

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062118\  
 Data File : VN049483.D  
 Acq On : 21 Jun 2018 21:45  
 Operator : MD\SY  
 Sample : J3622-07  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jun 22 03:43:18 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061618W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 01:02:01 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1280761  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1992424  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1667113  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 524111   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 852504   | 50.19 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.38% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 736685   | 45.70 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 91.40%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 2761235  | 44.99 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 89.98%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 734854   | 36.21 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 72.42%  |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 5) Bromomethane                | 2.57  | 94   | 3042     | 0.29      | ug/l # | 54     |
| 11) Tert butyl alcohol         | 4.75  | 59   | 1563     | 1.57      | ug/l # | 70     |
| 13) Acrolein                   | 3.61  | 56   | 416      | 0.40      | ug/l # | 67     |
| 14) Allyl chloride             | 4.55  | 41   | 43193    | 1.86      | ug/l # | 20     |
| 16) Acetone                    | 3.82  | 43   | 28758    | 6.97      | ug/l   | 98     |
| 18) Methyl Acetate             | 4.34  | 43   | 86834    | 6.90      | ug/l   | 96     |
| 20) Methylene Chloride         | 4.55  | 84   | 1229403  | 71.37     | ug/l   | 92     |
| 25) 2-Butanone                 | 6.84  | 43   | 2283     | 0.41      | ug/l # | 89     |
| 29) Tetrahydrofuran            | 7.23  | 42   | 874      | 0.25      | ug/l # | 71     |
| 30) Chloroform                 | 7.37  | 83   | 8668     | 0.29      | ug/l # | 82     |
| 31) Cyclohexane                | 7.66  | 56   | 23047    | 0.74      | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 91094    | 3.99      | ug/l # | 50     |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 116217   | 4.92      | ug/l # | 17     |
| 43) Isopropyl Acetate          | 8.22  | 43   | 101372   | 4.27      | ug/l # | 66     |
| 49) 1,4-Dioxane                | 9.21  | 88   | 219      | 1.42      | ug/l # | 7      |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 2970     | 0.24      | ug/l   | 88     |
| 58) 2-Chloroethyl Vinyl ether  | 9.77  | 63   | 33       | 14.33     | ug/l # | 51     |
| 65) Chlorobenzene              | 11.44 | 112  | 10818    | 0.25      | ug/l # | 84     |
| 68) m/p-Xylenes                | 11.62 | 106  | 6254     | 0.23      | ug/l   | 88     |
| 71) Bromoform                  | 12.40 | 173  | 5134     | 0.49      | ug/l # | 1      |
| 74) N-amyl acetate             | 12.05 | 43   | 2786     | 0.25      | ug/l # | 55     |
| 75) 1,1,2,2-Tetrachloroethane  | 12.52 | 83   | 143      | Below Cal | #      | 26     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 354362   | 39.63     | ug/l # | 100    |
| 78) n-propylbenzene            | 12.60 | 91   | 14391    | 0.28      | ug/l   | 99     |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 6487     | 0.20      | ug/l   | 82     |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 8875     | 0.25      | ug/l   | 93     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 354362   | 125.24    | ug/l # | 9      |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 27056    | 0.75      | ug/l   | 97     |
| 85) sec-Butylbenzene           | 13.17 | 105  | 8533     | 0.20      | ug/l   | 81     |
| 90) Hexachloroethane           | 13.90 | 117  | 3319     | Below Cal | #      | 9      |
| 93) 1,2,4-Trichlorobenzene     | 14.92 | 180  | 124      | 4.76      | ug/l # | 1      |
| 94) Hexachlorobutadiene        | 15.01 | 225  | 35       | Below Cal | #      | 1      |
| 95) Naphthalene                | 15.14 | 128  | 182155   | 14.19     | ug/l   | 100    |
| 96) 1,2,3-Trichlorobenzene     | 15.31 | 180  | 332      | 3.49      | ug/l # | 45     |

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ClientSampleId :

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061618W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 16 01:02:01 2018  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

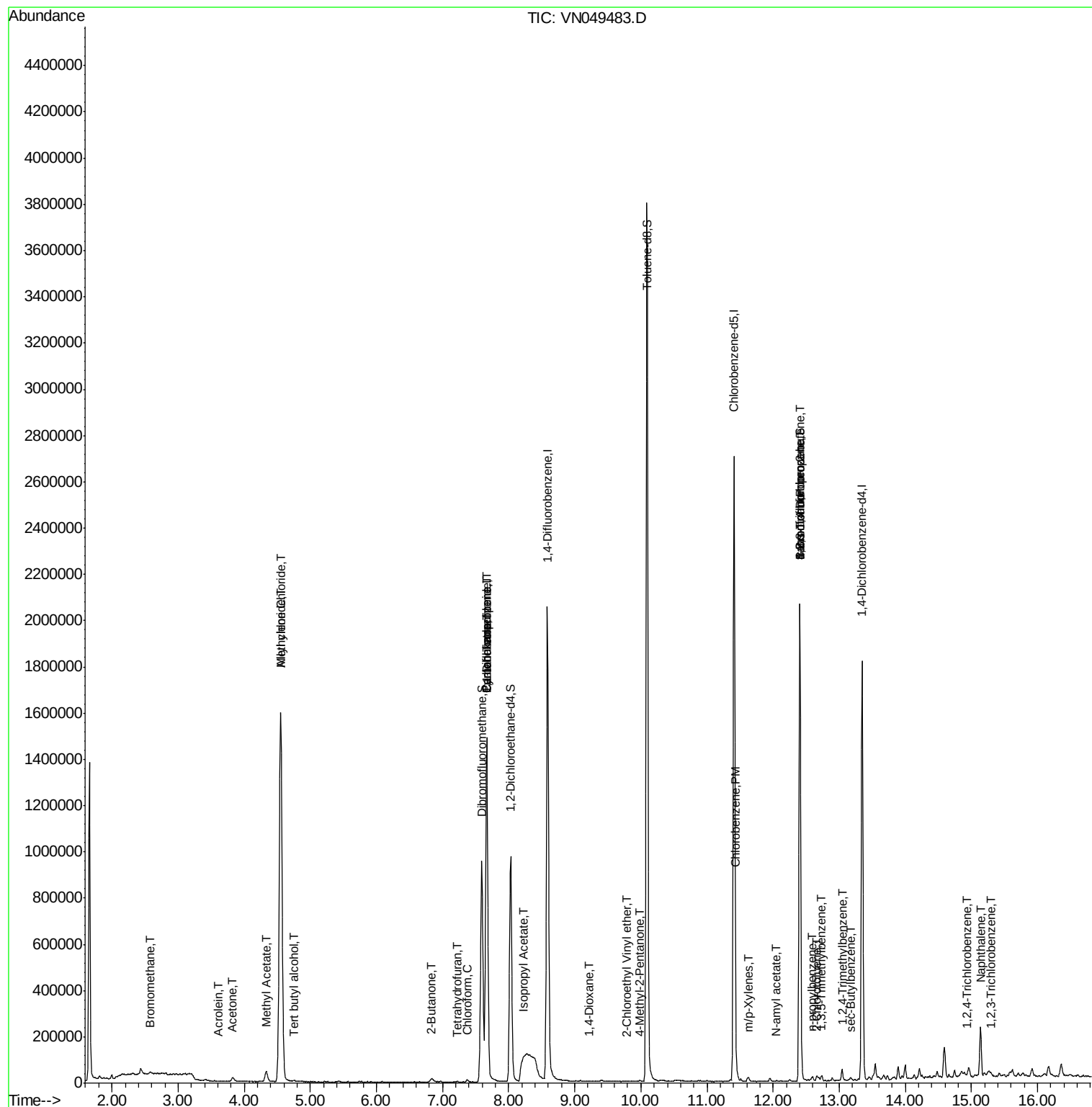
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| ----- |  |  |  |  |  |  |

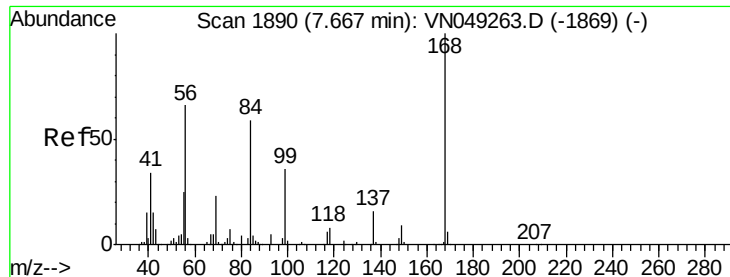
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062118\  
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049483.D

Acq: 21 Jun 2018 21:45

Instrument :

MSVOA\_N

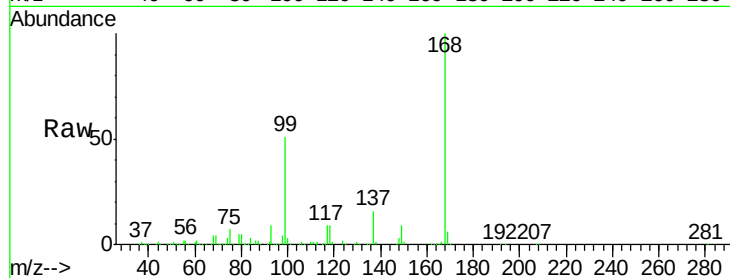
ClientSampleId :

Tot Ion:168 Resp: 1280761

Ion Ratio Lower Upper

168 100

99 50.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): VN049483.D (-1797) (-)

Ion 98.90 (98.60 to 99.60): VN049483.D (-1797) (-)

7.67

600000

500000

400000

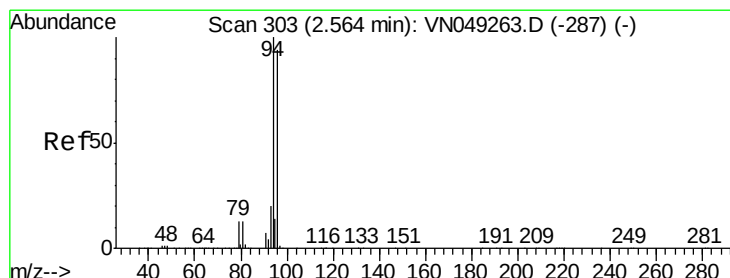
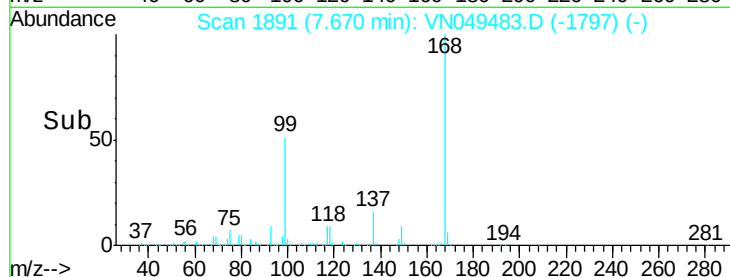
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.29 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049483.D

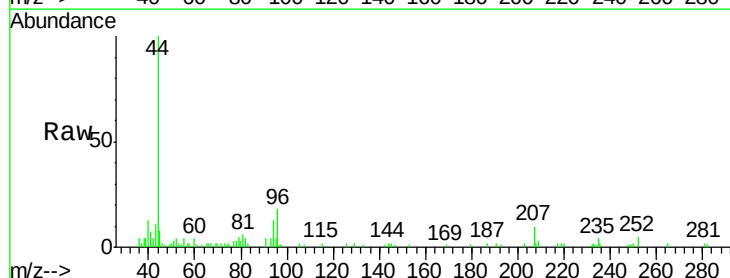
Acq: 21 Jun 2018 21:45

Tgt Ion: 94 Resp: 3042

Ion Ratio Lower Upper

94 100

96 134.3 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VN049483.D (-210) (-)

Ion 95.90 (95.60 to 96.60): VN049483.D (-210) (-)

2.57

2500

2000

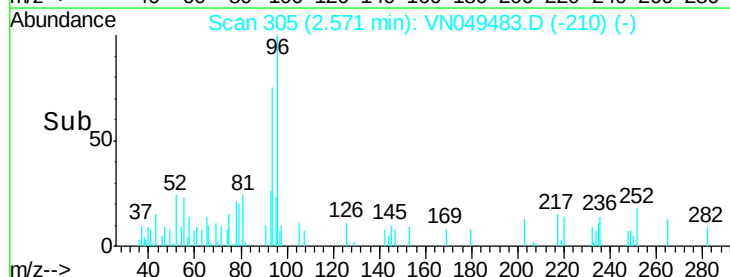
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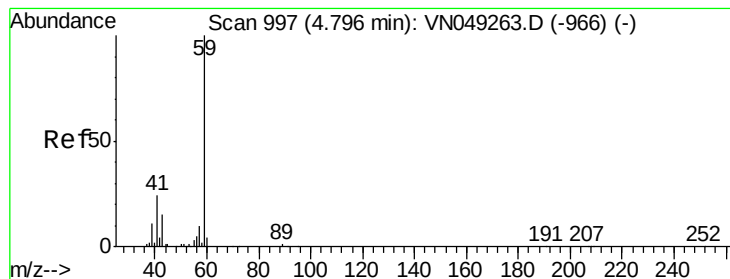
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0

Time-->



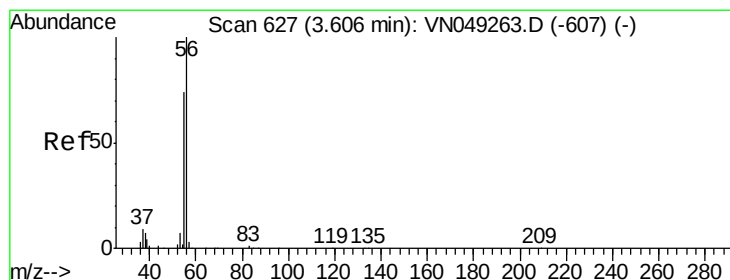
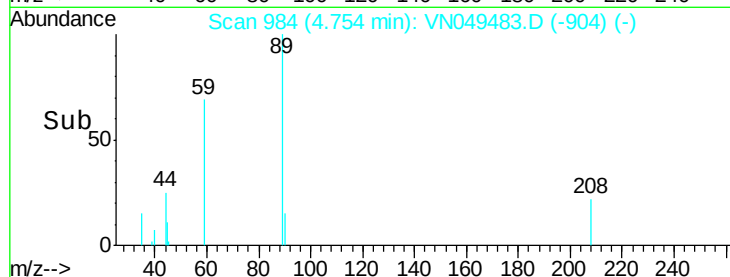
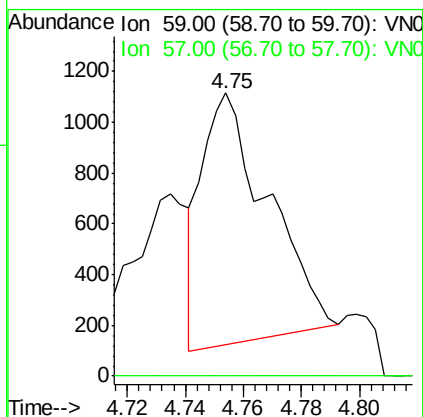
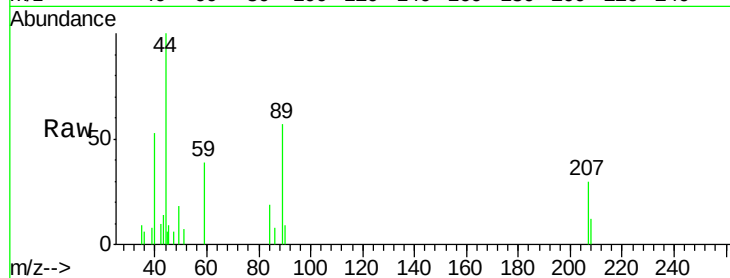


