

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092120\  
 Data File : VN063481.D  
 Acq On : 21 Sep 2020 13:22  
 Operator : JC/MD  
 Sample : L3952-14DL 10X  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 40556DL

Quant Time: Sep 22 02:23:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091620W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 16 13:05:20 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 240963   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 447176   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 449013   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 206781   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 200299   | 48.83 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.66%  |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 146289   | 47.26 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.52%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 586099   | 50.35 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.70% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 232352   | 54.45 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 108.90% |          |

| Target Compounds            | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|-----------------------------|-------|------|----------|---------|--------|--------|
| 11) Tert butyl alcohol      | 4.72  | 59   | 775      | 1.364   | ug/l # | 72     |
| 13) Acrolein                | 3.51  | 56   | 266      | 1.263   | ug/l # | 1      |
| 16) Acetone                 | 3.78  | 43   | 479249   | 363.547 | ug/l   | 99     |
| 17) Carbon Disulfide        | 4.02  | 76   | 1901     | 0.240   | ug/l # | 75     |
| 18) Methyl Acetate          | 4.02  | 43   | 37788    | 11.292  | ug/l # | 54     |
| 19) Methyl tert-butyl Ether | 5.00  | 73   | 24268    | 2.395   | ug/l   | 96     |
| 20) Methylene Chloride      | 4.51  | 84   | 761      | 0.228   | ug/l # | 49     |
| 22) Diisopropyl ether       | 5.89  | 45   | 3649     | 0.333   | ug/l # | 73     |
| 25) 2-Butanone              | 6.79  | 43   | 15633    | 7.711   | ug/l   | 94     |
| 26) 2,2-Dichloropropane     | 6.78  | 77   | 1243     | 0.236   | ug/l # | 55     |
| 29) Tetrahydrofuran         | 7.15  | 42   | 413      | 0.298   | ug/l # | 36     |
| 31) Cyclohexane             | 7.62  | 56   | 7326     | 1.293   | ug/l # | 4      |
| 36) 1,1-Dichloropropene     | 7.62  | 75   | 22871    | 4.801   | ug/l # | 48     |
| 37) Ethyl Acetate           | 6.89  | 43   | 55749    | 11.923  | ug/l # | 97     |
| 38) Carbon Tetrachloride    | 7.62  | 117  | 26804    | 5.512   | ug/l # | 16     |
| 40) Benzene                 | 8.00  | 78   | 716106   | 52.657  | ug/l   | 98     |
| 42) 1,2-Dichloroethane      | 8.00  | 62   | 6941     | 1.269   | ug/l   | 81     |
| 43) Isopropyl Acetate       | 7.97  | 43   | 71049    | 8.498   | ug/l # | 64     |
| 48) Methyl methacrylate     | 9.01  | 41   | 25150    | 6.123   | ug/l # | 50     |
| 49) 1,4-Dioxane             | 9.17  | 88   | 70       | 1.188   | ug/l # | 20     |
| 51) 4-Methyl-2-Pentanone    | 9.96  | 43   | 4037     | 0.863   | ug/l # | 47     |
| 52) Toluene                 | 10.13 | 92   | 709247   | 86.742  | ug/l   | 99     |
| 53) t-1,3-Dichloropropene   | 10.13 | 75   | 9254     | 1.639   | ug/l # | 1      |
| 59) 2-Hexanone              | 10.83 | 43   | 2560     | 0.755   | ug/l # | 28     |
| 67) Ethyl Benzene           | 11.48 | 91   | 140019   | 7.801   | ug/l   | 99     |
| 68) m/p-Xylenes             | 11.59 | 106  | 183527   | 28.359  | ug/l   | 96     |
| 69) o-Xylene                | 11.92 | 106  | 112957   | 18.323  | ug/l   | 96     |
| 70) Styrene                 | 11.93 | 104  | 7648     | 0.740   | ug/l # | 1      |
| 73) Isopropylbenzene        | 12.22 | 105  | 20963    | 1.265   | ug/l   | 97     |
| 74) N-amyl acetate          | 12.00 | 43   | 3973     | 0.507   | ug/l # | 47     |
| 76) 1,2,3-Trichloropropane  | 12.38 | 75   | 132776   | 25.942  | ug/l # | 100    |
| 78) n-propylbenzene         | 12.57 | 91   | 62672    | 3.247   | ug/l   | 99     |
| 79) 2-Chlorotoluene         | 12.63 | 91   | 24104    | 2.083   | ug/l # | 43     |
| 80) 1,3,5-Trimethylbenzene  | 12.71 | 105  | 77982    | 5.644   | ug/l   | 98     |

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 Quant Title : SW846 8260  
 QLast Update : Wed Sep 16 13:05:20 2020  
 Response via : Initial Calibration

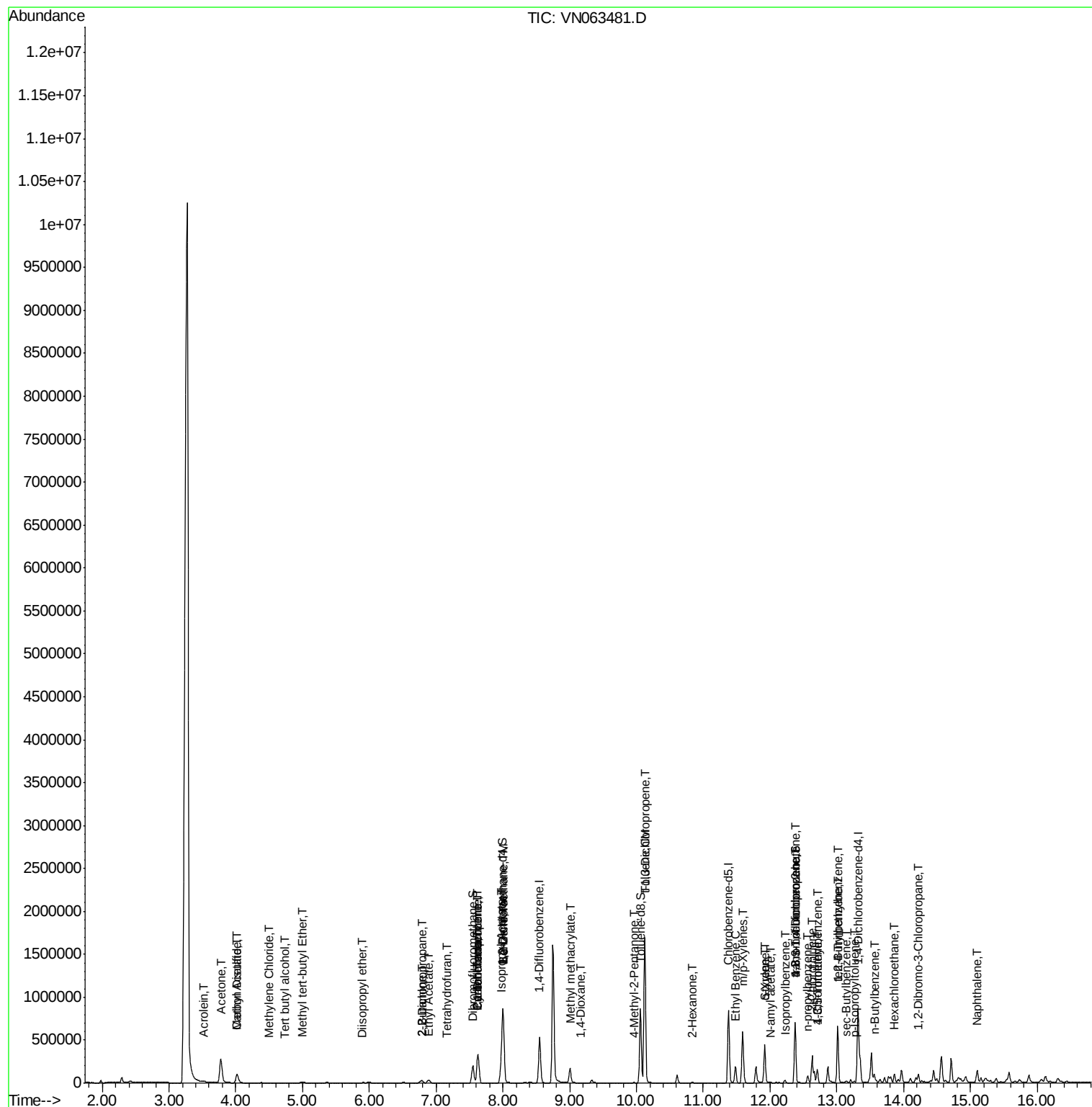
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75   | 132776   | 71.124 | ug/l # | 7        |
| 82) 4-Chlorotoluene            | 12.71 | 91   | 7970     | 0.652  | ug/l # | 44       |
| 83) tert-Butylbenzene          | 13.01 | 119  | 43699    | 3.832  | ug/l # | 66       |
| 84) 1,2,4-Trimethylbenzene     | 13.01 | 105  | 366688   | 26.273 | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.14 | 105  | 13851    | 0.907  | ug/l   | 93       |
| 86) p-Isopropyltoluene         | 13.26 | 119  | 8300     | 0.616  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.59 | 91   | 12522    | 1.009  | ug/l # | 75       |
| 90) Hexachloroethane           | 13.87 | 117  | 4865     | 1.898  | ug/l # | 14       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.22 | 75   | 659      | 0.539  | ug/l # | 10       |
| 95) Naphthalene                | 15.10 | 128  | 109769   | 8.309  | ug/l   | 99       |

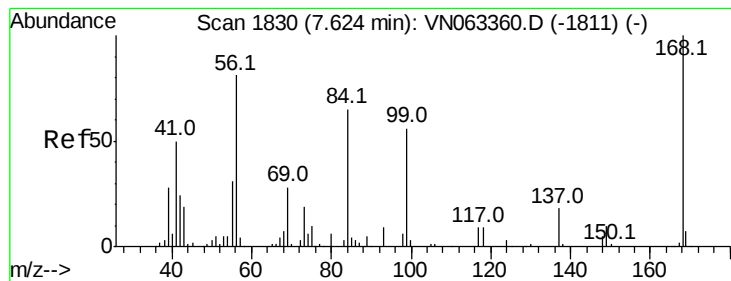
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092120\  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

Instrument :

MSVOA\_N

ClientSampleId :

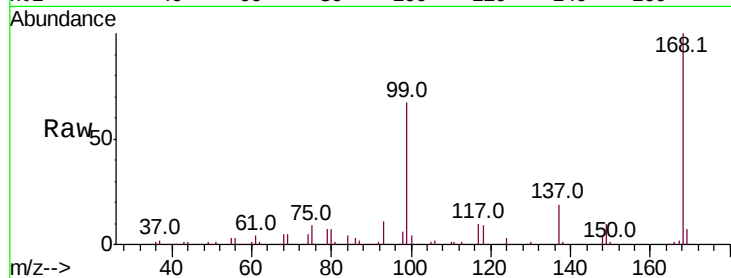
40556DL

Tot Ion:168 Resp: 240963

Ion Ratio Lower Upper

168 100

99 66.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

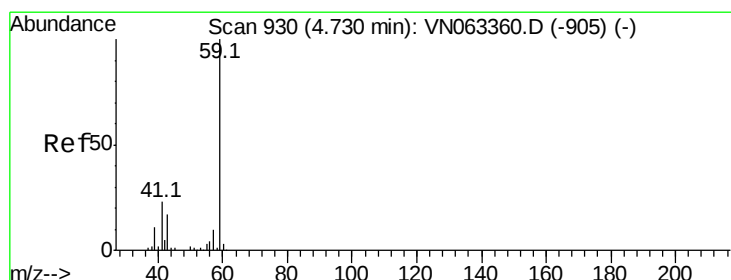
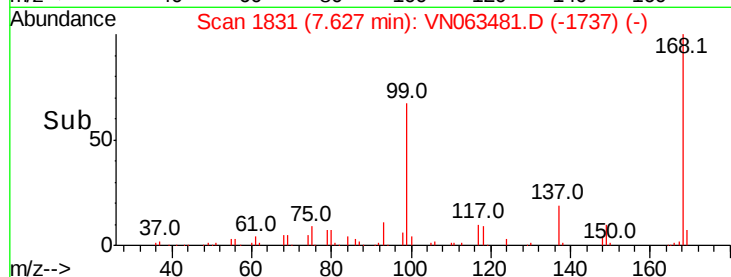
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 1.364 ug/l

RT: 4.72 min Scan# 927

Delta R.T. -0.01 min

Lab File: VN063481.D

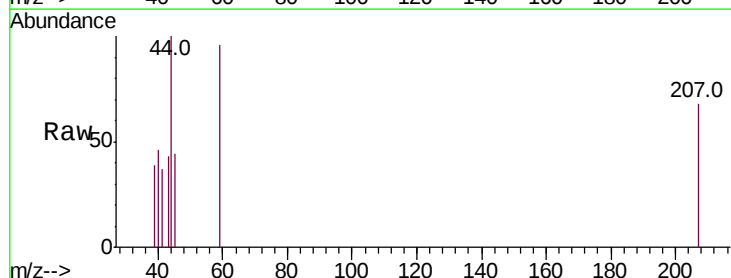
Acq: 21 Sep 2020 13:22

Tgt Ion: 59 Resp: 775

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.72

600

500

400

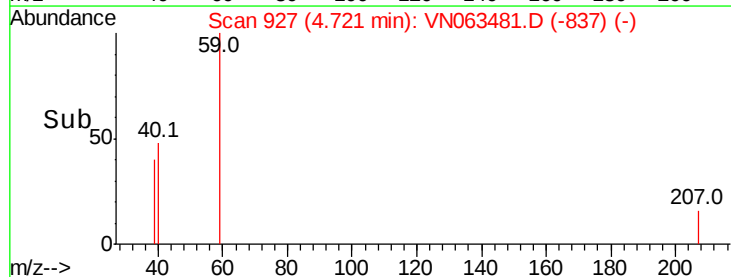
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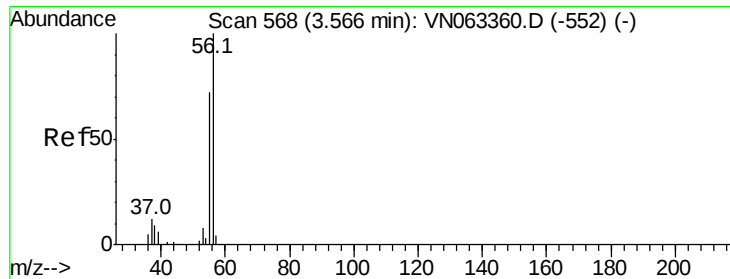
200

100

0

Time--> 4.70 4.72 4.74





#13

Acrolein

Concen: 1.263 ug/l

RT: 3.51 min Scan# 552

Delta R.T. -0.05 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

Instrument :

MSVOA\_N

ClientSampleId :

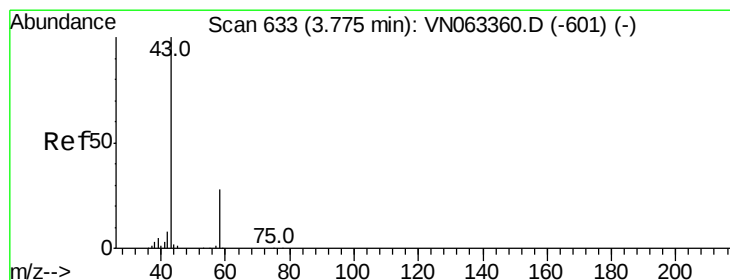
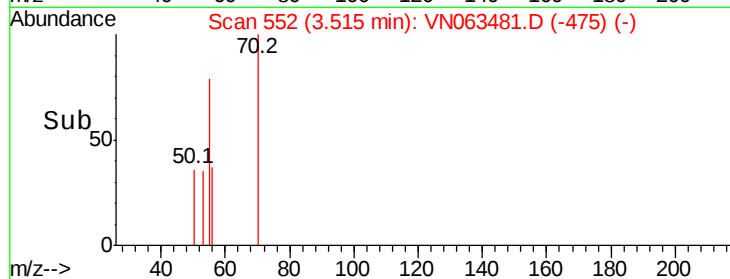
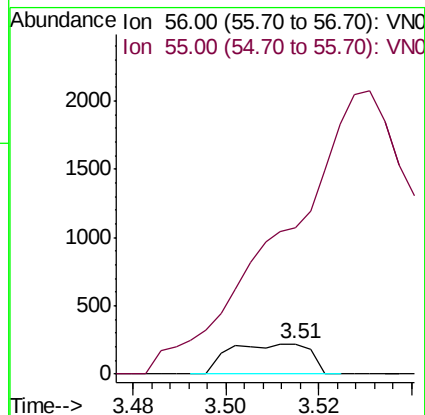
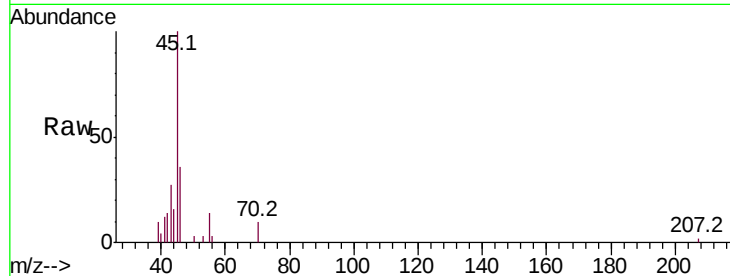
40556DL

Tot Ion: 56 Resp: 266

Ion Ratio Lower Upper

56 100

55 1681.2 58.2 87.2#



#16

Acetone

Concen: 363.547 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN063481.D

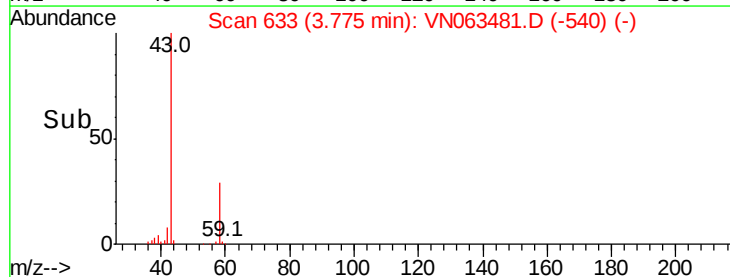
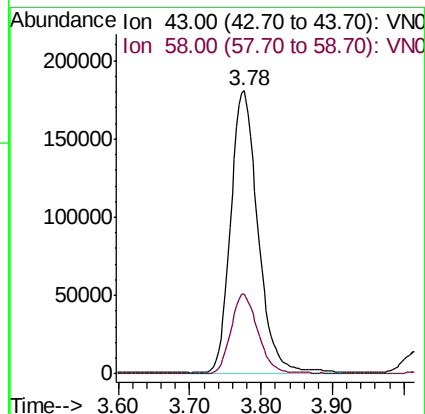
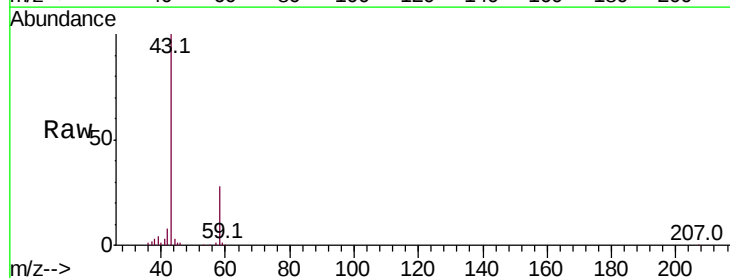
Acq: 21 Sep 2020 13:22

