

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\  
 Data File : VN054415.D  
 Acq On : 19 Mar 2019 1:50  
 Operator : JC/SP  
 Sample : K1691-10  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CL-01-031519-A

Quant Time: Mar 19 05:19:03 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031219W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 13 03:33:31 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1844786  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 2721975  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 2304928  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 861175   | 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   | 921625   | 47.04 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.08% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 836368   | 47.64 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.28% |          |
| 50) Toluene-d8              | 10.09 | 98   | 3150314  | 48.59 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.18% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 950397   | 41.89 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 83.78% |          |

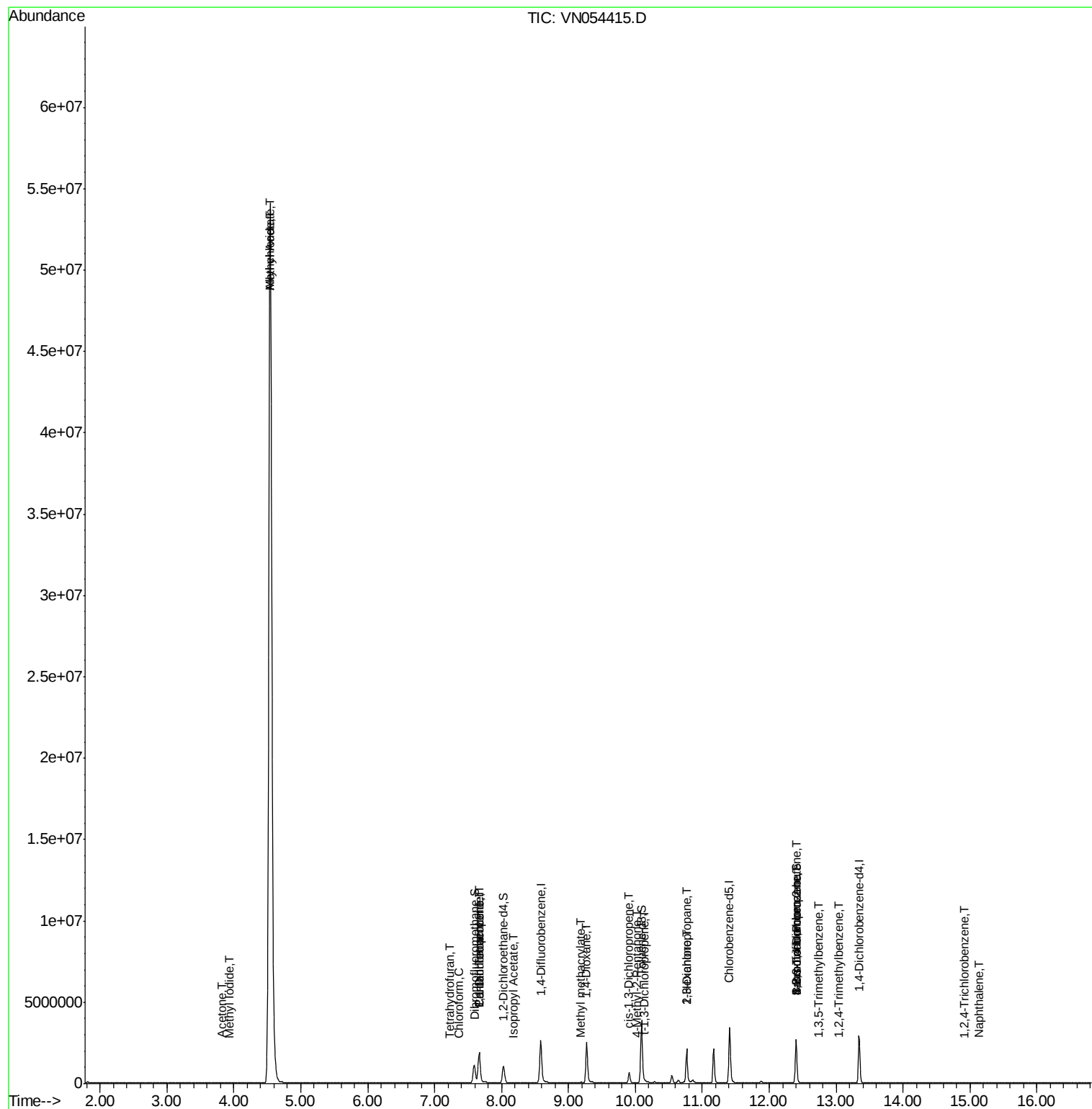
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 10) Methyl Iodide              | 3.94  | 142  | 150      | 1.502     | ug/l # | 45     |
| 14) Allyl chloride             | 4.54  | 41   | 1384479  | 56.303    | ug/l # | 22     |
| 16) Acetone                    | 3.83  | 43   | 16411    | 2.926     | ug/l   | 94     |
| 18) Methyl Acetate             | 4.54  | 43   | 154068   | 13.575    | ug/l   | 90     |
| 29) Tetrahydrofuran            | 7.23  | 42   | 1751     | 0.414     | ug/l # | 56     |
| 30) Chloroform                 | 7.37  | 83   | 6656     | 0.202     | ug/l   | 99     |
| 31) Cyclohexane                | 7.66  | 56   | 28256    | Below Cal | #      | 1      |
| 36) 1,1-Dichloropropene        | 7.66  | 75   | 112407   | 4.484     | ug/l # | 48     |
| 38) Carbon Tetrachloride       | 7.66  | 117  | 152247   | 5.792     | ug/l # | 16     |
| 43) Isopropyl Acetate          | 8.17  | 43   | 28898    | 1.143     | ug/l   | 98     |
| 48) Methyl methacrylate        | 9.19  | 41   | 13529    | 1.054     | ug/l # | 11     |
| 49) 1,4-Dioxane                | 9.27  | 88   | 306      | 1.686     | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone       | 10.02 | 43   | 12990    | 0.971     | ug/l # | 36     |
| 53) t-1,3-Dichloropropene      | 10.15 | 75   | 133      | 1.991     | ug/l # | 42     |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75   | 126923   | 4.514     | ug/l # | 61     |
| 57) 1,3-Dichloropropane        | 10.77 | 76   | 23701    | 0.873     | ug/l # | 43     |
| 59) 2-Hexanone                 | 10.77 | 43   | 319397   | 35.877    | ug/l # | 50     |
| 71) Bromoform                  | 12.41 | 173  | 5779     | 2.744     | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 443921   | 35.054    | ug/l # | 100    |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 16180    | 0.282     | ug/l   | 96     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 443921   | 119.830   | ug/l # | 11     |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 20004    | 0.356     | ug/l   | 98     |
| 93) 1,2,4-Trichlorobenzene     | 14.92 | 180  | 247      | 2.529     | ug/l # | 36     |
| 95) Naphthalene                | 15.13 | 128  | 15322    | 3.847     | ug/l   | 96     |

