

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120320\  
 Data File : VN064895.D  
 Acq On : 3 Dec 2020 13:47  
 Operator : JC/MD  
 Sample : L4918-01  
 Misc : 5.08g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 20801

Quant Time: Dec 04 02:59:01 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N112320W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 23 13:54:12 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.62  | 168  | 180740   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.54  | 114  | 302871   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 305096   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 164650   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 33) 1,2-Dichloroethane-d4 | 7.98   | 65    | 101457   | 48.28    | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 61 - 141 | Recovery | =    | 96.56%  |
| 35) Dibromofluoromethane  | 7.54   | 113   | 86189    | 47.56    | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 69 - 133 | Recovery | =    | 95.12%  |
| 50) Toluene-d8            | 10.06  | 98    | 383547   | 51.80    | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 65 - 126 | Recovery | =    | 103.60% |
| 62) 4-Bromofluorobenzene  | 12.37  | 95    | 158929   | 59.97    | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 58 - 135 | Recovery | =    | 119.94% |

## Target Compounds

|                               |       |     |          |           | Qvalue |     |
|-------------------------------|-------|-----|----------|-----------|--------|-----|
| 5) Bromomethane               | 2.50  | 94  | 305      | 0.219     | ug/l # | 70  |
| 11) Tert butyl alcohol        | 4.74  | 59  | 108      | 0.330     | ug/l # | 73  |
| 13) Acrolein                  | 3.79  | 56  | 4327     | 21.618    | ug/l # | 1   |
| 16) Acetone                   | 3.78  | 43  | 15176784 | 21972.069 | ug/l # | 56  |
| 18) Methyl Acetate            | 4.28  | 43  | 12581    | 6.058     | ug/l # | 83  |
| 20) Methylene Chloride        | 4.48  | 84  | 754      | 0.348     | ug/l # | 80  |
| 25) 2-Butanone                | 6.78  | 43  | 5108     | 4.562     | ug/l # | 70  |
| 29) Tetrahydrofuran           | 7.18  | 42  | 690      | 0.893     | ug/l # | 32  |
| 30) Chloroform                | 7.34  | 83  | 1300     | 0.365     | ug/l # | 1   |
| 31) Cyclohexane               | 7.59  | 56  | 320757   | 109.526   | ug/l # | 47  |
| 36) 1,1-Dichloropropene       | 7.61  | 75  | 12834    | 4.572     | ug/l # | 48  |
| 38) Carbon Tetrachloride      | 7.62  | 117 | 16935    | 5.798     | ug/l # | 16  |
| 39) Methylcyclohexane         | 9.04  | 83  | 254136   | 84.093    | ug/l   | 99  |
| 40) Benzene                   | 7.99  | 78  | 20210    | 2.349     | ug/l   | 98  |
| 41) Methacrylonitrile         | 7.34  | 41  | 22754    | 18.236    | ug/l # | 49  |
| 43) Isopropyl Acetate         | 8.10  | 43  | 166921   | 38.360    | ug/l # | 59  |
| 47) Bromodichloromethane      | 9.33  | 83  | 4237     | 1.415     | ug/l # | 51  |
| 48) Methyl methacrylate       | 9.18  | 41  | 7993     | 3.844     | ug/l # | 54  |
| 51) 4-Methyl-2-Pentanone      | 9.96  | 43  | 8876     | 3.398     | ug/l # | 63  |
| 52) Toluene                   | 10.12 | 92  | 8701485  | 1642.469  | ug/l # | 64  |
| 53) t-1,3-Dichloropropene     | 10.12 | 75  | 135556   | 40.641    | ug/l # | 1   |
| 55) 1,1,2-Trichloroethane     | 10.50 | 97  | 32706    | 15.013    | ug/l # | 18  |
| 56) Ethyl methacrylate        | 10.36 | 69  | 6897     | 2.294     | ug/l # | 27  |
| 59) 2-Hexanone                | 10.69 | 43  | 63628    | 33.844    | ug/l # | 27  |
| 67) Ethyl Benzene             | 11.48 | 91  | 542092   | 49.527    | ug/l   | 100 |
| 68) m/p-Xylenes               | 11.59 | 106 | 783655   | 189.107   | ug/l   | 99  |
| 69) o-Xylene                  | 11.92 | 106 | 338719   | 86.135    | ug/l   | 100 |
| 70) Styrene                   | 11.92 | 104 | 17298    | 2.606     | ug/l # | 1   |
| 73) Isopropylbenzene          | 12.22 | 105 | 147197   | 12.853    | ug/l   | 99  |
| 74) N-amyl acetate            | 12.02 | 43  | 195539   | 43.386    | ug/l # | 57  |
| 75) 1,1,2,2-Tetrachloroethane | 12.53 | 83  | 57157    | 17.027    | ug/l # | 24  |
| 76) 1,2,3-Trichloropropane    | 12.56 | 75  | 3874     | 1.093     | ug/l # | 100 |
| 78) n-propylbenzene           | 12.56 | 91  | 642613   | 49.255    | ug/l   | 100 |
| 79) 2-Chlorotoluene           | 12.63 | 91  | 180298   | 22.356    | ug/l # | 40  |

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 Quant Title : SW846 8260  
 QLast Update : Mon Nov 23 13:54:12 2020  
 Response via : Initial Calibration

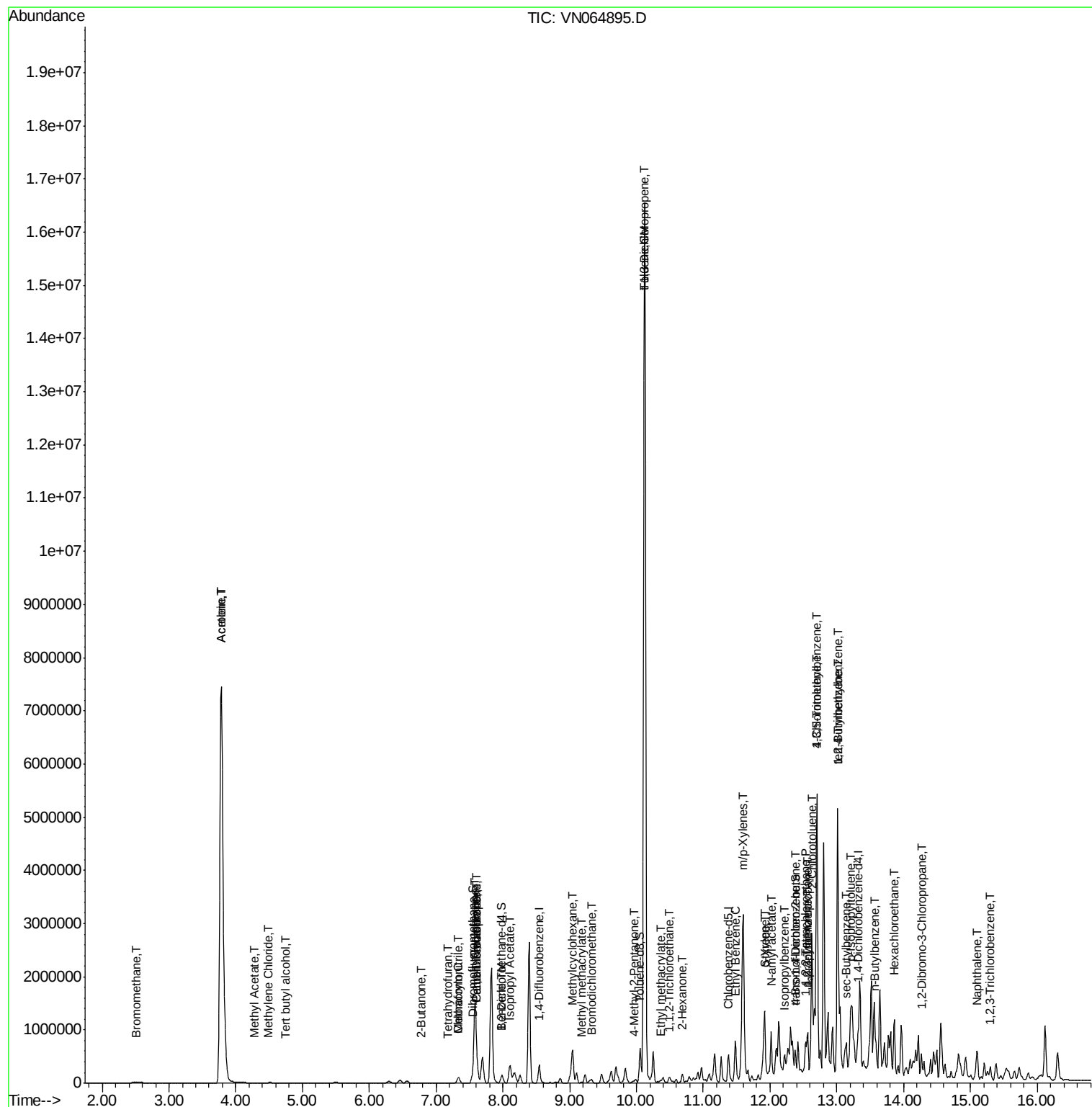
| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 80) 1,3,5-Trimethylbenzene     | 12.70 | 105  | 729660   | 76.651  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.37 | 75   | 74207    | 57.358  | ug/l # | 15       |
| 82) 4-Chlorotoluene            | 12.70 | 91   | 77653    | 9.186   | ug/l # | 50       |
| 83) tert-Butylbenzene          | 13.01 | 119  | 349376   | 43.787  | ug/l # | 73       |
| 84) 1,2,4-Trimethylbenzene     | 13.01 | 105  | 2799460  | 290.862 | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.14 | 105  | 242442   | 22.885  | ug/l   | 79       |
| 86) p-Isopropyltoluene         | 13.21 | 119  | 291018   | 30.173  | ug/l   | 97       |
| 89) n-Butylbenzene             | 13.59 | 91   | 409584   | 48.356  | ug/l # | 73       |
| 90) Hexachloroethane           | 13.86 | 117  | 48318    | 28.837  | ug/l # | 9        |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 1473     | 1.950   | ug/l # | 1        |
| 95) Naphthalene                | 15.10 | 128  | 423425   | 42.418  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene     | 15.28 | 180  | 366      | 1.504   | ug/l # | 45       |

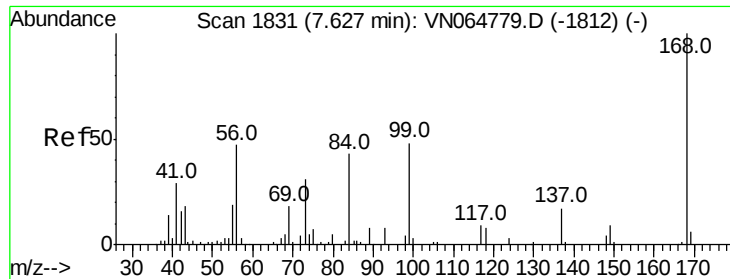
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. -0.01 min

Lab File: VN064895.D

Acq: 3 Dec 2020 13:47

Instrument :

MSVOA\_N

ClientSampled :

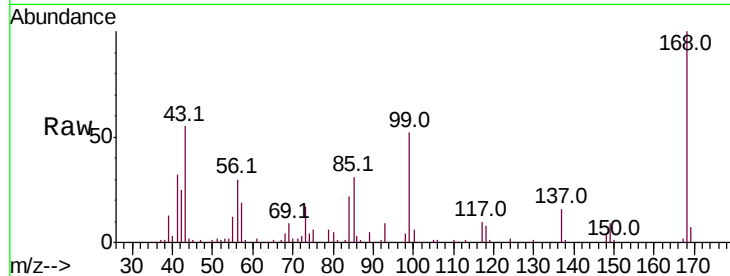
20801

Tot Ion:168 Resp: 180740

Ion Ratio Lower Upper

168 100

99 51.9 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

80000

60000

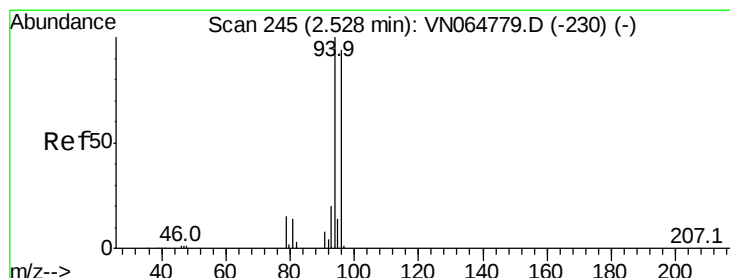
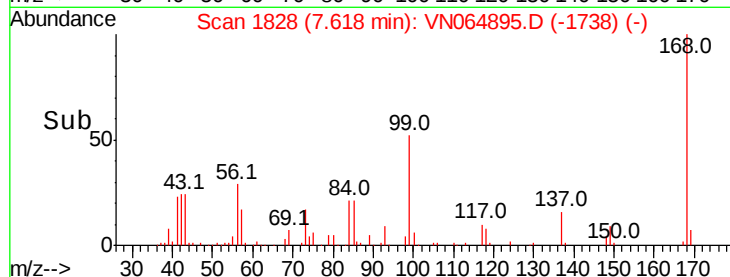
40000

20000

0

Time-->

7.50 7.60 7.70



#5

Bromomethane

Concen: 0.219 ug/l

RT: 2.50 min Scan# 235

Delta R.T. -0.03 min

Lab File: VN064895.D

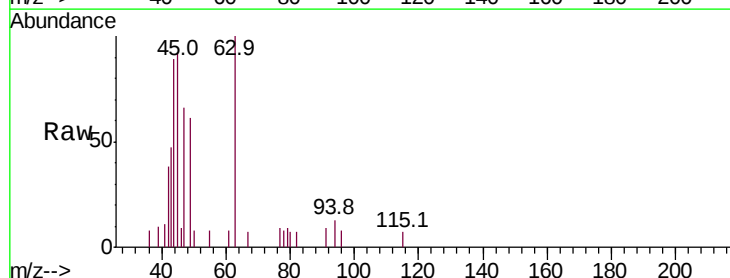
Acq: 3 Dec 2020 13:47

Tgt Ion: 94 Resp: 305

Ion Ratio Lower Upper

94 100

96 64.8 75.4 113.0#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.50

300

250

200

150

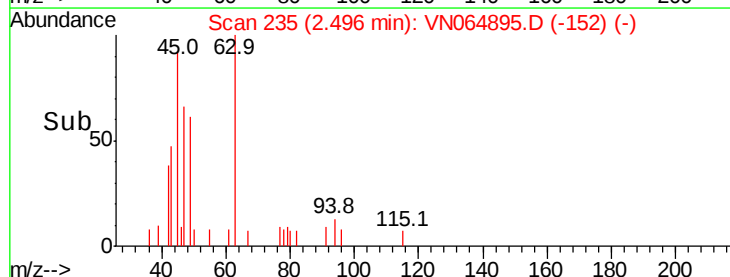
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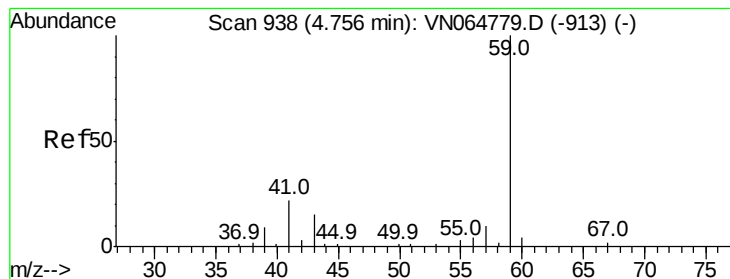
50

0

Time-->

2.48 2.50 2.52



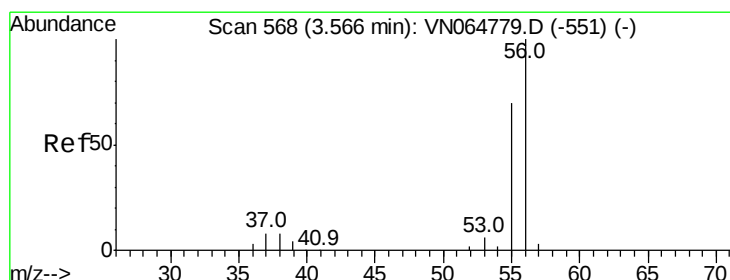
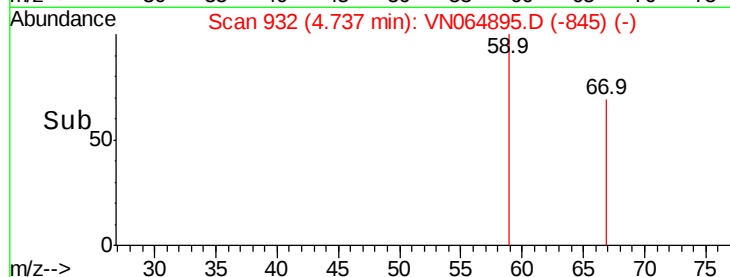
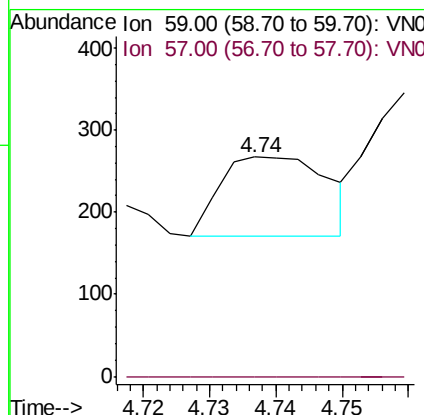
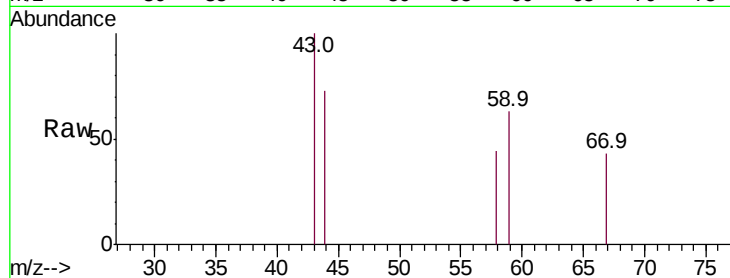


#11

Tert butyl alcohol  
 Concen: 0.330 ug/l  
 RT: 4.74 min Scan# 932  
 Delta R.T. -0.02 min  
 Lab File: VN064895.D  
 Acq: 3 Dec 2020 13:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 20801

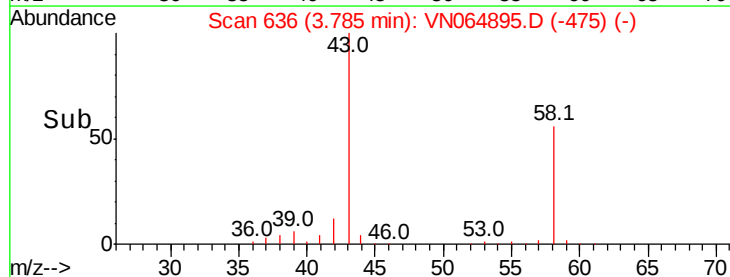
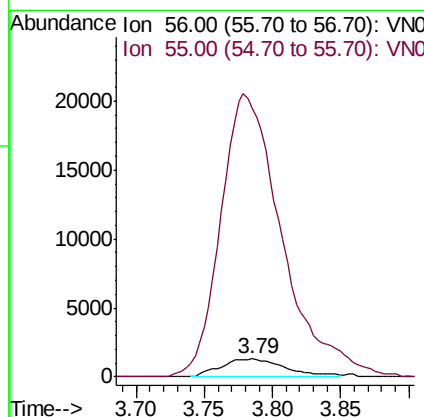
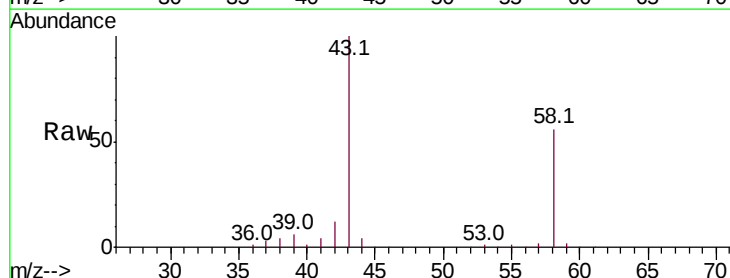
Tot Ion: 59 Resp: 108  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 7.9 11.9#

