbenzene    | 13.013 | 105  | 1319238  | 71.26  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.013 | 105  | 1319238  | 61.38  | ug/l # | 56       |
| 86) p-Isopropyltoluene        | 13.232 | 119  | 60990    | 3.10   | ug/l # | 72       |
| 89) n-Butylbenzene            | 13.518 | 91   | 70723    | 4.20   | ug/l # | 47       |
| 90) Hexachloroethane          | 13.997 | 117  | 27818    | 8.21   | ug/l # | 9        |
| 92) 1,2-Dibromo-3-Chloropr... | 14.248 | 75   | 5979     | 4.83   | ug/l # | 1        |
| 93) 1,2,4-Trichlorobenzene    | 14.875 | 180  | 29       | 2.84   | ug/l # | 1        |
| 95) Naphthalene               | 15.103 | 128  | 11054633 | 682.90 | ug/l # | 63       |
| 96) 1,2,3-Trichlorobenzene    | 15.248 | 180  | 64       | 3.23   | ug/l # | 1        |
| -----                         |        |      |          |        |        |          |

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

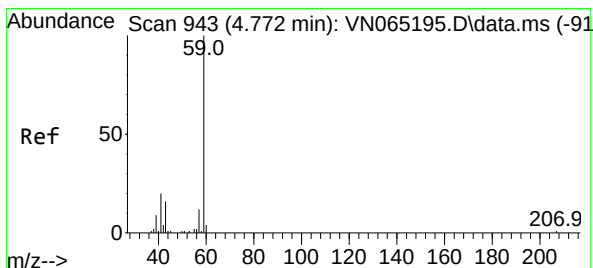
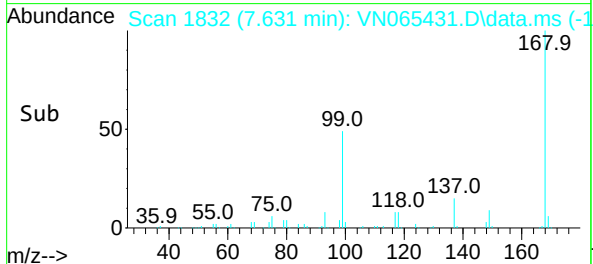
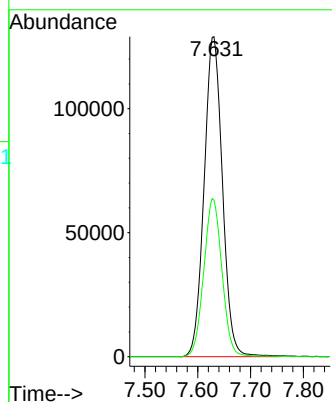
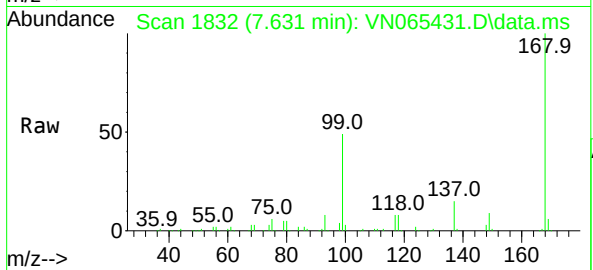




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.631 min Scan# 1832  
Delta R.T. 0.004 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

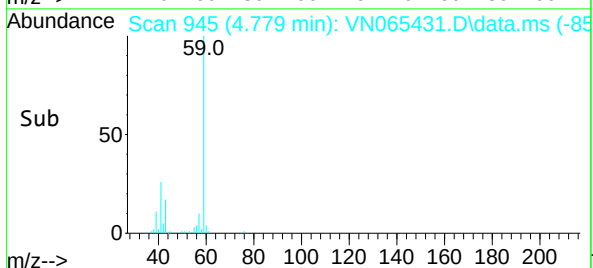
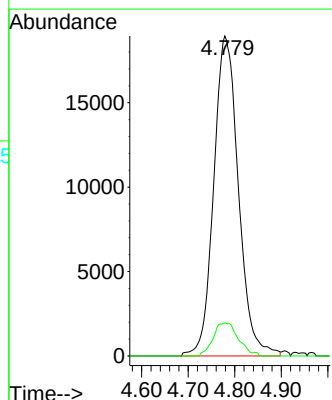
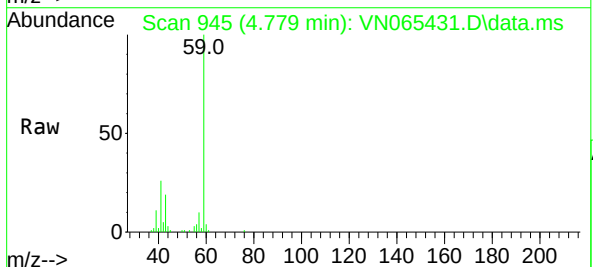
Instrument :  
MSVOA\_N  
ClientSampleId :  
30732

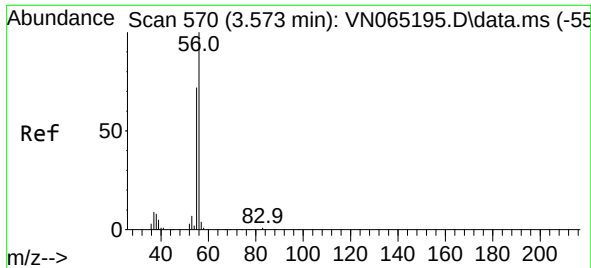
Tgt Ion:168 Resp: 310913  
Ion Ratio Lower Upper  
168 100  
99 48.9 43.0 64.4



#11  
Tert butyl alcohol  
Concen: 121.66 ug/l  
RT: 4.779 min Scan# 945  
Delta R.T. 0.007 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

Tgt Ion: 59 Resp: 69870  
Ion Ratio Lower Upper  
59 100  
57 10.3 7.9 11.9

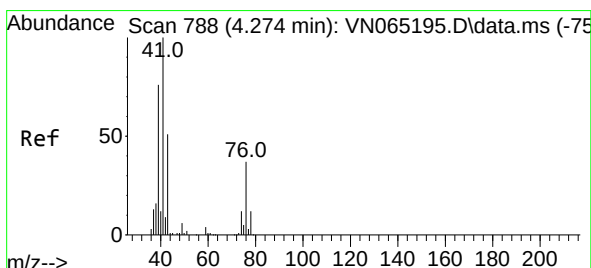
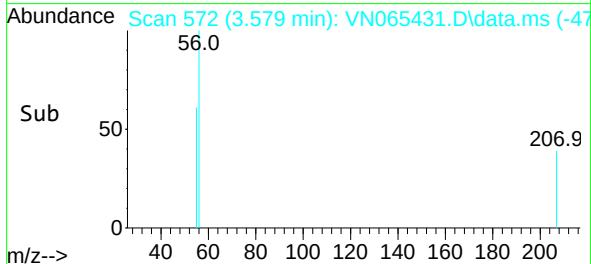
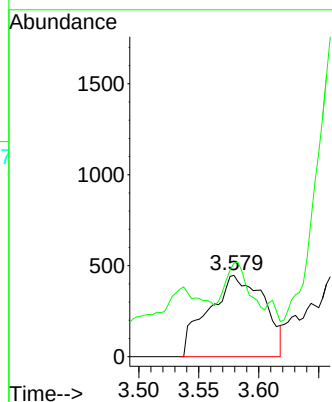
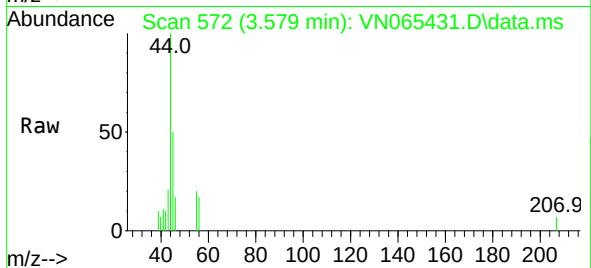




#13  
Acrolein  
Concen: 6.08 ug/l  
RT: 3.579 min Scan# 572  
Delta R.T. 0.006 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

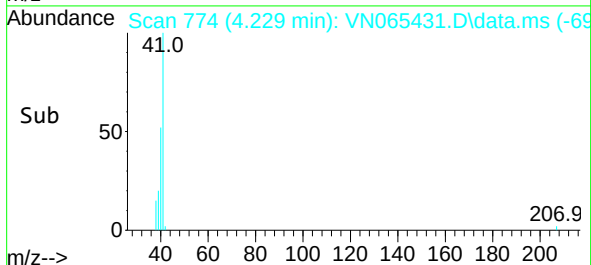
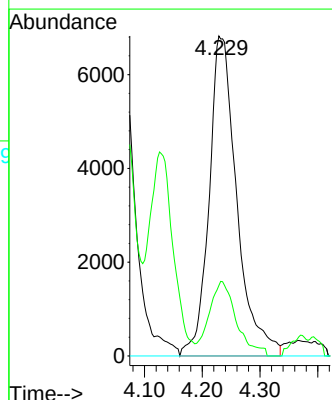
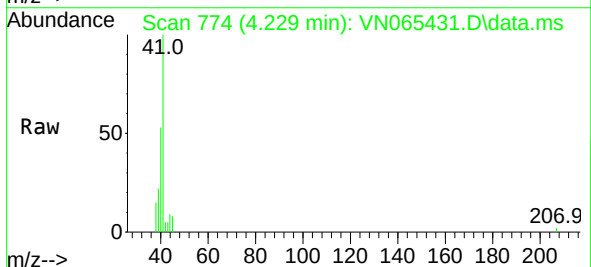
Instrument :  
MSVOA\_N  
ClientSampleId :  
30732

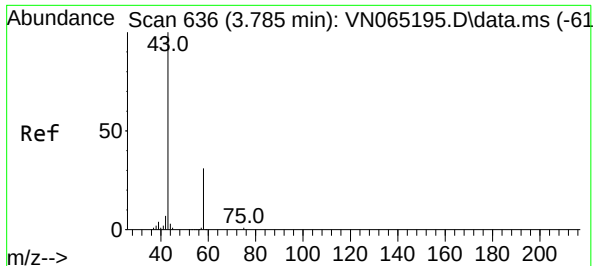
Tgt Ion: 56 Resp: 1439  
Ion Ratio Lower Upper  
56 100  
55 22.1 56.5 84.7#



#14  
Allyl chloride  
Concen: 4.52 ug/l  
RT: 4.229 min Scan# 774  
Delta R.T. -0.045 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

Tgt Ion: 41 Resp: 22733  
Ion Ratio Lower Upper  
41 100  
39 22.9 50.9 76.3#  
76 0.0 29.0 43.4#

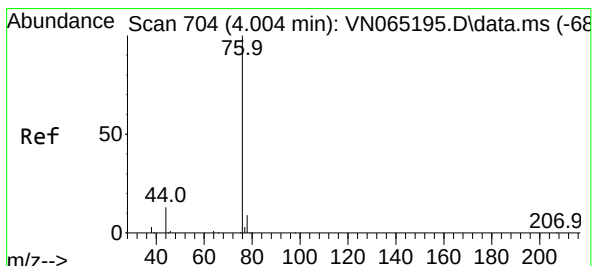
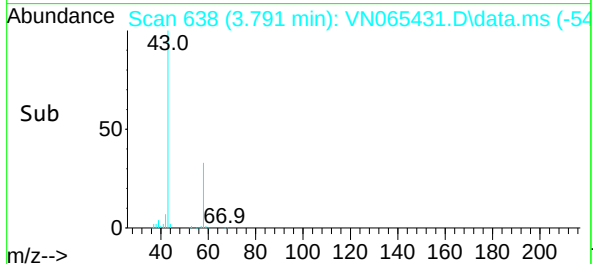
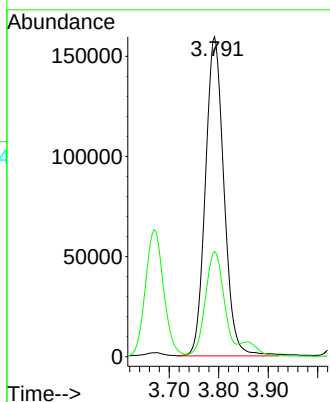
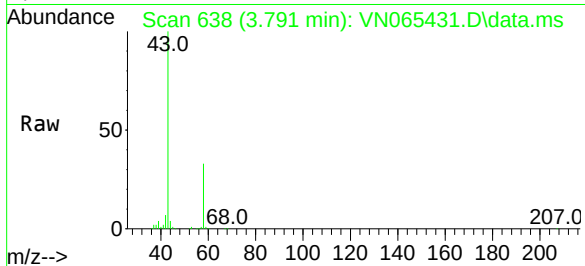




#16  
Acetone  
Concen: 282.75 ug/l  
RT: 3.791 min Scan# 638  
Delta R.T. 0.006 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

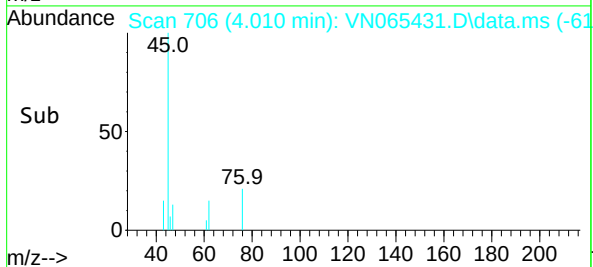
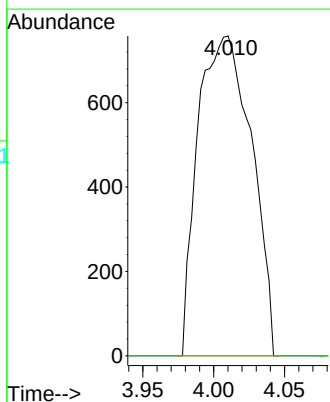
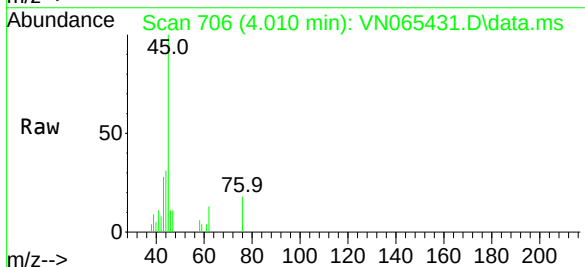
Instrument :  
MSVOA\_N  
ClientSampleId :  
30732

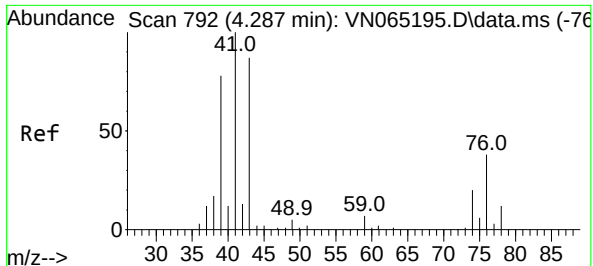
Tgt Ion: 43 Resp: 414384  
Ion Ratio Lower Upper  
43 100  
58 32.6 25.7 38.5



#17  
Carbon Disulfide  
Concen: 0.25 ug/l  
RT: 4.010 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

Tgt Ion: 76 Resp: 1991  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: 6.17 ug/l

RT: 4.296 min Scan# 795

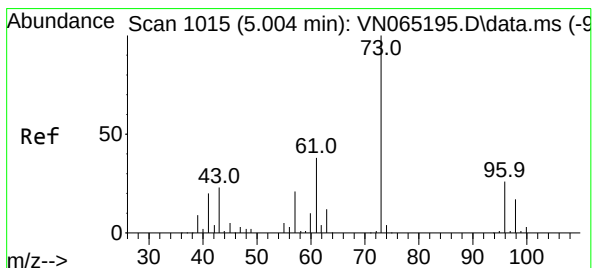
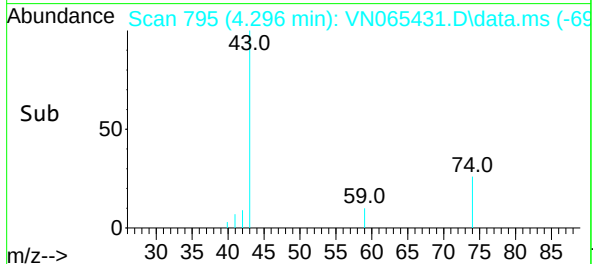
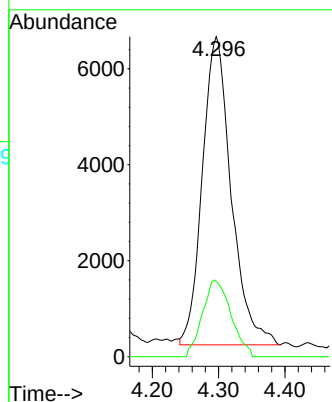
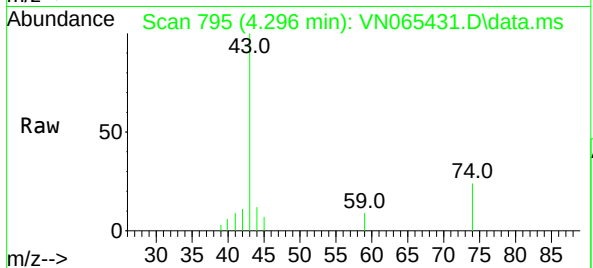
Delta R.T. 0.009 min