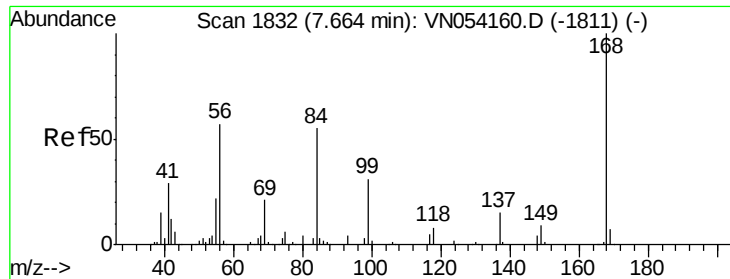
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 19 05:19:03 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031219W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 13 03:33:31 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054415.D

Acq: 19 Mar 2019 1:50

Instrument :

MSVOA\_N

ClientSampleId :

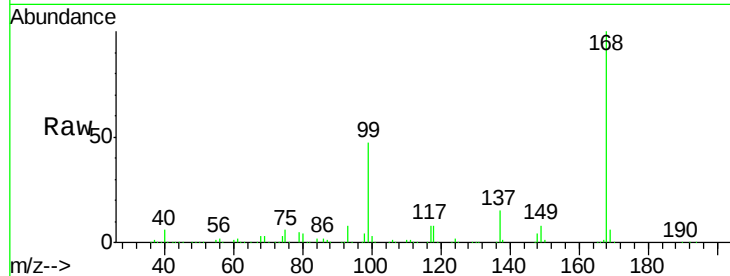
CL-01-031519-A

Tot Ion:168 Resp: 1844786

Ion Ratio Lower Upper

168 100

99 47.4 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

800000

600000

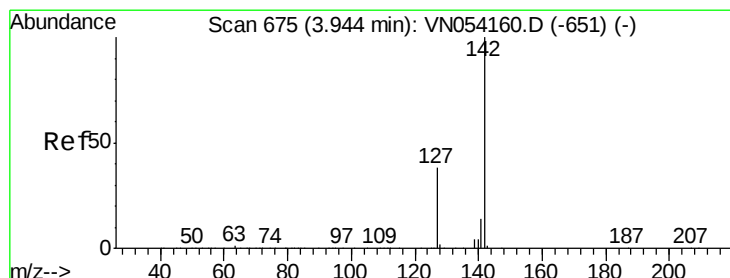
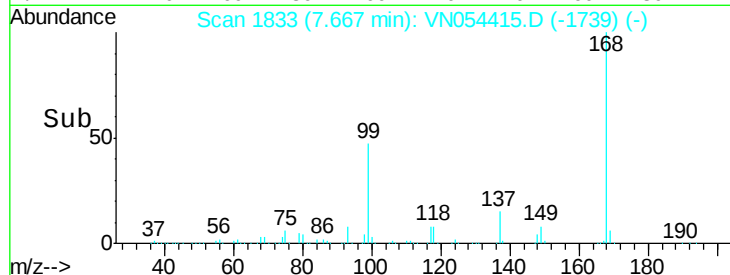
400000