#11

Tert butyl alcohol  
Concen: 1.57 ug/l  
RT: 4.75 min Scan# 984  
Delta R.T. -0.04 min  
Lab File: VN049483.D  
Acq: 21 Jun 2018 21:45

Instrument :  
MSVOA\_N  
ClientSampled :

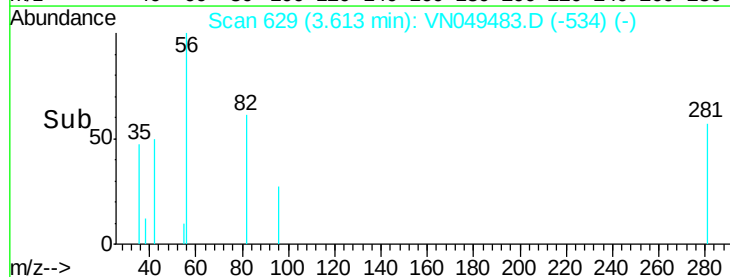
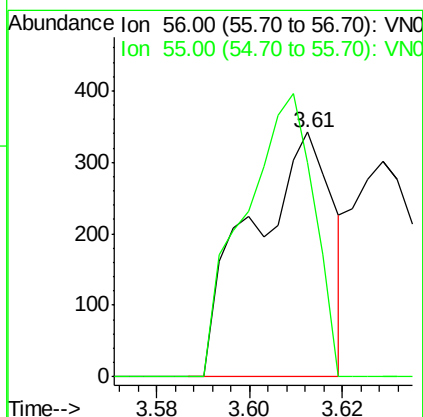
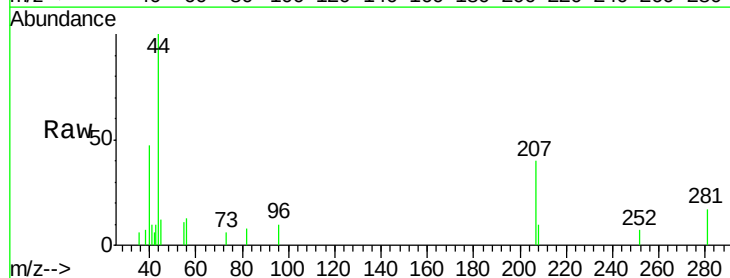
Tot Ion: 59 Resp: 1563  
Ion Ratio Lower Upper  
59 100  
57 0.0 9.0 13.6#

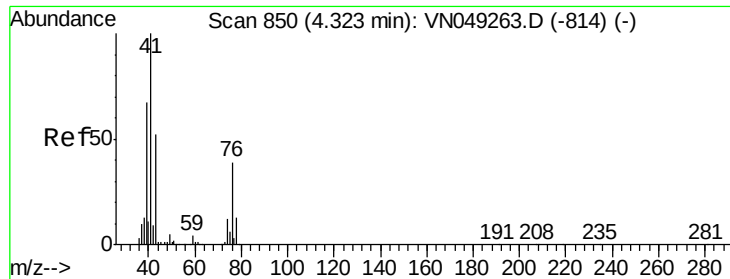


#13

Acrolein  
Concen: 0.40 ug/l  
RT: 3.61 min Scan# 629  
Delta R.T. 0.01 min  
Lab File: VN049483.D  
Acq: 21 Jun 2018 21:45

Tgt Ion: 56 Resp: 416  
Ion Ratio Lower Upper  
56 100  
55 99.0 57.1 85.7#

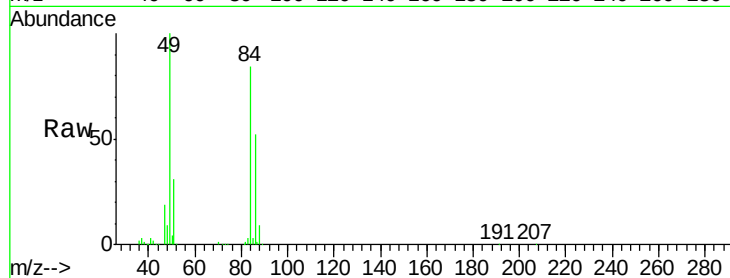




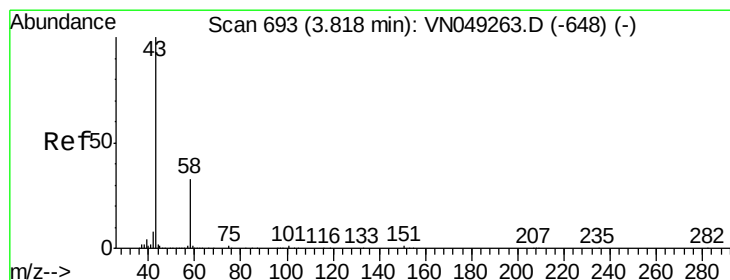
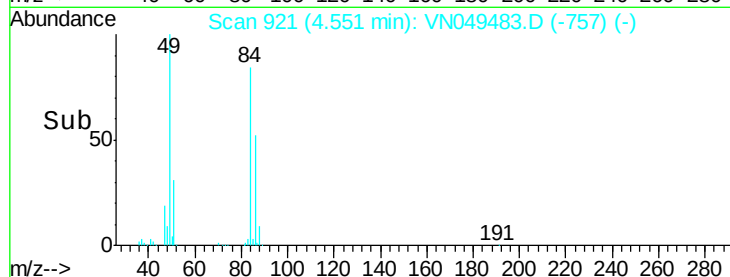
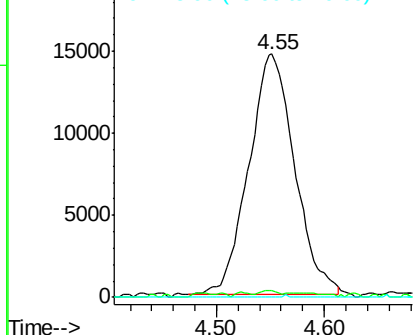
#14  
Allvl chloride  
Concen: 1.86 ug/l  
RT: 4.55 min Scan# 921  
Delta R.T. 0.23 min  
Lab File: VN049483.D  
Acq: 21 Jun 2018 21:45

Instrument :  
MSVOA\_N  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 0.5   | 62.5  | 93.7# |
| 76      | 0.0   | 27.1  | 40.7# |

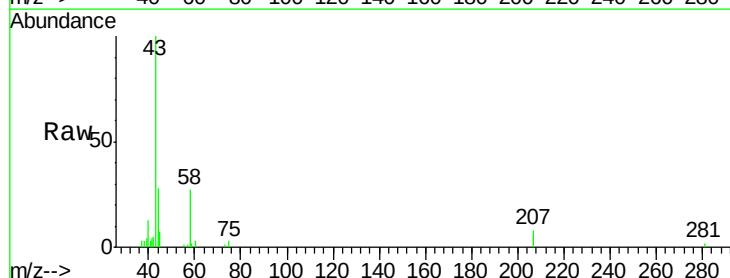


Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0  
Ion 75.90 (75.60 to 76.60): VN0

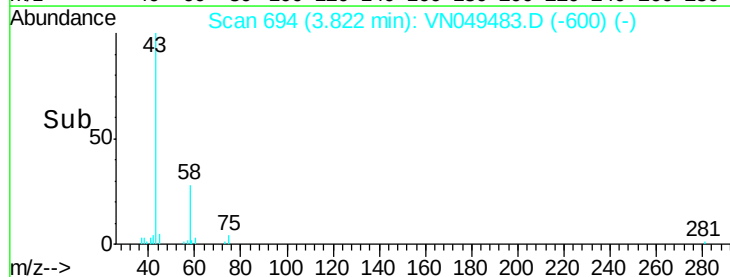
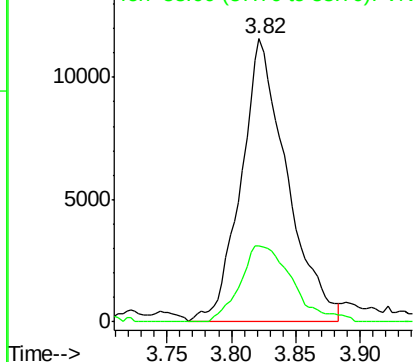


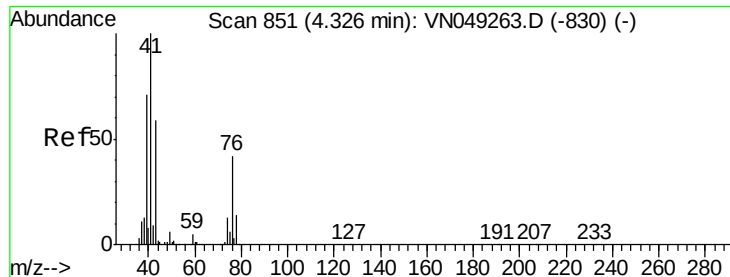
#16  
Acetone  
Concen: 6.97 ug/l  
RT: 3.82 min Scan# 694  
Delta R.T. 0.00 min  
Lab File: VN049483.D  
Acq: 21 Jun 2018 21:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 27.0  | 22.4  | 33.6  |



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

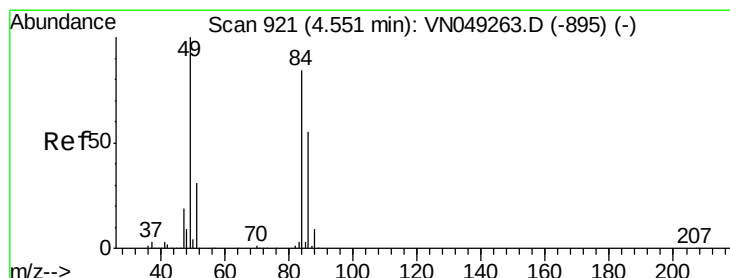
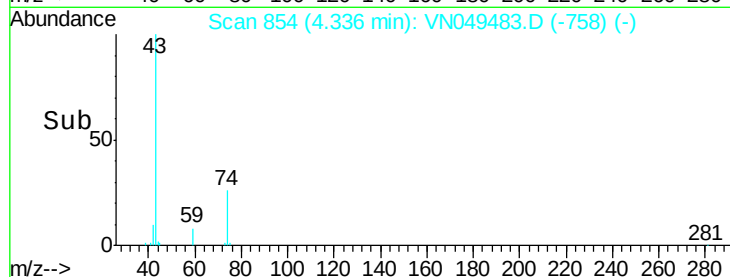
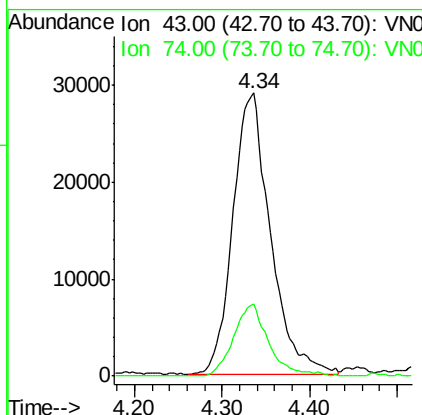
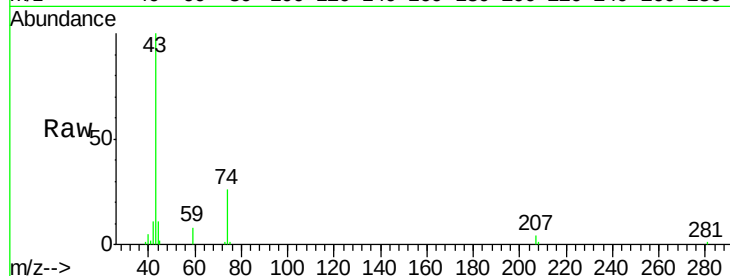




#18  
Methvl Acetate  
Concen: 6.90 ug/l  
RT: 4.34 min Scan# 854  
Delta R.T. 0.01 min  
Lab File: VN049483.D  
Acq: 21 Jun 2018 21:45

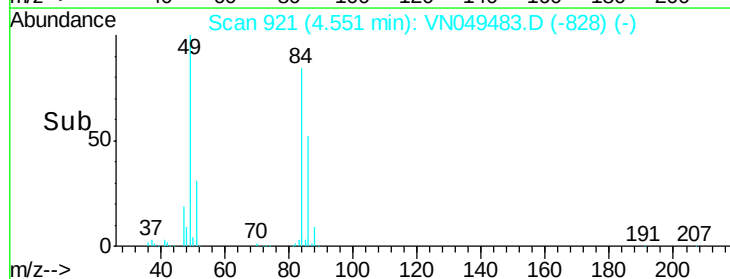
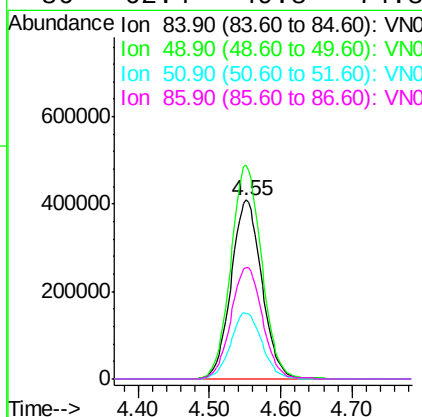
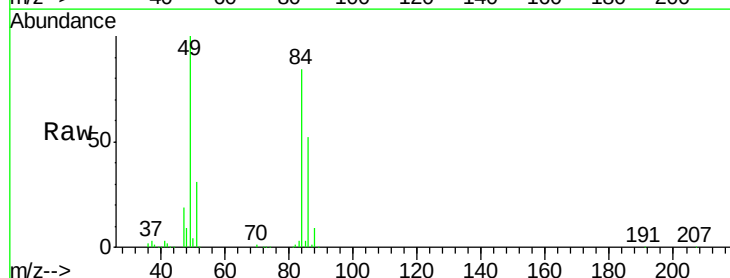
Instrument :  
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ClientSampleId :

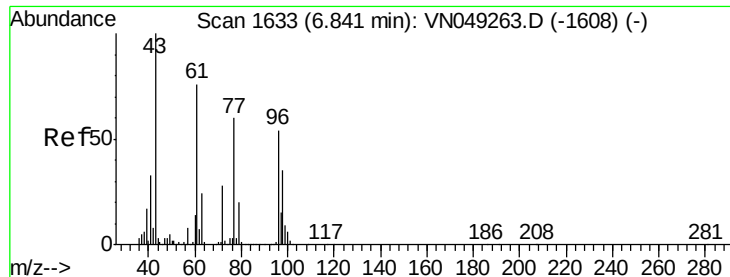
Tot Ion: 43 Resp: 86834  
Ion Ratio Lower Upper  
43 100  
74 23.5 17.4 26.0



#20  
Methylene Chloride  
Concen: 71.37 ug/l  
RT: 4.55 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VN049483.D  
Acq: 21 Jun 2018 21:45

Tgt Ion: 84 Resp: 1229403  
Ion Ratio Lower Upper  
84 100  
49 119.3 106.9 160.3  
51 36.6 32.7 49.1  
86 62.4 49.8 74.8





#25

2-Butanone

Concen: 0.41 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN049483.D

Acq: 21 Jun 2018 21:45

Instrument :