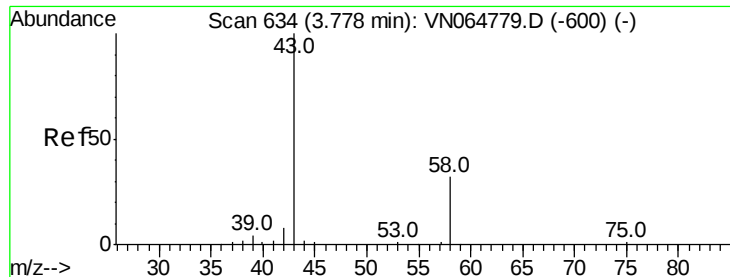


#13

Acrolein  
 Concen: 21.618 ug/l  
 RT: 3.79 min Scan# 636  
 Delta R.T. 0.22 min  
 Lab File: VN064895.D  
 Acq: 3 Dec 2020 13:47

Tgt Ion: 56 Resp: 4327  
 Ion Ratio Lower Upper  
 56 100  
 55 1450.7 56.5 84.7#





#16

Acetone

Concen: 21972.069 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN064895.D

Acq: 3 Dec 2020 13:47

Instrument :

MSVOA\_N

ClientSampled :

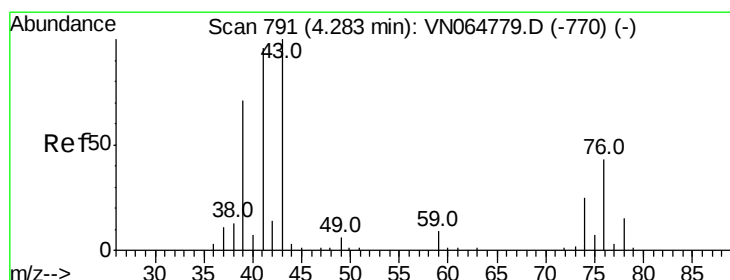
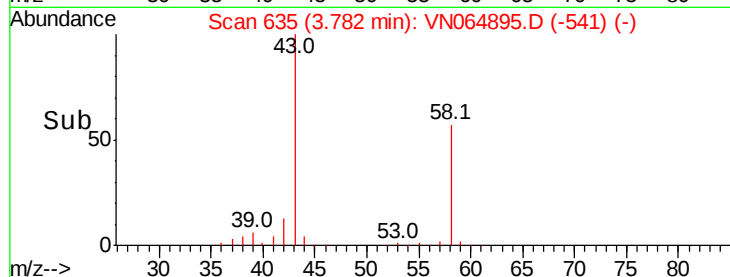
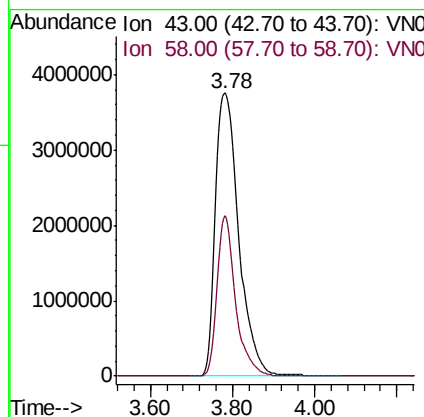
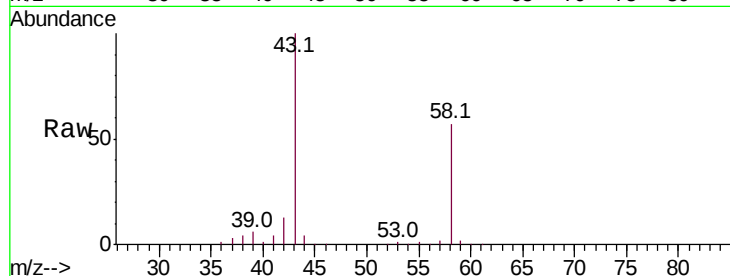
20801

Tot Ion: 43 Resp:15176784

Ion Ratio Lower Upper

43 100

58 56.6 25.7 38.5#



#18

Methyl Acetate

Concen: 6.058 ug/l

RT: 4.28 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN064895.D

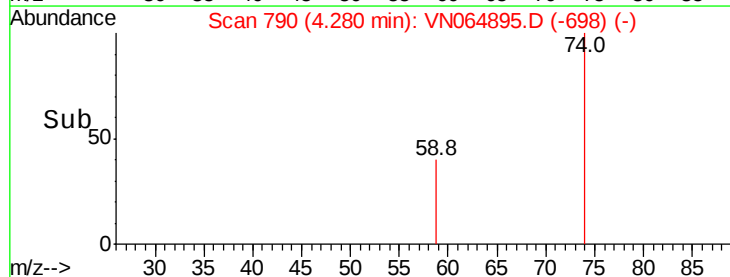
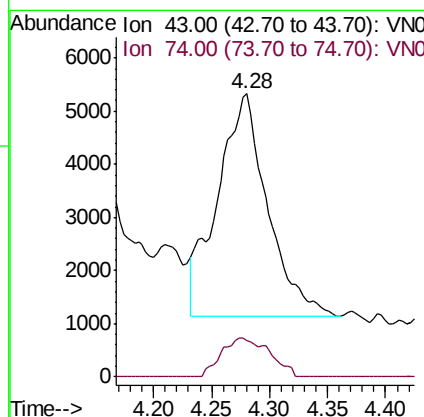
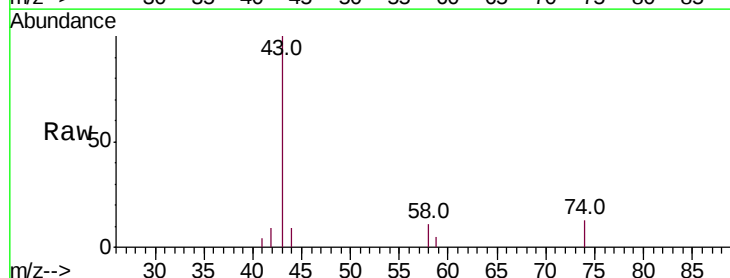
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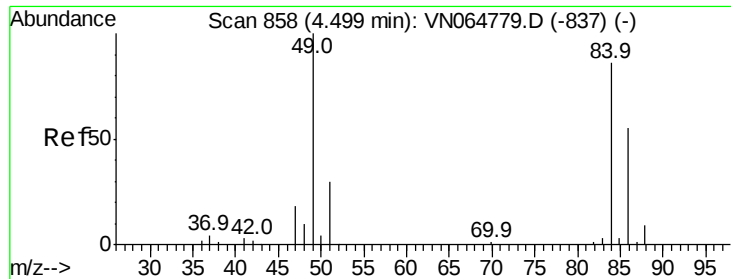
Tgt Ion: 43 Resp: 12581

Ion Ratio Lower Upper

43 100

74 16.8 20.2 30.2#

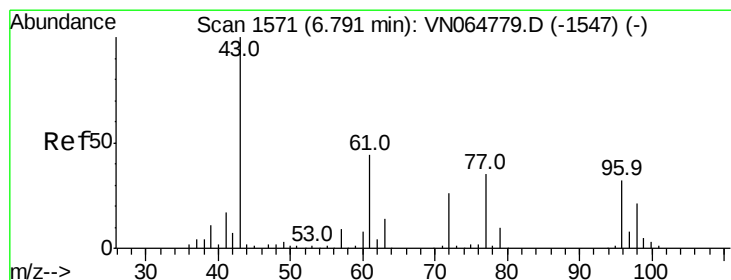
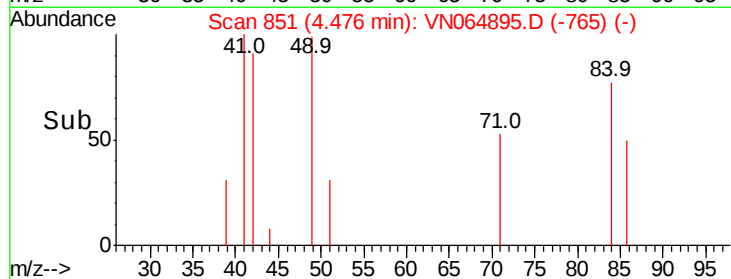
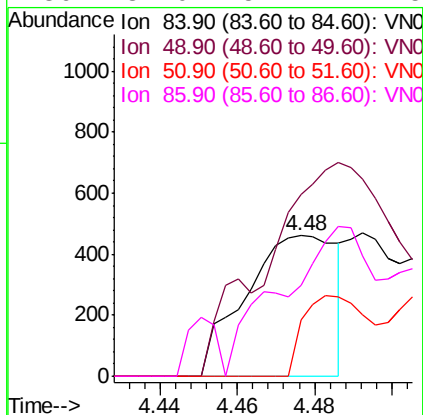
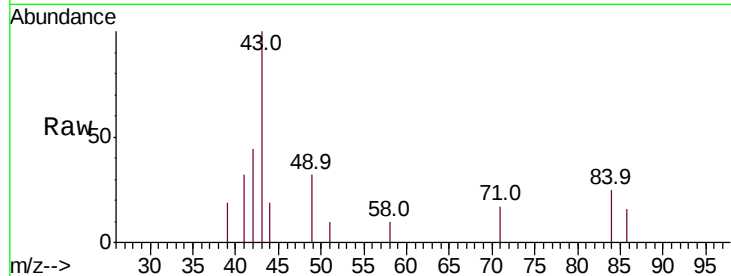




#20  
Methvlene Chloride  
Concen: 0.348 ug/l  
RT: 4.48 min Scan# 851  
Delta R.T. -0.02 min  
Lab File: VN064895.D  
Acq: 3 Dec 2020 13:47

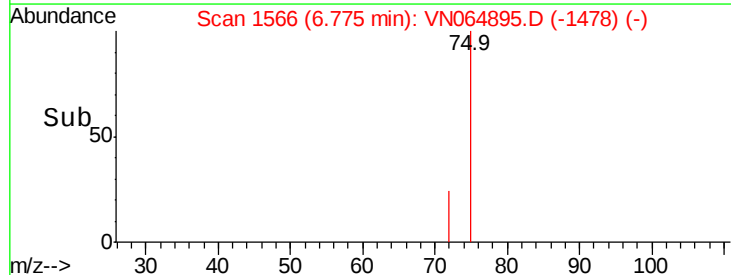
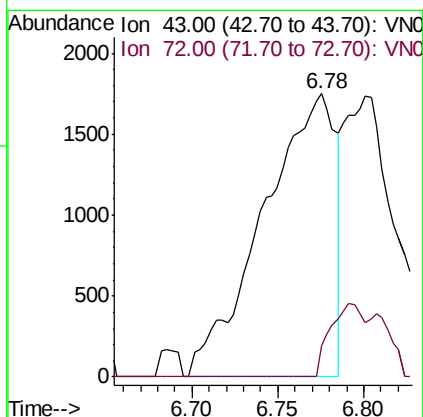
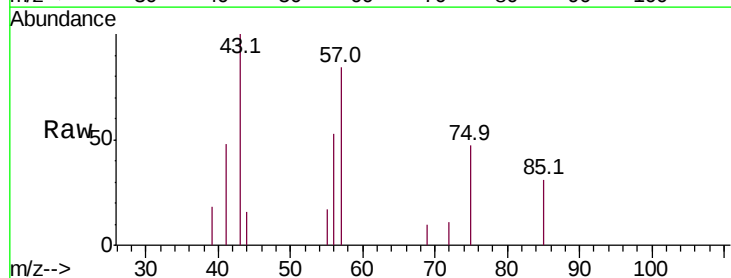
Instrument :  
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ClientSampled :  
20801

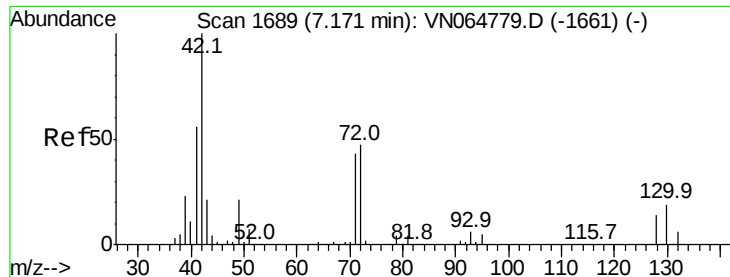
Tot Ion: 84 Resp: 754  
Ion Ratio Lower Upper  
84 100  
49 129.3 93.4 140.0  
51 40.2 28.2 42.4  
86 32.0 51.7 77.5#



#25  
2-Butanone  
Concen: 4.562 ug/l  
RT: 6.78 min Scan# 1566  
Delta R.T. -0.02 min  
Lab File: VN064895.D  
Acq: 3 Dec 2020 13:47

Tgt Ion: 43 Resp: 5108  
Ion Ratio Lower Upper  
43 100  
72 11.1 21.0 31.6#





#29

Tetrahydrofuran

Concen: 0.893 ug/l

RT: 7.18 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VN064895.D

Acq: 3 Dec 2020 13:47

Instrument :  
MSVOA\_N  
ClientSampled :  
20801

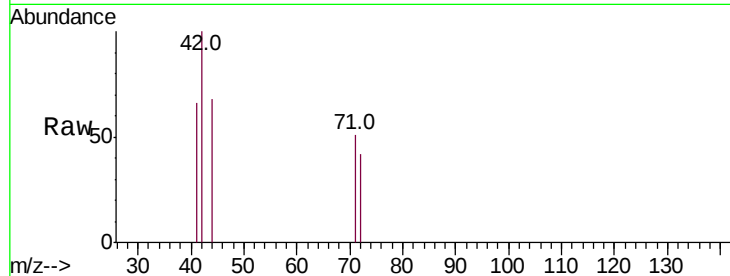
Tot Ion: 42 Resp: 690

Ion Ratio Lower Upper

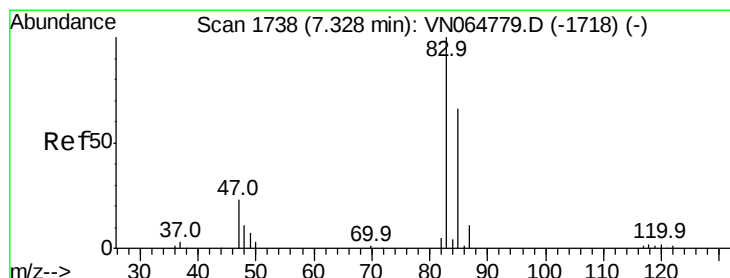
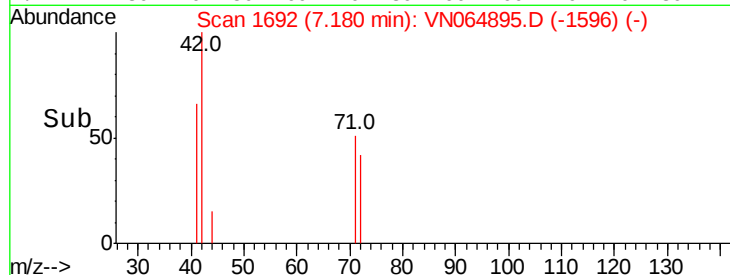
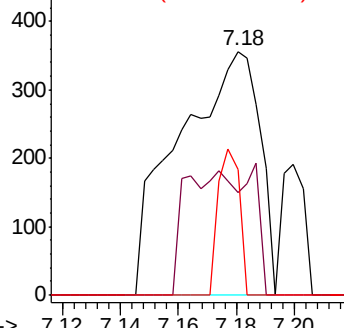
42 100

72 0.0 36.6 54.8#

71 0.0 33.6 50.4#



Abundance Ion 42.00 (41.70 to 42.70): VN0  
Ion 72.00 (71.70 to 72.70): VN0  
Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 0.365 ug/l

RT: 7.34 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VN064895.D

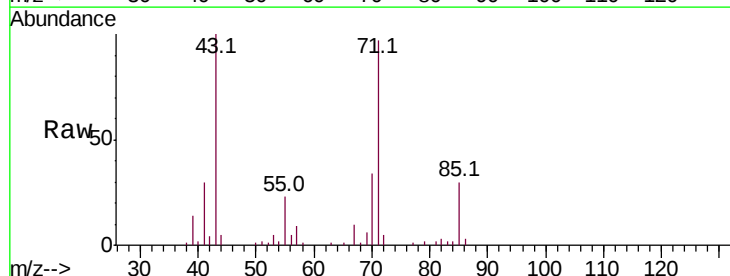
Acq: 3 Dec 2020 13:47

Tgt Ion: 83 Resp: 1300

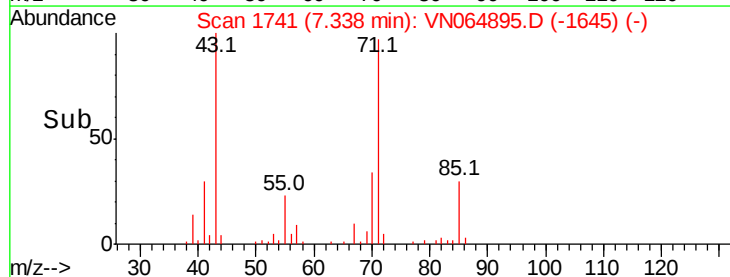
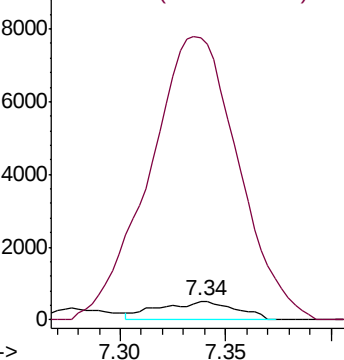
Ion Ratio Lower Upper

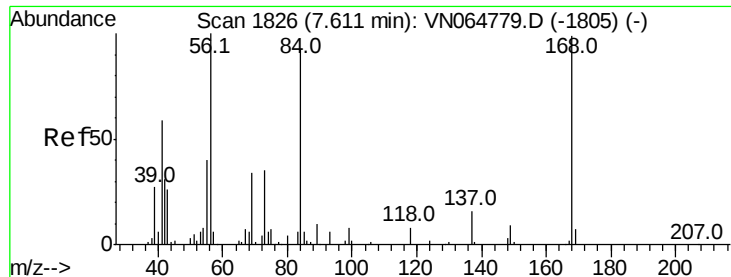
83 100

85 1296.7 52.6 78.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0  
Ion 84.90 (84.60 to 85.60): VN0

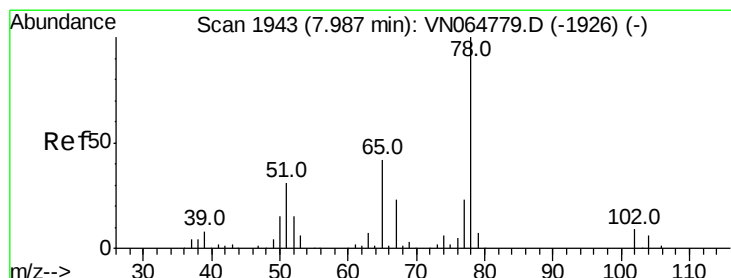
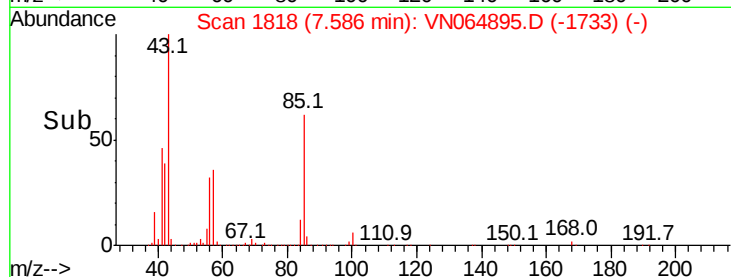
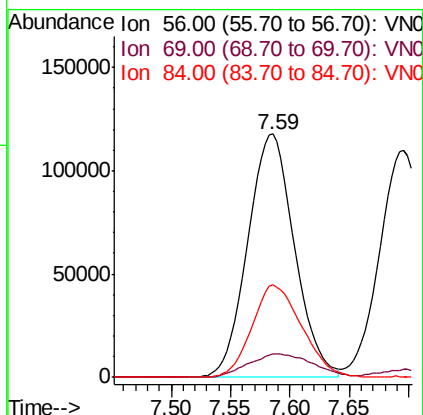
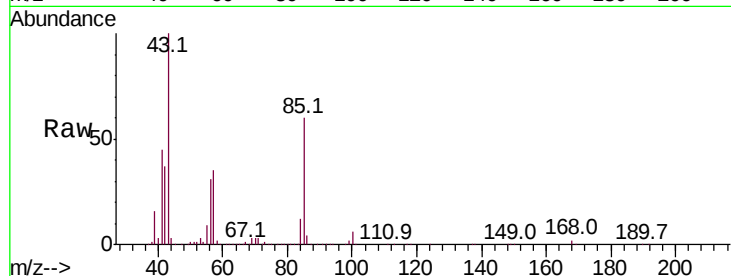