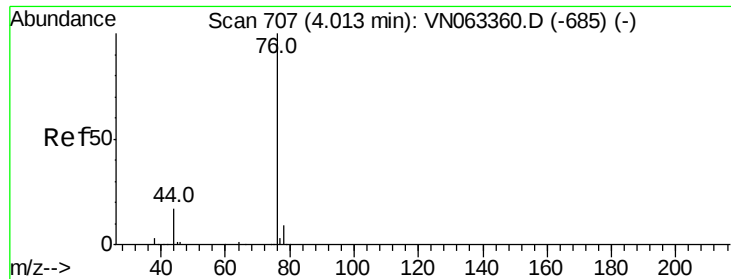
Tgt Ion: 43 Resp: 479249

Ion Ratio Lower Upper

43 100

58 28.4 22.3 33.5

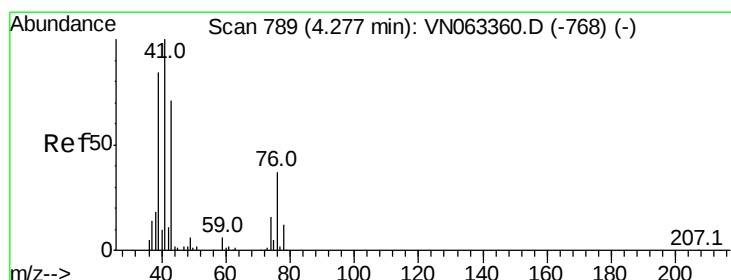
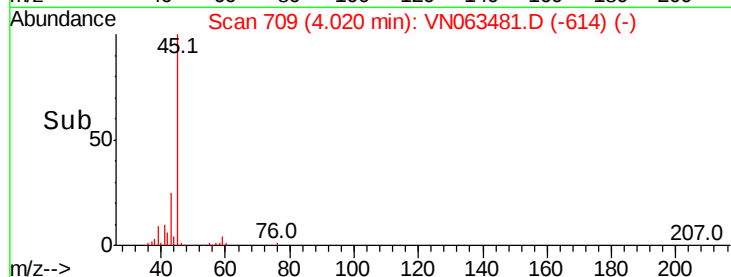
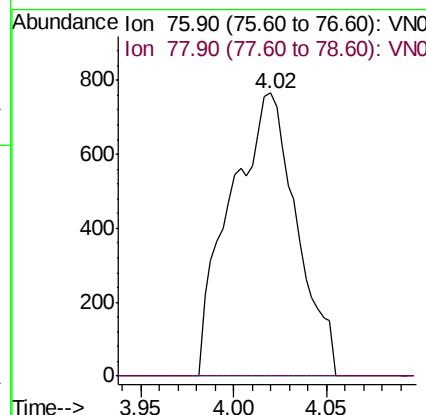
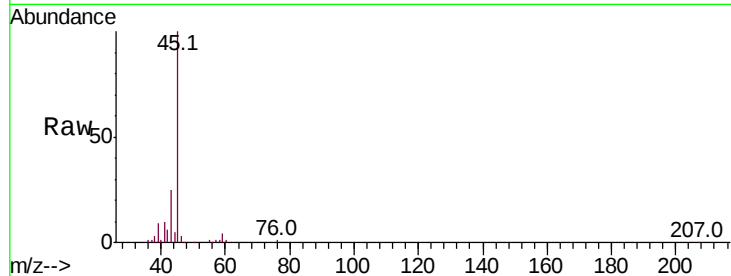




#17  
Carbon Disulfide  
Concen: 0.240 ug/l  
RT: 4.02 min Scan# 709  
Delta R.T. 0.01 min  
Lab File: VN063481.D  
Acq: 21 Sep 2020 13:22

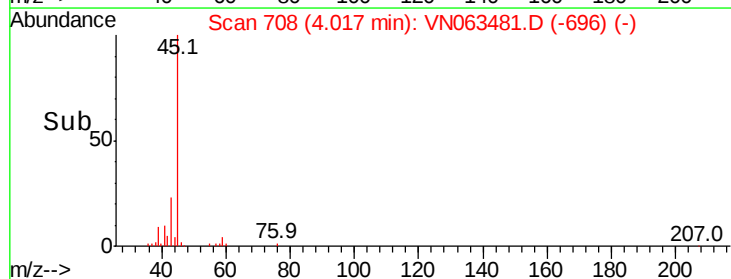
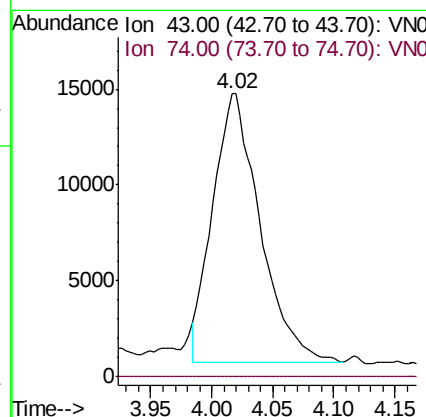
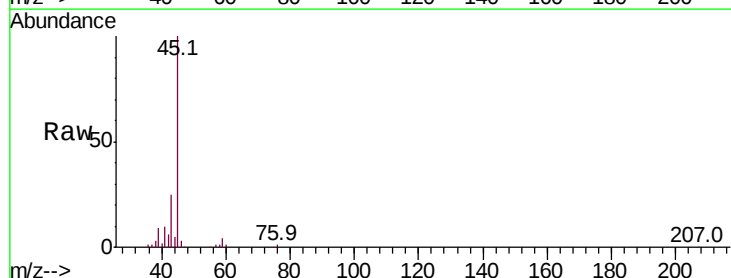
Instrument :  
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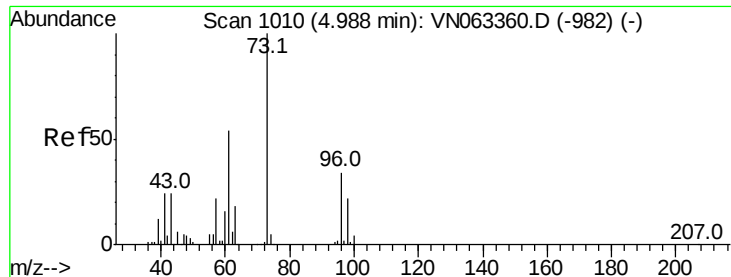
Tot Ion: 76 Resp: 1901  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#



#18  
Methyl Acetate  
Concen: 11.292 ug/l  
RT: 4.02 min Scan# 708  
Delta R.T. -0.26 min  
Lab File: VN063481.D  
Acq: 21 Sep 2020 13:22

Tgt Ion: 43 Resp: 37788  
Ion Ratio Lower Upper  
43 100  
74 0.0 17.4 26.2#

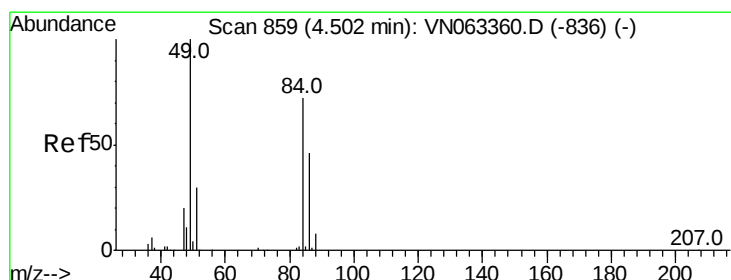
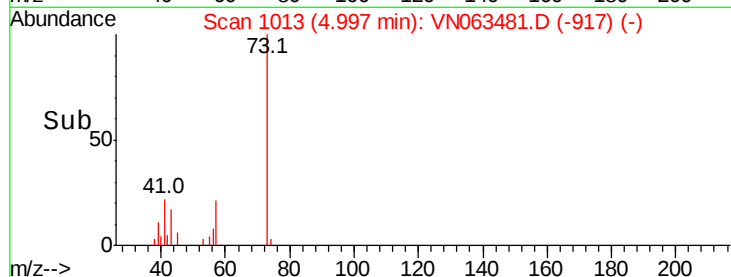
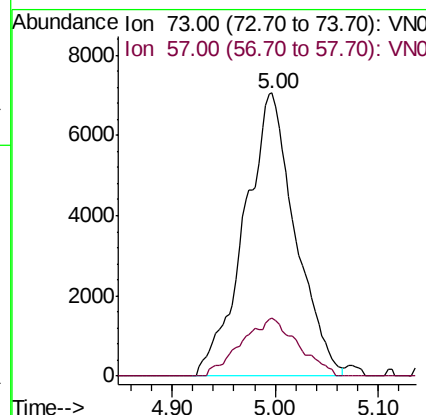
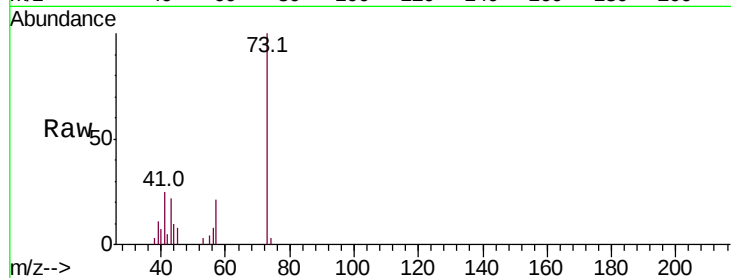




#19  
Methvl tert-butvl Ether  
Concen: 2.395 ug/l  
RT: 5.00 min Scan# 1013  
Delta R.T. 0.01 min  
Lab File: VN063481.D  
Acq: 21 Sep 2020 13:22

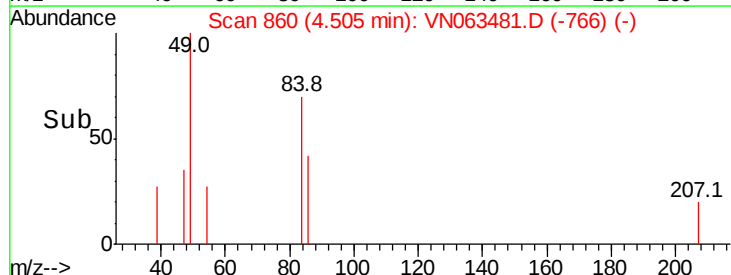
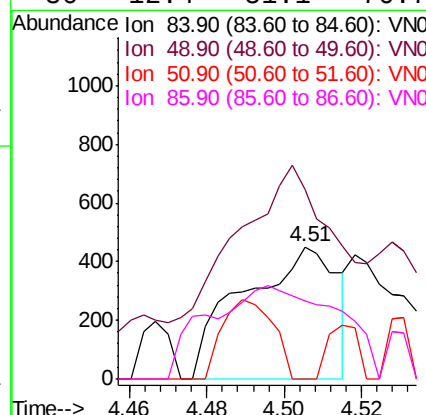
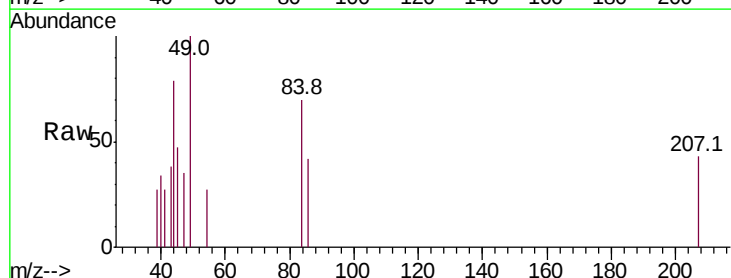
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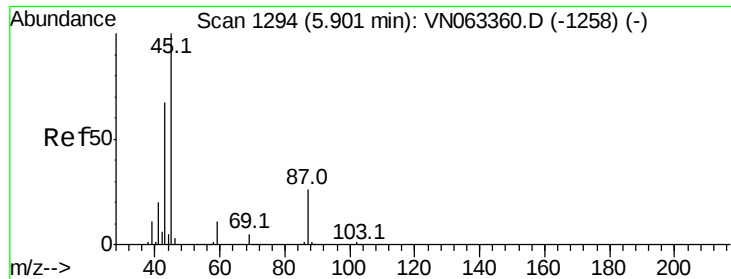
Tot Ion: 73 Resp: 24268  
Ion Ratio Lower Upper  
73 100  
57 20.5 17.9 26.9



#20  
Methylene Chloride  
Concen: 0.228 ug/l  
RT: 4.51 min Scan# 860  
Delta R.T. 0.00 min  
Lab File: VN063481.D  
Acq: 21 Sep 2020 13:22

Tgt Ion: 84 Resp: 761  
Ion Ratio Lower Upper  
84 100  
49 89.6 110.7 166.1#  
51 0.0 32.9 49.3#  
86 12.4 51.1 76.7#





#22

Diisopropyl ether

Concen: 0.333 ug/l

RT: 5.89 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

Instrument :

MSVOA\_N

ClientSampleId :

40556DL

Tot Ion: 45 Resp: 3649

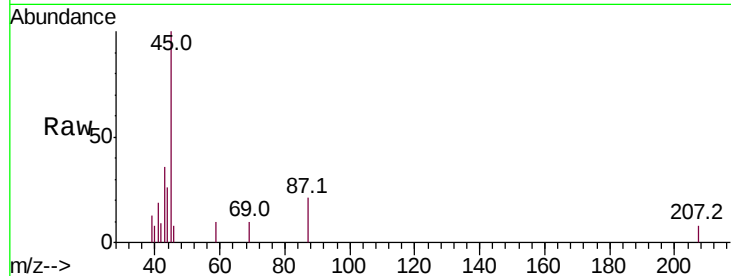
Ion Ratio Lower Upper

45 100

43 36.0 53.5 80.3#

87 21.5 21.2 31.8

59 10.2 8.8 13.2

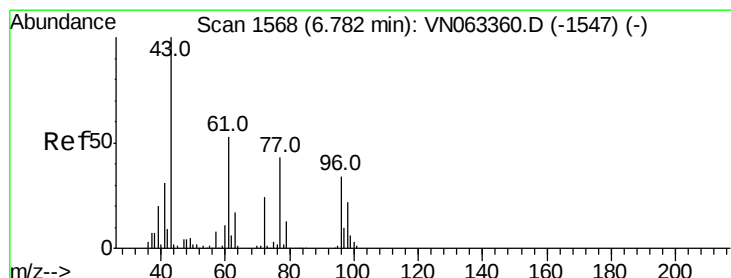
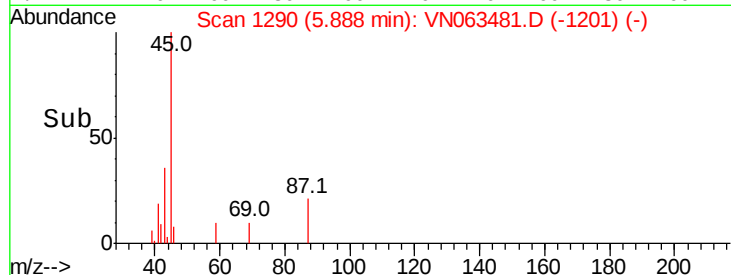
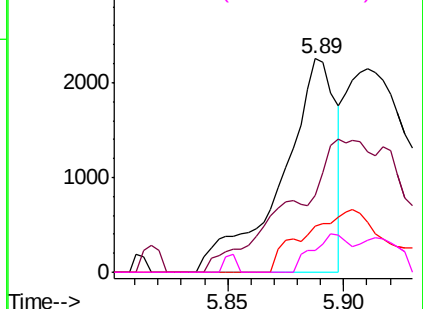


Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0



#25

2-Butanone

Concen: 7.711 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN063481.D

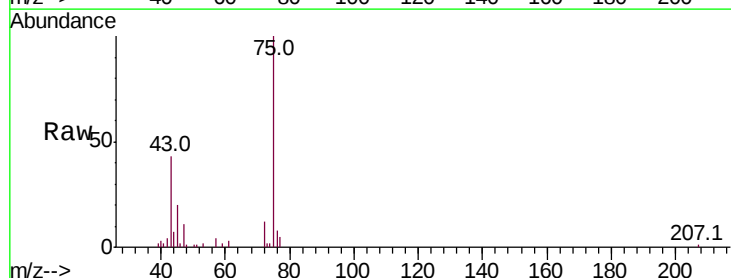
Acq: 21 Sep 2020 13:22

Tgt Ion: 43 Resp: 15633

Ion Ratio Lower Upper

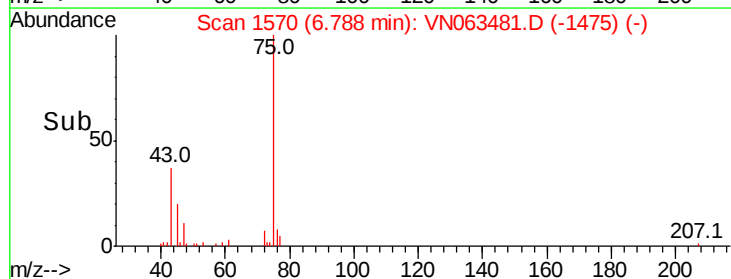
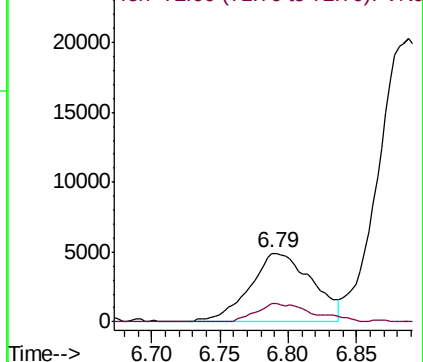
43 100

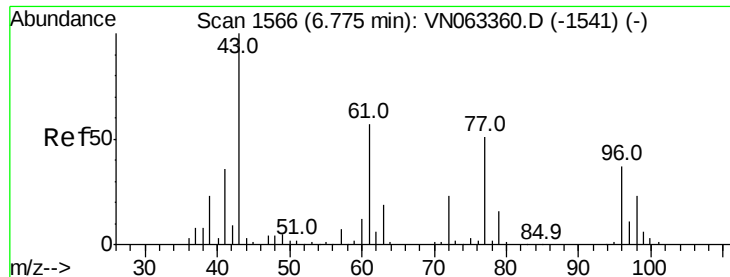
72 27.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

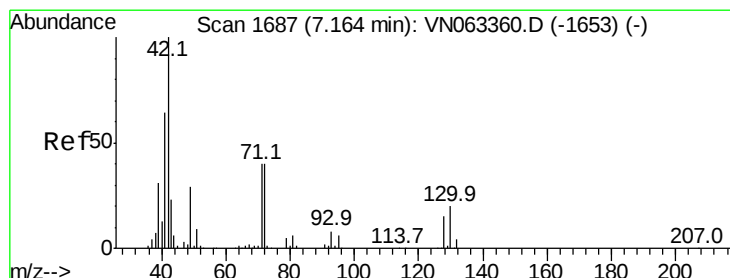
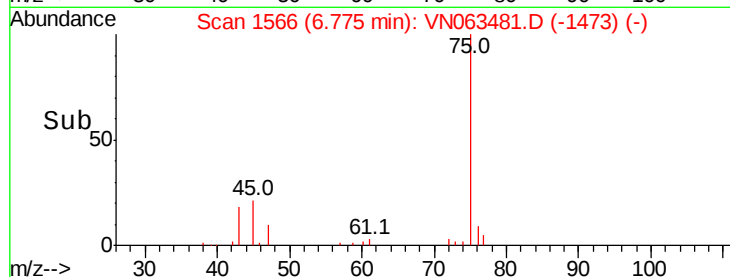
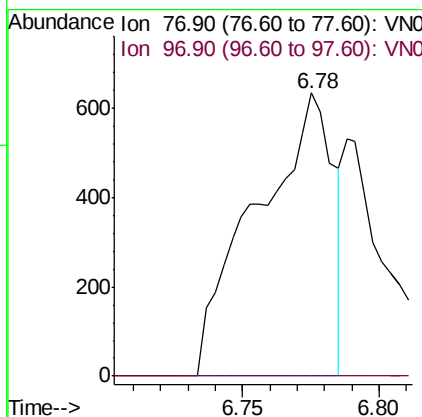
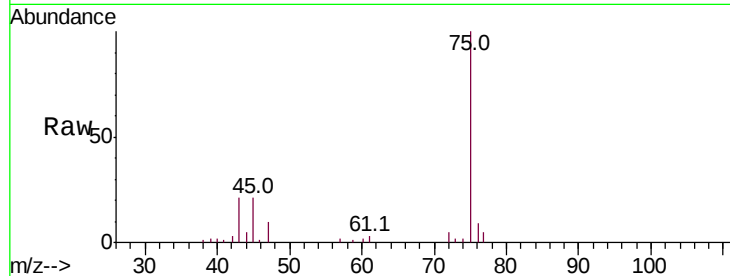