MSVOA\_N

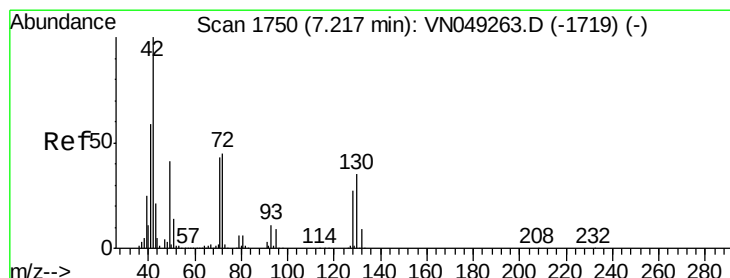
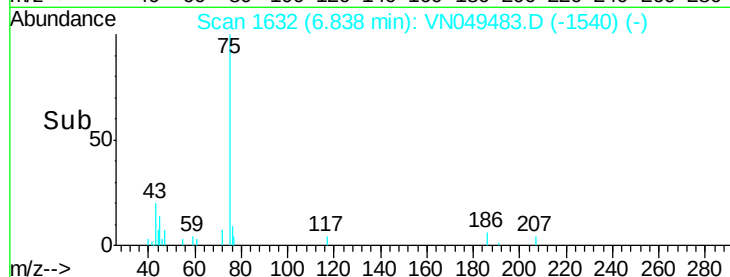
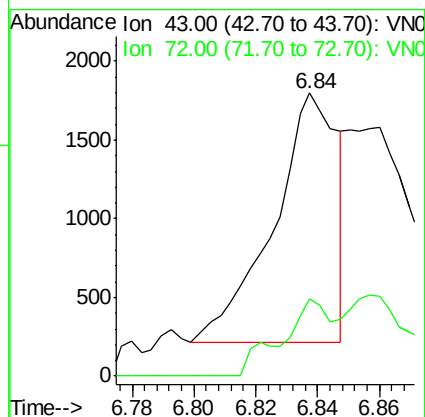
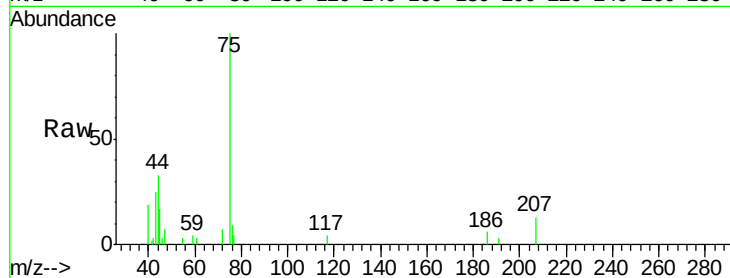
ClientSampleId :

Tot Ion: 43 Resp: 2283

Ion Ratio Lower Upper

43 100

72 30.9 20.2 30.2#



#29

Tetrahydrofuran

Concen: 0.25 ug/l

RT: 7.23 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VN049483.D

Acq: 21 Jun 2018 21:45

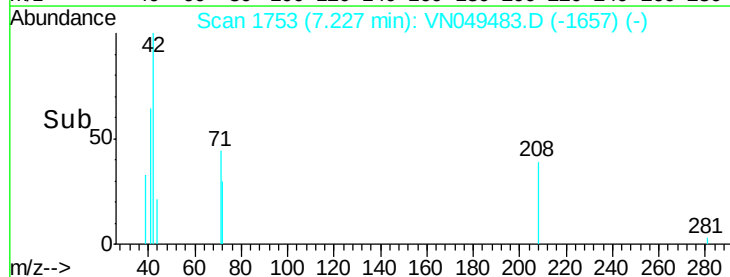
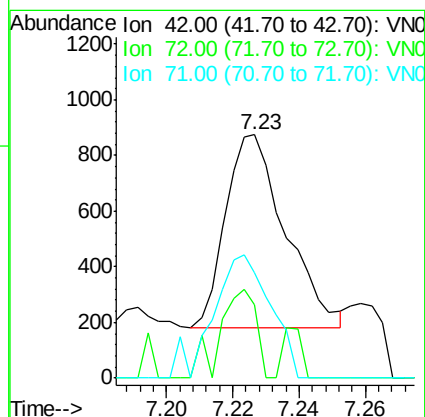
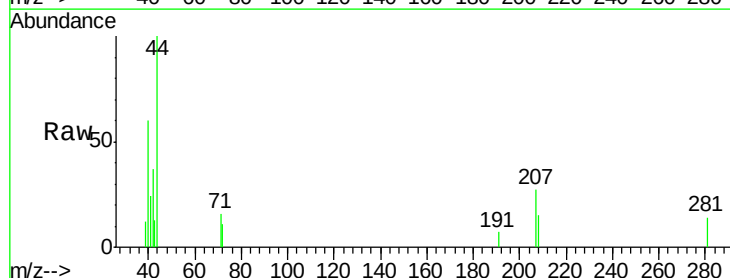
Tgt Ion: 42 Resp: 874

Ion Ratio Lower Upper

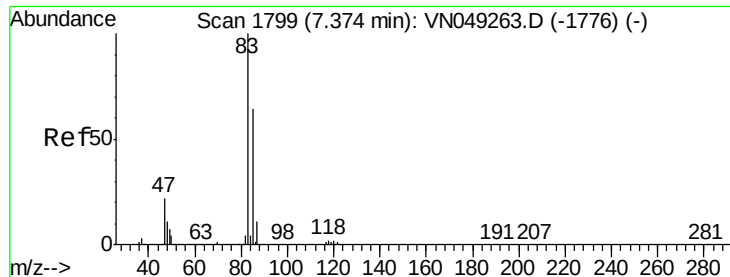
42 100

72 27.2 32.2 48.4#

71 61.1 30.5 45.7#



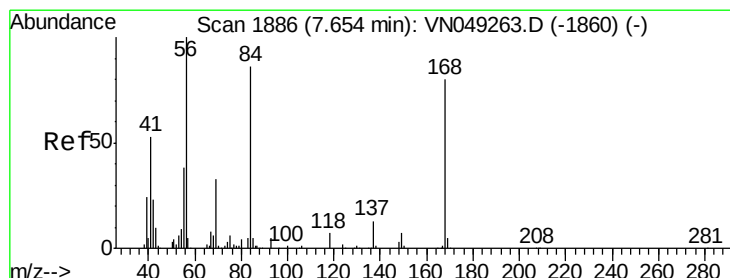
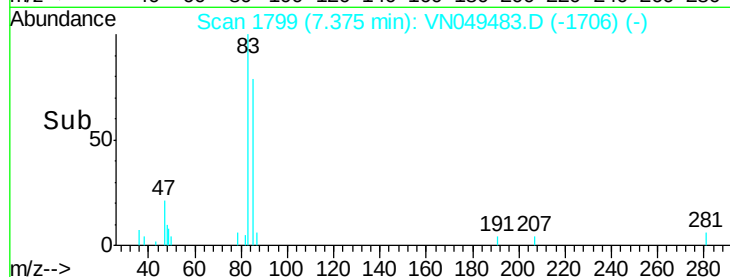
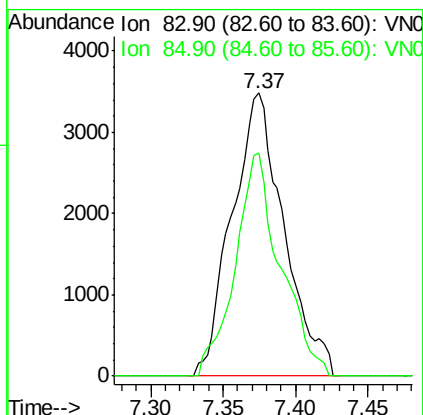
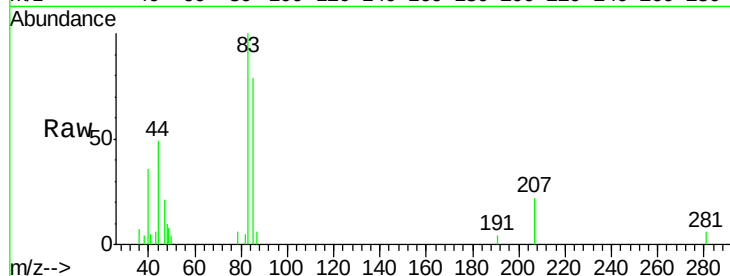




#30  
Chloroform  
Concen: 0.29 ug/l  
RT: 7.37 min Scan# 1799  
Delta R.T. 0.00 min  
Lab File: VN049483.D  
Acq: 21 Jun 2018 21:45

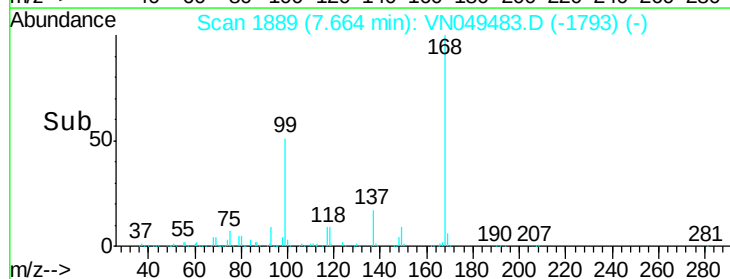
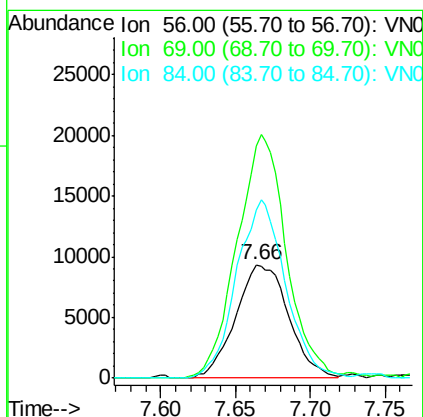
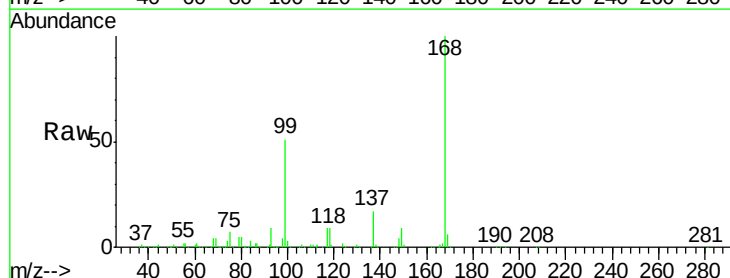
Instrument :  
MSVOA\_N  
ClientSampleId :

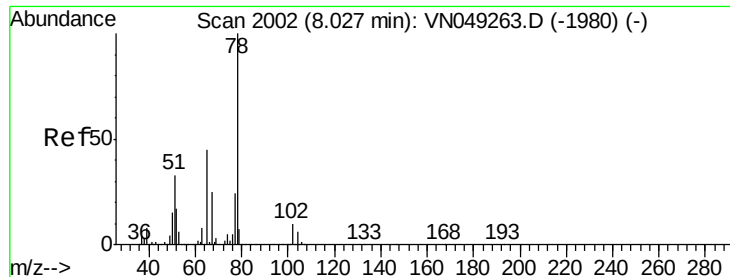
Tot Ion: 83 Resp: 8668  
Ion Ratio Lower Upper  
83 100  
85 79.0 51.7 77.5#



#31  
Cyclohexane  
Concen: 0.74 ug/l  
RT: 7.66 min Scan# 1889  
Delta R.T. 0.01 min  
Lab File: VN049483.D  
Acq: 21 Jun 2018 21:45

Tgt Ion: 56 Resp: 23047  
Ion Ratio Lower Upper  
56 100  
69 202.0 25.0 37.4#  
84 147.8 64.6 96.8#

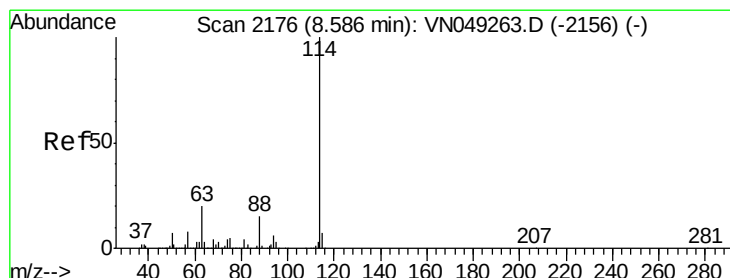
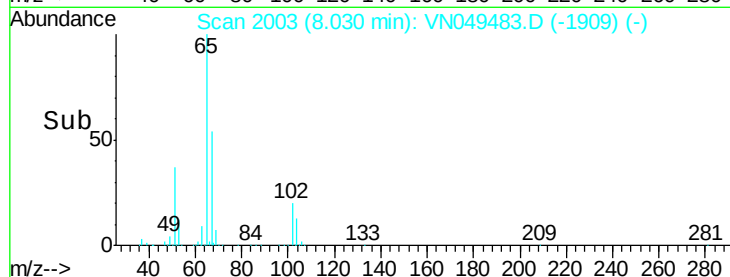
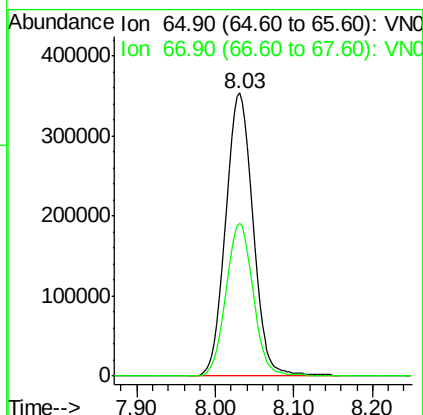
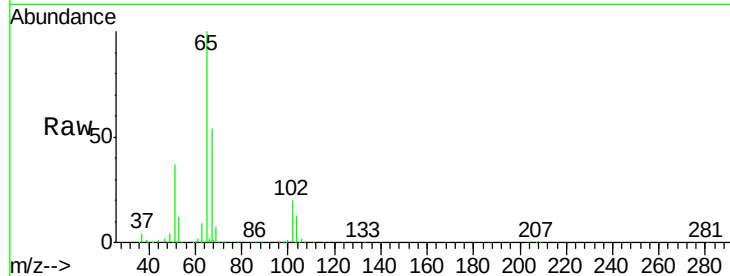




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.19 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN049483.D  
 Acq: 21 Jun 2018 21:45

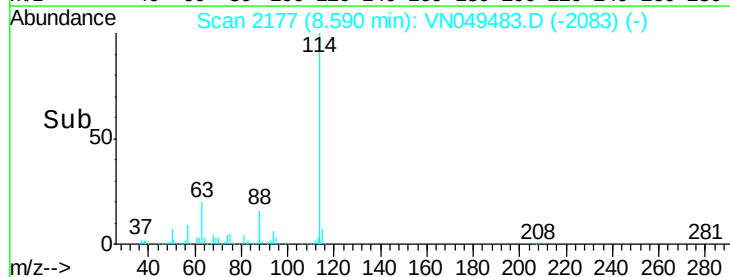
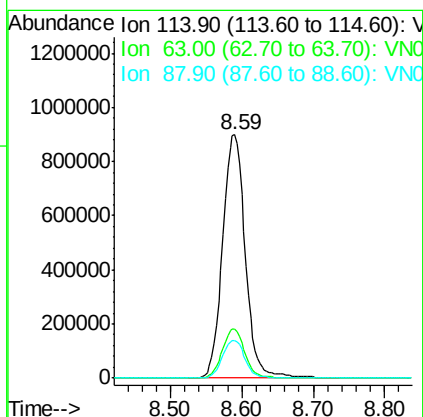
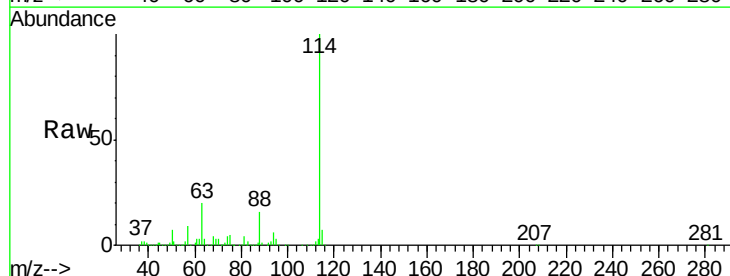
Instrument :  
 MSVOA\_N  
 ClientSampleId :