Lab File: VN065431.D

Acq: 7 Jan 2021 16:54

Instrument :  
MSVOA\_N  
ClientSampled :  
30732

Tgt Ion: 43 Resp: 19448  
Ion Ratio Lower Upper  
43 100  
74 24.4 20.2 30.2



#19

Methyl tert-butyl Ether

Concen: 0.20 ug/l

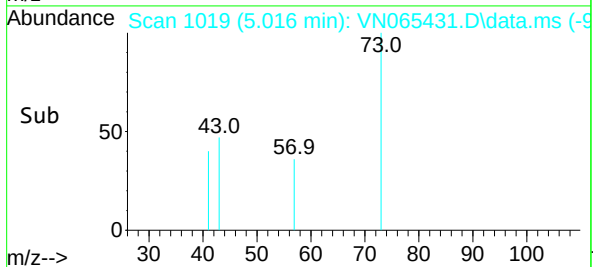
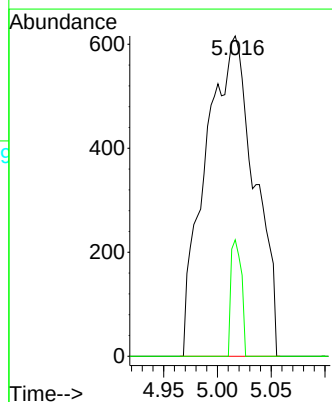
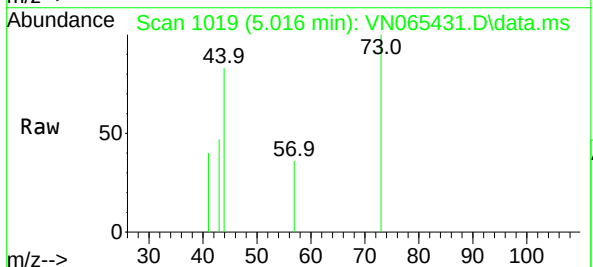
RT: 5.016 min Scan# 1019

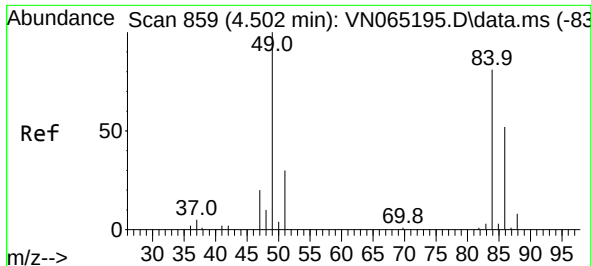
Delta R.T. 0.012 min

Lab File: VN065431.D

Acq: 7 Jan 2021 16:54

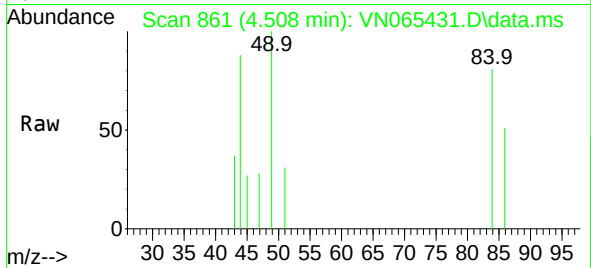
Tgt Ion: 73 Resp: 1951  
Ion Ratio Lower Upper  
73 100  
57 36.4 17.4 26.0#





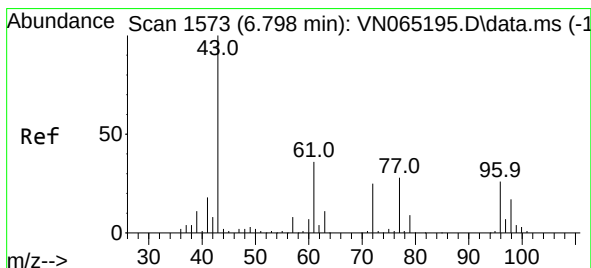
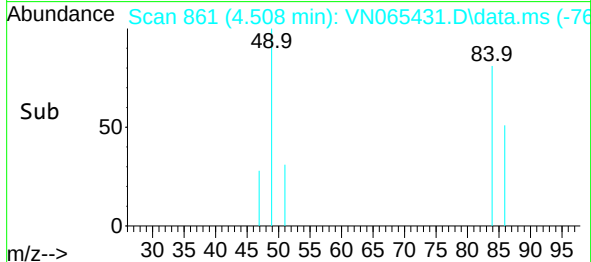
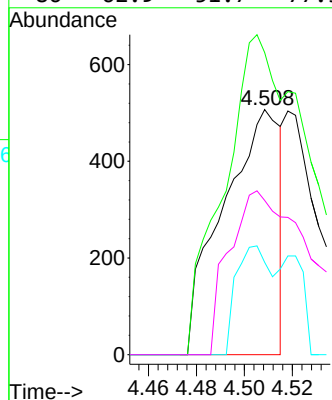
#20  
Methylene Chloride  
Concen: 0.24 ug/l  
RT: 4.508 min Scan# 861  
Delta R.T. 0.006 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
30732



Tgt Ion: 84 Resp: 837

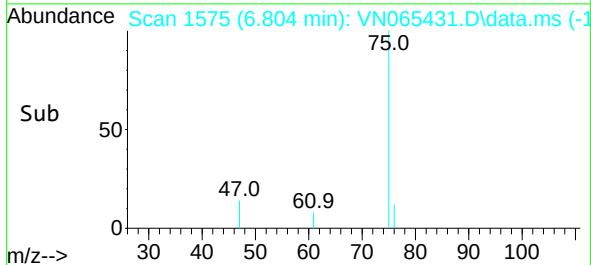
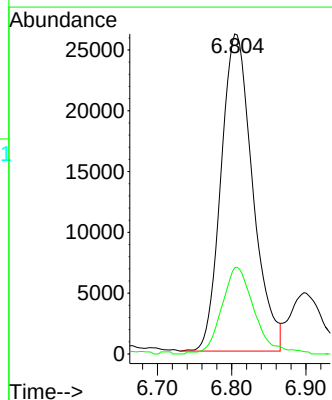
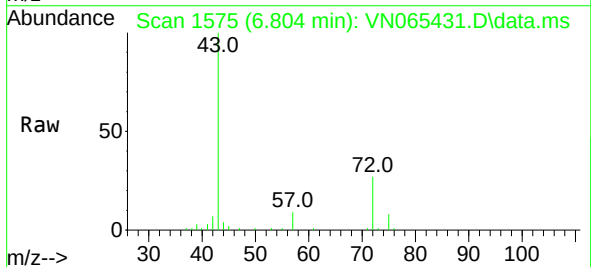
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 123.3 | 93.4  | 140.0 |
| 51  | 37.7  | 28.2  | 42.4  |
| 86  | 62.9  | 51.7  | 77.5  |



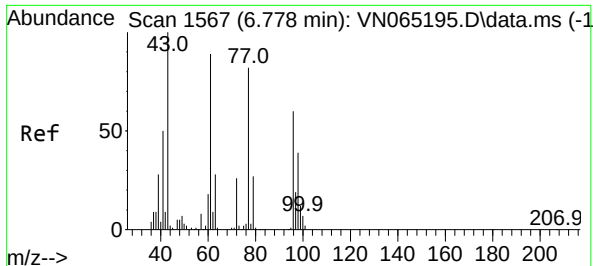
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2-Butanone  
Concen: 39.18 ug/l  
RT: 6.804 min Scan# 1575  
Delta R.T. 0.006 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

Tgt Ion: 43 Resp: 77209

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 27.2  | 21.0  | 31.6  |



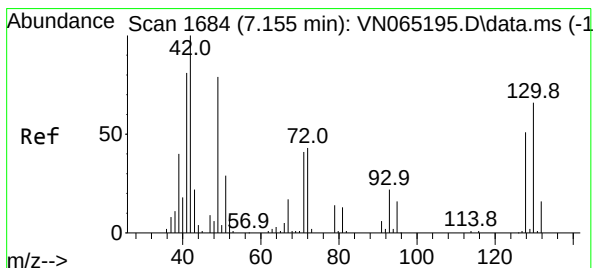
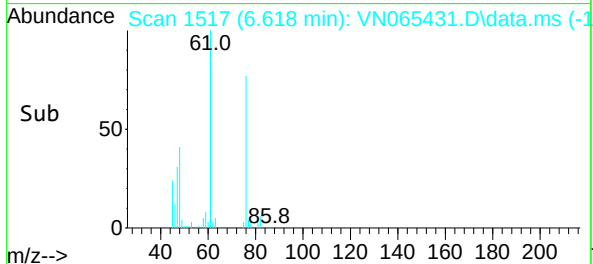
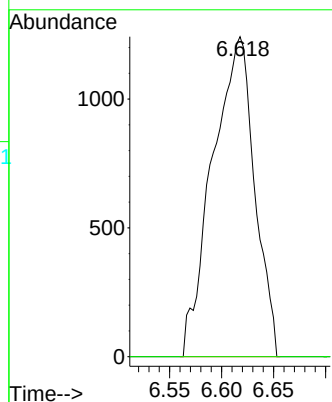
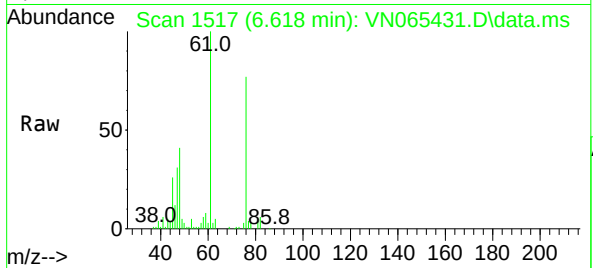




#26  
2,2-Dichloropropane  
Concen: 0.67 ug/l  
RT: 6.618 min Scan# 1517  
Delta R.T. -0.160 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

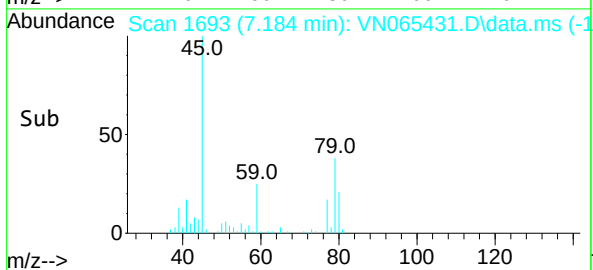
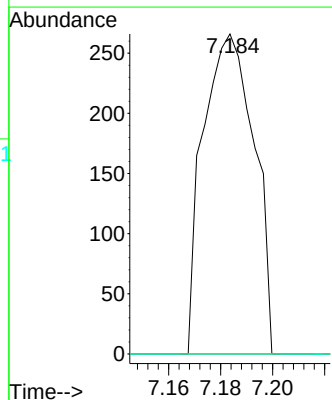
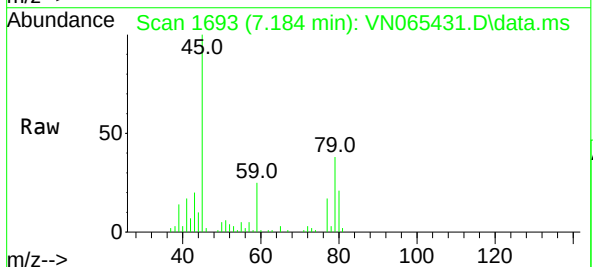
Instrument :  
MSVOA\_N  
ClientSampled :  
30732

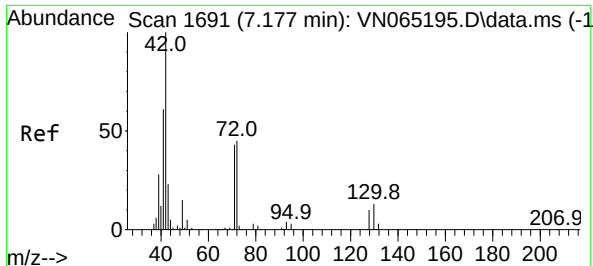
Tgt Ion: 77 Resp: 3504  
Ion Ratio Lower Upper  
77 100  
97 0.0 11.7 35.0#



#28  
Bromochloromethane  
Concen: 0.79 ug/l  
RT: 7.184 min Scan# 1693  
Delta R.T. 0.029 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

Tgt Ion: 49 Resp: 362  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 3.8  
130 0.0 66.2 99.2#





#29

Tetrahydrofuran

Concen: 4.27 ug/l

RT: 7.177 min Scan# 1691

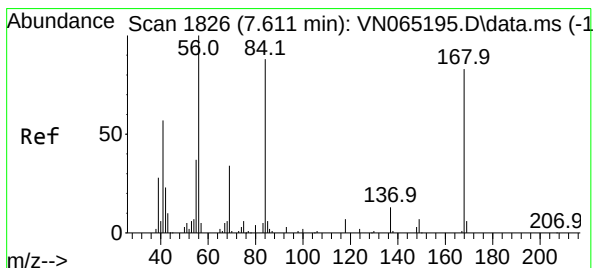
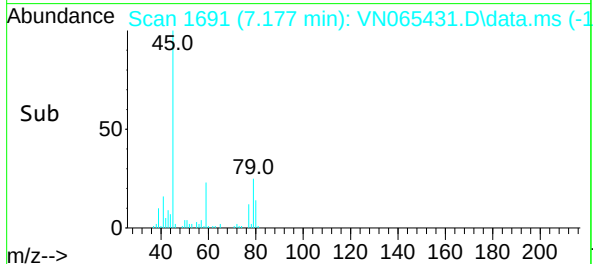
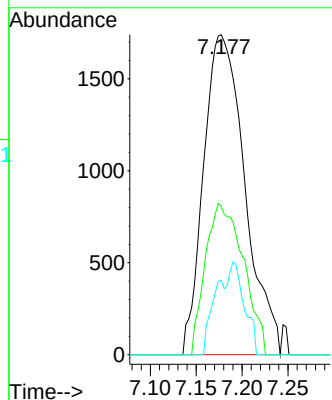
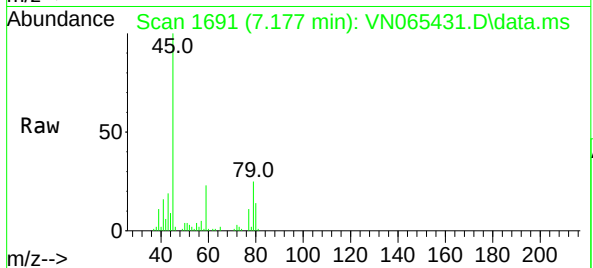
Delta R.T. 0.000 min

Lab File: VN065431.D

Acq: 7 Jan 2021 16:54

Instrument :  
MSVOA\_N  
ClientSampled :  
30732

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 5443  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 43.5  | 36.6  | 54.8  |
| 71       | 7.7   | 33.6  | 50.4# |



#31

Cyclohexane

Concen: 1.19 ug/l

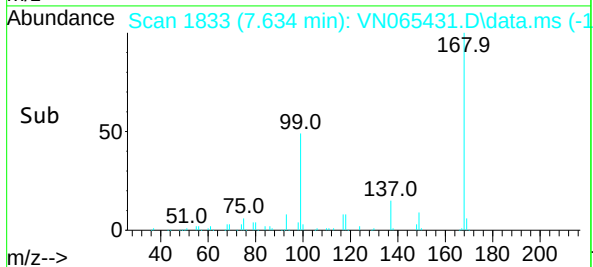
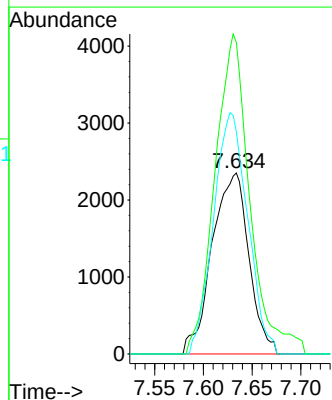
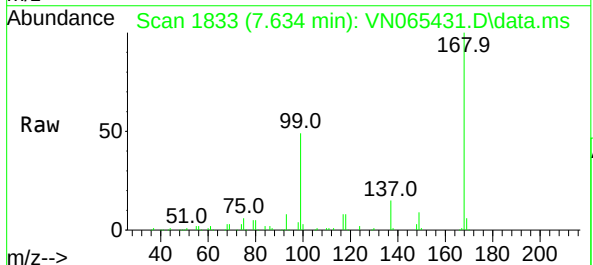
RT: 7.634 min Scan# 1833

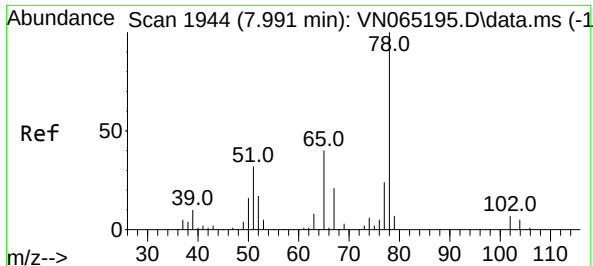
Delta R.T. 0.023 min

Lab File: VN065431.D

Acq: 7 Jan 2021 16:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 6159   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 172.2 | 27.5  | 41.3#  |
| 84       | 122.8 | 73.9  | 110.9# |

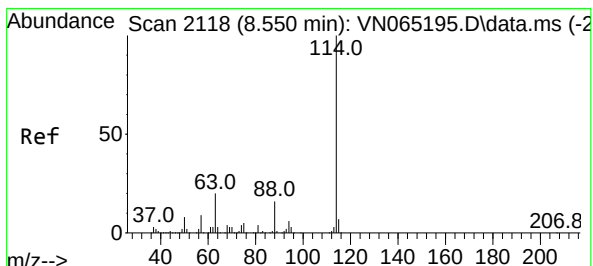
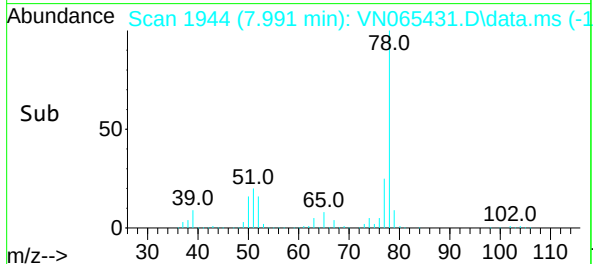
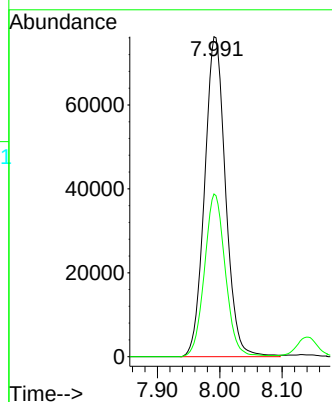
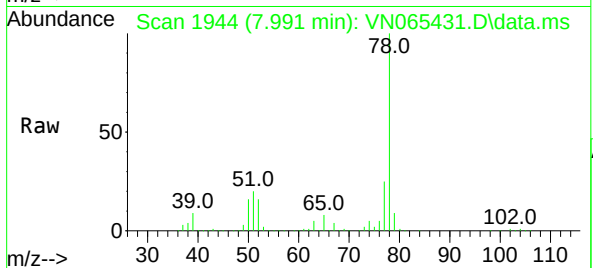




