

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022520\  
 Data File : VN060238.D  
 Acq On : 25 Feb 2020 16:44  
 Operator : JC/MD  
 Sample : L1367-08  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Feb 25 22:21:19 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 12 14:12:21 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 218988   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 350537   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 334798   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 172486   | 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   | 134591   | 50.51 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.02% |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 106609   | 49.48 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.96%  |          |
| 50) Toluene-d8              | 10.08 | 98   | 430678   | 50.76 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.52% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 170175   | 54.58 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 109.16% |          |

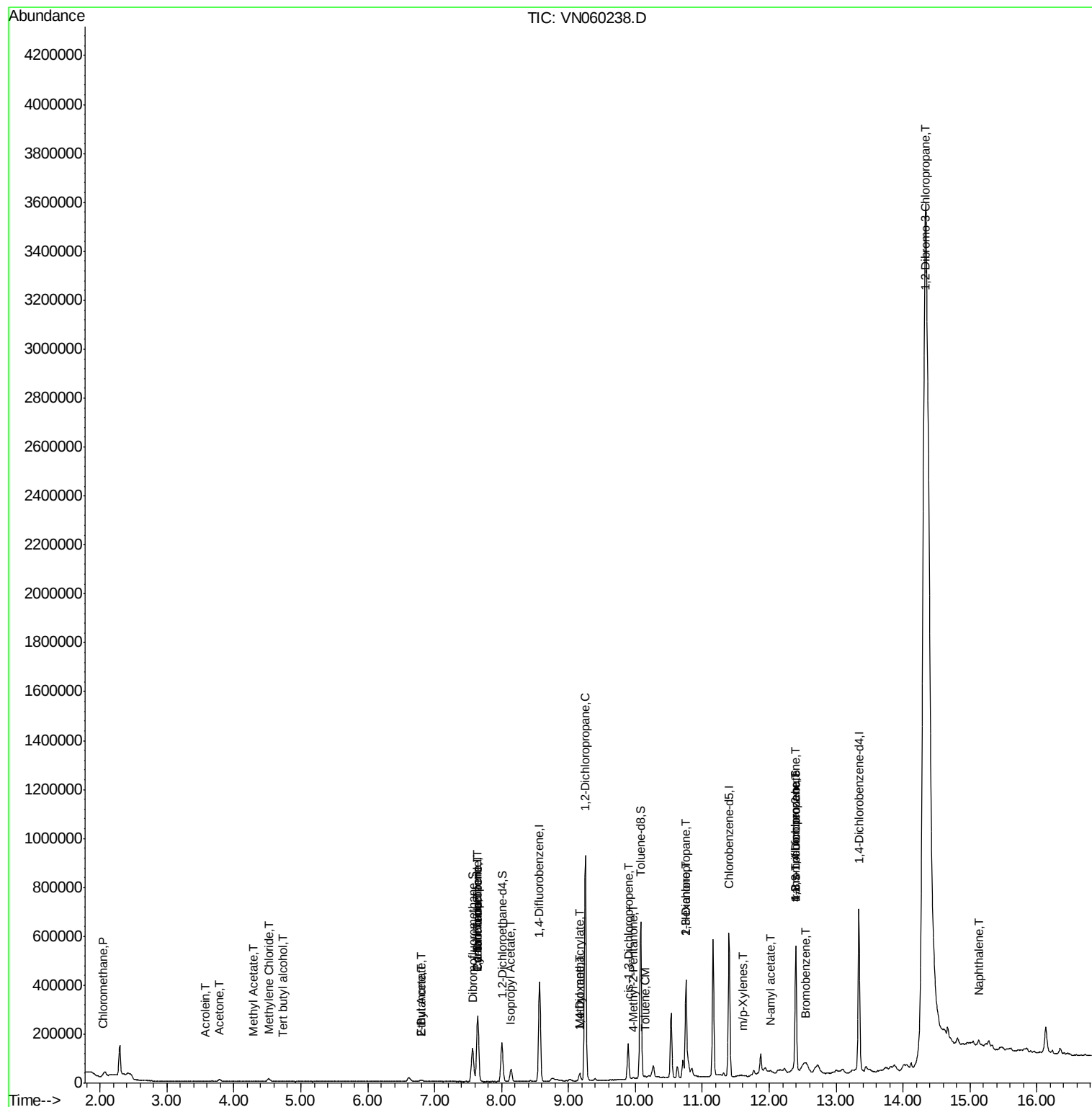
| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 3) Chloromethane               | 2.04  | 50   | 1057     | 0.406   | ug/l # | 87     |
| 11) Tert butyl alcohol         | 4.72  | 59   | 725      | 1.818   | ug/l # | 83     |
| 13) Acrolein                   | 3.59  | 56   | 421      | 1.068   | ug/l # | 51     |
| 16) Acetone                    | 3.78  | 43   | 12756    | 10.974  | ug/l   | 98     |
| 18) Methyl Acetate             | 4.30  | 43   | 2822     | 1.292   | ug/l # | 84     |
| 20) Methylene Chloride         | 4.52  | 84   | 8405     | 3.625   | ug/l   | 97     |
| 25) 2-Butanone                 | 6.80  | 43   | 5991     | 4.098   | ug/l   | 98     |
| 31) Cyclohexane                | 7.64  | 56   | 5108     | 1.355   | ug/l # | 13     |
| 36) 1,1-Dichloropropene        | 7.64  | 75   | 16771    | 5.165   | ug/l # | 49     |
| 37) Ethyl Acetate              | 6.80  | 43   | 5991     | 2.042   | ug/l # | 68     |
| 38) Carbon Tetrachloride       | 7.64  | 117  | 21021    | 5.961   | ug/l # | 16     |
| 43) Isopropyl Acetate          | 8.14  | 43   | 59421    | 11.846  | ug/l # | 91     |
| 45) 1,2-Dichloropropane        | 9.25  | 63   | 1113     | 0.467   | ug/l # | 43     |
| 48) Methyl methacrylate        | 9.16  | 41   | 3862     | 1.716   | ug/l # | 9      |
| 49) 1,4-Dioxane                | 9.18  | 88   | 829      | 21.559  | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 4101     | 1.412   | ug/l   | 95     |
| 52) Toluene                    | 10.15 | 92   | 2969     | 0.481   | ug/l # | 69     |
| 54) cis-1,3-Dichloropropene    | 9.89  | 75   | 26824    | 6.588   | ug/l # | 60     |
| 57) 1,3-Dichloropropane        | 10.75 | 76   | 4514     | 1.135   | ug/l # | 43     |
| 59) 2-Hexanone                 | 10.75 | 43   | 76101    | 33.931  | ug/l # | 50     |
| 68) m/p-Xylenes                | 11.62 | 106  | 1139     | 0.247   | ug/l # | 26     |
| 74) N-amyl acetate             | 12.02 | 43   | 5223     | 1.125   | ug/l # | 45     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 87017    | 26.369  | ug/l # | 100    |
| 77) Bromobenzene               | 12.54 | 156  | 39312    | 12.298  | ug/l # | 1      |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 87017    | 64.563  | ug/l # | 13     |
| 92) 1,2-Dibromo-3-Chloropropan | 14.34 | 75   | 628187   | 808.602 | ug/l # | 6      |
| 95) Naphthalene                | 15.13 | 128  | 19814    | 2.254   | ug/l # | 95     |

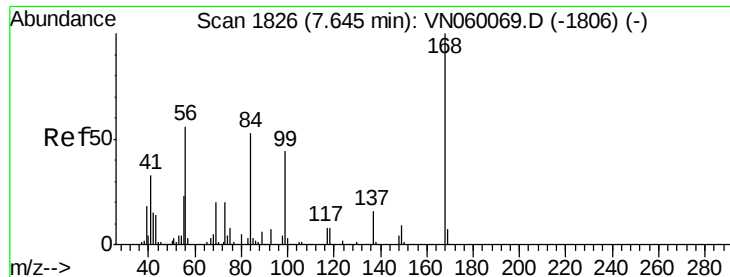
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022520\  
Data File : VN060238.D  
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Operator : JC/MD  
Sample : L1367-08  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Feb 25 22:21:19 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 12 14:12:21 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060238.D

Acq: 25 Feb 2020 16:44

Instrument :

MSVOA\_N

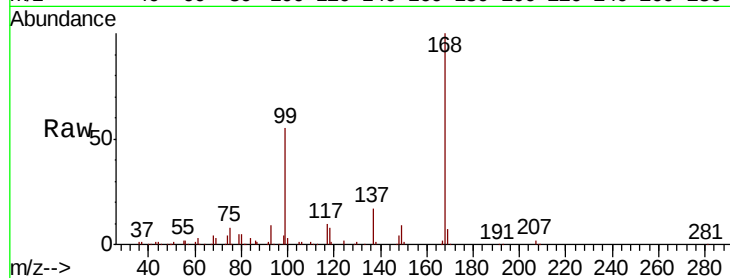
ClientSampled :

Tot Ion:168 Resp: 218988

Ion Ratio Lower Upper

168 100

99 55.2 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): VN060069.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN060069.D (-1806) (-)

7.64

100000

80000

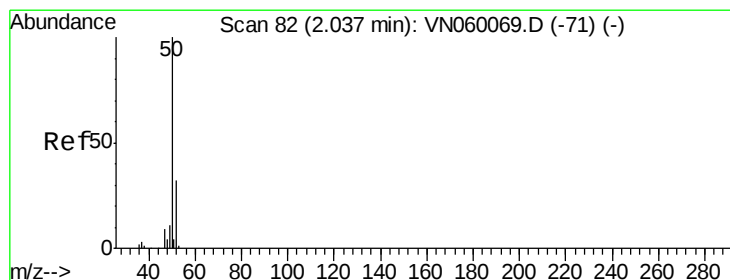
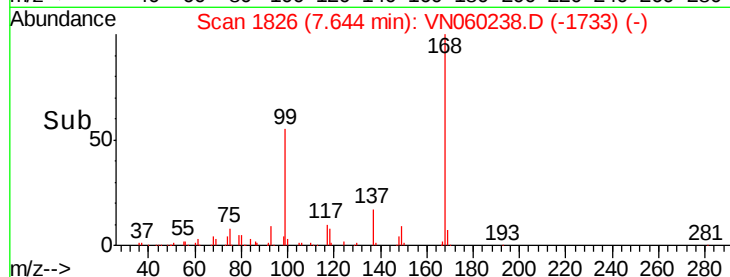
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.406 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN060238.D

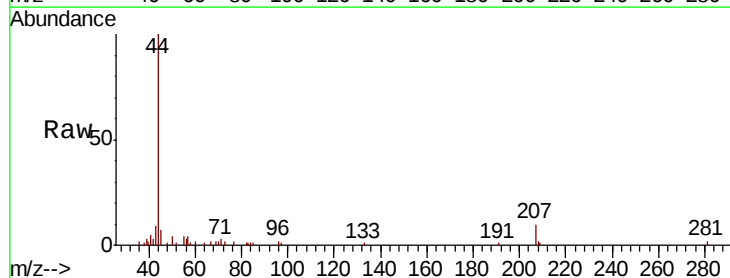
Acq: 25 Feb 2020 16:44

Tgt Ion: 50 Resp: 1057

Ion Ratio Lower Upper

50 100

52 39.4 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VN060069.D (-71) (-)

Ion 51.90 (51.60 to 52.60): VN060069.D (-71) (-)