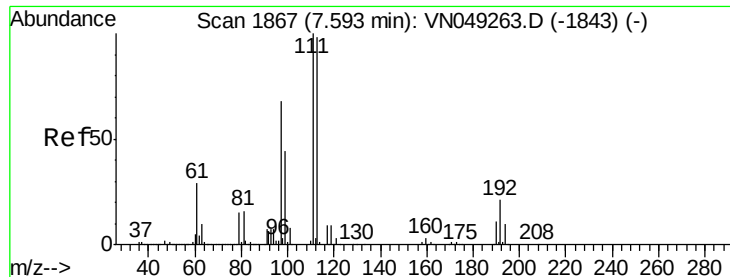
Tot Ion: 65 Resp: 852504  
 Ion Ratio Lower Upper  
 65 100  
 67 53.6 0.0 103.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN049483.D  
 Acq: 21 Jun 2018 21:45

Tgt Ion: 114 Resp: 1992424  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 0.0 44.4  
 88 15.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 45.70 ug/l

RT: 7.59 min Scan# 1867

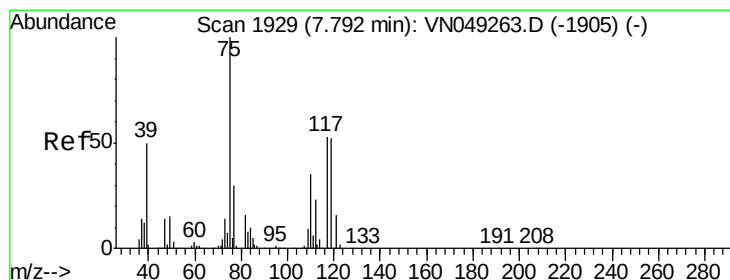
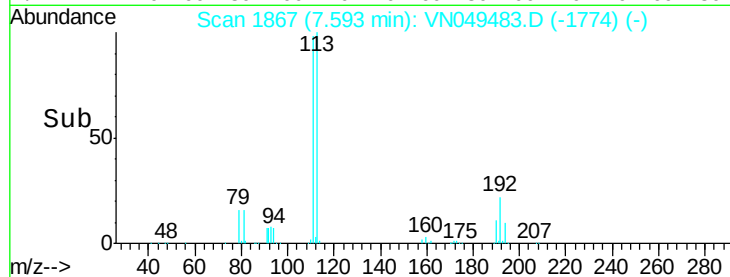
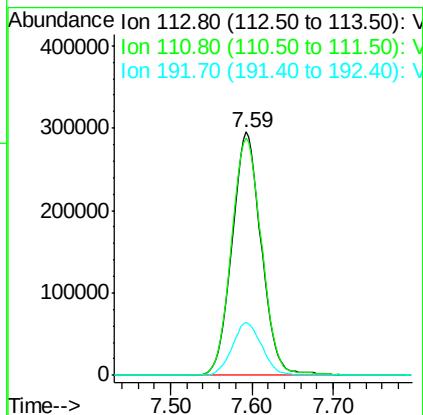
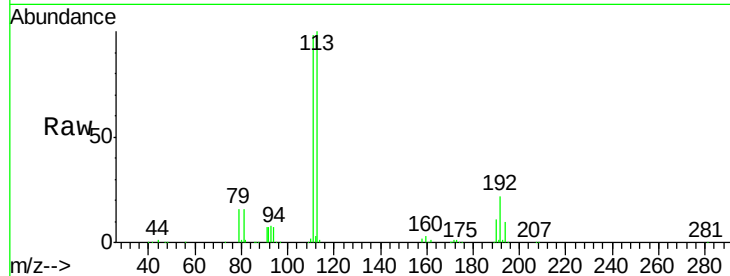
Delta R.T. 0.00 min

Lab File: VN049483.D

Acq: 21 Jun 2018 21:45

Instrument :  
MSVOA\_N  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 113   | Resp: | 736685 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 101.1 | 82.4  | 123.6  |
| 192      | 22.0  | 15.0  | 22.6   |



#36

1,1-Dichloropropene

Concen: 3.99 ug/l

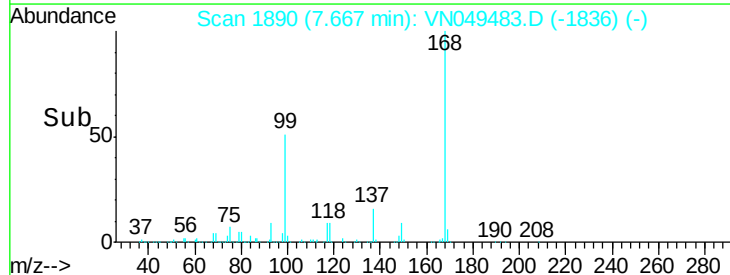
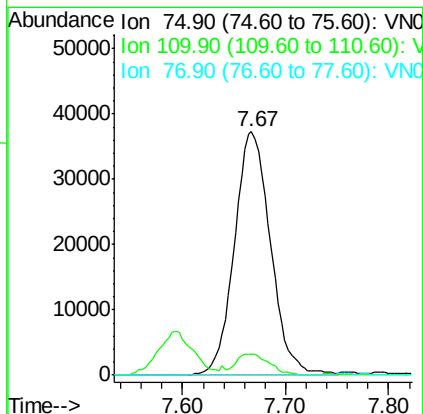
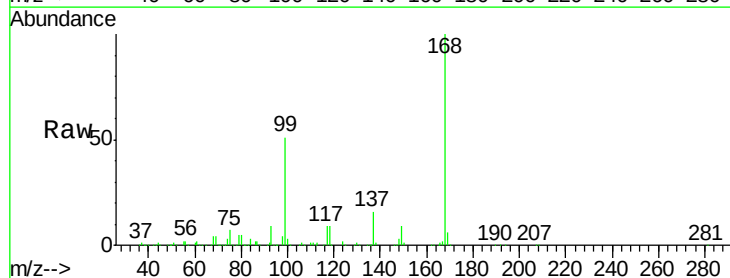
RT: 7.67 min Scan# 1890

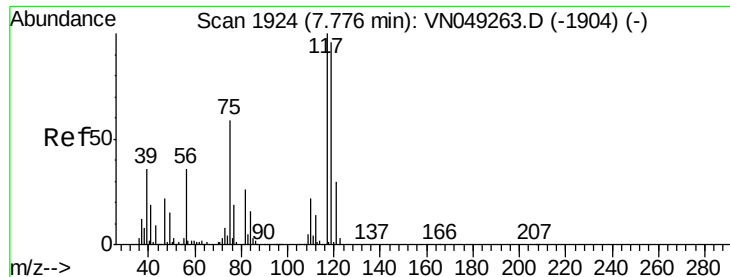
Delta R.T. -0.13 min

Lab File: VN049483.D

Acq: 21 Jun 2018 21:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 91094 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 7.9   | 17.0  | 50.9# |
| 77       | 0.0   | 24.4  | 36.6# |

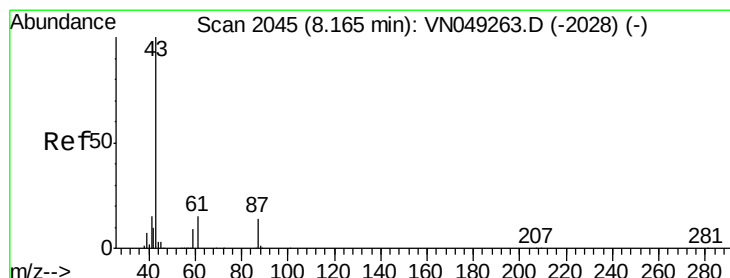
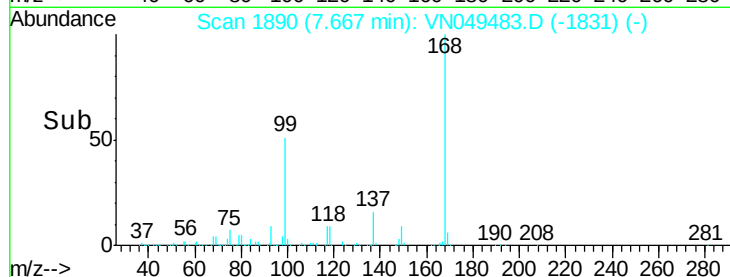
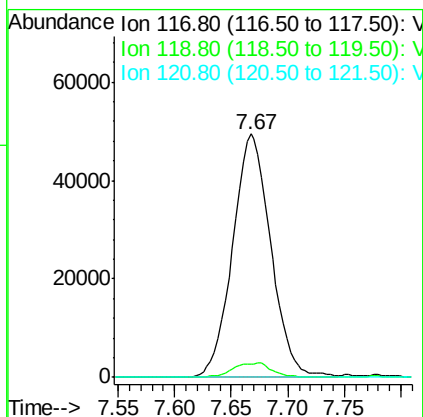
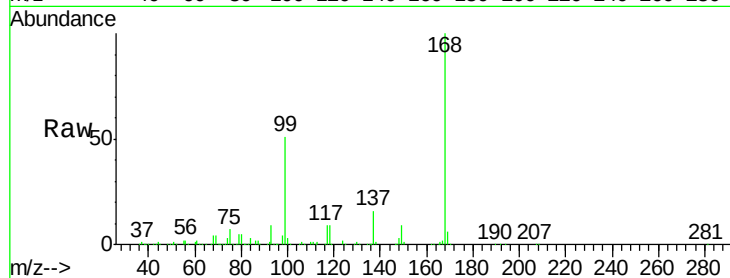




#38  
Carbon Tetrachloride  
Concen: 4.92 ug/l  
RT: 7.67 min Scan# 1890  
Delta R.T. -0.11 min  
Lab File: VN049483.D  
Acq: 21 Jun 2018 21:45

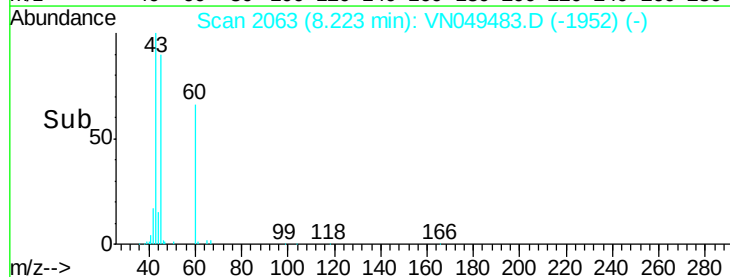
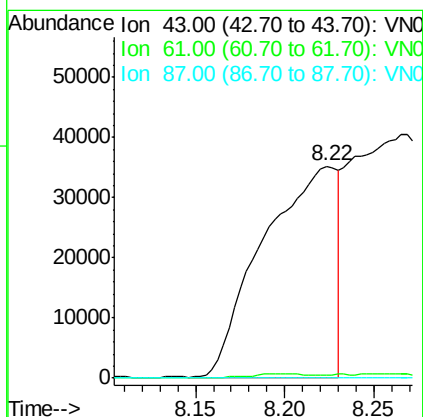
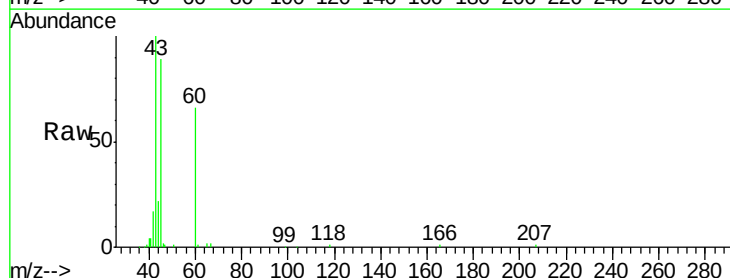
Instrument :  
MSVOA\_N  
ClientSampleId :

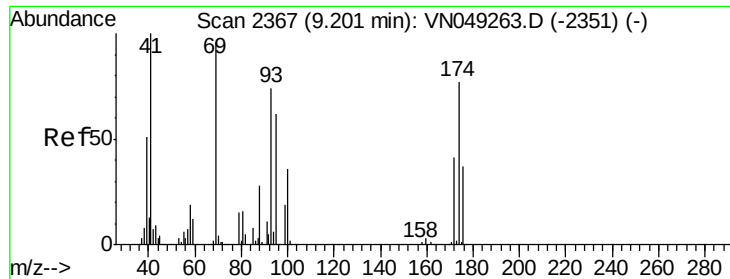
Tot Ion:117 Resp: 116217  
Ion Ratio Lower Upper  
117 100  
119 5.2 75.6 113.4#  
121 0.0 24.7 37.1#



#43  
Isopropyl Acetate  
Concen: 4.27 ug/l  
RT: 8.22 min Scan# 2063  
Delta R.T. 0.06 min  
Lab File: VN049483.D  
Acq: 21 Jun 2018 21:45

Tgt Ion: 43 Resp: 101372  
Ion Ratio Lower Upper  
43 100  
61 1.4 14.2 21.4#  
87 0.0 9.4 14.0#

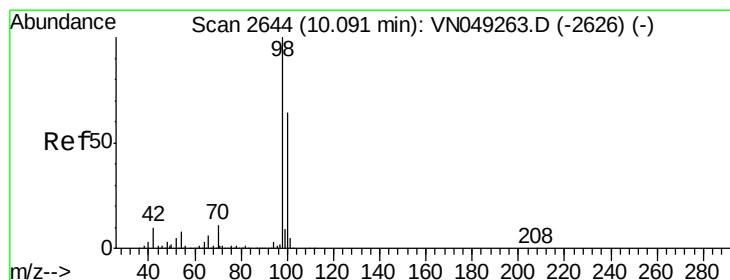
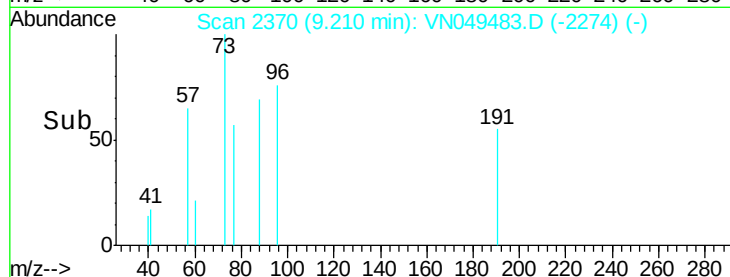
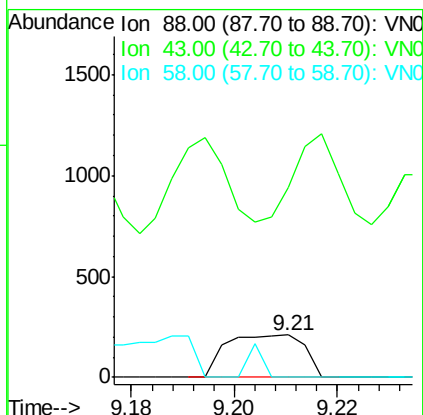
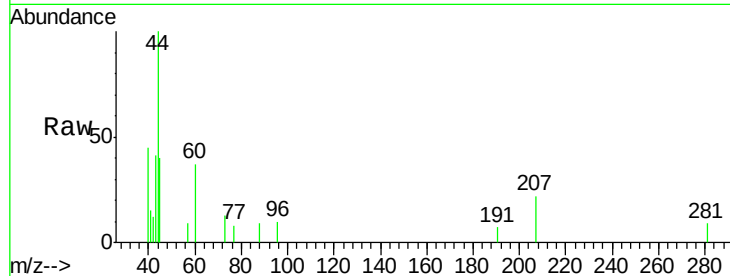




#49  
1,4-Dioxane  
Concen: 1.42 ug/l  
RT: 9.21 min Scan# 2370  
Delta R.T. 0.01 min  
Lab File: VN049483.D  
Acq: 21 Jun 2018 21:45