#33  
1,2-Dichloroethane-d4  
Concen: 50.78 ug/l  
RT: 7.991 min Scan# 1944  
Delta R.T. -0.000 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

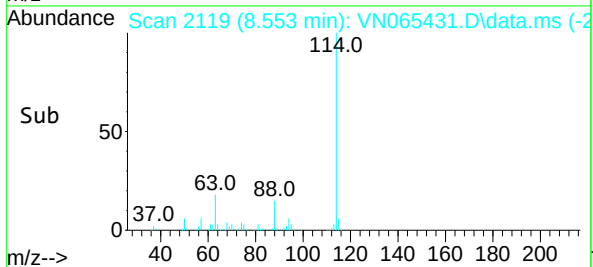
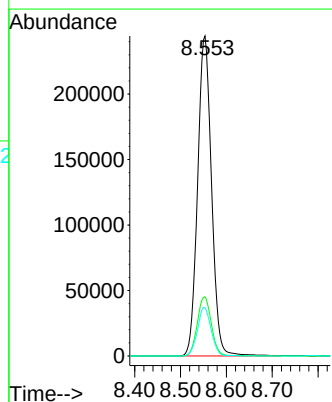
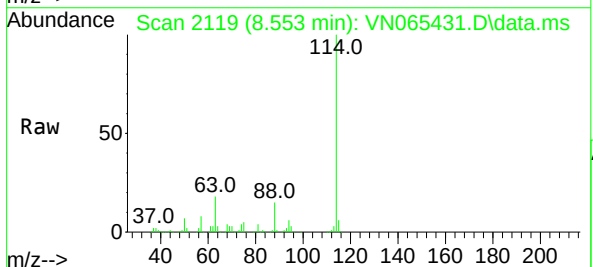
Instrument :  
MSVOA\_N  
ClientSampleId :  
30732

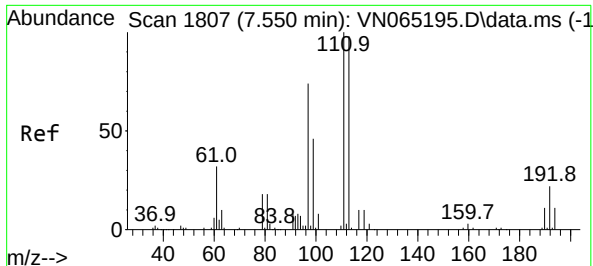
Tgt Ion: 65 Resp: 178247  
Ion Ratio Lower Upper  
65 100  
67 50.5 0.0 108.2



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.553 min Scan# 2119  
Delta R.T. 0.003 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

Tgt Ion: 114 Resp: 514713  
Ion Ratio Lower Upper  
114 100  
63 18.5 0.0 38.6  
88 15.0 0.0 32.6

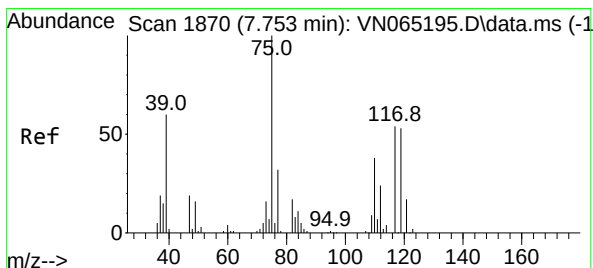
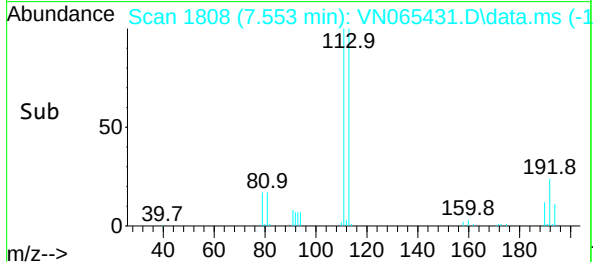
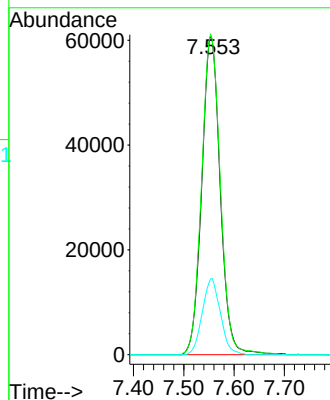
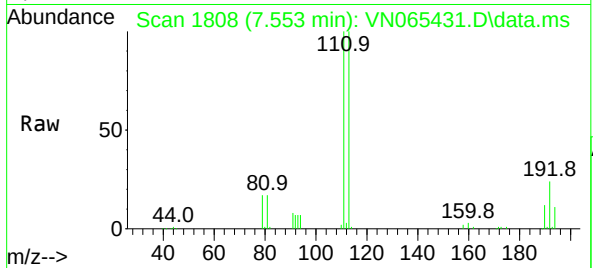




#35  
Dibromofluoromethane  
Concen: 49.87 ug/l  
RT: 7.553 min Scan# 1808  
Delta R.T. 0.003 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

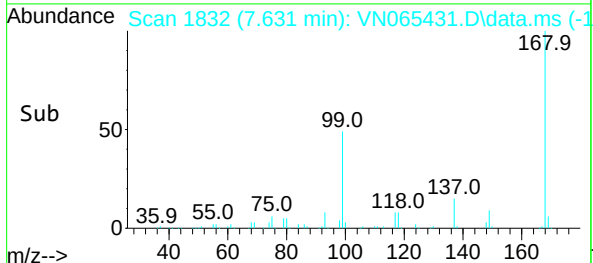
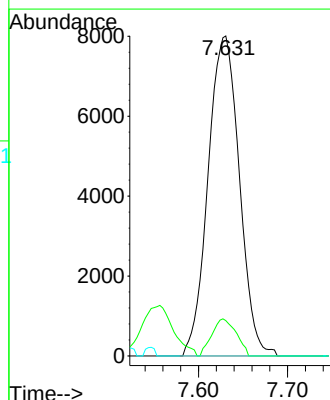
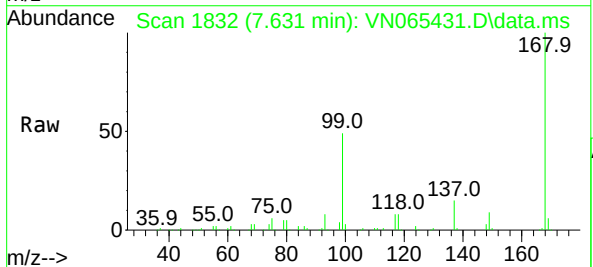
Instrument :  
MSVOA\_N  
ClientSampleId :  
30732

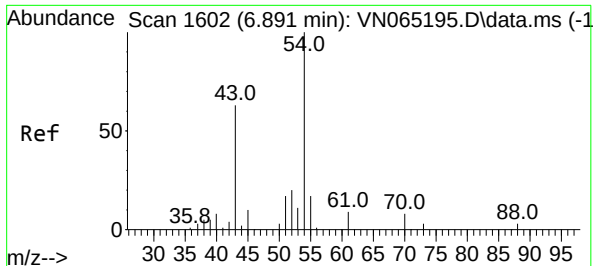
Tgt Ion:113 Resp: 154849  
Ion Ratio Lower Upper  
113 100  
111 101.9 81.6 122.4  
192 23.4 16.2 24.2



#36  
1,1-Dichloropropene  
Concen: 4.18 ug/l  
RT: 7.631 min Scan# 1832  
Delta R.T. -0.122 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

Tgt Ion: 75 Resp: 19561  
Ion Ratio Lower Upper  
75 100  
110 9.0 17.8 53.3#  
77 0.0 25.0 37.4#

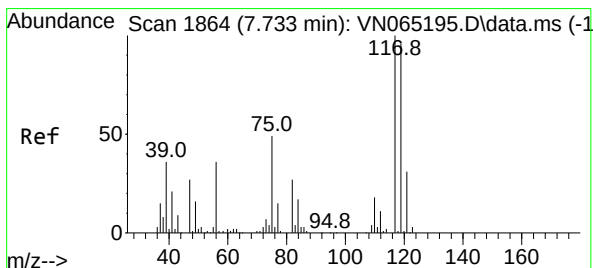
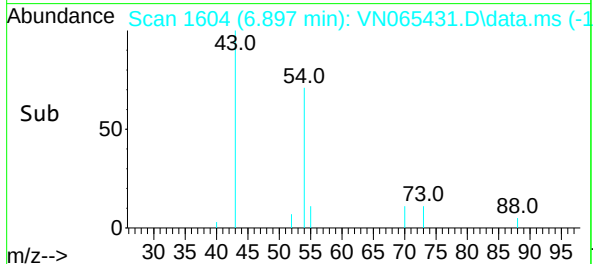
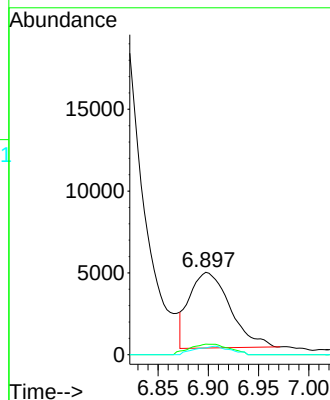
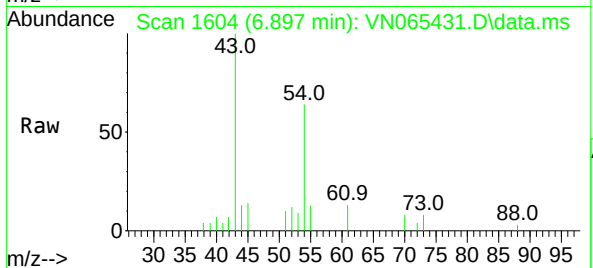




#37  
Ethyl Acetate  
Concen: 2.81 ug/l  
RT: 6.897 min Scan# 1604  
Delta R.T. 0.006 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

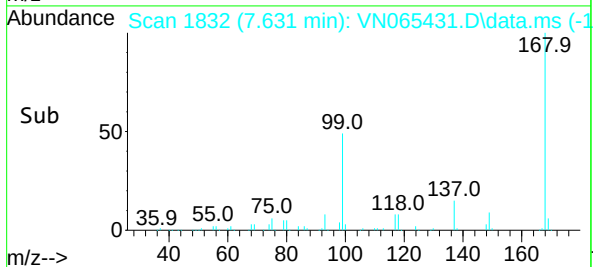
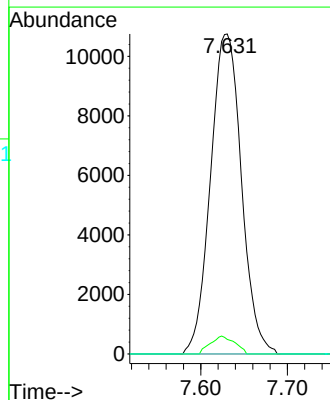
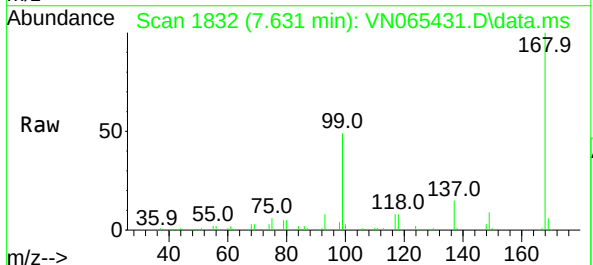
Instrument :  
MSVOA\_N  
ClientSampled :  
30732

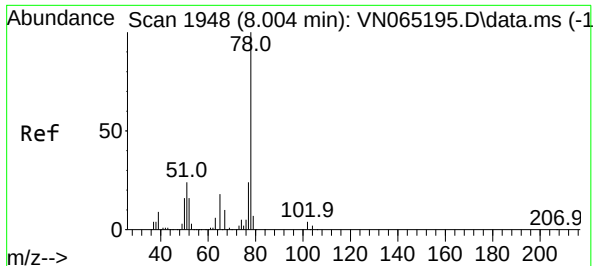
Tgt Ion: 43 Resp: 13029  
Ion Ratio Lower Upper  
43 100  
61 0.0 12.8 19.2#  
70 9.5 8.8 13.2



#38  
Carbon Tetrachloride  
Concen: 5.43 ug/l  
RT: 7.631 min Scan# 1832  
Delta R.T. -0.102 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

Tgt Ion: 117 Resp: 26673  
Ion Ratio Lower Upper  
117 100  
119 4.5 76.7 115.1#  
121 0.0 25.4 38.2#

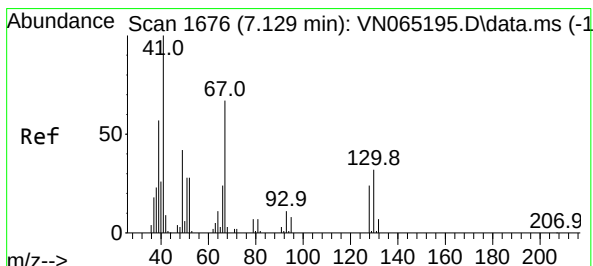
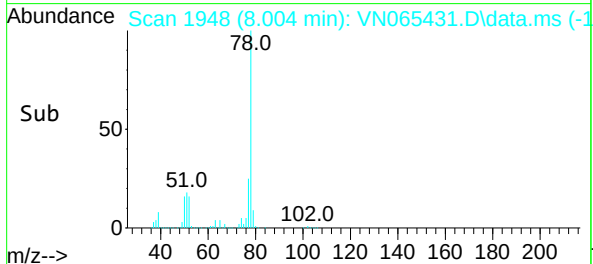
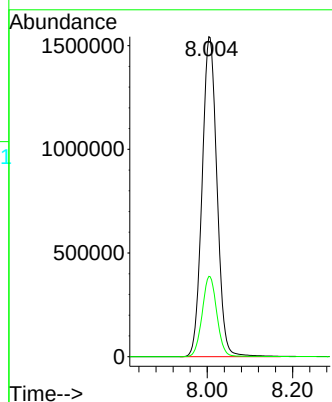
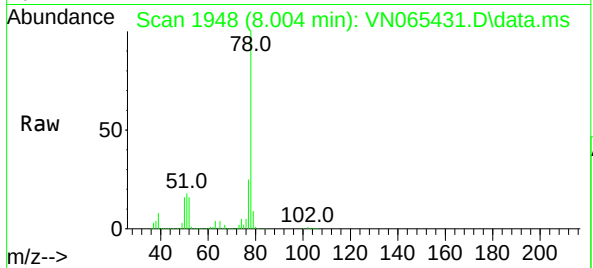




#40  
Benzene  
Concen: 267.66 ug/l  
RT: 8.004 min Scan# 1948  
Delta R.T. -0.000 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

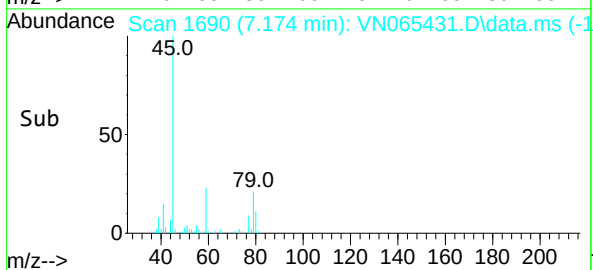
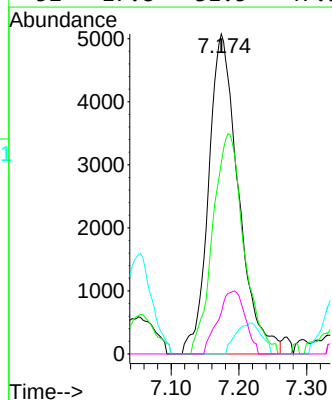
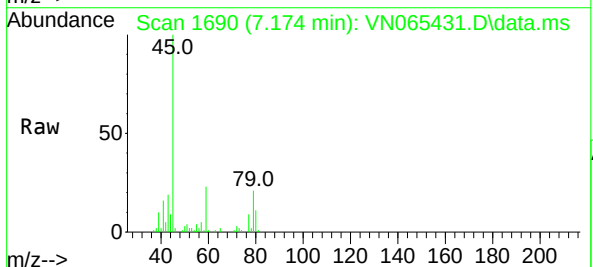
Instrument :  
MSVOA\_N  
ClientSampled :  
30732

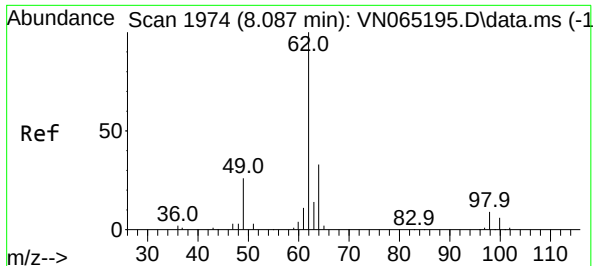
Tgt Ion: 78 Resp: 3726541  
Ion Ratio Lower Upper  
78 100  
77 25.1 17.9 26.9



#41  
Methacrylonitrile  
Concen: 6.42 ug/l  
RT: 7.174 min Scan# 1690  
Delta R.T. 0.045 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

Tgt Ion: 41 Resp: 15498  
Ion Ratio Lower Upper  
41 100  
39 71.5 51.0 76.6  
67 0.0 79.8 119.8#  
52 17.8 31.5 47.3#