2.04

800

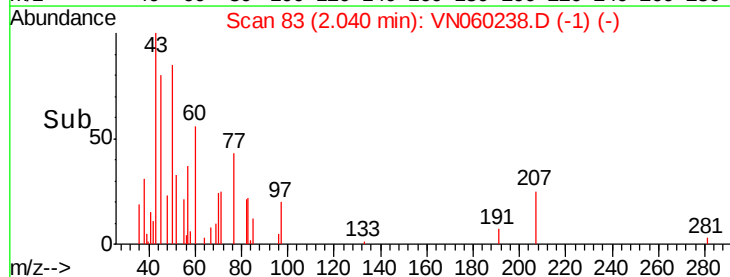
600

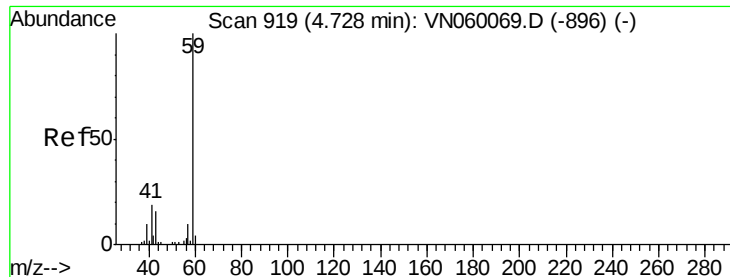
400

200

0

Time-->

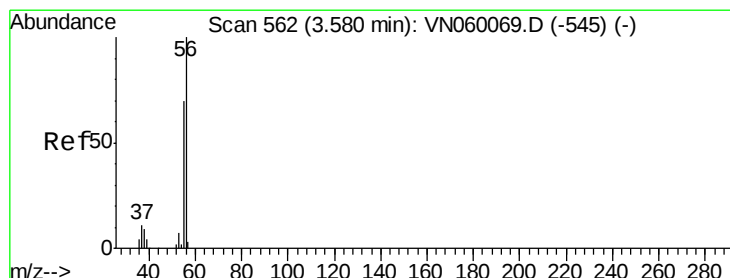
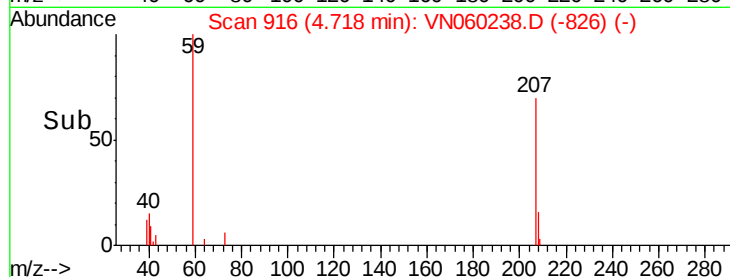
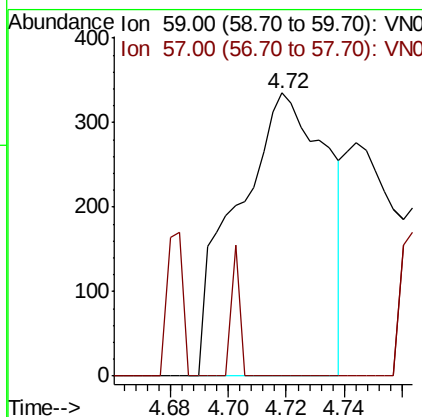
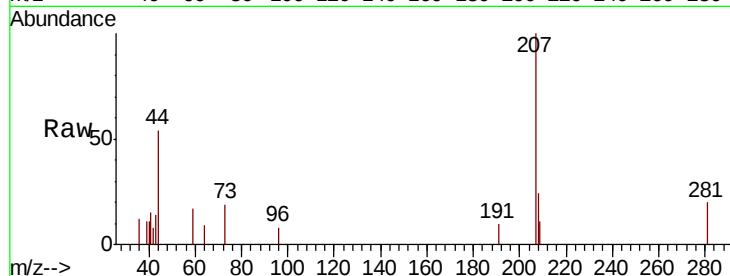




#11  
Tert butyl alcohol  
Concen: 1.818 ug/l  
RT: 4.72 min Scan# 916  
Delta R.T. -0.01 min  
Lab File: VN060238.D  
Acq: 25 Feb 2020 16:44

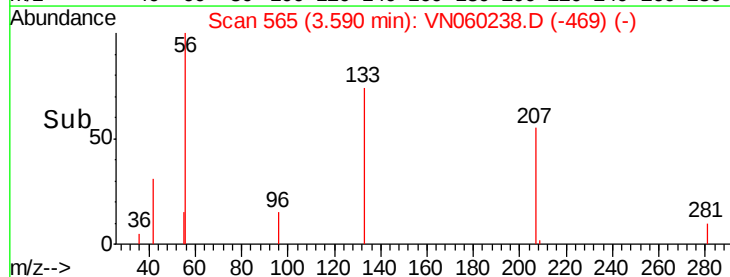
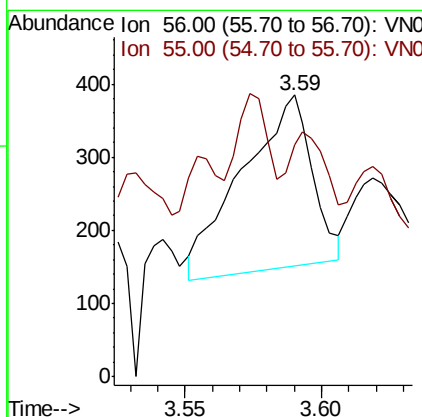
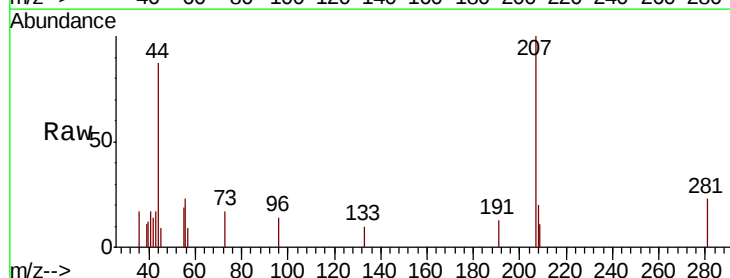
Instrument :  
MSVOA\_N  
ClientSampled :

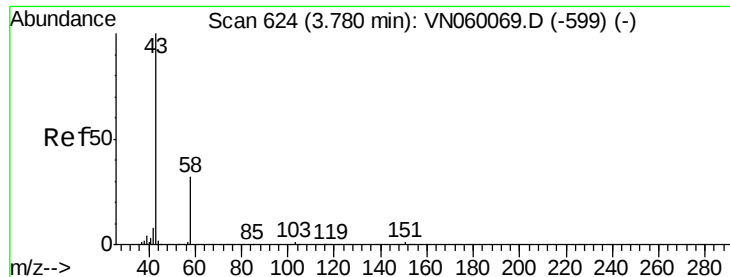
Tot Ion: 59 Resp: 725  
Ion Ratio Lower Upper  
59 100  
57 4.1 8.2 12.4#



#13  
Acrolein  
Concen: 1.068 ug/l  
RT: 3.59 min Scan# 565  
Delta R.T. 0.01 min  
Lab File: VN060238.D  
Acq: 25 Feb 2020 16:44

Tgt Ion: 56 Resp: 421  
Ion Ratio Lower Upper  
56 100  
55 28.7 54.8 82.2#





#16

Acetone

Concen: 10.974 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060238.D

Acq: 25 Feb 2020 16:44

Instrument :

MSVOA\_N

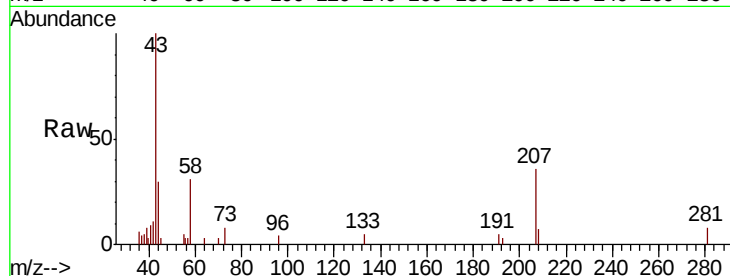
ClientSampled :

Tot Ion: 43 Resp: 12756

Ion Ratio Lower Upper

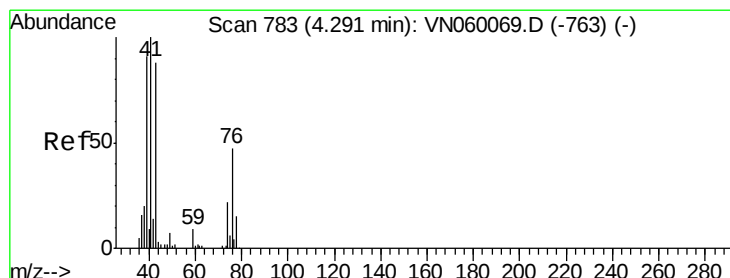
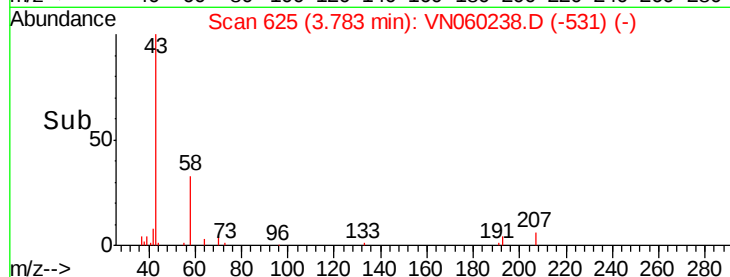
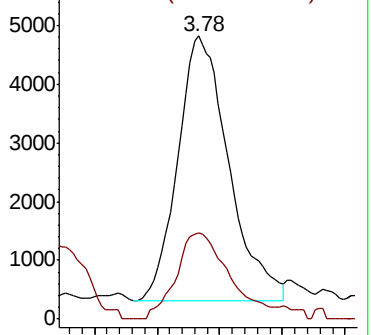
43 100

58 32.7 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN060069.D (-599) (-)



#18

Methyl Acetate

Concen: 1.292 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.01 min

Lab File: VN060238.D

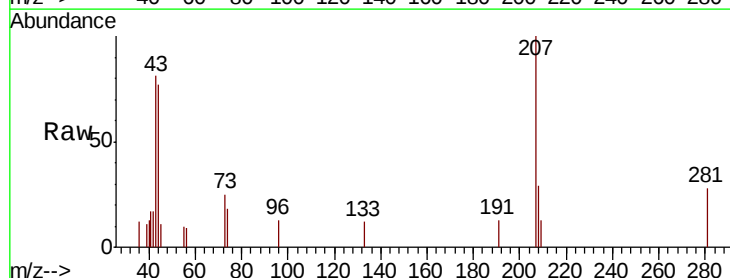
Acq: 25 Feb 2020 16:44

Tgt Ion: 43 Resp: 2822

Ion Ratio Lower Upper

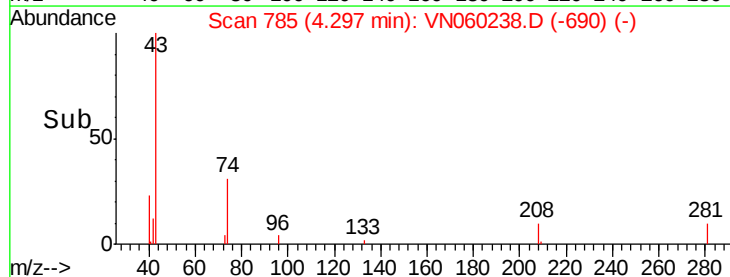
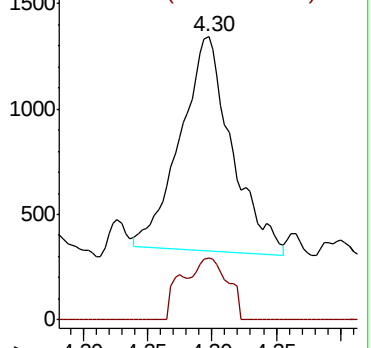
43 100

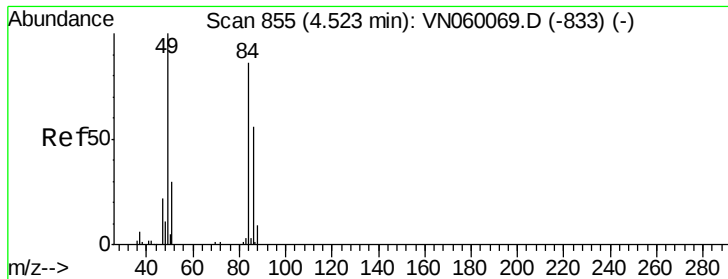
74 17.4 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-763) (-)

Ion 74.00 (73.70 to 74.70): VN060069.D (-763) (-)

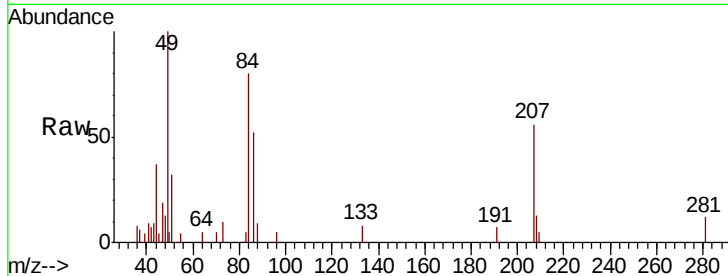




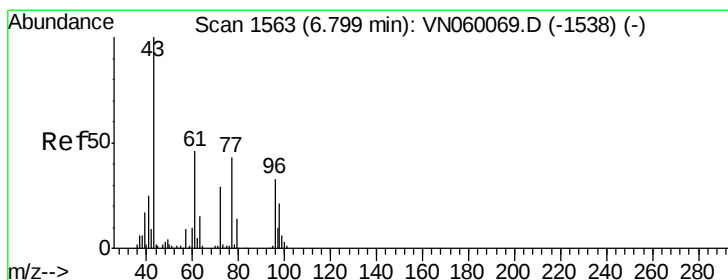
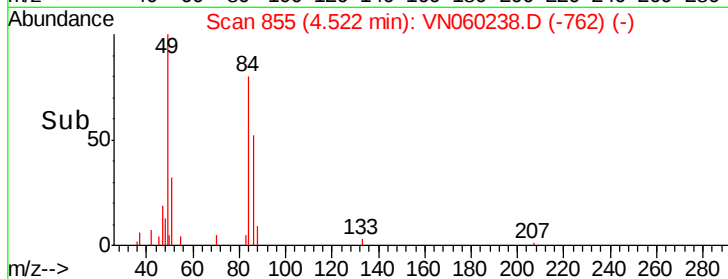
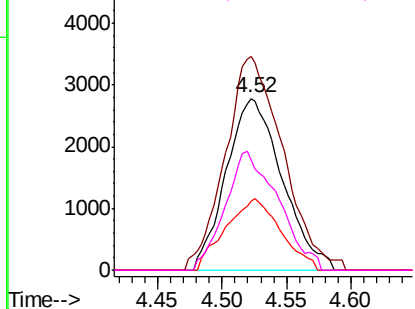
#20  
Methvlene Chloride  
Concen: 3.625 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. -0.00 min  
Lab File: VN060238.D  
Acq: 25 Feb 2020 16:44