#26  
 2,2-Dichloropropane  
 Concen: 0.236 ug/l  
 RT: 6.78 min Scan# 1566  
 Delta R.T. -0.00 min  
 Lab File: VN063481.D  
 Acq: 21 Sep 2020 13:22

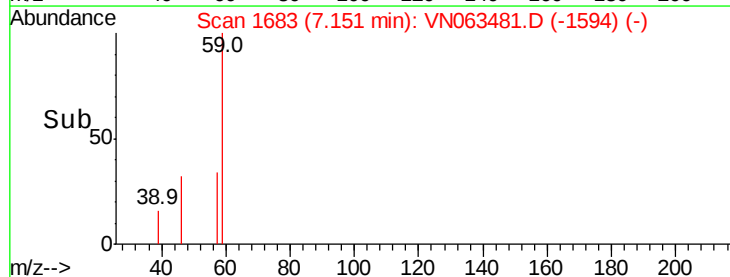
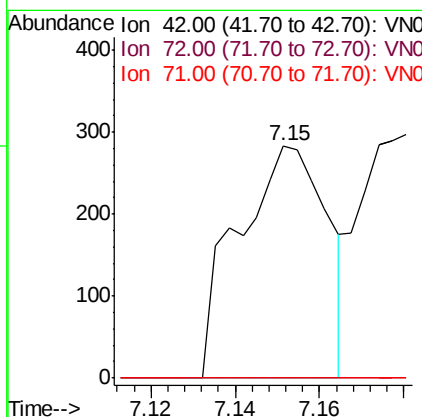
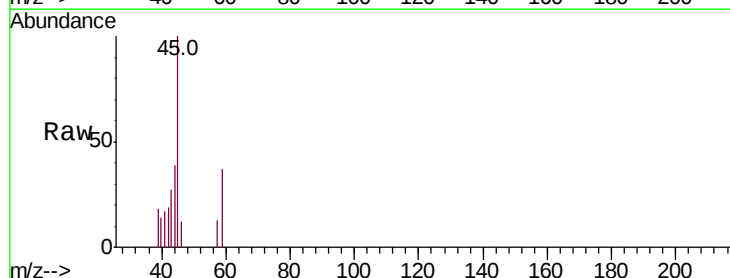
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 40556DL

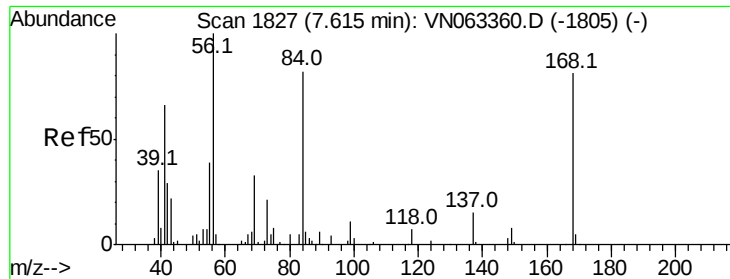
Tot Ion: 77 Resp: 1243  
 Ion Ratio Lower Upper  
 77 100  
 97 0.0 10.5 31.6#



#29  
 Tetrahydrofuran  
 Concen: 0.298 ug/l  
 RT: 7.15 min Scan# 1683  
 Delta R.T. -0.01 min  
 Lab File: VN063481.D  
 Acq: 21 Sep 2020 13:22

Tgt Ion: 42 Resp: 413  
 Ion Ratio Lower Upper  
 42 100  
 72 0.0 32.1 48.1#  
 71 0.0 31.2 46.8#

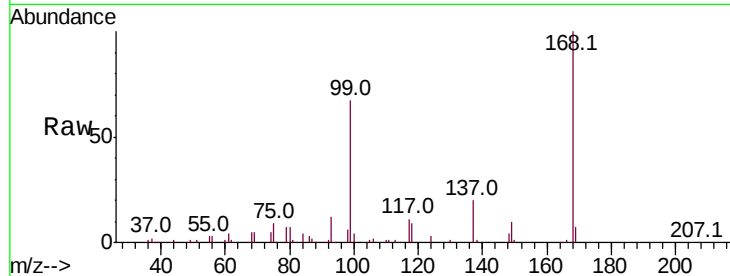




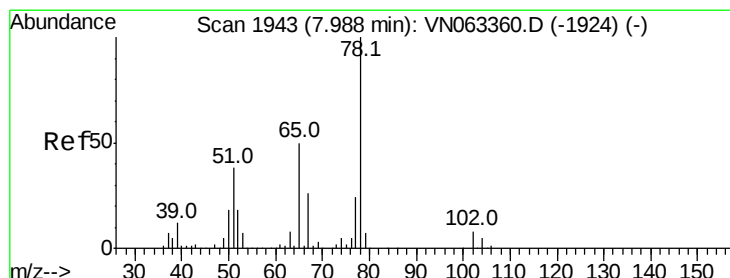
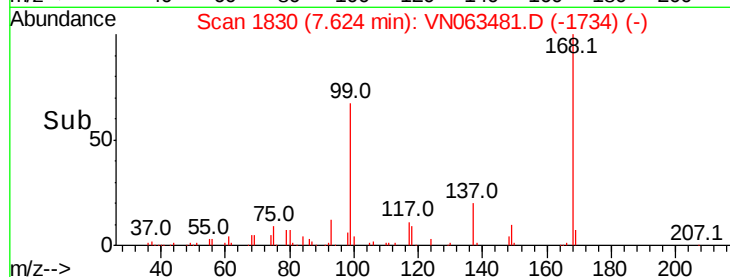
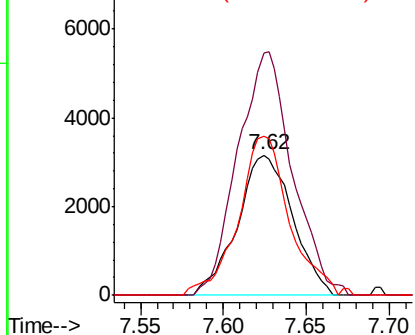
#31  
Cyclohexane  
Concen: 1.293 ug/l  
RT: 7.62 min Scan# 1830  
Delta R.T. 0.01 min  
Lab File: VN063481.D  
Acq: 21 Sep 2020 13:22

Instrument :  
MSVOA\_N  
ClientSampleID :  
40556DL

Tot Ion: 56 Resp: 7326  
Ion Ratio Lower Upper  
56 100  
69 172.3 26.1 39.1#  
84 113.7 65.4 98.2#

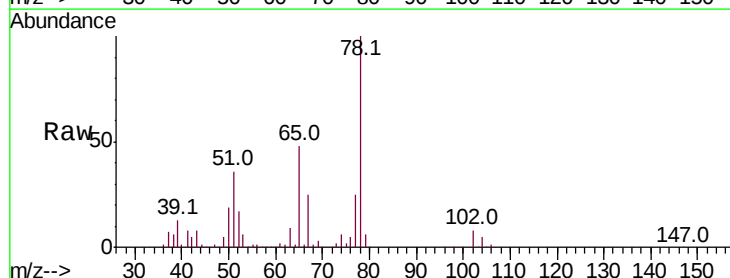


Abundance Ion 56.00 (55.70 to 56.70): VNC  
Ion 69.00 (68.70 to 69.70): VNC  
Ion 84.00 (83.70 to 84.70): VNC

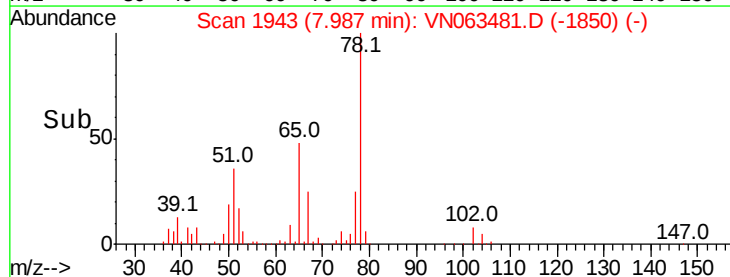
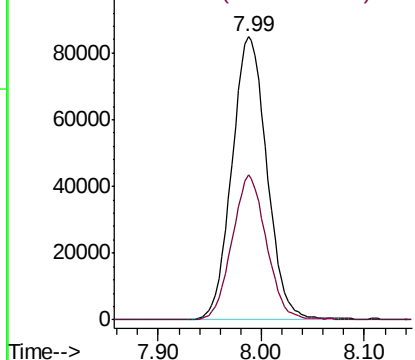


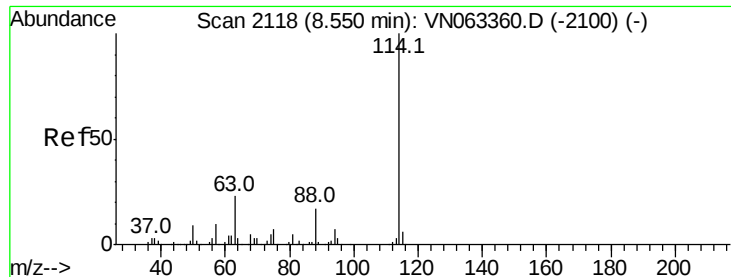
#33  
1,2-Dichloroethane-d4  
Concen: 48.832 ug/l  
RT: 7.99 min Scan# 1943  
Delta R.T. -0.00 min  
Lab File: VN063481.D  
Acq: 21 Sep 2020 13:22

Tgt Ion: 65 Resp: 200299  
Ion Ratio Lower Upper  
65 100  
67 50.3 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VNC  
Ion 66.90 (66.60 to 67.60): VNC

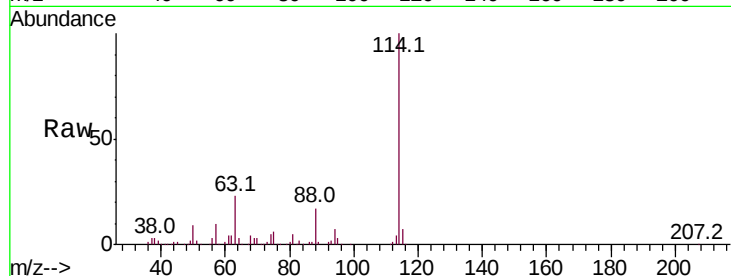




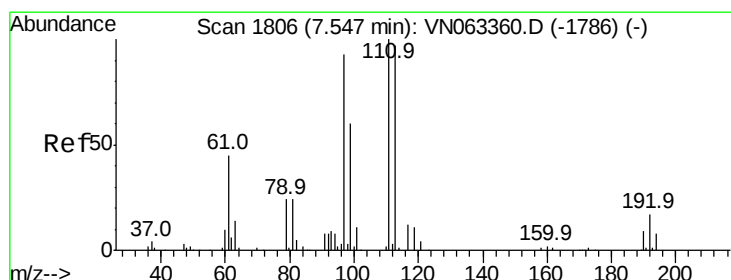
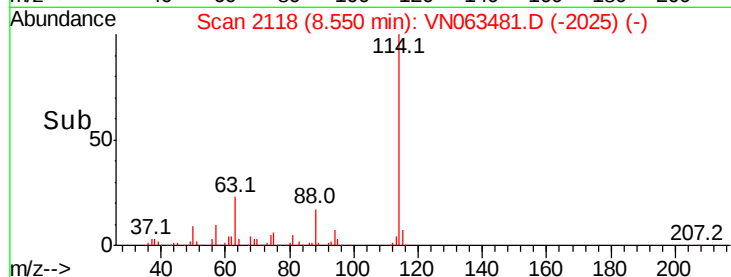
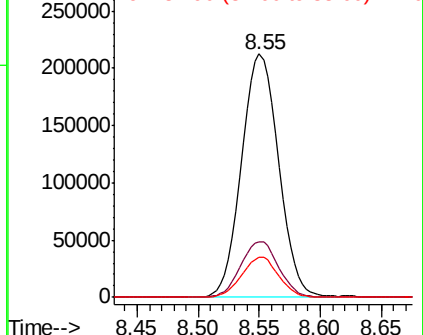
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN063481.D  
 Acq: 21 Sep 2020 13:22

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 40556DL

Tot Ion:114 Resp: 447176  
 Ion Ratio Lower Upper  
 114 100  
 63 23.0 0.0 46.4  
 88 16.7 0.0 33.2

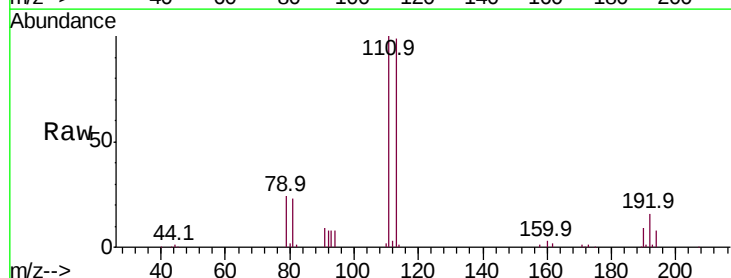


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

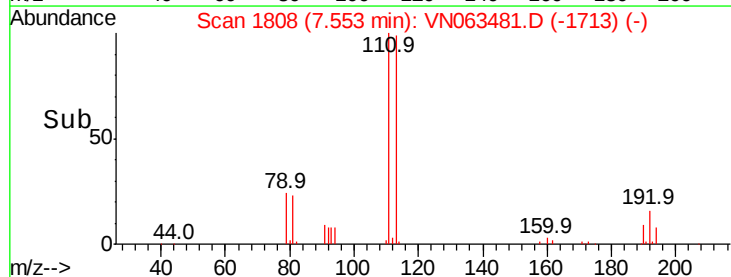
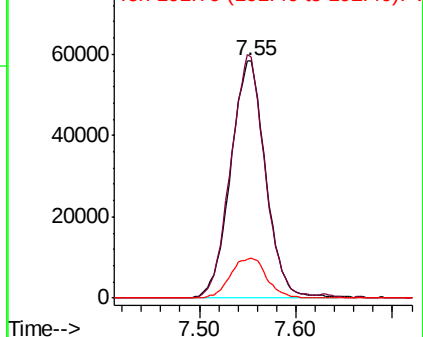


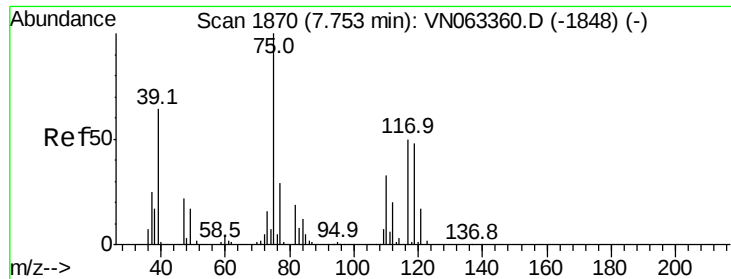
#35  
 Dibromofluoromethane  
 Concen: 47.255 ug/l  
 RT: 7.55 min Scan# 1808  
 Delta R.T. 0.01 min  
 Lab File: VN063481.D  
 Acq: 21 Sep 2020 13:22

Tgt Ion:113 Resp: 146289  
 Ion Ratio Lower Upper  
 113 100  
 111 100.2 82.9 124.3  
 192 17.5 13.9 20.9



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: 4.801 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.13 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

Instrument :

MSVOA\_N

ClientSampled :

40556DL

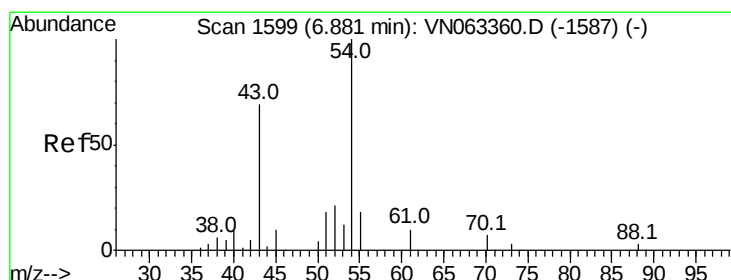
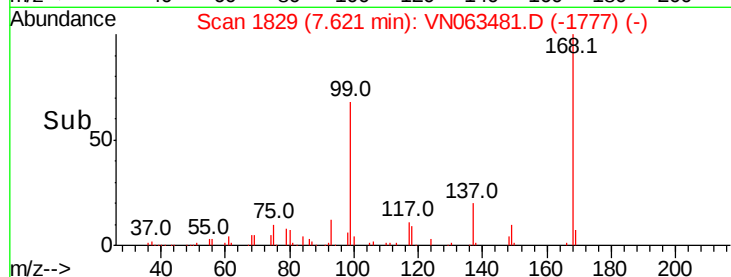
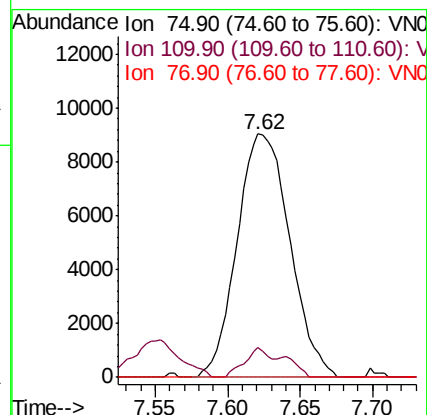
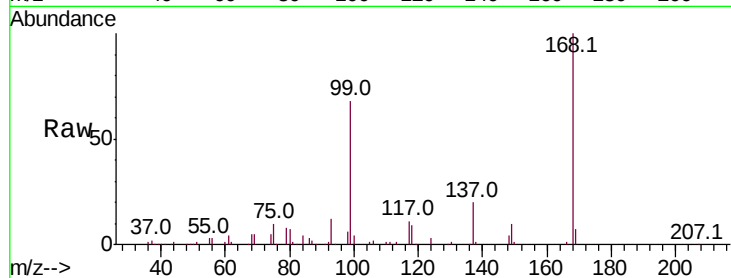
Tot Ion: 75 Resp: 22871