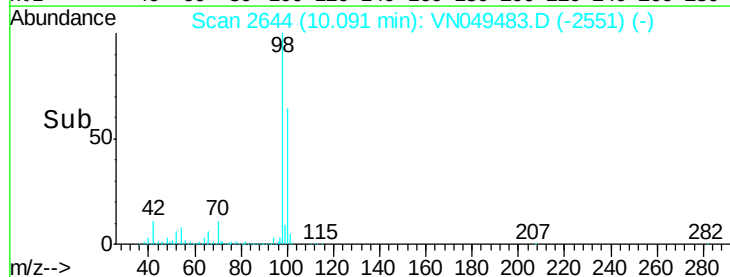
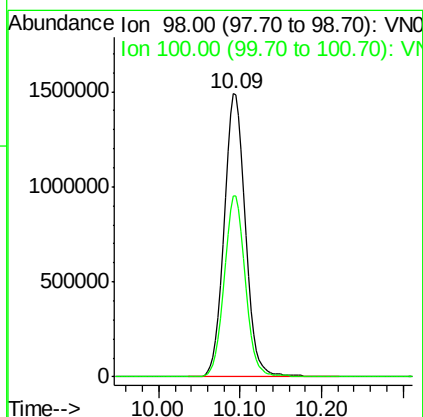
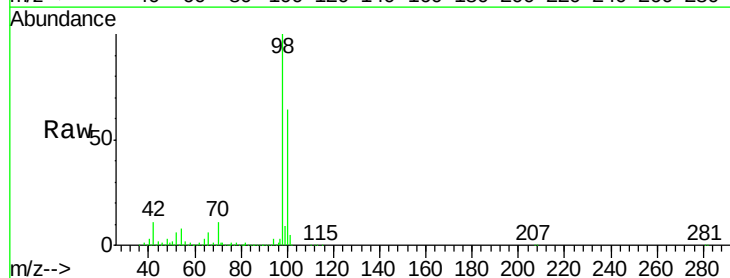
Instrument :  
MSVOA\_N  
ClientSampleId :

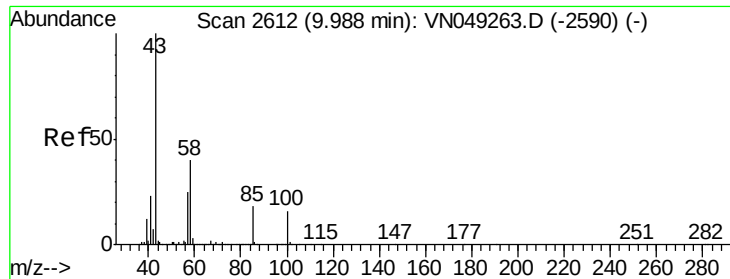
Tot Ion: 88 Resp: 219  
Ion Ratio Lower Upper  
88 100  
43 121.5 30.9 46.3#  
58 14.6 58.9 88.3#



#50  
Toluene-d8  
Concen: 44.99 ug/l  
RT: 10.09 min Scan# 2644  
Delta R.T. 0.00 min  
Lab File: VN049483.D  
Acq: 21 Jun 2018 21:45

Tgt Ion: 98 Resp: 2761235  
Ion Ratio Lower Upper  
98 100  
100 63.6 49.8 74.8

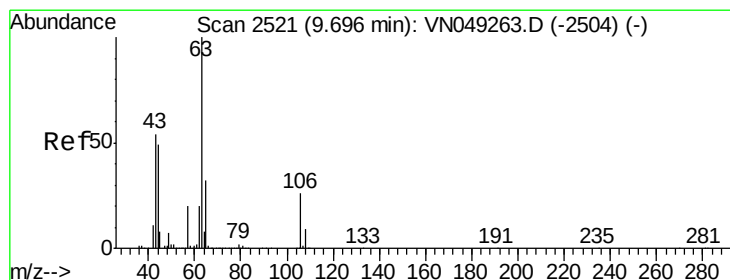
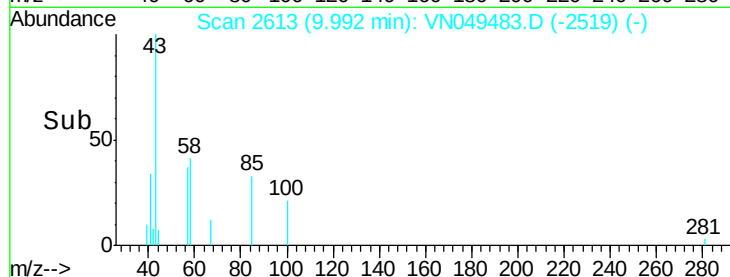
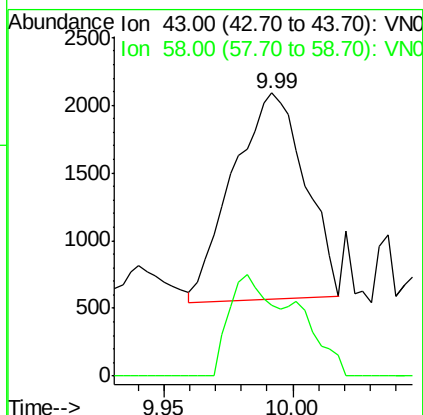
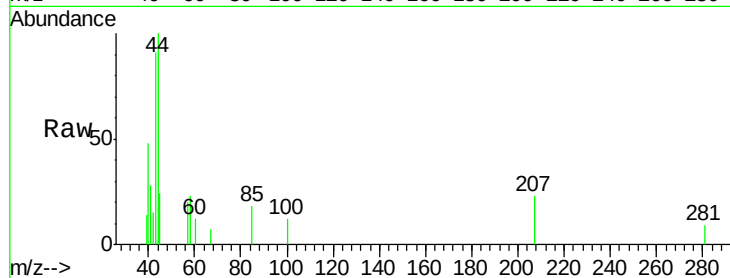




#51  
 4-Methyl-2-Pentanone  
 Concen: 0.24 ug/l  
 RT: 9.99 min Scan# 2613  
 Delta R.T. 0.00 min  
 Lab File: VN049483.D  
 Acq: 21 Jun 2018 21:45

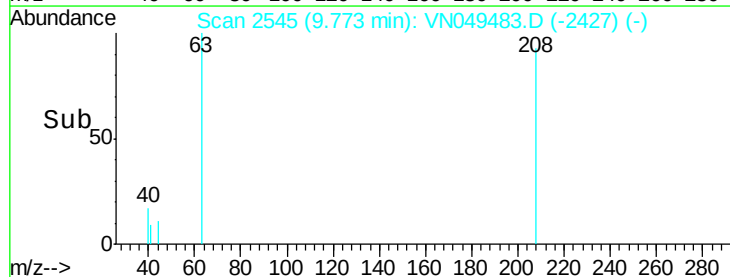
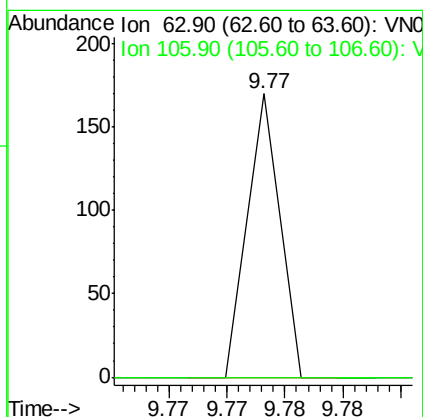
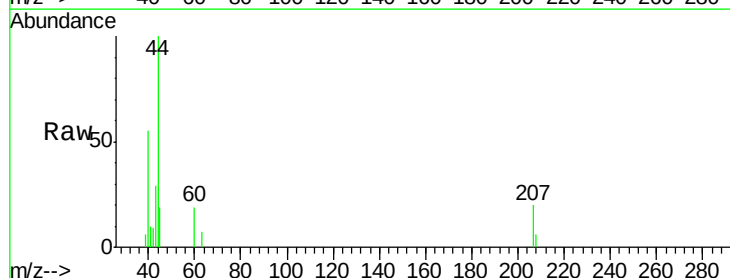
Instrument :  
 MSVOA\_N  
 ClientSampled :

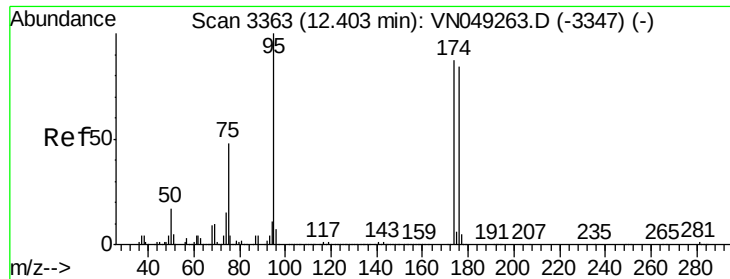
Tot Ion: 43 Resp: 2970  
 Ion Ratio Lower Upper  
 43 100  
 58 29.3 29.0 43.6



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 14.33 ug/l  
 RT: 9.77 min Scan# 2545  
 Delta R.T. 0.08 min  
 Lab File: VN049483.D  
 Acq: 21 Jun 2018 21:45

Tgt Ion: 63 Resp: 33  
 Ion Ratio Lower Upper  
 63 100  
 106 0.0 19.4 29.2#

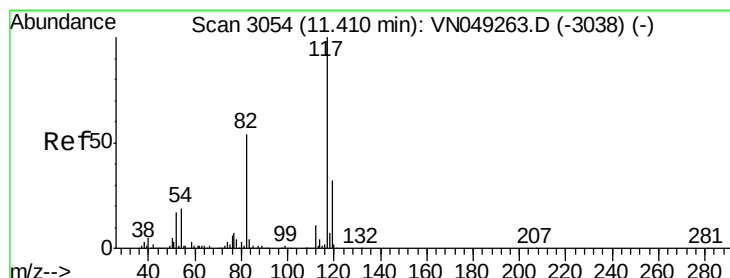
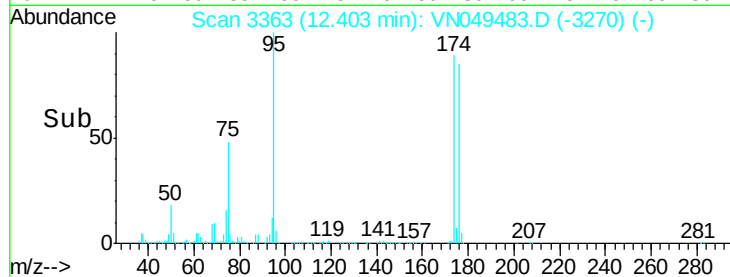
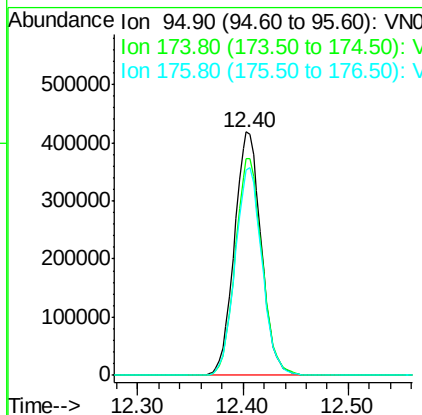
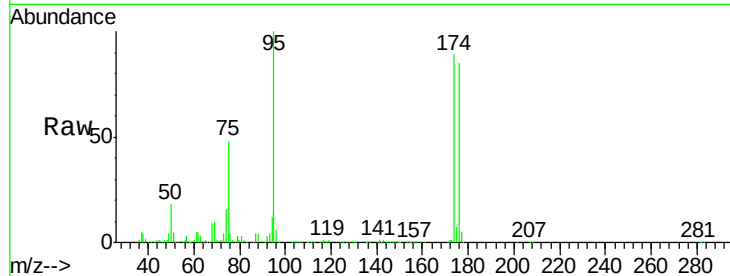




#62  
4-Bromofluorobenzene  
Concen: 36.21 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.00 min  
Lab File: VN049483.D  
Acq: 21 Jun 2018 21:45

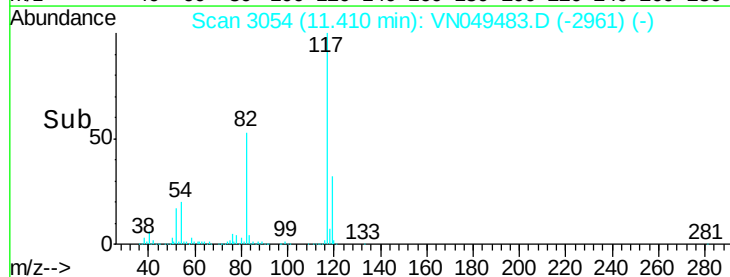
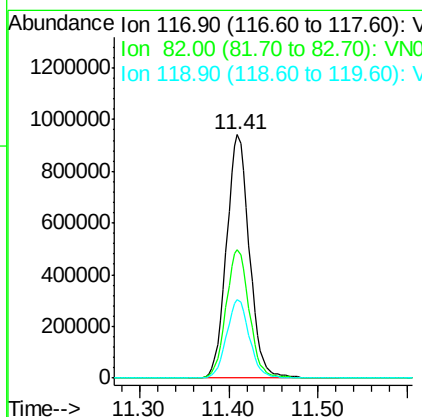
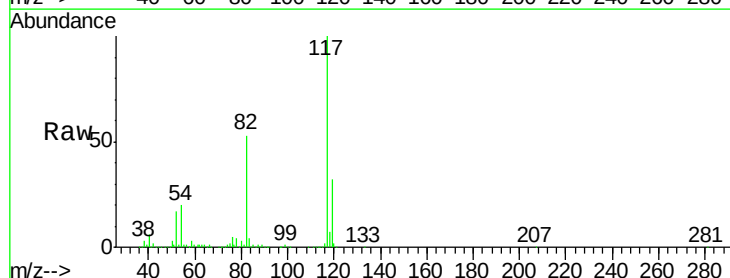
Instrument :  
MSVOA\_N  
ClientSampled :

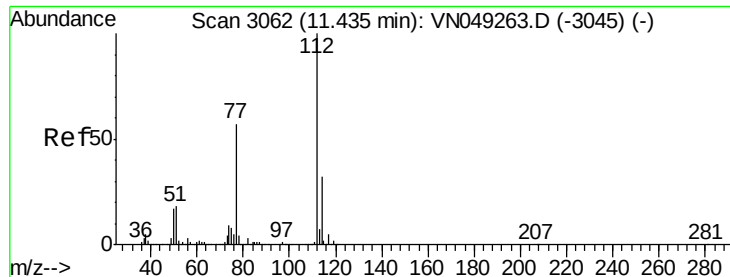
Tot Ion: 95 Resp: 734854  
Ion Ratio Lower Upper  
95 100  
174 89.0 0.0 165.6  
176 85.2 0.0 157.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN049483.D  
Acq: 21 Jun 2018 21:45

Tgt Ion: 117 Resp: 1667113  
Ion Ratio Lower Upper  
117 100  
82 53.0 45.9 68.9  
119 32.1 25.5 38.3