Instrument :  
MSVOA\_N  
ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 8405  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 118.5 | 93.4  | 140.0 |
| 51       | 40.0  | 28.4  | 42.6  |
| 86       | 64.1  | 52.5  | 78.7  |

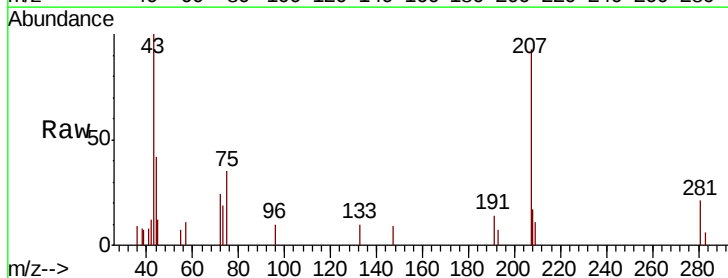


Abundance Ion 83.90 (83.60 to 84.60): VN0  
Ion 48.90 (48.60 to 49.60): VN0  
Ion 50.90 (50.60 to 51.60): VN0  
Ion 85.90 (85.60 to 86.60): VN0

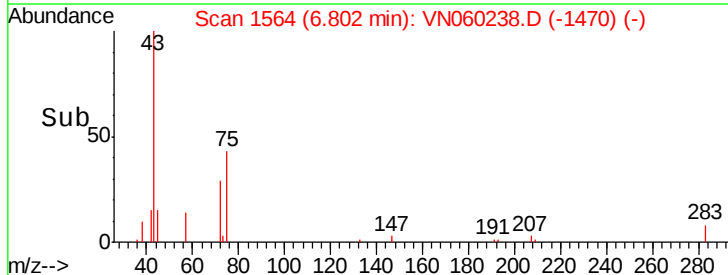
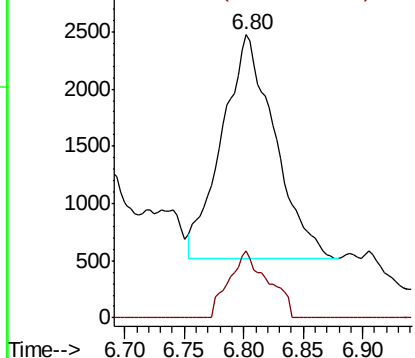


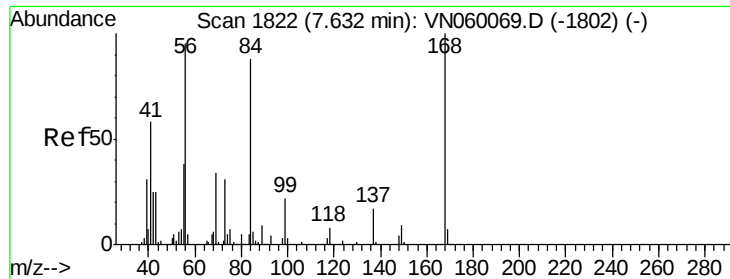
#25  
2-Butanone  
Concen: 4.098 ug/l  
RT: 6.80 min Scan# 1564  
Delta R.T. 0.00 min  
Lab File: VN060238.D  
Acq: 25 Feb 2020 16:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 5991  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 29.9  | 23.3  | 34.9  |



Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 72.00 (71.70 to 72.70): VN0

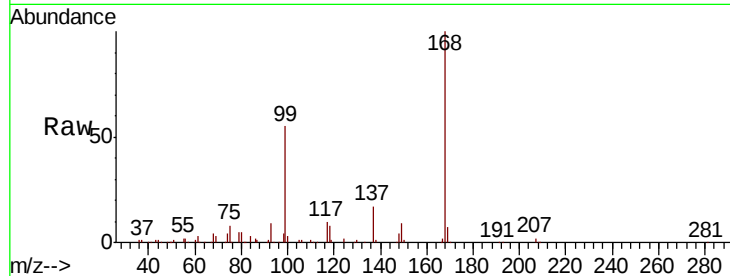




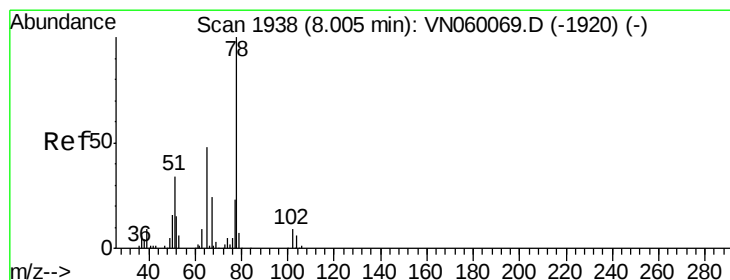
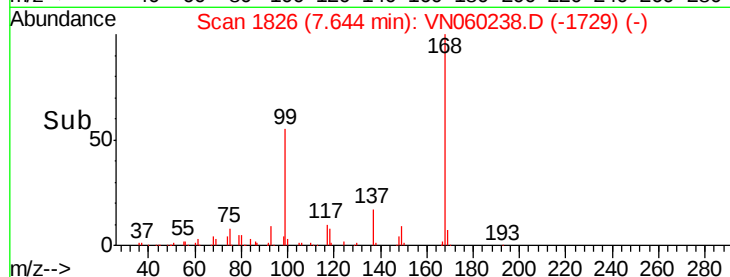
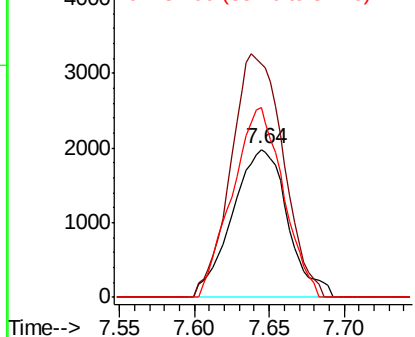
#31  
Cyclohexane  
Concen: 1.355 ug/l  
RT: 7.64 min Scan# 1826  
Delta R.T. 0.01 min  
Lab File: VN060238.D  
Acq: 25 Feb 2020 16:44

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 56 Resp: 5108  
Ion Ratio Lower Upper  
56 100  
69 157.8 28.3 42.5#  
84 128.2 72.6 108.8#

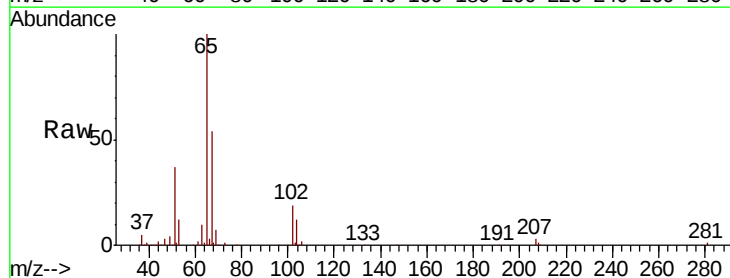


Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0

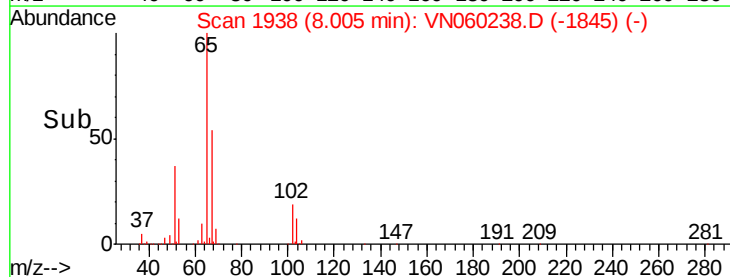
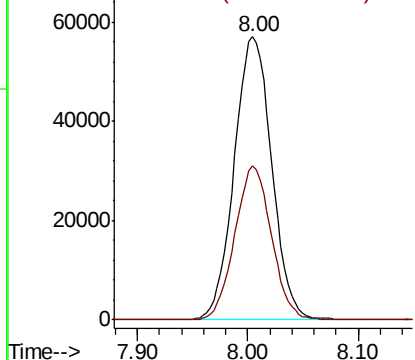


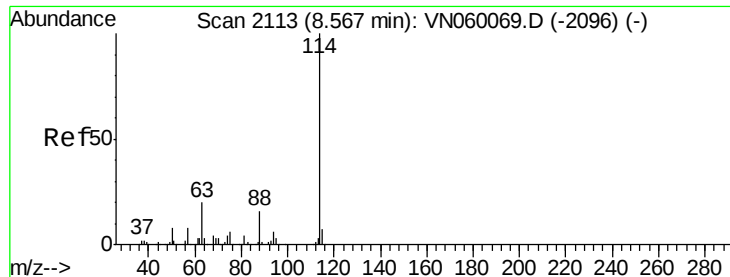
#33  
1,2-Dichloroethane-d4  
Concen: 50.509 ug/l  
RT: 8.00 min Scan# 1938  
Delta R.T. -0.00 min  
Lab File: VN060238.D  
Acq: 25 Feb 2020 16:44

Tgt Ion: 65 Resp: 134591  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 104.0



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

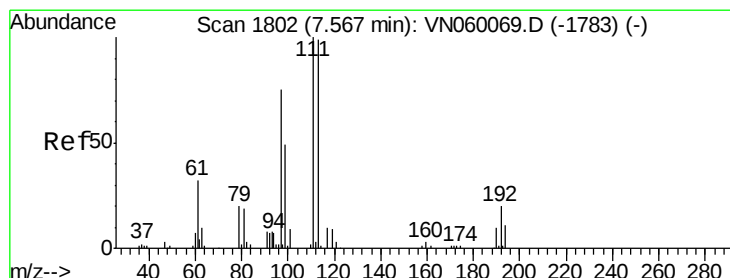
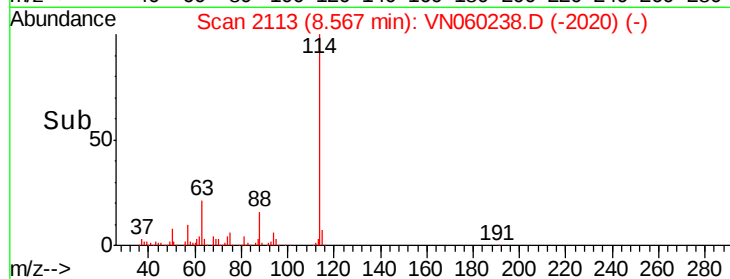
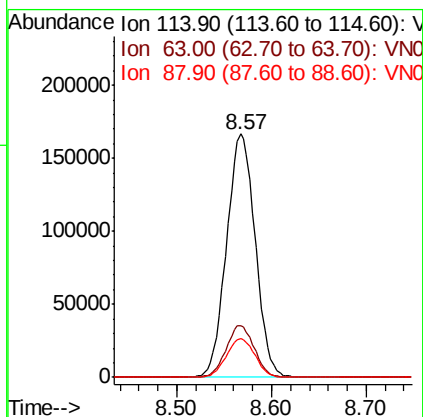
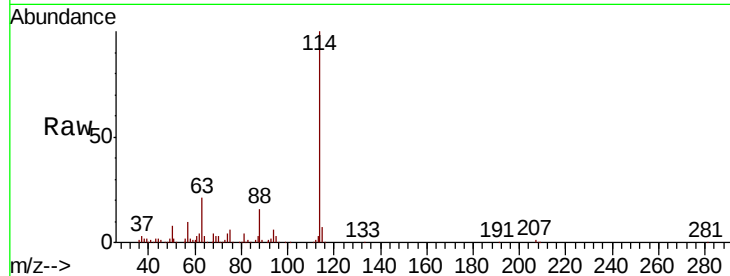




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. -0.00 min  
 Lab File: VN060238.D  
 Acq: 25 Feb 2020 16:44

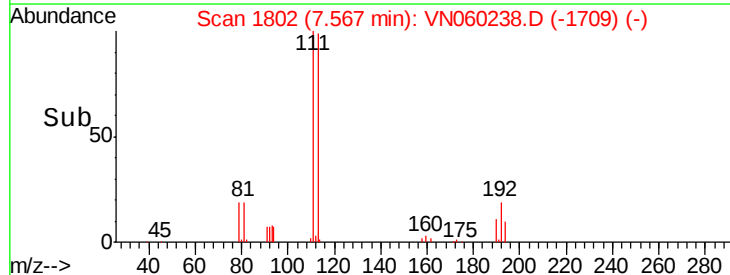
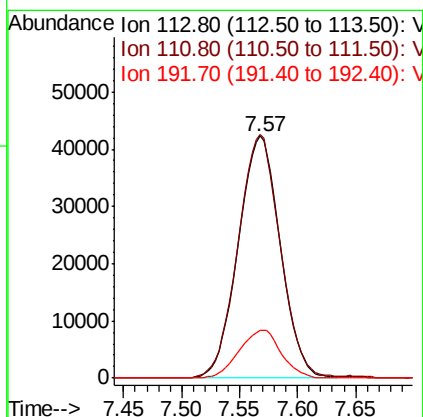
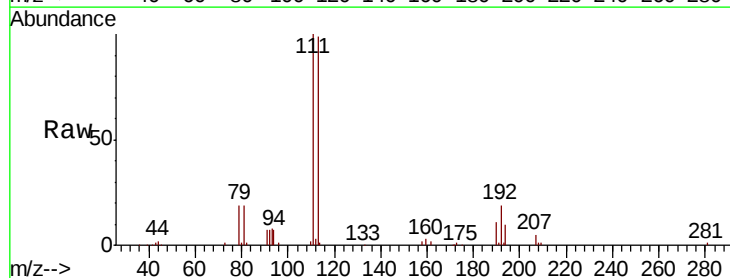
Instrument :  
 MSVOA\_N  
 ClientSampleId :