Ion Ratio Lower Upper

75 100

110 6.1 16.5 49.5#

77 0.0 24.6 36.8#



#37

Ethyl Acetate

Concen: 11.923 ug/l

RT: 6.89 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

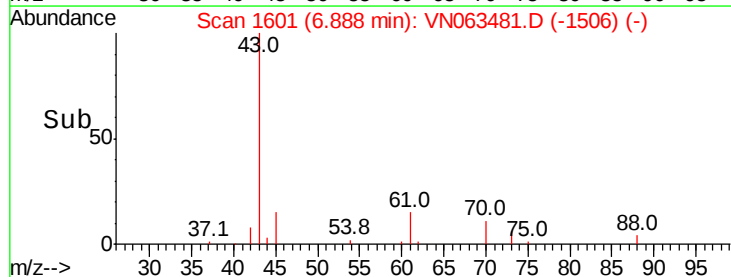
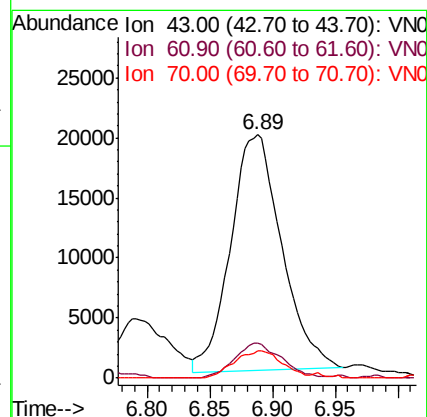
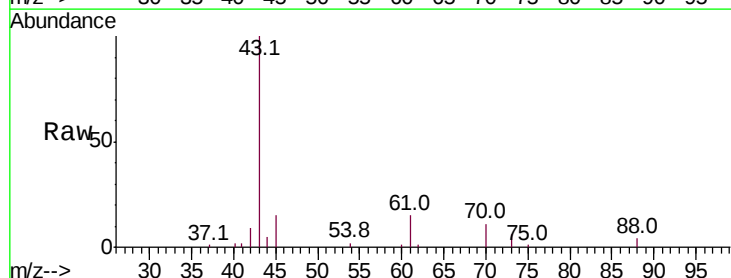
Tgt Ion: 43 Resp: 55749

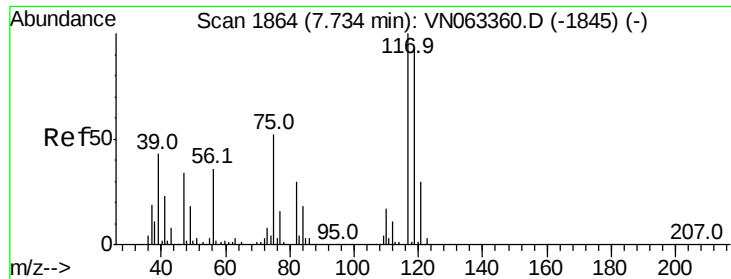
Ion Ratio Lower Upper

43 100

61 13.8 10.6 15.8

70 10.9 7.2 10.8#

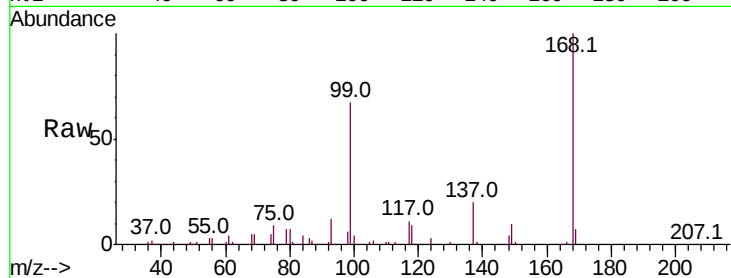




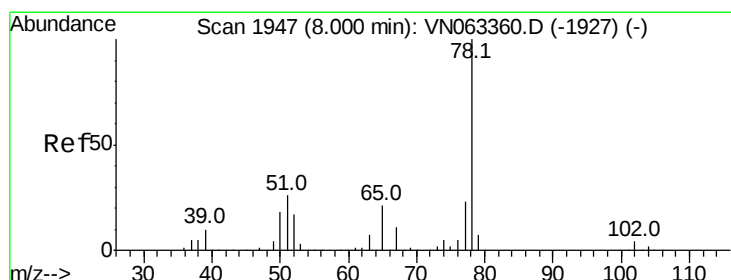
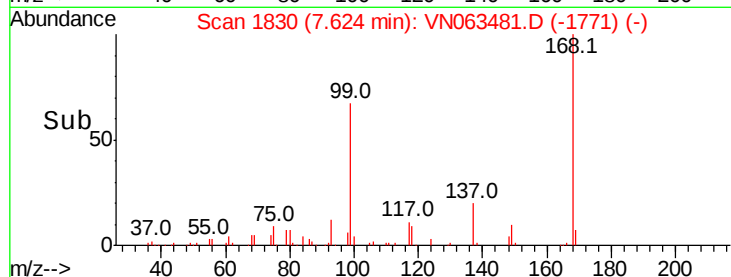
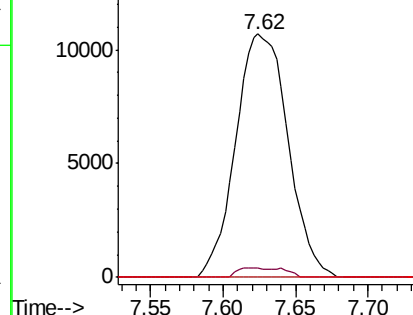
#38  
Carbon Tetrachloride  
Concen: 5.512 ug/l  
RT: 7.62 min Scan# 1830  
Delta R.T. -0.11 min  
Lab File: VN063481.D  
Acq: 21 Sep 2020 13:22

Instrument :  
MSVOA\_N  
ClientSampled :  
40556DL

Tot Ion:117 Resp: 26804  
Ion Ratio Lower Upper  
117 100  
119 3.7 74.5 111.7#  
121 0.0 24.1 36.1#

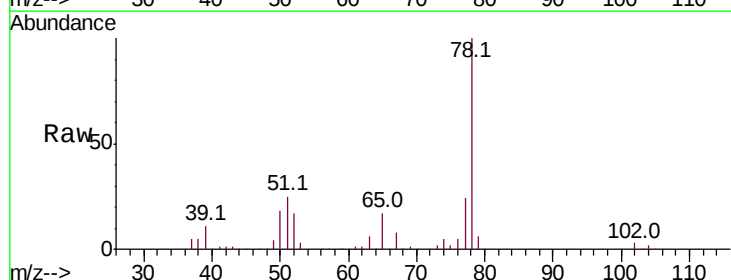


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

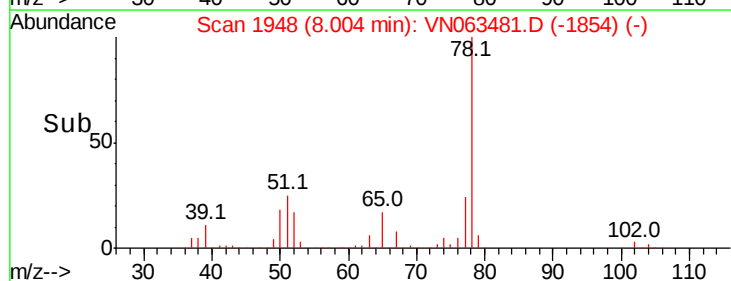
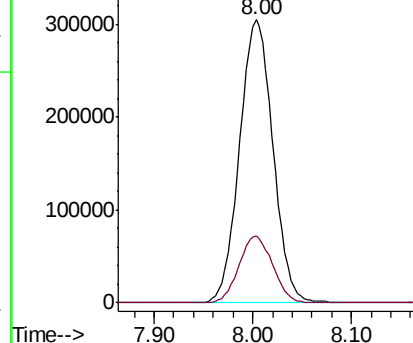


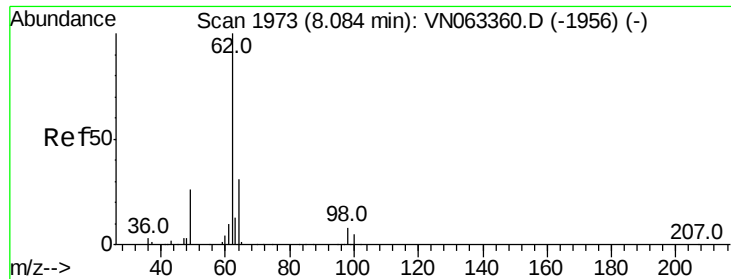
#40  
Benzene  
Concen: 52.657 ug/l  
RT: 8.00 min Scan# 1948  
Delta R.T. 0.00 min  
Lab File: VN063481.D  
Acq: 21 Sep 2020 13:22

Tgt Ion: 78 Resp: 716106  
Ion Ratio Lower Upper  
78 100  
77 23.7 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): V  
Ion 77.00 (76.70 to 77.70): V





#42

1,2-Dichloroethane

Concen: 1.269 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. -0.08 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

Instrument :

MSVOA\_N

ClientSampleId :

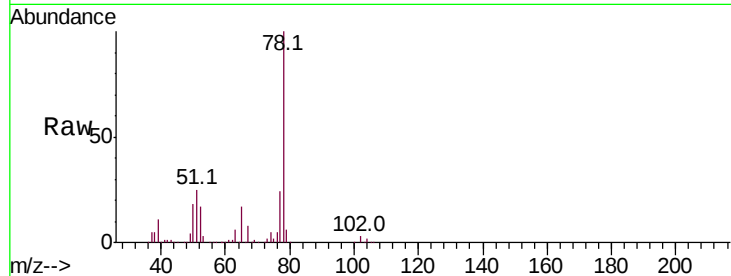
40556DL

Tot Ion: 62 Resp: 6941

Ion Ratio Lower Upper

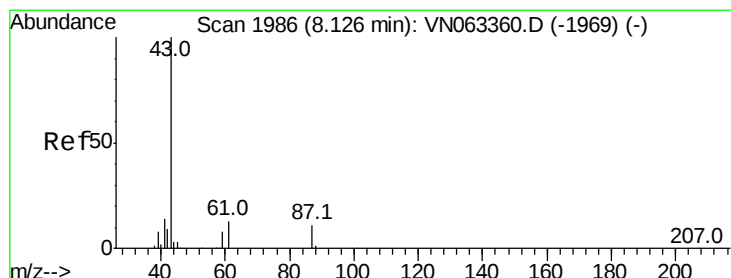
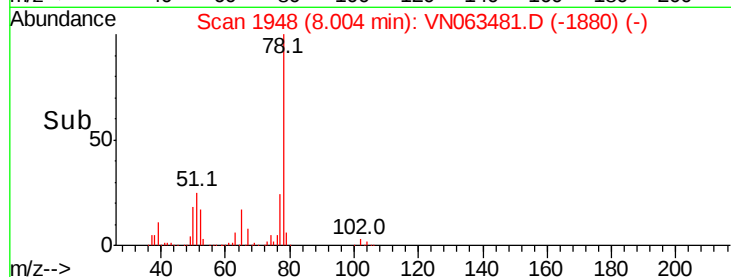
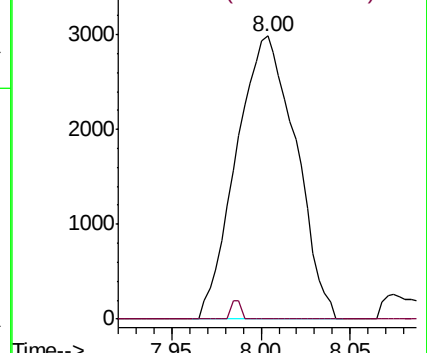
62 100

98 1.1 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#43

Isopropyl Acetate

Concen: 8.498 ug/l

RT: 7.97 min Scan# 1938

Delta R.T. -0.15 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

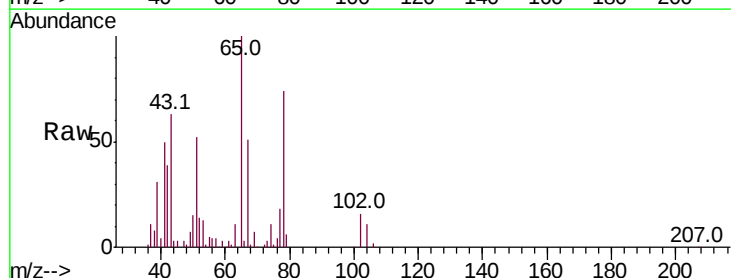
Tgt Ion: 43 Resp: 71049

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.2#

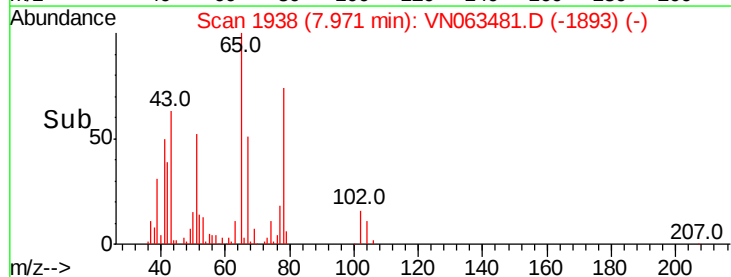
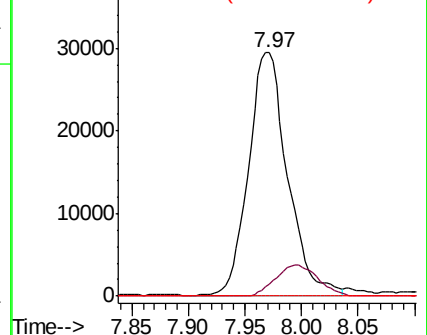
87 0.0 9.0 13.6#

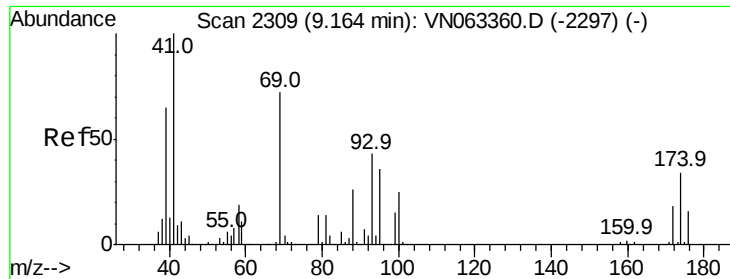


Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 61.00 (60.70 to 61.70): VNC

Ion 87.00 (86.70 to 87.70): VNC





#48

Methyl methacrylate

Concen: 6.123 ug/l

RT: 9.01 min Scan# 2260

Delta R.T. -0.16 min

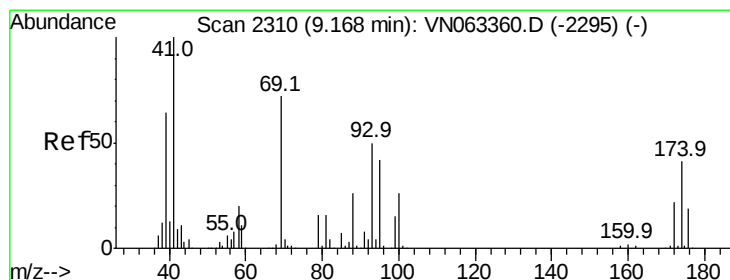
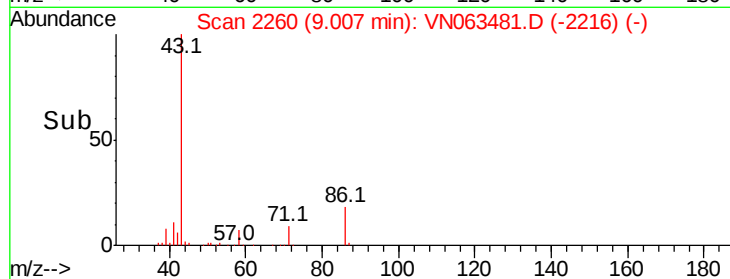
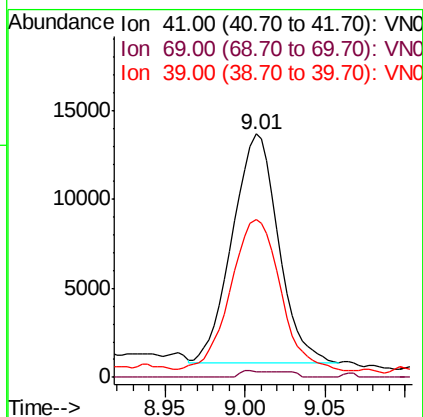
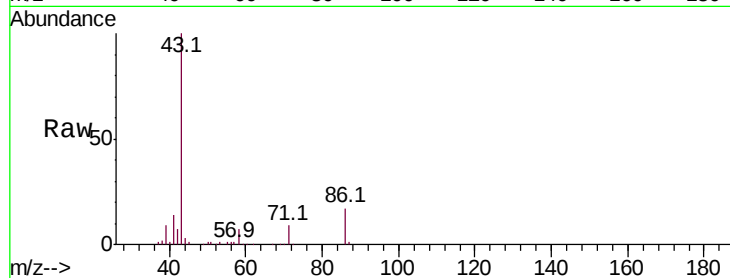
Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

Instrument :  
MSVOA\_N  
ClientSampled :  
40556DL

Tot Ion: 41 Resp: 25150

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 69  | 1.3   | 59.3  | 88.9# |
| 39  | 72.9  | 52.9  | 79.3  |



#49

1,4-Dioxane

Concen: 1.188 ug/l

RT: 9.17 min Scan# 2310

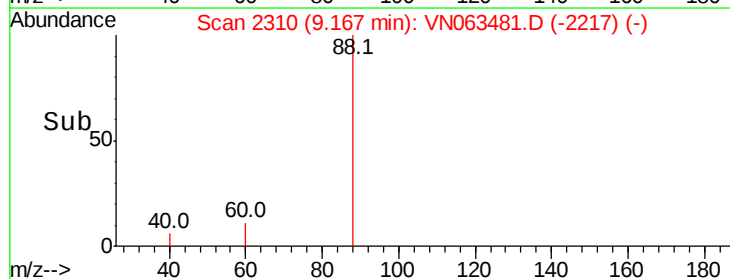
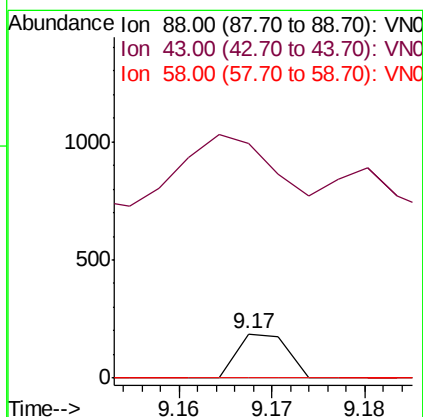
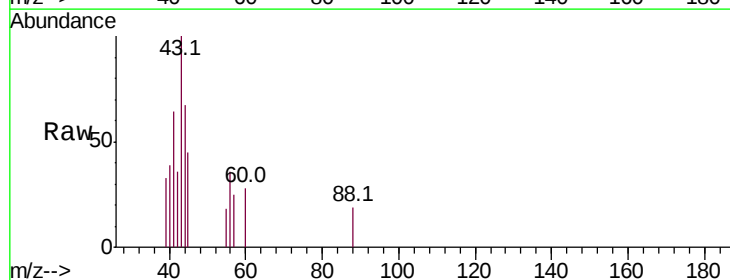
Delta R.T. -0.00 min

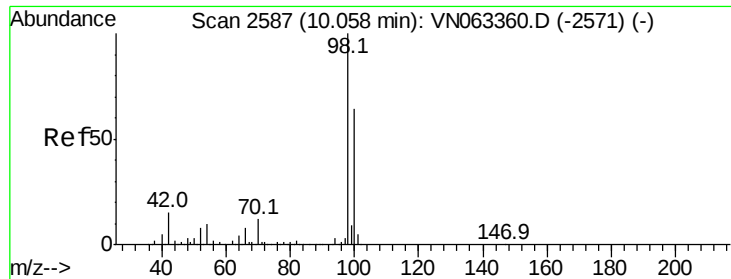
Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

Tgt Ion: 88 Resp: 70

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 0.0   | 32.6  | 49.0# |
| 58  | 0.0   | 60.0  | 90.0# |





#50

Toluene-d8

Concen: 50.350 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

Instrument :

MSVOA\_N

ClientSampleId :