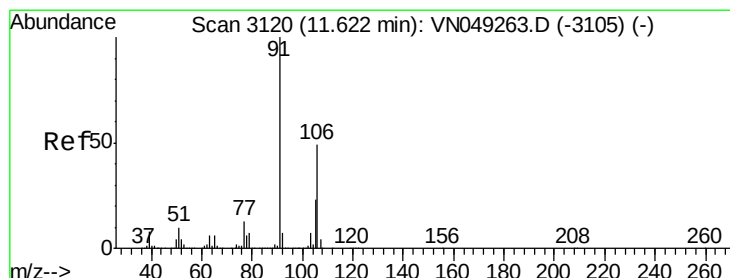
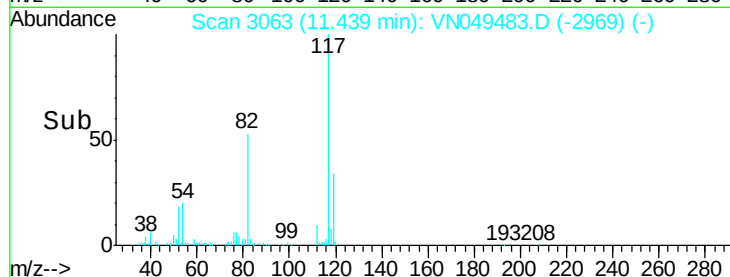
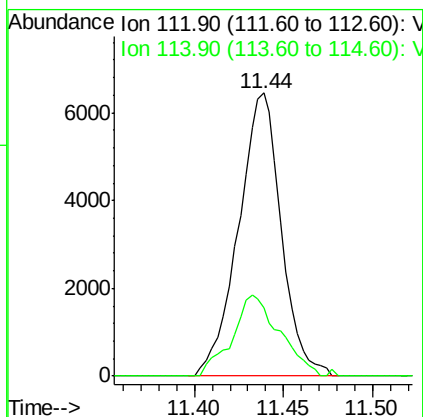
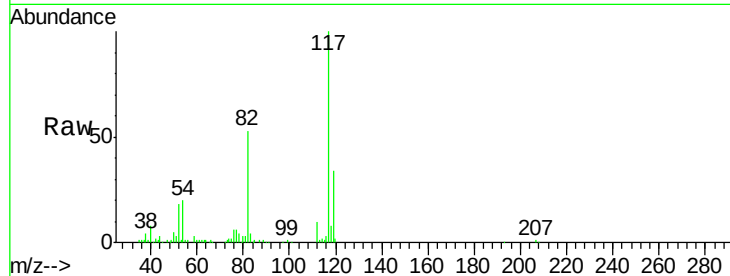




#65  
Chlorobenzene  
Concen: 0.25 ug/l  
RT: 11.44 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN049483.D  
Acq: 21 Jun 2018 21:45

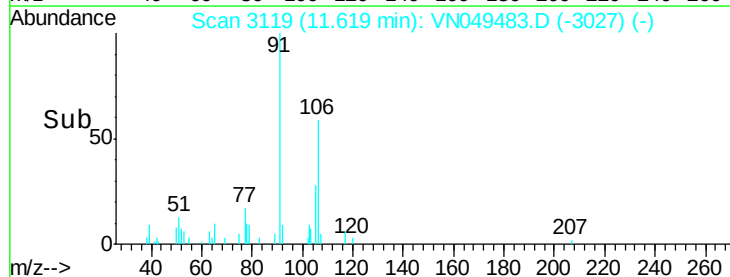
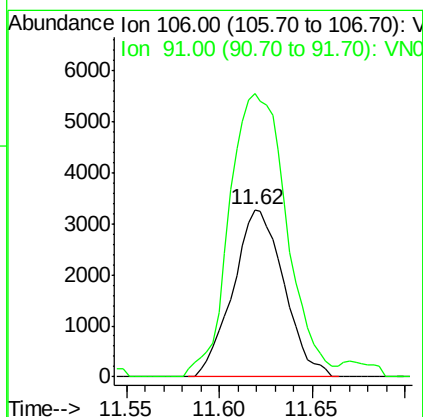
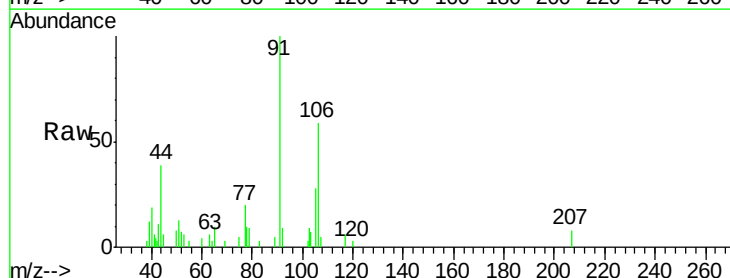
Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion:112 Resp: 10818  
Ion Ratio Lower Upper  
112 100  
114 23.9 26.2 39.4#

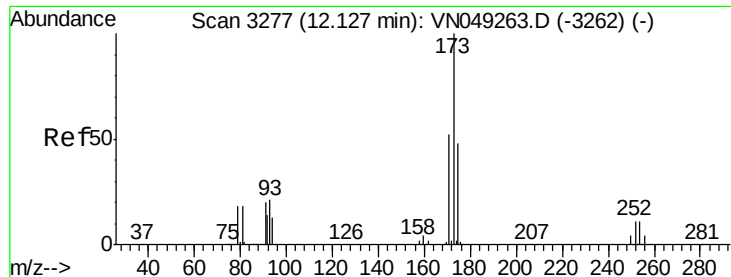


#68  
m/p-Xylenes  
Concen: 0.23 ug/l  
RT: 11.62 min Scan# 3119  
Delta R.T. -0.00 min  
Lab File: VN049483.D  
Acq: 21 Jun 2018 21:45

Tgt Ion:106 Resp: 6254  
Ion Ratio Lower Upper  
106 100  
91 190.2 167.3 250.9







#71

Bromoform

Concen: 0.49 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049483.D

Acq: 21 Jun 2018 21:45

Instrument :

MSVOA\_N

ClientSampled :

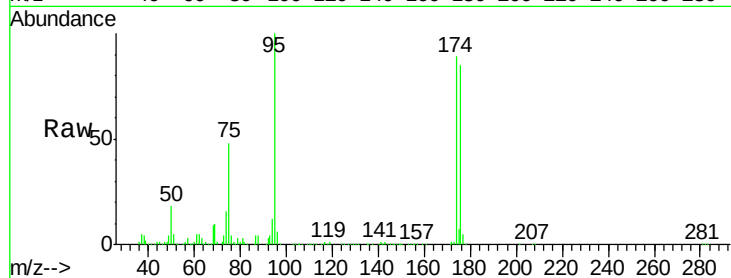
Tot Ion:173 Resp: 5134

Ion Ratio Lower Upper

173 100

175 742.6 24.5 73.5#

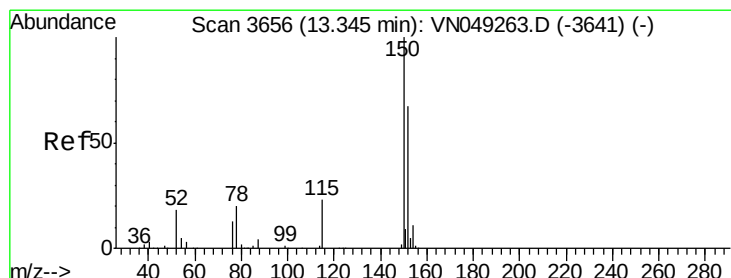
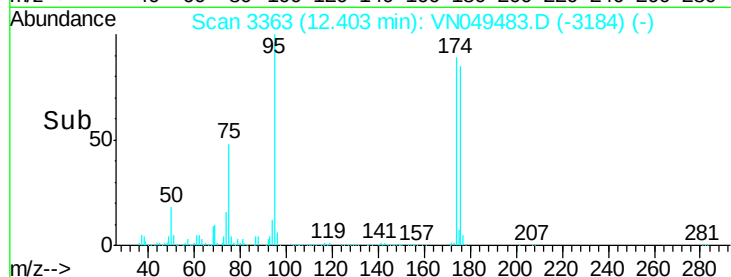
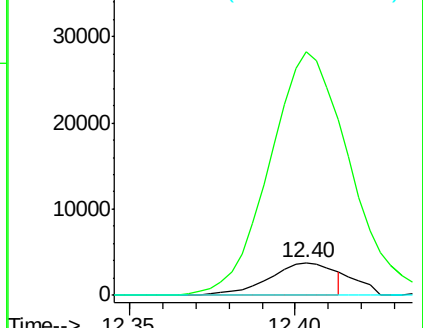
254 0.0 0.1 0.1#



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: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049483.D

Acq: 21 Jun 2018 21:45

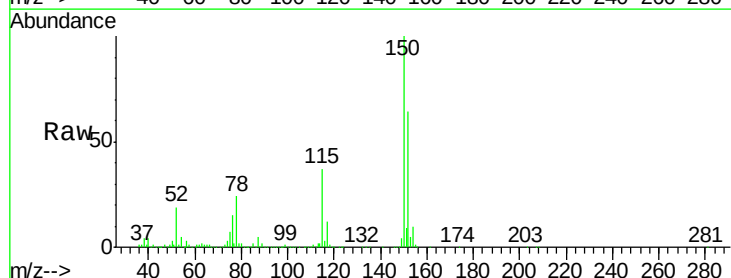
Tgt Ion:152 Resp: 524111

Ion Ratio Lower Upper

152 100

115 57.4 28.7 86.1

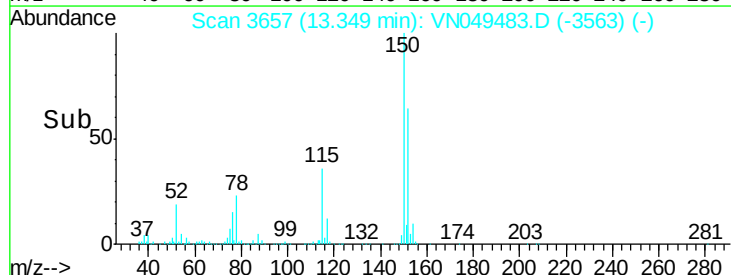
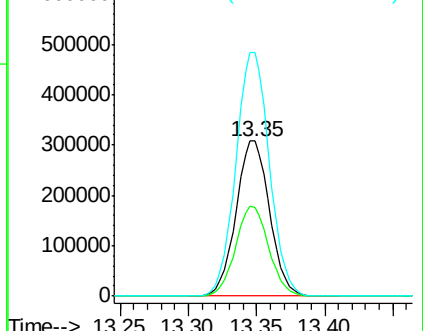
150 157.5 0.0 351.0

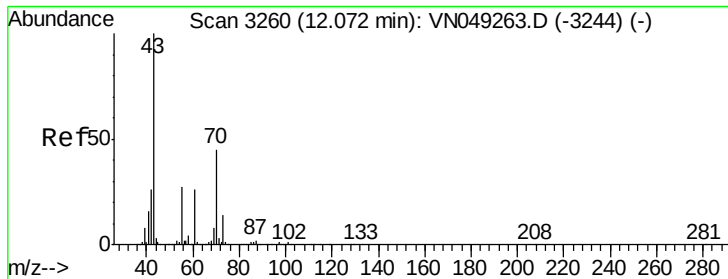


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amyl acetate

Concen: 0.25 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. -0.03 min

Lab File: VN049483.D

Acq: 21 Jun 2018 21:45

Instrument :

MSVOA\_N

ClientSampleId :

Tot Ion: 43 Resp: 2786

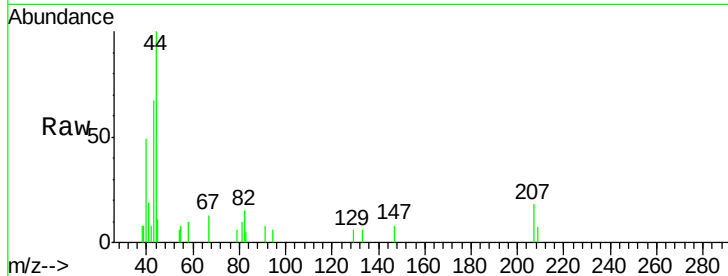
Ion Ratio Lower Upper

43 100

70 3.3 30.3 45.5#

55 12.9 19.4 29.2#

61 0.0 17.8 26.6#

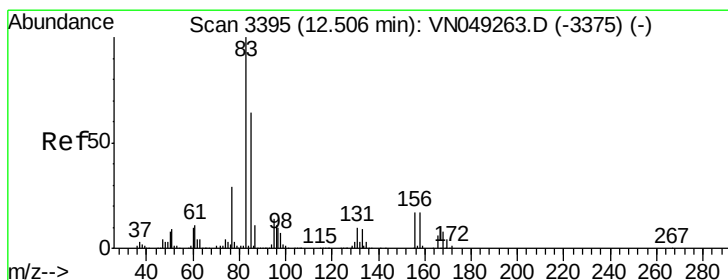
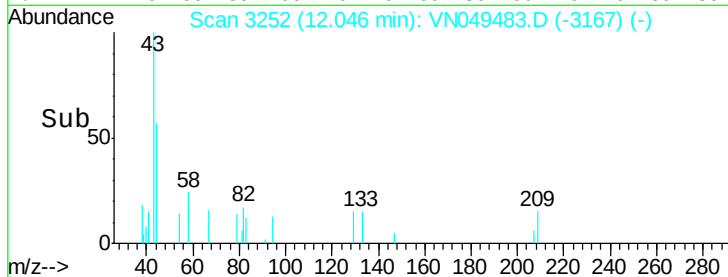
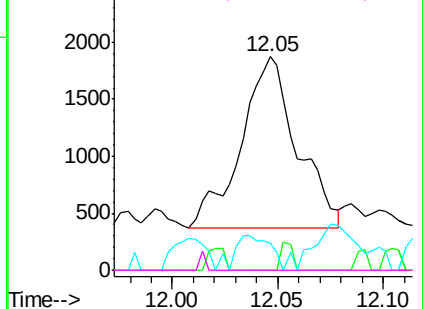


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.52 min Scan# 3399

Delta R.T. 0.01 min

Lab File: VN049483.D

Acq: 21 Jun 2018 21:45

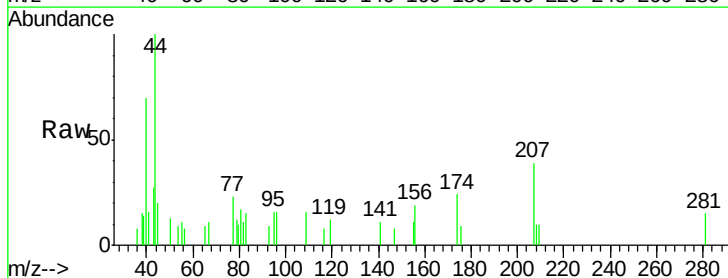
Tgt Ion: 83 Resp: 143

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

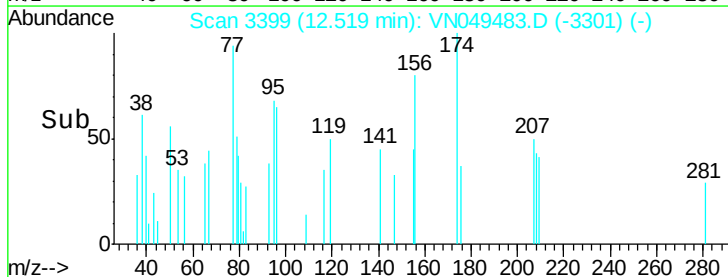
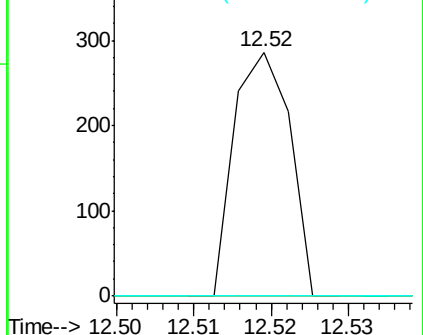
85 0.0 32.0 96.0#

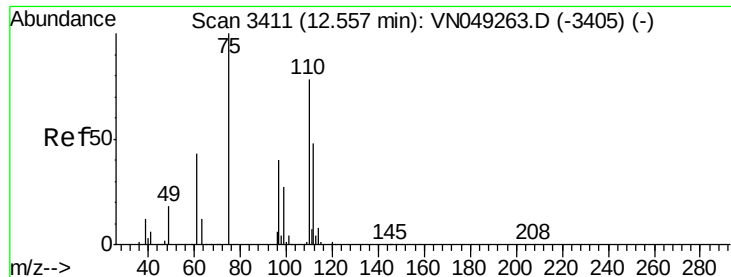


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 39.63 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049483.D

Acq: 21 Jun 2018 21:45

Instrument :

