

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033120\  
 Data File : VN060791.D  
 Acq On : 31 Mar 2020 17:13  
 Operator : JC/MD  
 Sample : L2070-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Apr 01 08:24:19 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 18 08:49:09 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 196613   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.56  | 114  | 329329   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 308137   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 144627   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 127498   | 47.24 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 94.48%  |          |
| 35) Dibromofluoromethane    | 7.56  | 113  | 97509    | 48.97 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 97.94%  |          |
| 50) Toluene-d8              | 10.08 | 98   | 407337   | 50.08 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 100.16% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 153225   | 51.40 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 102.80% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 11) Tert butyl alcohol         | 4.72  | 59   | 388      | 0.977  | ug/l # | 72     |
| 16) Acetone                    | 3.78  | 43   | 65991    | 69.024 | ug/l   | 99     |
| 18) Methyl Acetate             | 4.28  | 43   | 732      | 0.272  | ug/l # | 54     |
| 20) Methylene Chloride         | 4.52  | 84   | 6942     | 2.952  | ug/l   | 96     |
| 25) 2-Butanone                 | 6.80  | 43   | 23901    | 15.449 | ug/l   | 94     |
| 31) Cyclohexane                | 7.64  | 56   | 4207     | 0.968  | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.64  | 75   | 15766    | 4.944  | ug/l # | 49     |
| 37) Ethyl Acetate              | 6.80  | 43   | 23901    | 6.936  | ug/l # | 70     |
| 38) Carbon Tetrachloride       | 7.64  | 117  | 18986    | 6.643  | ug/l # | 16     |
| 41) Methacrylonitrile          | 7.15  | 41   | 295      | 0.201  | ug/l # | 100    |
| 43) Isopropyl Acetate          | 8.14  | 43   | 18603    | 3.274  | ug/l # | 90     |
| 48) Methyl methacrylate        | 9.16  | 41   | 3484     | 1.377  | ug/l # | 28     |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 72487    | 22.416 | ug/l   | 98     |
| 52) Toluene                    | 10.14 | 92   | 178703   | 30.738 | ug/l   | 100    |
| 53) t-1,3-Dichloropropene      | 10.14 | 75   | 2030     | 0.554  | ug/l # | 1      |
| 54) cis-1,3-Dichloropropene    | 9.89  | 75   | 16598    | 4.127  | ug/l # | 61     |
| 56) Ethyl methacrylate         | 10.34 | 69   | 5703     | 1.635  | ug/l # | 71     |
| 57) 1,3-Dichloropropane        | 10.75 | 76   | 1013     | 0.261  | ug/l # | 42     |
| 59) 2-Hexanone                 | 10.75 | 43   | 17350    | 7.448  | ug/l # | 61     |
| 67) Ethyl Benzene              | 11.50 | 91   | 7142     | 0.629  | ug/l   | 97     |
| 68) m/p-Xylenes                | 11.61 | 106  | 9020     | 2.137  | ug/l   | 97     |
| 69) o-Xylene                   | 11.94 | 106  | 5813     | 1.443  | ug/l   | 100    |
| 71) Bromoform                  | 12.40 | 173  | 280      | 1.828  | ug/l # | 1      |
| 74) N-ethyl acetate            | 12.02 | 43   | 4808     | 0.959  | ug/l # | 48     |
| 75) 1,1,2,2-Tetrachloroethane  | 12.69 | 83   | 976      | 0.297  | ug/l # | 25     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 76512    | 24.517 | ug/l # | 100    |
| 78) n-propylbenzene            | 12.59 | 91   | 4978     | 0.388  | ug/l   | 95     |
| 79) 2-Chlorotoluene            | 12.65 | 91   | 2030     | 0.265  | ug/l # | 42     |
| 80) 1,3,5-Trimethylbenzene     | 12.72 | 105  | 6274     | 0.681  | ug/l   | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 76512    | 62.967 | ug/l # | 13     |
| 84) 1,2,4-Trimethylbenzene     | 13.03 | 105  | 24996    | 2.743  | ug/l   | 99     |
| 85) sec-Butylbenzene           | 13.17 | 105  | 2208     | 0.215  | ug/l   | 95     |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 3729     | 0.404  | ug/l # | 74     |
| 89) n-Butylbenzene             | 13.61 | 91   | 1688     | 0.203  | ug/l # | 82     |

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Sample : L2070-04  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Apr 01 08:24:19 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 18 08:49:09 2020  
Response via : Initial Calibration

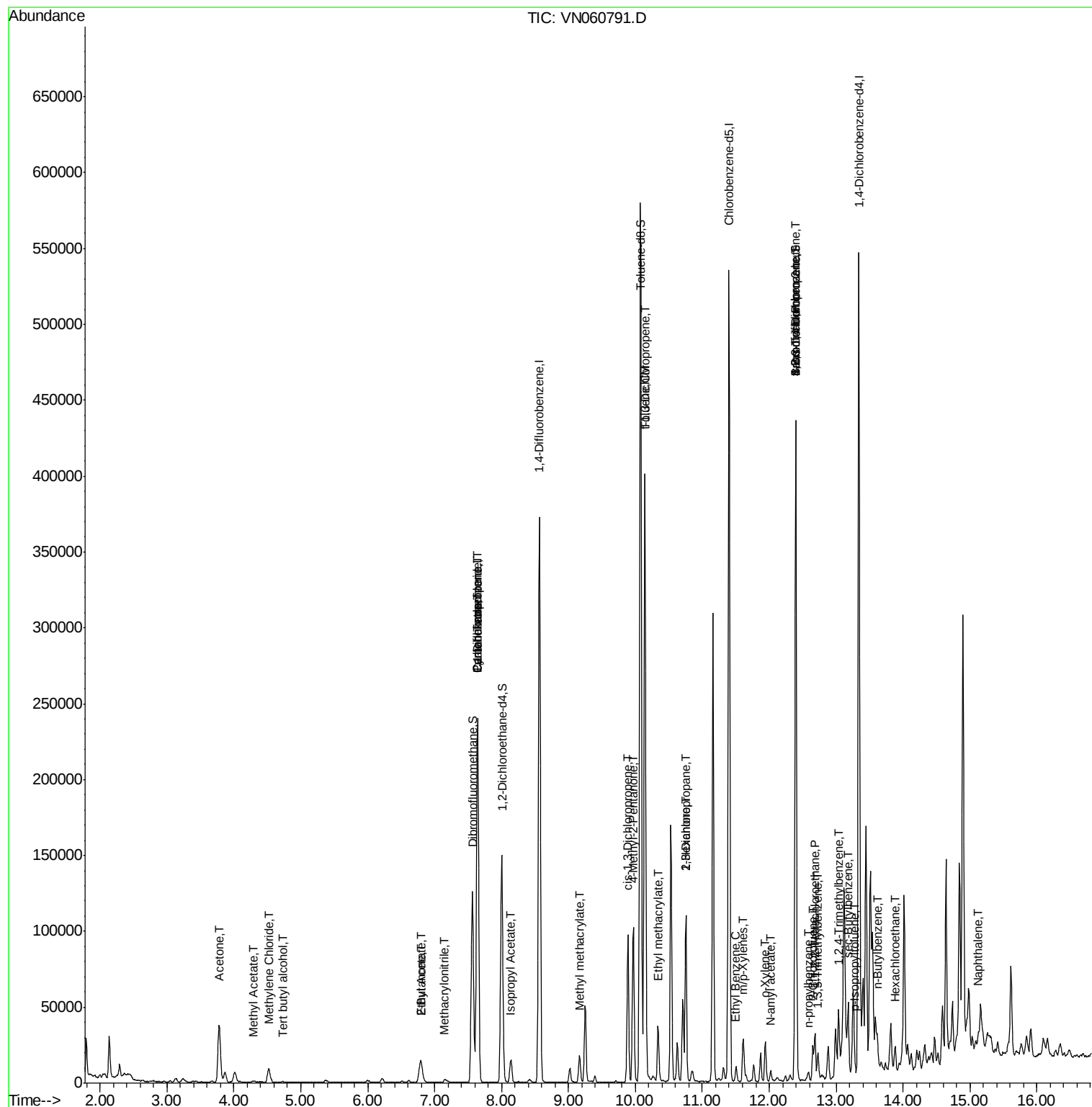
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|--------|----------|
| 90) Hexachloroethane           | 13.89 | 117  | 514      | 0.383     | ug/l # | 8        |
| 92) 1,2-Dibromo-3-Chloropropan | 14.47 | 75   | 135      | Below Cal | #      | 3        |
| 95) Naphthalene                | 15.13 | 128  | 8828     | 1.084     | ug/l   | 96       |

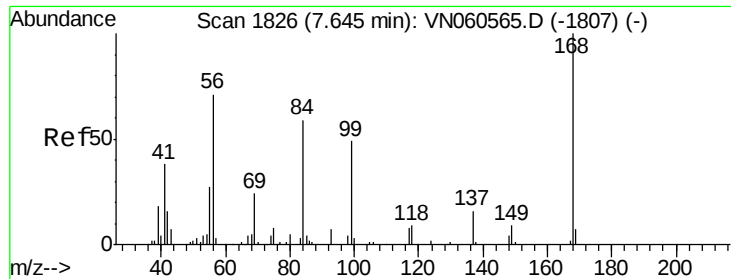
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 18 08:49:09 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060791.D

Acq: 31 Mar 2020 17:13

Instrument :

MSVOA\_N

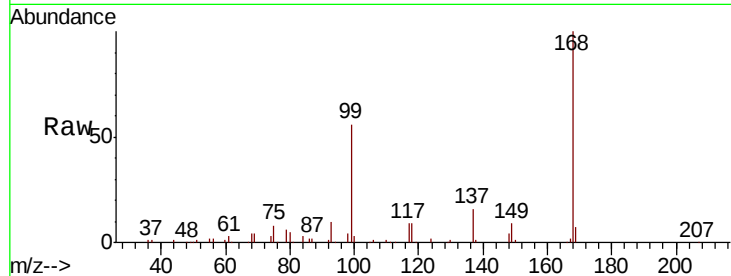
ClientSampled :

Tot Ion:168 Resp: 196613

Ion Ratio Lower Upper

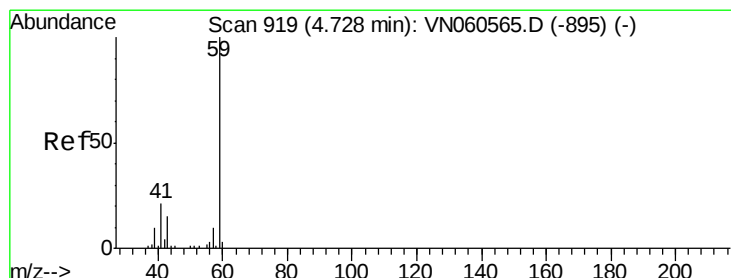
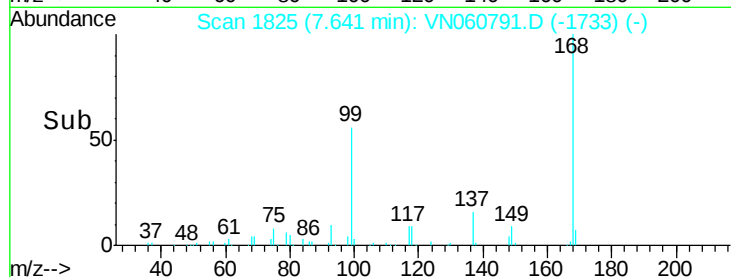
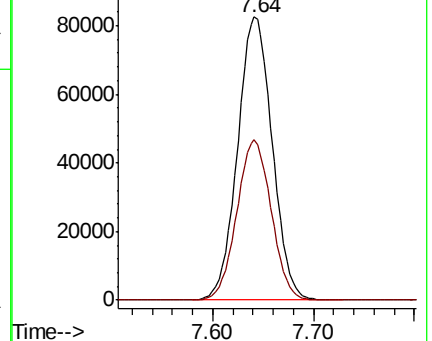
168 100

99 56.5 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 0.977 ug/l

RT: 4.72 min Scan# 916

Delta R.T. -0.01 min

Lab File: VN060791.D

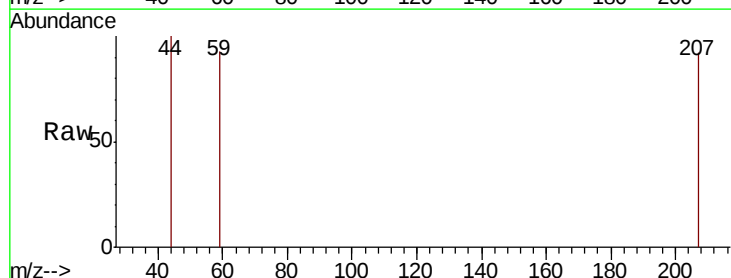
Acq: 31 Mar 2020 17:13

Tgt Ion: 59 Resp: 388

Ion Ratio Lower Upper

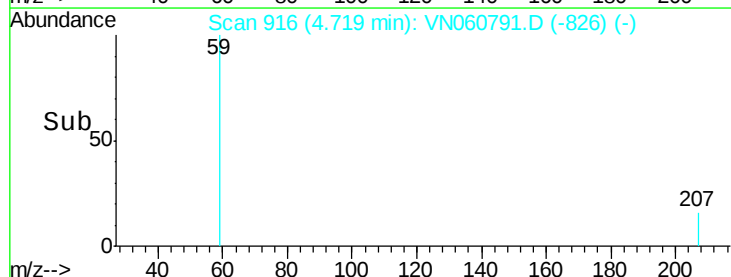
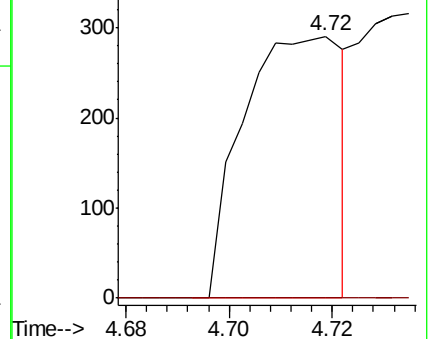
59 100

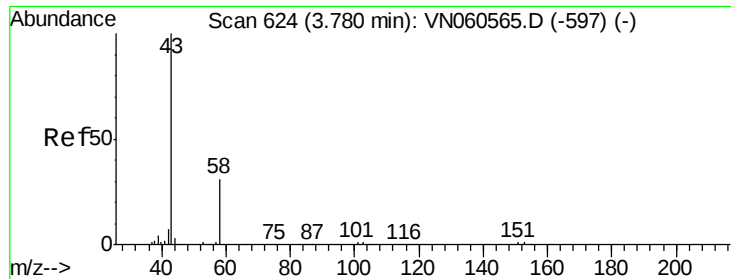
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

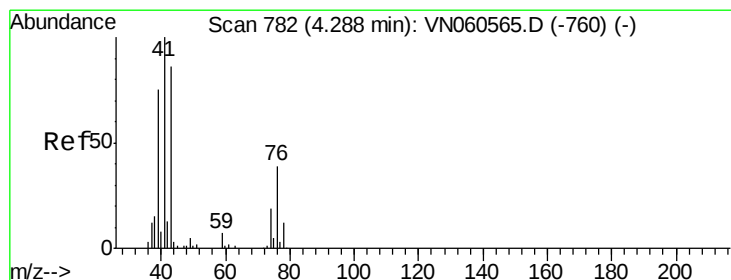
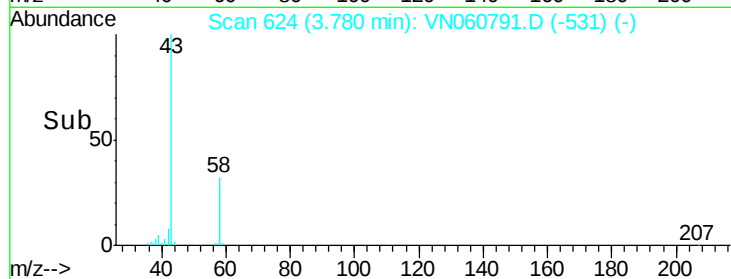
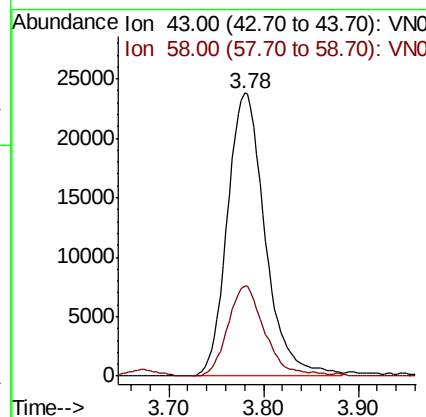
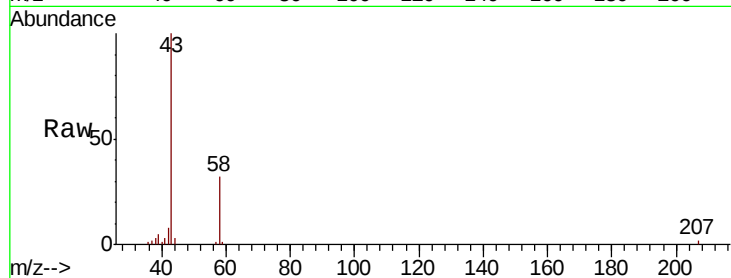