#42

1,2-Dichloroethane

Concen: 6.34 ug/l

RT: 8.004 min Scan# 1948

Delta R.T. -0.083 min

Lab File: VN065431.D

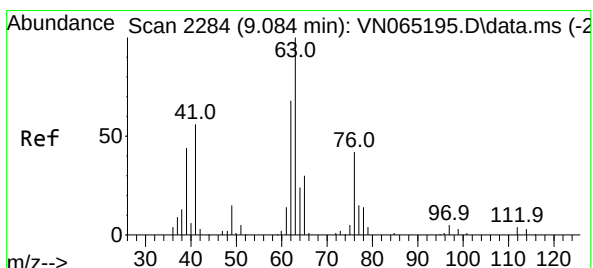
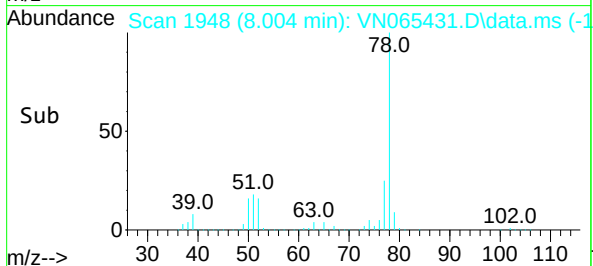
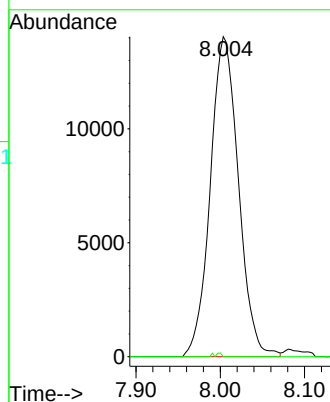
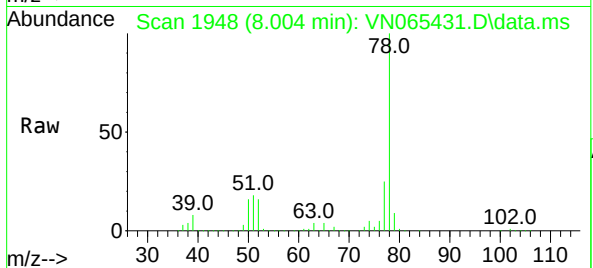
Acq: 7 Jan 2021 16:54

Tgt Ion: 62 Resp: 32628

Ion Ratio Lower Upper

62 100

98 0.3 0.0 19.6



#45

1,2-Dichloropropane

Concen: 0.22 ug/l

RT: 9.103 min Scan# 2290

Delta R.T. 0.019 min

Lab File: VN065431.D

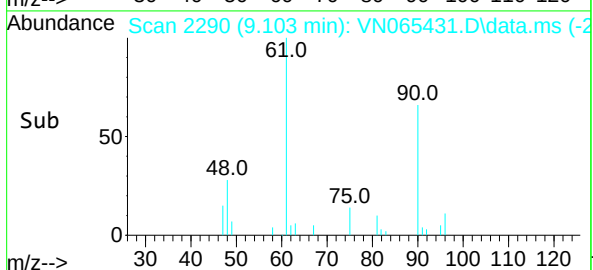
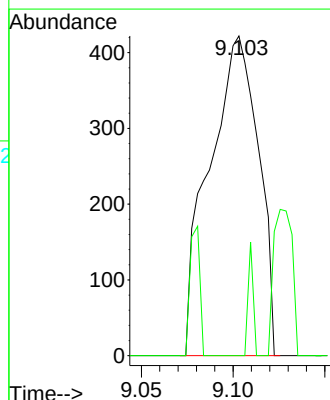
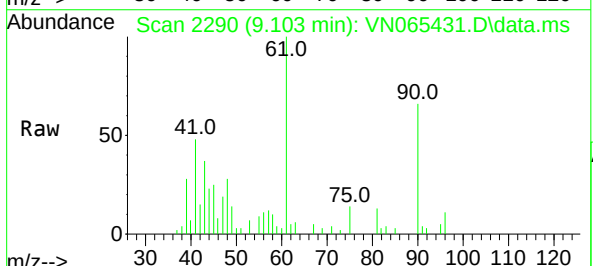
Acq: 7 Jan 2021 16:54

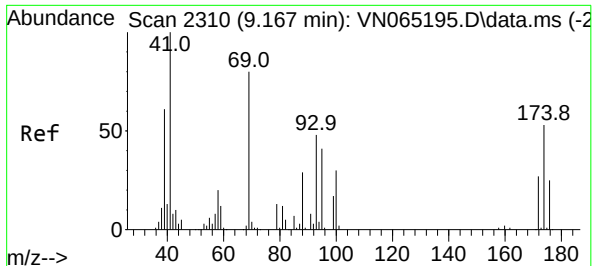
Tgt Ion: 63 Resp: 784

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.4#





#48

Methyl methacrylate

Concen: 10.08 ug/l

RT: 9.135 min Scan# 2300

Delta R.T. -0.032 min

Lab File: VN065431.D

Acq: 7 Jan 2021 16:54

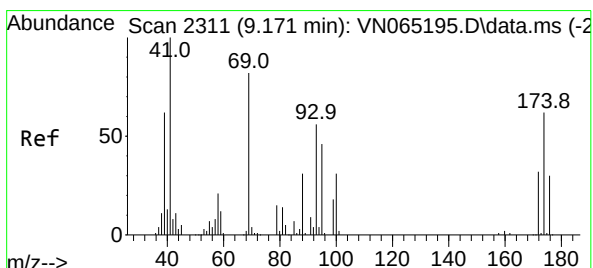
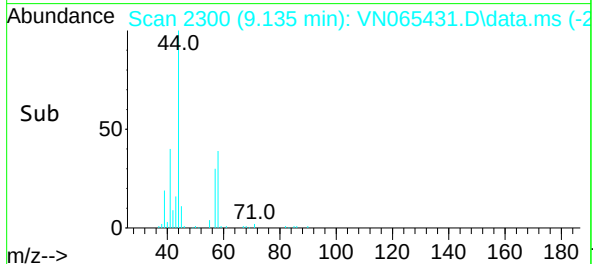
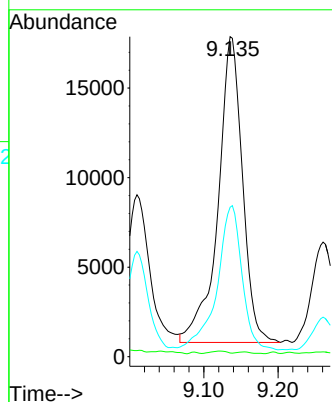
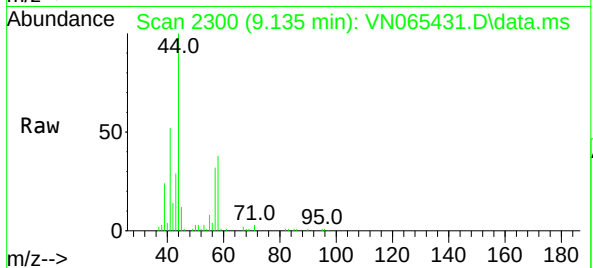
Tgt Ion: 41 Resp: 39126

Ion Ratio Lower Upper

41 100

69 0.3 71.8 107.8#

39 48.2 44.1 66.1



#49

1,4-Dioxane

Concen: 7.58 ug/l

RT: 9.171 min Scan# 2311

Delta R.T. -0.000 min

Lab File: VN065431.D

Acq: 7 Jan 2021 16:54

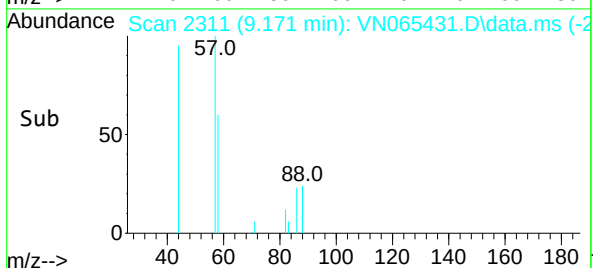
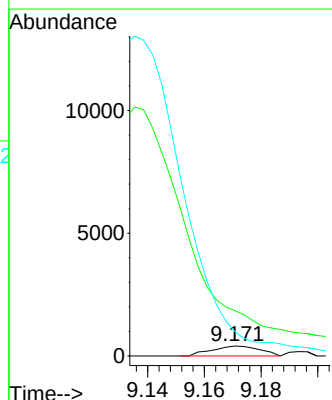
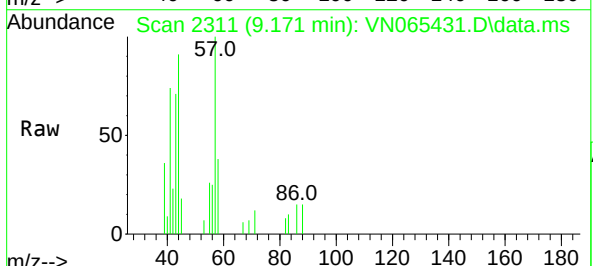
Tgt Ion: 88 Resp: 477

Ion Ratio Lower Upper

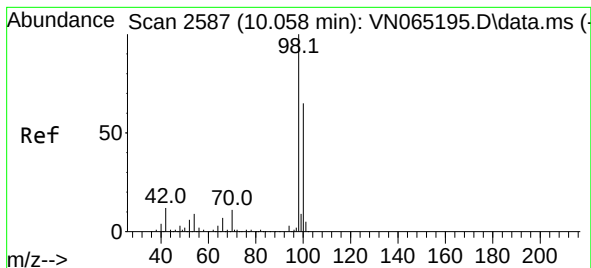
88 100

43 0.0 24.2 36.4#

58 0.0 52.5 78.7#



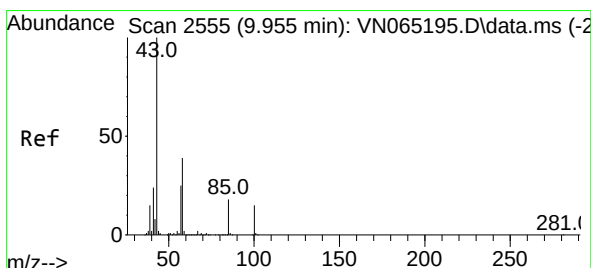
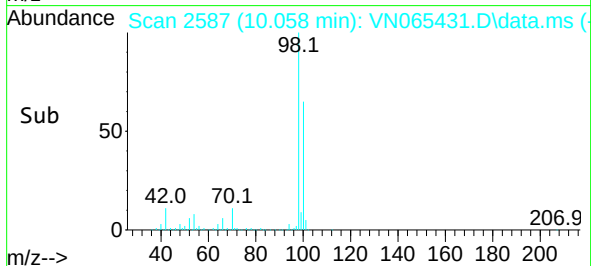
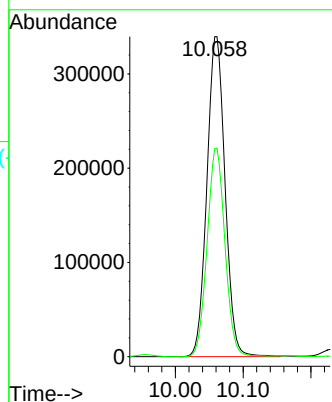
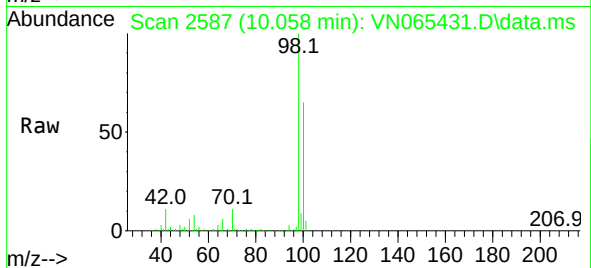




#50  
Toluene-d8  
Concen: 54.20 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. 0.000 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

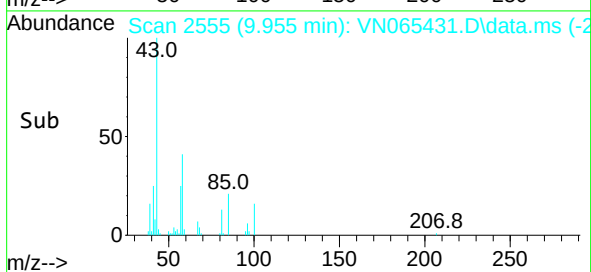
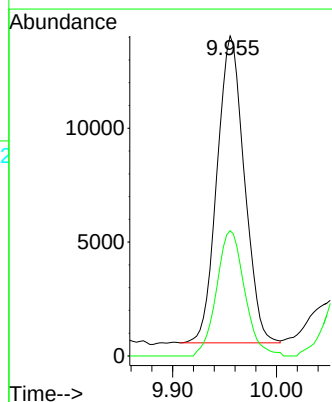
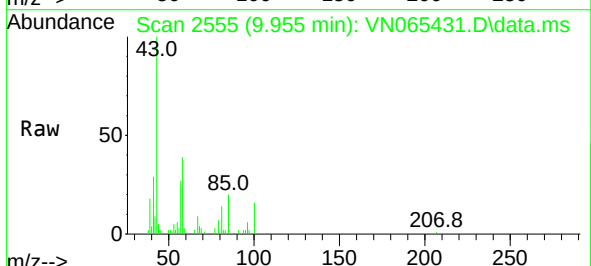
Instrument :  
MSVOA\_N  
ClientSampleId :  
30732

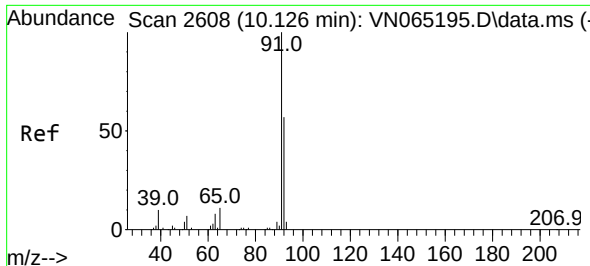
Tgt Ion: 98 Resp: 630835  
Ion Ratio Lower Upper  
98 100  
100 64.1 51.7 77.5



#51  
4-Methyl-2-Pentanone  
Concen: 5.47 ug/l  
RT: 9.955 min Scan# 2555  
Delta R.T. 0.000 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

Tgt Ion: 43 Resp: 24574  
Ion Ratio Lower Upper  
43 100  
58 41.8 32.4 48.6

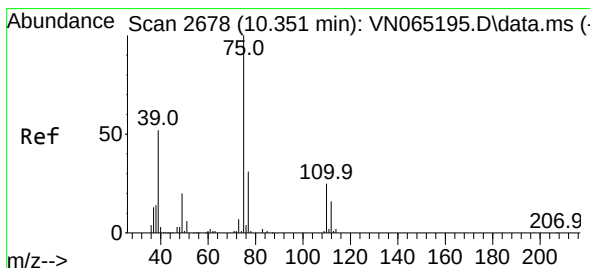
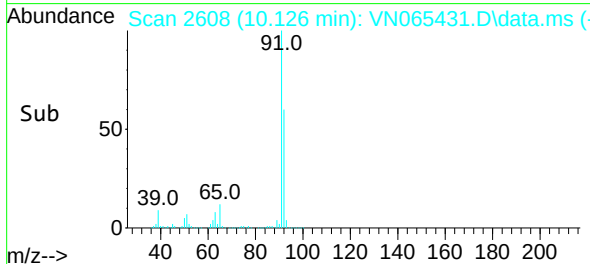
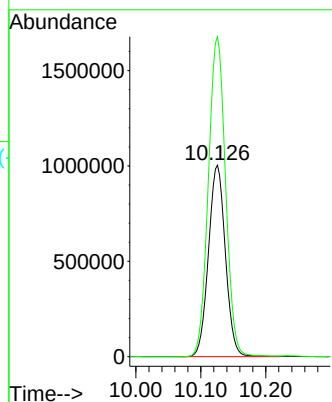
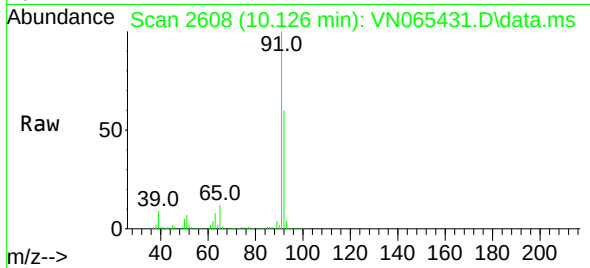




#52  
Toluene  
Concen: 207.23 ug/l  
RT: 10.126 min Scan# 2608  
Delta R.T. -0.000 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

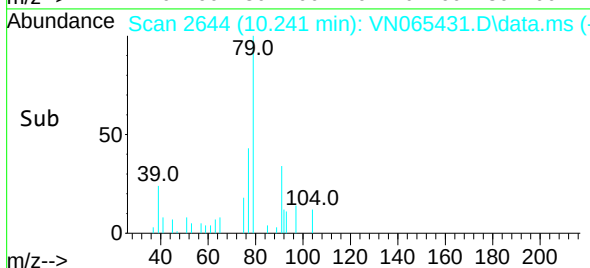
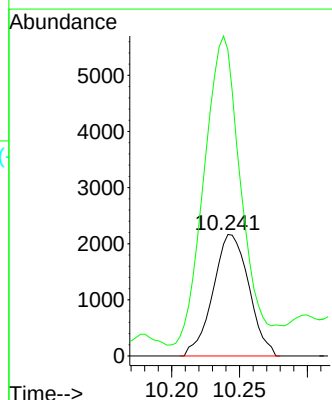
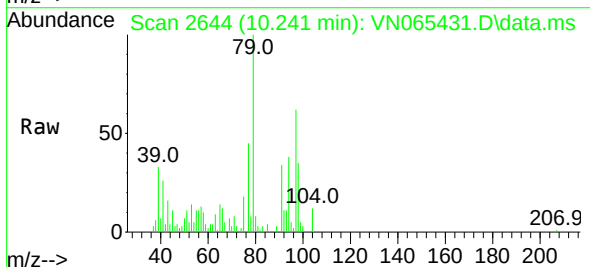
Instrument :  
MSVOA\_N  
ClientSampleId :  
30732

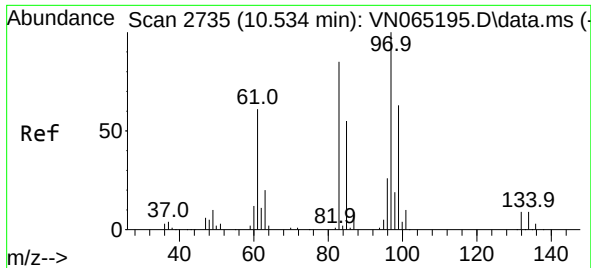
Tgt Ion: 92 Resp: 1818475  
Ion Ratio Lower Upper  
92 100  
91 170.2 139.1 208.7



#53  
t-1,3-Dichloropropene  
Concen: 0.68 ug/l  
RT: 10.241 min Scan# 2644  
Delta R.T. -0.110 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