200000

0

7.60 7.65 7.70 7.75 7.80

Time-->



#10

Methyl Iodide

Concen: 1.502 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.01 min

Lab File: VN054415.D

Acq: 19 Mar 2019 1:50

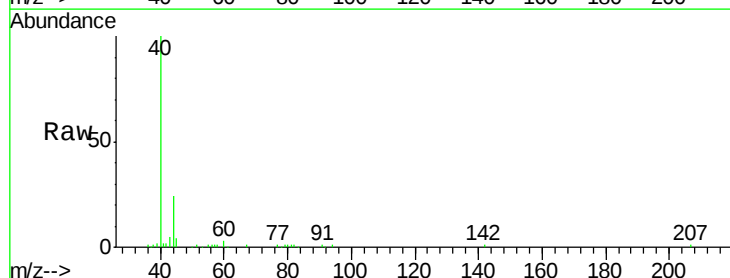
Tgt Ion:142 Resp: 150

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

300

250

200

150

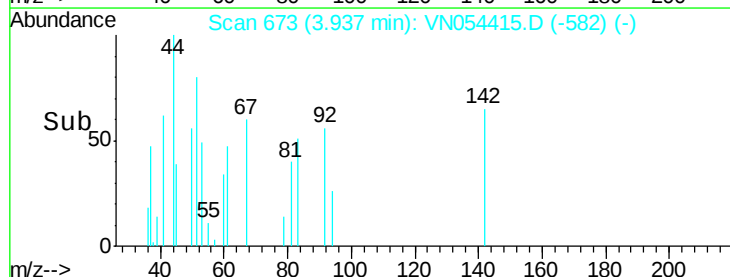
100

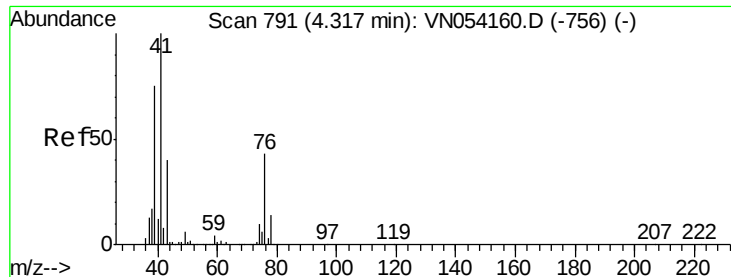
50

0

3.92 3.93 3.94 3.95

Time-->





#14

Allvl chloride

Concen: 56.303 ug/l

RT: 4.54 min Scan# 861

Delta R.T. 0.23 min

Lab File: VN054415.D

Acq: 19 Mar 2019 1:50

Instrument :

MSVOA\_N

ClientSampleId :

CL-01-031519-A

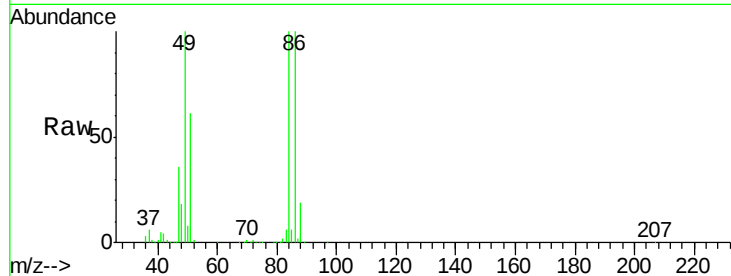
Tot Ion: 41 Resp: 1384479

Ion Ratio Lower Upper

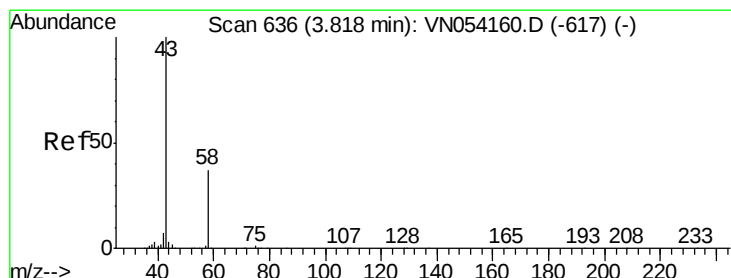
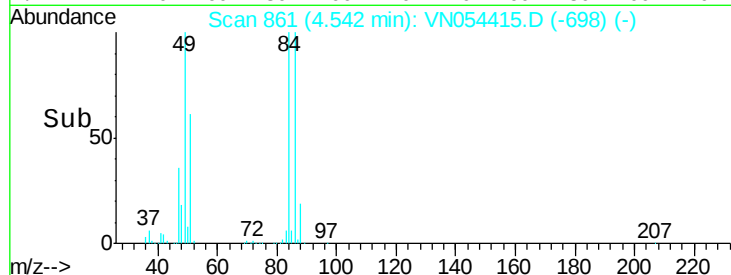
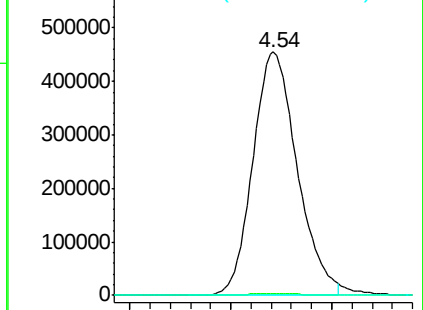
41 100

39 0.9 58.2 87.4#

76 0.0 31.7 47.5#



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



#16

Acetone

Concen: 2.926 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN054415.D

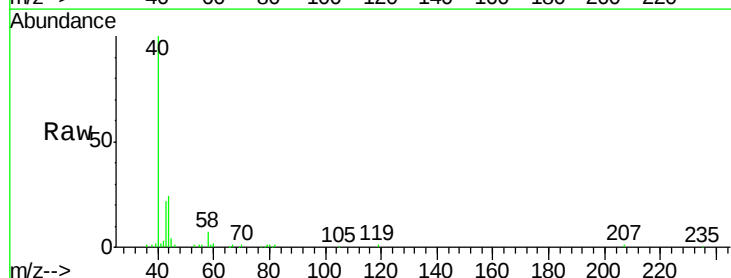
Acq: 19 Mar 2019 1:50

Tgt Ion: 43 Resp: 16411

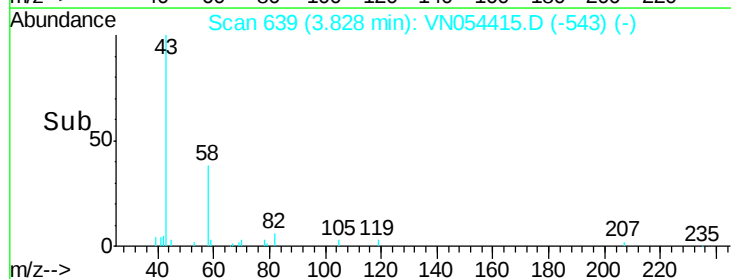
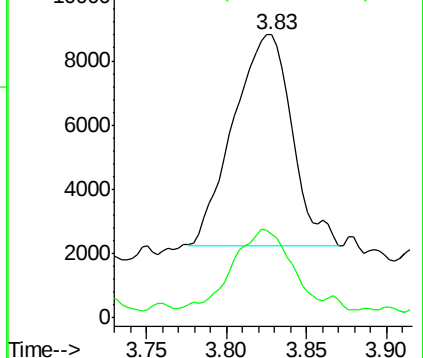
Ion Ratio Lower Upper