#16  
Acetone  
Concen: 69.024 ug/l  
RT: 3.78 min Scan# 624  
Delta R.T. 0.00 min  
Lab File: VN060791.D  
Acq: 31 Mar 2020 17:13

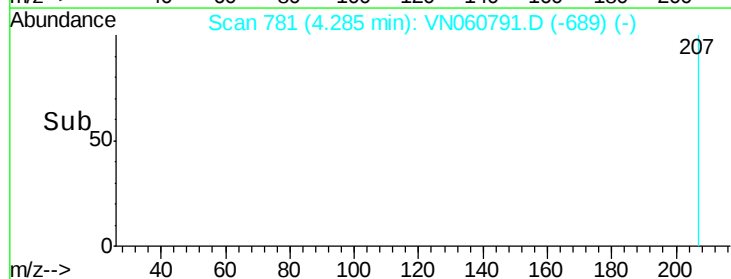
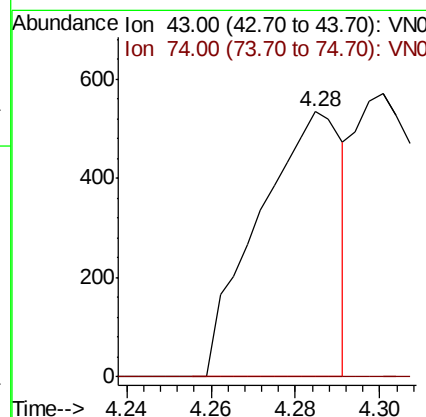
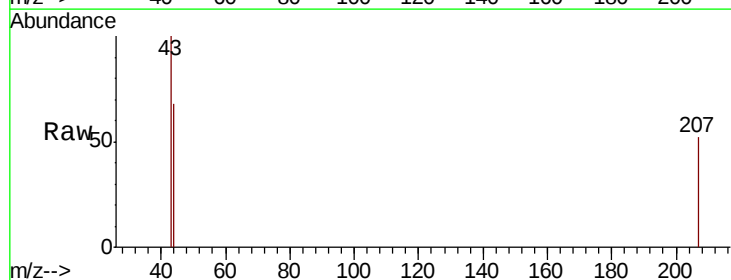
Instrument :  
MSVOA\_N  
ClientSampled :

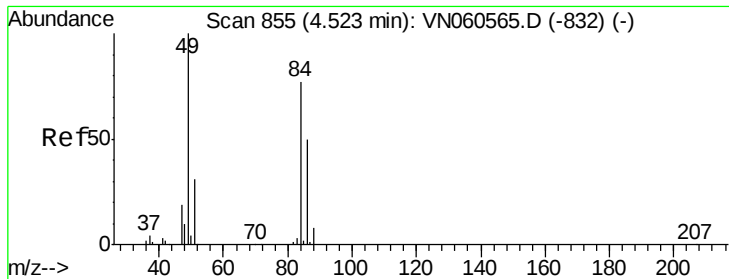
Tot Ion: 43 Resp: 65991  
Ion Ratio Lower Upper  
43 100  
58 31.9 25.1 37.7



#18  
Methyl Acetate  
Concen: 0.272 ug/l  
RT: 4.28 min Scan# 781  
Delta R.T. -0.00 min  
Lab File: VN060791.D  
Acq: 31 Mar 2020 17:13

Tgt Ion: 43 Resp: 732  
Ion Ratio Lower Upper  
43 100  
74 0.0 17.5 26.3#

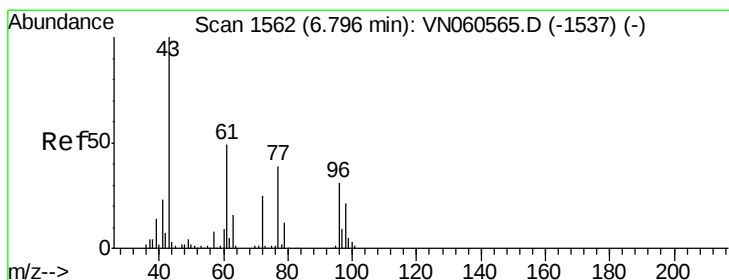
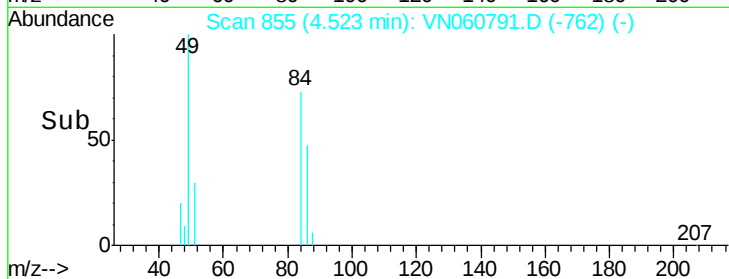
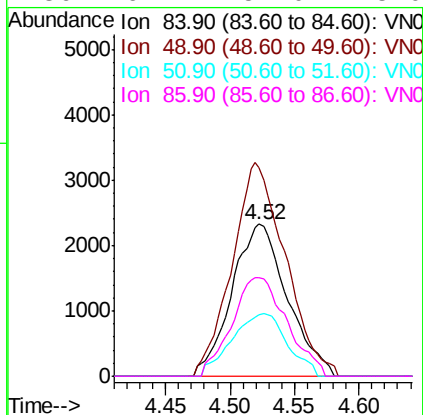
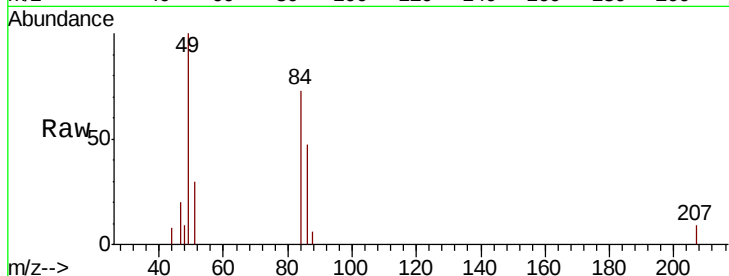




#20  
Methvlene Chloride  
Concen: 2.952 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. 0.00 min  
Lab File: VN060791.D  
Acq: 31 Mar 2020 17:13

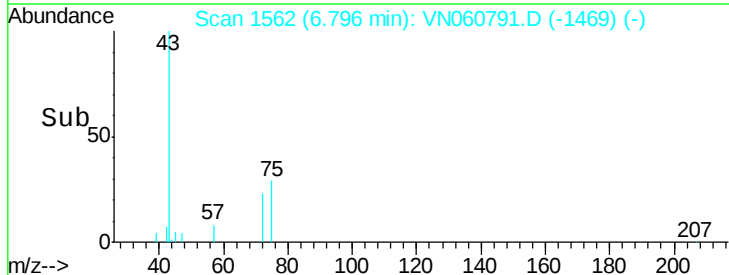
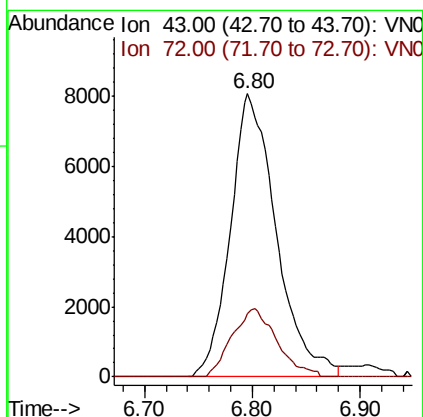
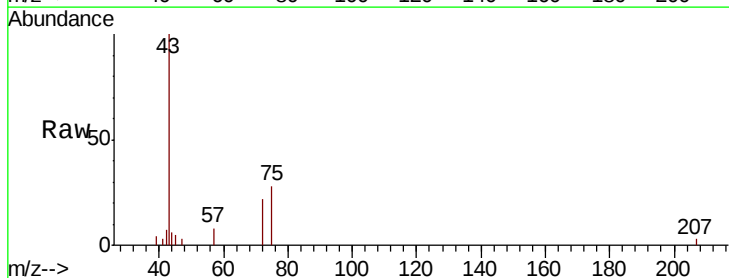
Instrument :  
MSVOA\_N  
ClientSampled :

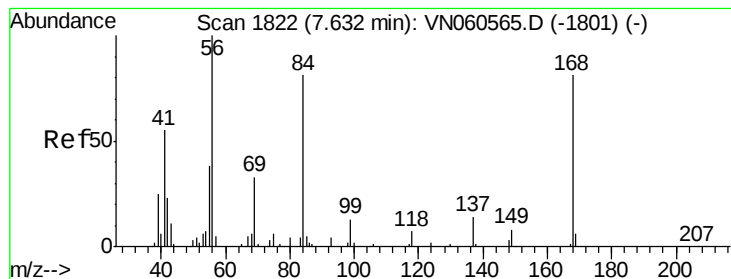
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 6942  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 137.2 | 103.3 | 154.9 |
| 51       | 40.7  | 31.6  | 47.4  |
| 86       | 64.7  | 52.0  | 78.0  |



#25  
2-Butanone  
Concen: 15.449 ug/l  
RT: 6.80 min Scan# 1562  
Delta R.T. 0.00 min  
Lab File: VN060791.D  
Acq: 31 Mar 2020 17:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 23901 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 22.3  | 20.4  | 30.6  |





#31

Cyclohexane

Concen: 0.968 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060791.D

Acq: 31 Mar 2020 17:13

Instrument :  
MSVOA\_N  
ClientSampled :

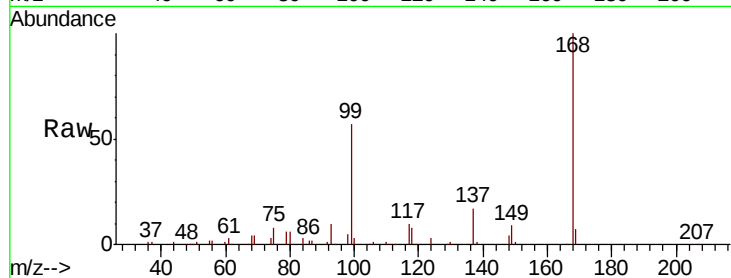
Tot Ion: 56 Resp: 4207

Ion Ratio Lower Upper

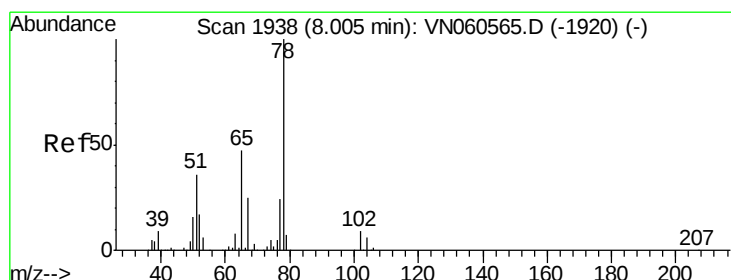
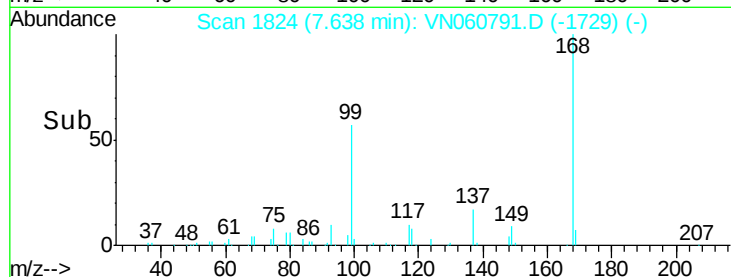
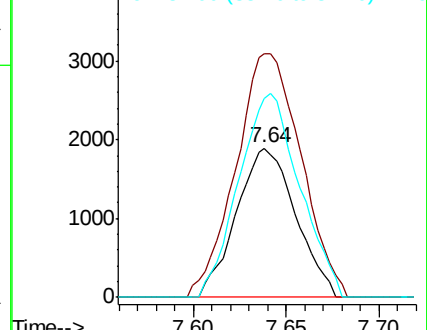
56 100

69 154.8 26.6 40.0#

84 133.4 64.3 96.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 47.238 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060791.D

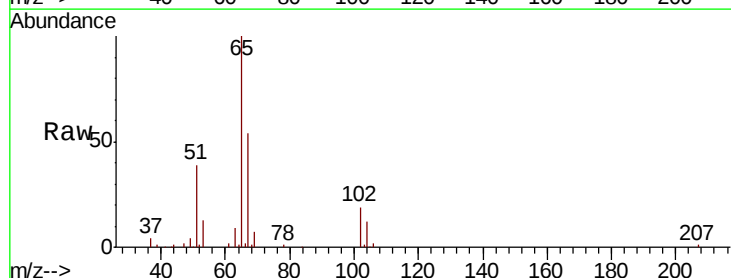
Acq: 31 Mar 2020 17:13

Tgt Ion: 65 Resp: 127498

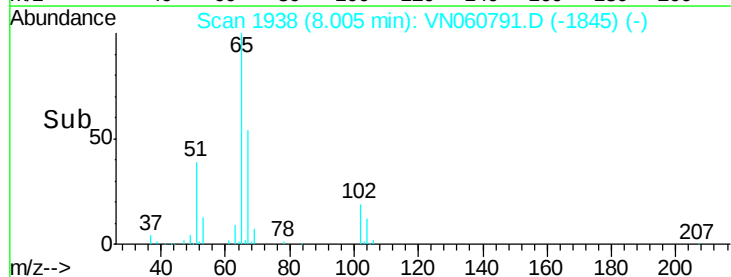
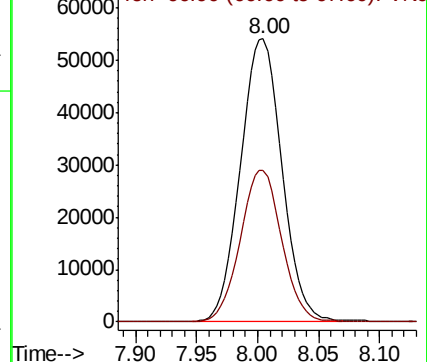
Ion Ratio Lower Upper

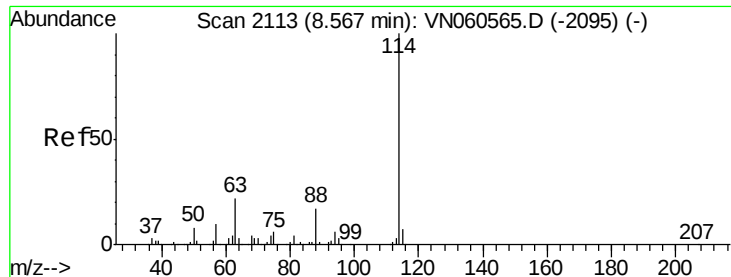
65 100

67 53.4 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0  
Ion 66.90 (66.60 to 67.60): VN0