MSVOA\_N

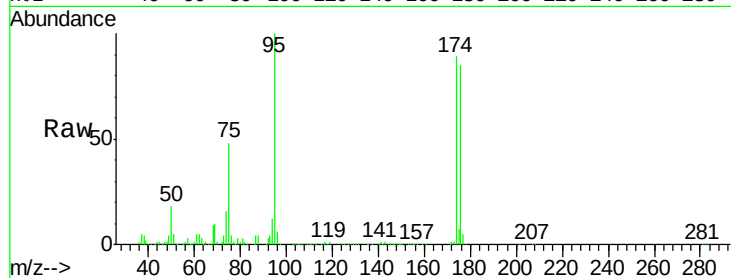
ClientSampled :

Tot Ion: 75 Resp: 354362

Ion Ratio Lower Upper

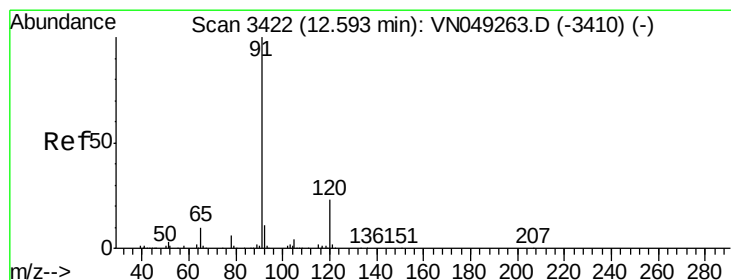
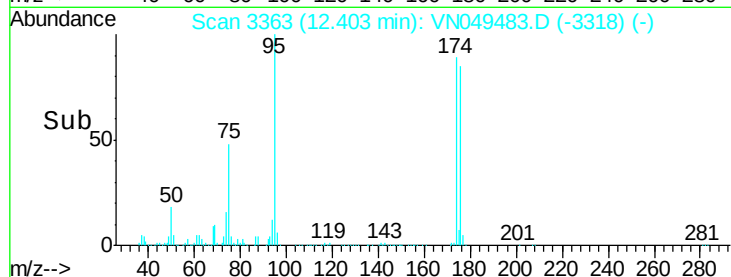
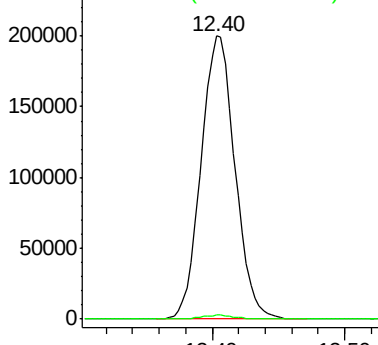
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 0.28 ug/l

RT: 12.60 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN049483.D

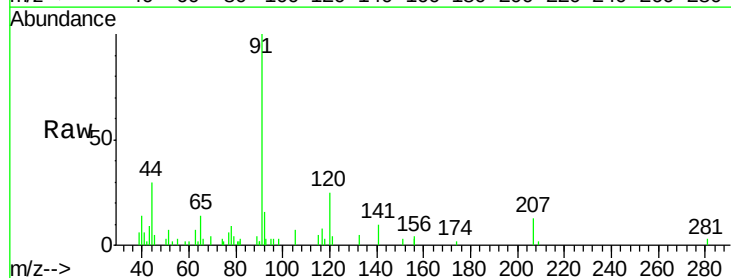
Acq: 21 Jun 2018 21:45

Tgt Ion: 91 Resp: 14391

Ion Ratio Lower Upper

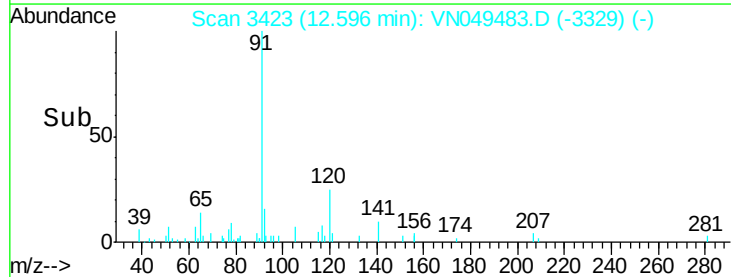
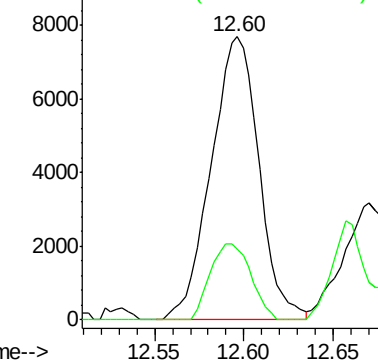
91 100

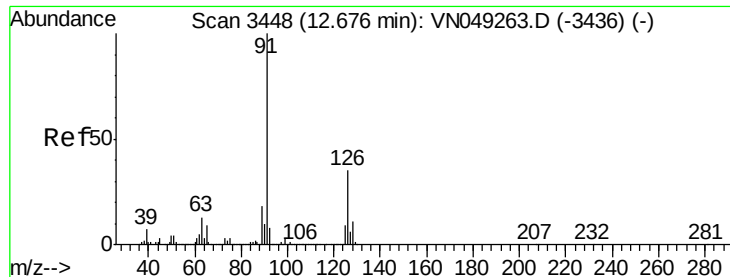
120 22.8 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.20 ug/l

RT: 12.67 min Scan# 3446

Delta R.T. -0.01 min

Lab File: VN049483.D

Acq: 21 Jun 2018 21:45

Instrument :

MSVOA\_N

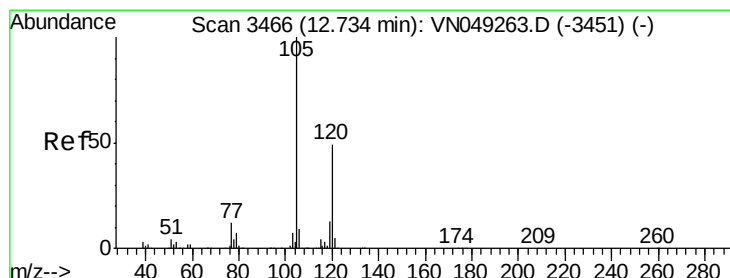
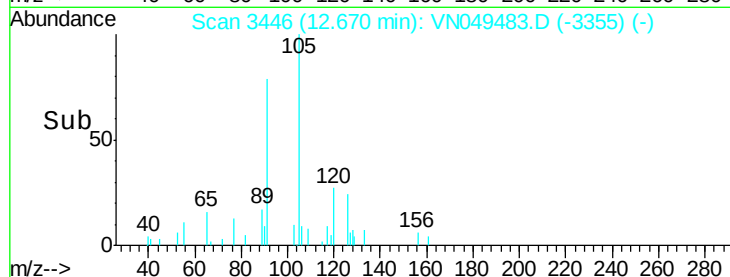
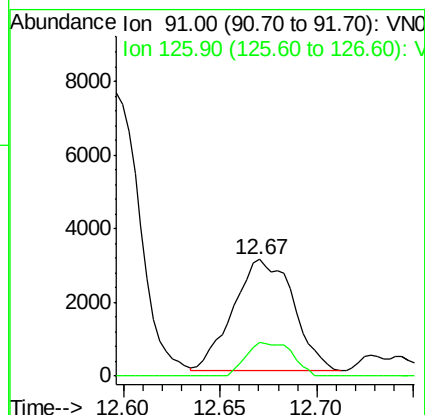
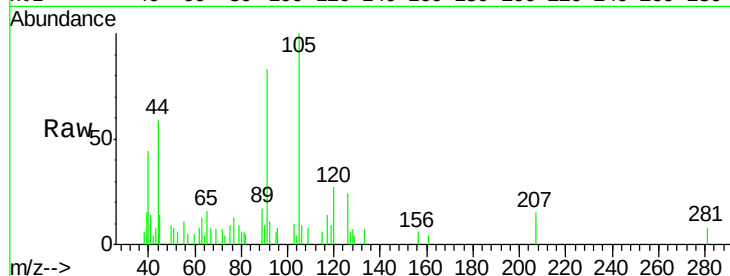
ClientSampled :

Tot Ion: 91 Resp: 6487

Ion Ratio Lower Upper

91 100

126 23.2 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 0.25 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049483.D

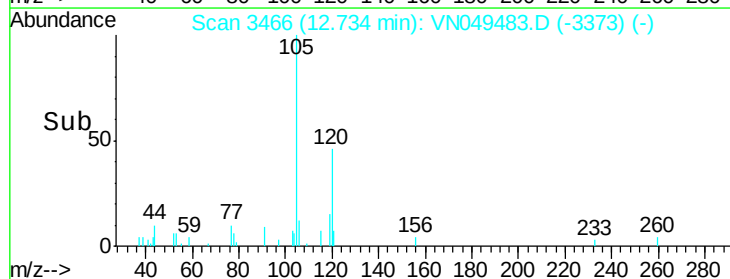
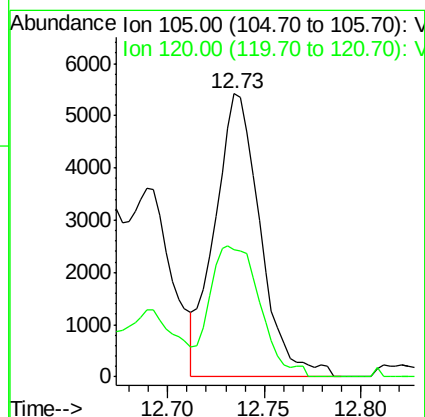
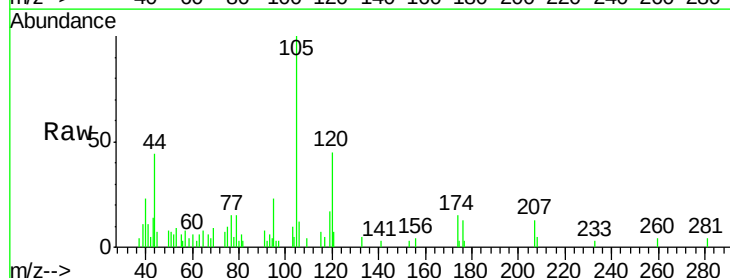
Acq: 21 Jun 2018 21:45

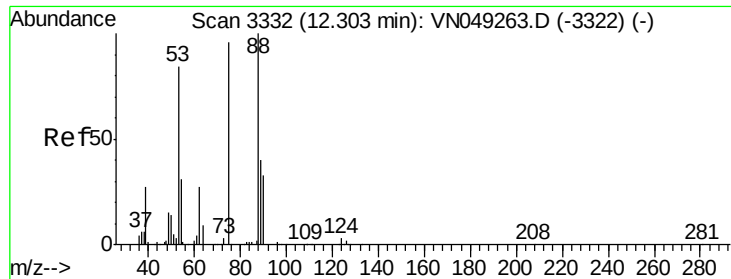
Tgt Ion: 105 Resp: 8875

Ion Ratio Lower Upper

105 100

120 51.6 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 125.24 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049483.D

Acq: 21 Jun 2018 21:45

Instrument :

MSVOA\_N

ClientSampleId :

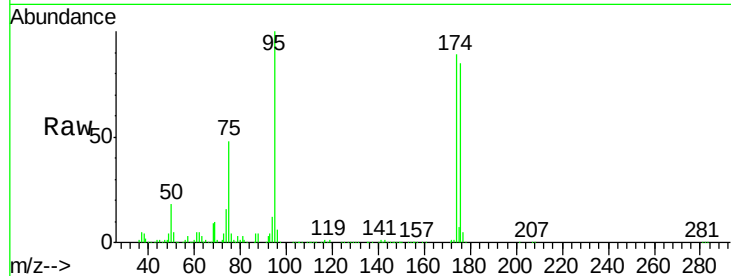
Tot Ion: 75 Resp: 354362

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

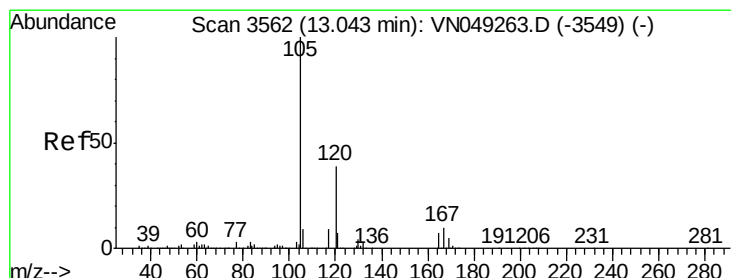
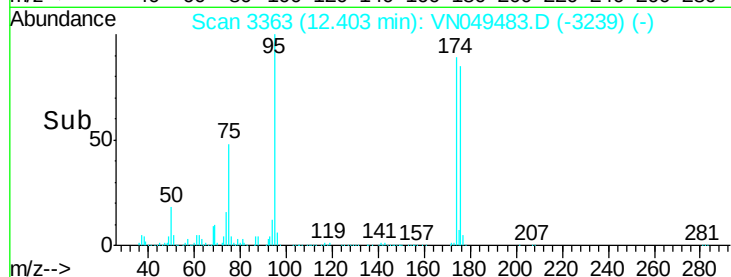
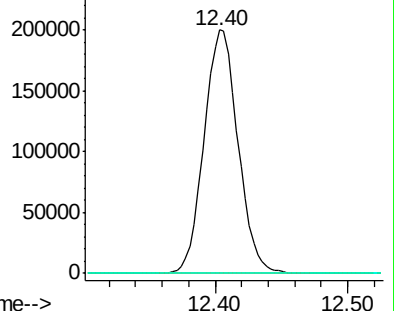
89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049483.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN049483.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN049483.D (-3363) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.75 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049483.D

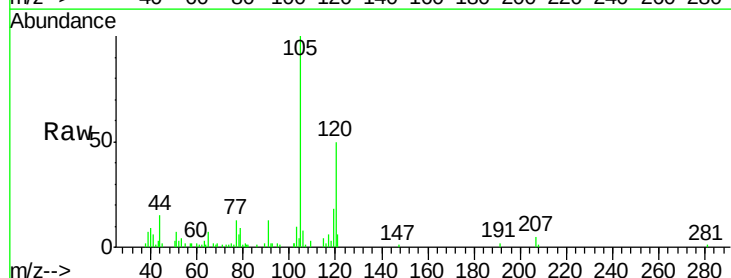
Acq: 21 Jun 2018 21:45

Tgt Ion: 105 Resp: 27056

Ion Ratio Lower Upper

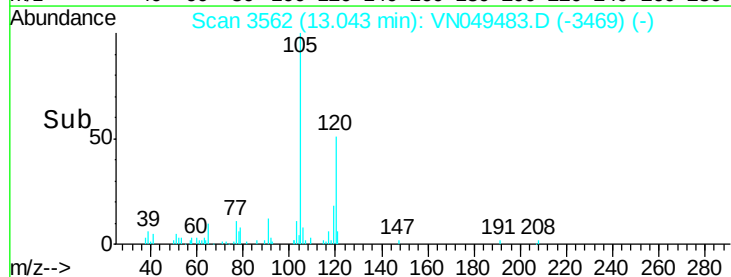
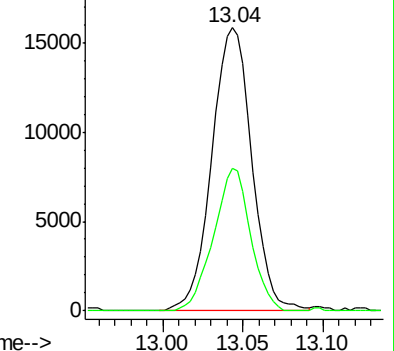
105 100