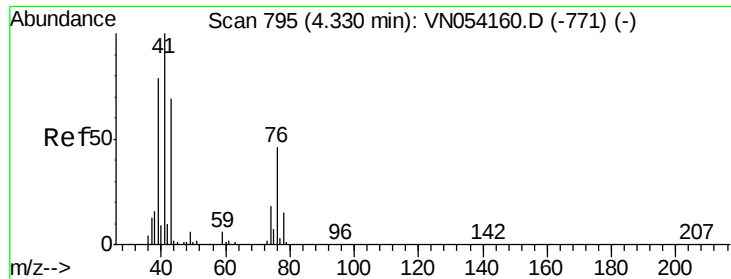
43 100

58 33.6 29.9 44.9



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

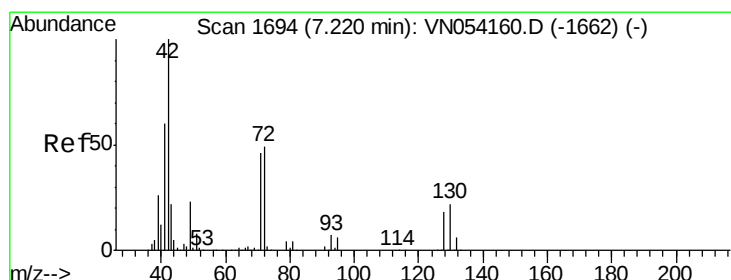
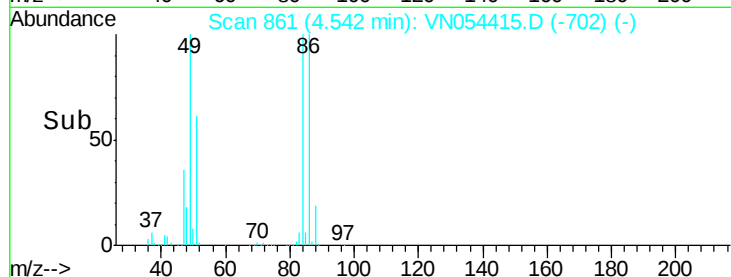
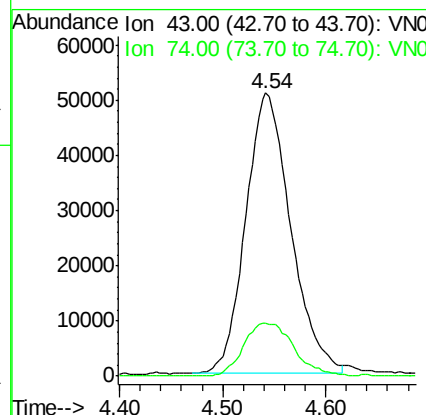
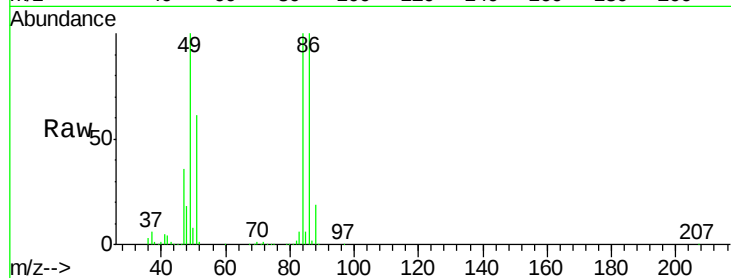




#18  
Methvl Acetate  
Concen: 13.575 ug/l  
RT: 4.54 min Scan# 861  
Delta R.T. 0.21 min  
Lab File: VN054415.D  
Acq: 19 Mar 2019 1:50

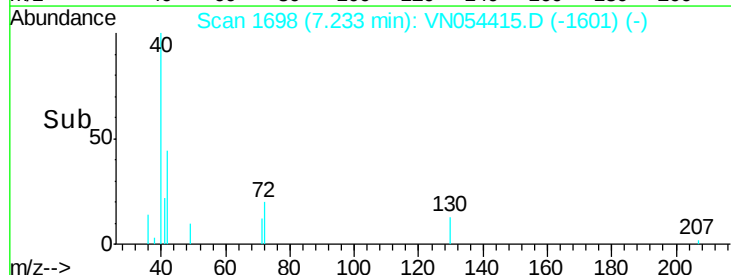
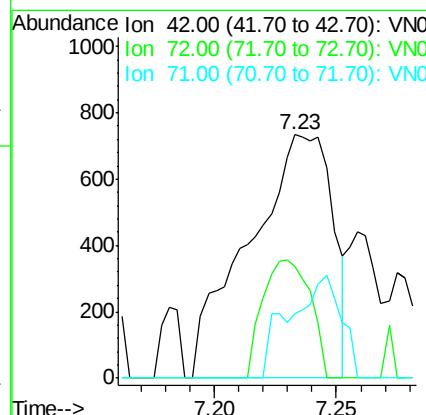
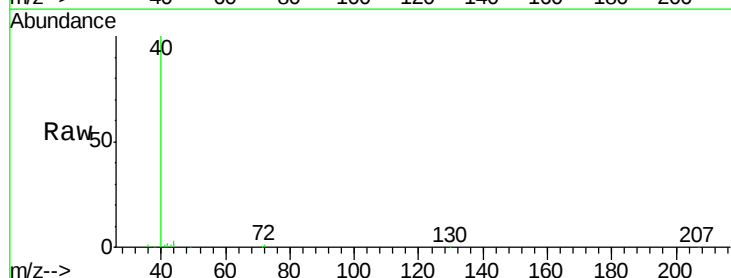
Instrument :  
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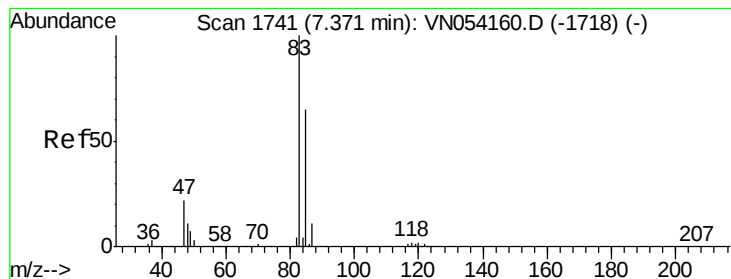
Tot Ion: 43 Resp: 154068  
Ion Ratio Lower Upper  
43 100  
74 21.0 20.8 31.2