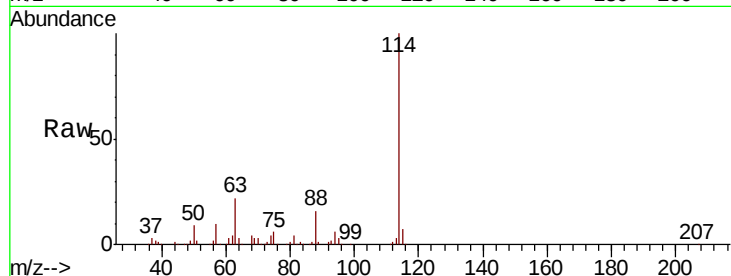




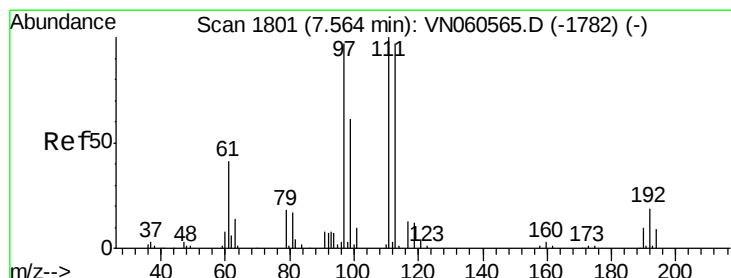
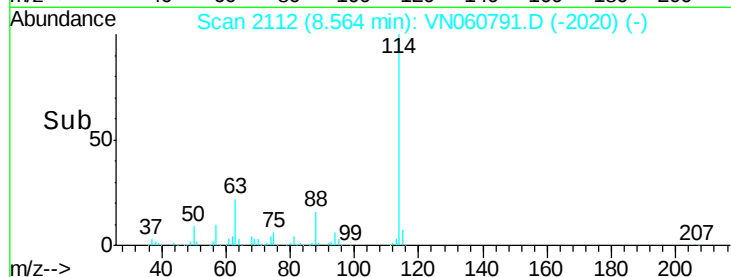
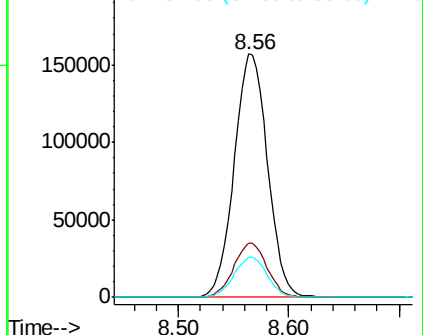
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.56 min Scan# 2112  
 Delta R.T. -0.00 min  
 Lab File: VN060791.D  
 Acq: 31 Mar 2020 17:13

Instrument :  
 MSVOA\_N  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 22.2  | 0.0   | 43.8  |
| 88      | 16.3  | 0.0   | 33.0  |

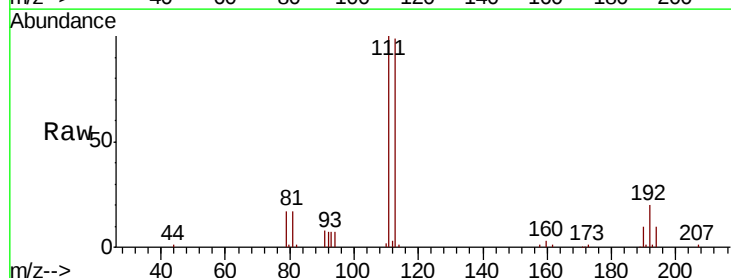


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

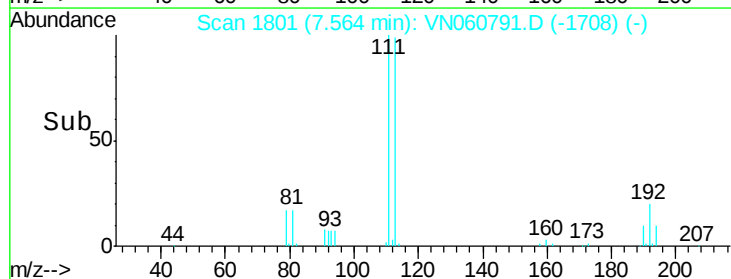
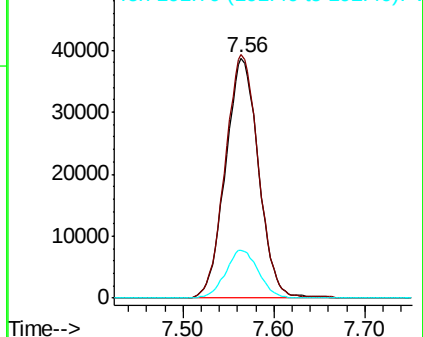


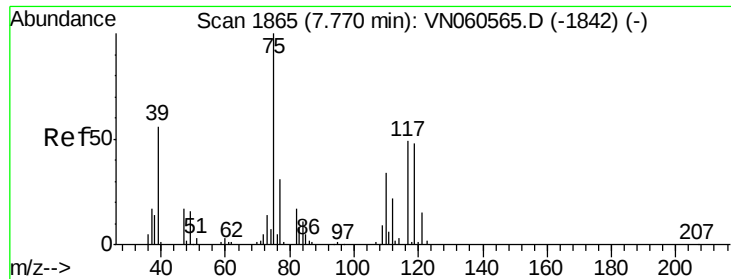
#35  
 Dibromofluoromethane  
 Concen: 48.966 ug/l  
 RT: 7.56 min Scan# 1801  
 Delta R.T. 0.00 min  
 Lab File: VN060791.D  
 Acq: 31 Mar 2020 17:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.2 | 82.9  | 124.3 |
| 192     | 19.8  | 15.8  | 23.8  |



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

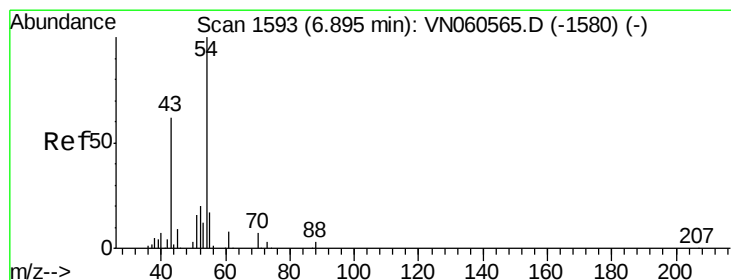
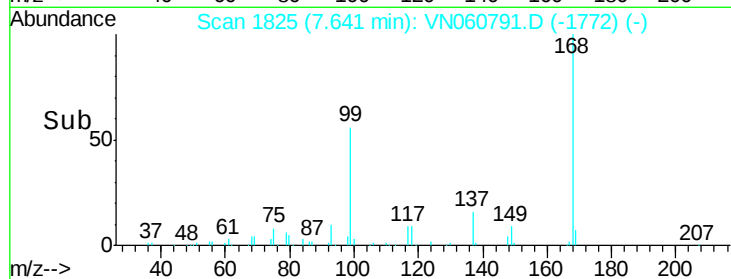
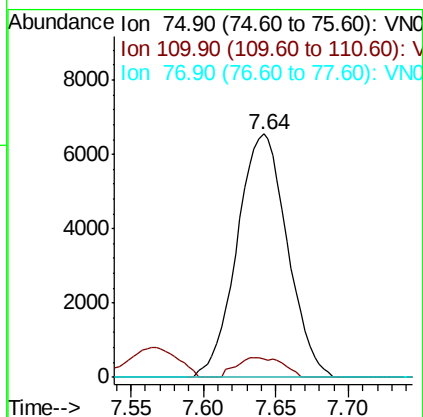
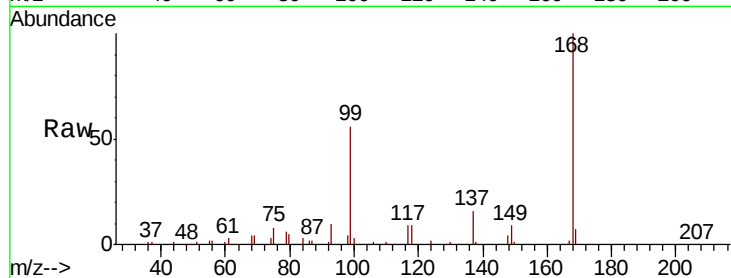




#36  
 1,1-Dichloropropene  
 Concen: 4.944 ug/l  
 RT: 7.64 min Scan# 1825  
 Delta R.T. -0.13 min  
 Lab File: VN060791.D  
 Acq: 31 Mar 2020 17:13

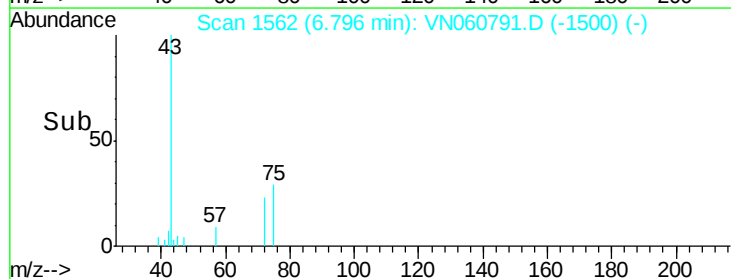
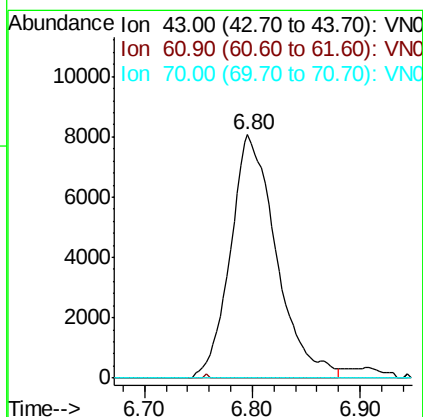
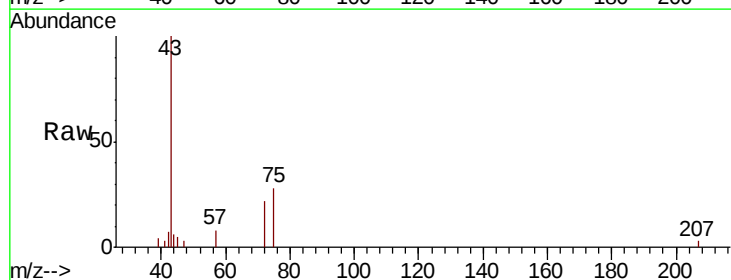
Instrument :  
 MSVOA\_N  
 ClientSampleId :

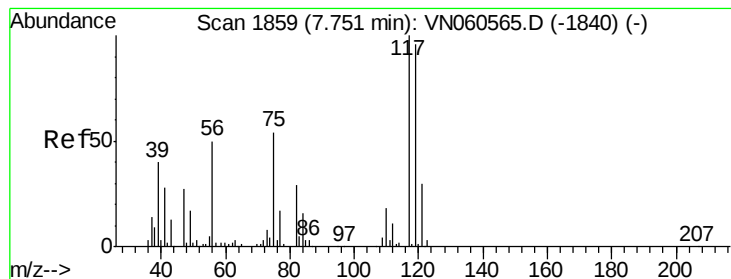
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 7.5   | 16.9  | 50.6# |
| 77      | 0.0   | 24.6  | 36.8# |



#37  
 Ethyl Acetate  
 Concen: 6.936 ug/l  
 RT: 6.80 min Scan# 1562  
 Delta R.T. -0.10 min  
 Lab File: VN060791.D  
 Acq: 31 Mar 2020 17:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 0.0   | 10.6  | 15.8# |
| 70      | 0.0   | 7.9   | 11.9# |





#38

Carbon Tetrachloride

Concen: 6.643 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060791.D

Acq: 31 Mar 2020 17:13

Instrument :

MSVOA\_N

ClientSampled :

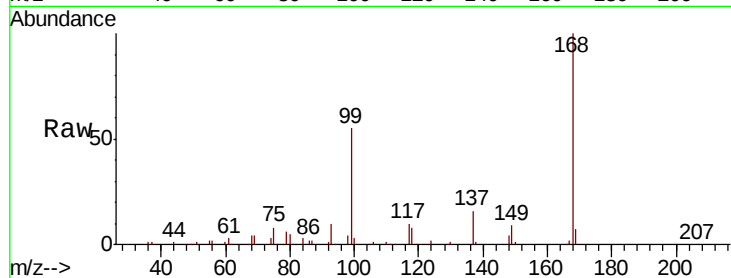
Tot Ion:117 Resp: 18986

Ion Ratio Lower Upper

117 100

119 4.4 76.2 114.2#

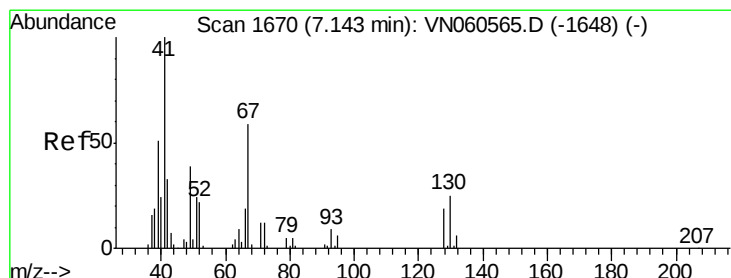
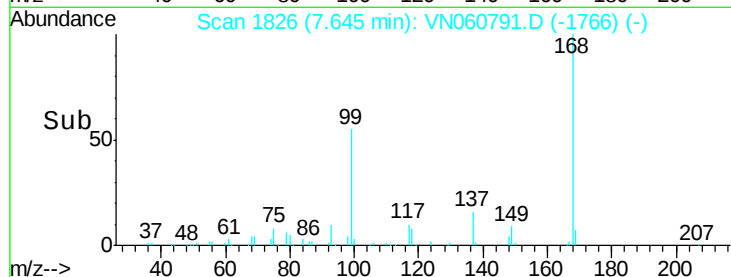
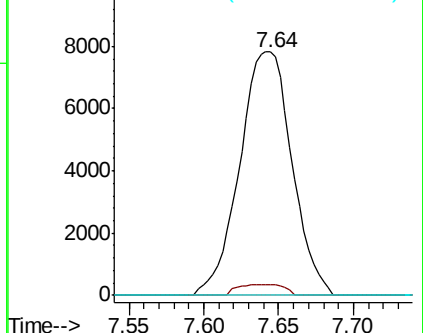
121 0.0 23.7 35.5#



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



#41

Methacrylonitrile

Concen: 0.201 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VN060791.D

Acq: 31 Mar 2020 17:13

Tgt Ion: 41 Resp: 295

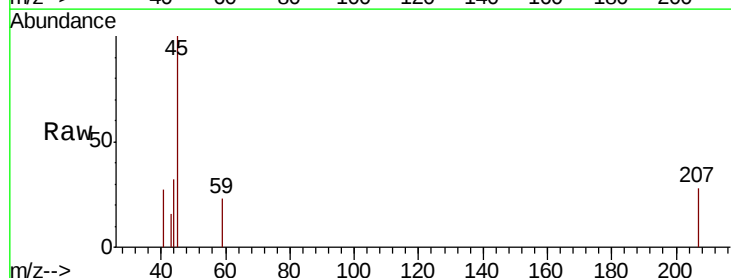
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

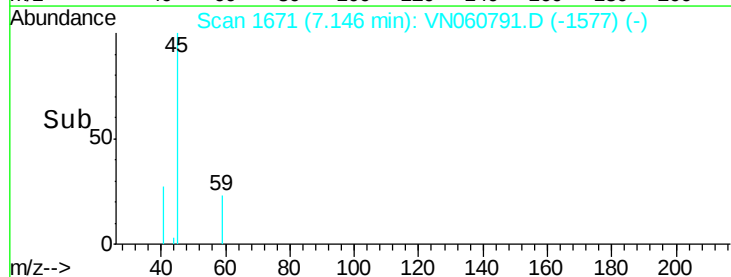
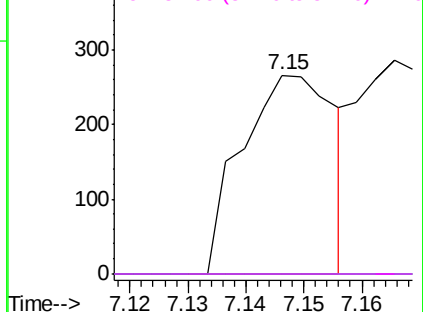


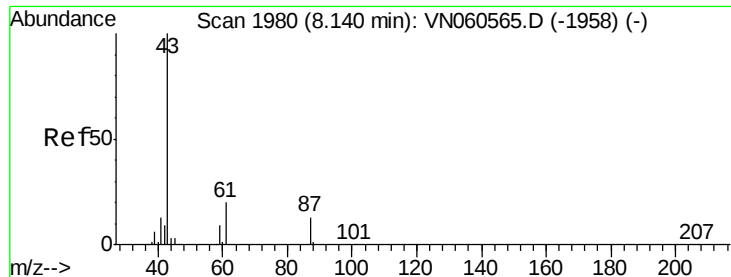
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V