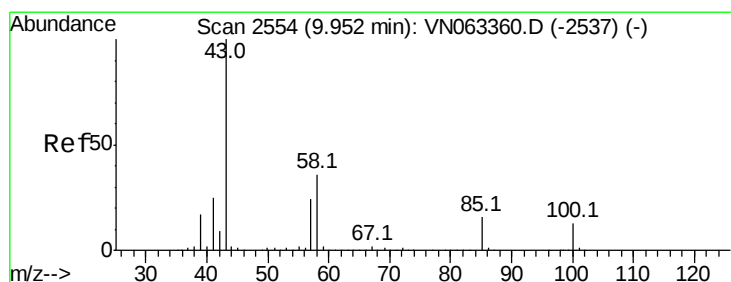
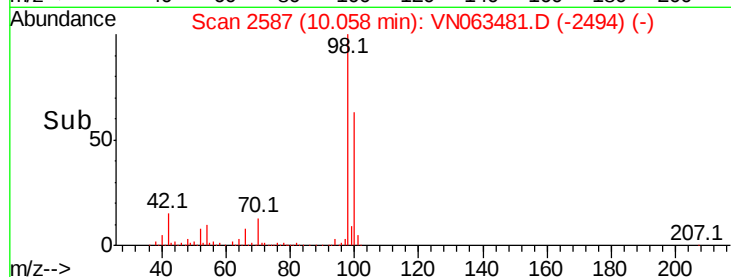
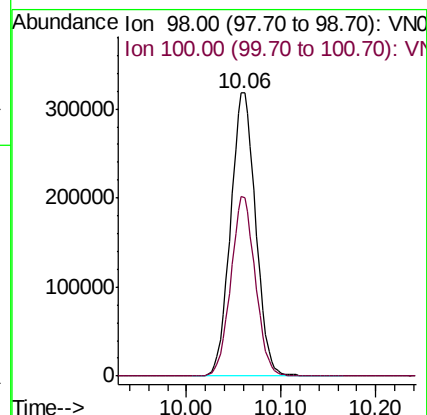
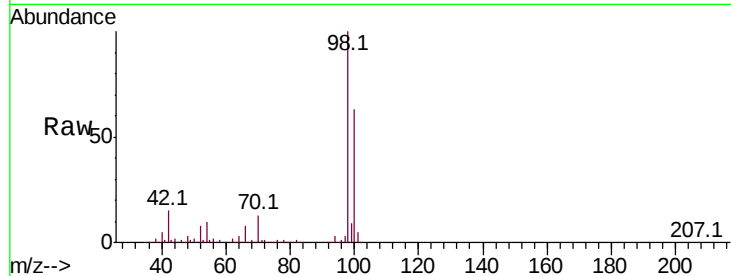
40556DL

Tot Ion: 98 Resp: 586099

Ion Ratio Lower Upper

98 100

100 61.9 50.7 76.1



#51

4-Methyl-2-Pentanone

Concen: 0.863 ug/l

RT: 9.96 min Scan# 2557

Delta R.T. 0.01 min

Lab File: VN063481.D

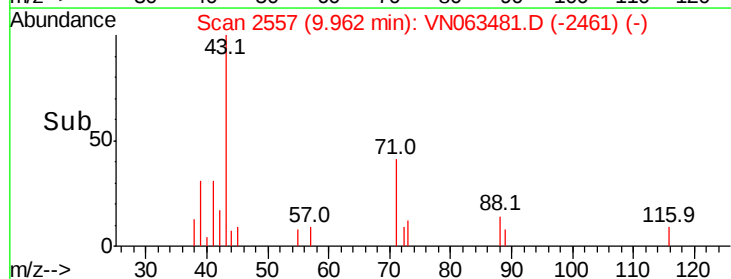
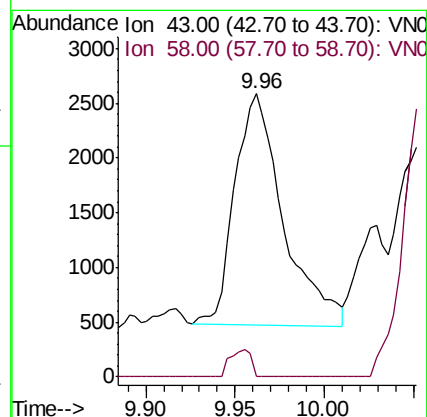
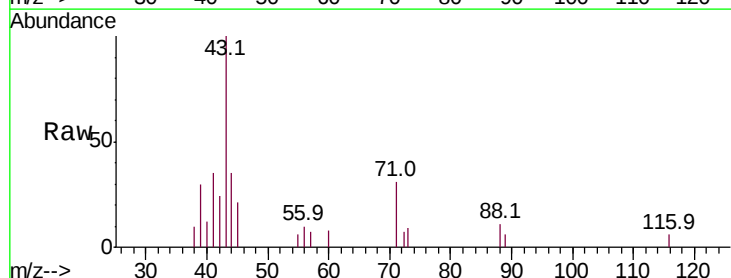
Acq: 21 Sep 2020 13:22

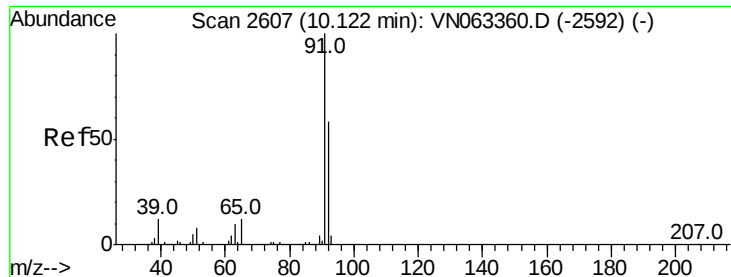
Tgt Ion: 43 Resp: 4037

Ion Ratio Lower Upper

43 100

58 5.0 29.0 43.6#





#52

Toluene

Concen: 86.742 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

Instrument :

MSVOA\_N

ClientSampleId :

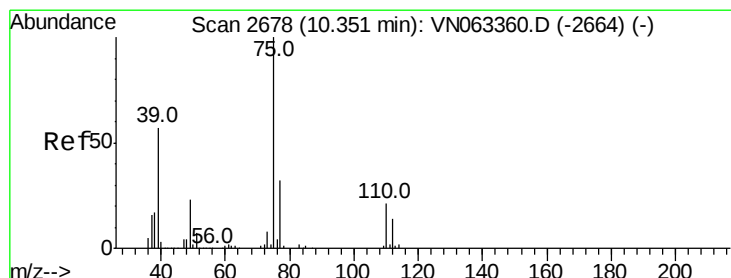
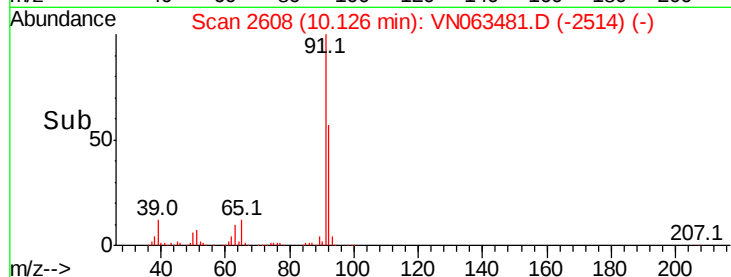
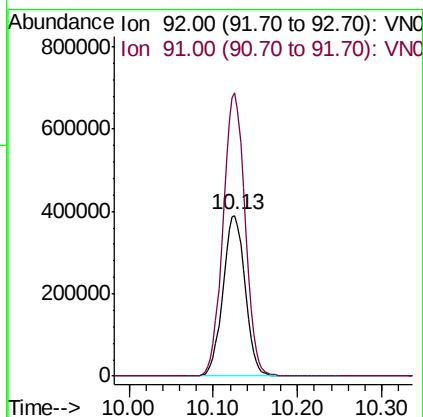
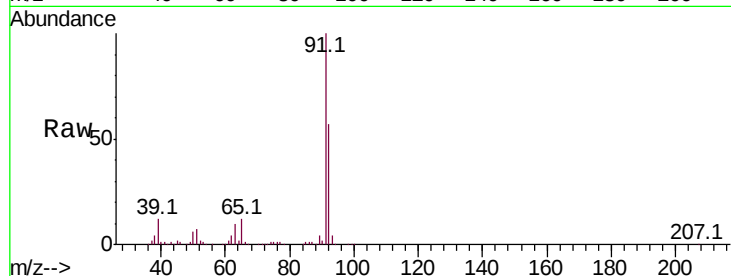
40556DL

Tot Ion: 92 Resp: 709247

Ion Ratio Lower Upper

92 100

91 175.9 139.7 209.5



#53

t-1,3-Dichloropropene

Concen: 1.639 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. -0.23 min

Lab File: VN063481.D

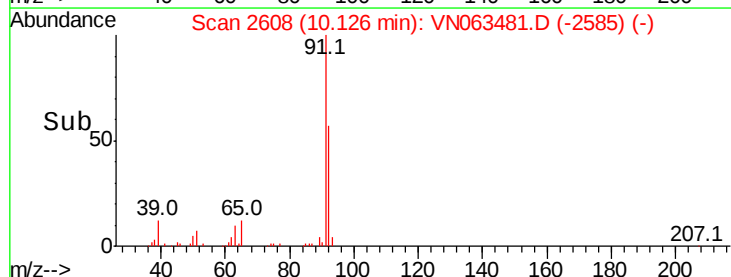
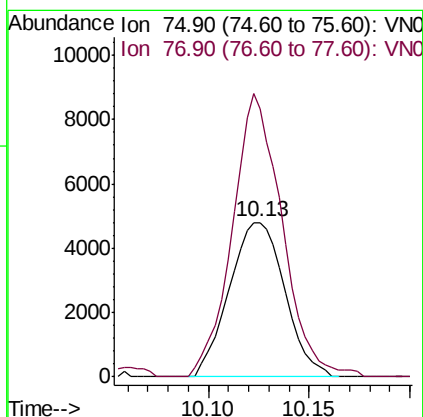
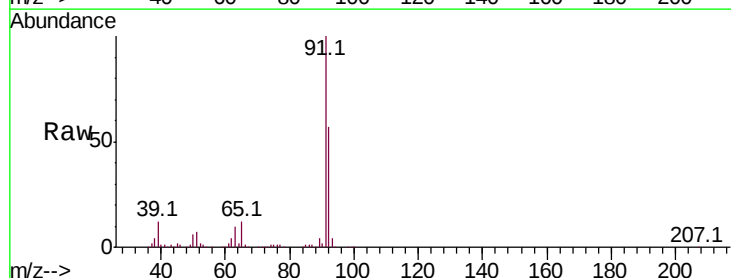
Acq: 21 Sep 2020 13:22

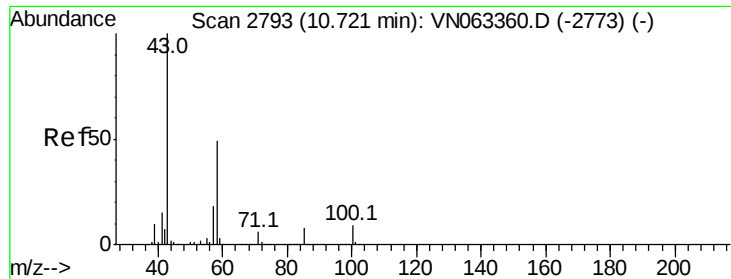
Tgt Ion: 75 Resp: 9254

Ion Ratio Lower Upper

75 100

77 173.0 25.4 38.2#

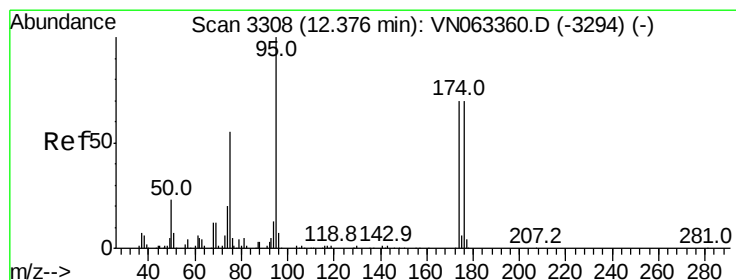
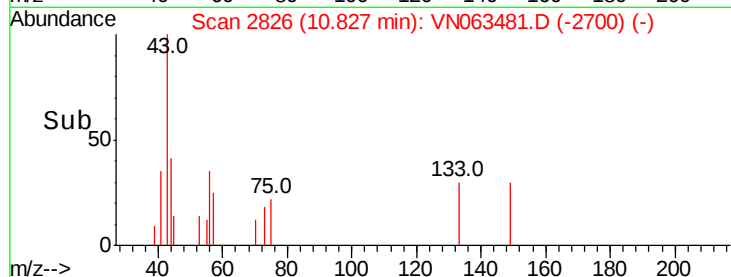
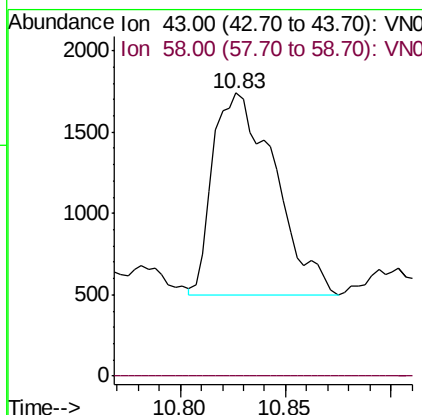
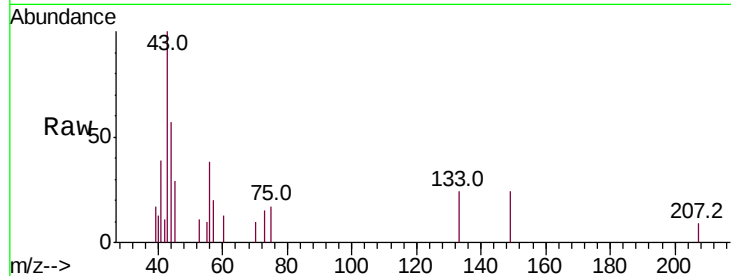




#59  
2-Hexanone  
Concen: 0.755 ug/l  
RT: 10.83 min Scan# 2826  
Delta R.T. 0.11 min  
Lab File: VN063481.D  
Acq: 21 Sep 2020 13:22

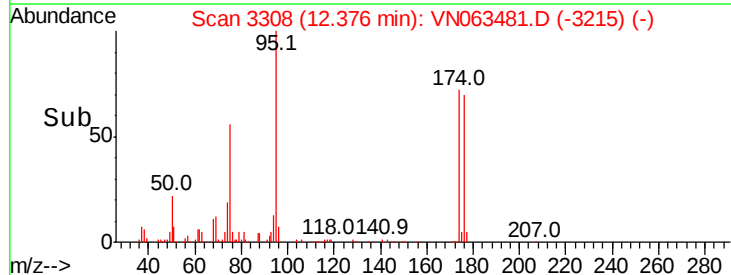
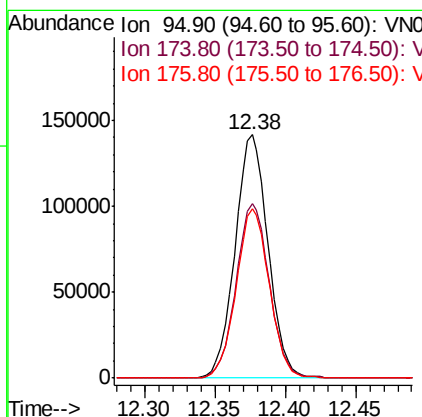
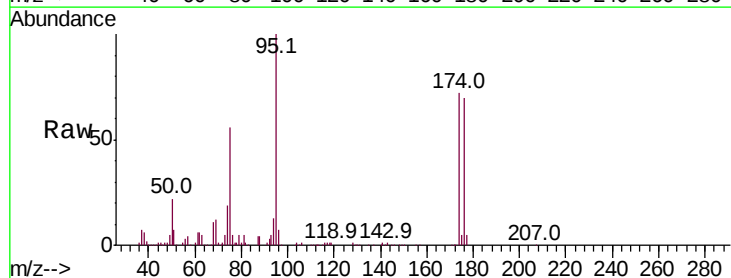
Instrument :  
MSVOA\_N  
ClientSampleId :  
40556DL

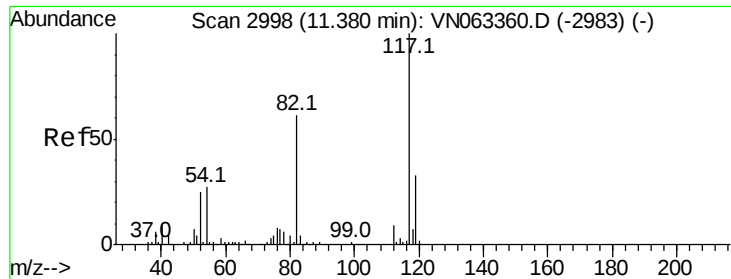
Tot Ion: 43 Resp: 2560  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.7 74.1#



#62  
4-Bromofluorobenzene  
Concen: 54.451 ug/l  
RT: 12.38 min Scan# 3308  
Delta R.T. -0.00 min  
Lab File: VN063481.D  
Acq: 21 Sep 2020 13:22

Tgt Ion: 95 Resp: 232352  
Ion Ratio Lower Upper  
95 100  
174 72.6 0.0 140.8  
176 70.0 0.0 137.6

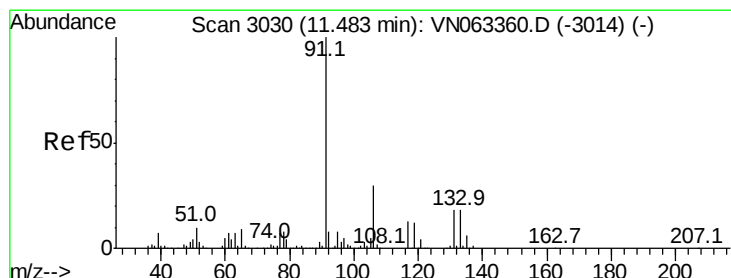
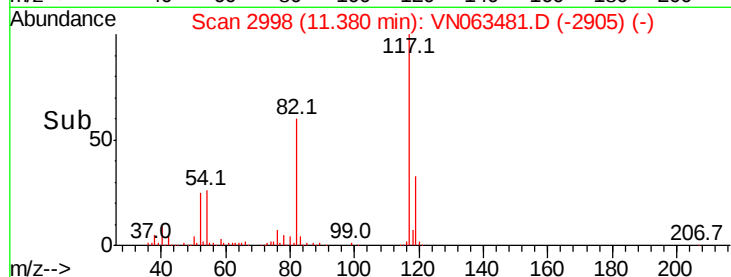
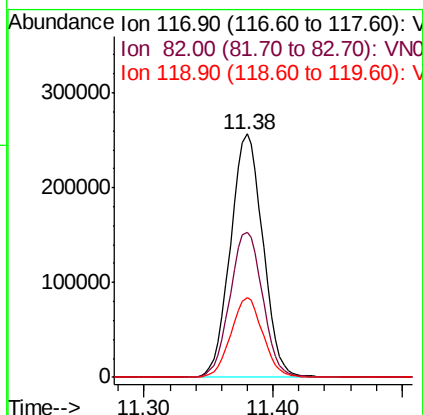
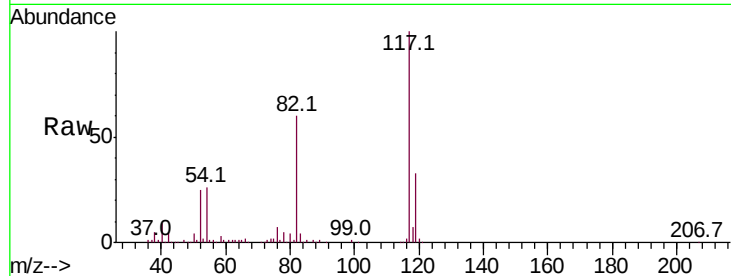