#29  
Tetrahydrofuran  
Concen: 0.414 ug/l  
RT: 7.23 min Scan# 1698  
Delta R.T. 0.01 min  
Lab File: VN054415.D  
Acq: 19 Mar 2019 1:50

Tgt Ion: 42 Resp: 1751  
Ion Ratio Lower Upper  
42 100  
72 27.5 37.8 56.6#  
71 6.1 36.2 54.2#





#30

Chloroform

Concen: 0.202 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN054415.D

Acq: 19 Mar 2019 1:50

Instrument :

MSVOA\_N

ClientSampleId :

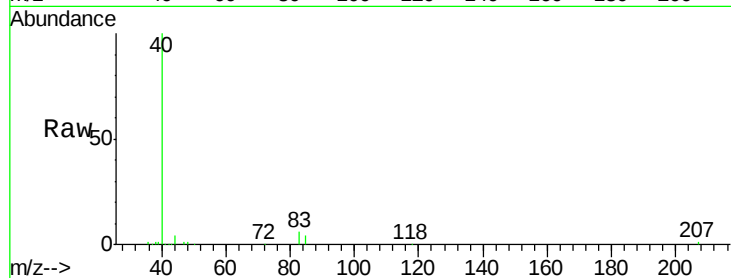
CL-01-031519-A

Tot Ion: 83 Resp: 6656

Ion Ratio Lower Upper

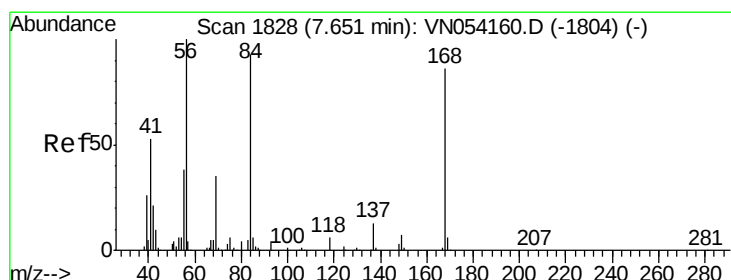
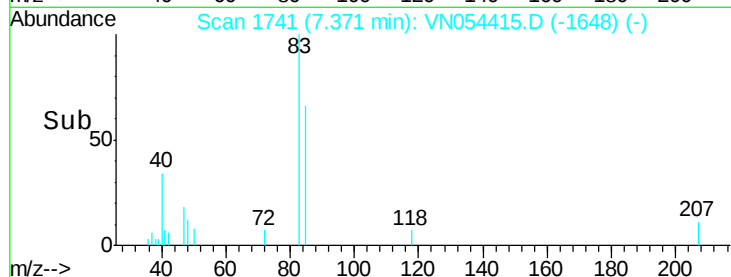
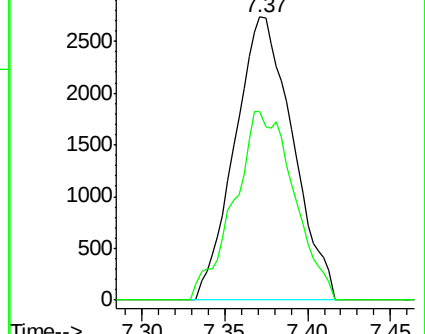
83 100

85 66.5 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN054415.D

Acq: 19 Mar 2019 1:50

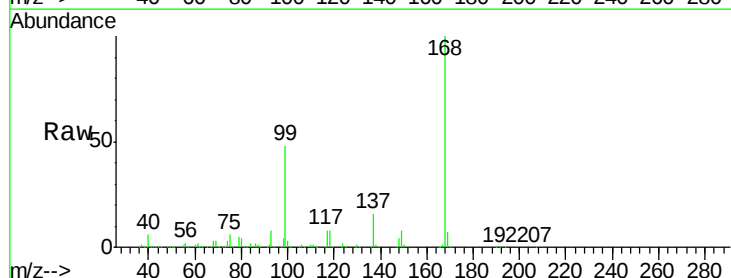
Tgt Ion: 56 Resp: 28256

Ion Ratio Lower Upper

56 100

69 182.2 27.8 41.6#

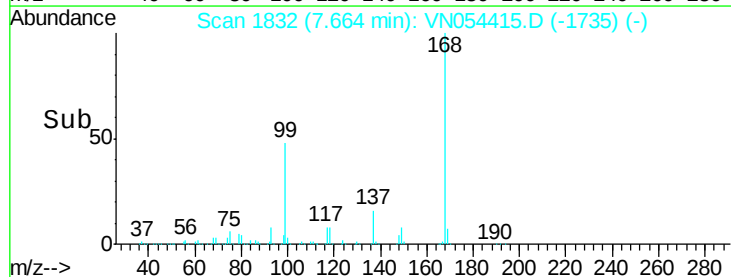
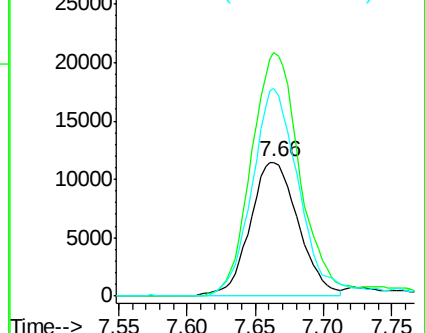
84 154.2 74.6 111.8#