Tgt Ion: 75 Resp: 3974  
Ion Ratio Lower Upper  
75 100  
77 236.4 25.8 38.6#

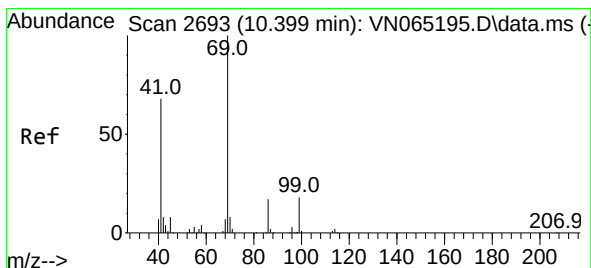
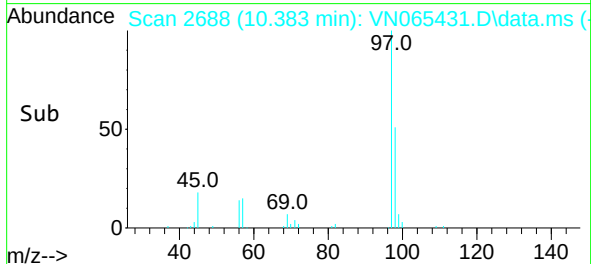
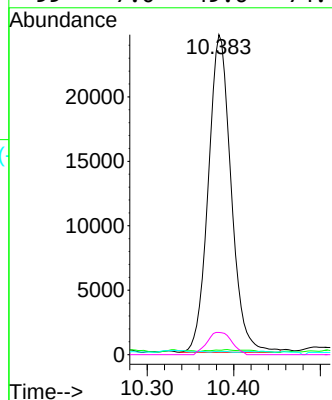
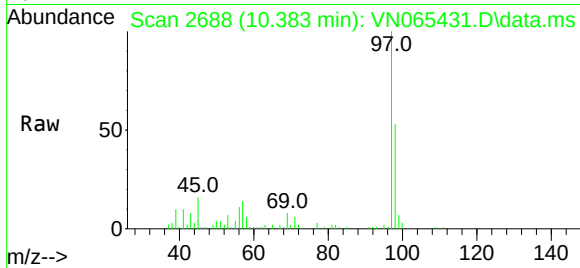




#55  
1,1,2-Trichloroethane  
Concen: 12.96 ug/l  
RT: 10.383 min Scan# 2688  
Delta R.T. -0.151 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

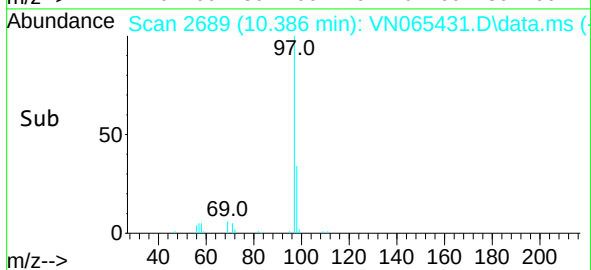
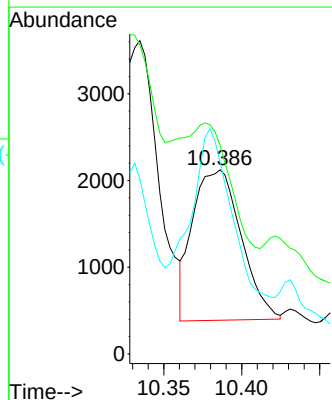
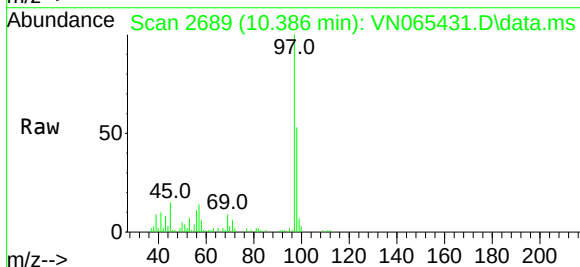
Instrument :  
MSVOA\_N  
ClientSampleId :  
30732

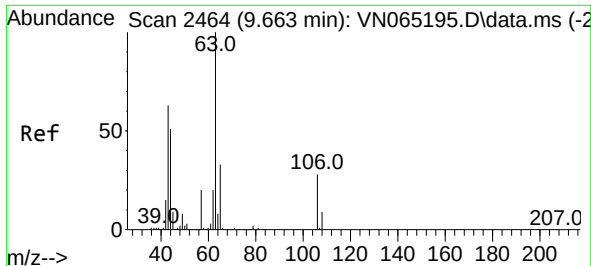
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 44997  |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 0.6   | 72.1  | 108.1# |
| 85       | 0.0   | 46.8  | 70.2#  |
| 99       | 7.0   | 49.6  | 74.4#  |



#56  
Ethyl methacrylate  
Concen: 0.69 ug/l  
RT: 10.386 min Scan# 2689  
Delta R.T. -0.013 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

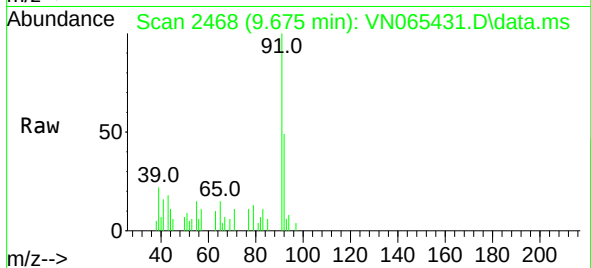
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 3735  |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 0.0   | 49.4  | 74.0# |
| 39       | 0.0   | 25.9  | 38.9# |



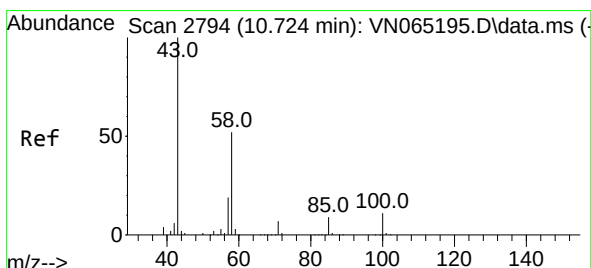
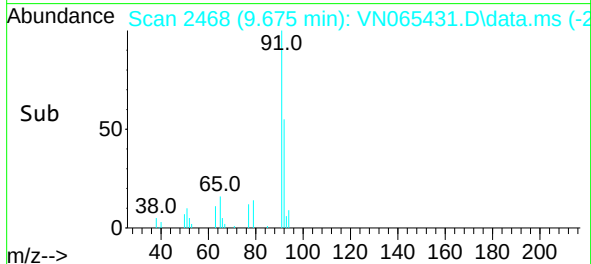
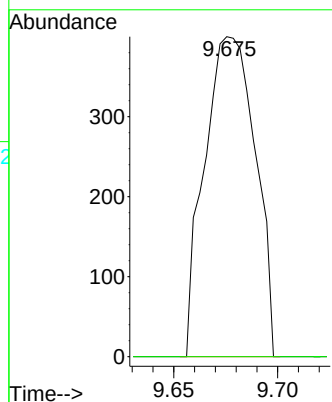


#58  
2-Chloroethyl Vinyl ether  
Concen: 0.29 ug/l  
RT: 9.675 min Scan# 2468  
Delta R.T. 0.012 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

Instrument :  
MSVOA\_N  
ClientSampled :  
30732

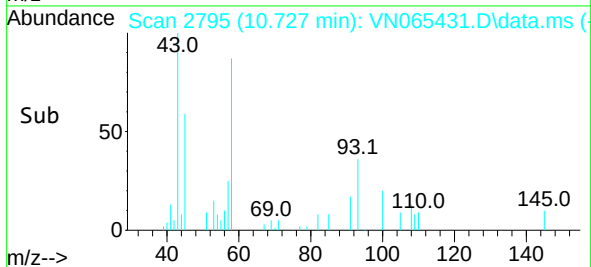
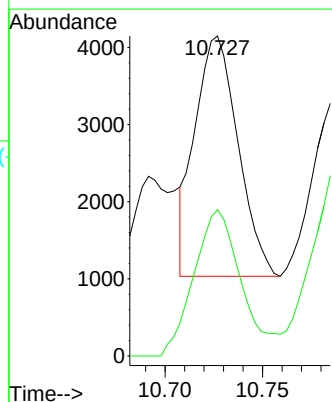
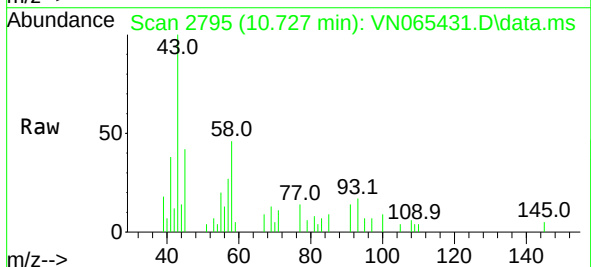


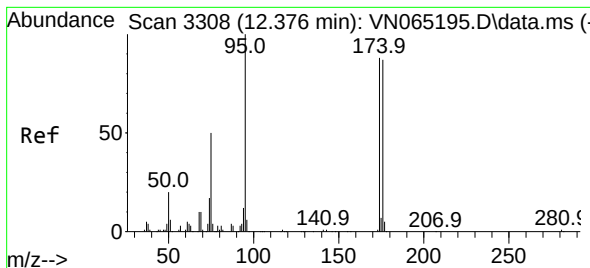
Tgt Ion: 63 Resp: 679  
Ion Ratio Lower Upper  
63 100  
106 0.0 22.7 34.1#



#59  
2-Hexanone  
Concen: 1.44 ug/l  
RT: 10.727 min Scan# 2795  
Delta R.T. 0.003 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

Tgt Ion: 43 Resp: 4775  
Ion Ratio Lower Upper  
43 100  
58 67.4 28.3 84.9

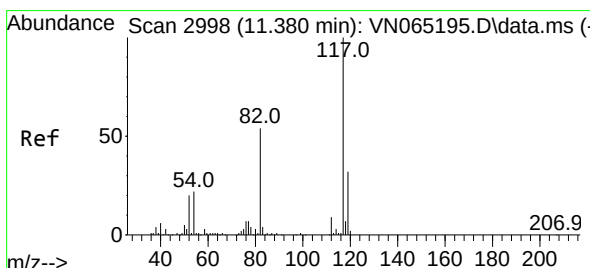
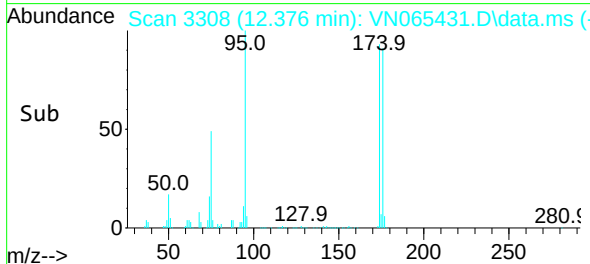
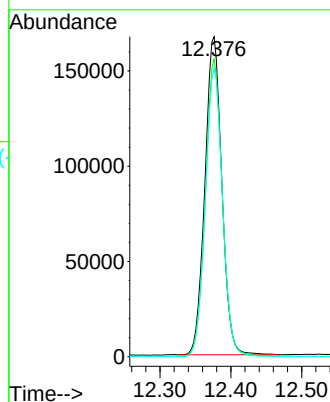
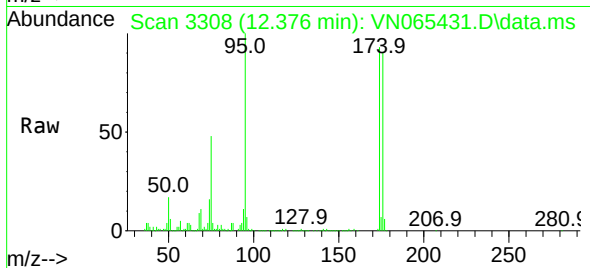




#62  
4-Bromofluorobenzene  
Concen: 59.19 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. 0.000 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

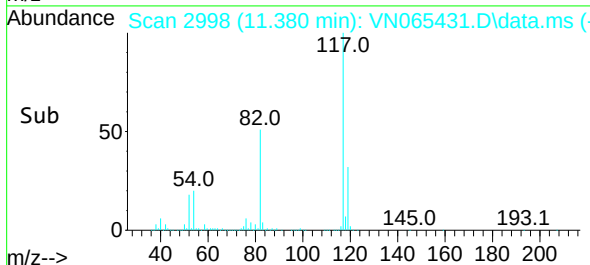
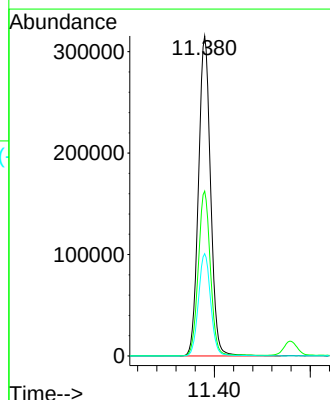
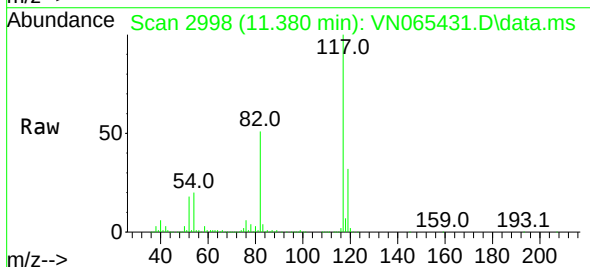
Instrument :  
MSVOA\_N  
ClientSampleId :  
30732

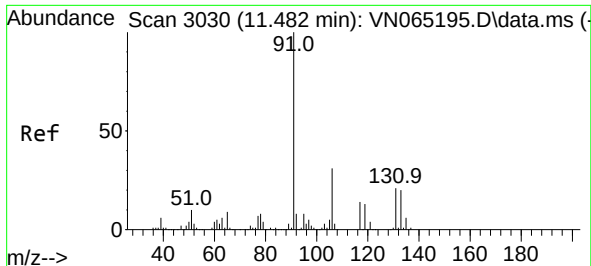
Tgt Ion: 95 Resp: 277261  
Ion Ratio Lower Upper  
95 100  
174 93.8 0.0 160.4  
176 91.4 0.0 158.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.380 min Scan# 2998  
Delta R.T. -0.000 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

Tgt Ion: 117 Resp: 551478  
Ion Ratio Lower Upper  
117 100  
82 51.4 44.2 66.2  
119 31.9 25.8 38.6

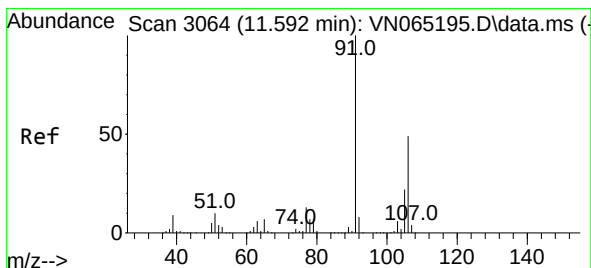
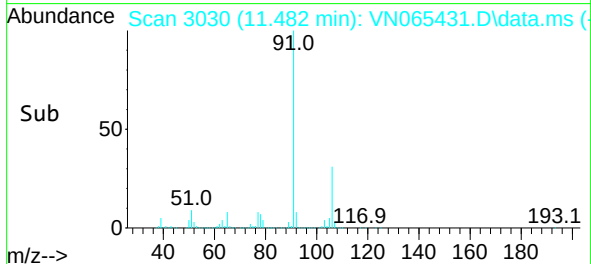
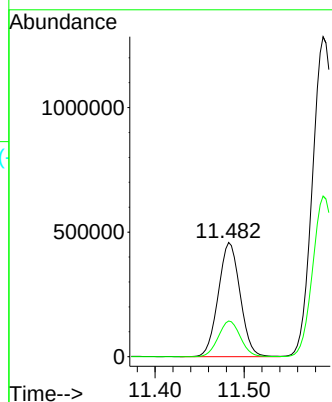
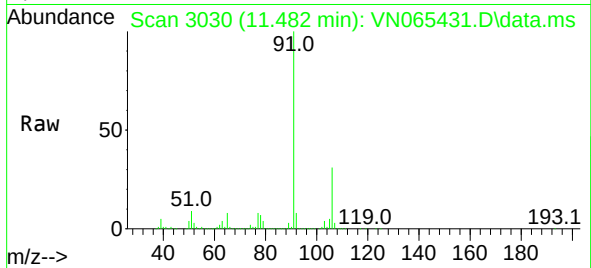




#67  
Ethyl Benzene  
Concen: 38.56 ug/l  
RT: 11.482 min Scan# 3030  
Delta R.T. 0.000 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

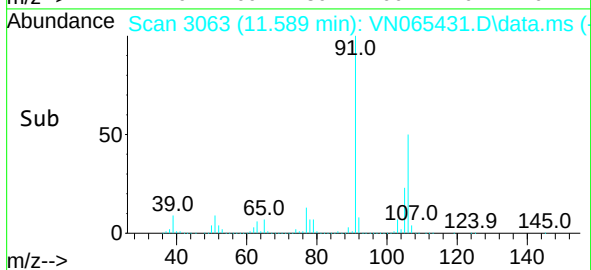
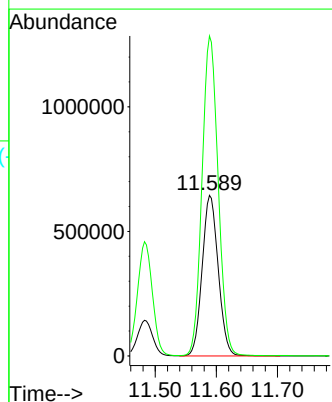
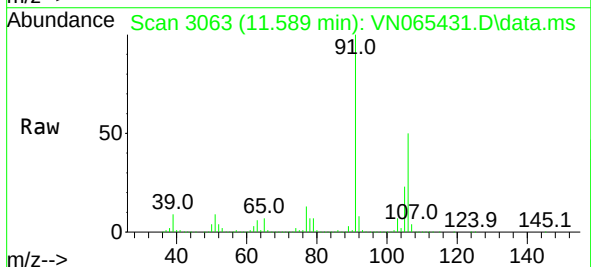
Instrument :  
MSVOA\_N  
ClientSampleId :  
30732