#31  
Cyclohexane  
Concen: 109.526 ug/l  
RT: 7.59 min Scan# 1818  
Delta R.T. -0.03 min  
Lab File: VN064895.D  
Acq: 3 Dec 2020 13:47

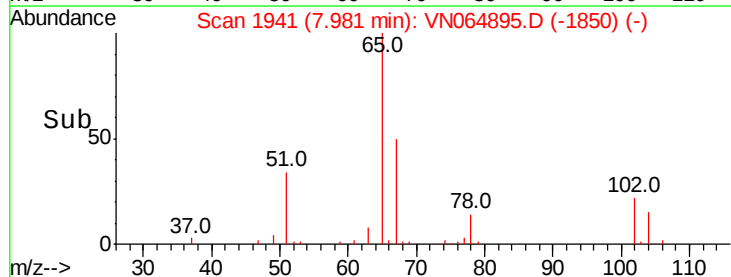
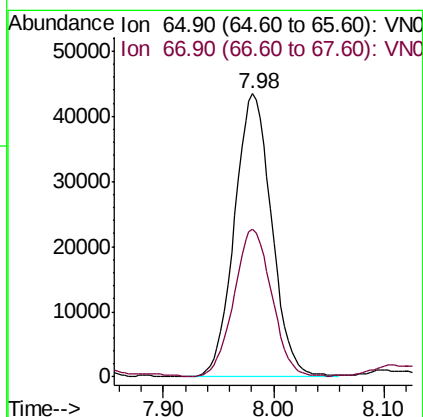
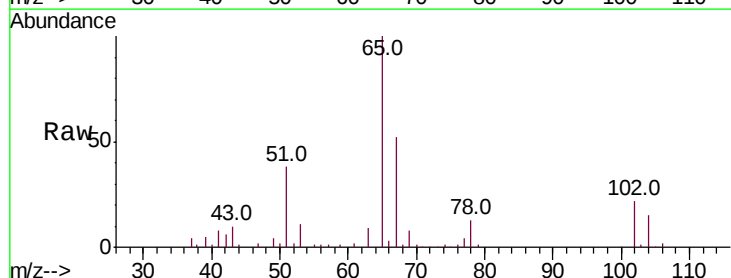
Instrument :  
MSVOA\_N  
ClientSampled :  
20801

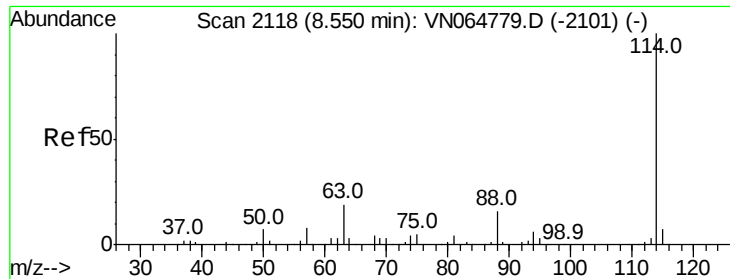
Tot Ion: 56 Resp: 320757  
Ion Ratio Lower Upper  
56 100  
69 9.5 27.5 41.3#  
84 37.8 73.9 110.9#



#33  
1,2-Dichloroethane-d4  
Concen: 48.285 ug/l  
RT: 7.98 min Scan# 1941  
Delta R.T. -0.01 min  
Lab File: VN064895.D  
Acq: 3 Dec 2020 13:47

Tgt Ion: 65 Resp: 101457  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 108.2

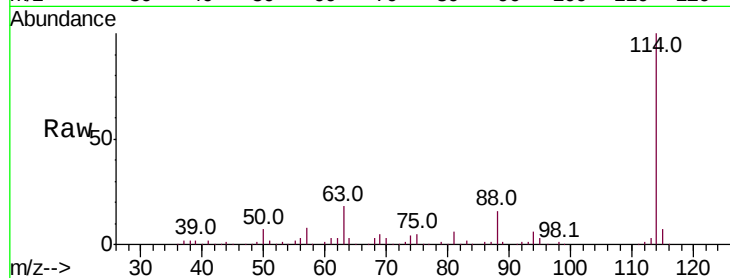




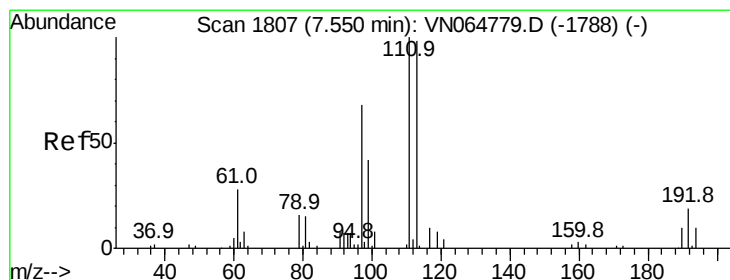
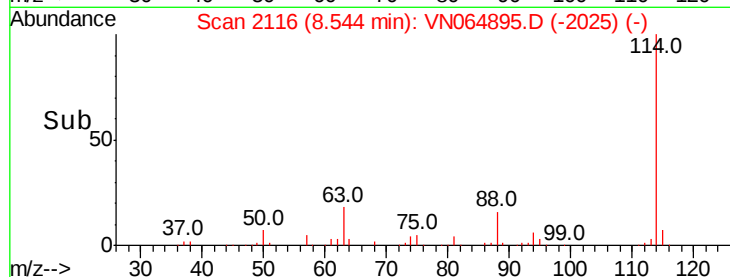
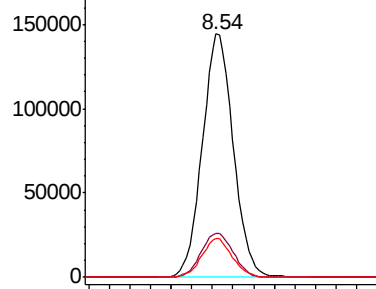
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.54 min Scan# 2116  
 Delta R.T. -0.01 min  
 Lab File: VN064895.D  
 Acq: 3 Dec 2020 13:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 20801

Tot Ion:114 Resp: 302871  
 Ion Ratio Lower Upper  
 114 100  
 63 18.1 0.0 38.6  
 88 16.0 0.0 32.6

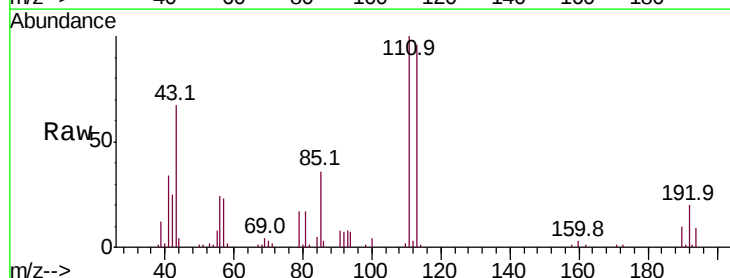


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

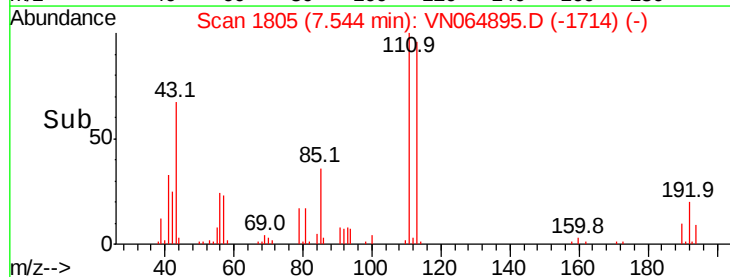
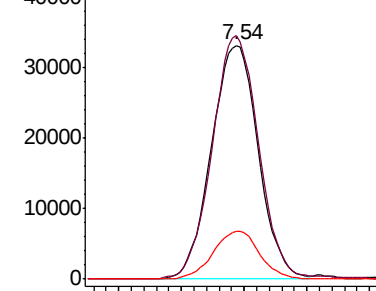


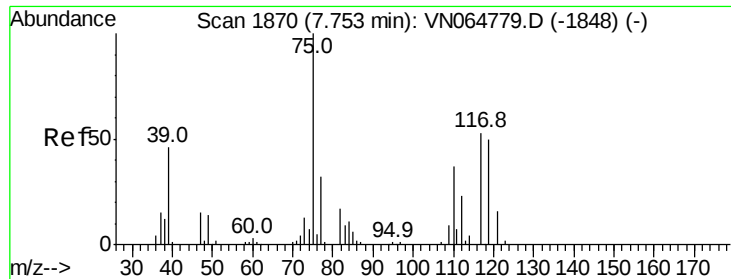
#35  
 Dibromofluoromethane  
 Concen: 47.558 ug/l  
 RT: 7.54 min Scan# 1805  
 Delta R.T. -0.01 min  
 Lab File: VN064895.D  
 Acq: 3 Dec 2020 13:47

Tgt Ion:113 Resp: 86189  
 Ion Ratio Lower Upper  
 113 100  
 111 103.4 81.6 122.4  
 192 20.1 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

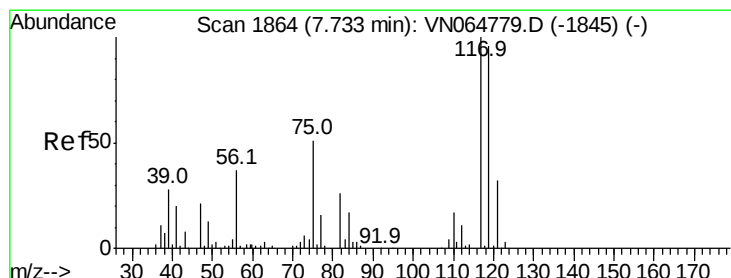
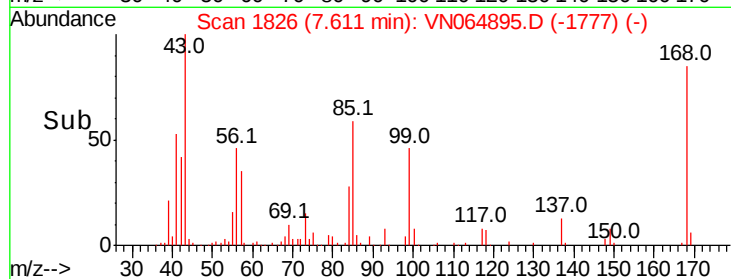
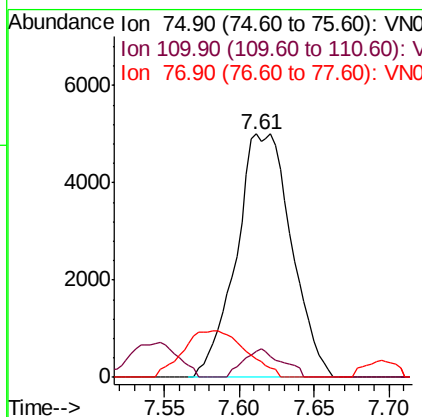
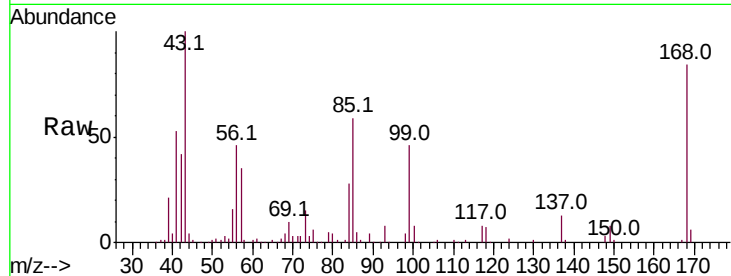




#36  
 1,1-Dichloropropene  
 Concen: 4.572 ug/l  
 RT: 7.61 min Scan# 1826  
 Delta R.T. -0.14 min  
 Lab File: VN064895.D  
 Acq: 3 Dec 2020 13:47

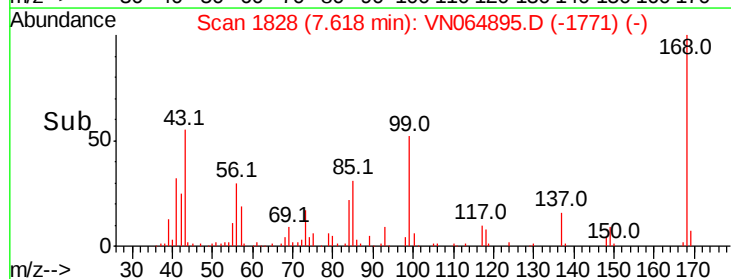
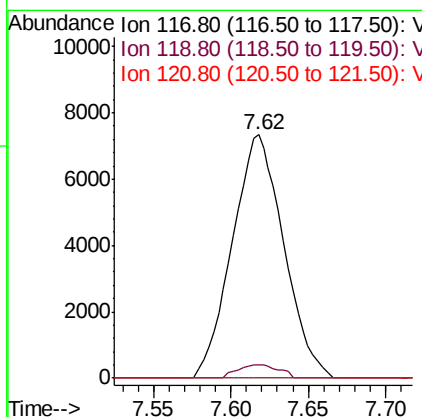
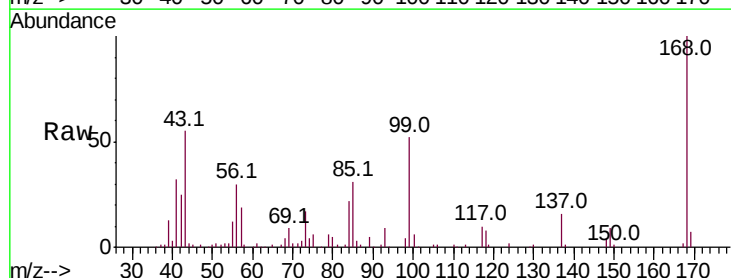
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 20801

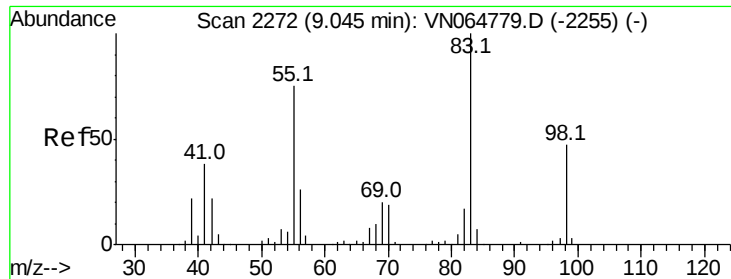
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 7.9   | 17.8  | 53.3# |
| 77      | 0.0   | 25.0  | 37.4# |



#38  
 Carbon Tetrachloride  
 Concen: 5.798 ug/l  
 RT: 7.62 min Scan# 1828  
 Delta R.T. -0.12 min  
 Lab File: VN064895.D  
 Acq: 3 Dec 2020 13:47

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 5.6   | 76.7  | 115.1# |
| 121     | 0.0   | 25.4  | 38.2#  |

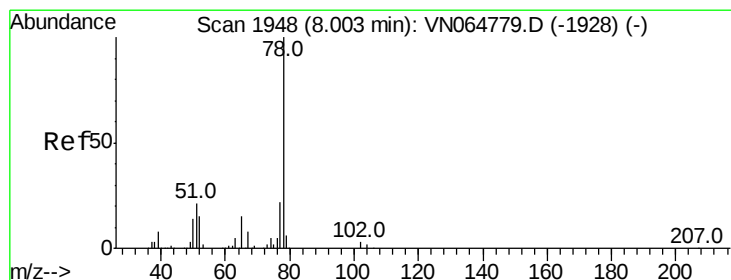
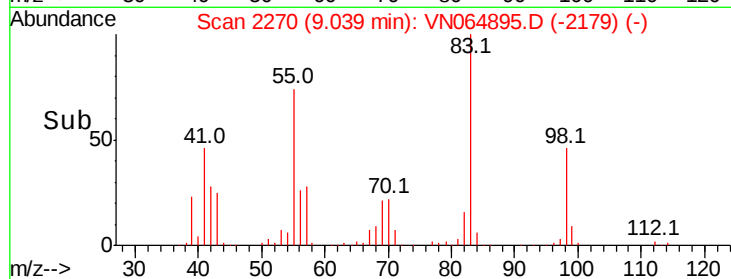
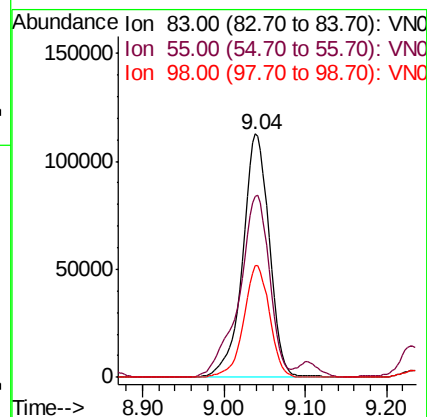
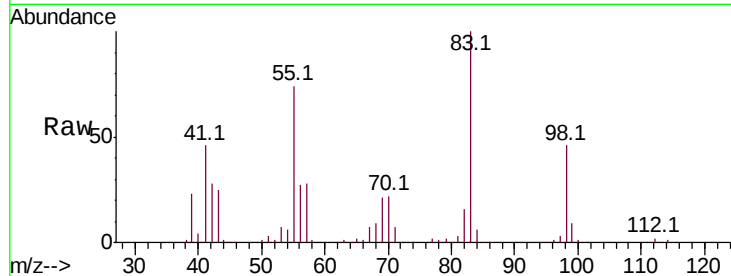




#39  
Methvlcvclohexane  
Concen: 84.093 ug/l  
RT: 9.04 min Scan# 2270  
Delta R.T. -0.01 min  
Lab File: VN064895.D  
Acq: 3 Dec 2020 13:47

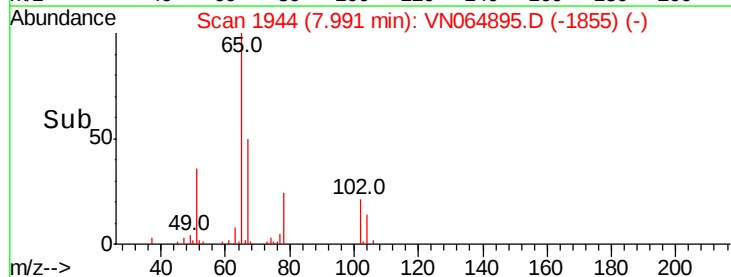
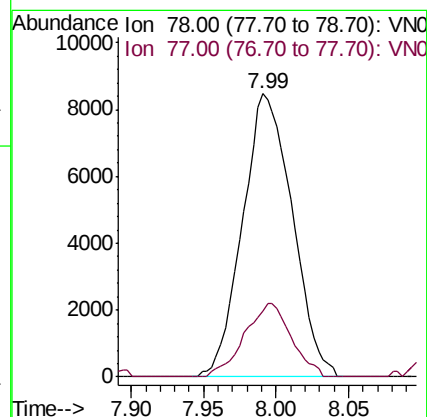
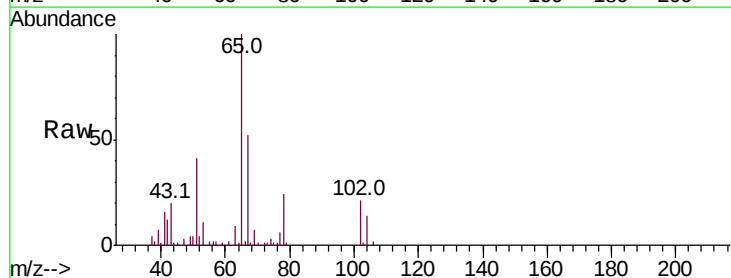
Instrument :  
MSVOA\_N  
ClientSampled :  
20801

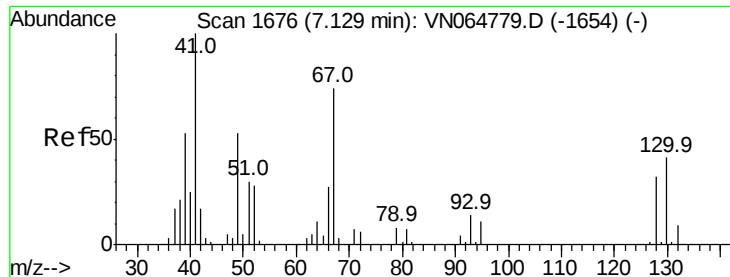
Tot Ion: 83 Resp: 254136  
Ion Ratio Lower Upper  
83 100  
55 74.1 60.2 90.2  
98 45.7 37.4 56.2



#40  
Benzene  
Concen: 2.349 ug/l  
RT: 7.99 min Scan# 1944  
Delta R.T. -0.01 min  
Lab File: VN064895.D  
Acq: 3 Dec 2020 13:47