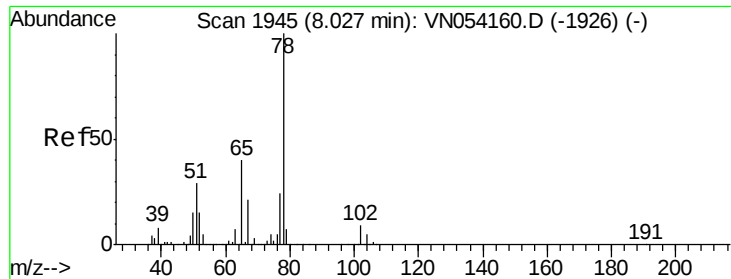


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 47.042 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054415.D

Acq: 19 Mar 2019 1:50

Instrument :

MSVOA\_N

ClientSampleId :

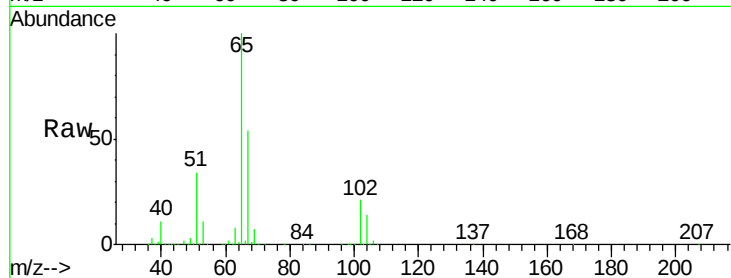
CL-01-031519-A

Tot Ion: 65 Resp: 921625

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054415.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054415.D (-1852) (-)

8.03

400000

300000

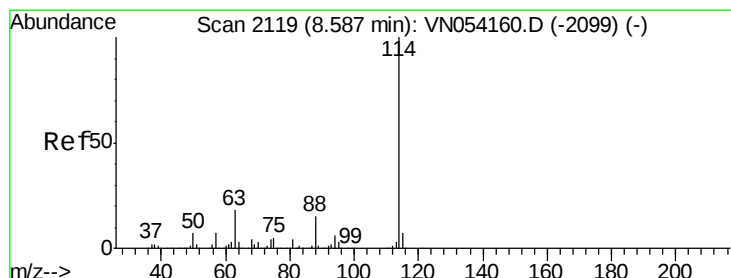
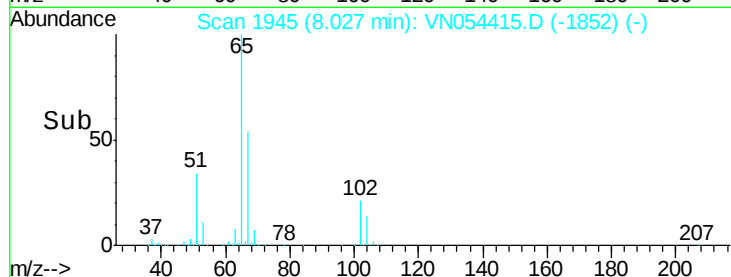
200000

100000

0

7.90 8.00 8.10 8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054415.D

Acq: 19 Mar 2019 1:50

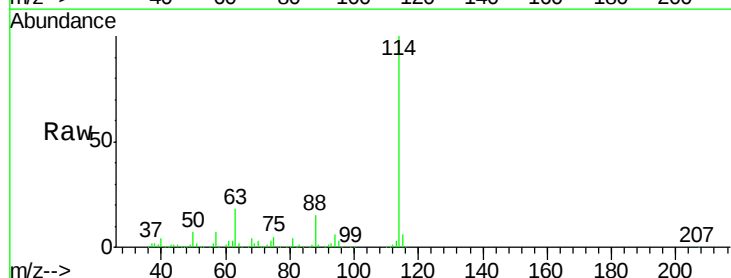
Tgt Ion: 114 Resp: 2721975

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.2

88 14.6 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054415.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054415.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054415.D (-2026) (-)

8.59

1500000

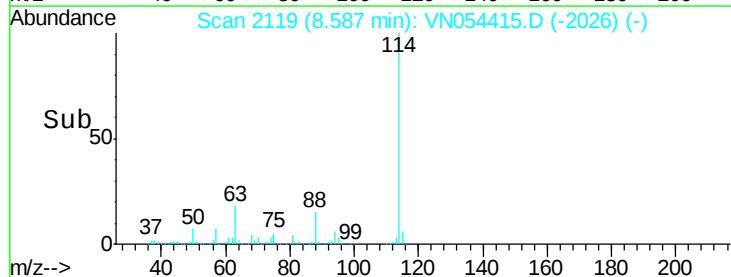
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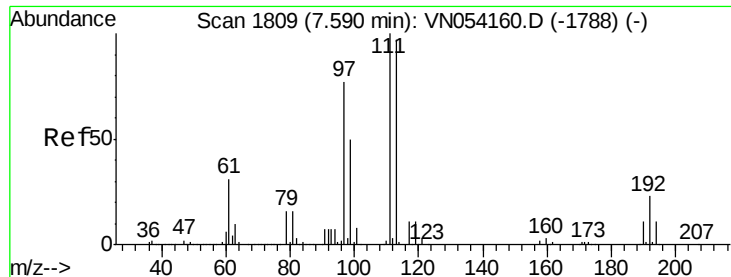
500000