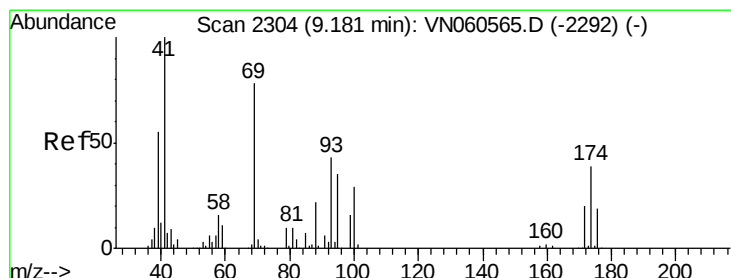
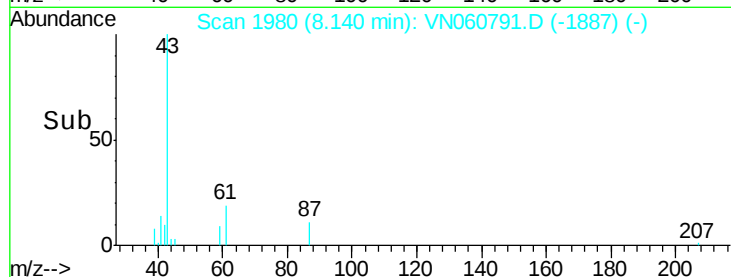
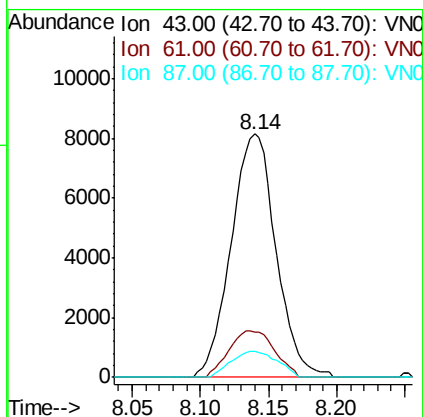
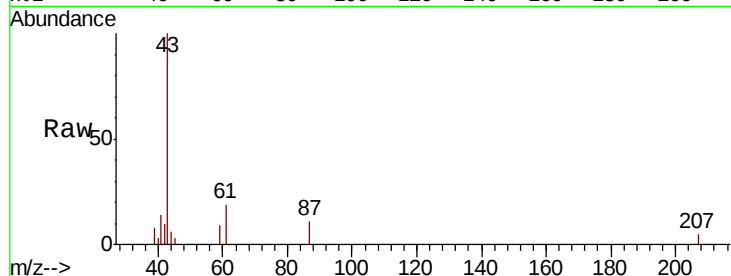




#43  
Isopropyl Acetate  
Concen: 3.274 ug/l  
RT: 8.14 min Scan# 1980  
Delta R.T. 0.00 min  
Lab File: VN060791.D  
Acq: 31 Mar 2020 17:13

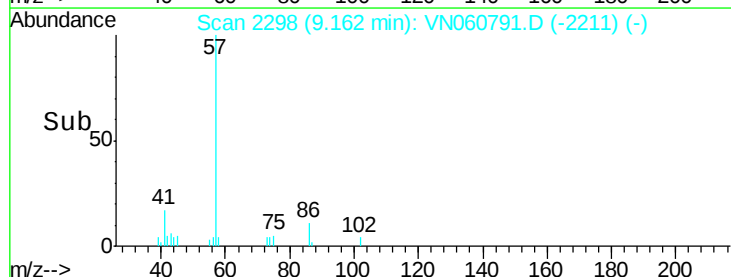
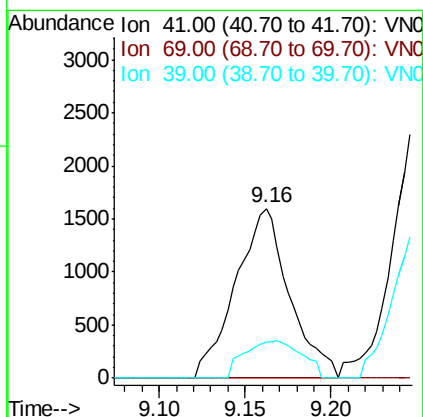
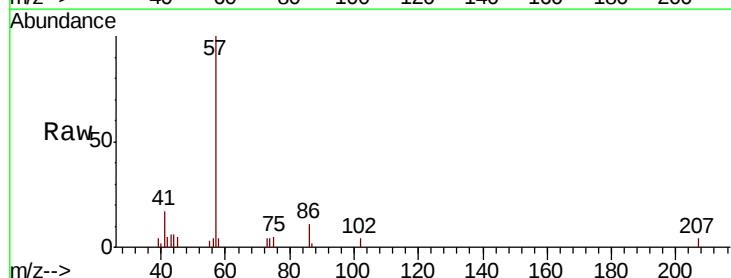
Instrument :  
MSVOA\_N  
ClientSampled :

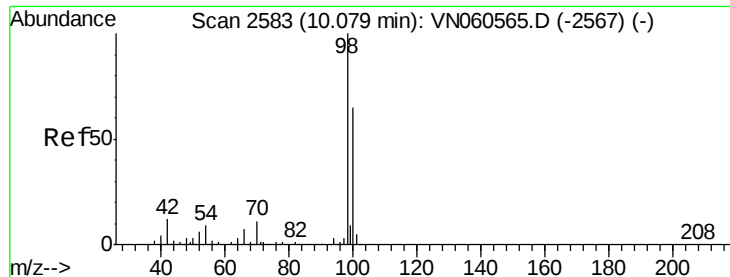
Tot Ion: 43 Resp: 18603  
Ion Ratio Lower Upper  
43 100  
61 19.4 20.7 31.1#  
87 11.0 9.8 14.8



#48  
Methyl methacrylate  
Concen: 1.377 ug/l  
RT: 9.16 min Scan# 2298  
Delta R.T. -0.02 min  
Lab File: VN060791.D  
Acq: 31 Mar 2020 17:13

Tgt Ion: 41 Resp: 3484  
Ion Ratio Lower Upper  
41 100  
69 0.0 65.4 98.0#  
39 23.4 44.0 66.0#





#50

Toluene-d8

Concen: 50.079 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060791.D

Acq: 31 Mar 2020 17:13

Instrument :

MSVOA\_N

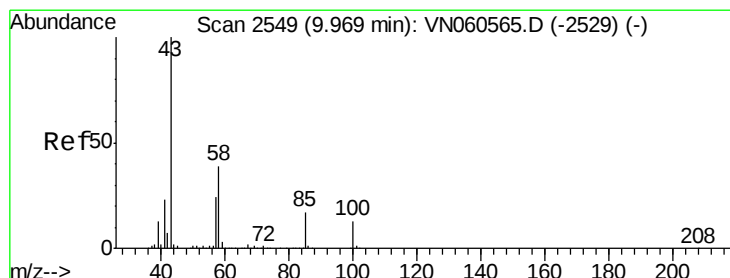
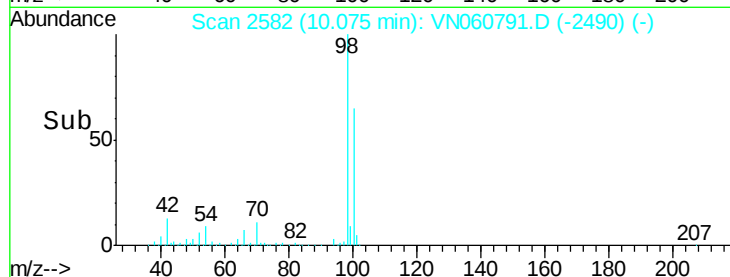
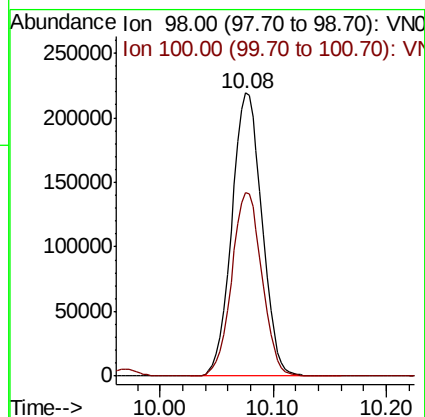
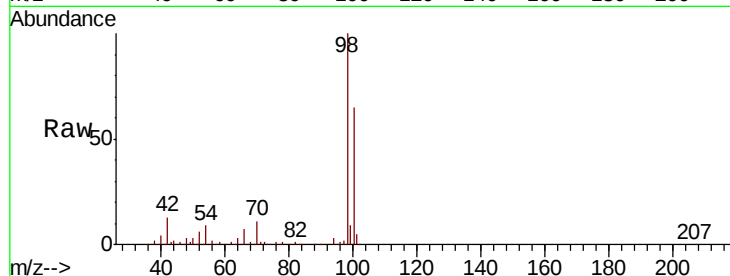
ClientSampleId :

Tot Ion: 98 Resp: 407337

Ion Ratio Lower Upper

98 100

100 64.8 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 22.416 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060791.D

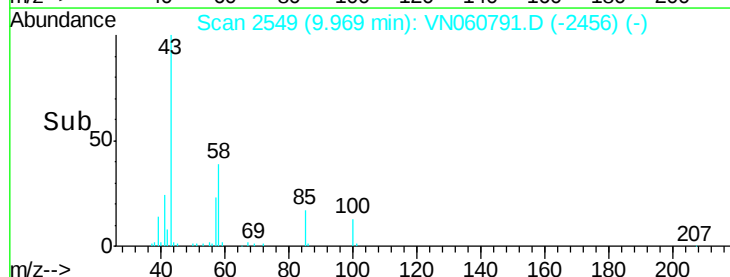
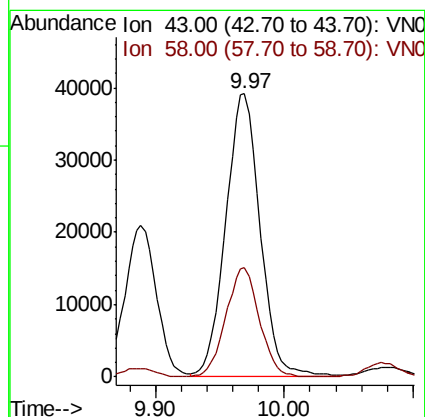
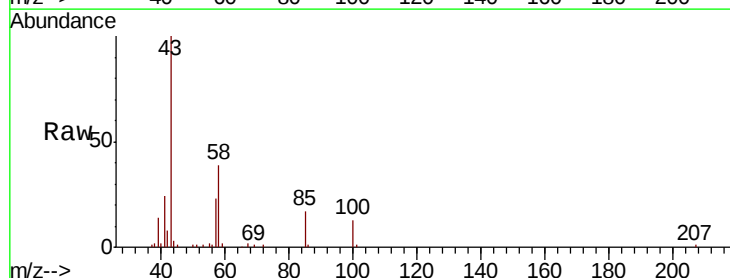
Acq: 31 Mar 2020 17:13

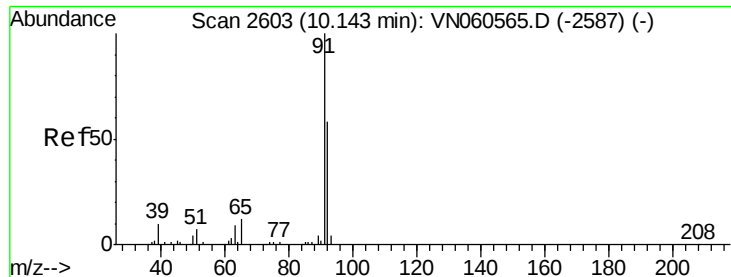
Tgt Ion: 43 Resp: 72487

Ion Ratio Lower Upper

43 100

58 37.3 30.8 46.2





#52

Toluene

Concen: 30.738 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060791.D

Acq: 31 Mar 2020 17:13

Instrument :

MSVOA\_N

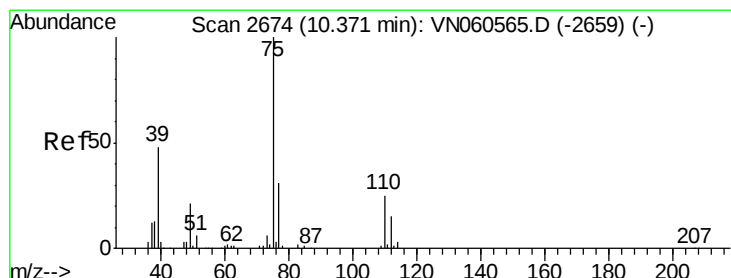
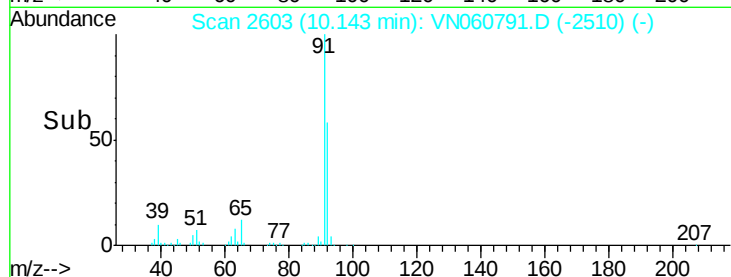
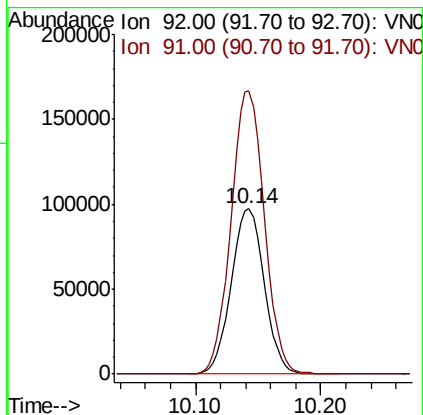
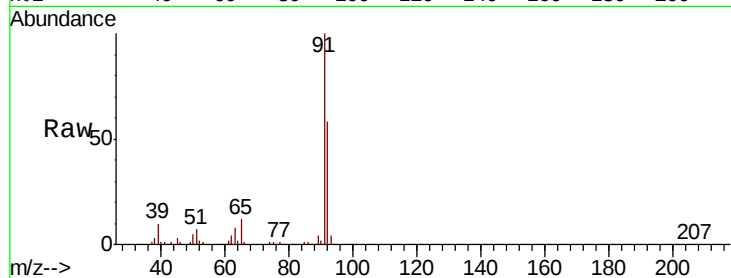
ClientSampleId :

Tot Ion: 92 Resp: 178703

Ion Ratio Lower Upper

92 100

91 172.5 137.6 206.4



#53

t-1,3-Dichloropropene

Concen: 0.554 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.23 min

Lab File: VN060791.D

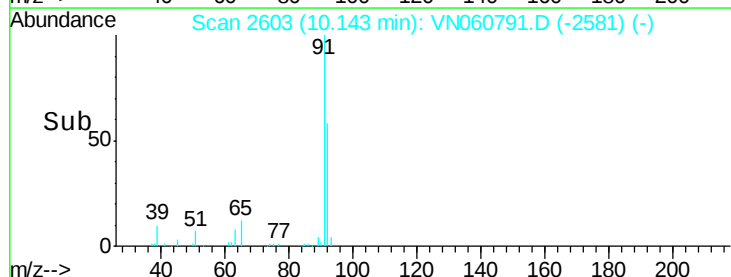
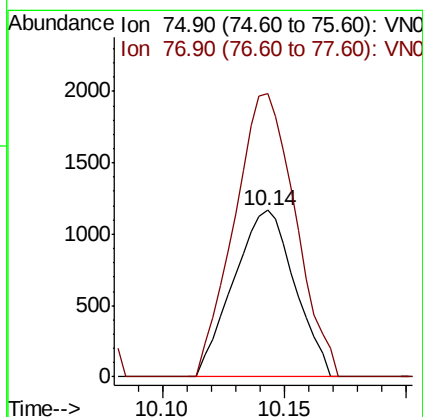
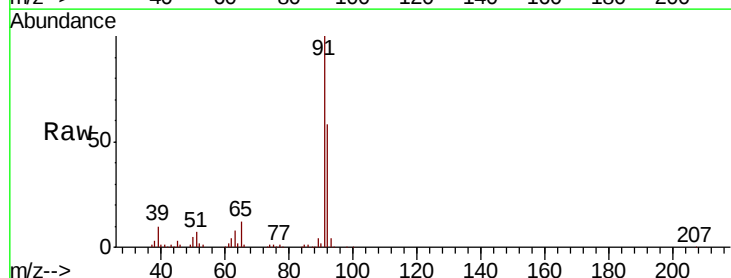
Acq: 31 Mar 2020 17:13