Tgt Ion: 78 Resp: 20210  
Ion Ratio Lower Upper  
78 100  
77 23.4 17.9 26.9

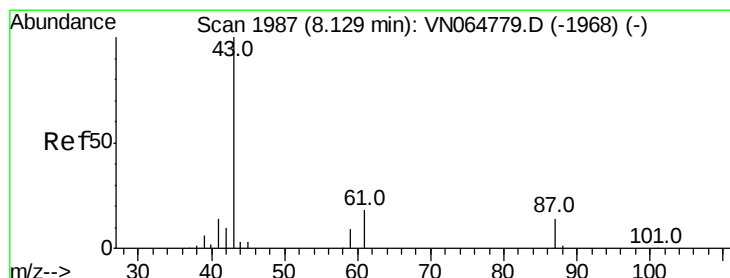
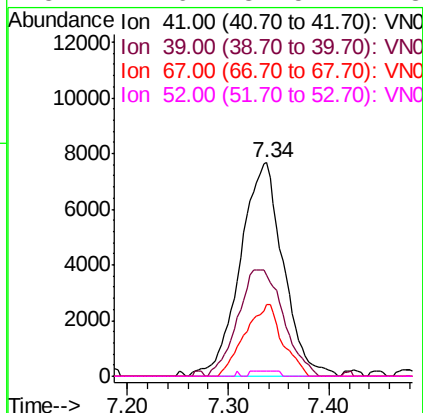
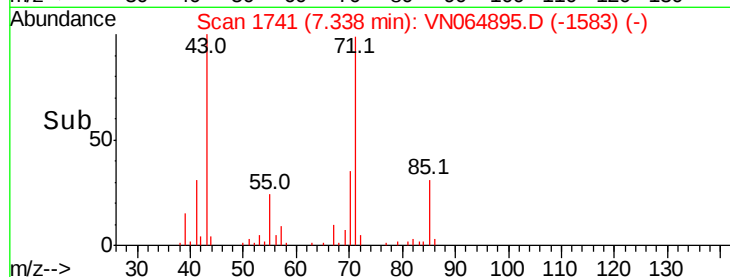
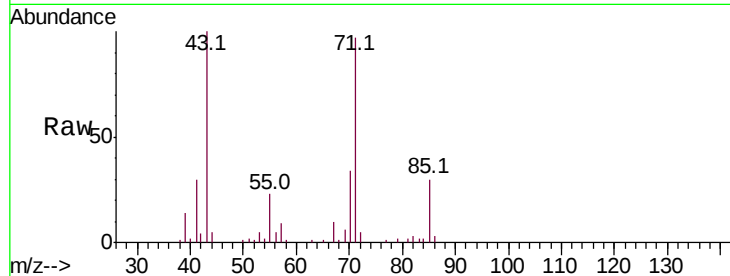




#41  
Methacrylonitrile  
Concen: 18.236 ug/l  
RT: 7.34 min Scan# 1741  
Delta R.T. 0.21 min  
Lab File: VN064895.D  
Acq: 3 Dec 2020 13:47

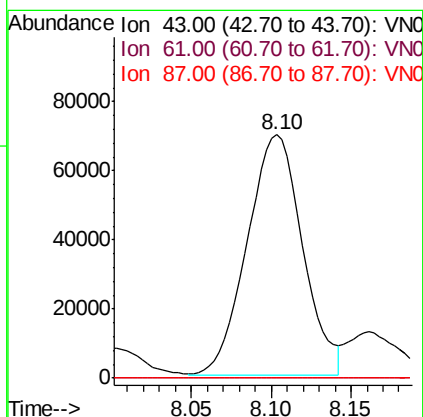
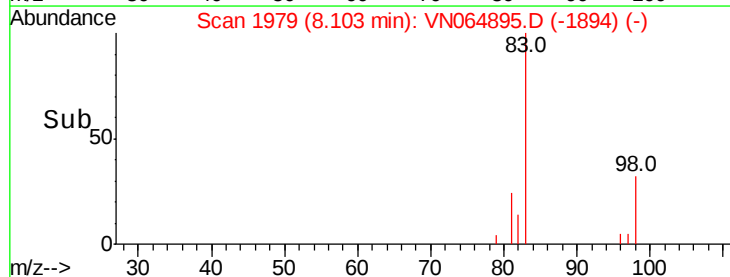
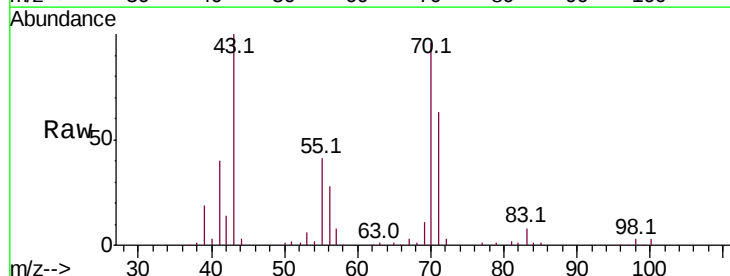
Instrument :  
MSVOA\_N  
ClientSampled :  
20801

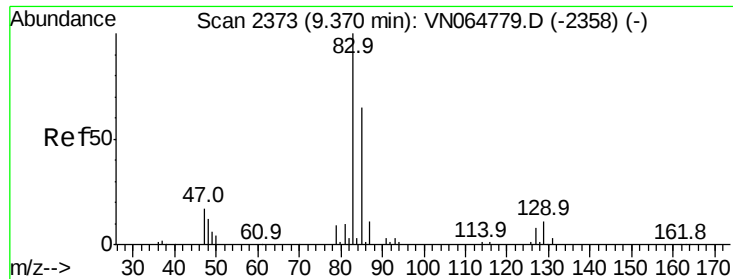
Tot Ion: 41 Resp: 22754  
Ion Ratio Lower Upper  
41 100  
39 52.6 51.0 76.6  
67 29.3 79.8 119.8#  
52 1.6 31.5 47.3#



#43  
Isopropyl Acetate  
Concen: 38.360 ug/l  
RT: 8.10 min Scan# 1979  
Delta R.T. -0.03 min  
Lab File: VN064895.D  
Acq: 3 Dec 2020 13:47

Tgt Ion: 43 Resp: 166921  
Ion Ratio Lower Upper  
43 100  
61 0.0 17.2 25.8#  
87 0.0 11.4 17.0#





#47

Bromodichloromethane

Concen: 1.415 ug/l

RT: 9.33 min Scan# 2361

Delta R.T. -0.04 min

Lab File: VN064895.D

Acq: 3 Dec 2020 13:47

Instrument :

MSVOA\_N

ClientSampleId :

20801

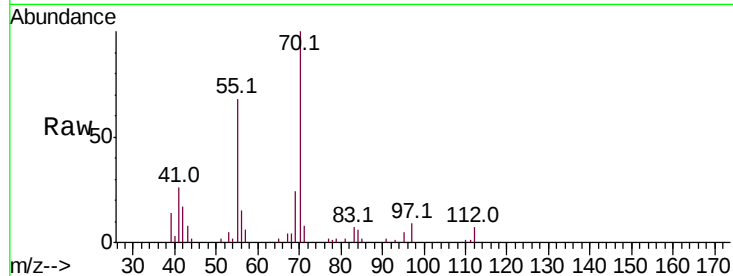
Tot Ion: 83 Resp: 4237

Ion Ratio Lower Upper

83 100

85 23.3 51.8 77.8#

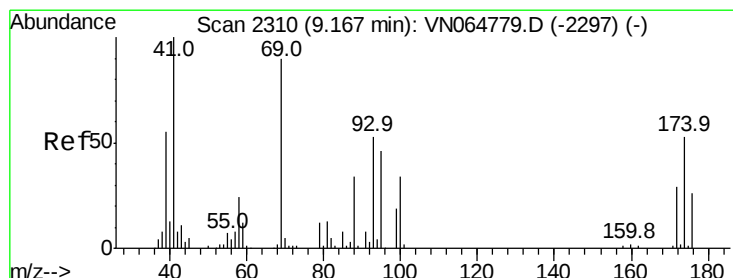
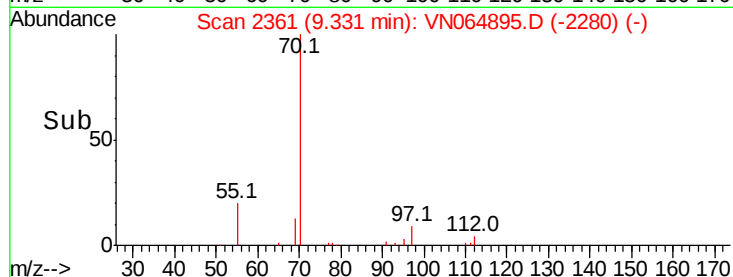
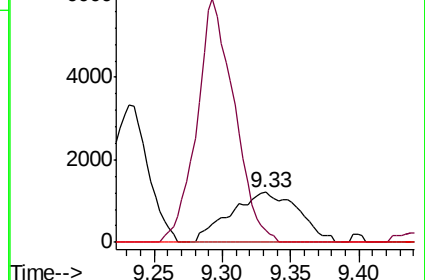
127 0.0 6.8 10.2#



Abundance Ion 82.90 (82.60 to 83.60): VN064779.D (-2358) (-)

Ion 84.90 (84.60 to 85.60): VN064779.D (-2358) (-)

Ion 126.80 (126.50 to 127.50): VN064779.D (-2358) (-)



#48

Methyl methacrylate

Concen: 3.844 ug/l

RT: 9.18 min Scan# 2314

Delta R.T. 0.01 min

Lab File: VN064895.D

Acq: 3 Dec 2020 13:47

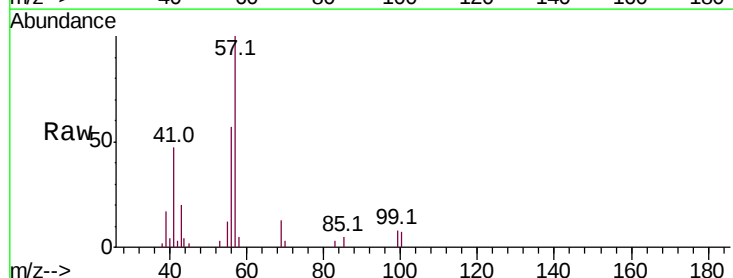
Tgt Ion: 41 Resp: 7993

Ion Ratio Lower Upper

41 100

69 35.7 71.8 107.8#

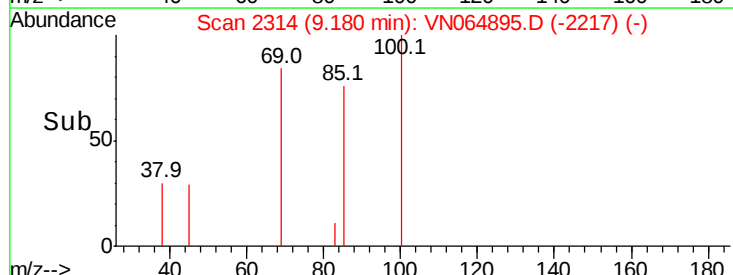
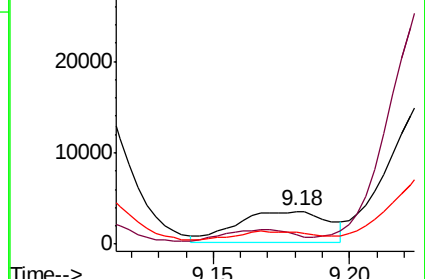
39 34.4 44.1 66.1#

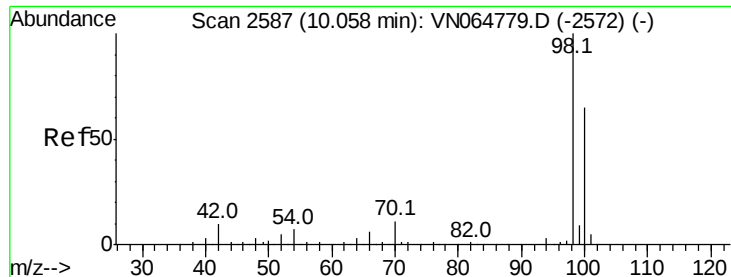


Abundance Ion 41.00 (40.70 to 41.70): VN064779.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN064779.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN064779.D (-2297) (-)





#50

Toluene-d8

Concen: 51.797 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064895.D

Acq: 3 Dec 2020 13:47

Instrument :

MSVOA\_N

ClientSampled :

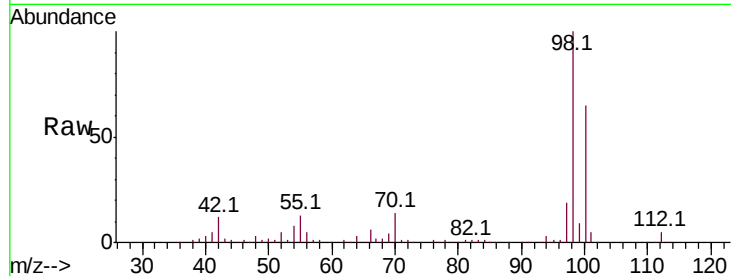
20801

Tot Ion: 98 Resp: 383547

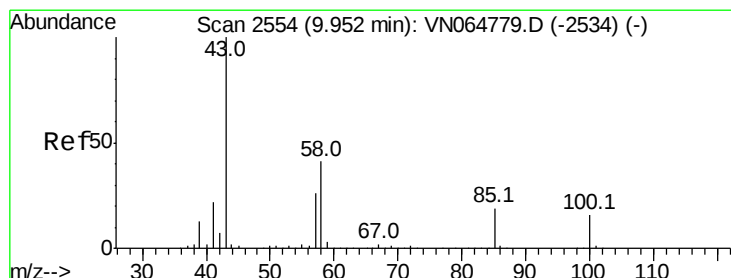
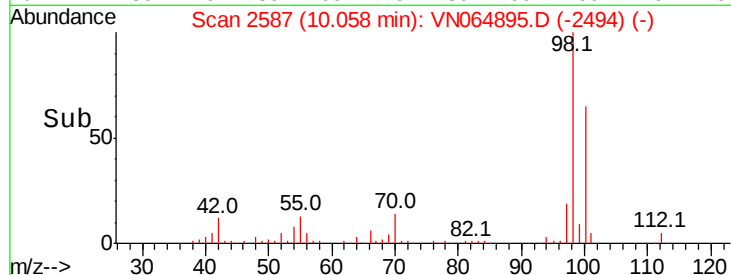
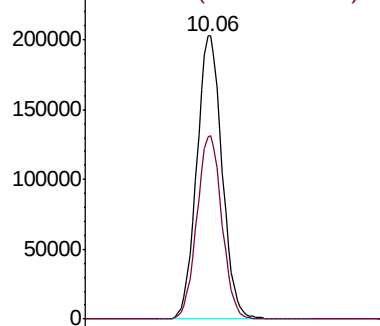
Ion Ratio Lower Upper

98 100

100 64.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064779.D (-2572) (-)



#51

4-Methyl-2-Pentanone

Concen: 3.398 ug/l

RT: 9.96 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN064895.D

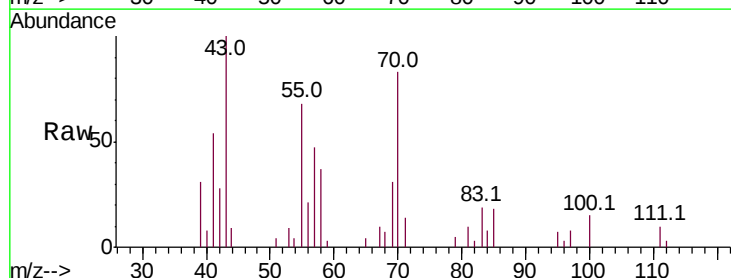
Acq: 3 Dec 2020 13:47

Tgt Ion: 43 Resp: 8876

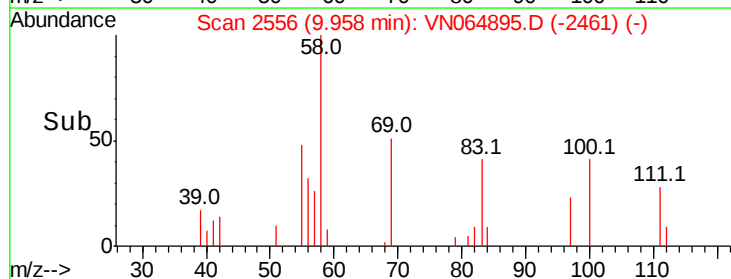
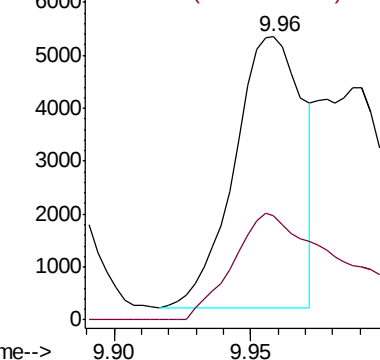
Ion Ratio Lower Upper

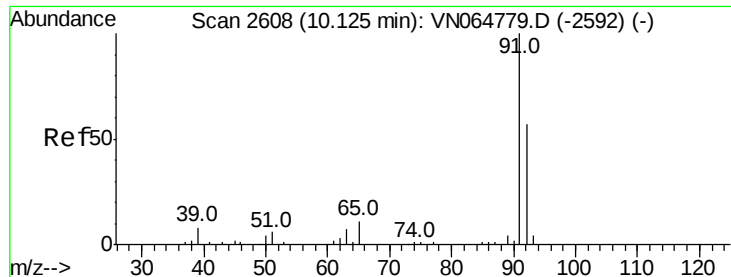
43 100

58 63.4 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-2534) (-)





#52

Toluene

Concen: 1642.469 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064895.D

Acq: 3 Dec 2020 13:47

Instrument :

MSVOA\_N

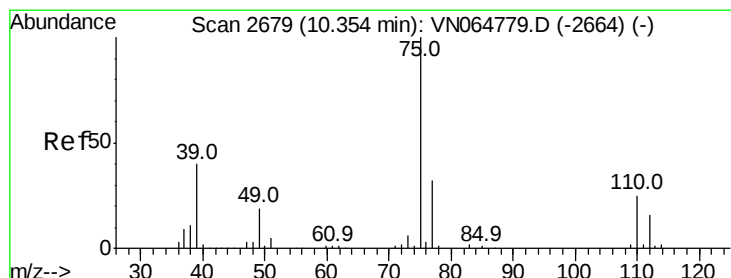
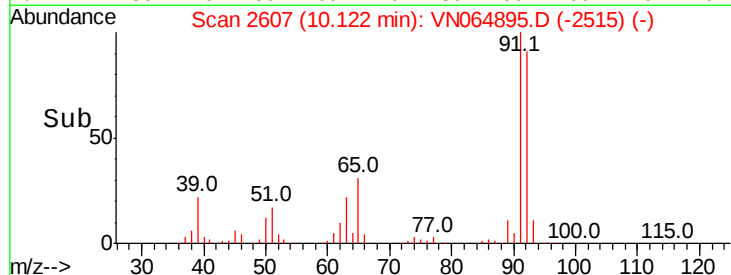
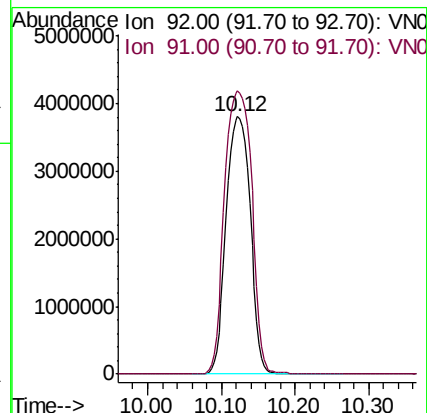
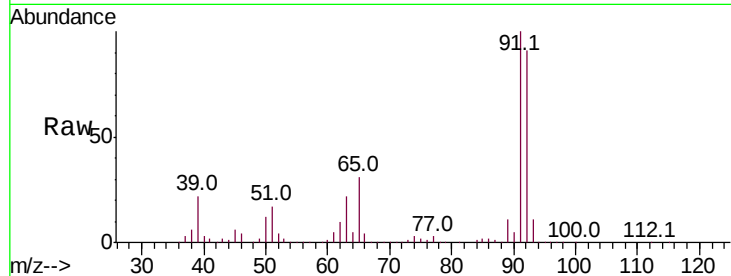
ClientSampleId :  
20801