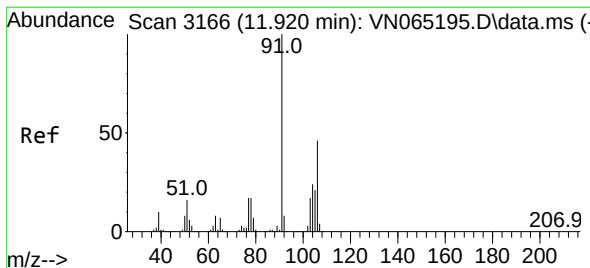
Tgt Ion: 91 Resp: 780003  
Ion Ratio Lower Upper  
91 100  
106 31.3 25.2 37.8



#68  
m/p-Xylenes  
Concen: 153.78 ug/l  
RT: 11.589 min Scan# 3063  
Delta R.T. -0.003 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

Tgt Ion:106 Resp: 1171853  
Ion Ratio Lower Upper  
106 100  
91 200.3 161.0 241.4

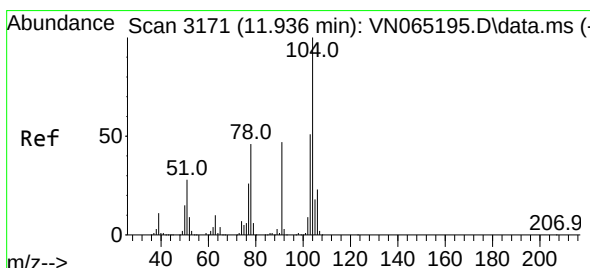
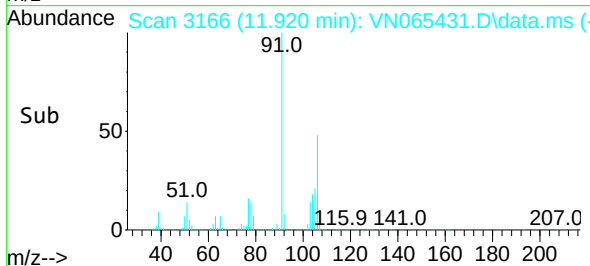
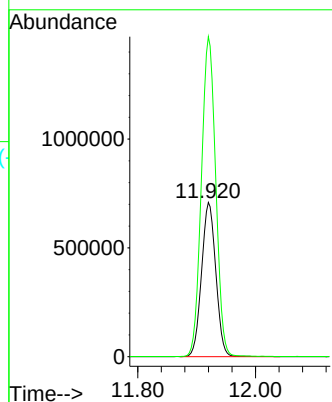
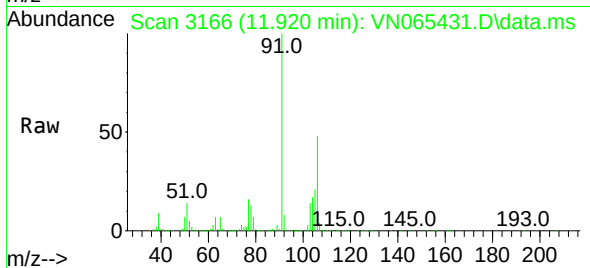




#69  
o-Xylene  
Concen: 160.38 ug/l  
RT: 11.920 min Scan# 3166  
Delta R.T. -0.000 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

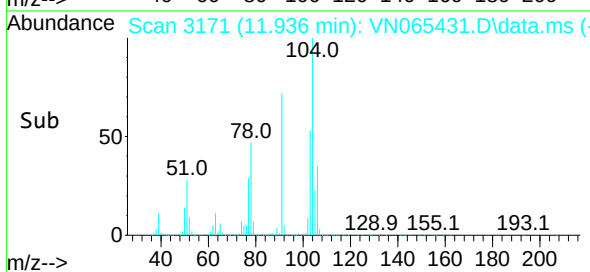
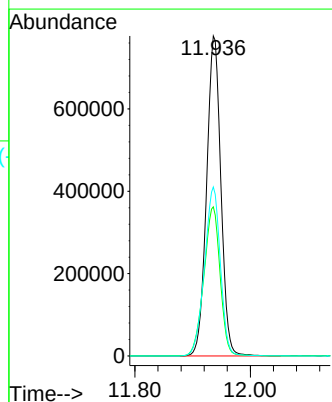
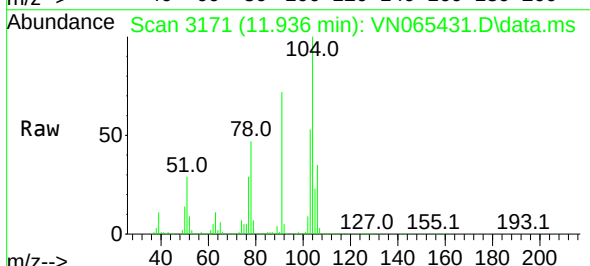
Instrument :  
MSVOA\_N  
ClientSampled :  
30732

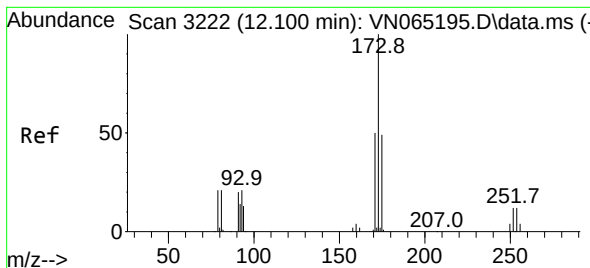
Tgt Ion:106 Resp: 1186400  
Ion Ratio Lower Upper  
106 100  
91 209.2 105.5 316.5



#70  
Styrene  
Concen: 108.32 ug/l  
RT: 11.936 min Scan# 3171  
Delta R.T. -0.000 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

Tgt Ion:104 Resp: 1336924  
Ion Ratio Lower Upper  
104 100  
78 52.8 39.0 58.6  
103 58.8 44.3 66.5

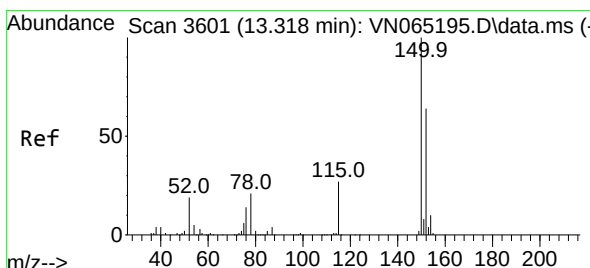
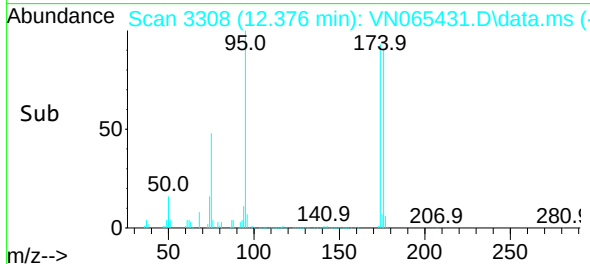
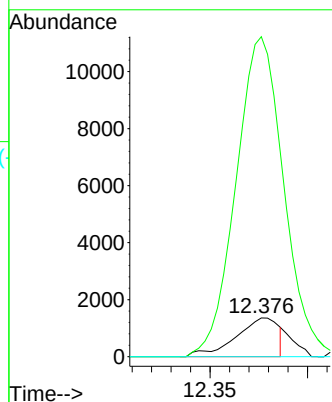
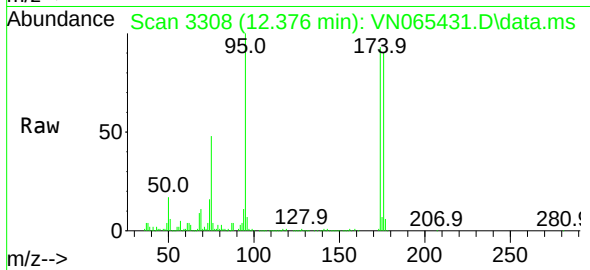




#71  
Bromoform  
Concen: 0.55 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. 0.276 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

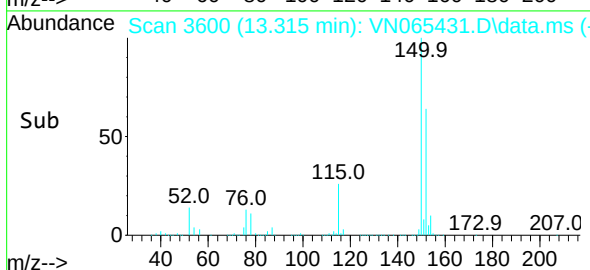
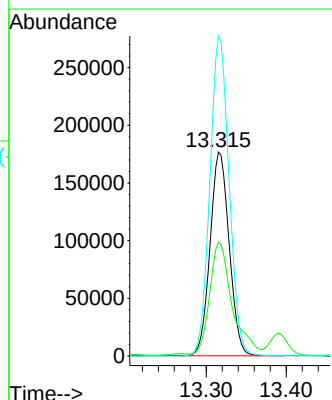
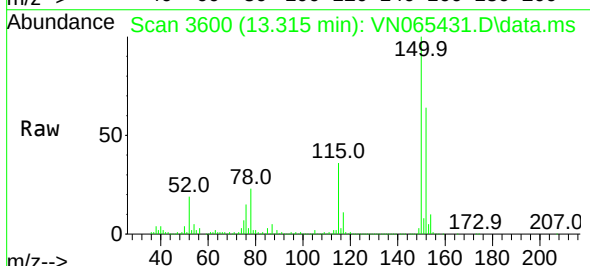
Instrument :  
MSVOA\_N  
ClientSampleId :  
30732

Tgt Ion:173 Resp: 2071  
Ion Ratio Lower Upper  
173 100  
175 786.4 24.3 72.8#  
254 0.0 0.0 0.0

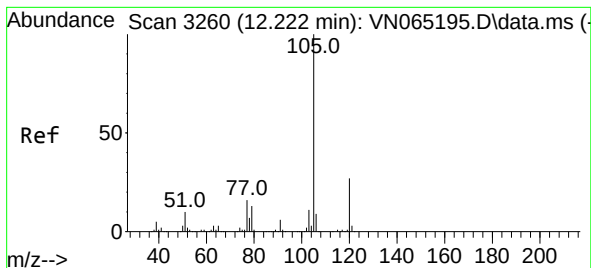


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.315 min Scan# 3600  
Delta R.T. -0.003 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

Tgt Ion:152 Resp: 292763  
Ion Ratio Lower Upper  
152 100  
115 63.9 29.7 89.1  
150 158.3 0.0 350.6







#73

Isopropylbenzene

Concen: 1.96 ug/l

RT: 12.222 min Scan# 3260

Delta R.T. -0.000 min

Lab File: VN065431.D

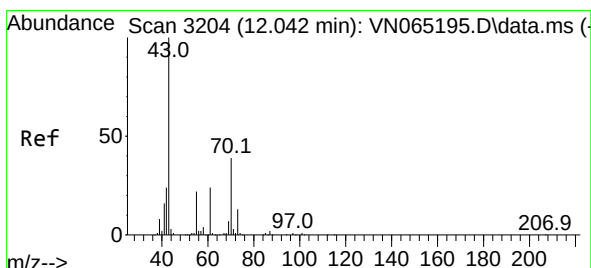
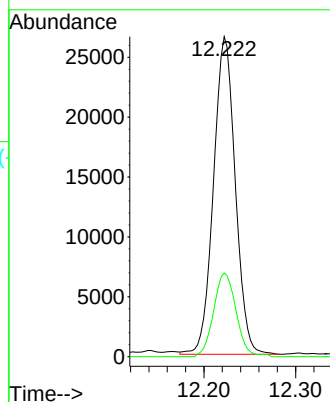
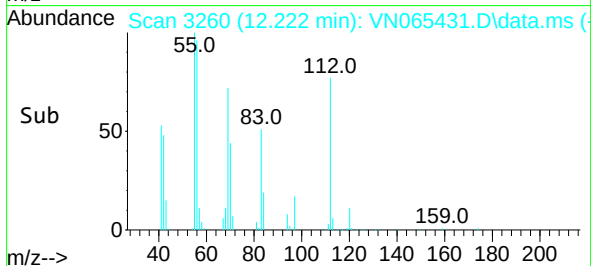
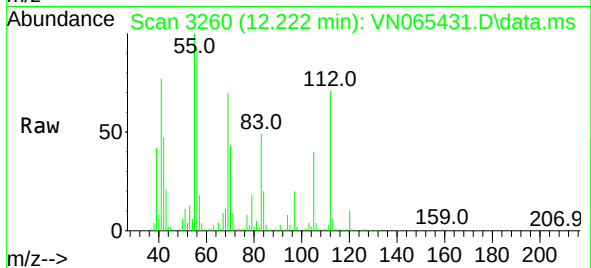
Acq: 7 Jan 2021 16:54

Tgt Ion:105 Resp: 43783

Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.9



#74

N-ethyl acetate

Concen: 5.63 ug/l

RT: 12.023 min Scan# 3198

Delta R.T. -0.019 min

Lab File: VN065431.D

Acq: 7 Jan 2021 16:54

Tgt Ion: 43 Resp: 49965

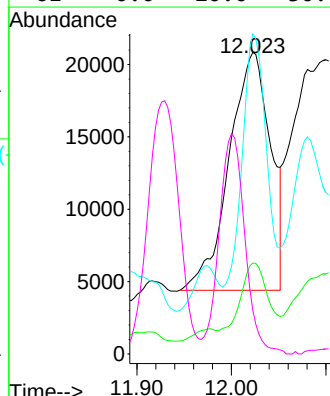
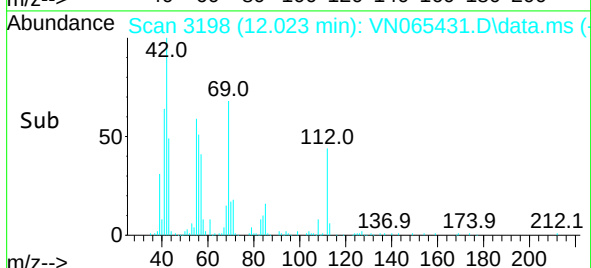
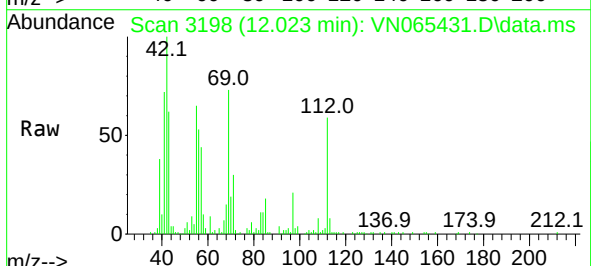
Ion Ratio Lower Upper

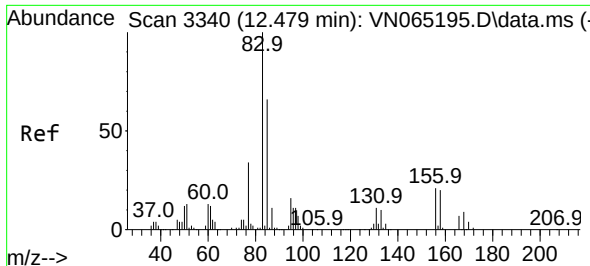
43 100

70 22.8 34.5 51.7#

55 60.4 20.4 30.6#

61 0.0 20.0 30.0#

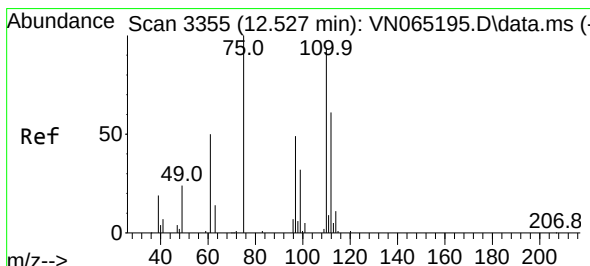
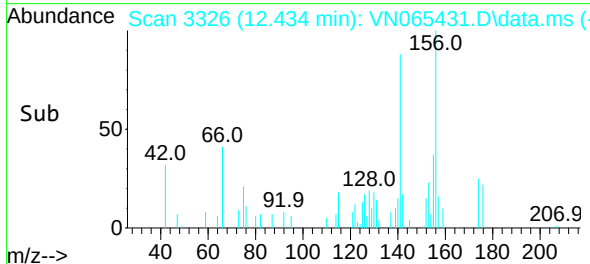
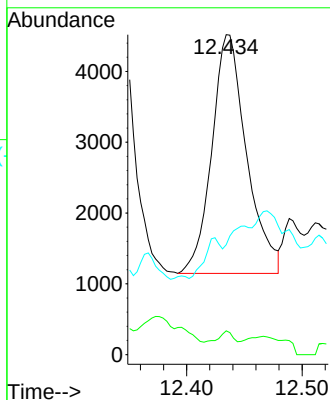
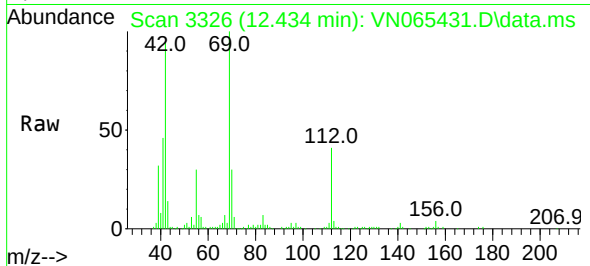




#75  
1,1,2,2-Tetrachloroethane  
Concen: 1.17 ug/l  
RT: 12.434 min Scan# 3326  
Delta R.T. -0.045 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