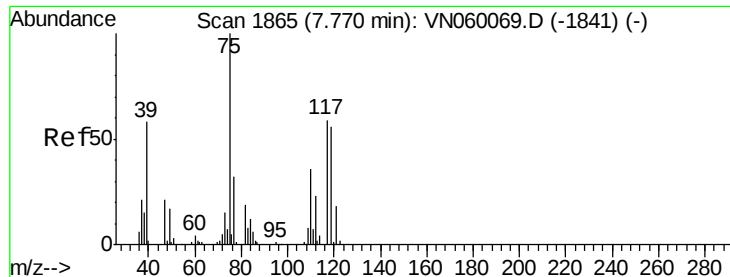
Tot Ion:114 Resp: 350537  
 Ion Ratio Lower Upper  
 114 100  
 63 21.3 0.0 40.0  
 88 15.9 0.0 31.6



#35  
 Dibromofluoromethane  
 Concen: 49.476 ug/l  
 RT: 7.57 min Scan# 1802  
 Delta R.T. -0.00 min  
 Lab File: VN060238.D  
 Acq: 25 Feb 2020 16:44

Tgt Ion:113 Resp: 106609  
 Ion Ratio Lower Upper  
 113 100  
 111 100.7 81.4 122.2  
 192 19.7 16.2 24.2





#36

1,1-Dichloropropene

Concen: 5.165 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN060238.D

Acq: 25 Feb 2020 16:44

Instrument :

MSVOA\_N

ClientSampled :

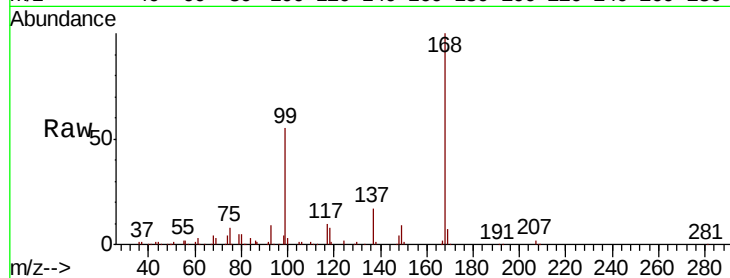
Tot Ion: 75 Resp: 16771

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.3#

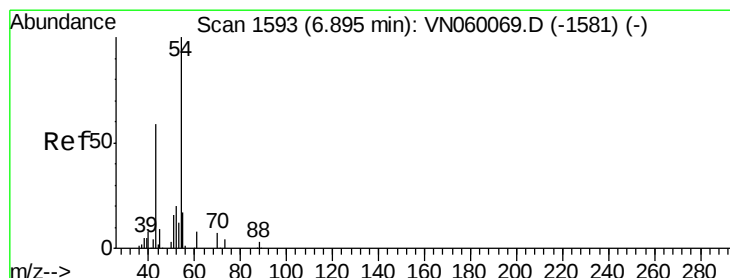
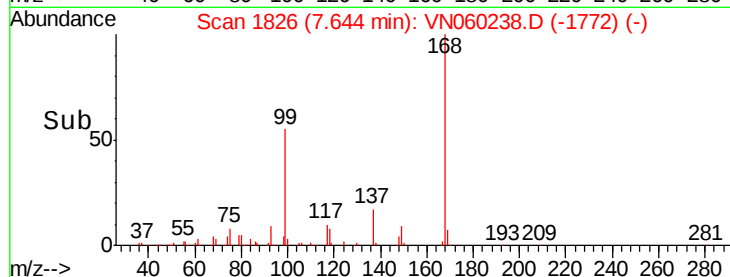
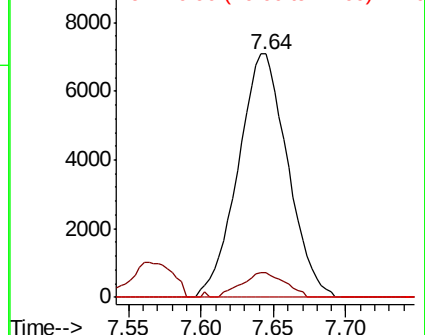
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN060238.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060238.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060238.D (-1772) (-)



#37

Ethyl Acetate

Concen: 2.042 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.09 min

Lab File: VN060238.D

Acq: 25 Feb 2020 16:44

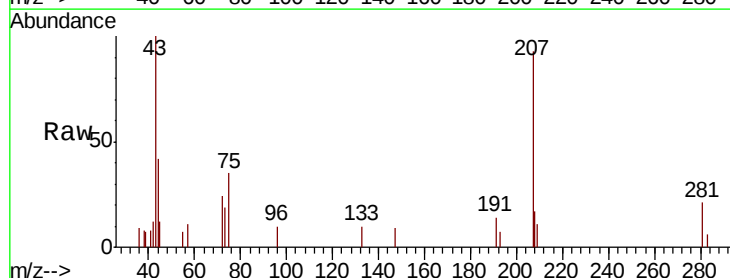
Tgt Ion: 43 Resp: 5991

Ion Ratio Lower Upper

43 100

61 0.0 11.4 17.2#

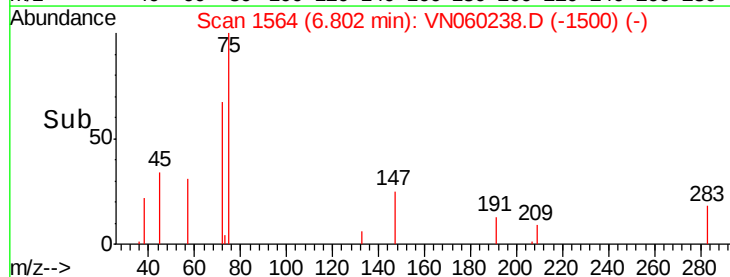
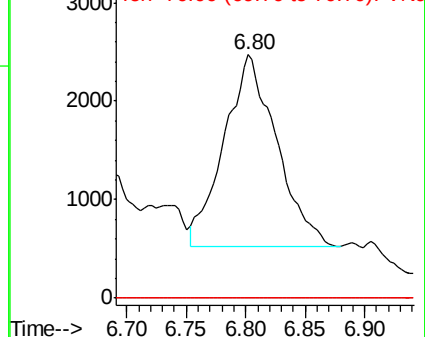
70 0.0 8.7 13.1#

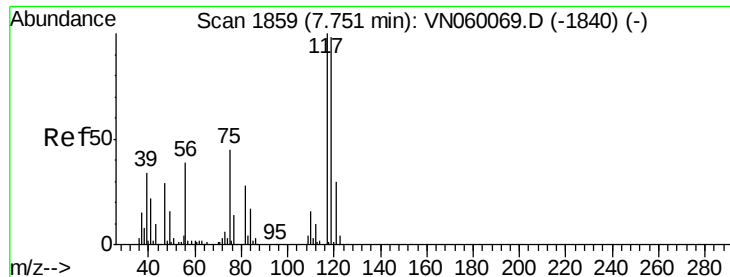


Abundance Ion 43.00 (42.70 to 43.70): VN060238.D (-1500) (-)

Ion 60.90 (60.60 to 61.60): VN060238.D (-1500) (-)

Ion 70.00 (69.70 to 70.70): VN060238.D (-1500) (-)





#38

Carbon Tetrachloride

Concen: 5.961 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060238.D

Acq: 25 Feb 2020 16:44

Instrument :

MSVOA\_N

ClientSampled :

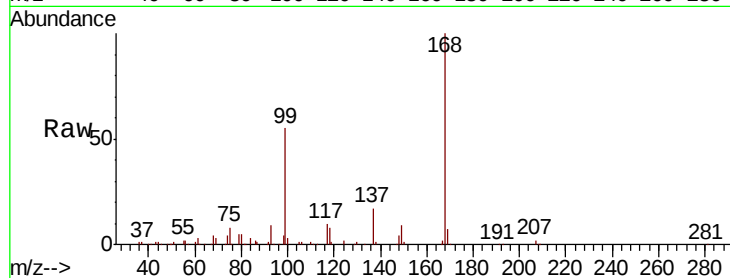
Tot Ion:117 Resp: 21021

Ion Ratio Lower Upper

117 100

119 5.9 78.2 117.4#

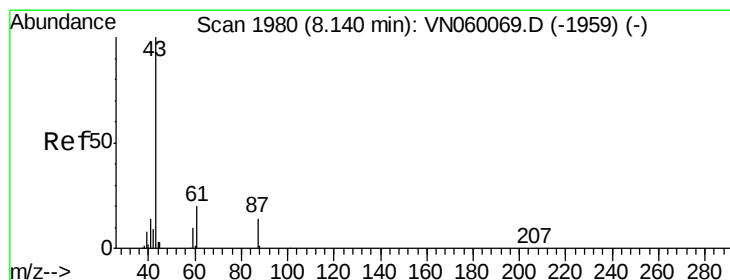
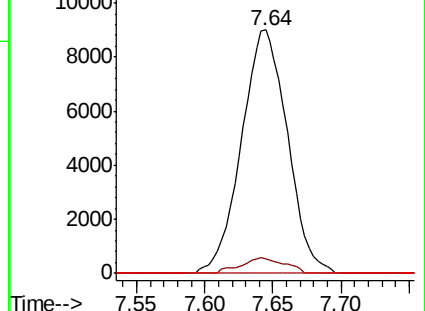
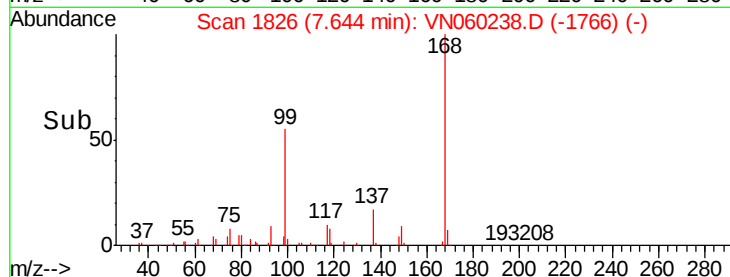
121 0.0 24.2 36.2#



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



#43

Isopropyl Acetate

Concen: 11.846 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060238.D

Acq: 25 Feb 2020 16:44

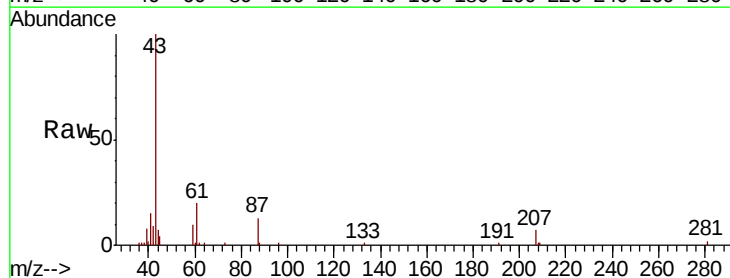
Tgt Ion: 43 Resp: 59421

Ion Ratio Lower Upper

43 100

61 20.5 21.8 32.6#

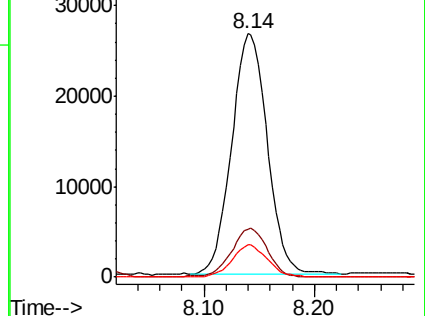
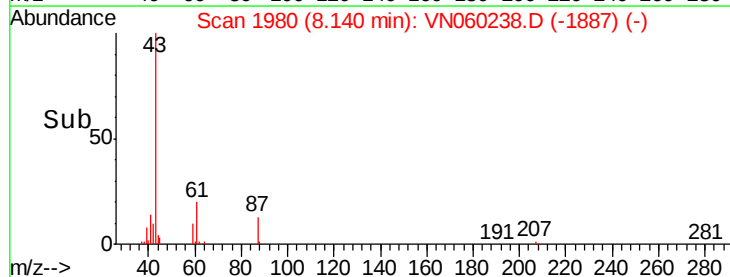
87 13.3 11.4 17.2