Tot Ion: 92 Resp: 8701485

Ion Ratio Lower Upper

92 100

91 124.4 139.1 208.7#



#53

t-1,3-Dichloropropene

Concen: 40.641 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.23 min

Lab File: VN064895.D

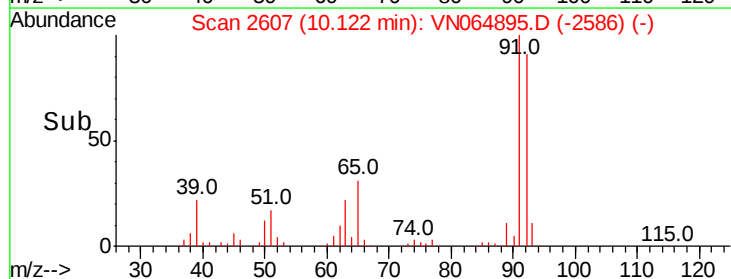
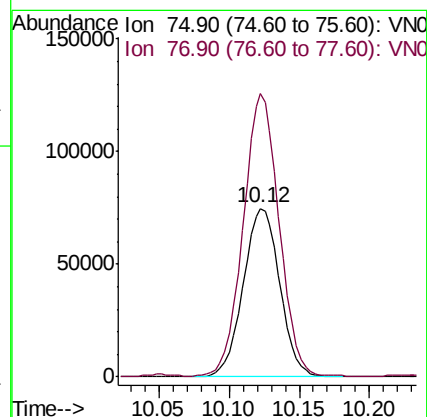
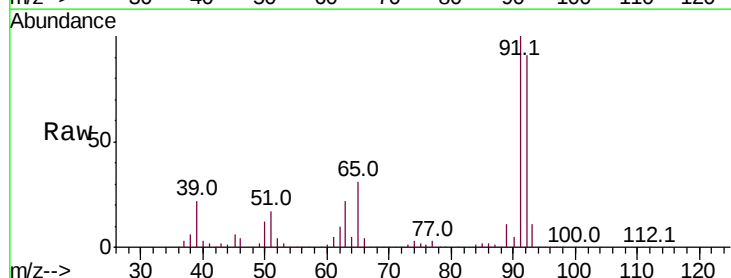
Acq: 3 Dec 2020 13:47

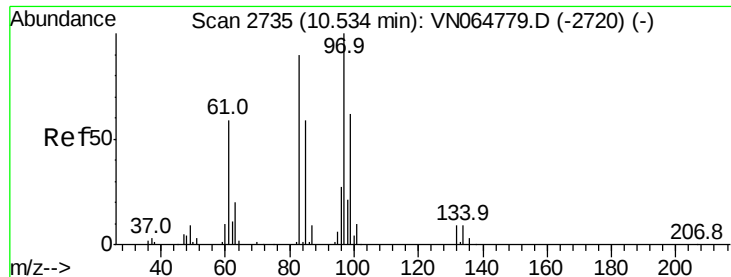
Tgt Ion: 75 Resp: 135556

Ion Ratio Lower Upper

75 100

77 167.3 25.8 38.6#

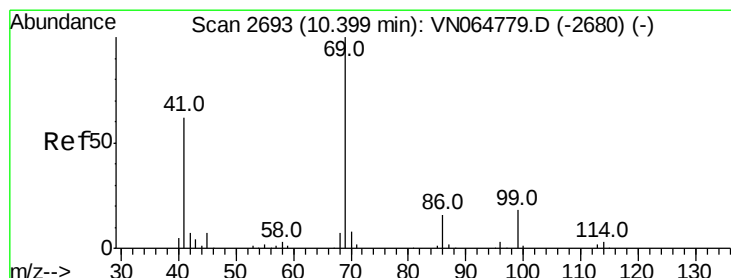
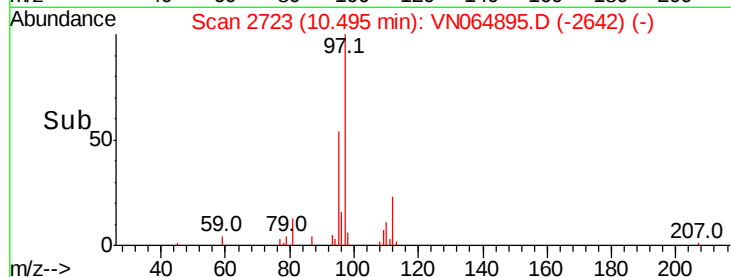
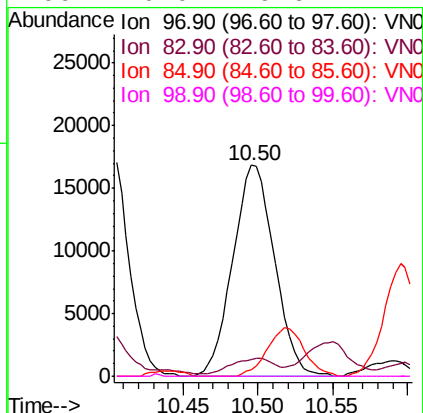
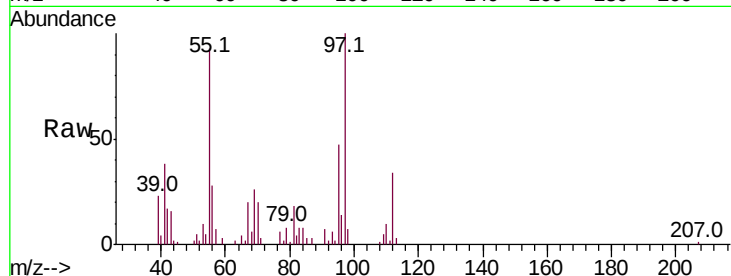




#55  
1,1,2-Trichloroethane  
Concen: 15.013 ug/l  
RT: 10.50 min Scan# 2723  
Delta R.T. -0.04 min  
Lab File: VN064895.D  
Acq: 3 Dec 2020 13:47

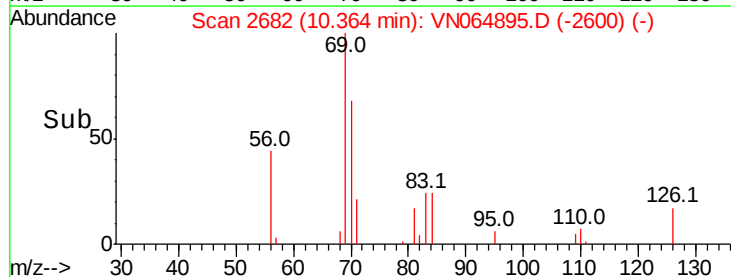
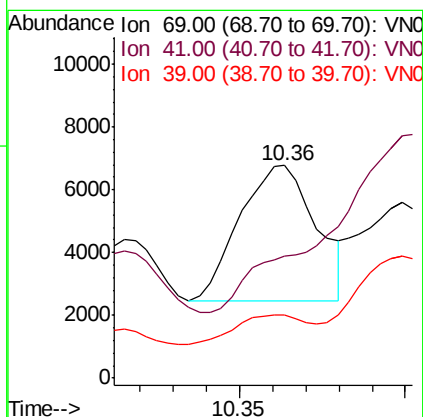
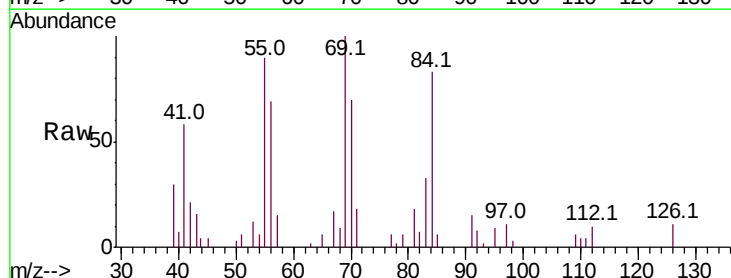
Instrument :  
MSVOA\_N  
ClientSampled :  
20801

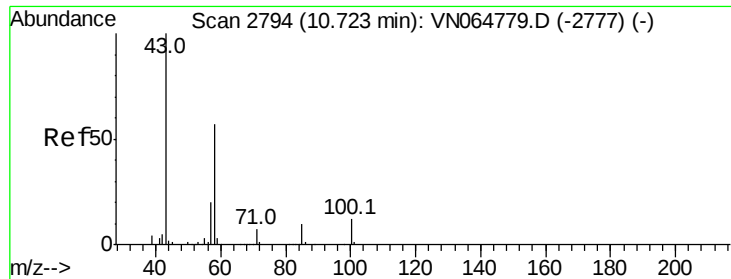
Tot Ion: 97 Resp: 32706  
Ion Ratio Lower Upper  
97 100  
83 6.3 72.1 108.1#  
85 3.3 46.8 70.2#  
99 0.0 49.6 74.4#



#56  
Ethyl methacrylate  
Concen: 2.294 ug/l  
RT: 10.36 min Scan# 2682  
Delta R.T. -0.04 min  
Lab File: VN064895.D  
Acq: 3 Dec 2020 13:47

Tgt Ion: 69 Resp: 6897  
Ion Ratio Lower Upper  
69 100  
41 0.0 49.4 74.0#  
39 0.0 25.9 38.9#





#59

2-Hexanone

Concen: 33.844 ug/l

RT: 10.69 min Scan# 2782

Delta R.T. -0.04 min

Lab File: VN064895.D

Acq: 3 Dec 2020 13:47

Instrument :

MSVOA\_N

ClientSampleId :

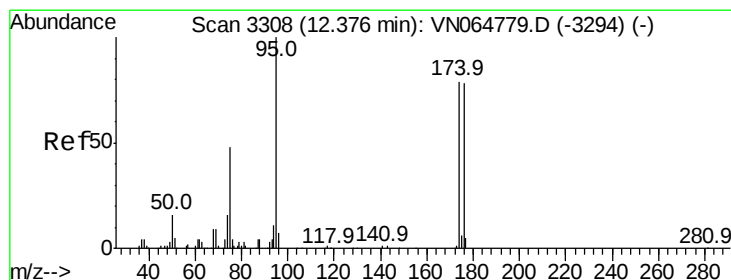
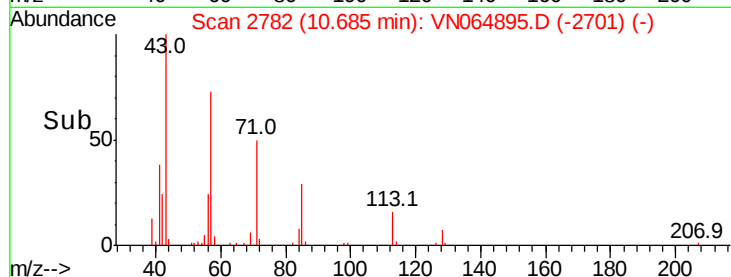
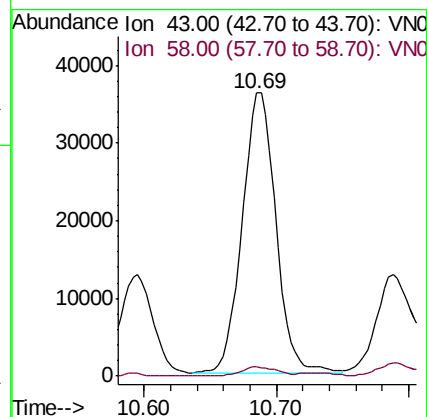
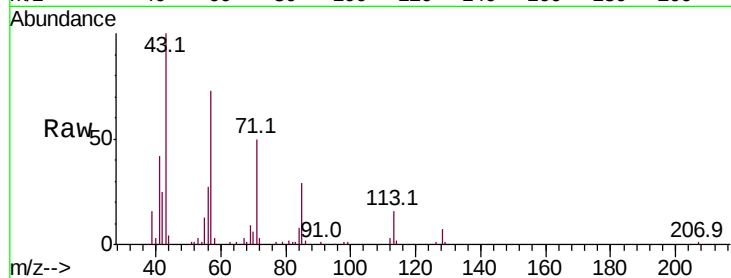
20801

Tot Ion: 43 Resp: 63628

Ion Ratio Lower Upper

43 100

58 3.4 28.3 84.9#



#62

4-Bromofluorobenzene

Concen: 59.972 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064895.D

Acq: 3 Dec 2020 13:47

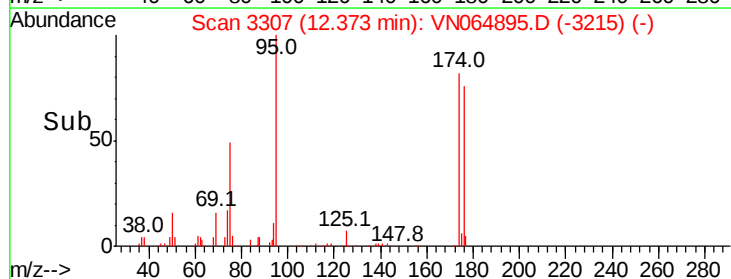
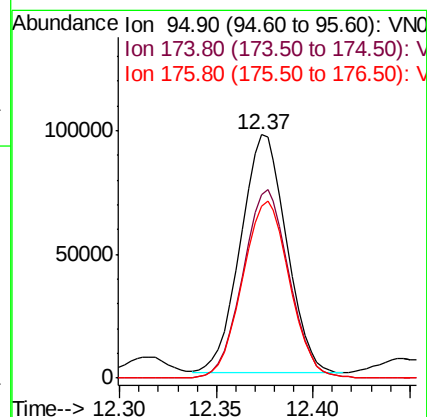
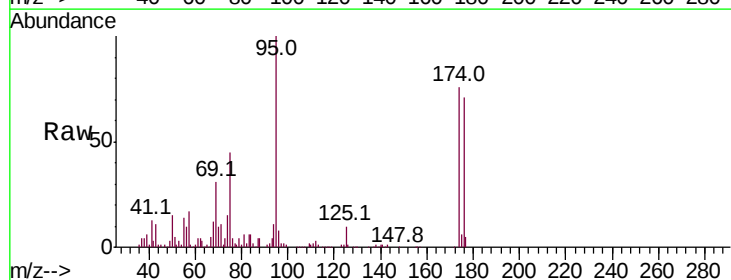
Tgt Ion: 95 Resp: 158929

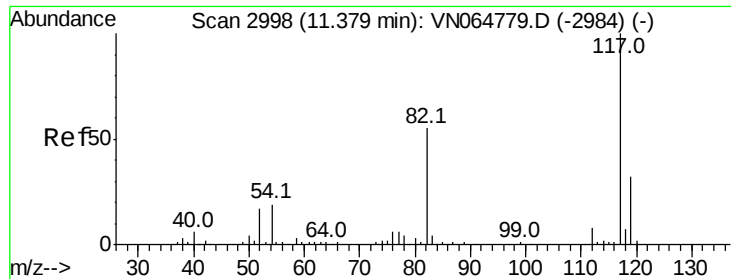
Ion Ratio Lower Upper

95 100

174 80.1 0.0 160.4

176 76.4 0.0 158.4

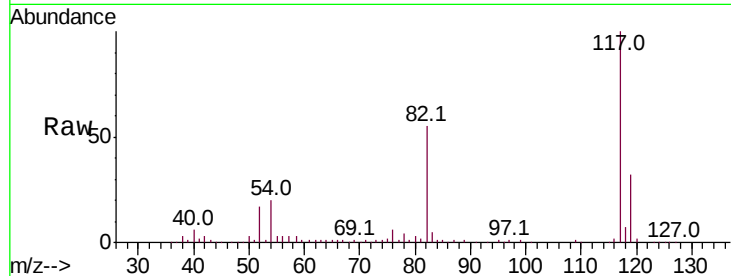




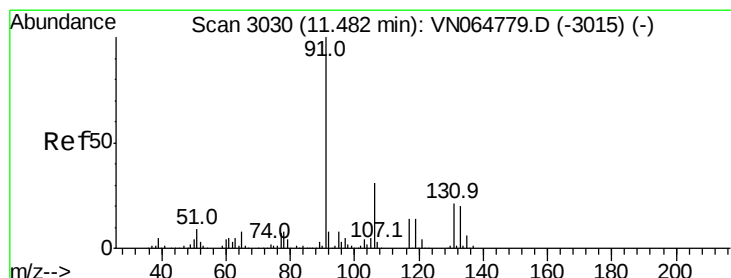
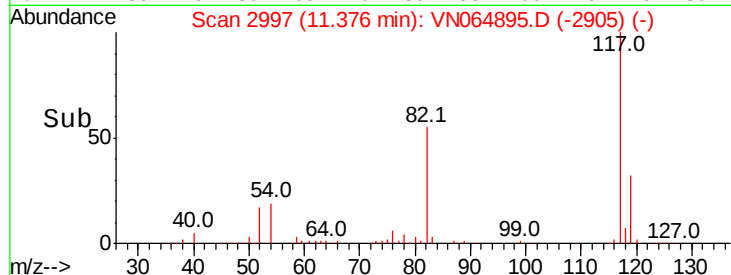
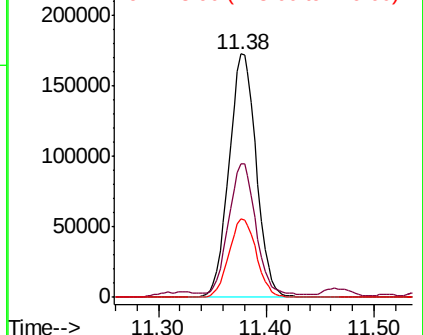
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2997  
Delta R.T. -0.00 min  
Lab File: VN064895.D  
Acq: 3 Dec 2020 13:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
20801

Tot Ion:117 Resp: 305096  
Ion Ratio Lower Upper  
117 100  
82 53.0 44.2 66.2  
119 32.3 25.8 38.6

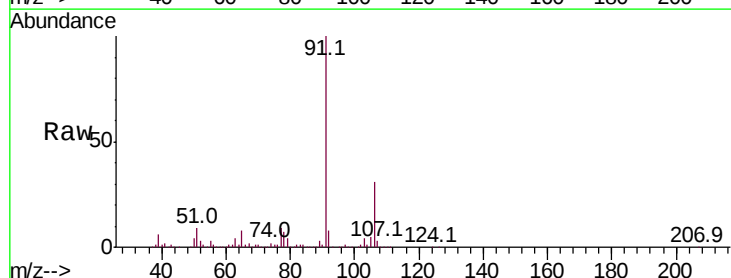


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

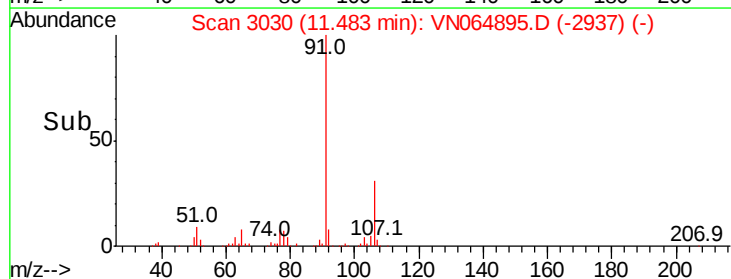
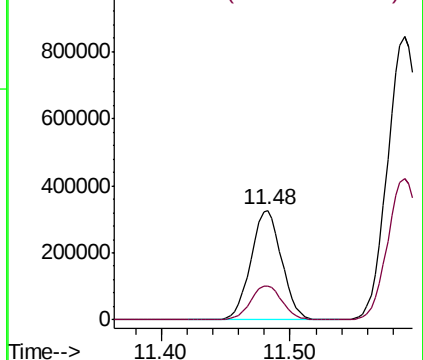


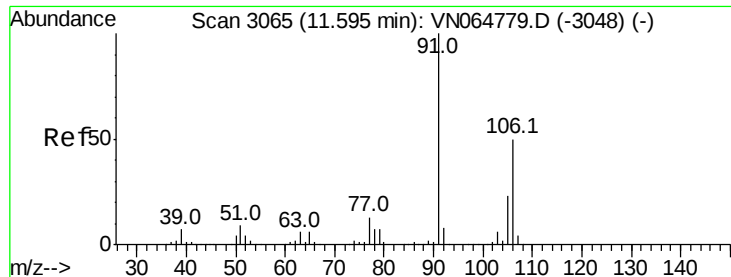
#67  
Ethyl Benzene  
Concen: 49.527 ug/l  
RT: 11.48 min Scan# 3030  
Delta R.T. 0.00 min  
Lab File: VN064895.D  
Acq: 3 Dec 2020 13:47

Tgt Ion: 91 Resp: 542092  
Ion Ratio Lower Upper  
91 100  
106 31.4 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): V  
Ion 106.00 (105.70 to 106.70): V