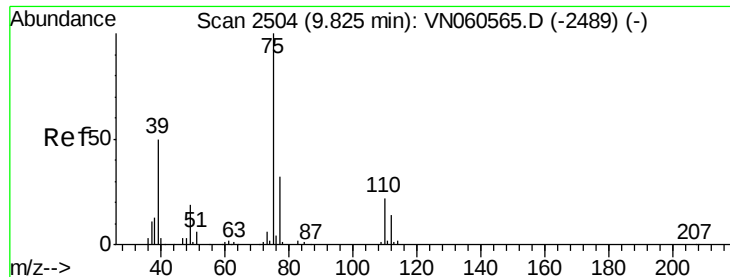
Tgt Ion: 75 Resp: 2030

Ion Ratio Lower Upper

75 100

77 169.8 25.1 37.7#





#54

cis-1,3-Dichloropropene

Concen: 4.127 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060791.D

Acq: 31 Mar 2020 17:13

Instrument :

MSVOA\_N

ClientSampleId :

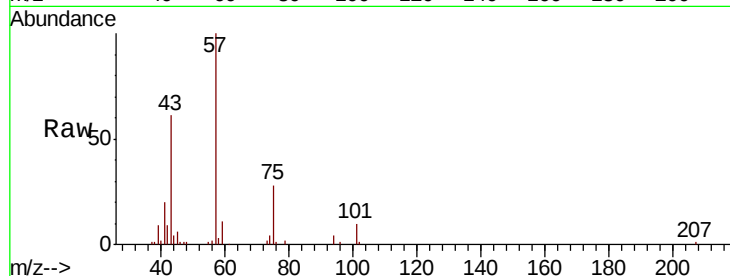
Tot Ion: 75 Resp: 16598

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

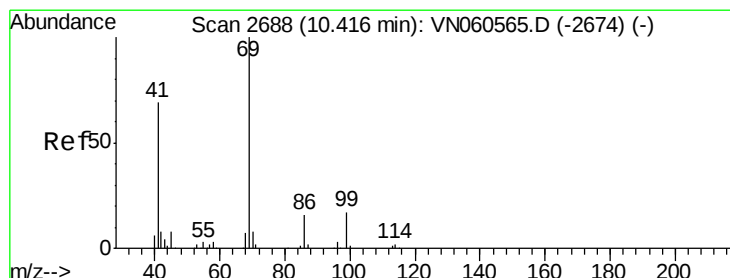
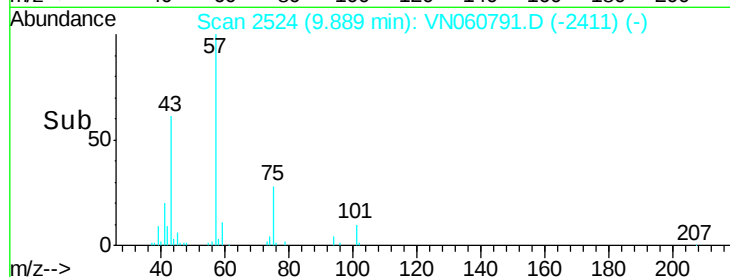
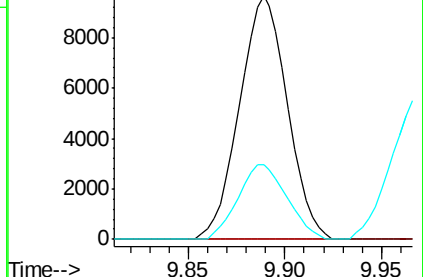
39 30.8 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VN060791.D (-2524) (-)

Ion 76.90 (76.60 to 77.60): VN060791.D (-2524) (-)

Ion 39.00 (38.70 to 39.70): VN060791.D (-2524) (-)



#56

Ethyl methacrylate

Concen: 1.635 ug/l

RT: 10.34 min Scan# 2664

Delta R.T. -0.08 min

Lab File: VN060791.D

Acq: 31 Mar 2020 17:13

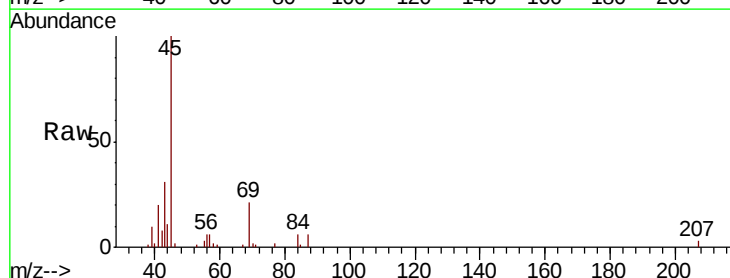
Tgt Ion: 69 Resp: 5703

Ion Ratio Lower Upper

69 100

41 90.1 55.4 83.2#

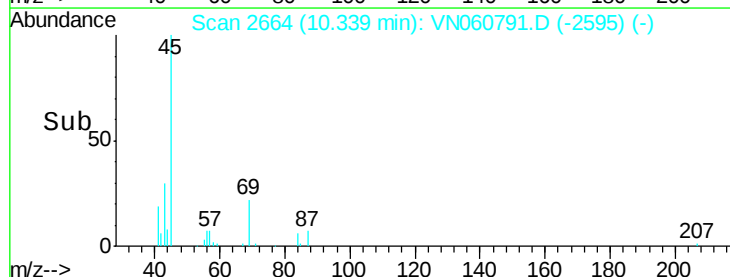
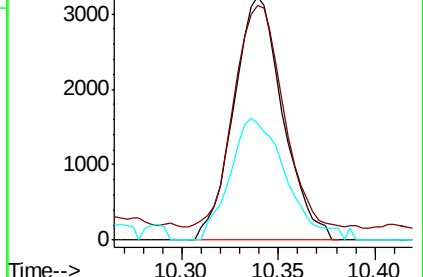
39 57.0 29.4 44.0#

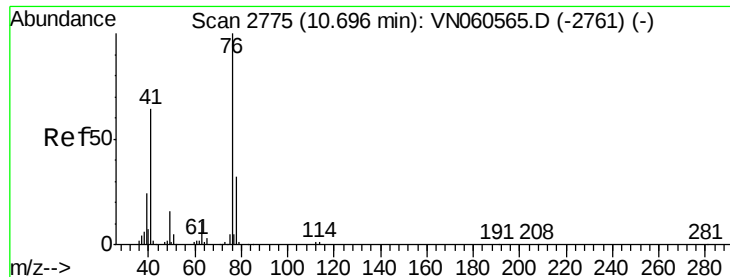


Abundance Ion 69.00 (68.70 to 69.70): VN060791.D (-2688) (-)

Ion 41.00 (40.70 to 41.70): VN060791.D (-2688) (-)

Ion 39.00 (38.70 to 39.70): VN060791.D (-2688) (-)

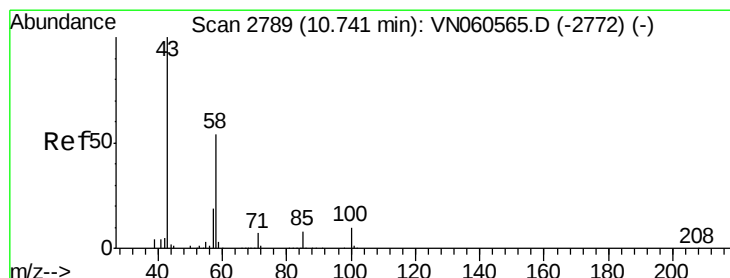
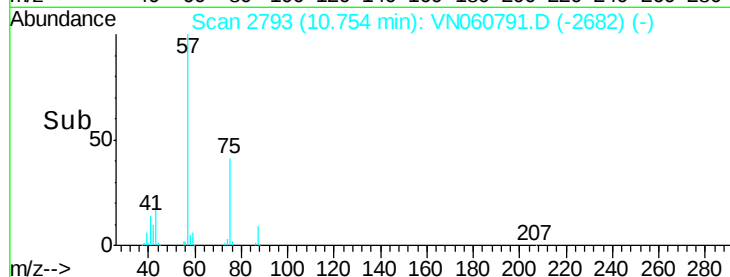
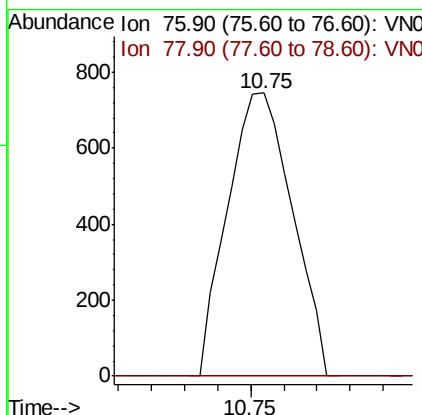
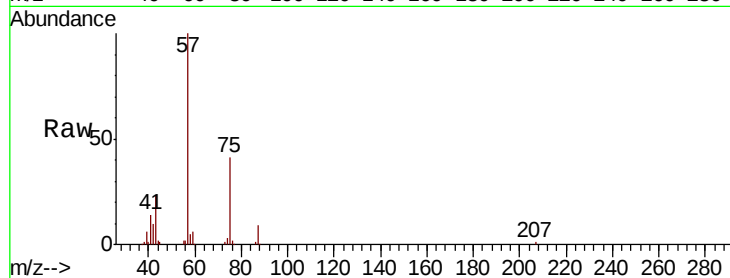




#57  
 1,3-Dichloropropane  
 Concen: 0.261 ug/l  
 RT: 10.75 min Scan# 2793  
 Delta R.T. 0.06 min  
 Lab File: VN060791.D  
 Acq: 31 Mar 2020 17:13

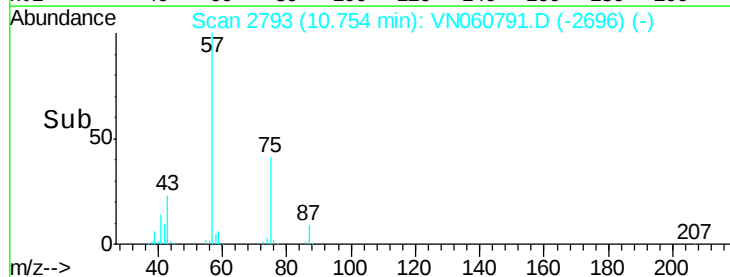
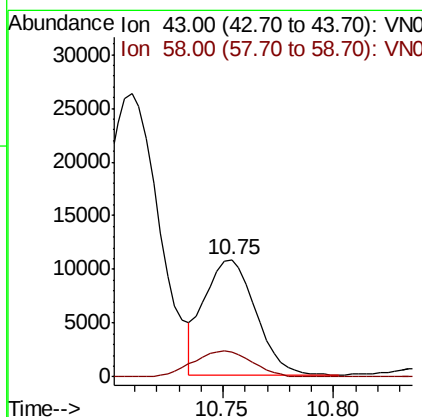
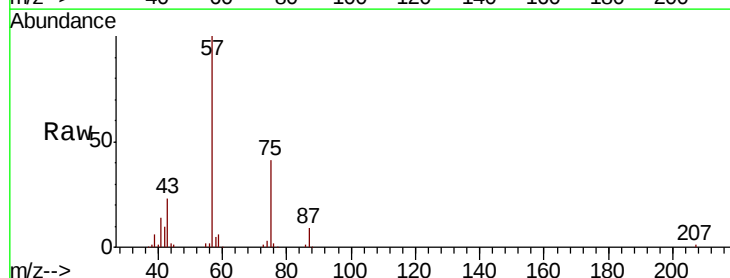
Instrument :  
 MSVOA\_N  
 ClientSampleId :

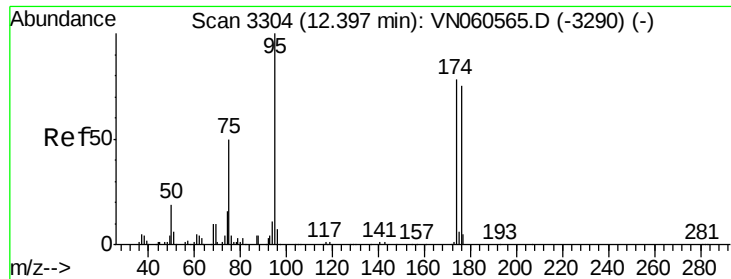
Tot Ion: 76 Resp: 1013  
 Ion Ratio Lower Upper  
 76 100  
 78 0.0 25.8 38.6#



#59  
 2-Hexanone  
 Concen: 7.448 ug/l  
 RT: 10.75 min Scan# 2793  
 Delta R.T. 0.01 min  
 Lab File: VN060791.D  
 Acq: 31 Mar 2020 17:13

Tgt Ion: 43 Resp: 17350  
 Ion Ratio Lower Upper  
 43 100  
 58 25.7 26.7 80.1#





#62

4-Bromofluorobenzene

Concen: 51.401 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060791.D

Acq: 31 Mar 2020 17:13

Instrument :

MSVOA\_N

ClientSampleId :

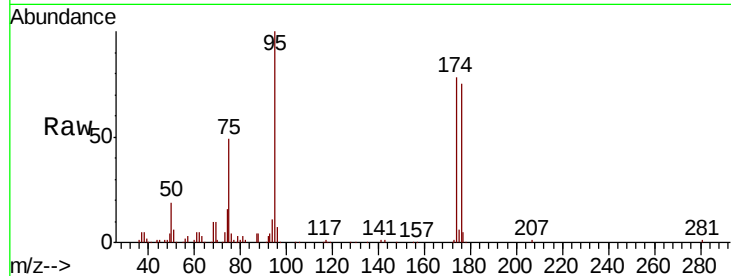
Tot Ion: 95 Resp: 153225

Ion Ratio Lower Upper

95 100

174 77.7 0.0 157.6

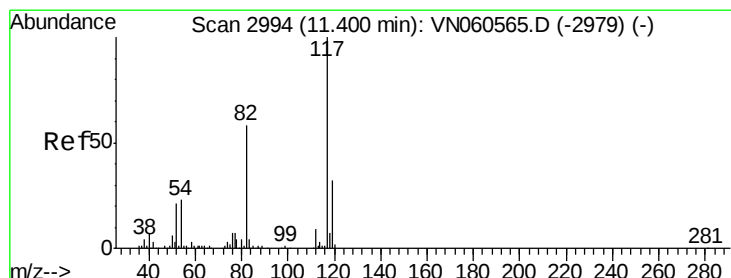
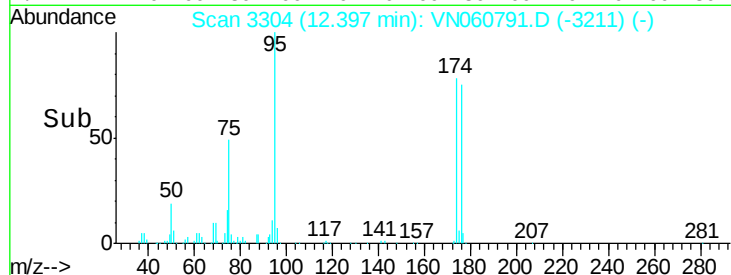
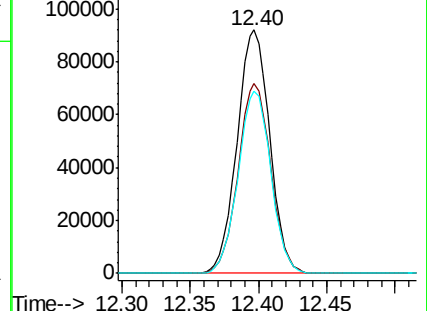
176 75.1 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060791.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060791.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060791.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060791.D