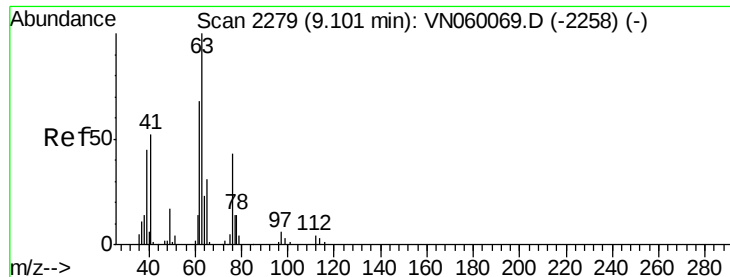


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#45

1,2-Dichloropropane

Concen: 0.467 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN060238.D

Acq: 25 Feb 2020 16:44

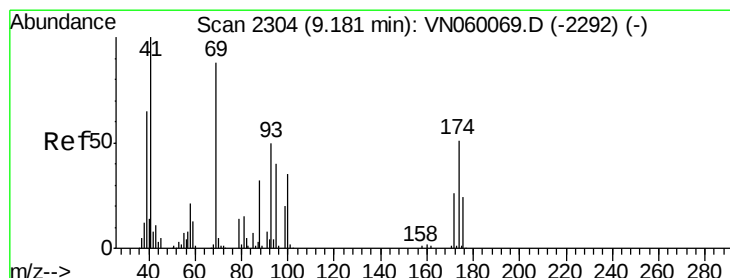
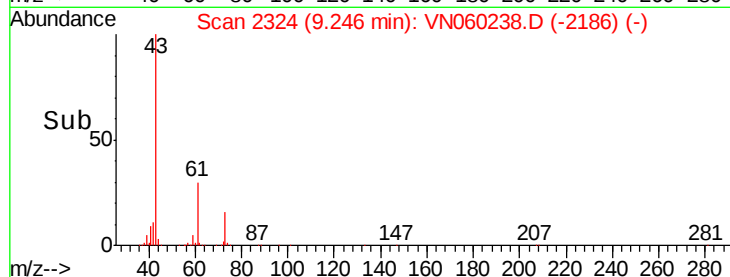
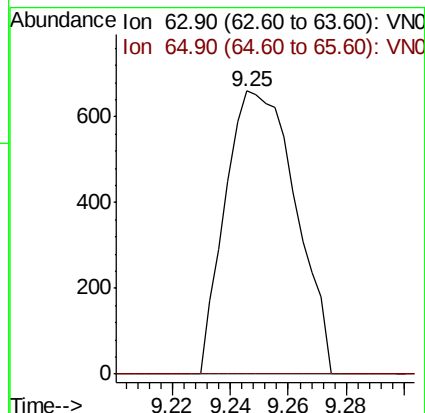
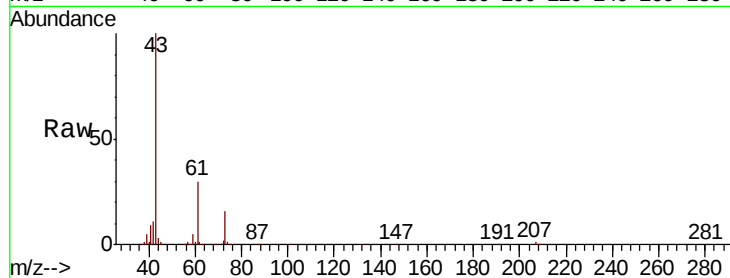
Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion: 63 Resp: 1113

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.4#



#48

Methyl methacrylate

Concen: 1.716 ug/l

RT: 9.16 min Scan# 2296

Delta R.T. -0.03 min

Lab File: VN060238.D

Acq: 25 Feb 2020 16:44

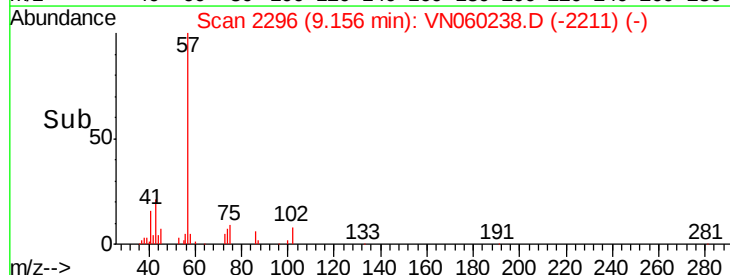
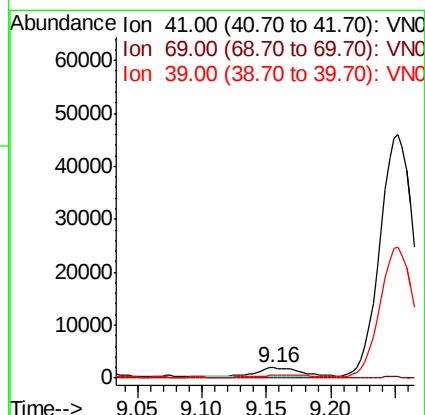
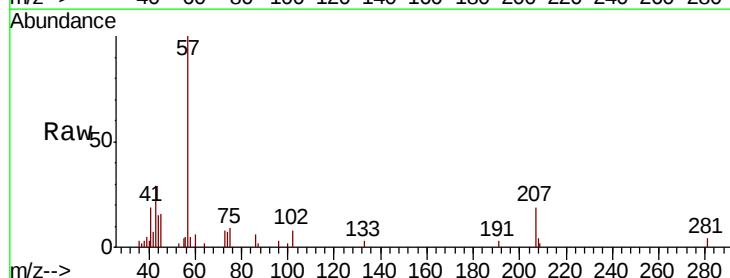
Tgt Ion: 41 Resp: 3862

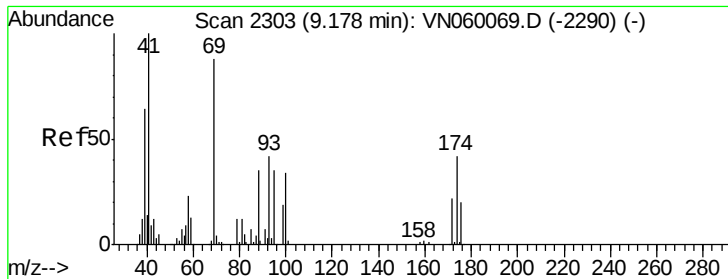
Ion Ratio Lower Upper

41 100

69 0.0 72.0 108.0#

39 0.0 54.1 81.1#





#49

1,4-Dioxane

Concen: 21.559 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060238.D

Acq: 25 Feb 2020 16:44

Instrument :  
MSVOA\_N  
ClientSampleId :

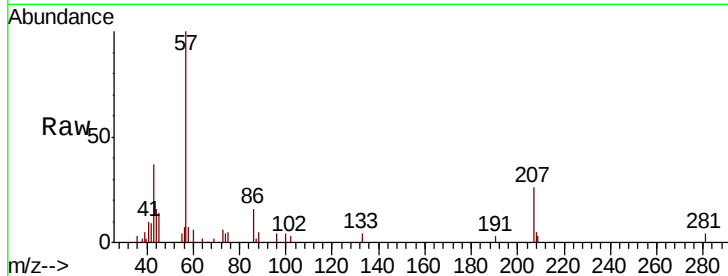
Tot Ion: 88 Resp: 829

Ion Ratio Lower Upper

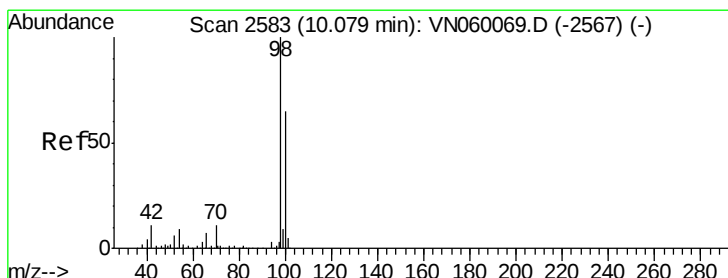
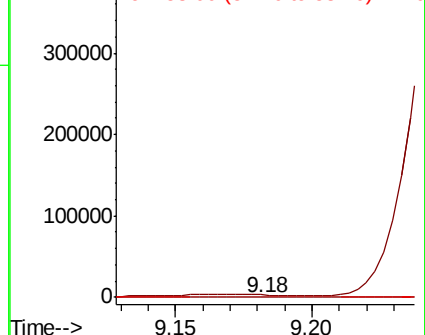
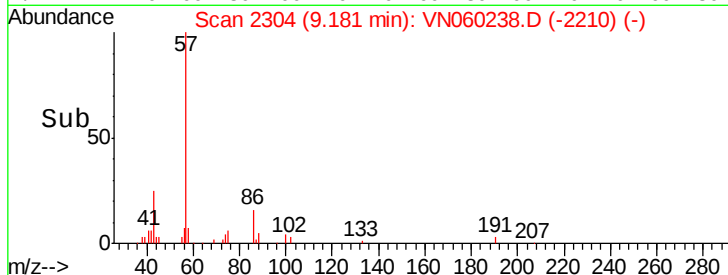
88 100

43 0.0 26.2 39.2#

58 261.4 53.2 79.8#



Abundance Ion 88.00 (87.70 to 88.70): VN0  
Ion 43.00 (42.70 to 43.70): VN0  
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.756 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060238.D

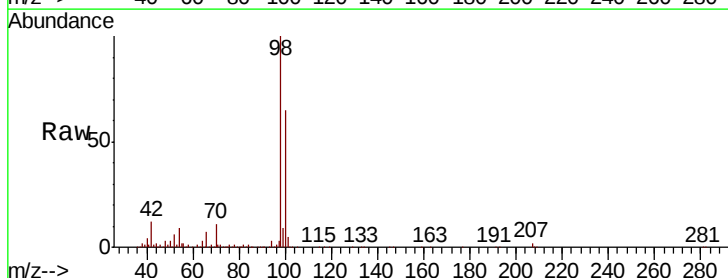
Acq: 25 Feb 2020 16:44

Tgt Ion: 98 Resp: 430678

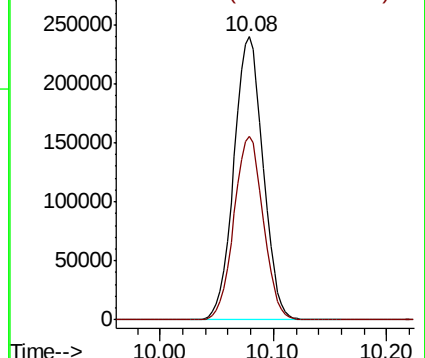
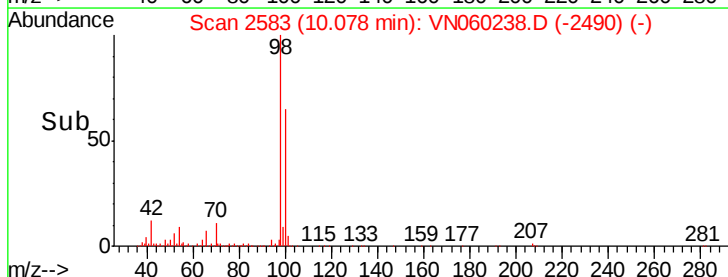
Ion Ratio Lower Upper

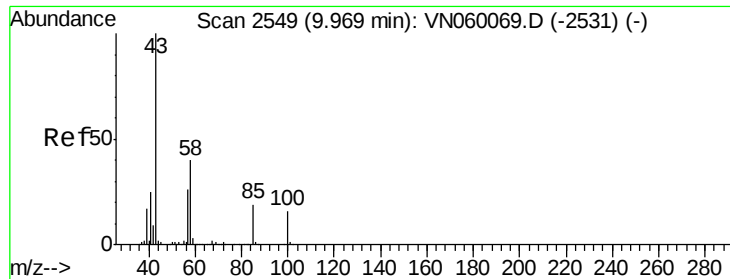
98 100

100 65.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0  
Ion 100.00 (99.70 to 100.70): VN0

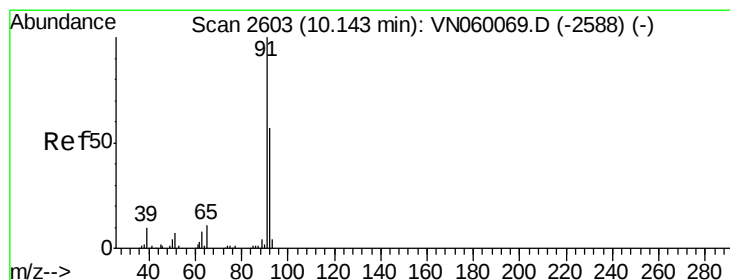
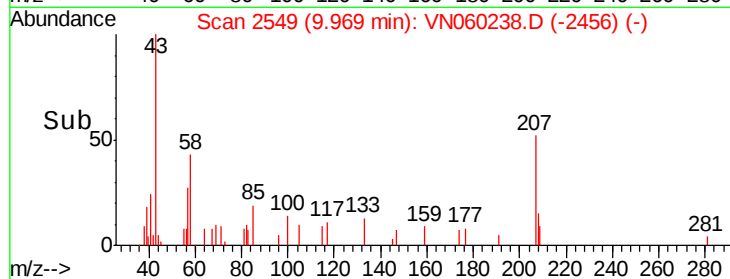
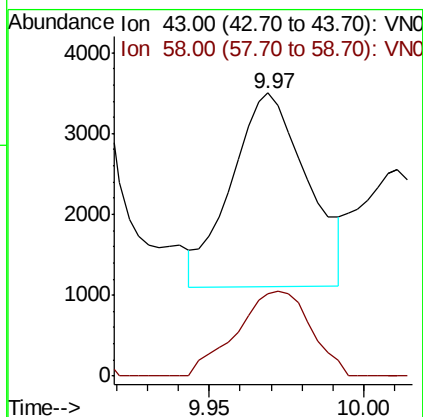
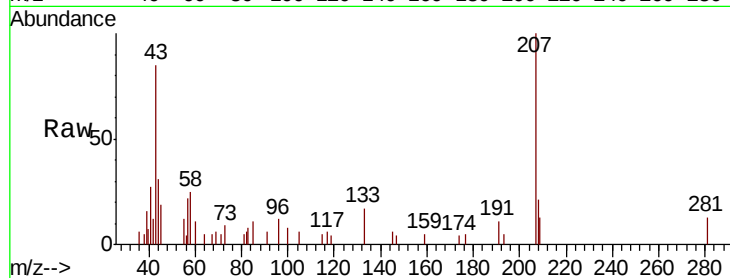