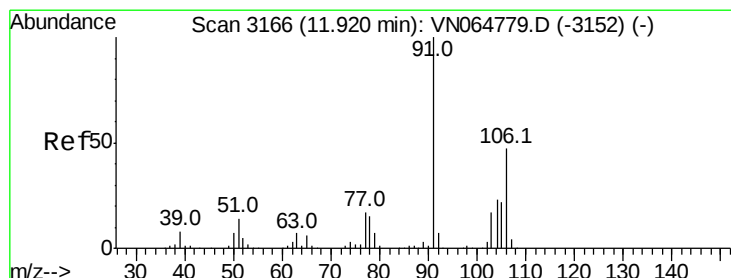
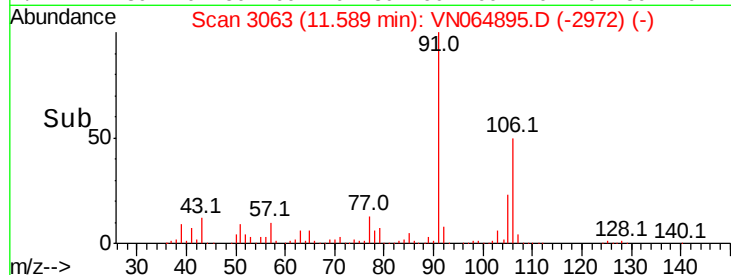
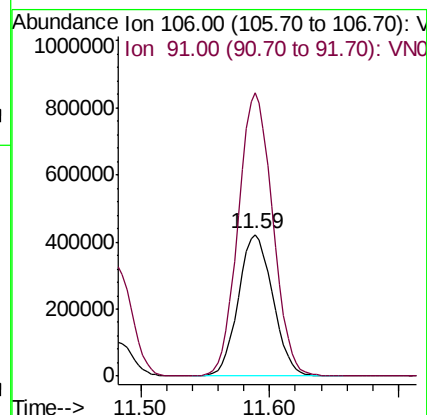
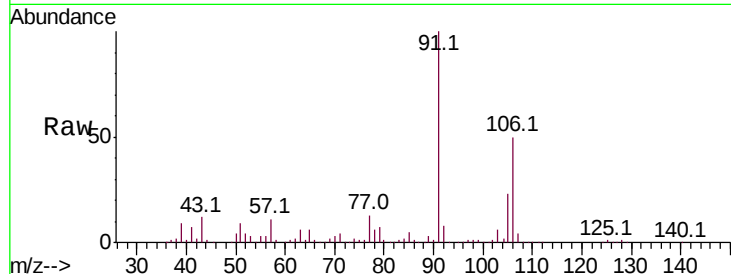




#68  
m/p-Xylenes  
Concen: 189.107 ug/l  
RT: 11.59 min Scan# 3063  
Delta R.T. -0.01 min  
Lab File: VN064895.D  
Acq: 3 Dec 2020 13:47

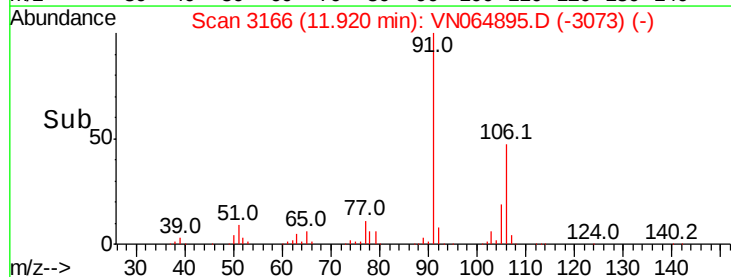
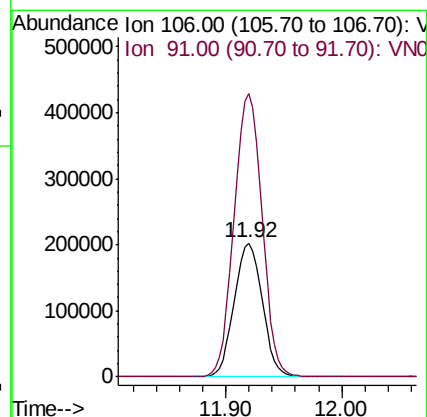
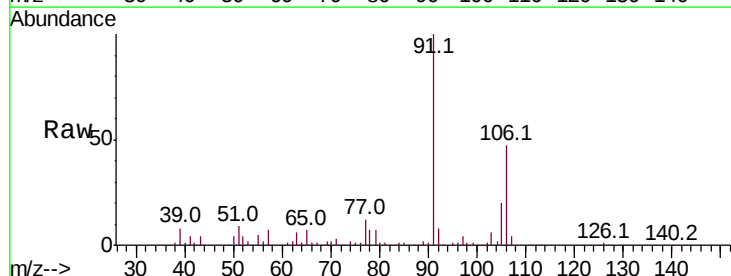
Instrument :  
MSVOA\_N  
ClientSampled :  
20801

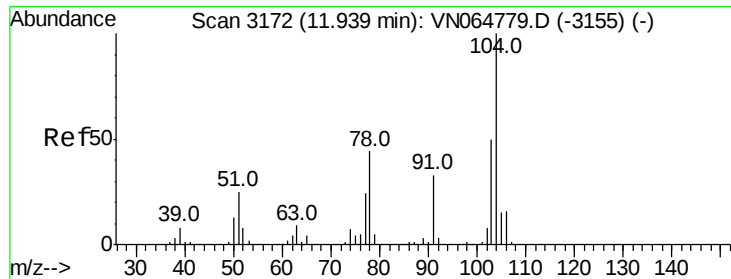
Tot Ion:106 Resp: 783655  
Ion Ratio Lower Upper  
106 100  
91 200.0 161.0 241.4



#69  
o-Xylene  
Concen: 86.135 ug/l  
RT: 11.92 min Scan# 3166  
Delta R.T. 0.00 min  
Lab File: VN064895.D  
Acq: 3 Dec 2020 13:47

Tgt Ion:106 Resp: 338719  
Ion Ratio Lower Upper  
106 100  
91 210.4 105.5 316.5

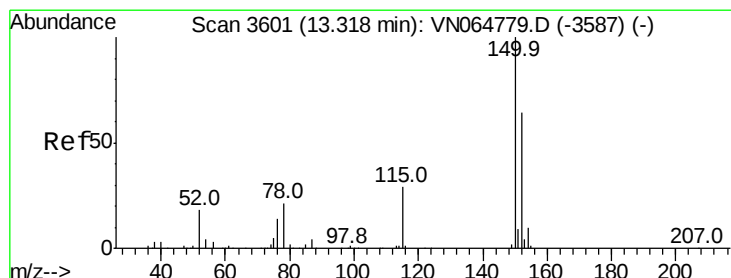
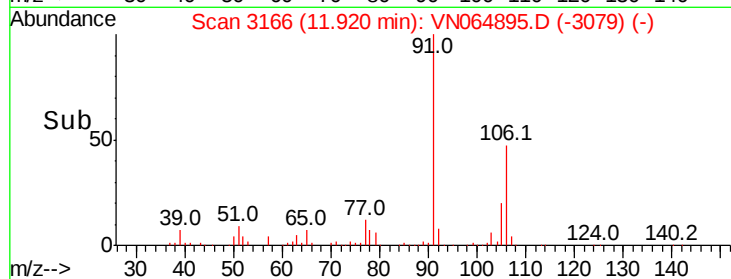
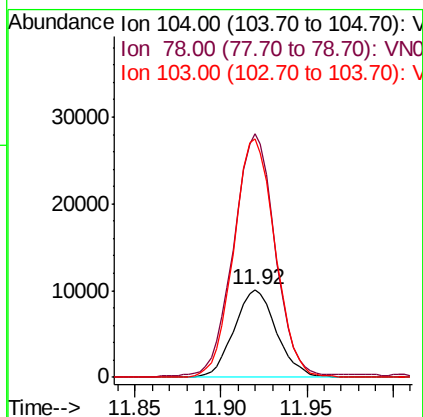
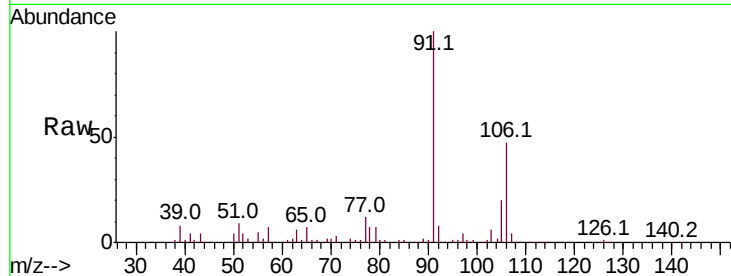




#70  
Stvrene  
Concen: 2.606 ug/l  
RT: 11.92 min Scan# 3166  
Delta R.T. -0.02 min  
Lab File: VN064895.D  
Acq: 3 Dec 2020 13:47

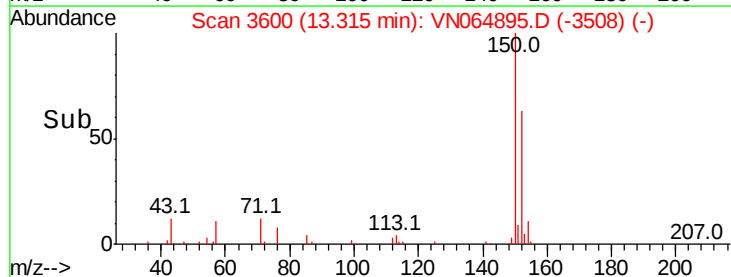
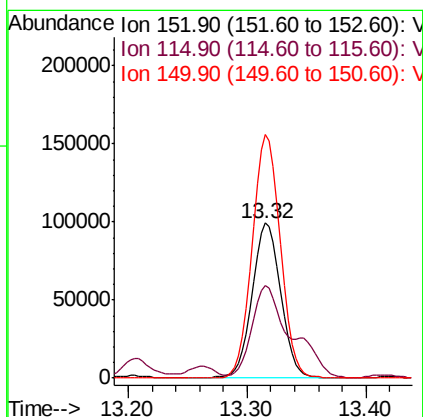
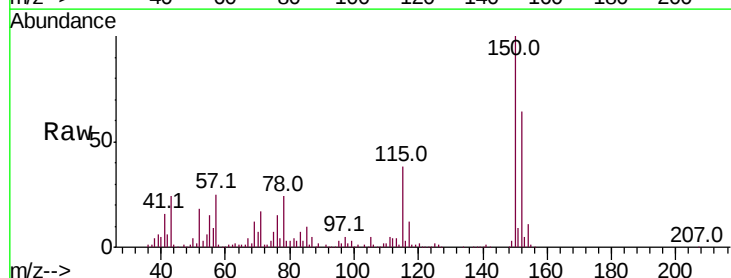
Instrument :  
MSVOA\_N  
ClientSampled :  
20801

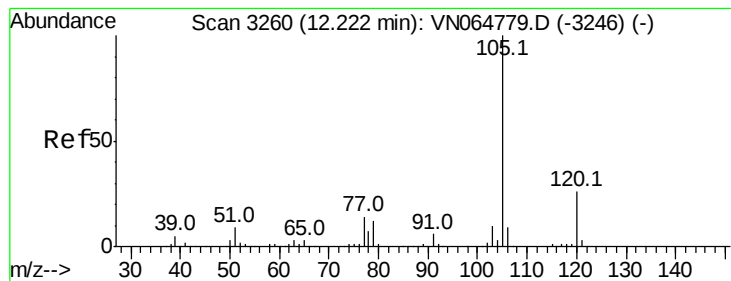
Tot Ion:104 Resp: 17298  
Ion Ratio Lower Upper  
104 100  
78 274.3 39.0 58.6#  
103 265.0 44.3 66.5#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3600  
Delta R.T. -0.00 min  
Lab File: VN064895.D  
Acq: 3 Dec 2020 13:47

Tgt Ion:152 Resp: 164650  
Ion Ratio Lower Upper  
152 100  
115 62.2 29.7 89.1  
150 155.4 0.0 350.6





#73

Isopropylbenzene

Concen: 12.853 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064895.D

Acq: 3 Dec 2020 13:47

Instrument :

MSVOA\_N

ClientSampleId :

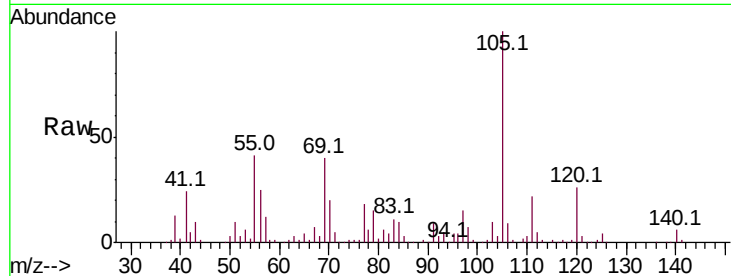
20801

Tot Ion:105 Resp: 147197

Ion Ratio Lower Upper

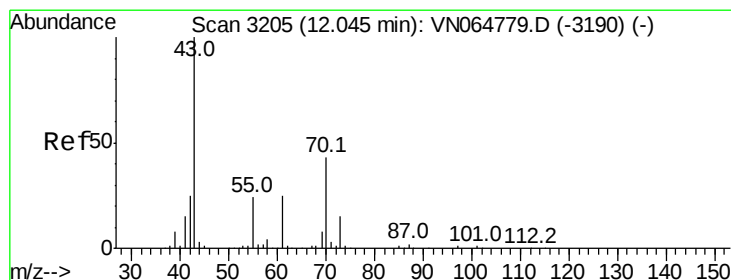
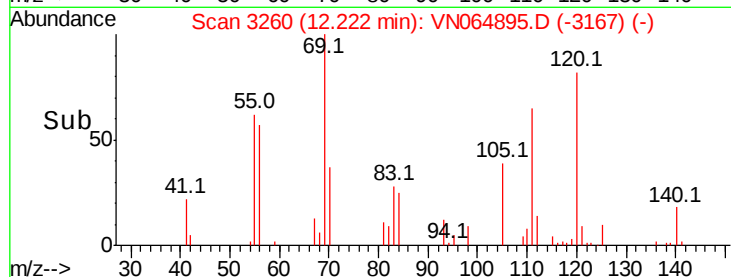
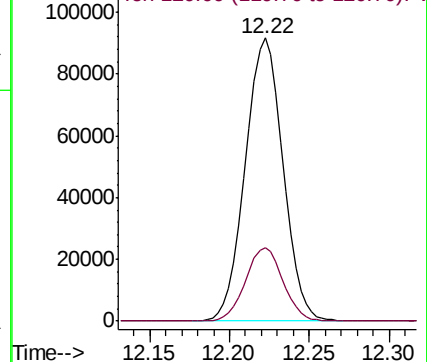
105 100

120 25.8 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 43.386 ug/l

RT: 12.02 min Scan# 3196

Delta R.T. -0.03 min

Lab File: VN064895.D

Acq: 3 Dec 2020 13:47

Tgt Ion: 43 Resp: 195539

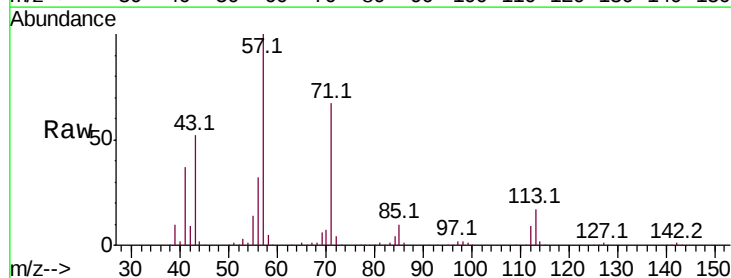
Ion Ratio Lower Upper

43 100

70 11.1 34.5 51.7#

55 12.5 20.4 30.6#

61 0.0 20.0 30.0#

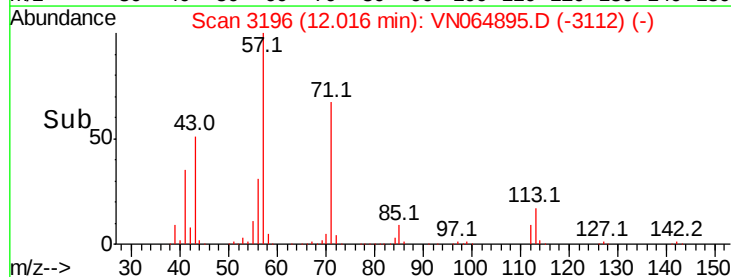
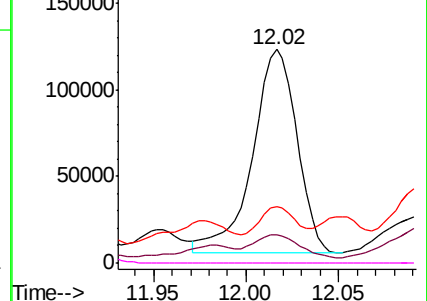


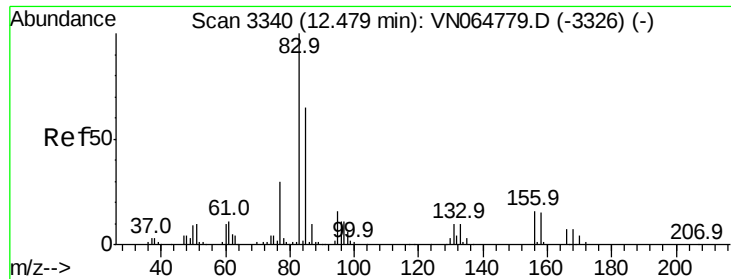
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.027 ug/l

RT: 12.53 min Scan# 3357

Delta R.T. 0.05 min

Lab File: VN064895.D

Acq: 3 Dec 2020 13:47

Instrument :

MSVOA\_N

ClientSampleId :

20801

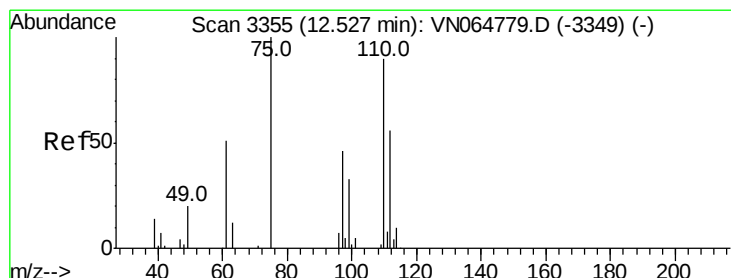
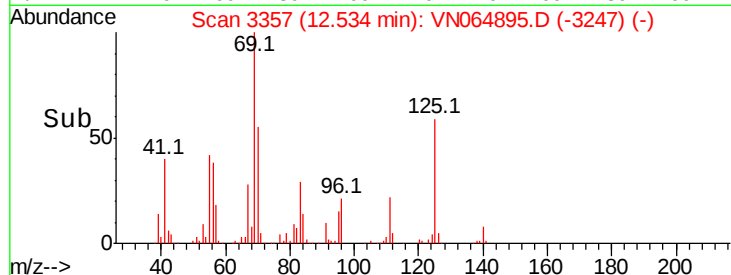
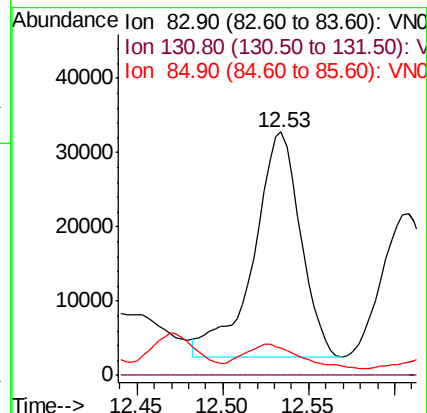
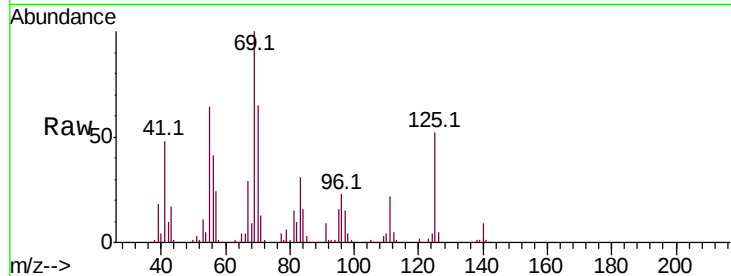
Tot Ion: 83 Resp: 57157