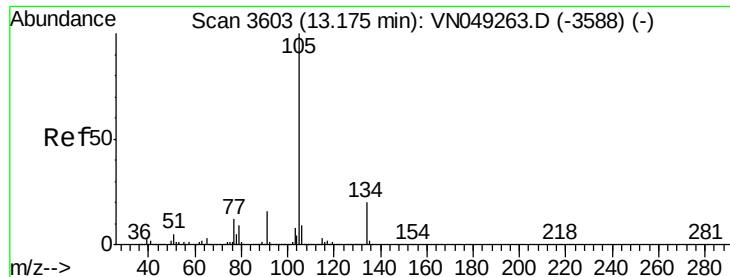
120 46.5 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): VN049483.D (-3562) (-)

Ion 120.00 (119.70 to 120.70): VN049483.D (-3562) (-)





#85

sec-Butylbenzene

Concen: 0.20 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN049483.D

Acq: 21 Jun 2018 21:45

Instrument :

MSVOA\_N

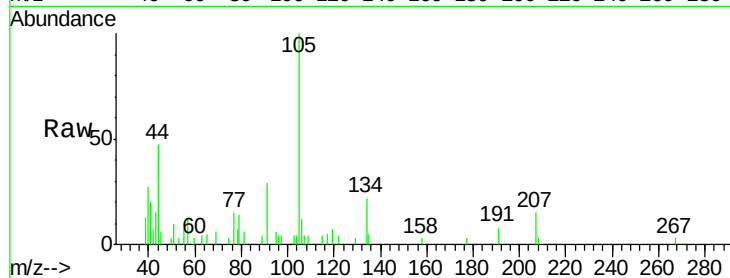
ClientSampleId :

Tot Ion:105 Resp: 8533

Ion Ratio Lower Upper

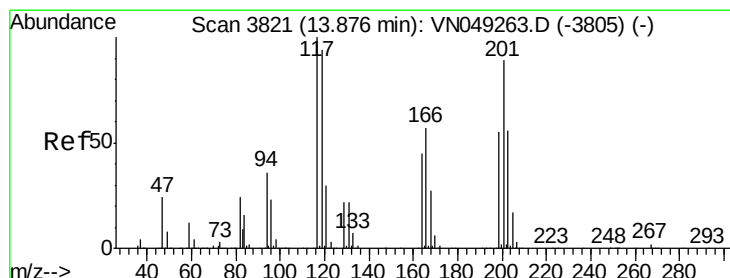
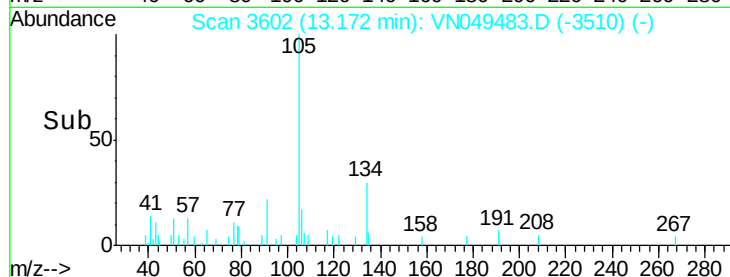
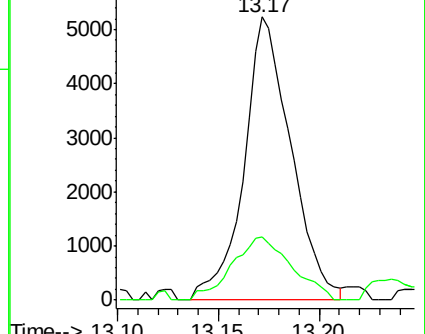
105 100

134 28.3 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: Below Cal

RT: 13.90 min Scan# 3827

Delta R.T. 0.02 min

Lab File: VN049483.D

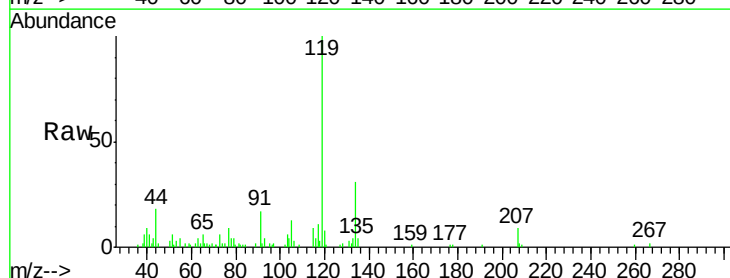
Acq: 21 Jun 2018 21:45

Tgt Ion:117 Resp: 3319

Ion Ratio Lower Upper

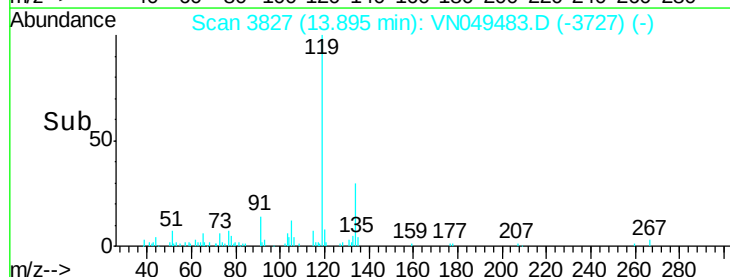
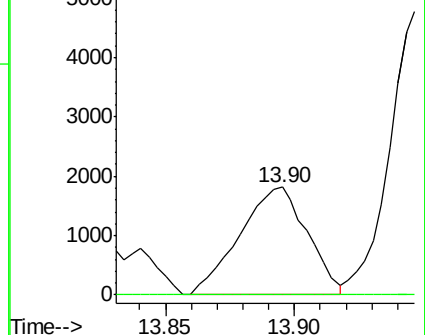
117 100

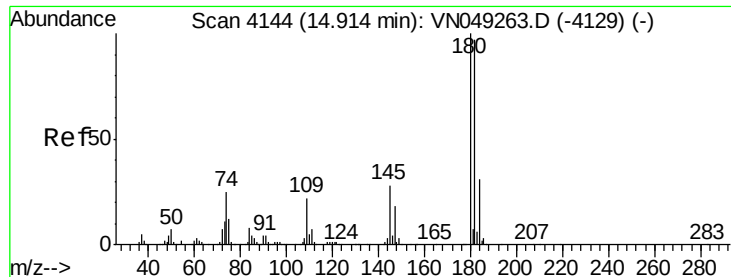
201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

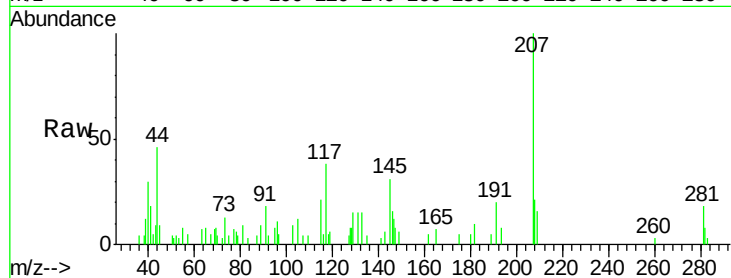




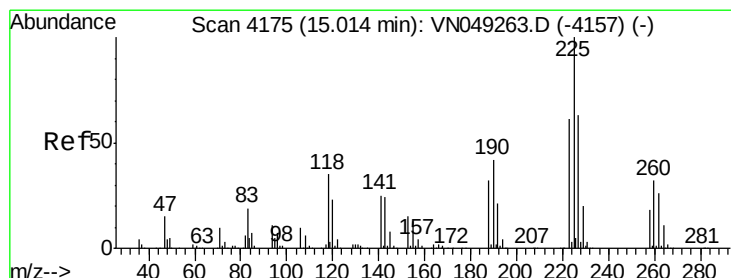
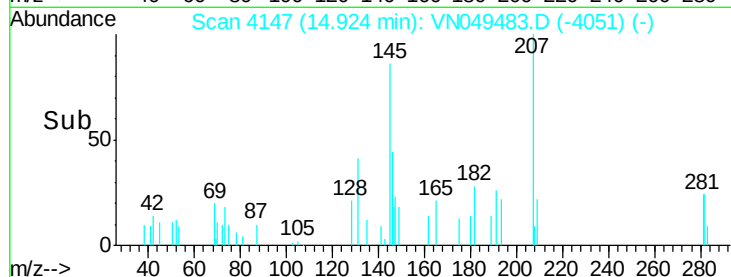
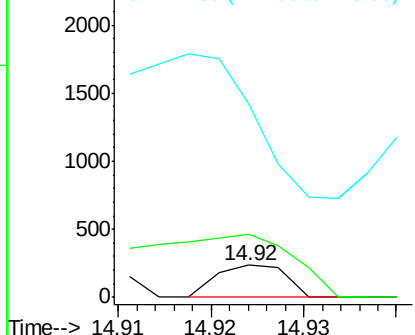
#93  
 1,2,4-Trichlorobenzene  
 Concen: 4.76 ug/l  
 RT: 14.92 min Scan# 4147  
 Delta R.T. 0.01 min  
 Lab File: VN049483.D  
 Acq: 21 Jun 2018 21:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tot Ion:180 Resp: 124  
 Ion Ratio Lower Upper  
 180 100  
 182 544.4 46.9 140.8#  
 145 2875.8 14.7 44.1#

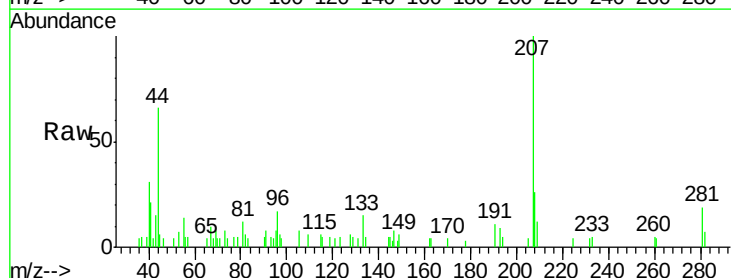


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

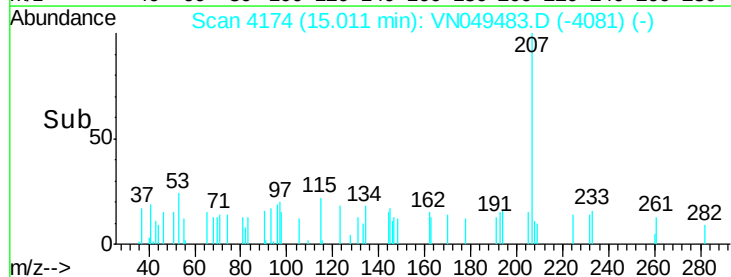
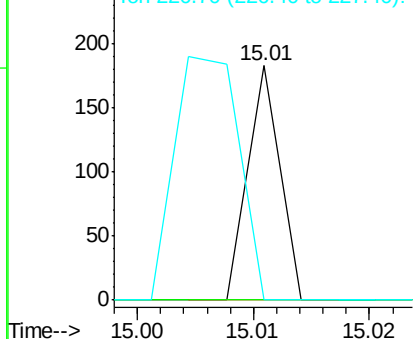


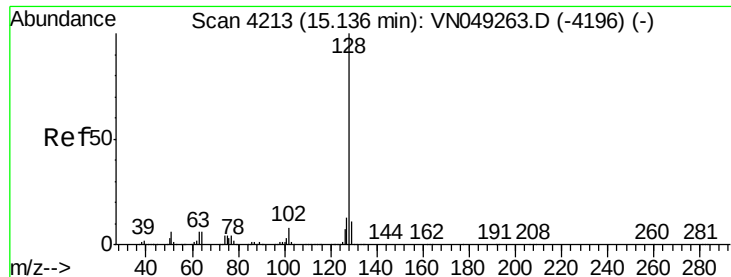
#94  
 Hexachlorobutadiene  
 Concen: Below Cal  
 RT: 15.01 min Scan# 4174  
 Delta R.T. -0.00 min  
 Lab File: VN049483.D  
 Acq: 21 Jun 2018 21:45

Tgt Ion:225 Resp: 35  
 Ion Ratio Lower Upper  
 225 100  
 223 0.0 32.1 96.3#  
 227 205.7 31.8 95.3#



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V

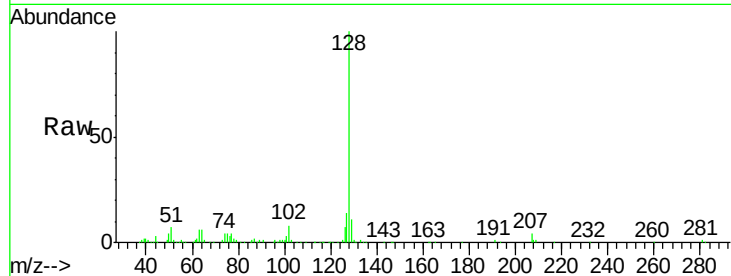




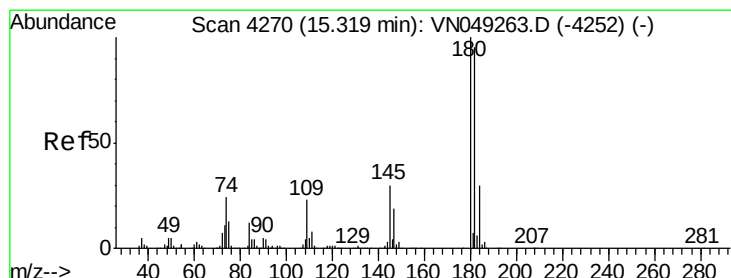
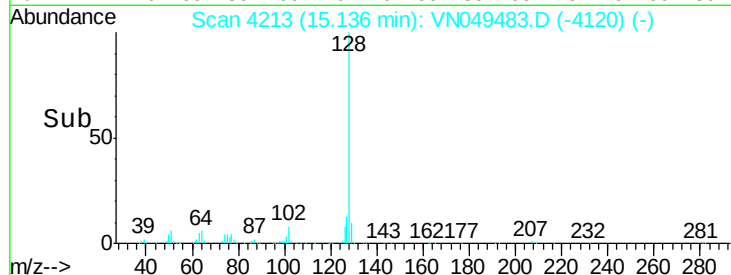
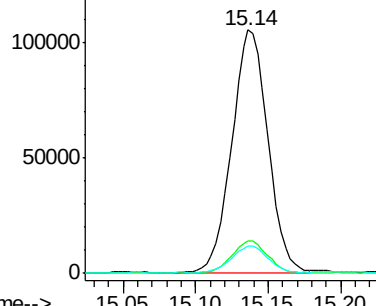
#95  
Naphthalene  
Concen: 14.19 ug/l  
RT: 15.14 min Scan# 4213  
Delta R.T. 0.00 min  
Lab File: VN049483.D  
Acq: 21 Jun 2018 21:45

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:128 Resp: 182155  
Ion Ratio Lower Upper  
128 100  
127 13.4 10.6 16.0  
129 10.6 8.5 12.7

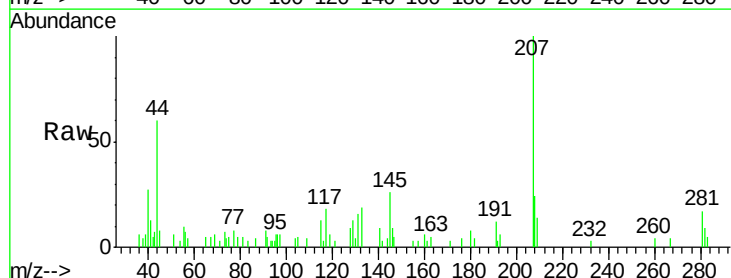


Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



#96  
1,2,3-Trichlorobenzene  
Concen: 3.49 ug/l  
RT: 15.31 min Scan# 4267  
Delta R.T. -0.01 min  
Lab File: VN049483.D  
Acq: 21 Jun 2018 21:45

Tgt Ion:180 Resp: 332  
Ion Ratio Lower Upper  
180 100  
182 147.0 47.3 141.8#  
145 0.0 15.6 46.7#



Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.90 (144.60 to 145.60): V