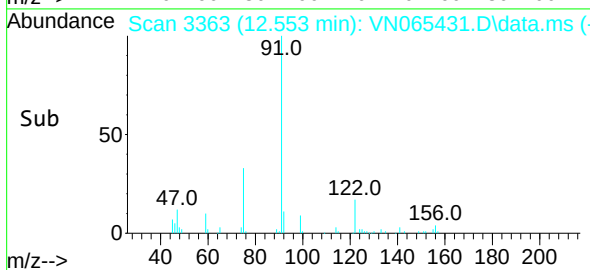
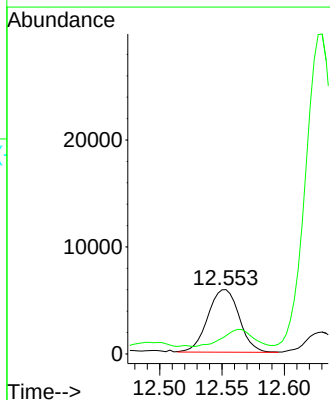
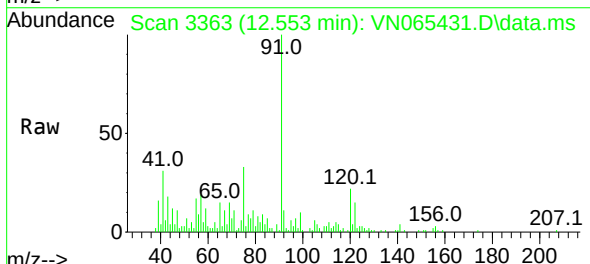
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ClientSampleId :  
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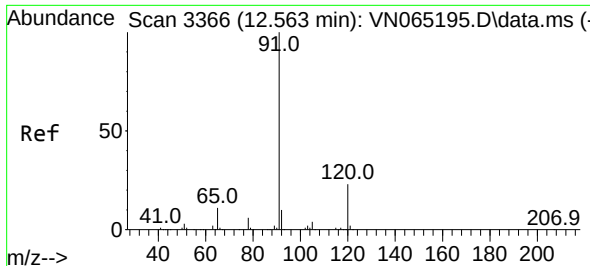
Tgt Ion: 83 Resp: 7053  
Ion Ratio Lower Upper  
83 100  
131 4.3 5.1 15.3#  
85 8.2 33.0 99.0#



#76  
1,2,3-Trichloropropane  
Concen: 1.72 ug/l  
RT: 12.553 min Scan# 3363  
Delta R.T. 0.026 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

Tgt Ion: 75 Resp: 10270  
Ion Ratio Lower Upper  
75 100  
77 26.3 0.0 0.0#

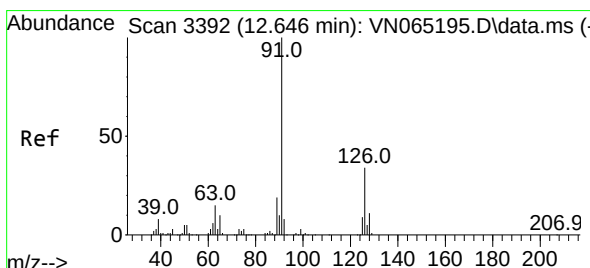
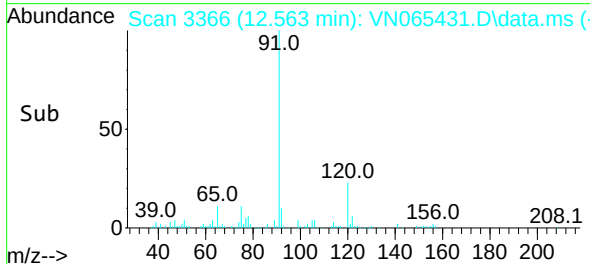
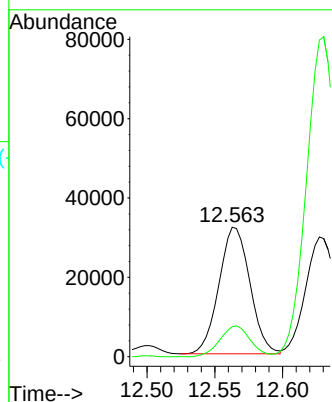
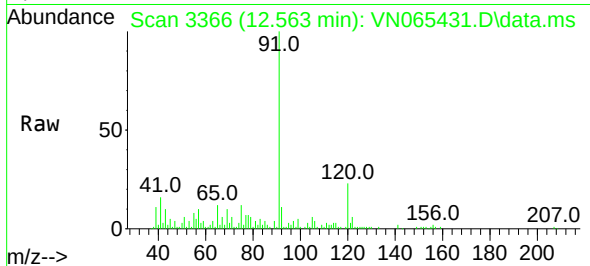




#78  
n-propylbenzene  
Concen: 2.02 ug/l  
RT: 12.563 min Scan# 3366  
Delta R.T. -0.000 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

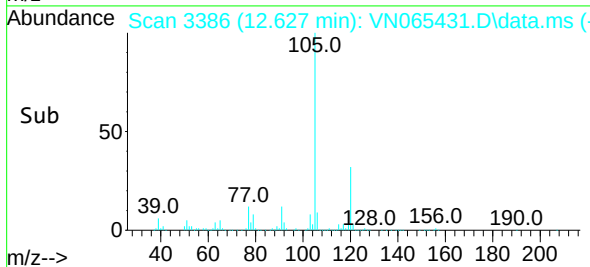
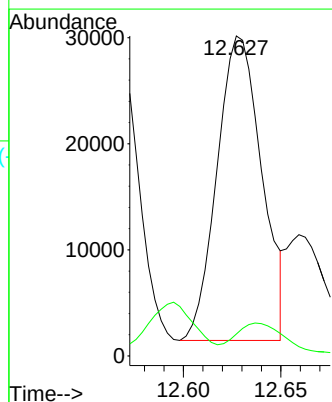
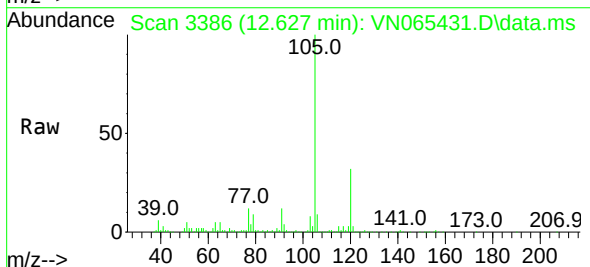
Instrument :  
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ClientSampleId :  
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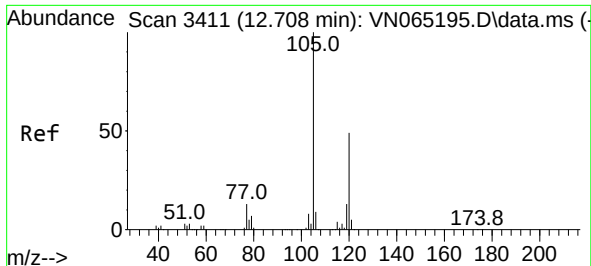
Tgt Ion: 91 Resp: 50799  
Ion Ratio Lower Upper  
91 100  
120 23.8 11.6 34.7



#79  
2-Chlorotoluene  
Concen: 3.10 ug/l  
RT: 12.627 min Scan# 3386  
Delta R.T. -0.019 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

Tgt Ion: 91 Resp: 45919  
Ion Ratio Lower Upper  
91 100  
126 10.6 17.2 51.6#

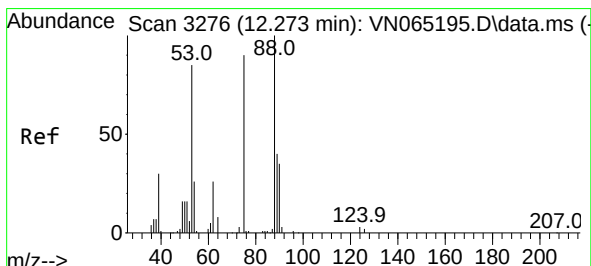
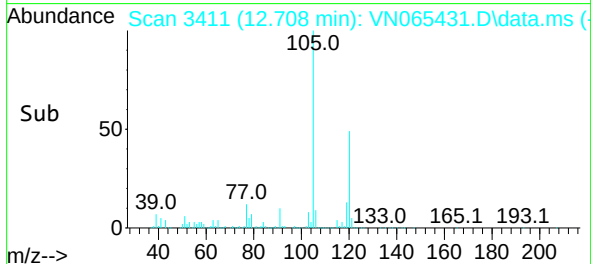
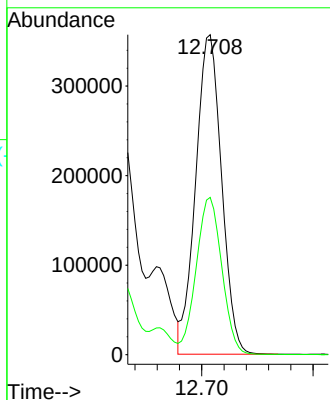
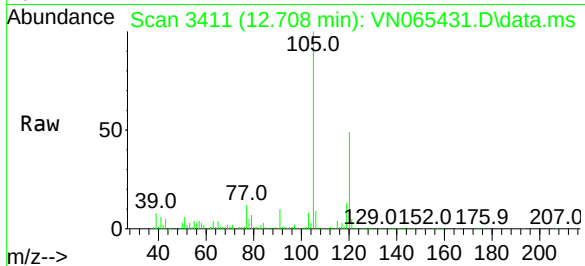




#80  
1,3,5-Trimethylbenzene  
Concen: 30.26 ug/l  
RT: 12.708 min Scan# 3411  
Delta R.T. -0.001 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

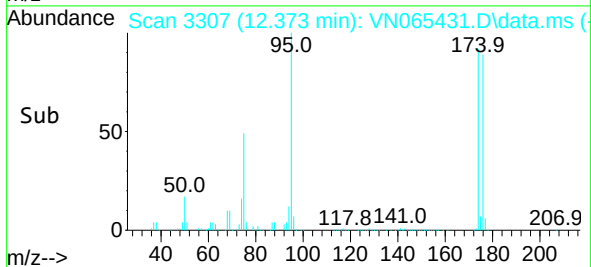
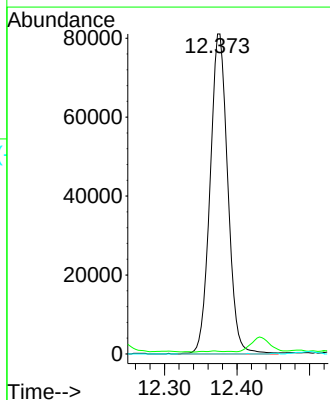
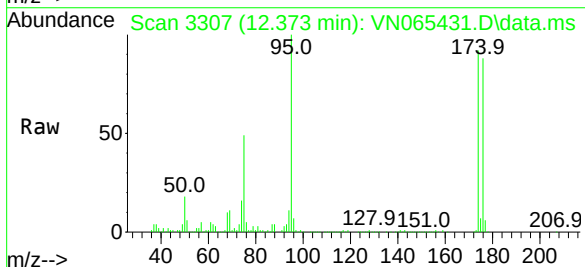
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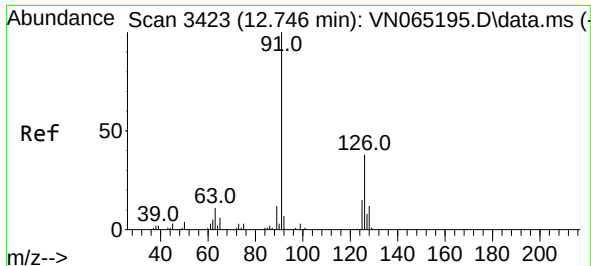
Tgt Ion:105 Resp: 575420  
Ion Ratio Lower Upper  
105 100  
120 48.9 24.6 73.6



#81  
trans-1,4-Dichloro-2-butene  
Concen: 57.98 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.100 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

Tgt Ion: 75 Resp: 137346  
Ion Ratio Lower Upper  
75 100  
53 0.0 67.0 100.4#  
89 0.0 39.6 59.4#

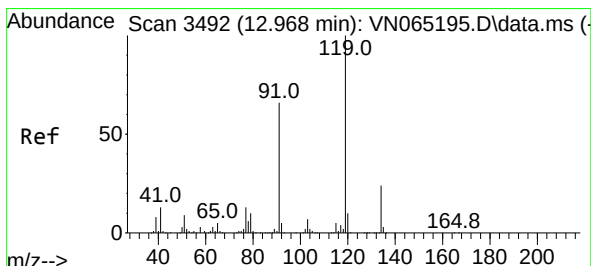
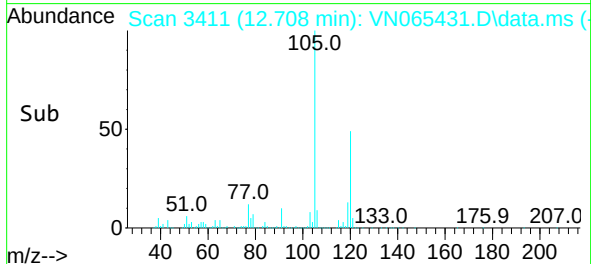
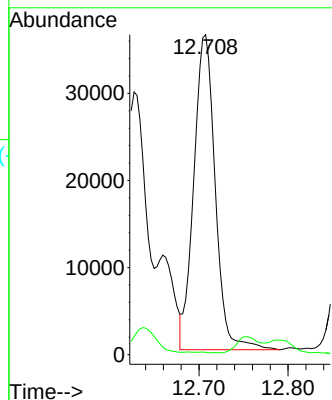
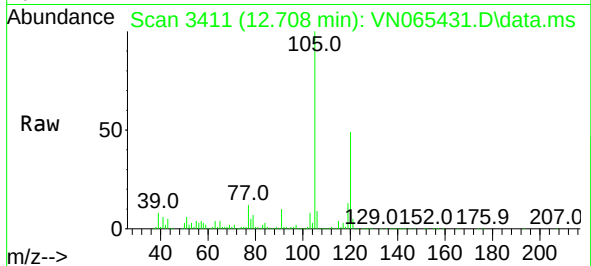




#82  
4-Chlorotoluene  
Concen: 3.96 ug/l  
RT: 12.708 min Scan# 3411  
Delta R.T. -0.039 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

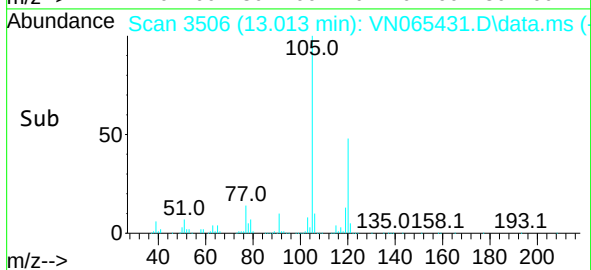
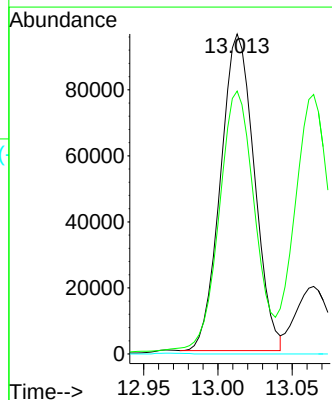
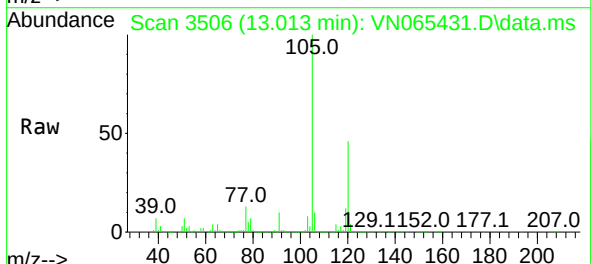
Instrument :  
MSVOA\_N  
ClientSampled :  
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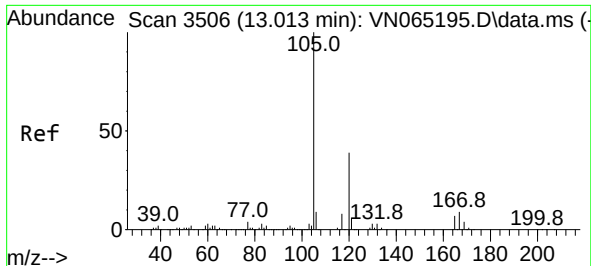
Tgt Ion: 91 Resp: 60504  
Ion Ratio Lower Upper  
91 100  
126 0.0 16.9 50.7#



#83  
tert-Butylbenzene  
Concen: 9.38 ug/l  
RT: 13.013 min Scan# 3506  
Delta R.T. 0.045 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

Tgt Ion: 119 Resp: 151879  
Ion Ratio Lower Upper  
119 100  
91 86.8 32.3 96.8  
134 0.0 12.6 37.6#

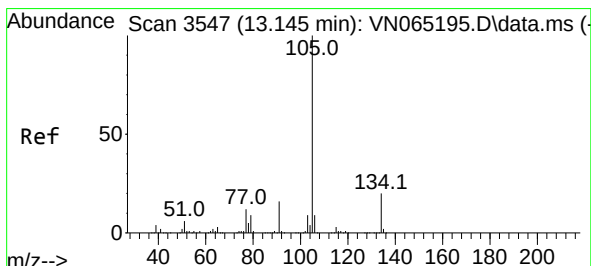
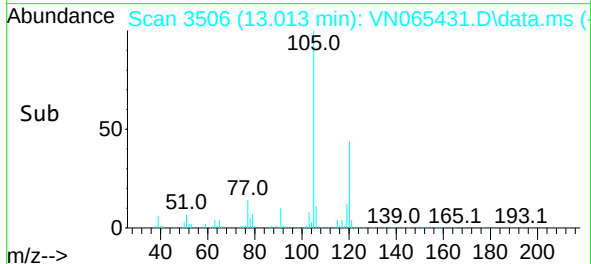
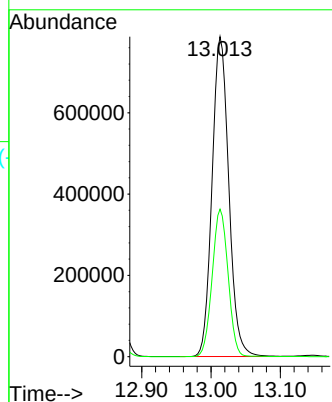
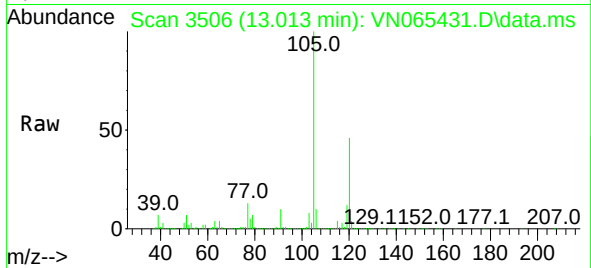