0

8.40 8.60 8.80

Time-->

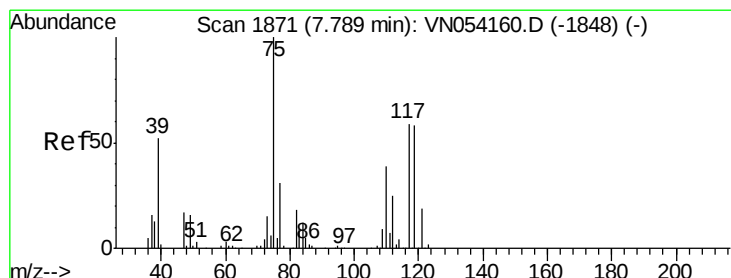
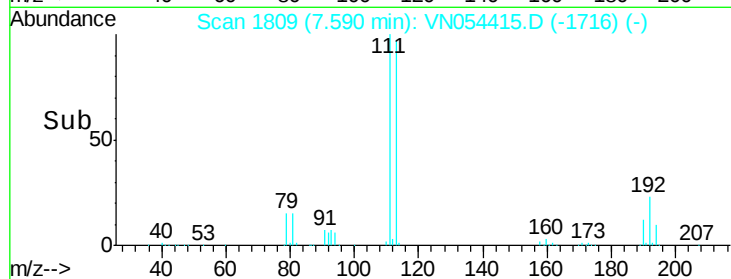
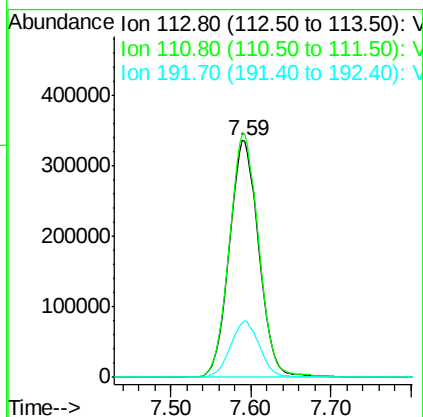
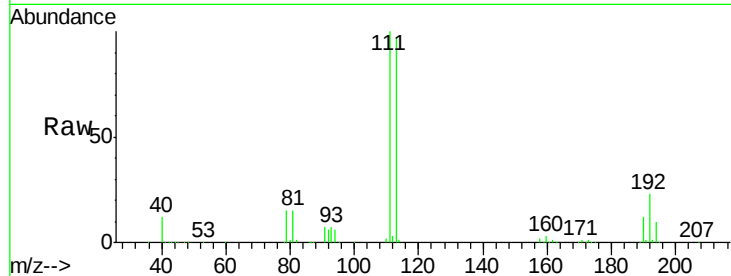




#35  
 Dibromofluoromethane  
 Concen: 47.641 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN054415.D  
 Acq: 19 Mar 2019 1:50

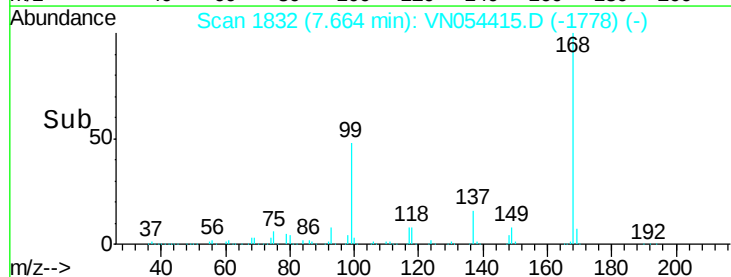
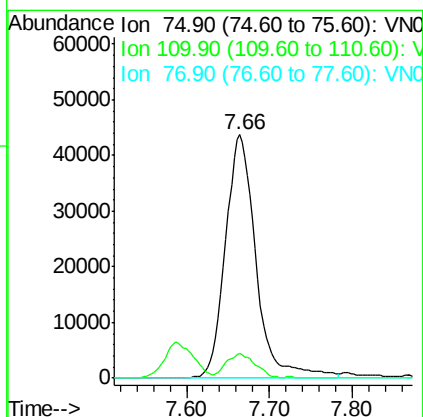
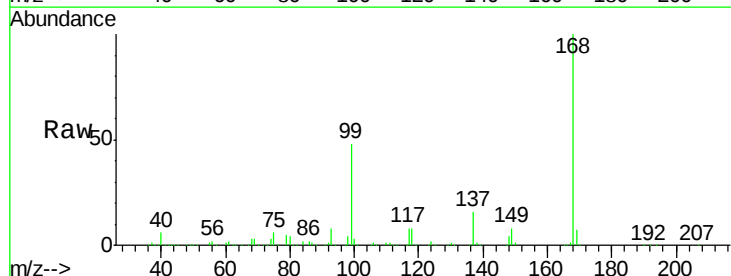
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CL-01-031519-A

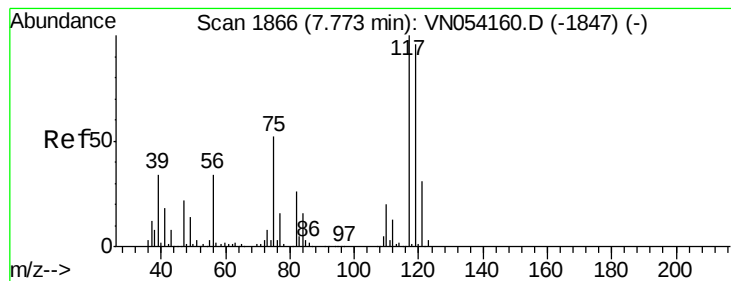
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.1 | 82.2  | 123.4 |
| 192     | 23.6  | 19.2  | 28.8  |



#36  
 1,1-Dichloropropene  
 Concen: 4.484 ug/l  
 RT: 7.66 min Scan# 1832  
 Delta R.T. -0.13 min  
 Lab File: VN054415.D  
 Acq: 19 Mar 2019 1:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 9.6   | 19.1  | 57.5# |
| 77      | 0.0   | 25.0  | 37.4# |