Acq: 31 Mar 2020 17:13

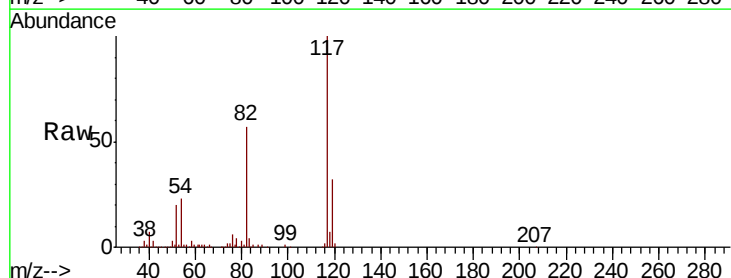
Tgt Ion: 117 Resp: 308137

Ion Ratio Lower Upper

117 100

82 57.2 46.7 70.1

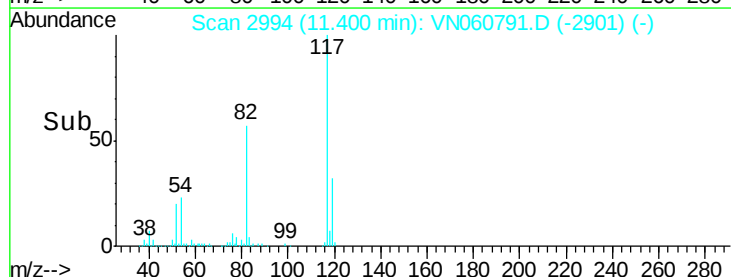
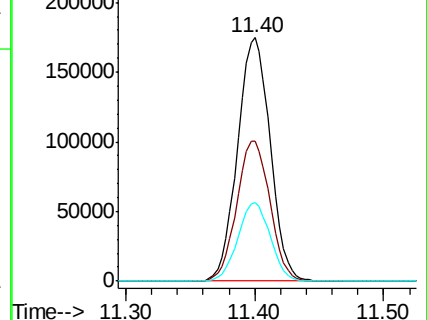
119 32.4 25.5 38.3

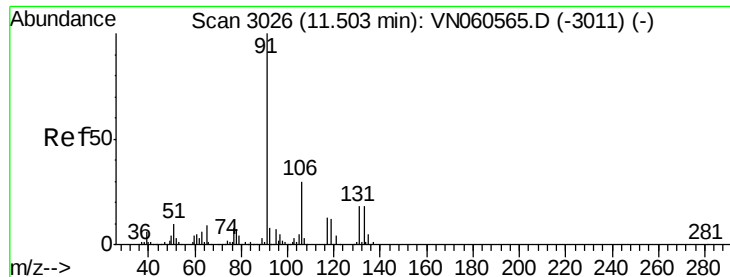


Abundance Ion 116.90 (116.60 to 117.60): VN060791.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060791.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060791.D (-2901) (-)

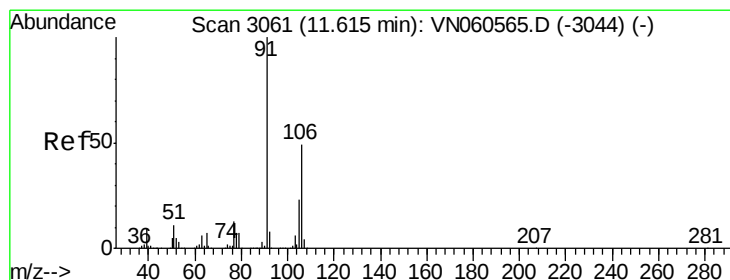
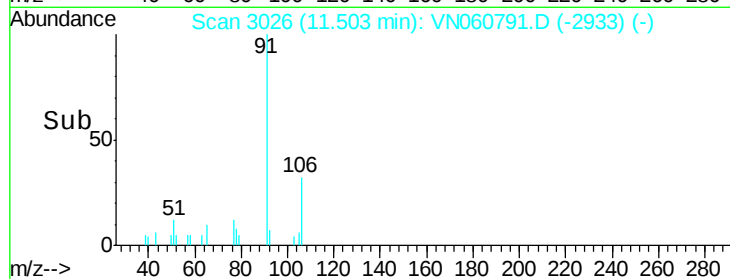
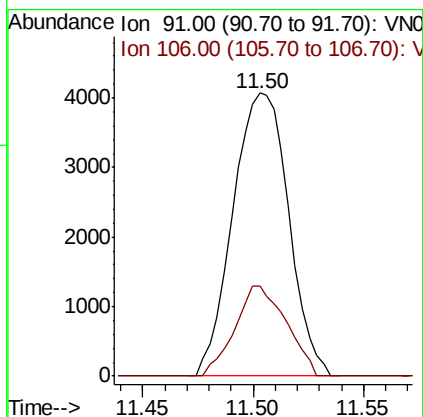
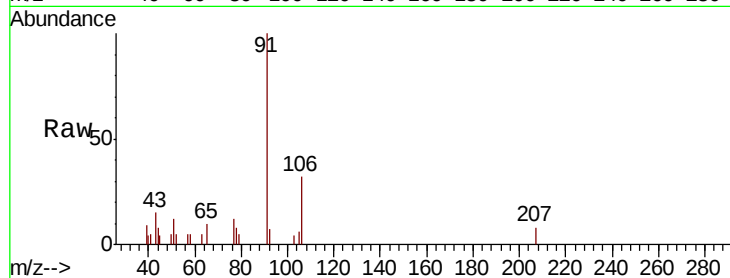




#67  
Ethyl Benzene  
Concen: 0.629 ug/l  
RT: 11.50 min Scan# 3026  
Delta R.T. 0.00 min  
Lab File: VN060791.D  
Acq: 31 Mar 2020 17:13

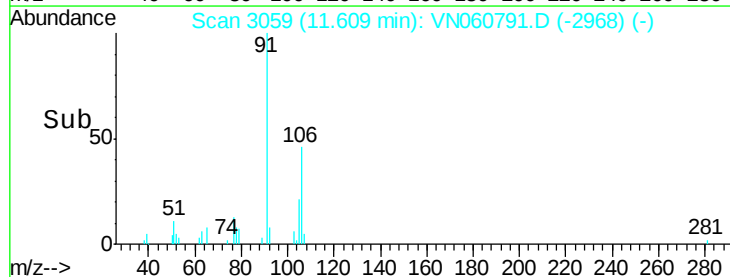
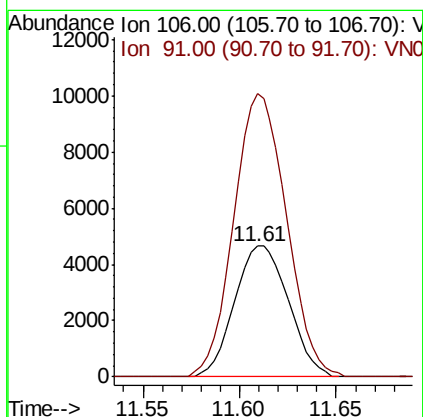
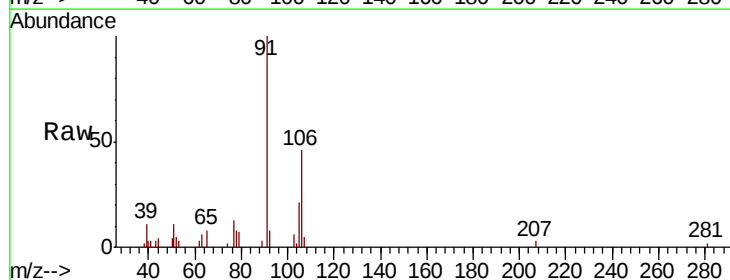
Instrument :  
MSVOA\_N  
ClientSampled :

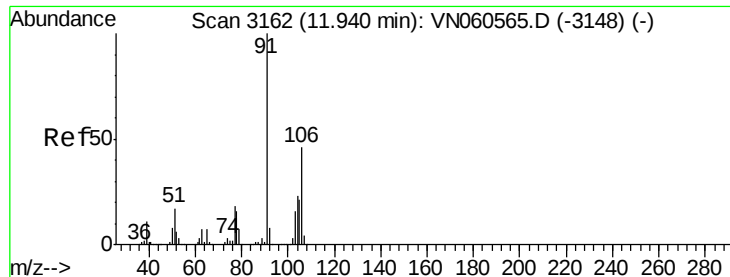
Tot Ion: 91 Resp: 7142  
Ion Ratio Lower Upper  
91 100  
106 31.7 24.2 36.2



#68  
m/p-Xylenes  
Concen: 2.137 ug/l  
RT: 11.61 min Scan# 3059  
Delta R.T. -0.01 min  
Lab File: VN060791.D  
Acq: 31 Mar 2020 17:13

Tgt Ion: 106 Resp: 9020  
Ion Ratio Lower Upper  
106 100  
91 211.5 165.0 247.4

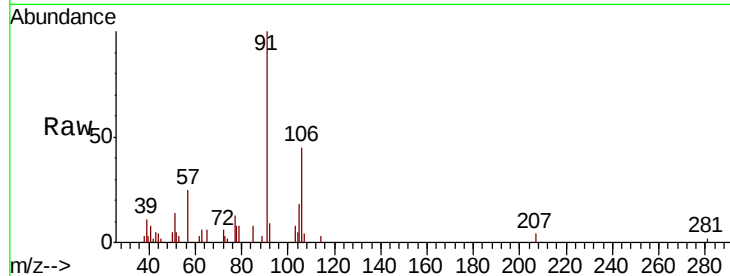




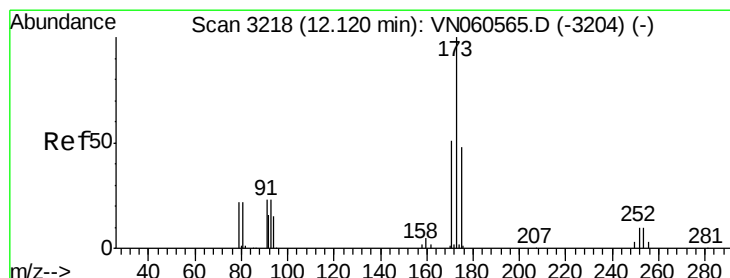
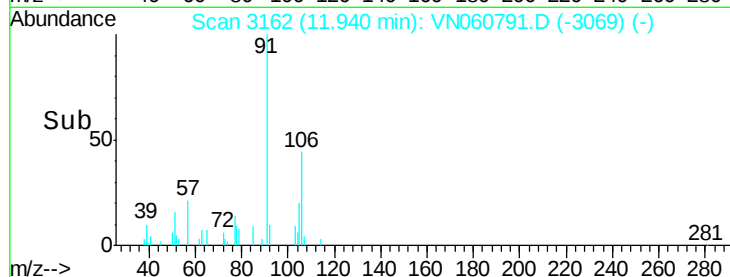
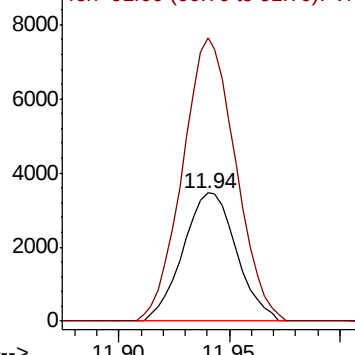
#69  
o-Xylene  
Concen: 1.443 ug/l  
RT: 11.94 min Scan# 3162  
Delta R.T. 0.00 min  
Lab File: VN060791.D  
Acq: 31 Mar 2020 17:13

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:106 Resp: 5813  
Ion Ratio Lower Upper  
106 100  
91 219.5 109.5 328.4

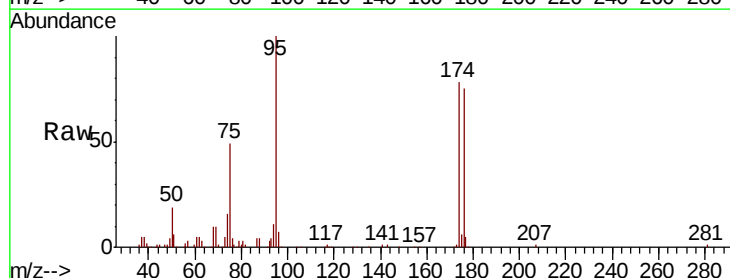


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): V

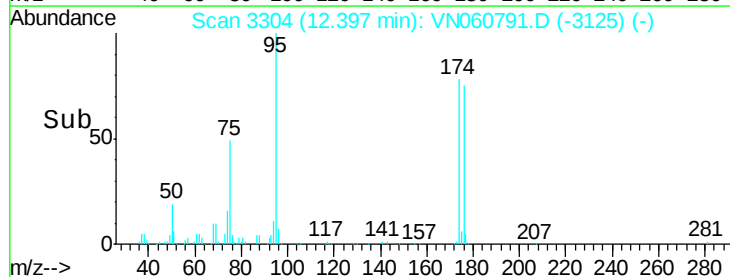
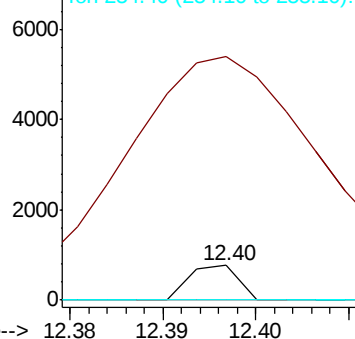


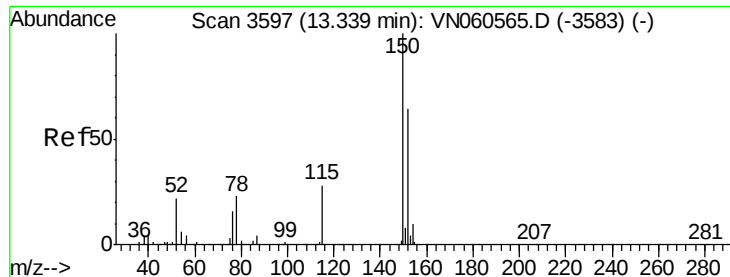
#71  
Bromoform  
Concen: 1.828 ug/l  
RT: 12.40 min Scan# 3304  
Delta R.T. 0.28 min  
Lab File: VN060791.D  
Acq: 31 Mar 2020 17:13

Tgt Ion:173 Resp: 280  
Ion Ratio Lower Upper  
173 100  
175 2588.2 24.1 72.4#  
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060791.D

Acq: 31 Mar 2020 17:13

Instrument :

MSVOA\_N

ClientSampleId :

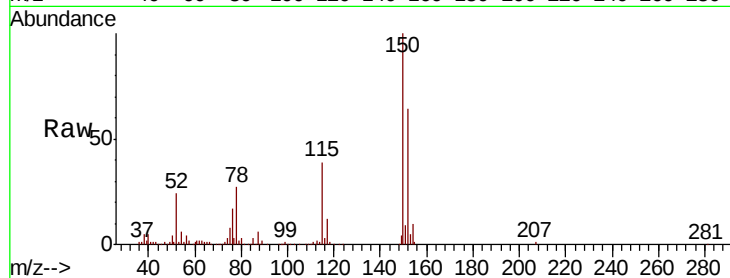
Tot Ion:152 Resp: 144627

Ion Ratio Lower Upper

152 100

115 60.7 30.2 90.6

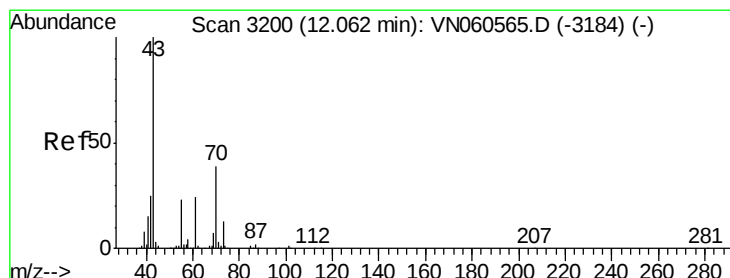
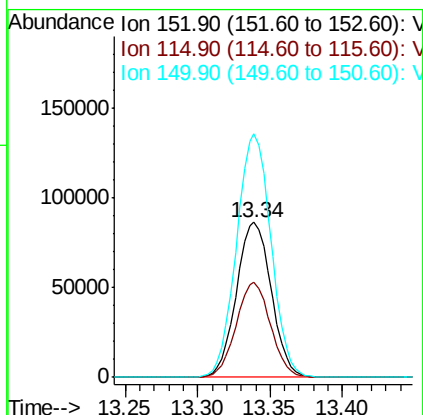
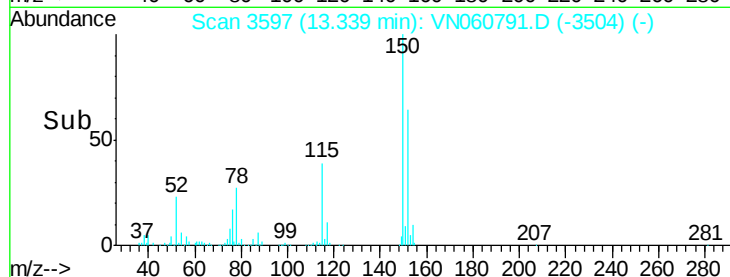
150 155.3 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.959 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060791.D