#51  
 4-Methyl-2-Pentanone  
 Concen: 1.412 ug/l  
 RT: 9.97 min Scan# 2549  
 Delta R.T. -0.00 min  
 Lab File: VN060238.D  
 Acq: 25 Feb 2020 16:44

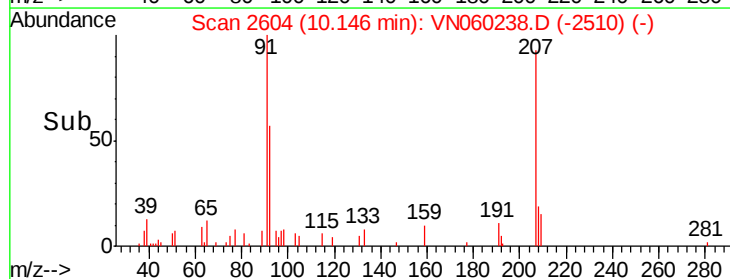
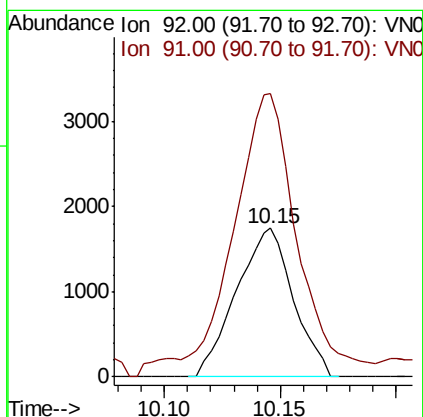
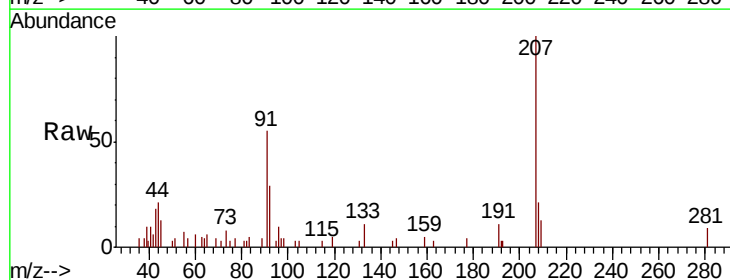
Instrument :  
 MSVOA\_N  
 ClientSampleID :

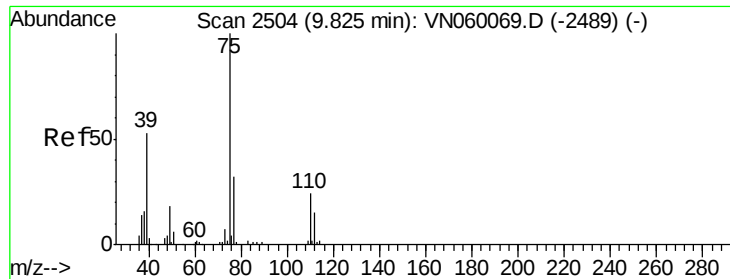
Tot Ion: 43 Resp: 4101  
 Ion Ratio Lower Upper  
 43 100  
 58 42.6 31.8 47.8



#52  
 Toluene  
 Concen: 0.481 ug/l  
 RT: 10.15 min Scan# 2604  
 Delta R.T. 0.00 min  
 Lab File: VN060238.D  
 Acq: 25 Feb 2020 16:44

Tgt Ion: 92 Resp: 2969  
 Ion Ratio Lower Upper  
 92 100  
 91 219.6 140.9 211.3#





#54

cis-1,3-Dichloropropene

Concen: 6.588 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN060238.D

Acq: 25 Feb 2020 16:44

Instrument :

MSVOA\_N

ClientSampleId :

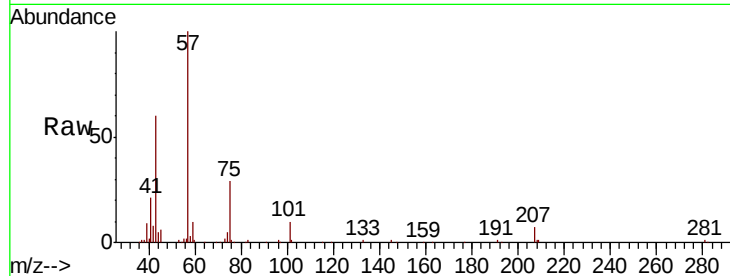
Tot Ion: 75 Resp: 26824

Ion Ratio Lower Upper

75 100

77 1.1 25.6 38.4#

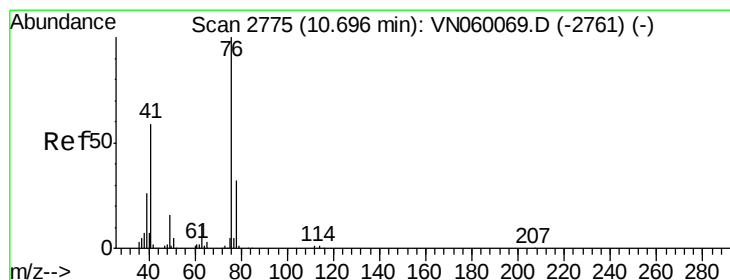
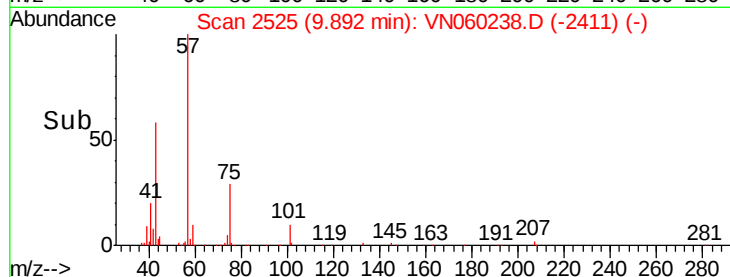
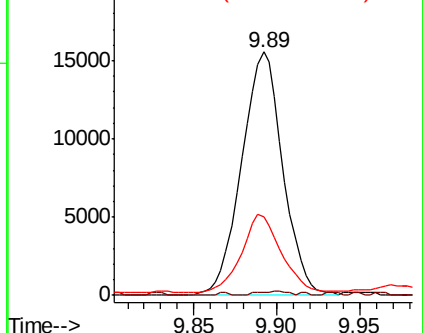
39 30.9 42.2 63.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.135 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060238.D

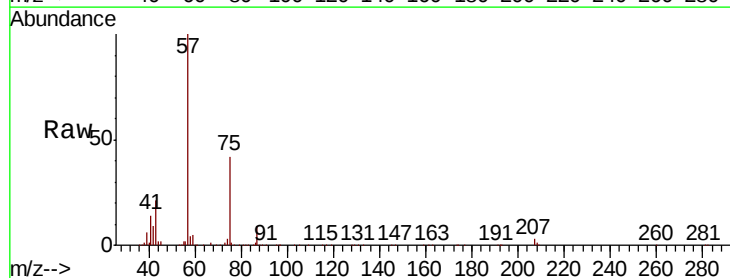
Acq: 25 Feb 2020 16:44

Tgt Ion: 76 Resp: 4514

Ion Ratio Lower Upper

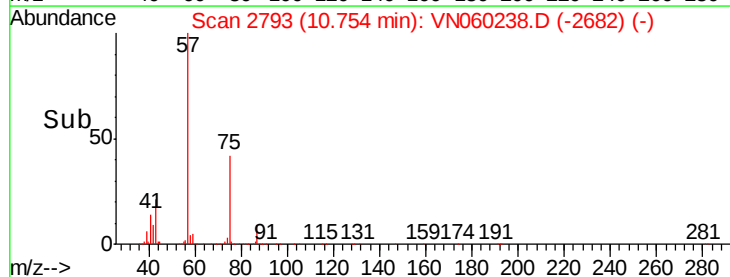
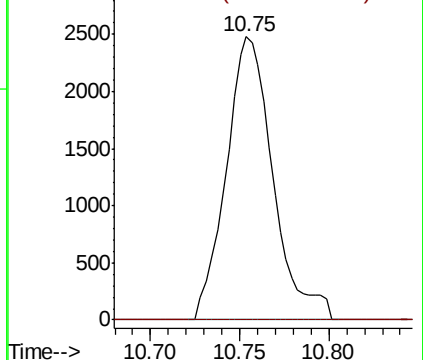
76 100

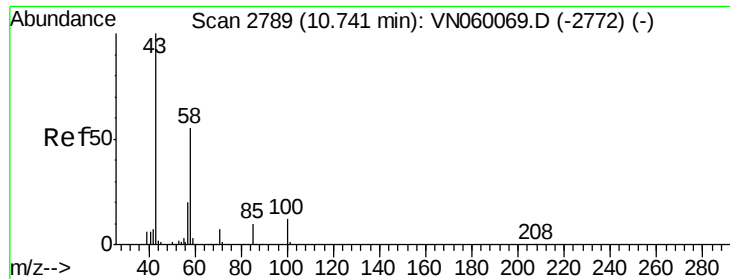
78 0.0 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

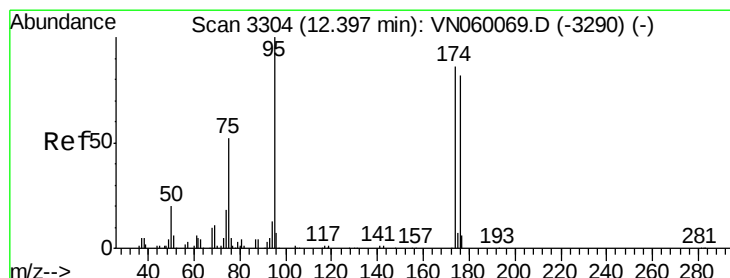
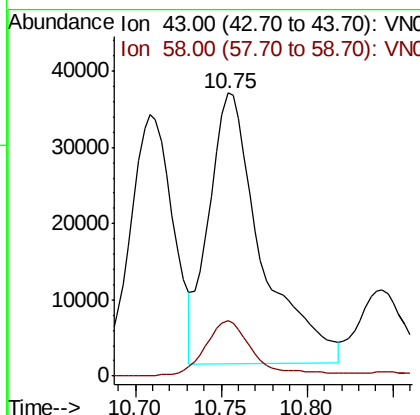
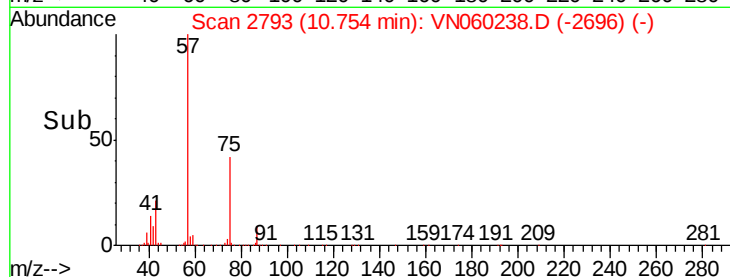
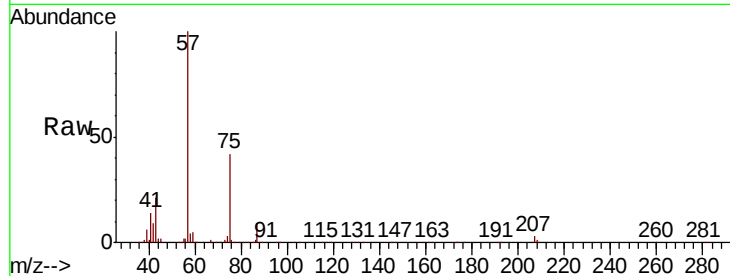




#59  
2-Hexanone  
Concen: 33.931 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.01 min  
Lab File: VN060238.D  
Acq: 25 Feb 2020 16:44