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

85 0.0 33.0 99.0#



#76

1,2,3-Trichloropropane

Concen: 1.093 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. 0.04 min

Lab File: VN064895.D

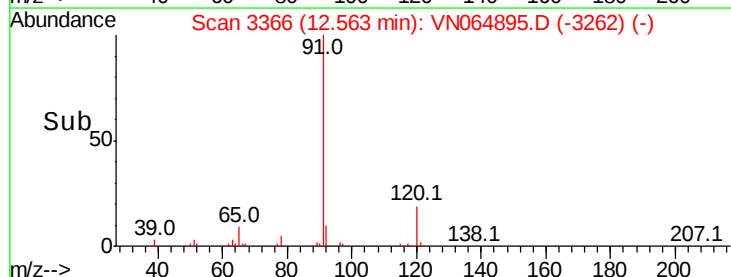
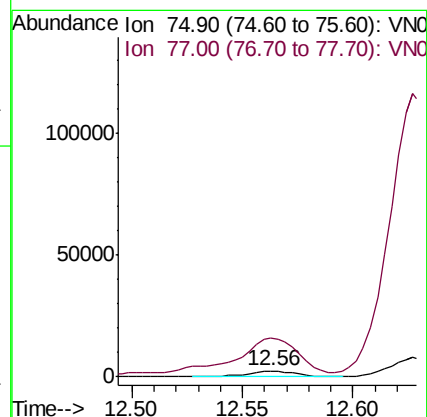
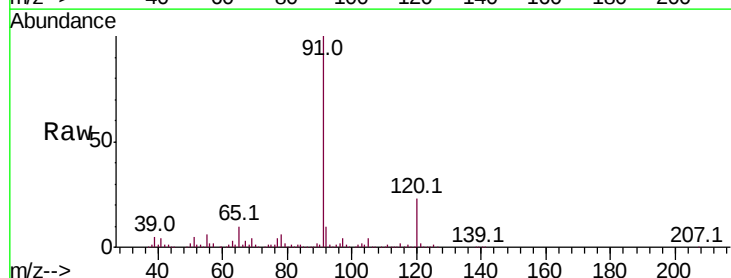
Acq: 3 Dec 2020 13:47

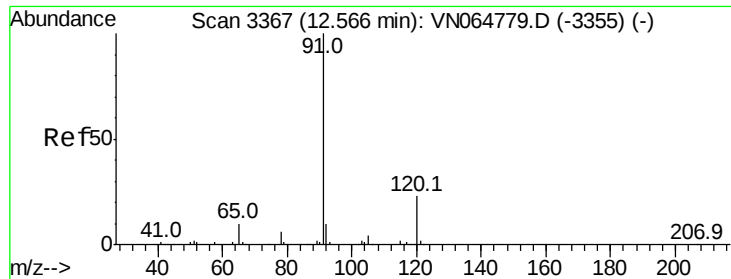
Tgt Ion: 75 Resp: 3874

Ion Ratio Lower Upper

75 100

77 695.0 0.0 0.0#





#78

n-propylbenzene

Concen: 49.255 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064895.D

Acq: 3 Dec 2020 13:47

Instrument :

MSVOA\_N

ClientSampled :

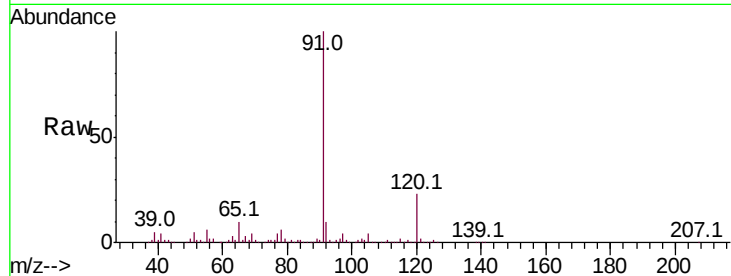
20801

Tot Ion: 91 Resp: 642613

Ion Ratio Lower Upper

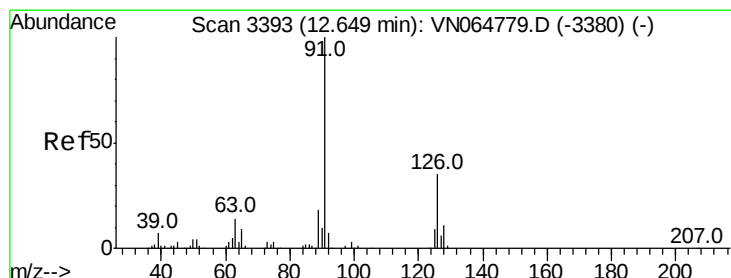
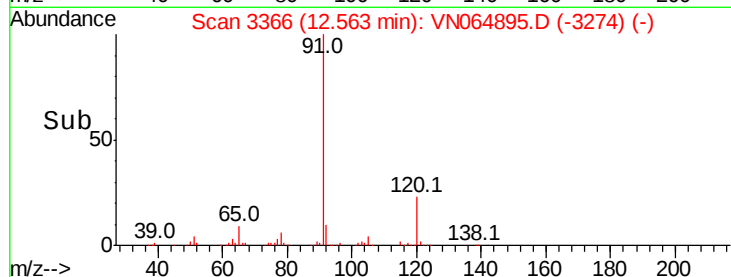
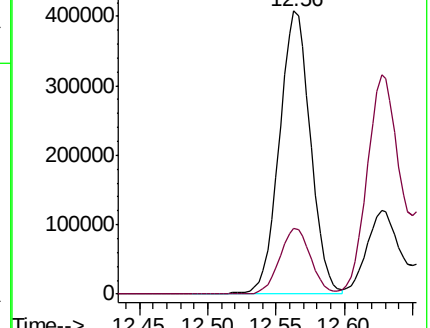
91 100

120 23.3 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 22.356 ug/l

RT: 12.63 min Scan# 3386

Delta R.T. -0.02 min

Lab File: VN064895.D

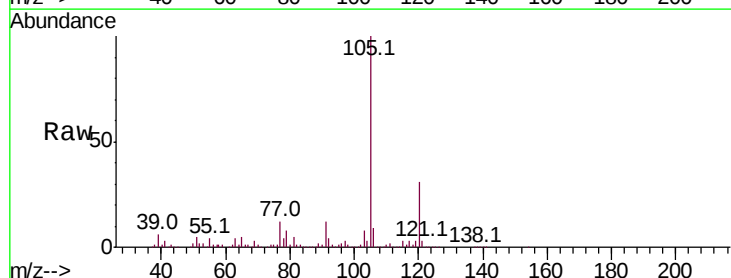
Acq: 3 Dec 2020 13:47

Tgt Ion: 91 Resp: 180298

Ion Ratio Lower Upper

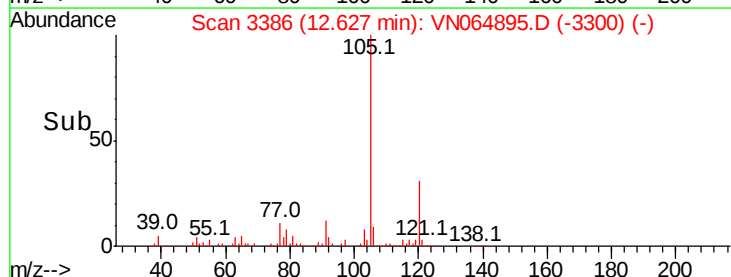
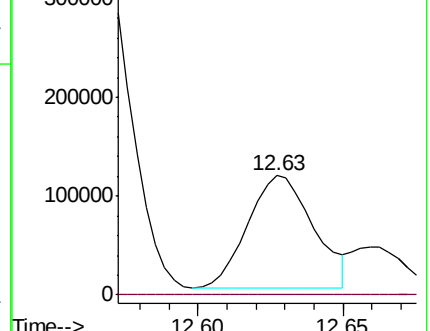
91 100

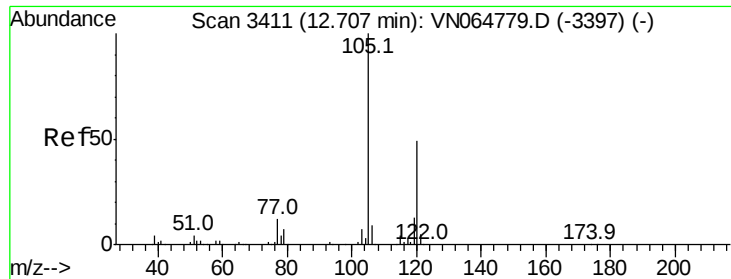
126 0.0 17.2 51.6#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

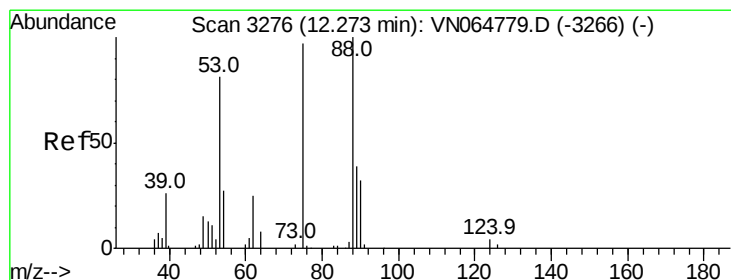
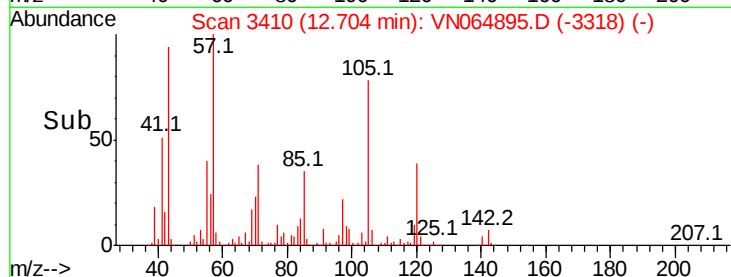
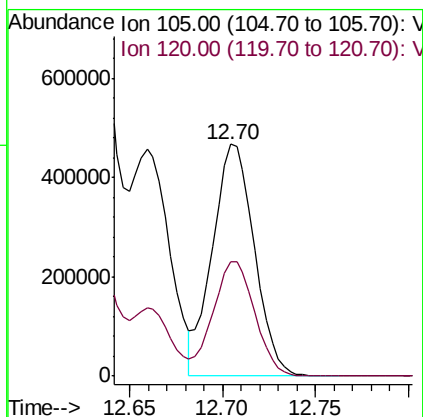
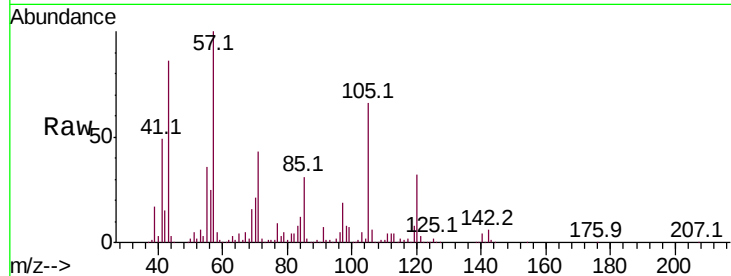




#80  
 1,3,5-Trimethylbenzene  
 Concen: 76.651 ug/l  
 RT: 12.70 min Scan# 3410  
 Delta R.T. -0.00 min  
 Lab File: VN064895.D  
 Acq: 3 Dec 2020 13:47

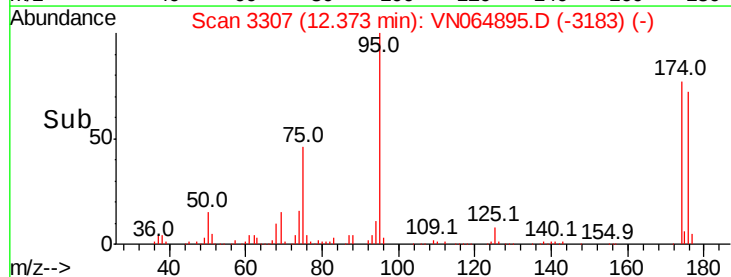
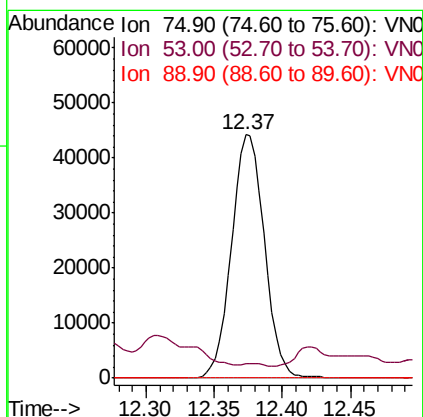
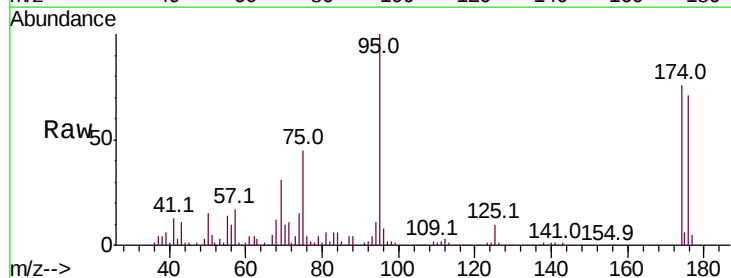
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 20801

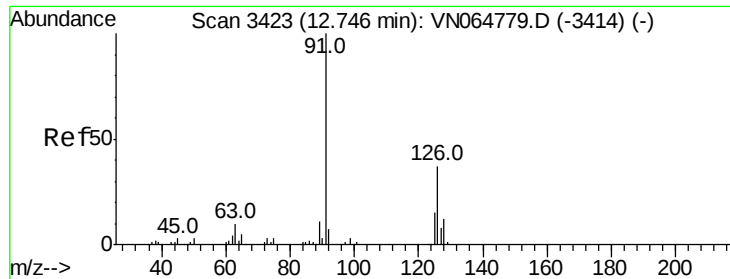
Tot Ion:105 Resp: 729660  
 Ion Ratio Lower Upper  
 105 100  
 120 49.5 24.6 73.6



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 57.358 ug/l  
 RT: 12.37 min Scan# 3307  
 Delta R.T. 0.10 min  
 Lab File: VN064895.D  
 Acq: 3 Dec 2020 13:47

Tgt Ion: 75 Resp: 74207  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 67.0 100.4#  
 89 0.0 39.6 59.4#





#82

4-Chlorotoluene

Concen: 9.186 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.04 min

Lab File: VN064895.D

Acq: 3 Dec 2020 13:47

Instrument :

MSVOA\_N

ClientSampled :

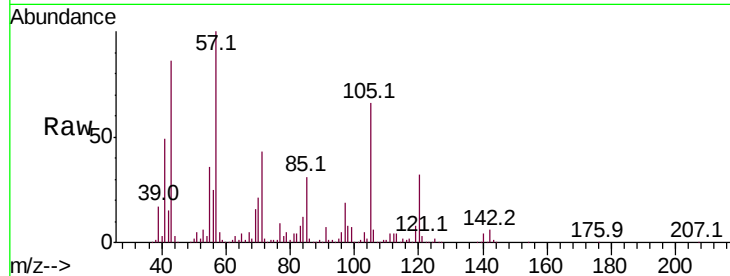
20801

Tot Ion: 91 Resp: 77653

Ion Ratio Lower Upper

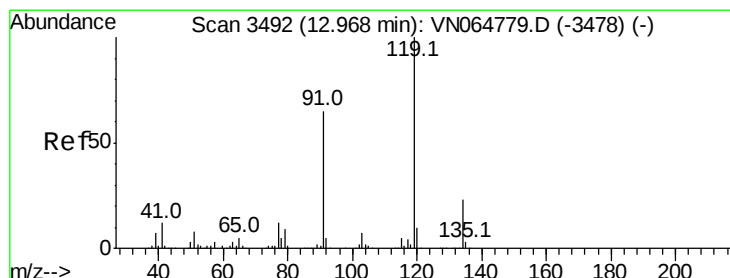
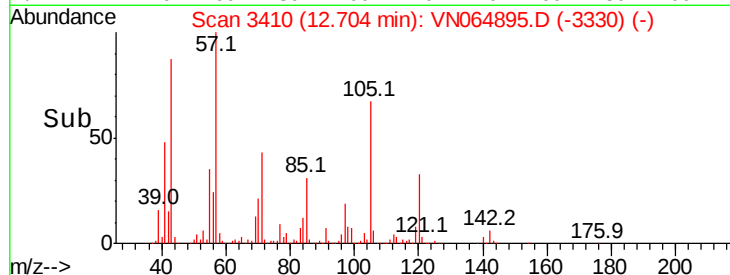
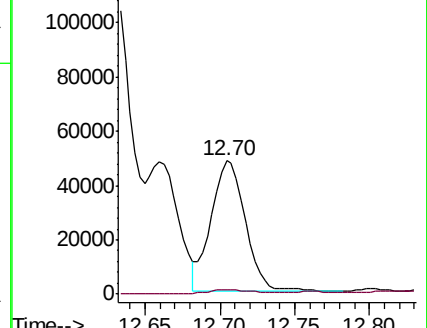
91 100

126 5.1 16.9 50.7#



Abundance Ion 91.00 (90.70 to 91.70): VN064779.D (-3414) (-)

Ion 125.90 (125.60 to 126.60): VN064779.D (-3414) (-)



#83

tert-Butylbenzene

Concen: 43.787 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. 0.05 min

Lab File: VN064895.D

Acq: 3 Dec 2020 13:47

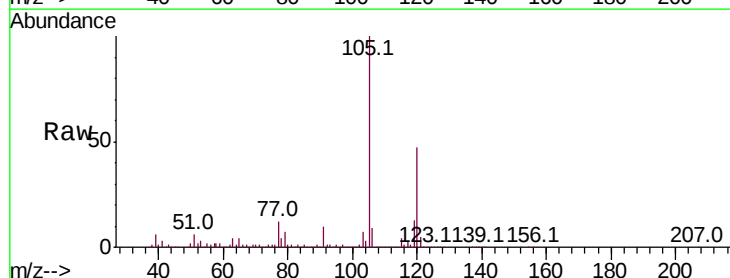
Tgt Ion: 119 Resp: 349376

Ion Ratio Lower Upper

119 100

91 78.3 32.3 96.8

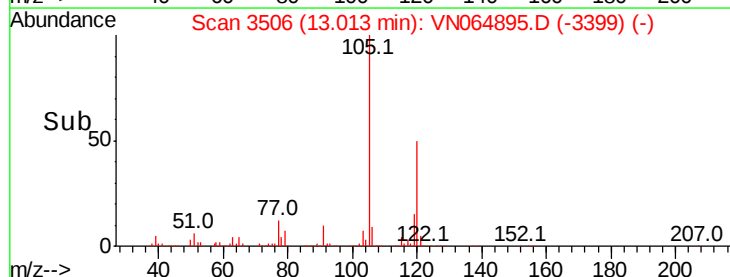
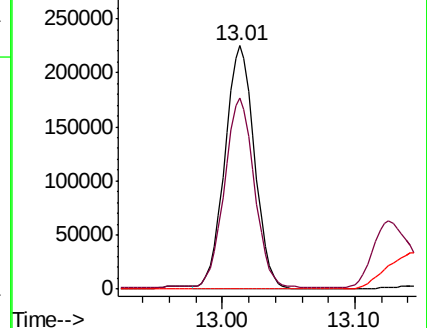
134 0.0 12.6 37.6#

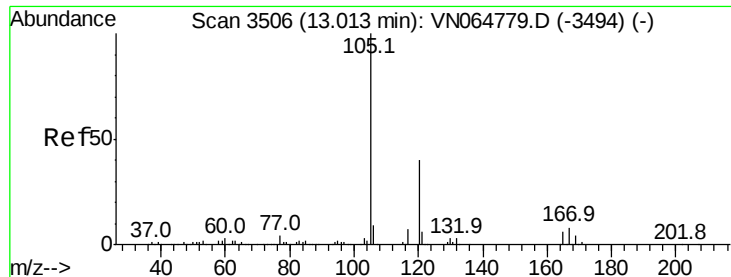


Abundance Ion 119.00 (118.70 to 119.70): VN064779.D (-3478) (-)

Ion 91.00 (90.70 to 91.70): VN064779.D (-3478) (-)

Ion 134.00 (133.70 to 134.70): VN064779.D (-3478) (-)