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. -0.00 min  
Lab File: VN063481.D  
Acq: 21 Sep 2020 13:22

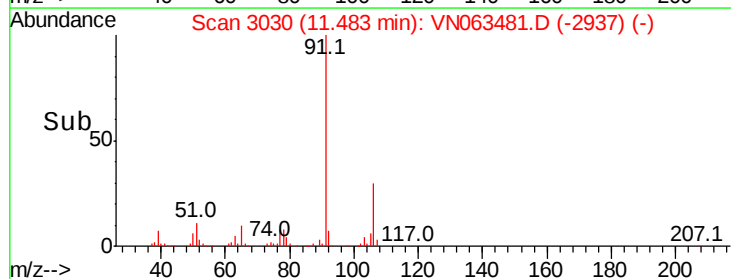
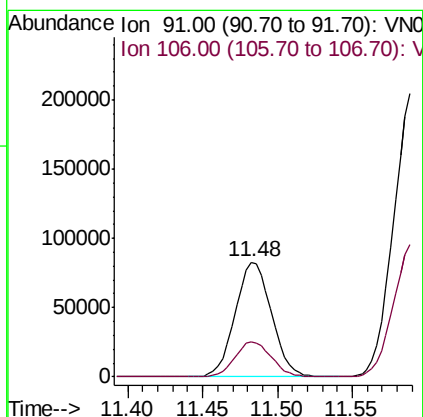
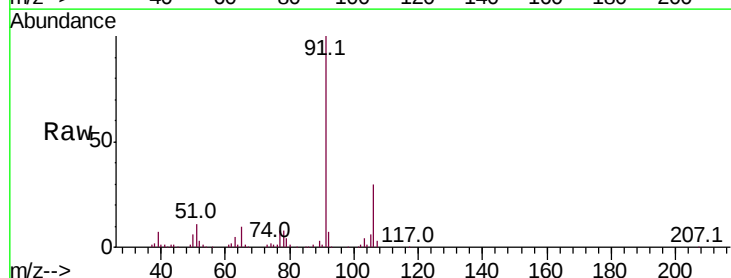
Instrument :  
MSVOA\_N  
ClientSampleID :  
40556DL

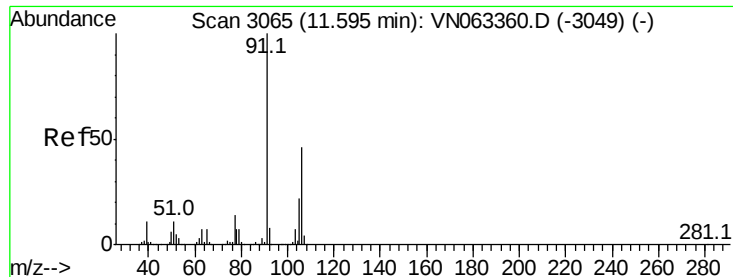
Tot Ion:117 Resp: 449013  
Ion Ratio Lower Upper  
117 100  
82 59.8 49.2 73.8  
119 32.7 26.2 39.4



#67  
Ethyl Benzene  
Concen: 7.801 ug/l  
RT: 11.48 min Scan# 3030  
Delta R.T. -0.00 min  
Lab File: VN063481.D  
Acq: 21 Sep 2020 13:22

Tgt Ion: 91 Resp: 140019  
Ion Ratio Lower Upper  
91 100  
106 30.4 23.8 35.6





#68

m/p-Xylenes

Concen: 28.359 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. -0.00 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

Instrument :

MSVOA\_N

ClientSampleId :

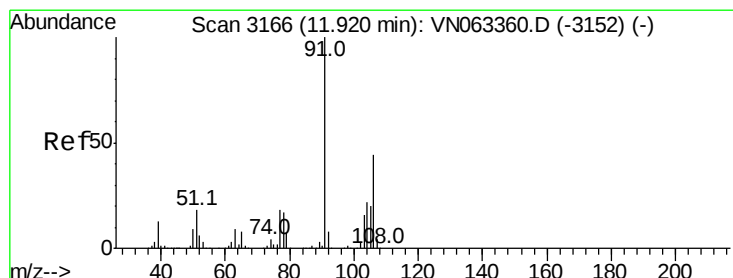
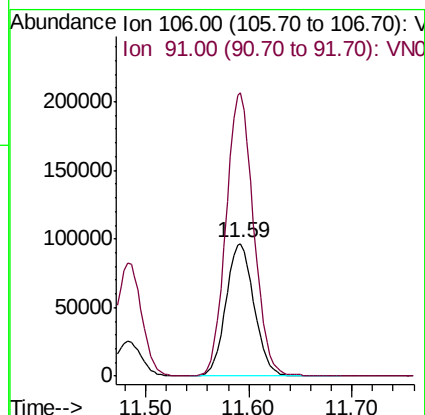
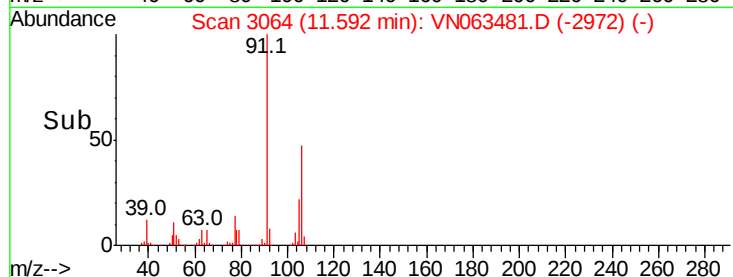
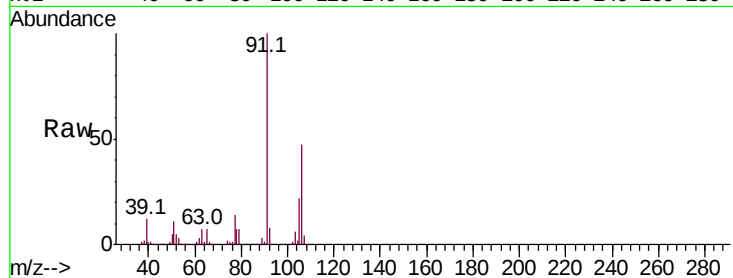
40556DL

Tot Ion:106 Resp: 183527

Ion Ratio Lower Upper

106 100

91 208.4 171.2 256.8



#69

o-Xylene

Concen: 18.323 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. -0.00 min

Lab File: VN063481.D

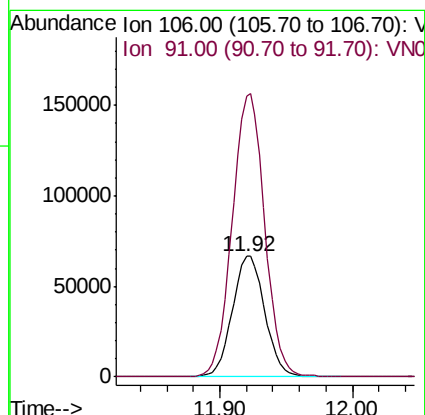
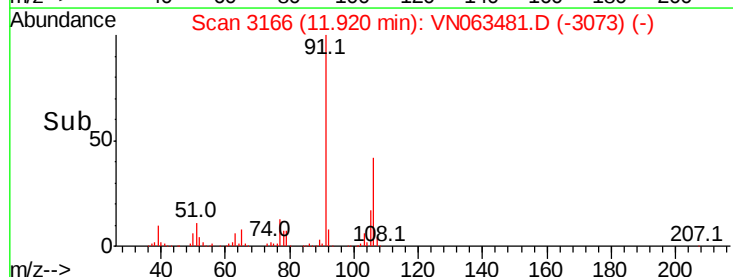
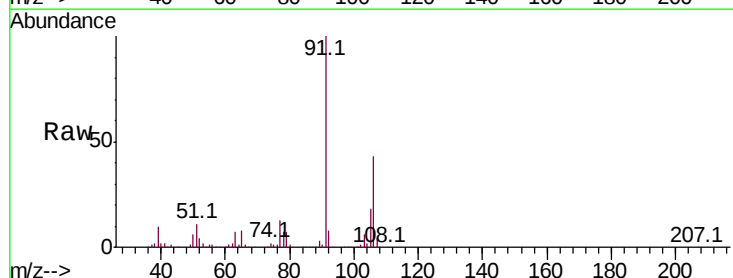
Acq: 21 Sep 2020 13:22

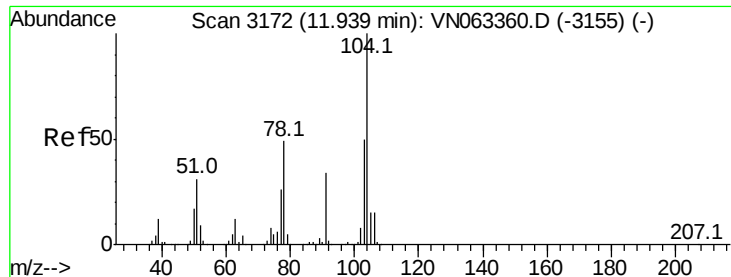
Tgt Ion:106 Resp: 112957

Ion Ratio Lower Upper

106 100

91 234.6 113.6 340.8

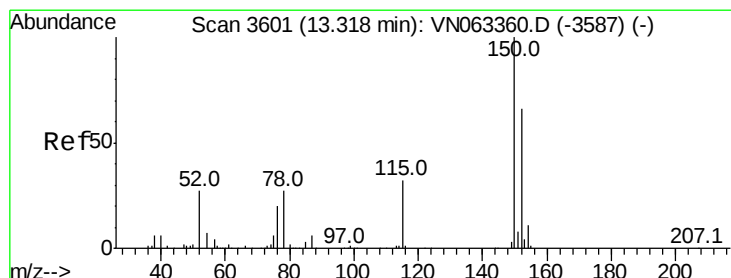
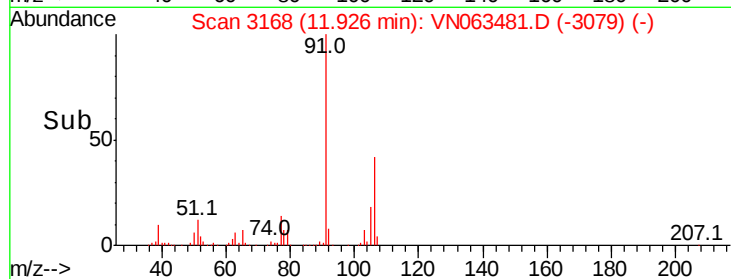
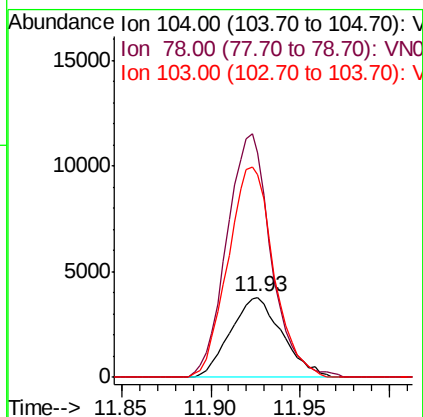
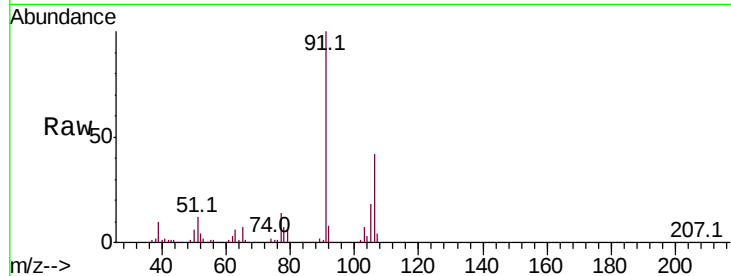




#70  
Stvrene  
Concen: 0.740 ug/l  
RT: 11.93 min Scan# 3168  
Delta R.T. -0.01 min  
Lab File: VN063481.D  
Acq: 21 Sep 2020 13:22

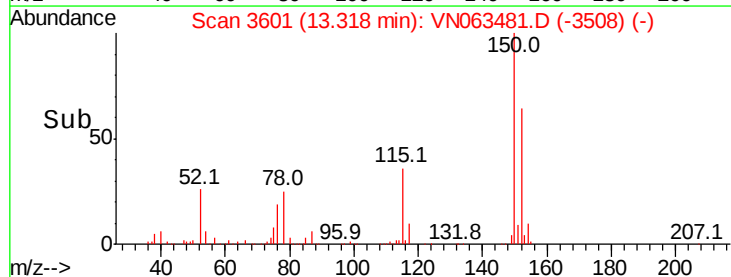
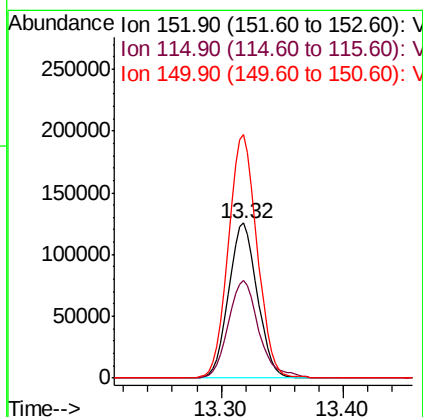
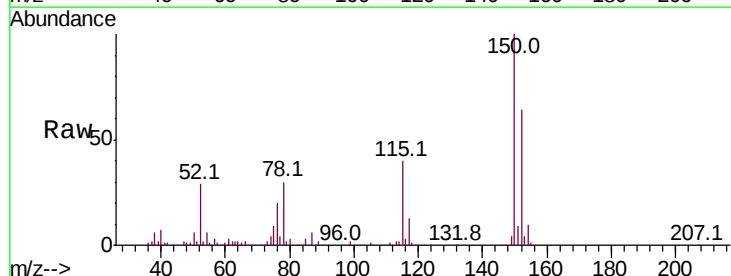
Instrument :  
MSVOA\_N  
ClientSampleId :  
40556DL

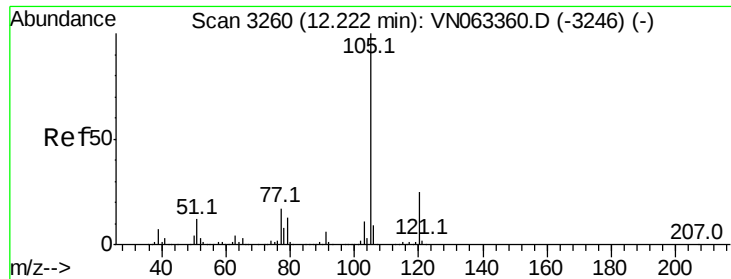
Tot Ion:104 Resp: 7648  
Ion Ratio Lower Upper  
104 100  
78 260.8 44.4 66.6#  
103 232.5 43.7 65.5#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3601  
Delta R.T. -0.00 min  
Lab File: VN063481.D  
Acq: 21 Sep 2020 13:22

Tgt Ion:152 Resp: 206781  
Ion Ratio Lower Upper  
152 100  
115 66.8 32.2 96.6  
150 157.3 0.0 343.4





#73

Isopropylbenzene

Concen: 1.265 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

Instrument :

MSVOA\_N

ClientSampleId :

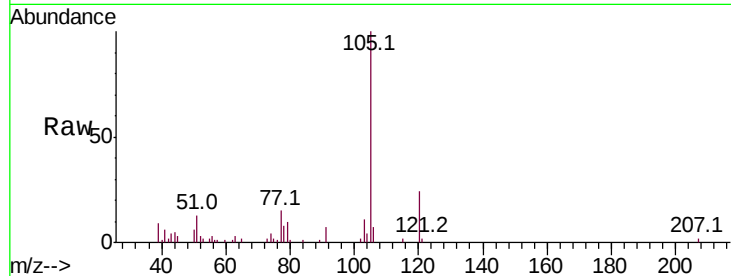
40556DL

Tot Ion:105 Resp: 20963

Ion Ratio Lower Upper

105 100

120 23.6 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

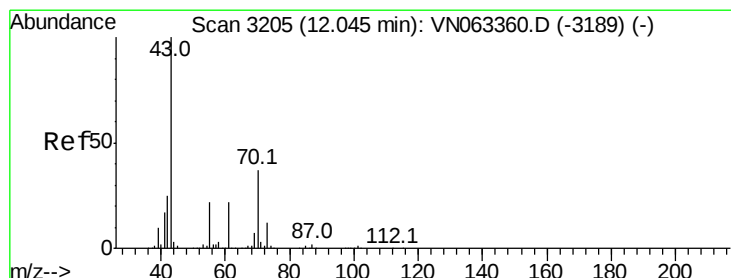
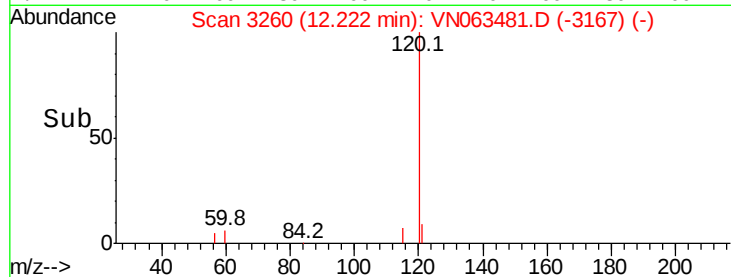
15000

10000

5000

0

Time--> 12.15 12.20 12.25



#74

N-ethyl acetate

Concen: 0.507 ug/l

RT: 12.00 min Scan# 3192

Delta R.T. -0.04 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

Tgt Ion: 43 Resp: 3973

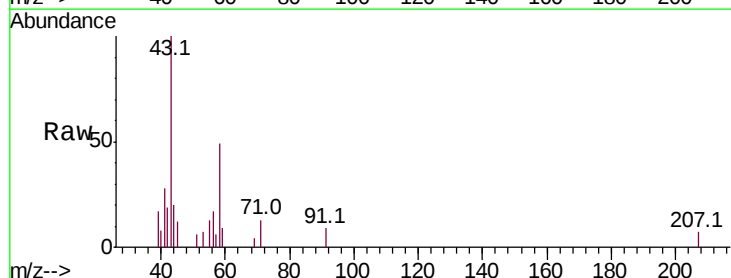
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 0.0 17.7 26.5#