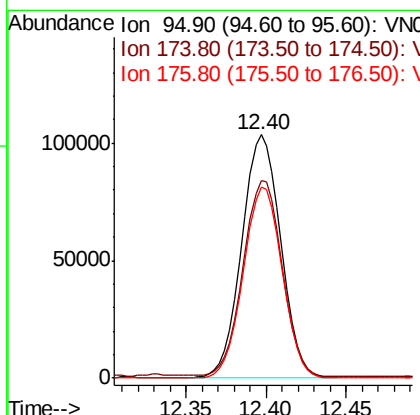
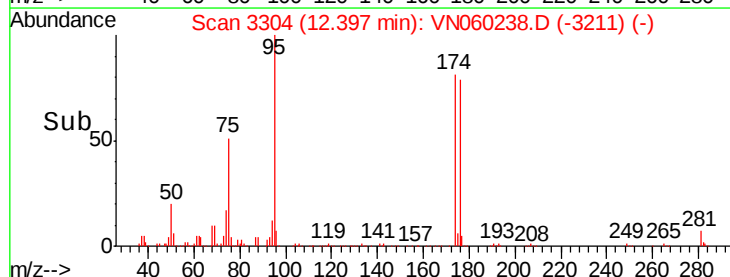
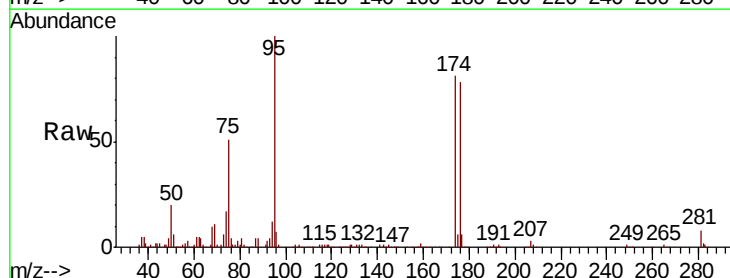
Instrument :  
MSVOA\_N  
ClientSampled :

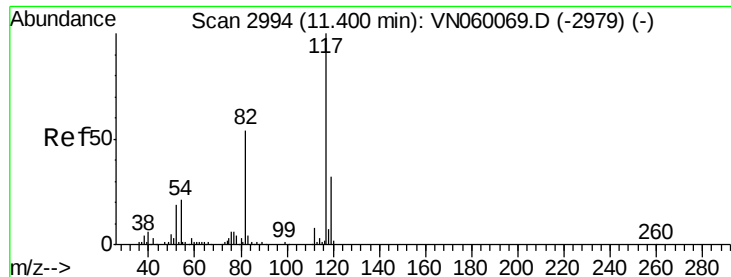
Tot Ion: 43 Resp: 76101  
Ion Ratio Lower Upper  
43 100  
58 18.8 27.5 82.4#



#62  
4-Bromofluorobenzene  
Concen: 54.579 ug/l  
RT: 12.40 min Scan# 3304  
Delta R.T. -0.00 min  
Lab File: VN060238.D  
Acq: 25 Feb 2020 16:44

Tgt Ion: 95 Resp: 170175  
Ion Ratio Lower Upper  
95 100  
174 81.8 0.0 169.8  
176 79.1 0.0 164.8

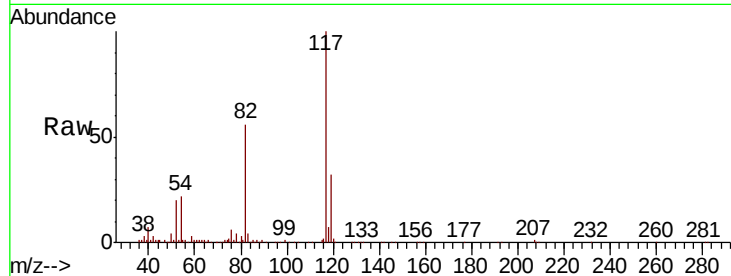




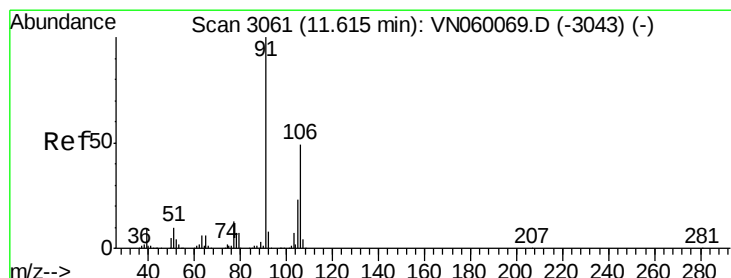
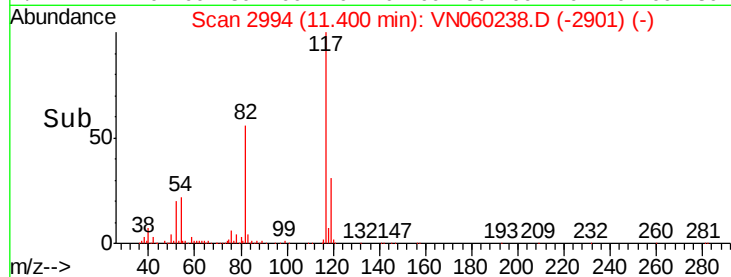
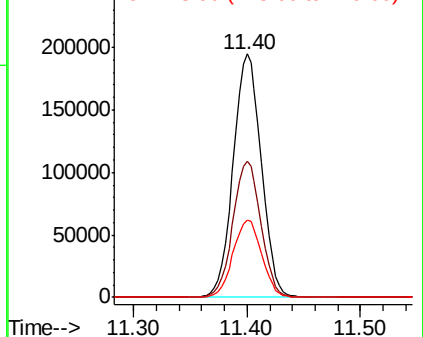
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. -0.00 min  
Lab File: VN060238.D  
Acq: 25 Feb 2020 16:44

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:117 Resp: 334798  
Ion Ratio Lower Upper  
117 100  
82 55.9 43.4 65.0  
119 31.7 25.8 38.6

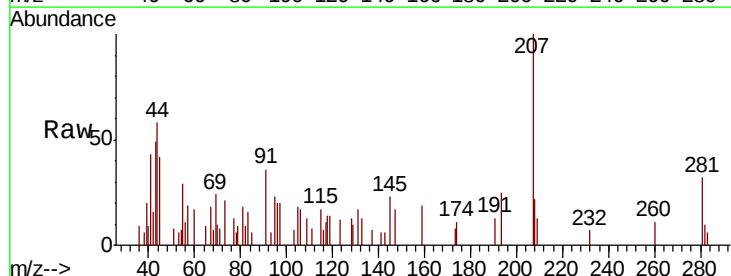


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VN  
Ion 118.90 (118.60 to 119.60): V

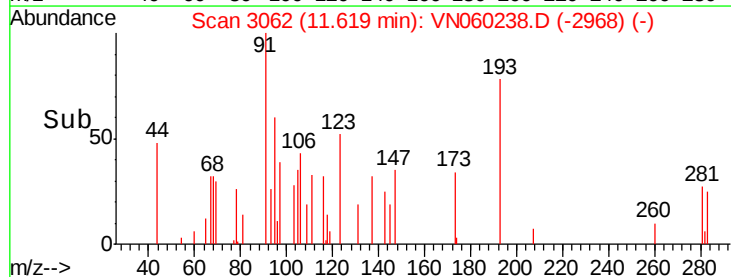
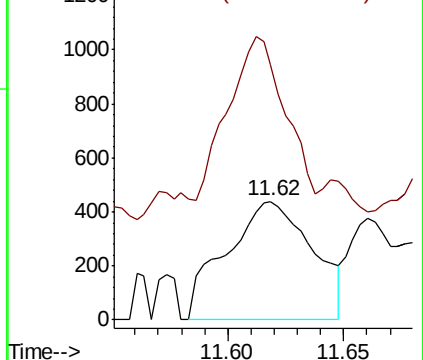


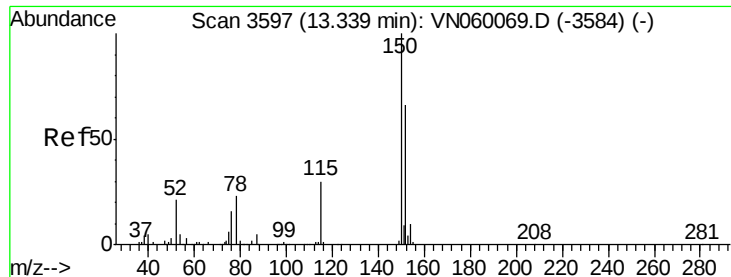
#68  
m/p-Xylenes  
Concen: 0.247 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. 0.00 min  
Lab File: VN060238.D  
Acq: 25 Feb 2020 16:44

Tgt Ion:106 Resp: 1139  
Ion Ratio Lower Upper  
106 100  
91 89.8 162.7 244.1#



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



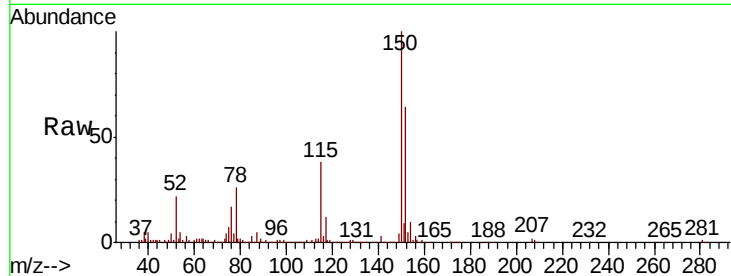


#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3597  
Delta R.T. -0.00 min  
Lab File: VN060238.D  
Acq: 25 Feb 2020 16:44

Instrument :  
MSVOA\_N  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.5  | 28.9  | 86.8  |
| 150     | 155.9 | 0.0   | 342.4 |

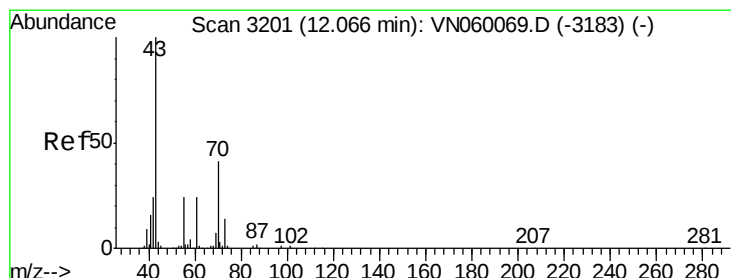
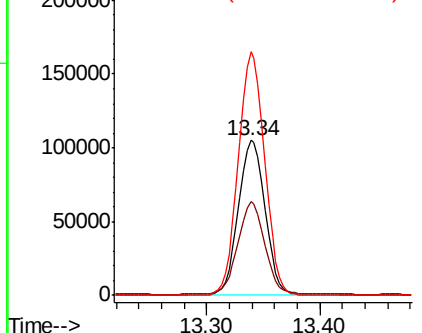
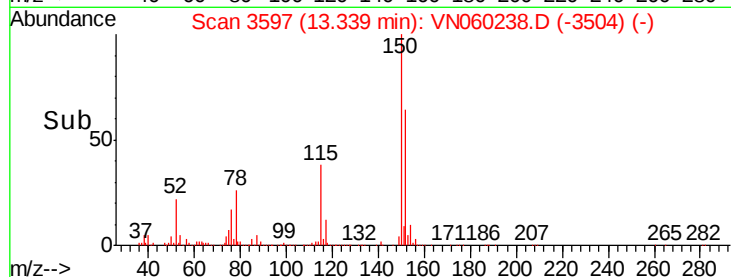


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

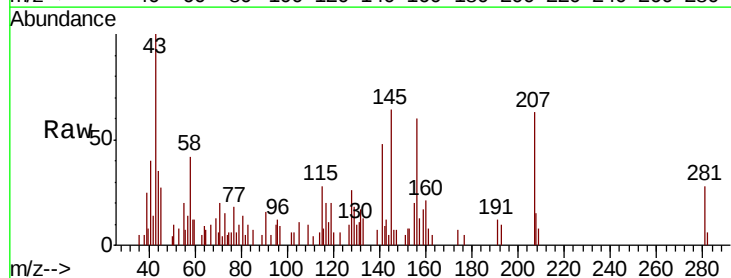
Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate  
Concen: 1.125 ug/l  
RT: 12.02 min Scan# 3188  
Delta R.T. -0.04 min  
Lab File: VN060238.D  
Acq: 25 Feb 2020 16:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 1.0   | 33.4  | 50.0# |
| 55      | 1.7   | 18.8  | 28.2# |
| 61      | 0.0   | 19.2  | 28.8# |



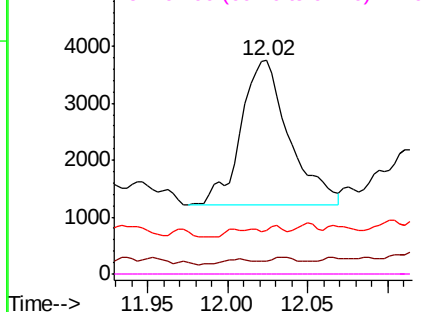
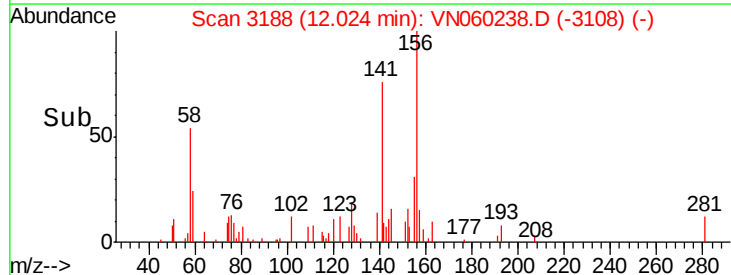
Abundance