#84  
1,2,4-Trimethylbenzene  
Concen: 71.26 ug/l  
RT: 13.013 min Scan# 3506  
Delta R.T. -0.000 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

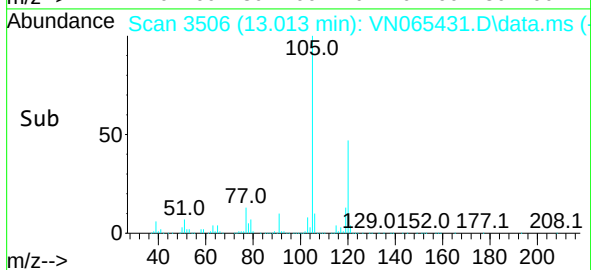
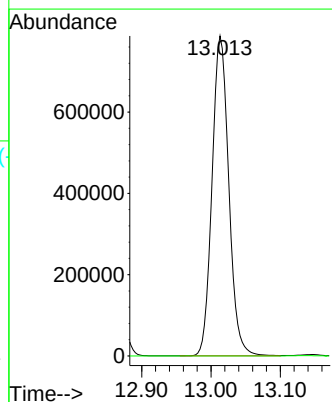
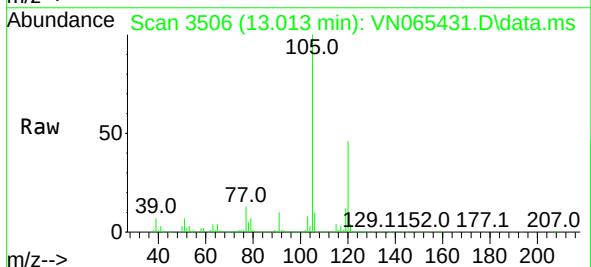
Instrument :  
MSVOA\_N  
ClientSampleId :  
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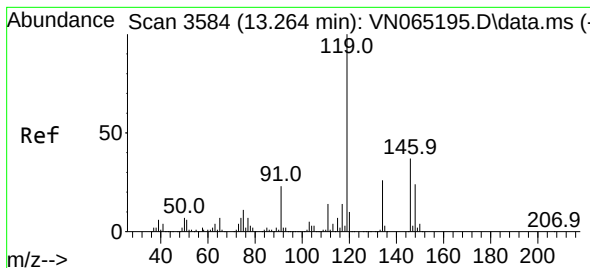
Tgt Ion:105 Resp: 1319238  
Ion Ratio Lower Upper  
105 100  
120 43.8 23.1 69.2



#85  
sec-Butylbenzene  
Concen: 61.38 ug/l  
RT: 13.013 min Scan# 3506  
Delta R.T. -0.132 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

Tgt Ion:105 Resp: 1319238  
Ion Ratio Lower Upper  
105 100  
134 0.0 10.1 30.1#

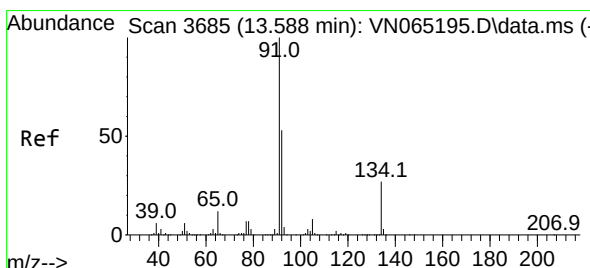
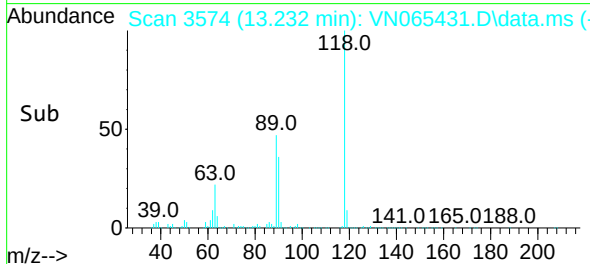
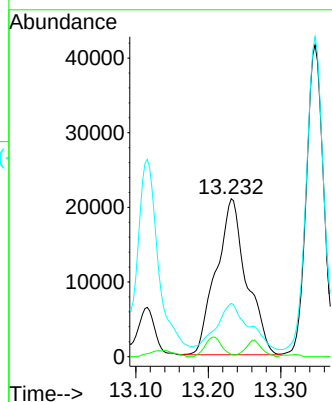
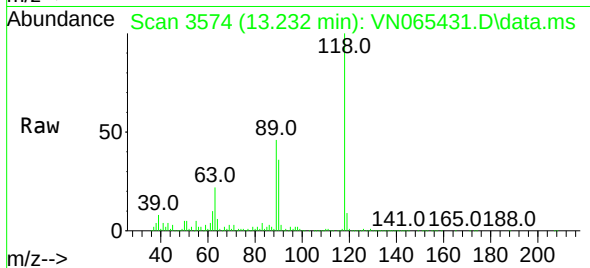




#86  
p-Isopropyltoluene  
Concen: 3.10 ug/l  
RT: 13.232 min Scan# 3574  
Delta R.T. -0.032 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

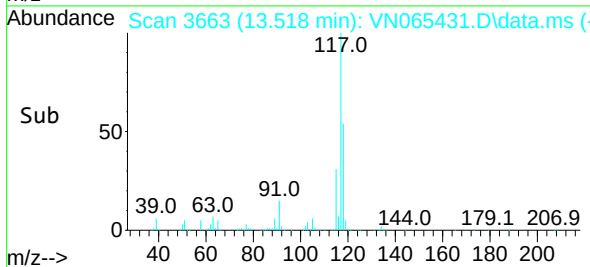
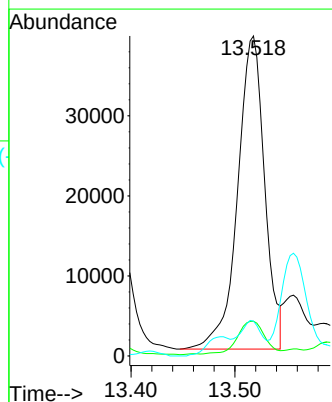
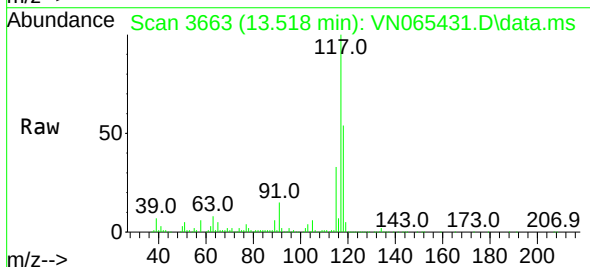
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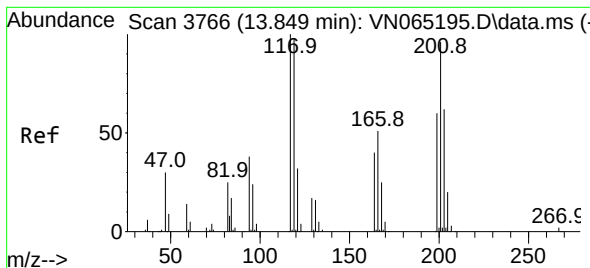
Tgt Ion:119 Resp: 60990  
Ion Ratio Lower Upper  
119 100  
134 0.0 13.1 39.1#  
91 22.4 11.5 34.5



#89  
n-Butylbenzene  
Concen: 4.20 ug/l  
RT: 13.518 min Scan# 3663  
Delta R.T. -0.070 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

Tgt Ion: 91 Resp: 70723  
Ion Ratio Lower Upper  
91 100  
92 10.3 26.0 78.0#  
134 5.2 12.9 38.6#

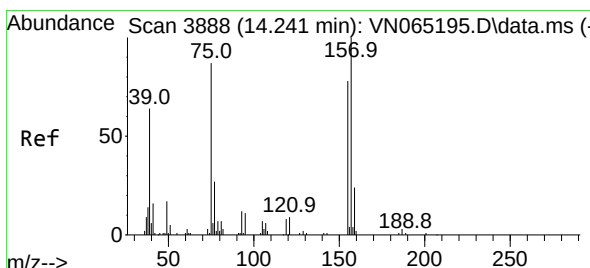
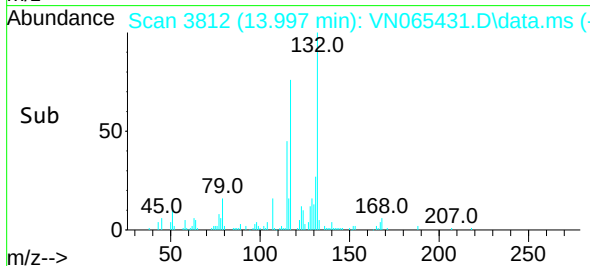
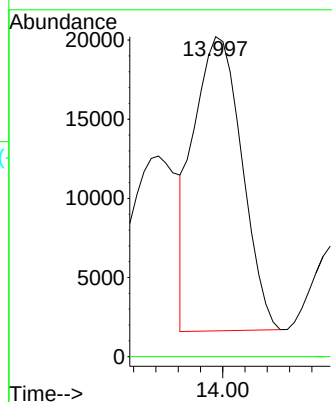
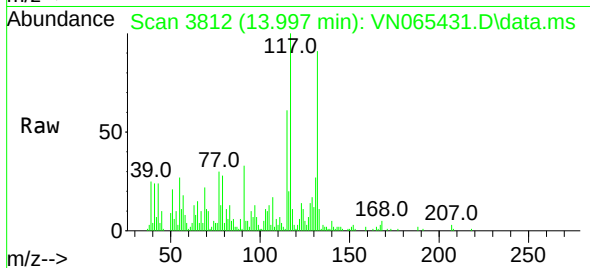




#90  
Hexachloroethane  
Concen: 8.21 ug/l  
RT: 13.997 min Scan# 3812  
Delta R.T. 0.148 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

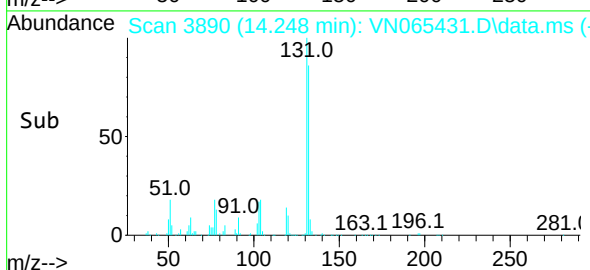
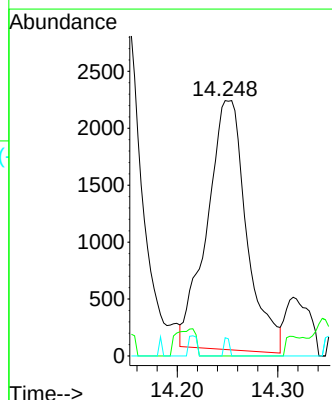
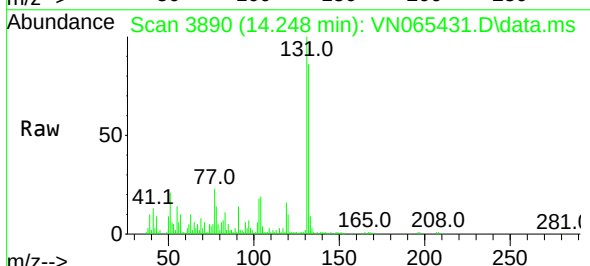
Instrument :  
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Tgt Ion:117 Resp: 27818  
Ion Ratio Lower Upper  
117 100  
201 0.0 40.1 120.3#

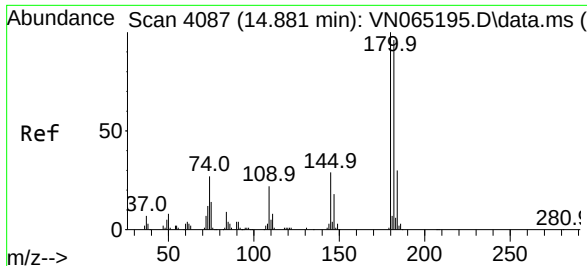


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 4.83 ug/l  
RT: 14.248 min Scan# 3890  
Delta R.T. 0.007 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

Tgt Ion: 75 Resp: 5979  
Ion Ratio Lower Upper  
75 100  
155 0.0 42.8 128.3#  
157 1.0 56.4 169.1#



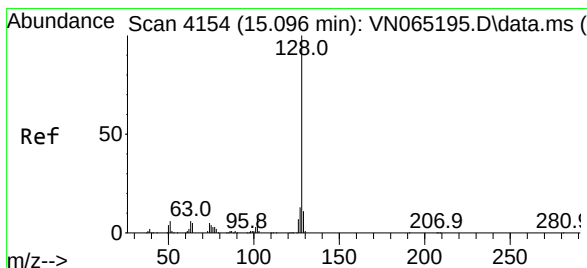
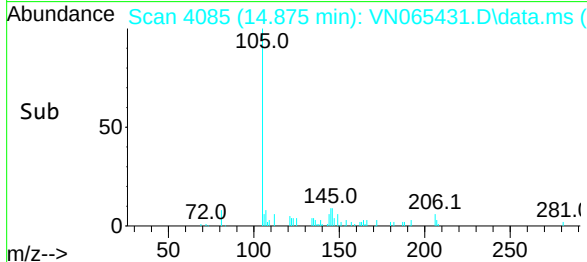
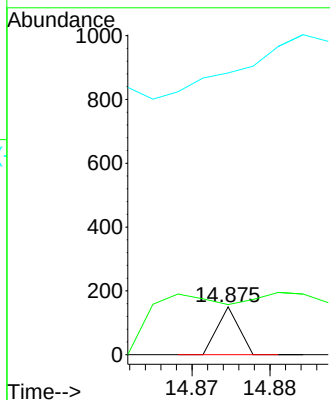
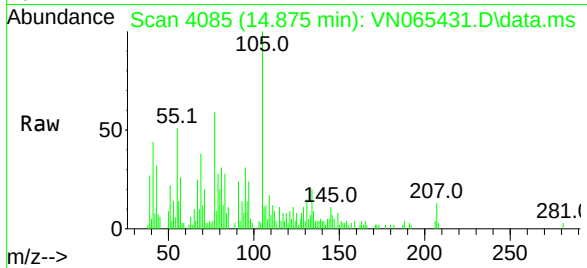




#93  
1,2,4-Trichlorobenzene  
Concen: 2.84 ug/l  
RT: 14.875 min Scan# 4085  
Delta R.T. -0.006 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

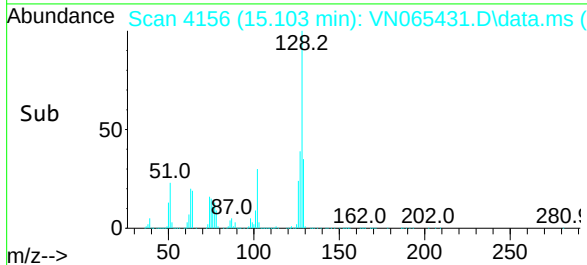
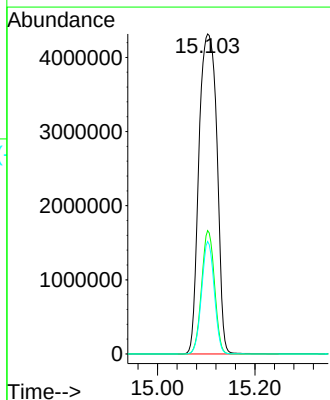
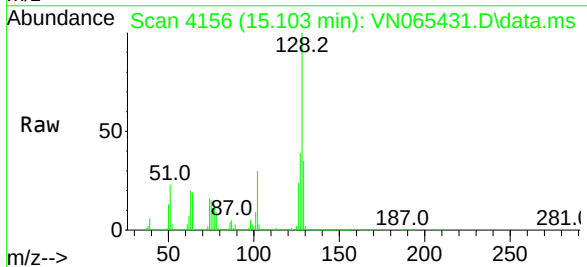
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ClientSampled :  
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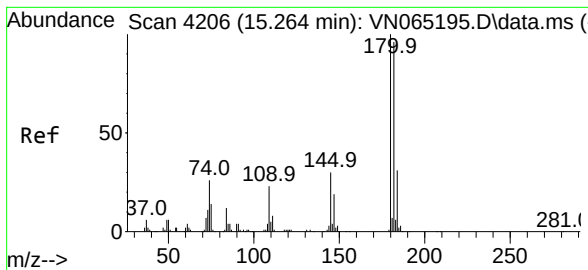
Tgt Ion:180 Resp: 29  
Ion Ratio Lower Upper  
180 100  
182 451.7 47.6 142.9#  
145 1862.1 15.3 45.8#



#95  
Naphthalene  
Concen: 682.90 ug/l  
RT: 15.103 min Scan# 4156  
Delta R.T. 0.007 min  
Lab File: VN065431.D  
Acq: 7 Jan 2021 16:54

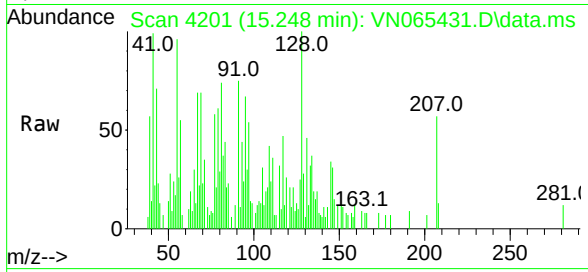
Tgt Ion:128 Resp:11054633  
Ion Ratio Lower Upper  
128 100  
127 27.6 10.3 15.5#  
129 24.7 8.7 13.1#





#96  
 1,2,3-Trichlorobenzene  
 Concen: 3.23 ug/l  
 RT: 15.248 min Scan# 4201  
 Delta R.T. -0.016 min  
 Lab File: VN065431.D  
 Acq: 7 Jan 2021 16:54

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
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Tgt Ion:180 Resp: 64  
 Ion Ratio Lower Upper  
 180 100  
 182 0.0 48.1 144.4#  
 145 1148.4 16.4 49.1#