Acq: 31 Mar 2020 17:13

Tgt Ion: 43 Resp: 4808

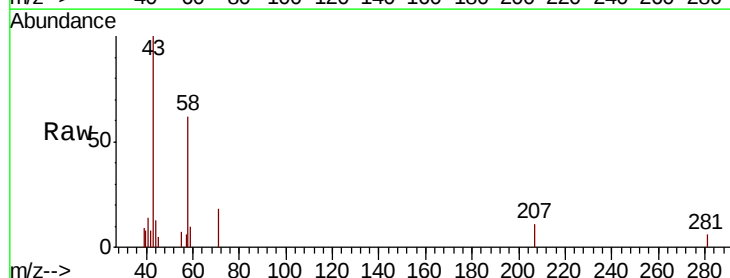
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 4.7 18.6 27.8#

61 0.0 18.9 28.3#

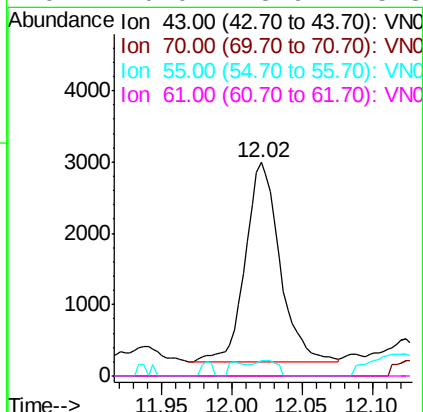
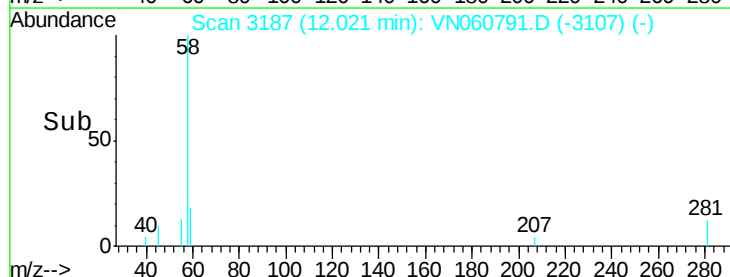


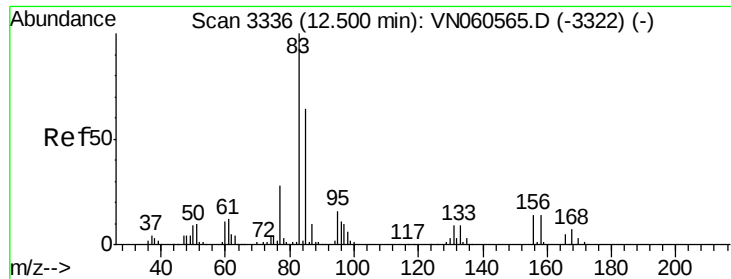
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 0.297 ug/l

RT: 12.69 min Scan# 3395

Delta R.T. 0.19 min

Lab File: VN060791.D

Acq: 31 Mar 2020 17:13

Instrument :

MSVOA\_N

ClientSampleId :

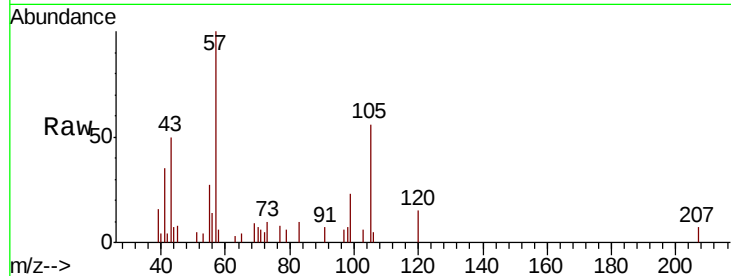
Tot Ion: 83 Resp: 976

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 0.0 32.5 97.4#



Abundance Ion 82.90 (82.60 to 83.60): VN060791.D (-3395) (-)

Ion 130.80 (130.50 to 131.50): VN060791.D (-3395) (-)

Ion 84.90 (84.60 to 85.60): VN060791.D (-3395) (-)

12.69

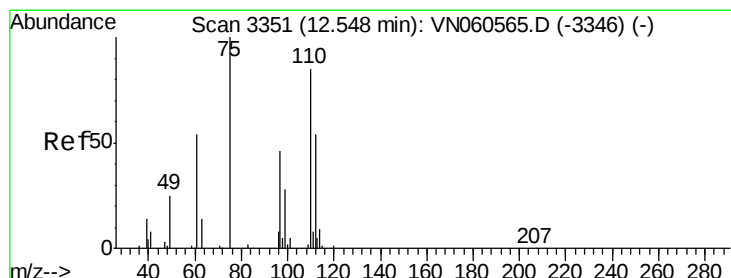
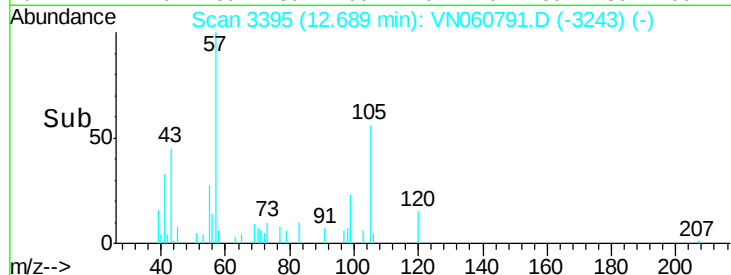
600

400

200

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 24.517 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060791.D

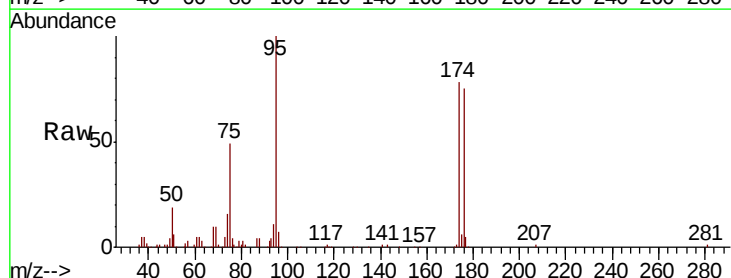
Acq: 31 Mar 2020 17:13

Tgt Ion: 75 Resp: 76512

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060791.D (-3304) (-)

Ion 77.00 (76.70 to 77.70): VN060791.D (-3304) (-)

12.40

50000

40000

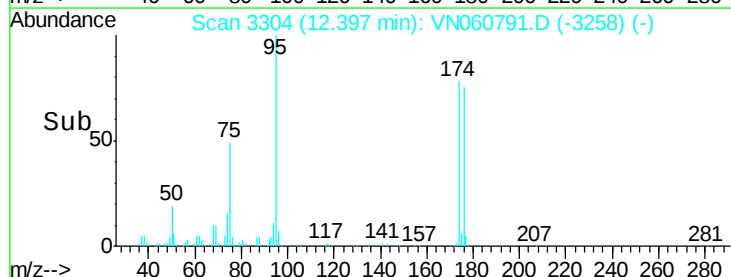
30000

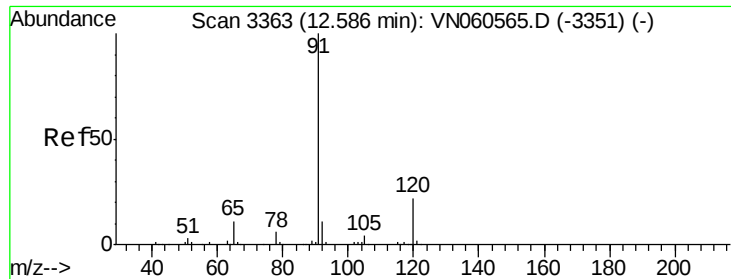
20000

10000

0

Time-->





#78

n-propylbenzene

Concen: 0.388 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060791.D

Acq: 31 Mar 2020 17:13

Instrument :

MSVOA\_N

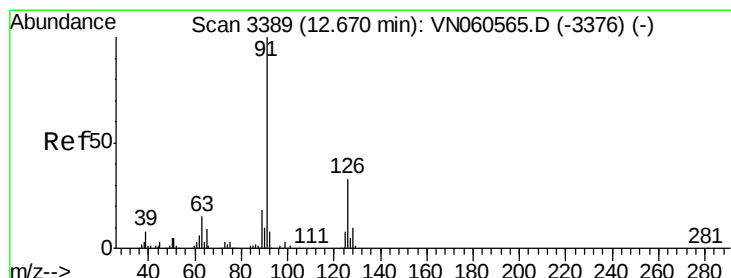
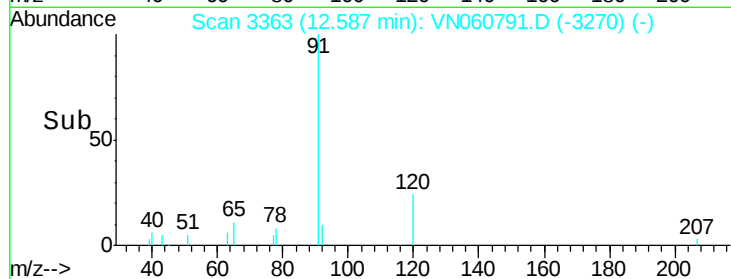
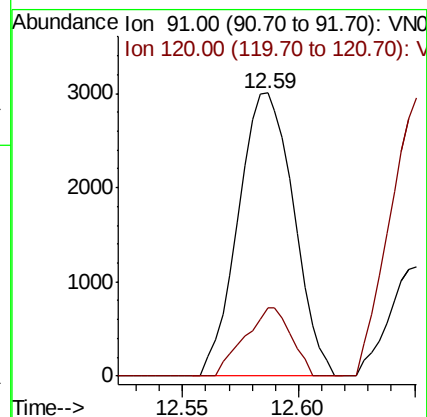
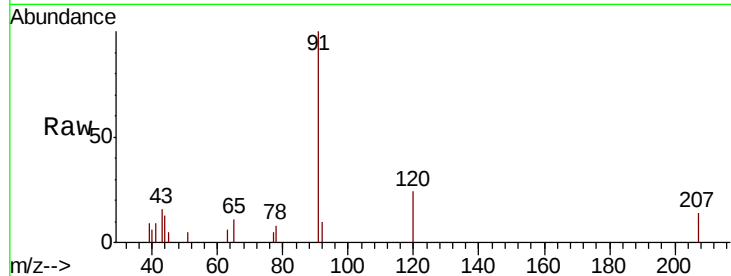
ClientSampleId :

Tot Ion: 91 Resp: 4978

Ion Ratio Lower Upper

91 100

120 20.1 11.3 33.8



#79

2-Chlorotoluene

Concen: 0.265 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.02 min

Lab File: VN060791.D

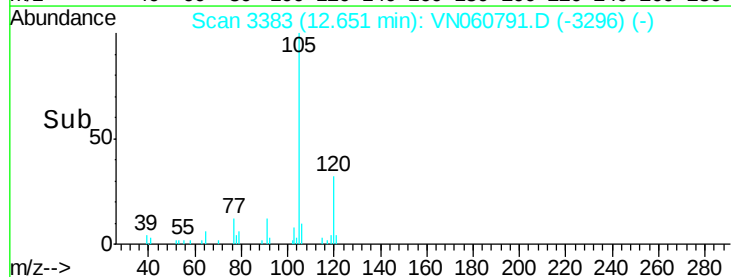
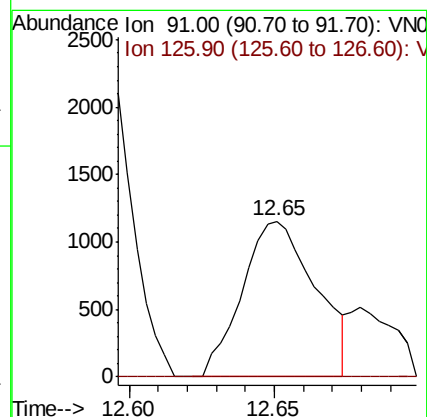
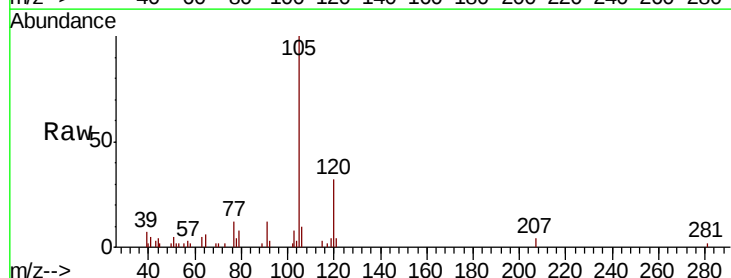
Acq: 31 Mar 2020 17:13

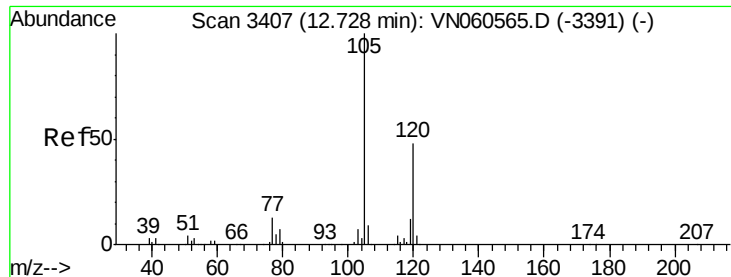
Tgt Ion: 91 Resp: 2030

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.1#

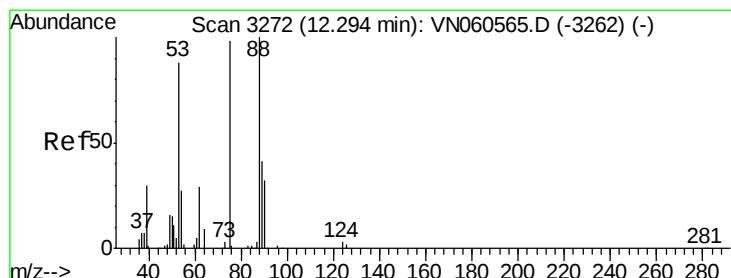
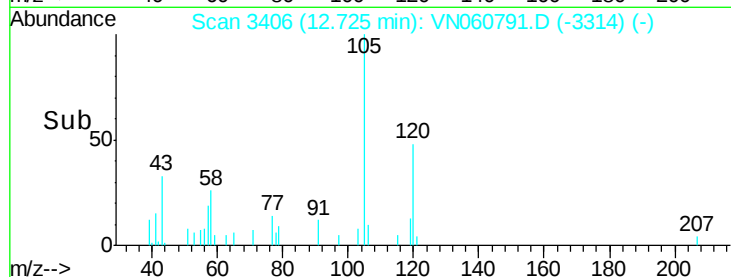
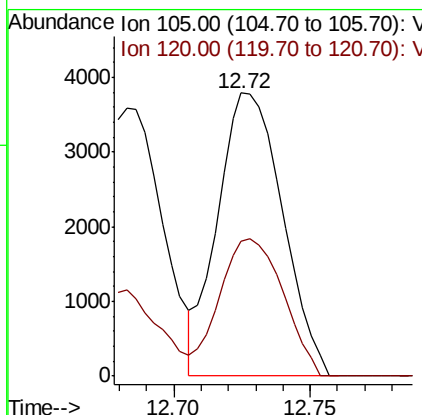
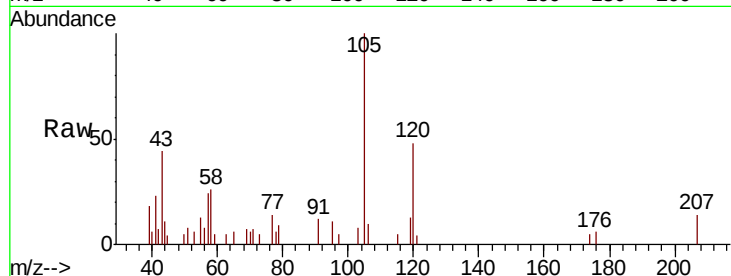




#80  
 1,3,5-Trimethylbenzene  
 Concen: 0.681 ug/l  
 RT: 12.72 min Scan# 3406  
 Delta R.T. -0.00 min  
 Lab File: VN060791.D  
 Acq: 31 Mar 2020 17:13