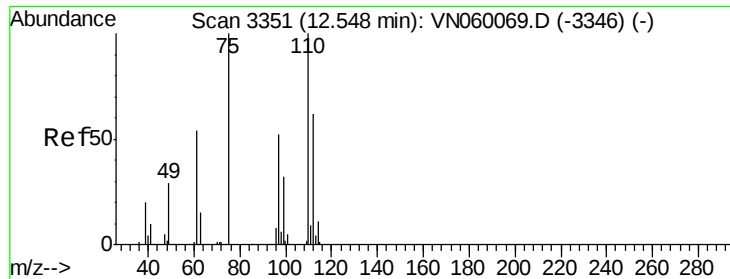
Ion 43.00 (42.70 to 43.70): V

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

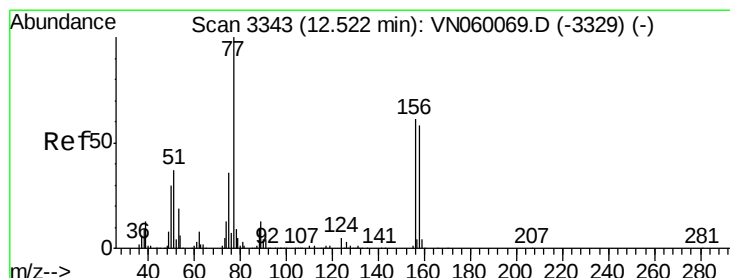
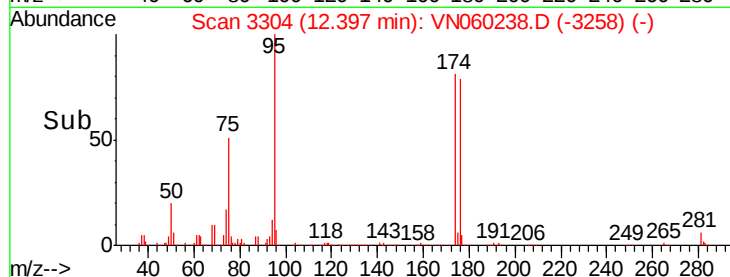
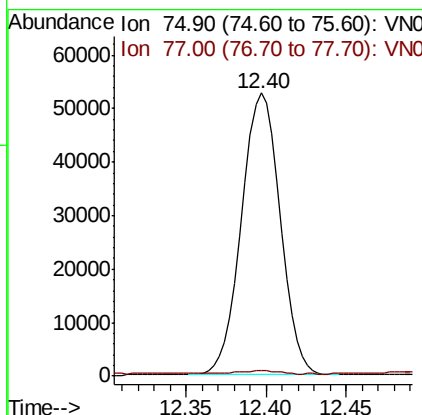
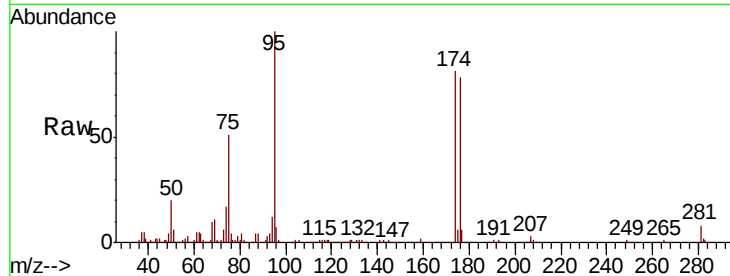




#76  
 1,2,3-Trichloropropane  
 Concen: 26.369 ug/l  
 RT: 12.40 min Scan# 3304  
 Delta R.T. -0.15 min  
 Lab File: VN060238.D  
 Acq: 25 Feb 2020 16:44

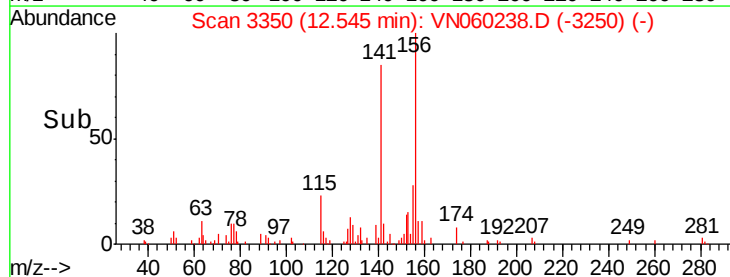
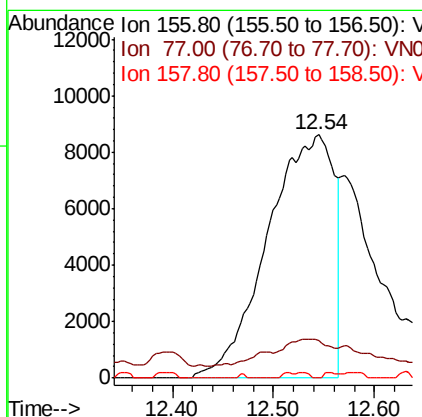
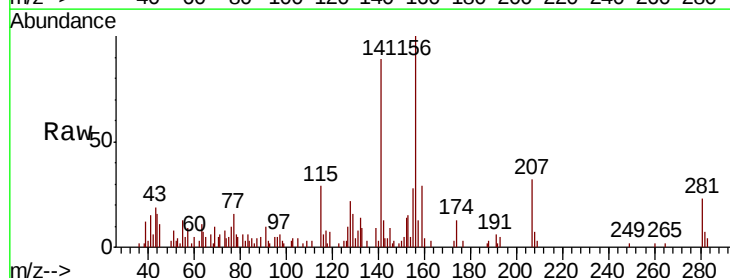
Instrument :  
 MSVOA\_N  
 ClientSampleId :

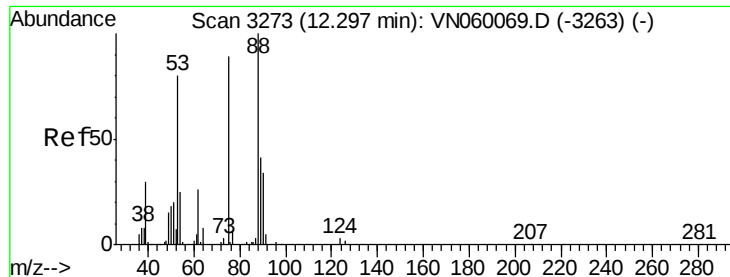
Tot Ion: 75 Resp: 87017  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 0.0 0.0#



#77  
 Bromobenzene  
 Concen: 12.298 ug/l  
 RT: 12.54 min Scan# 3350  
 Delta R.T. 0.02 min  
 Lab File: VN060238.D  
 Acq: 25 Feb 2020 16:44

Tgt Ion: 156 Resp: 39312  
 Ion Ratio Lower Upper  
 156 100  
 77 2.8 98.7 296.1#  
 158 0.4 48.1 144.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 64.563 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060238.D

Acq: 25 Feb 2020 16:44

Instrument :

MSVOA\_N

ClientSampleId :

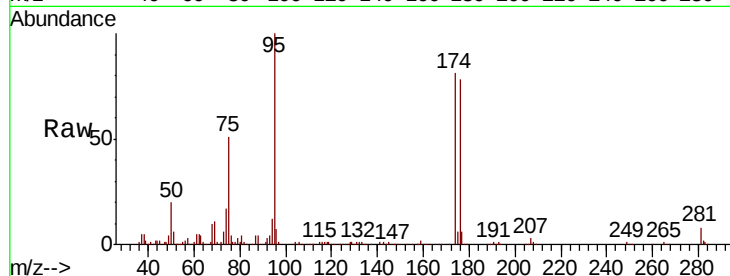
Tot Ion: 75 Resp: 87017

Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

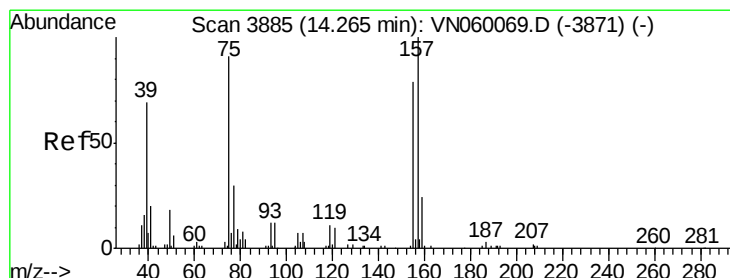
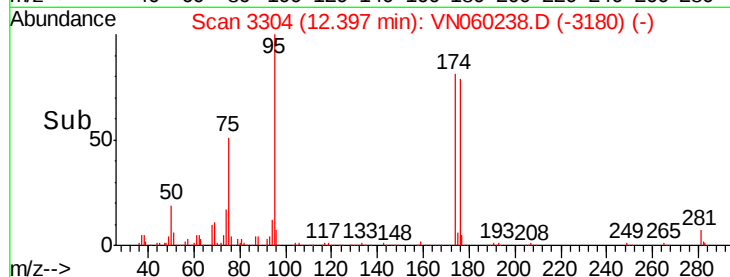
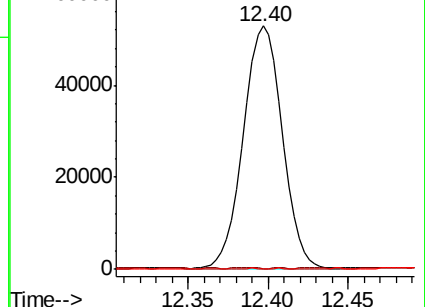
89 0.4 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#92

1,2-Dibromo-3-Chloropropane

Concen: 808.602 ug/l

RT: 14.34 min Scan# 3907

Delta R.T. 0.07 min

Lab File: VN060238.D

Acq: 25 Feb 2020 16:44

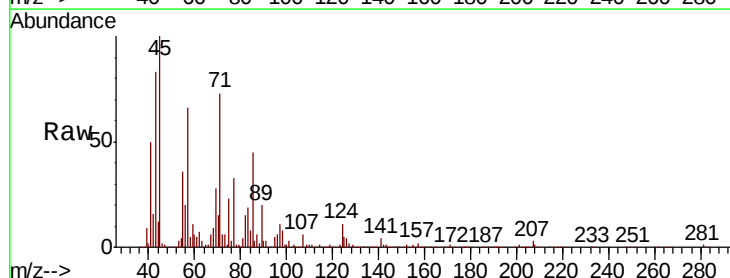
Tgt Ion: 75 Resp: 628187

Ion Ratio Lower Upper

75 100

155 2.5 43.0 129.0#

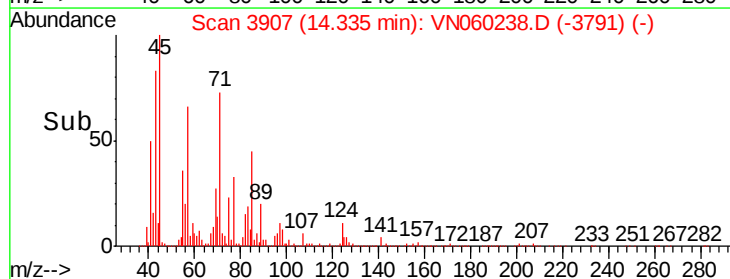
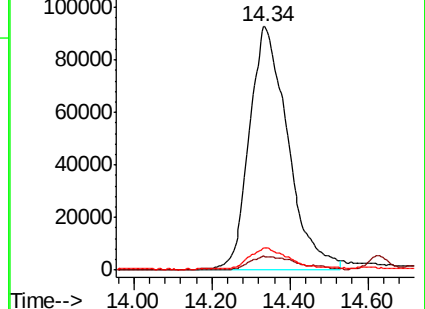
157 8.1 54.9 164.5#

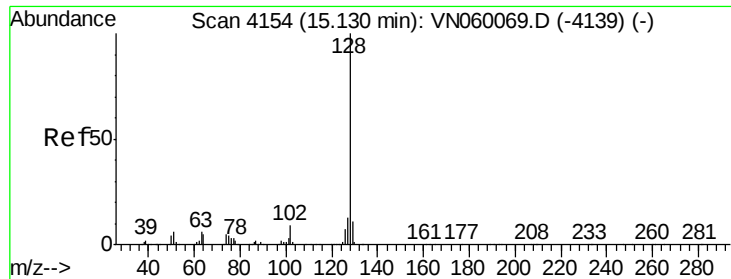


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

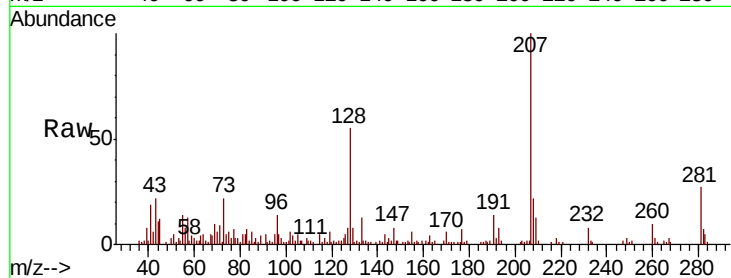




#95  
 Naphthalene  
 Concen: 2.254 ug/l  
 RT: 15.13 min Scan# 4154  
 Delta R.T. -0.00 min  
 Lab File: VN060238.D  
 Acq: 25 Feb 2020 16:44

Instrument :  
 MSVOA\_N  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 14.2  | 10.3  | 15.5  |
| 129     | 13.1  | 8.6   | 13.0  |



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