61 0.0 17.4 26.2#



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

5000

4000

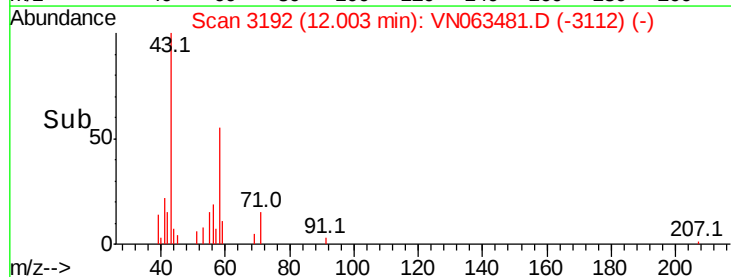
3000

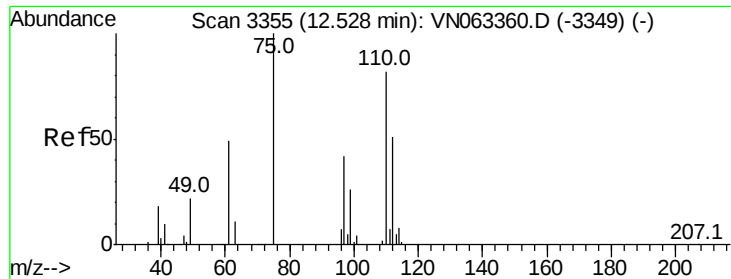
2000

1000

0

Time--> 11.95 12.00 12.05

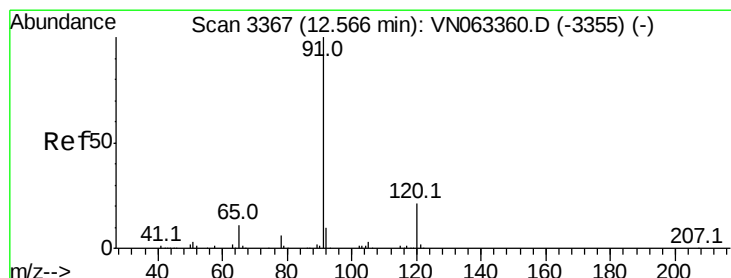
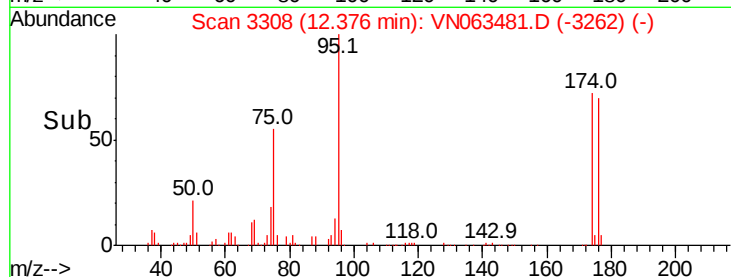
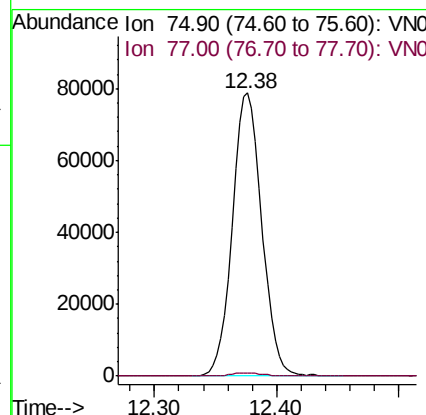
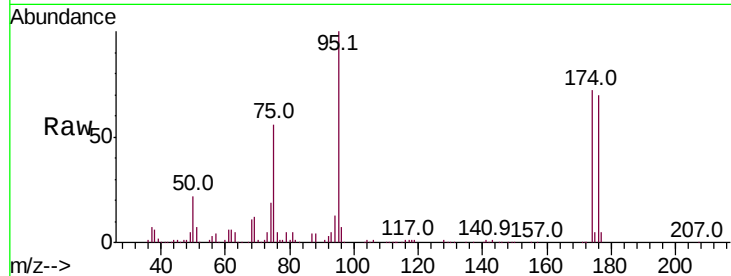




#76  
 1,2,3-Trichloropropane  
 Concen: 25.942 ug/l  
 RT: 12.38 min Scan# 3308  
 Delta R.T. -0.15 min  
 Lab File: VN063481.D  
 Acq: 21 Sep 2020 13:22

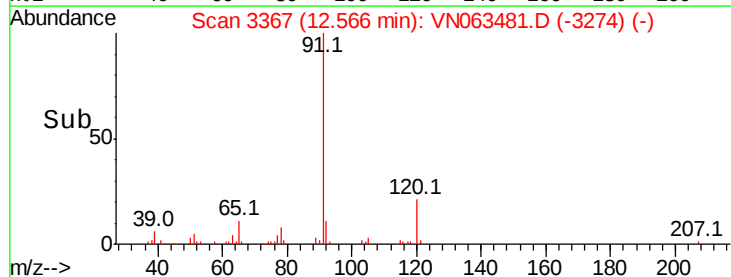
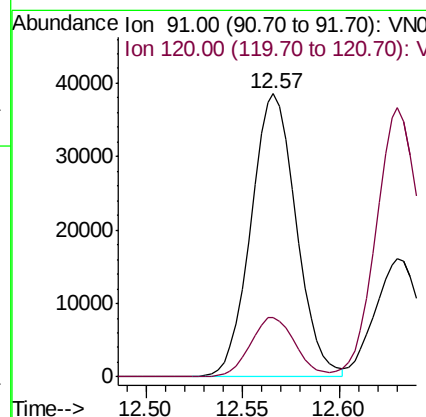
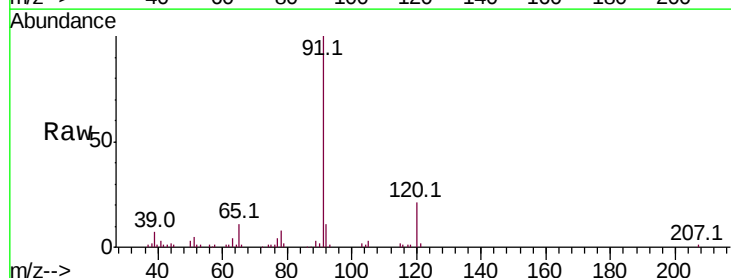
Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 40556DL

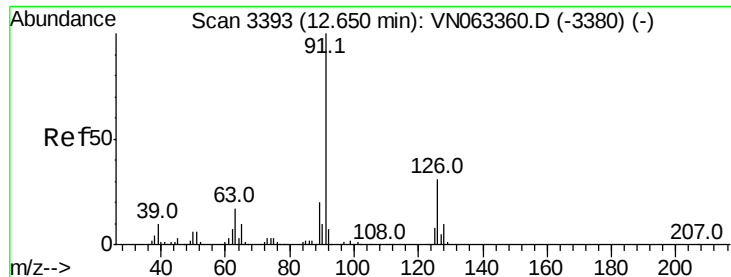
Tot Ion: 75 Resp: 132776  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 0.0 0.0#



#78  
 n-propylbenzene  
 Concen: 3.247 ug/l  
 RT: 12.57 min Scan# 3367  
 Delta R.T. -0.00 min  
 Lab File: VN063481.D  
 Acq: 21 Sep 2020 13:22

Tgt Ion: 91 Resp: 62672  
 Ion Ratio Lower Upper  
 91 100  
 120 20.9 10.8 32.3





#79

2-Chlorotoluene

Concen: 2.083 ug/l

RT: 12.63 min Scan# 3387

Delta R.T. -0.02 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

Instrument :

MSVOA\_N

ClientSampleId :

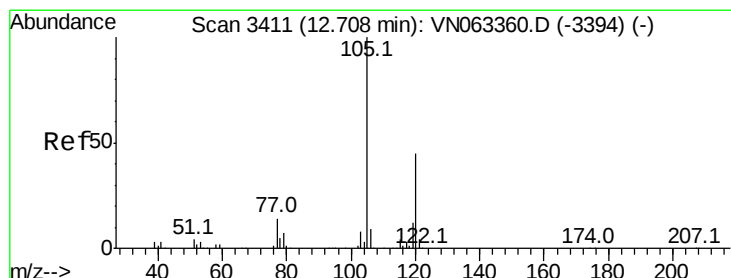
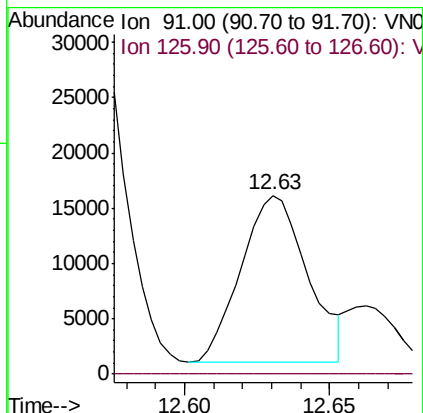
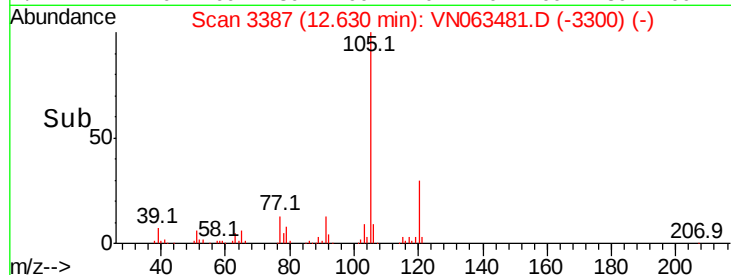
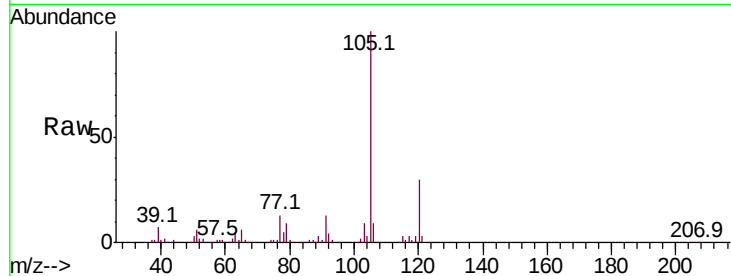
40556DL

Tot Ion: 91 Resp: 24104

Ion Ratio Lower Upper

91 100

126 0.0 15.8 47.3#



#80

1,3,5-Trimethylbenzene

Concen: 5.644 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063481.D

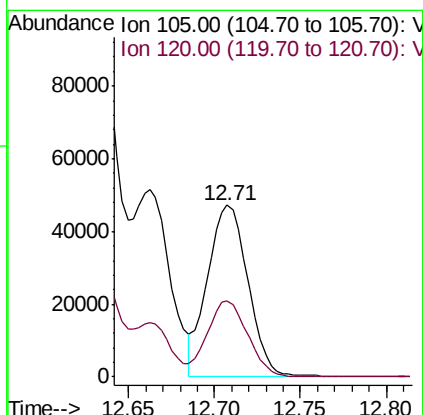
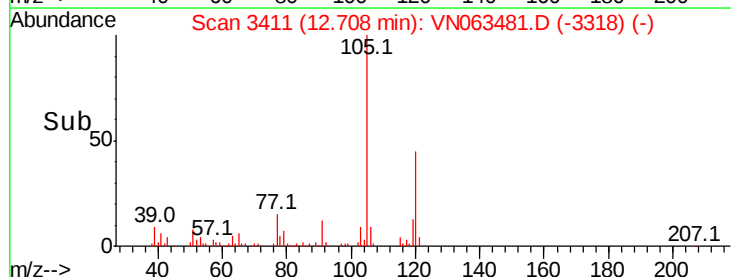
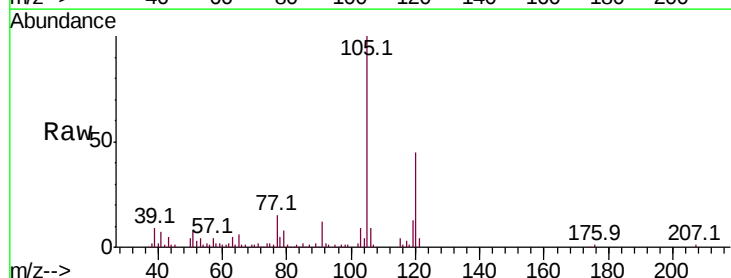
Acq: 21 Sep 2020 13:22

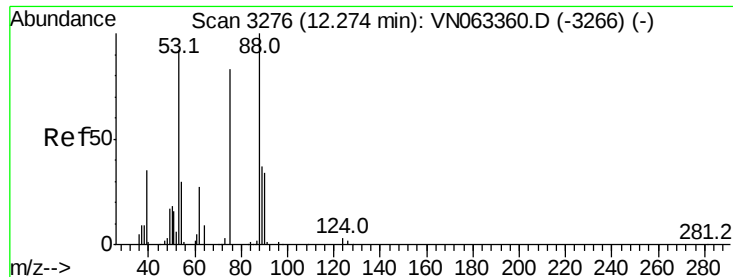
Tgt Ion:105 Resp: 77982

Ion Ratio Lower Upper

105 100

120 44.9 22.9 68.8





#81

trans-1,4-Dichloro-2-butene

Concen: 71.124 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

Instrument :

MSVOA\_N

ClientSampleID :

40556DL

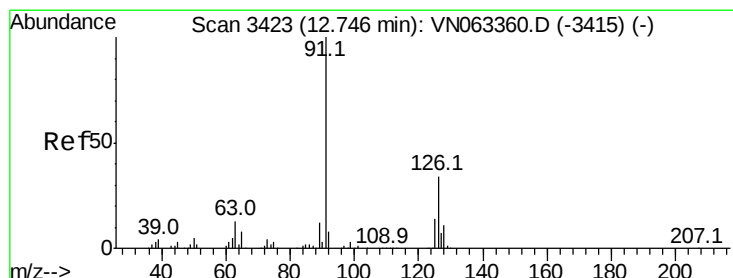
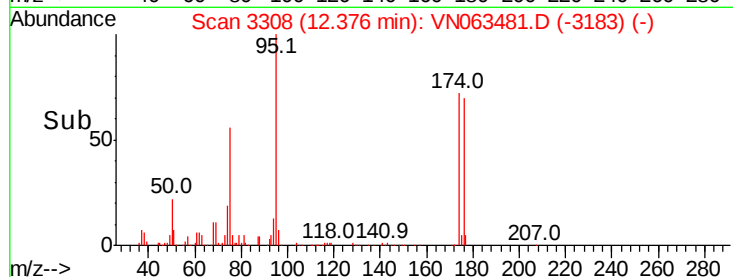
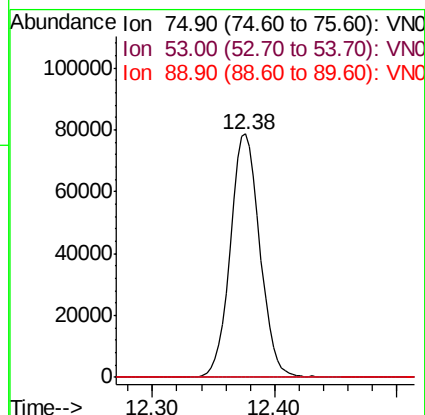
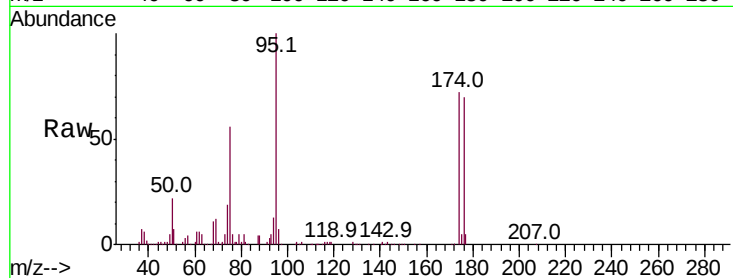
Tot Ion: 75 Resp: 132776

Ion Ratio Lower Upper

75 100

53 0.1 85.7 128.5#

89 0.0 38.0 57.0#



#82

4-Chlorotoluene

Concen: 0.652 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.04 min

Lab File: VN063481.D

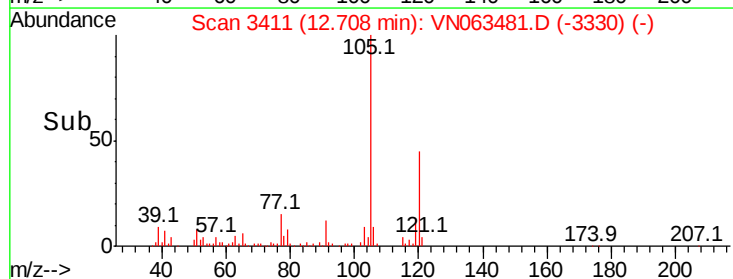
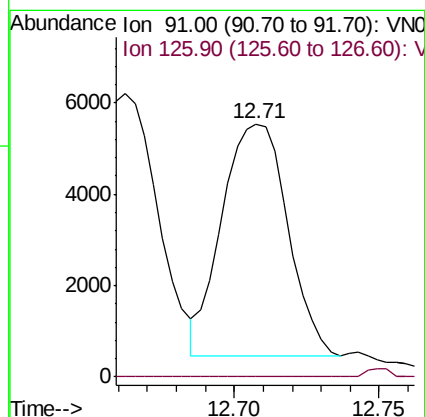
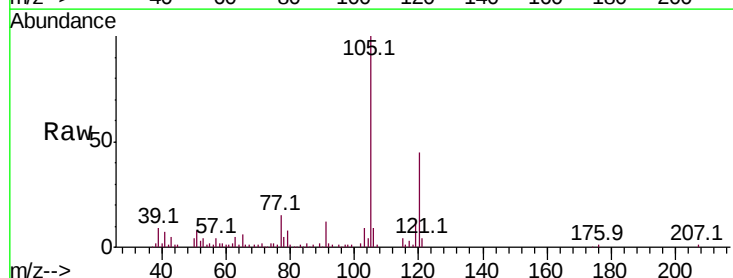
Acq: 21 Sep 2020 13:22

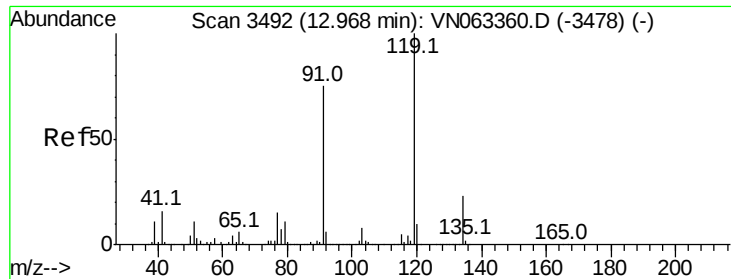
Tgt Ion: 91 Resp: 7970

Ion Ratio Lower Upper

91 100

126 0.0 15.5 46.5#





#83

tert-Butylbenzene

Concen: 3.832 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. 0.04 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

Instrument :

MSVOA\_N

ClientSampleID :

40556DL

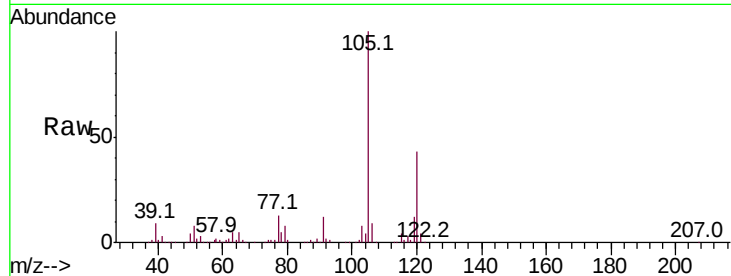
Tot Ion:119 Resp: 43699

Ion Ratio Lower Upper

119 100

91 96.5 36.3 108.9

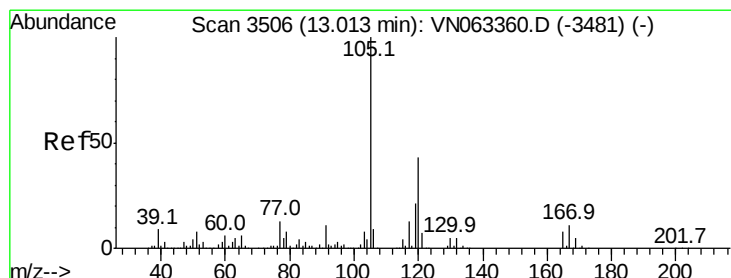
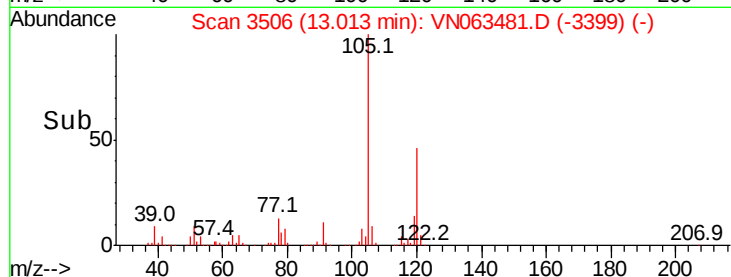
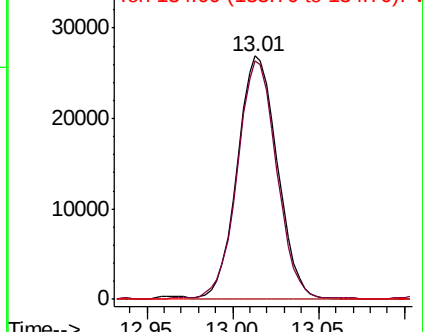
134 0.0 12.3 36.8#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 26.273 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN063481.D