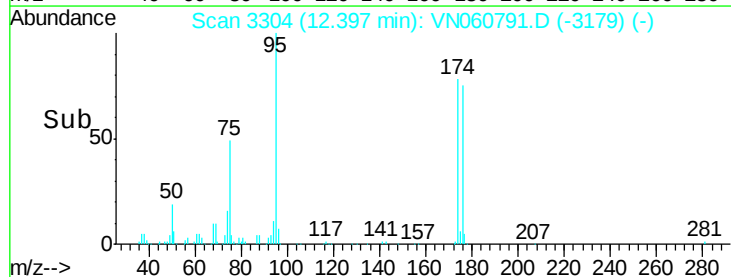
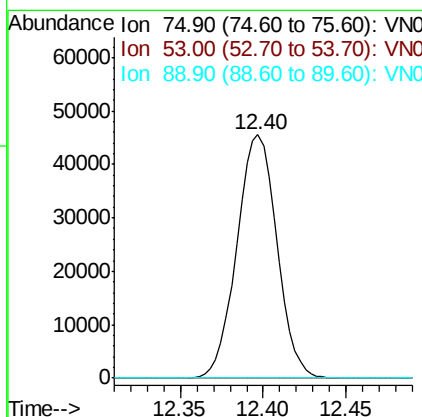
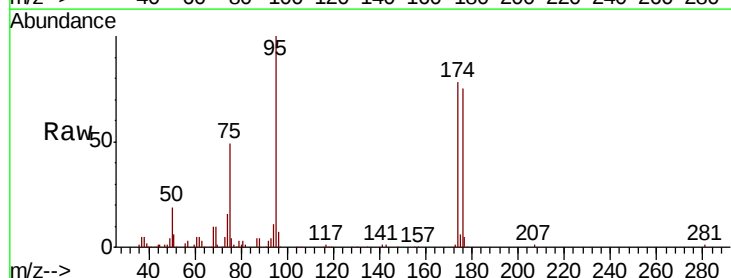
Instrument :  
 MSVOA\_N  
 ClientSampled :

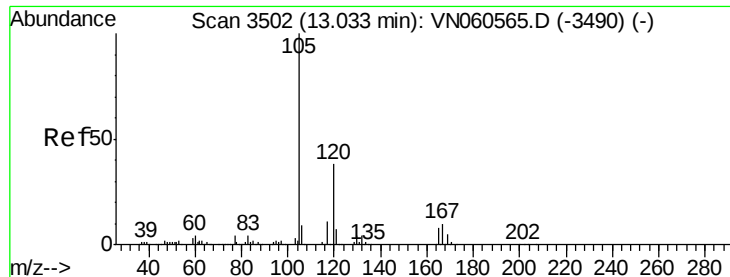
Tot Ion:105 Resp: 6274  
 Ion Ratio Lower Upper  
 105 100  
 120 47.6 23.9 71.7



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 62.967 ug/l  
 RT: 12.40 min Scan# 3304  
 Delta R.T. 0.10 min  
 Lab File: VN060791.D  
 Acq: 31 Mar 2020 17:13

Tgt Ion: 75 Resp: 76512  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 73.0 109.4#  
 89 0.0 34.8 52.2#





#84

1,2,4-Trimethylbenzene

Concen: 2.743 ug/l

RT: 13.03 min Scan# 3502

Delta R.T. 0.00 min

Lab File: VN060791.D

Acq: 31 Mar 2020 17:13

Instrument :

MSVOA\_N

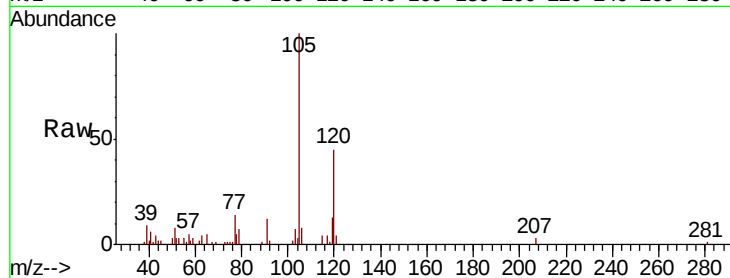
ClientSampleId :

Tot Ion:105 Resp: 24996

Ion Ratio Lower Upper

105 100

120 43.8 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.03

15000

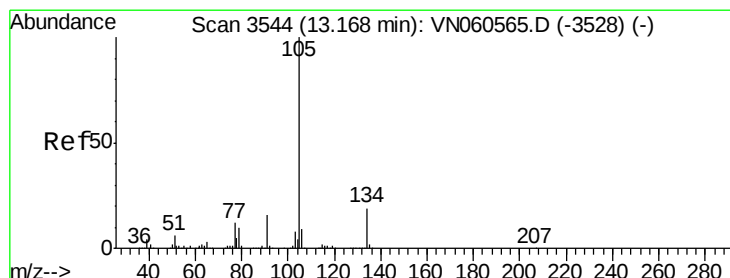
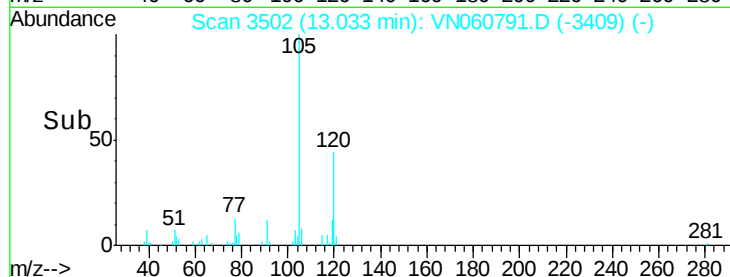
10000

5000

0

Time-->

13.00 13.05 13.10



#85

sec-Butylbenzene

Concen: 0.215 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060791.D

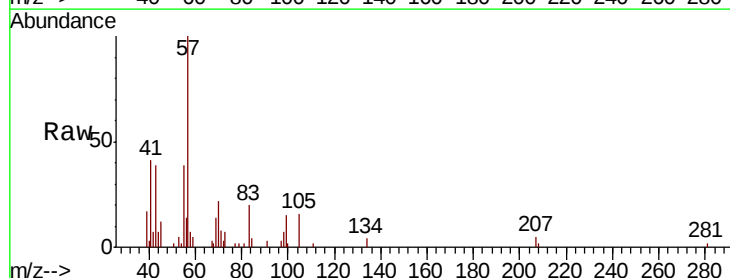
Acq: 31 Mar 2020 17:13

Tgt Ion:105 Resp: 2208

Ion Ratio Lower Upper

105 100

134 21.2 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

1500

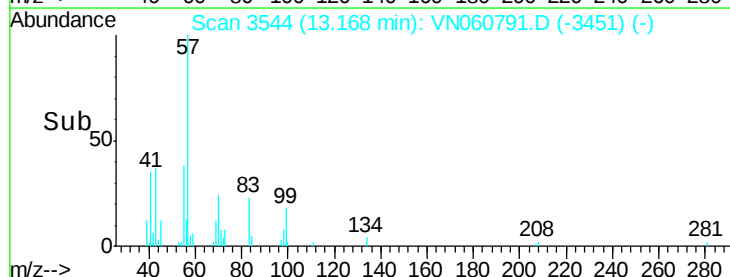
1000

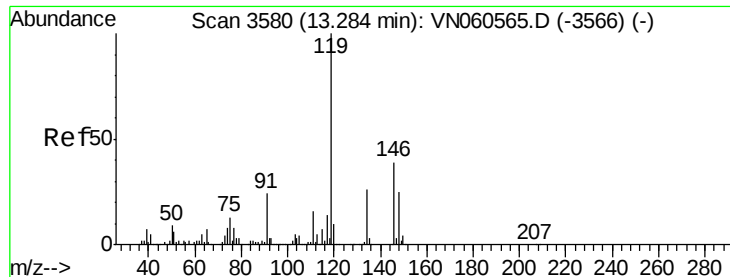
500

0

Time-->

13.15 13.20

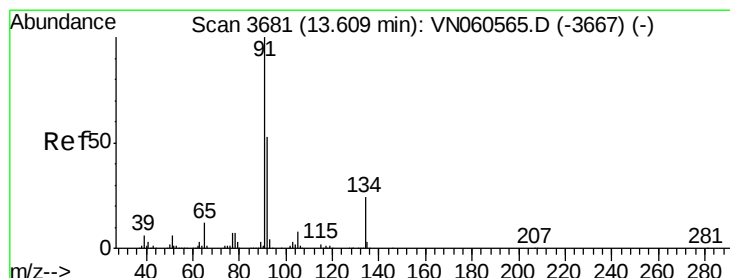
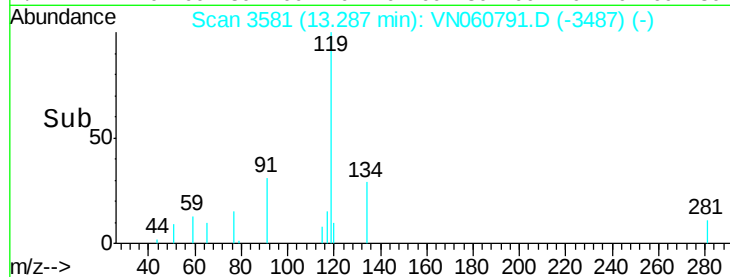
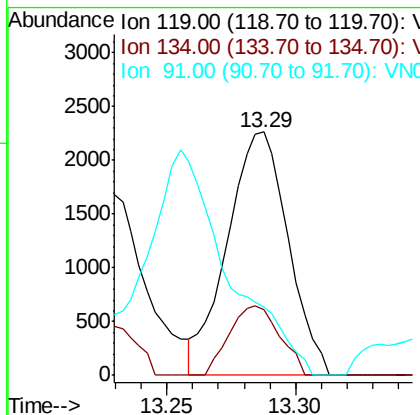
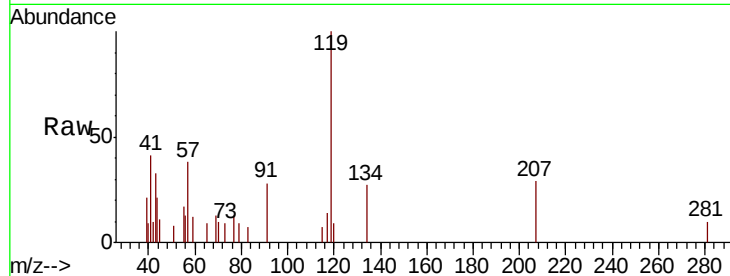




#86  
p-Isopropyltoluene  
Concen: 0.404 ug/l  
RT: 13.29 min Scan# 3581  
Delta R.T. 0.00 min  
Lab File: VN060791.D  
Acq: 31 Mar 2020 17:13

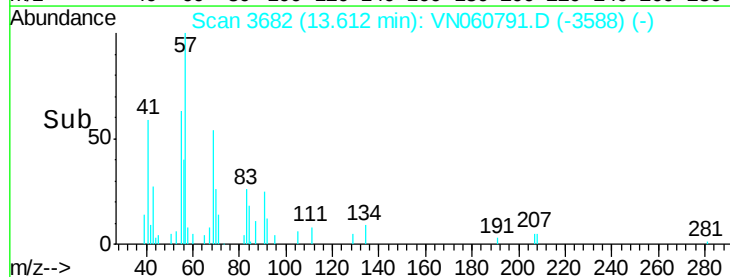
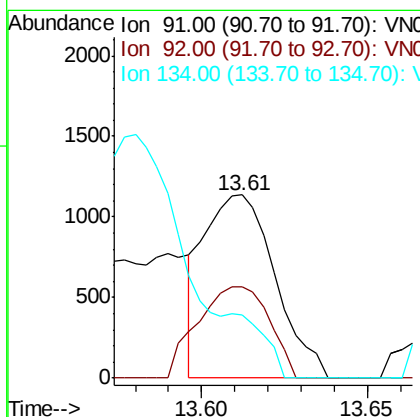
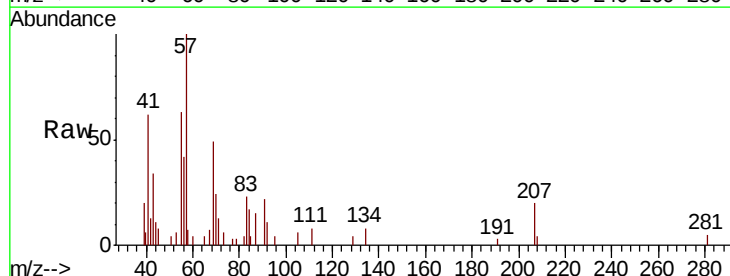
Instrument :  
MSVOA\_N  
ClientSampled :

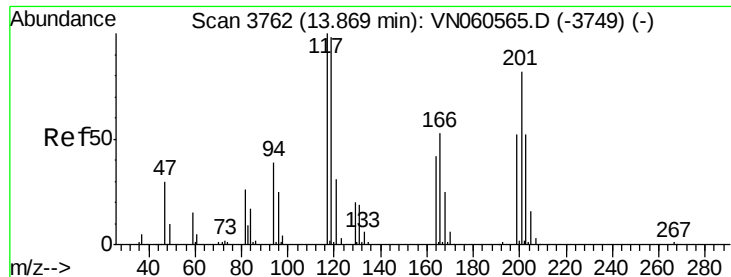
Tot Ion:119 Resp: 3729  
Ion Ratio Lower Upper  
119 100  
134 23.7 13.0 39.0  
91 0.0 12.0 36.0#



#89  
n-Butylbenzene  
Concen: 0.203 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN060791.D  
Acq: 31 Mar 2020 17:13

Tgt Ion: 91 Resp: 1688  
Ion Ratio Lower Upper  
91 100  
92 50.4 26.2 78.5  
134 0.0 12.3 36.9#





#90

Hexachloroethane

Concen: 0.383 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. 0.02 min

Lab File: VN060791.D

Acq: 31 Mar 2020 17:13

Instrument :

MSVOA\_N

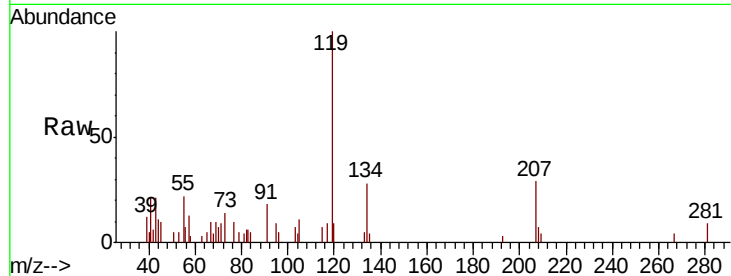
ClientSampled :

Tot Ion:117 Resp: 514

Ion Ratio Lower Upper

117 100

201 0.0 40.8 122.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.89

400

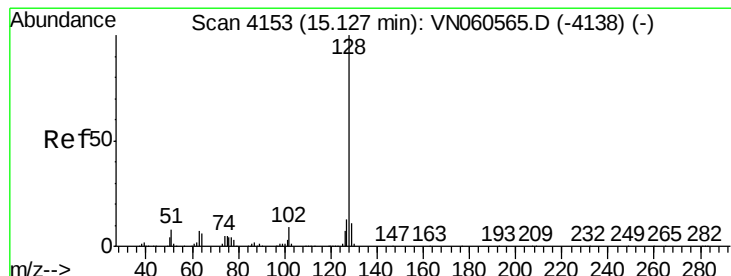
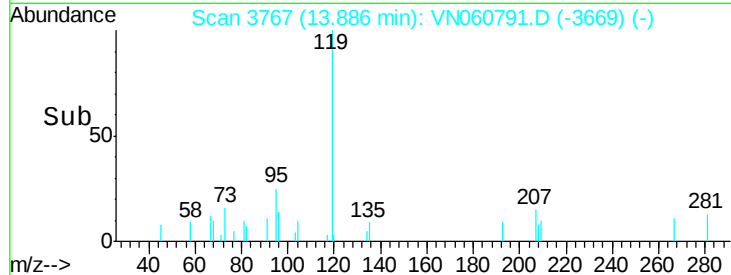
300

200

100

0

Time-->



#95

Naphthalene

Concen: 1.084 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN060791.D

Acq: 31 Mar 2020 17:13

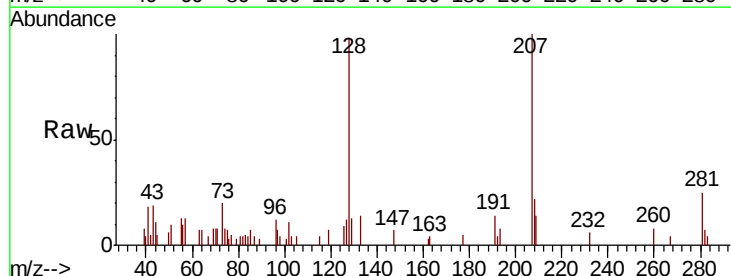
Tgt Ion:128 Resp: 8828

Ion Ratio Lower Upper

128 100

127 11.0 10.2 15.2

129 12.1 8.8 13.2



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

6000

4000

2000

0

Time-->