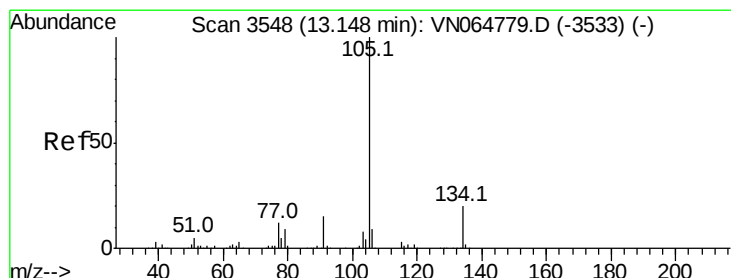
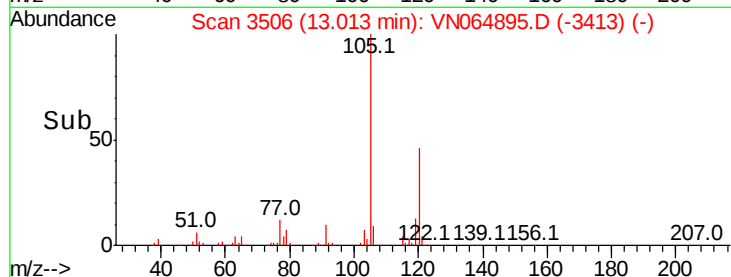
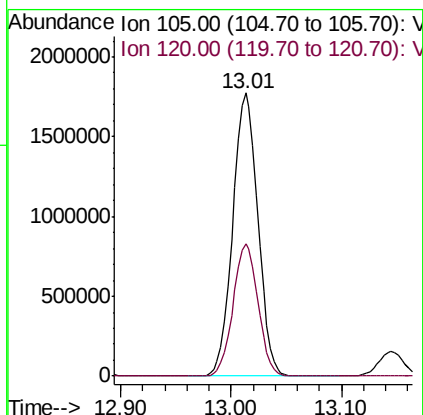
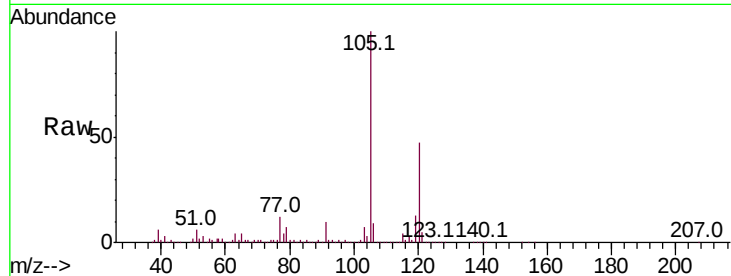




#84  
1,2,4-Trimethylbenzene  
Concen: 290.862 ug/l  
RT: 13.01 min Scan# 3506  
Delta R.T. 0.00 min  
Lab File: VN064895.D  
Acq: 3 Dec 2020 13:47

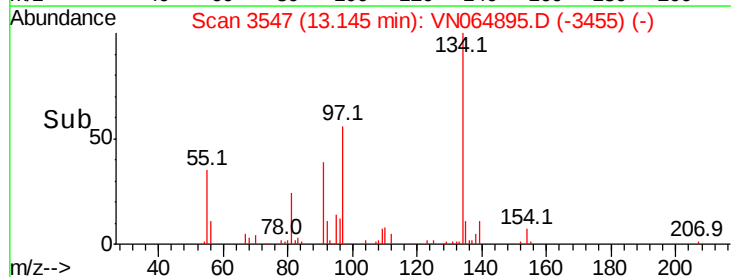
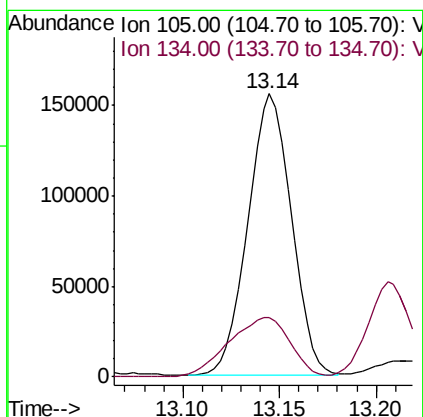
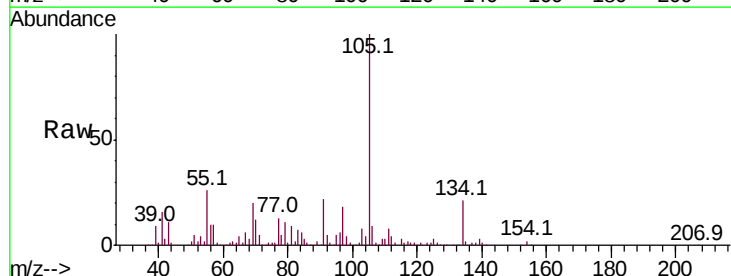
Instrument :  
MSVOA\_N  
ClientSampled :  
20801

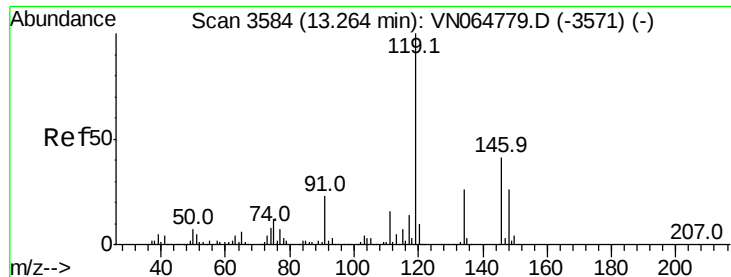
Tot Ion:105 Resp: 2799460  
Ion Ratio Lower Upper  
105 100  
120 46.4 23.1 69.2



#85  
sec-Butylbenzene  
Concen: 22.885 ug/l  
RT: 13.14 min Scan# 3547  
Delta R.T. -0.00 min  
Lab File: VN064895.D  
Acq: 3 Dec 2020 13:47

Tgt Ion:105 Resp: 242442  
Ion Ratio Lower Upper  
105 100  
134 29.9 10.1 30.1

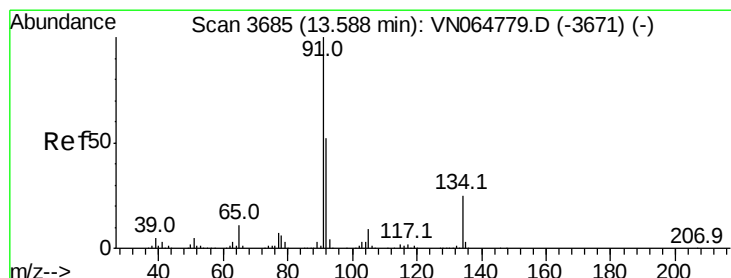
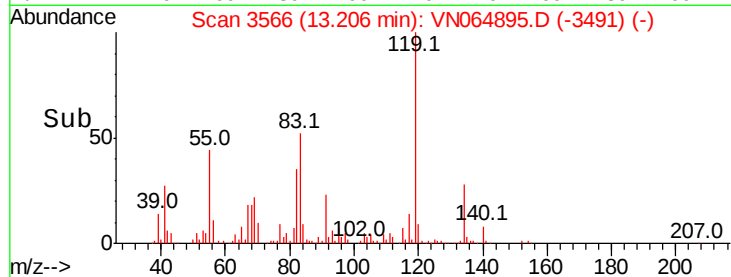
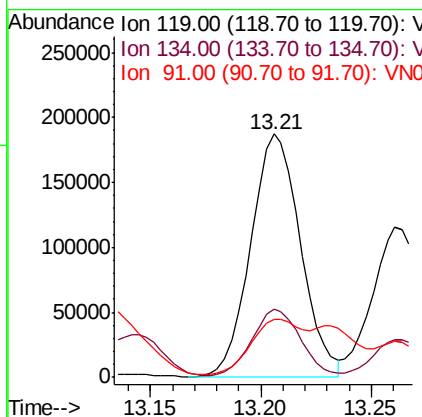
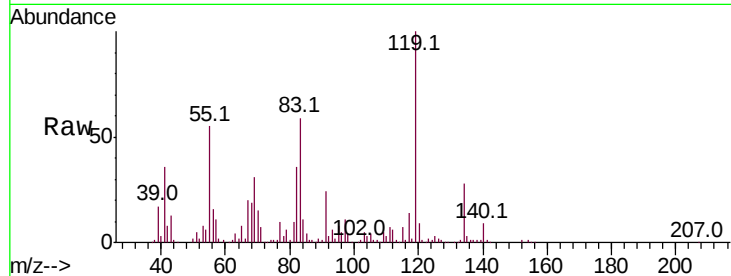




#86  
p-Isopropyltoluene  
Concen: 30.173 ug/l  
RT: 13.21 min Scan# 3566  
Delta R.T. -0.06 min  
Lab File: VN064895.D  
Acq: 3 Dec 2020 13:47

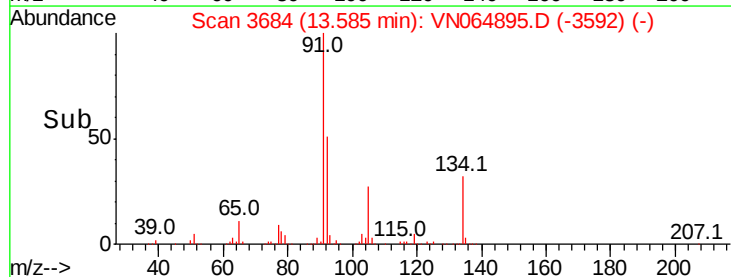
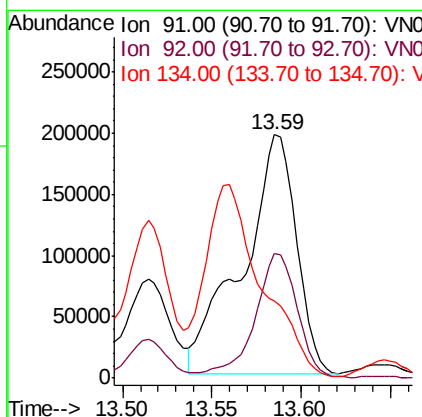
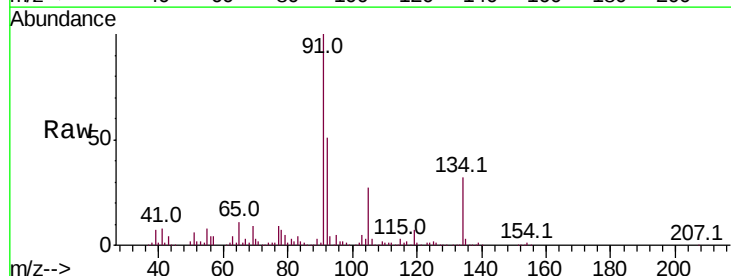
Instrument :  
MSVOA\_N  
ClientSampled :  
20801

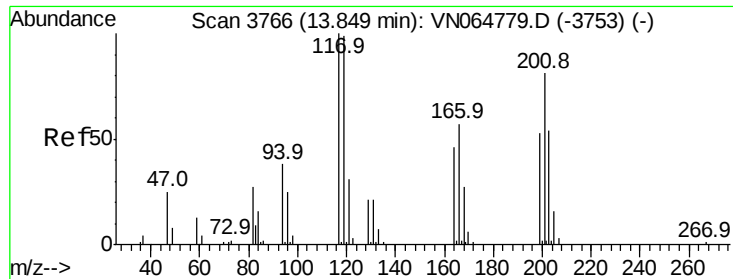
Tot Ion:119 Resp: 291018  
Ion Ratio Lower Upper  
119 100  
134 28.0 13.1 39.1  
91 24.4 11.5 34.5



#89  
n-Butylbenzene  
Concen: 48.356 ug/l  
RT: 13.59 min Scan# 3684  
Delta R.T. -0.00 min  
Lab File: VN064895.D  
Acq: 3 Dec 2020 13:47

Tgt Ion: 91 Resp: 409584  
Ion Ratio Lower Upper  
91 100  
92 41.0 26.0 78.0  
134 0.0 12.9 38.6#

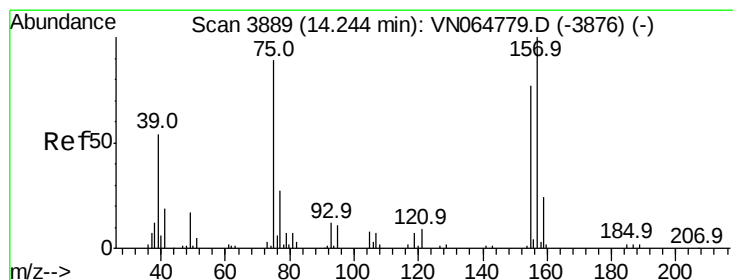
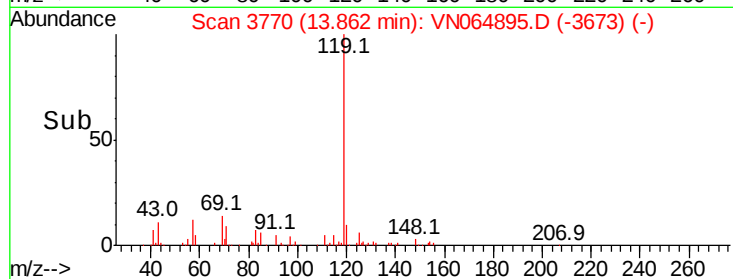
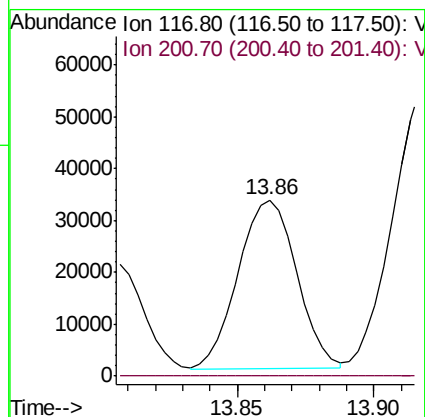
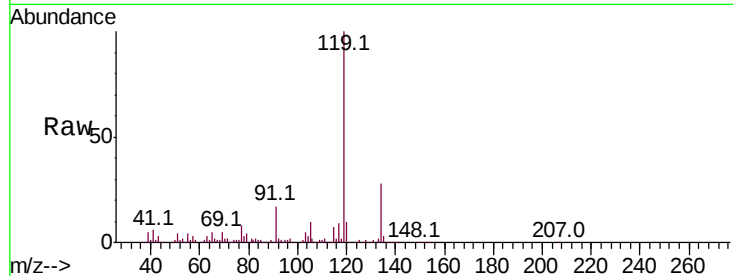




#90  
Hexachloroethane  
Concen: 28.837 ug/l  
RT: 13.86 min Scan# 3770  
Delta R.T. 0.01 min  
Lab File: VN064895.D  
Acq: 3 Dec 2020 13:47

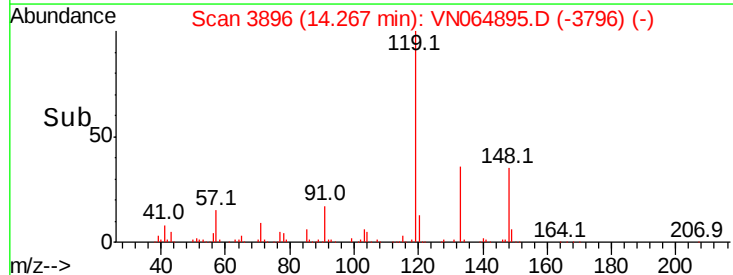
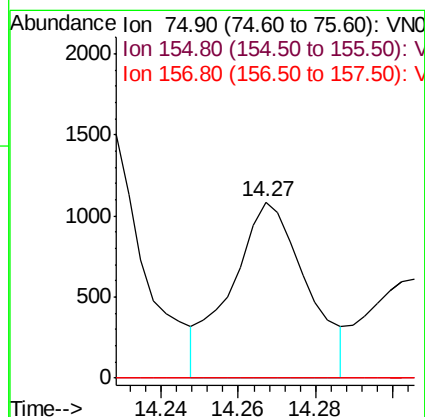
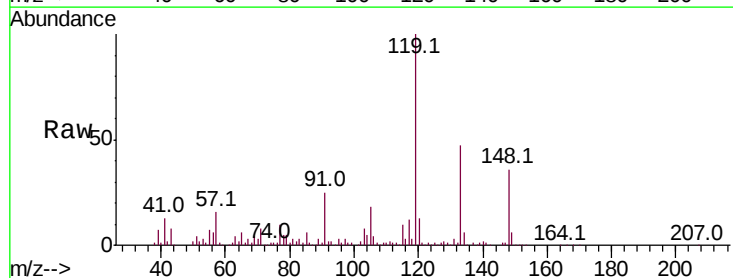
Instrument :  
MSVOA\_N  
ClientSampled :  
20801

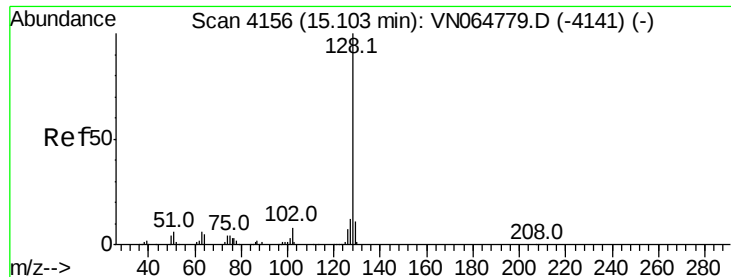
Tot Ion:117 Resp: 48318  
Ion Ratio Lower Upper  
117 100  
201 0.0 40.1 120.3#



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 1.950 ug/l  
RT: 14.27 min Scan# 3896  
Delta R.T. 0.02 min  
Lab File: VN064895.D  
Acq: 3 Dec 2020 13:47

Tgt Ion: 75 Resp: 1473  
Ion Ratio Lower Upper  
75 100  
155 0.0 42.8 128.3#  
157 0.0 56.4 169.1#





#95

Naphthalene

Concen: 42.418 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN064895.D

Acq: 3 Dec 2020 13:47

Instrument :

MSVOA\_N

ClientSampleId :

20801

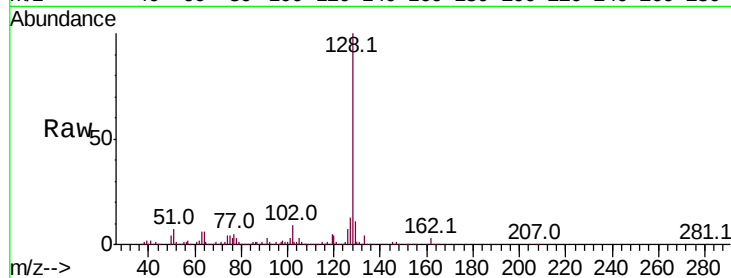
Tot Ion:128 Resp: 423425

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

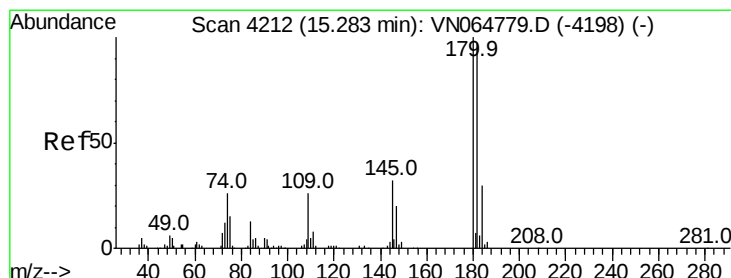
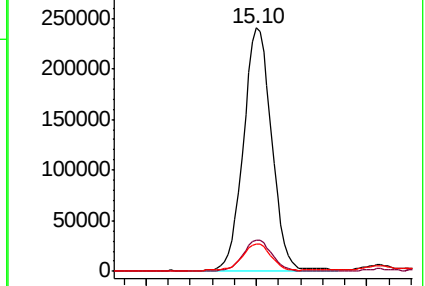
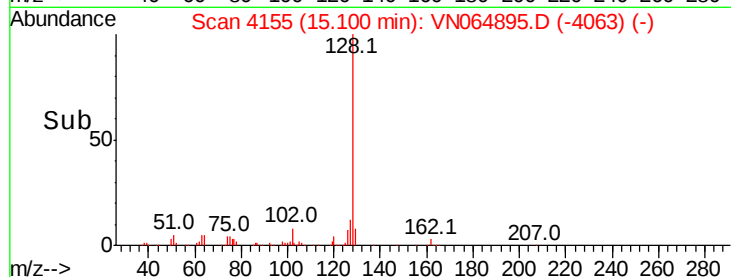
129 11.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.504 ug/l

RT: 15.28 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN064895.D

Acq: 3 Dec 2020 13:47

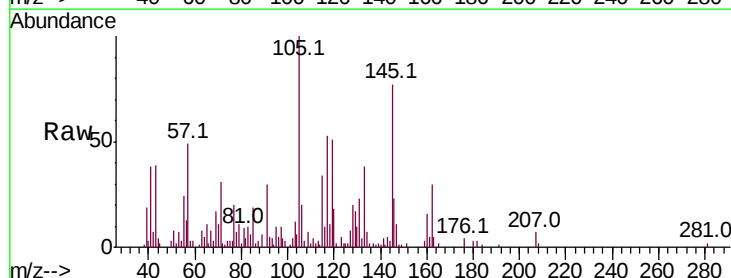
Tgt Ion:180 Resp: 366

Ion Ratio Lower Upper

180 100

182 149.7 48.1 144.4#

145 0.0 16.4 49.1#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