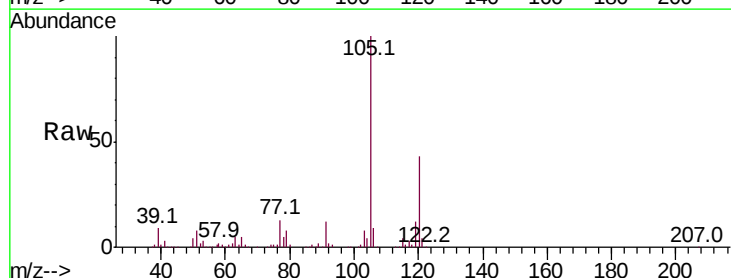
Acq: 21 Sep 2020 13:22

Tgt Ion:105 Resp: 366688

Ion Ratio Lower Upper

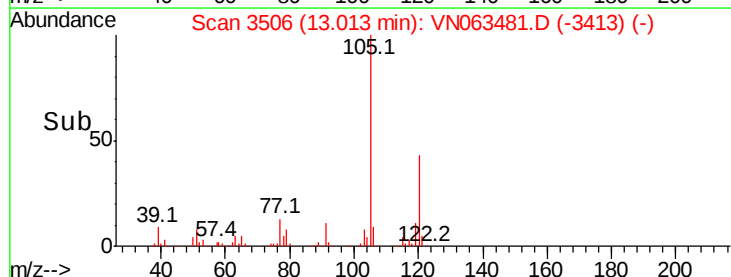
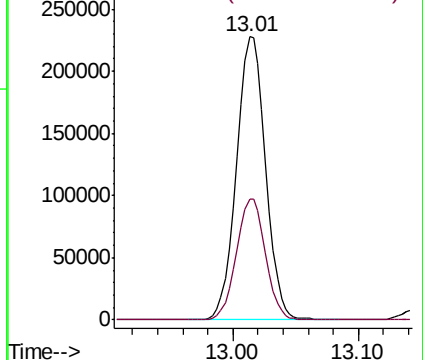
105 100

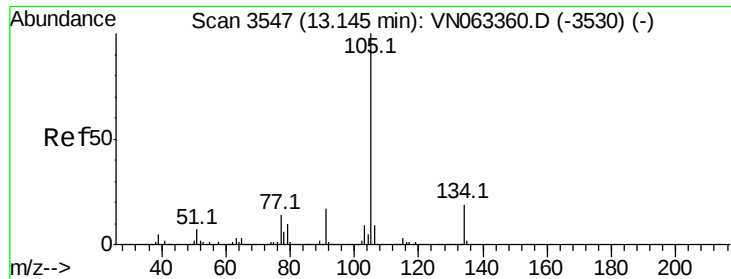
120 42.7 21.3 63.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

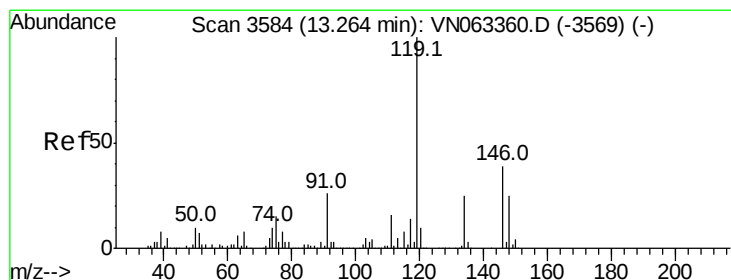
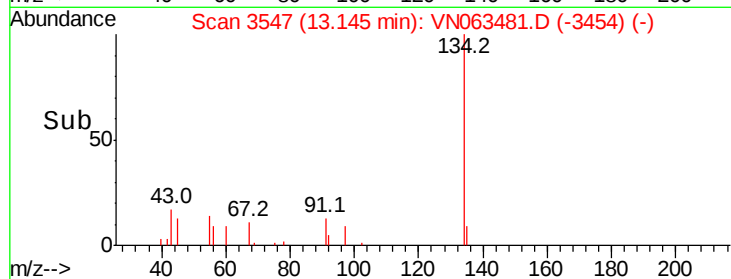
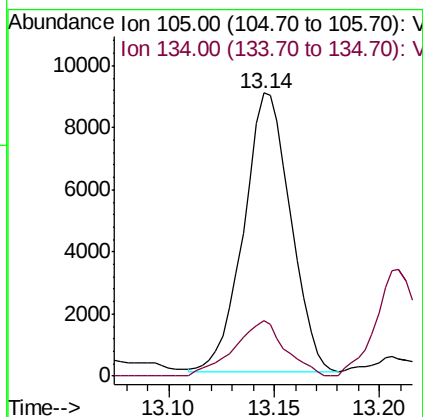
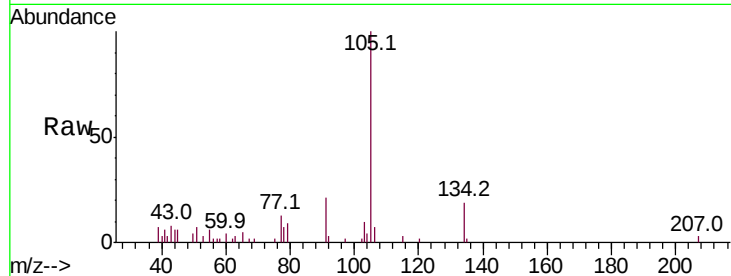




#85  
 sec-Butylbenzene  
 Concen: 0.907 ug/l  
 RT: 13.14 min Scan# 3547  
 Delta R.T. -0.00 min  
 Lab File: VN063481.D  
 Acq: 21 Sep 2020 13:22

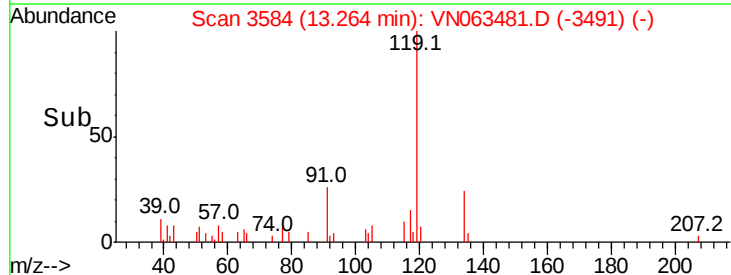
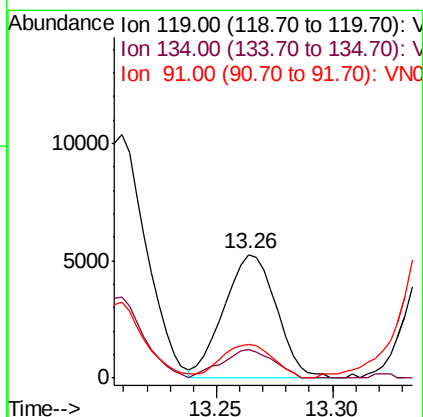
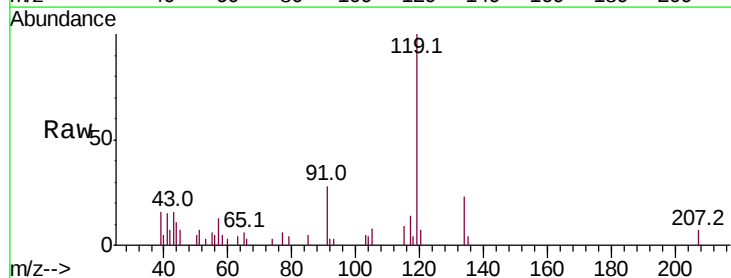
Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 40556DL

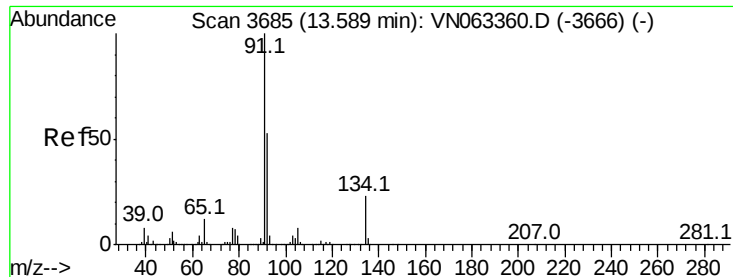
Tot Ion:105 Resp: 13851  
 Ion Ratio Lower Upper  
 105 100  
 134 21.7 9.3 27.7



#86  
 p-Isopropyltoluene  
 Concen: 0.616 ug/l  
 RT: 13.26 min Scan# 3584  
 Delta R.T. -0.00 min  
 Lab File: VN063481.D  
 Acq: 21 Sep 2020 13:22

Tgt Ion:119 Resp: 8300  
 Ion Ratio Lower Upper  
 119 100  
 134 22.6 12.5 37.5  
 91 26.7 13.4 40.1





#89

n-Butylbenzene

Concen: 1.009 ug/l

RT: 13.59 min Scan# 3684

Delta R.T. -0.00 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

Instrument :

MSVOA\_N

ClientSampleID :

40556DL

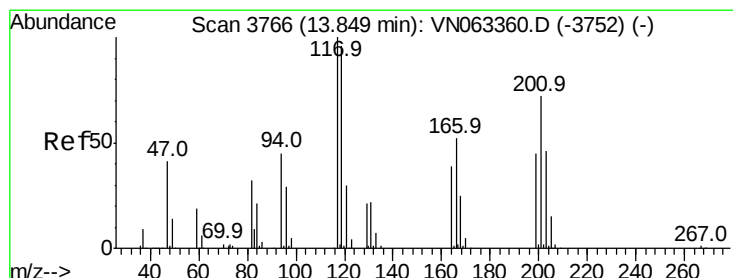
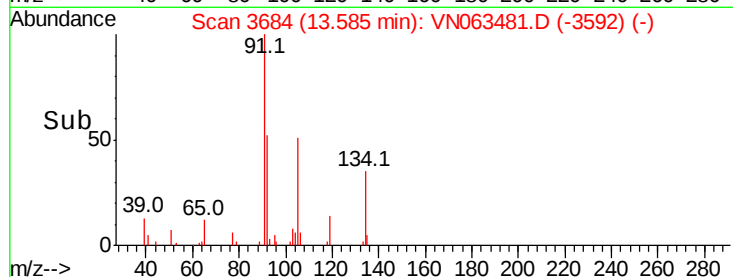
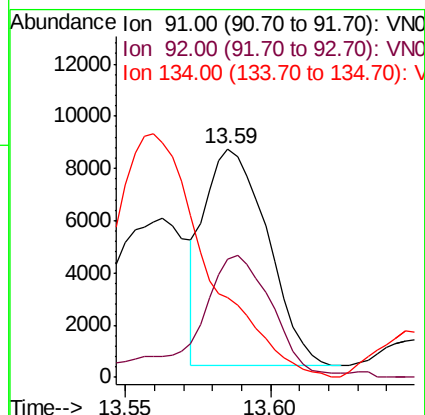
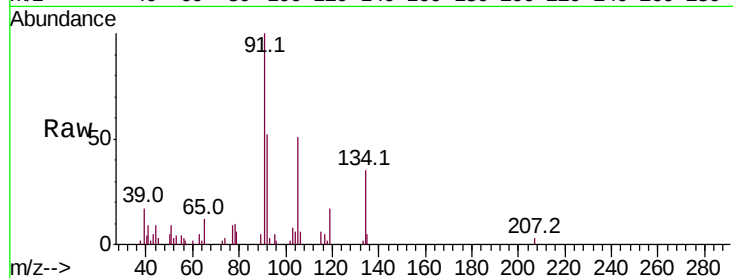
Tot Ion: 91 Resp: 12522

Ion Ratio Lower Upper

91 100

92 62.2 26.0 78.0

134 0.0 11.7 35.0#



#90

Hexachloroethane

Concen: 1.898 ug/l

RT: 13.87 min Scan# 3771

Delta R.T. 0.02 min

Lab File: VN063481.D

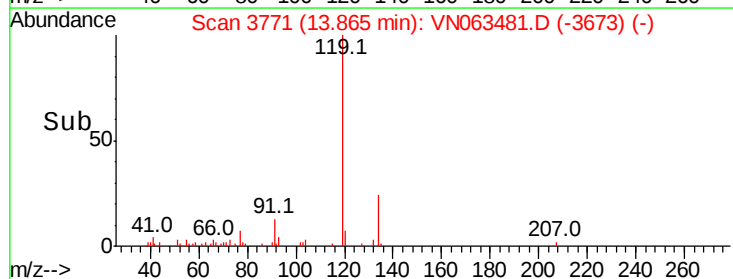
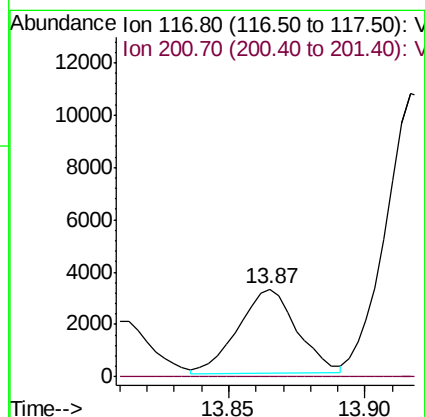
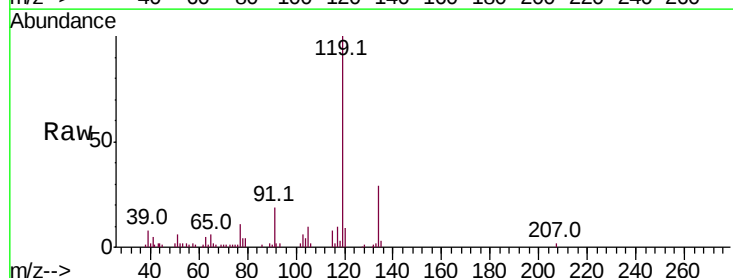
Acq: 21 Sep 2020 13:22

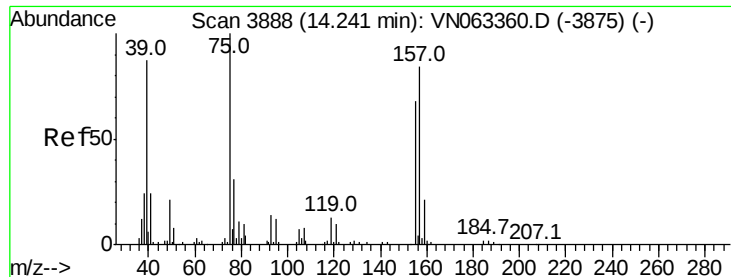
Tgt Ion: 117 Resp: 4865

Ion Ratio Lower Upper

117 100

201 0.0 35.5 106.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.539 ug/l

RT: 14.22 min Scan# 3881

Delta R.T. -0.02 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

Instrument :

MSVOA\_N

ClientSampleId :

40556DL

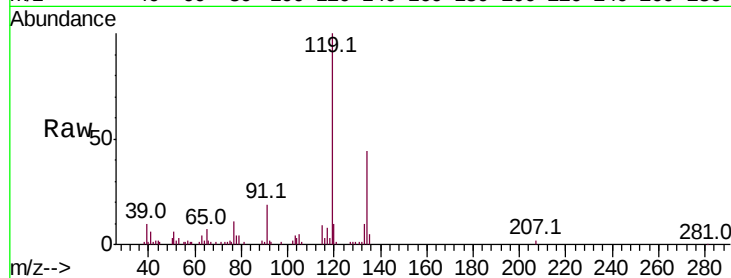
Tot Ion: 75 Resp: 659

Ion Ratio Lower Upper

75 100

155 0.0 34.6 103.9#

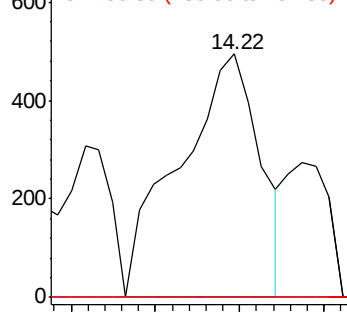
157 0.0 43.7 131.1#



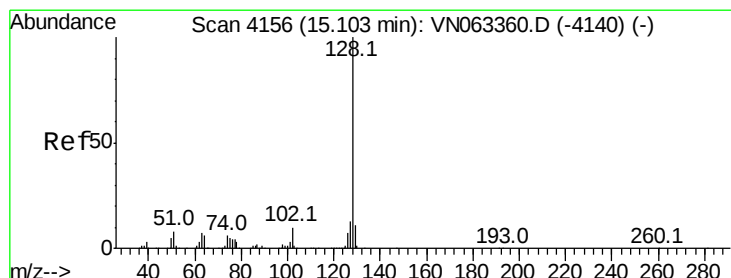
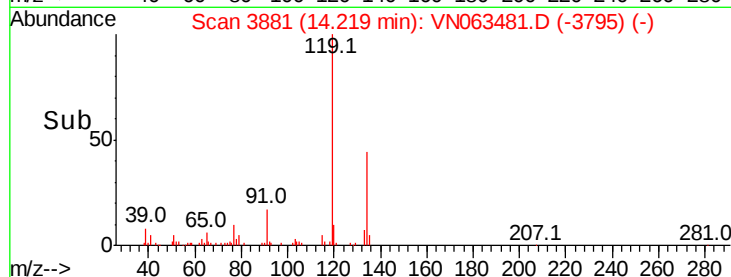
Abundance Ion 74.90 (74.60 to 75.60): VN063360.D (-3875) (-)

Ion 154.80 (154.50 to 155.50): VN063360.D (-3875) (-)

Ion 156.80 (156.50 to 157.50): VN063360.D (-3875) (-)



Time-->



#95

Naphthalene

Concen: 8.309 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

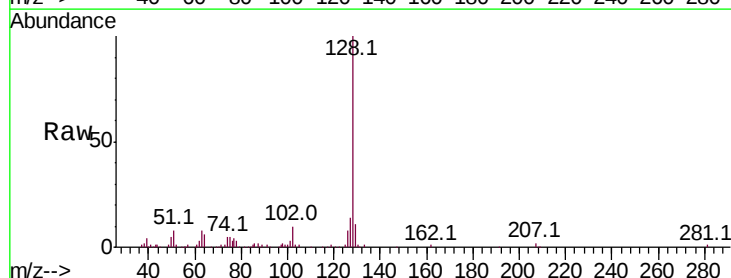
Tgt Ion: 128 Resp: 109769

Ion Ratio Lower Upper

128 100

127 13.7 10.6 15.8

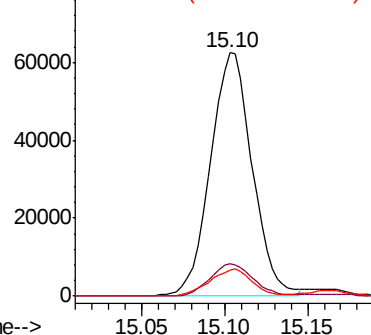
129 11.2 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): VN063360.D (-4140) (-)

Ion 127.00 (126.70 to 127.70): VN063360.D (-4140) (-)

Ion 129.00 (128.70 to 129.70): VN063360.D (-4140) (-)



Time-->