#38

Carbon Tetrachloride

Concen: 5.792 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054415.D

Acq: 19 Mar 2019 1:50

Instrument :

MSVOA\_N

ClientSampleId :

CL-01-031519-A

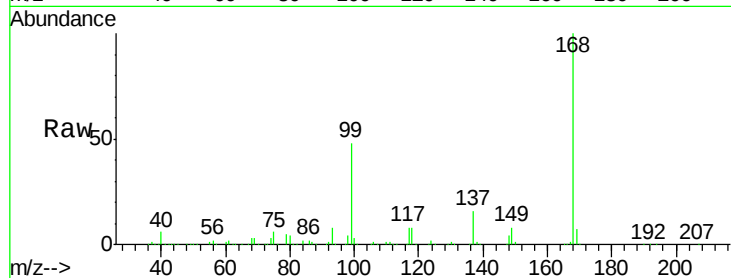
Tot Ion:117 Resp: 152247

Ion Ratio Lower Upper

117 100

119 4.7 76.3 114.5#

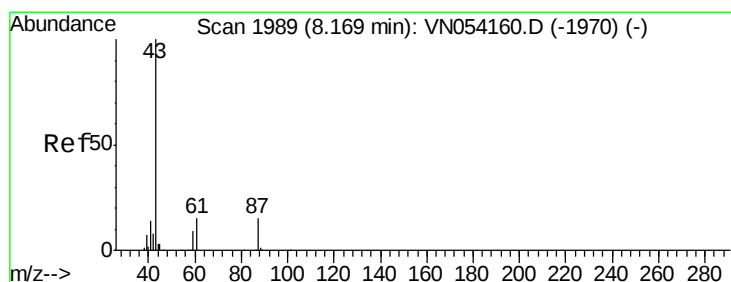
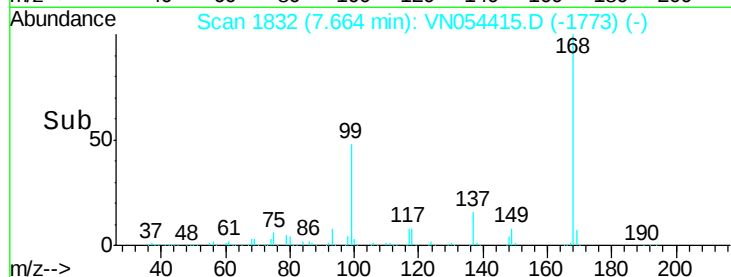
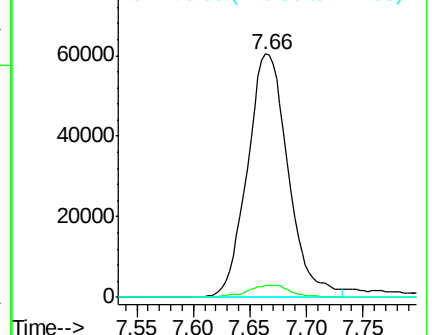
121 0.0 24.6 36.8#



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: 1.143 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN054415.D

Acq: 19 Mar 2019 1:50

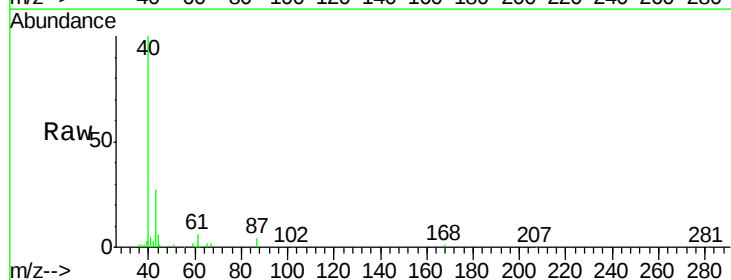
Tgt Ion: 43 Resp: 28898

Ion Ratio Lower Upper

43 100

61 20.7 15.8 23.8

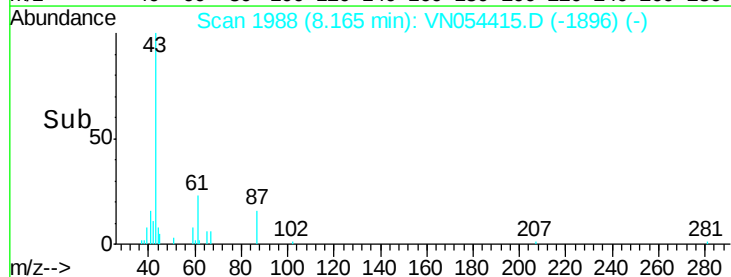
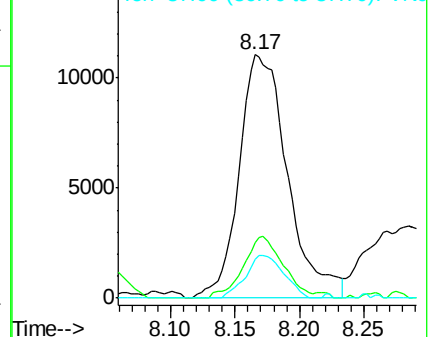
87 13.9 12.0 18.0

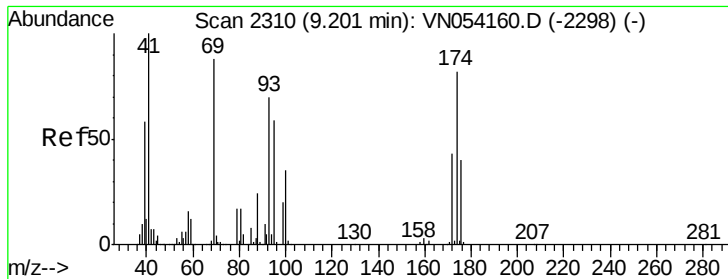


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

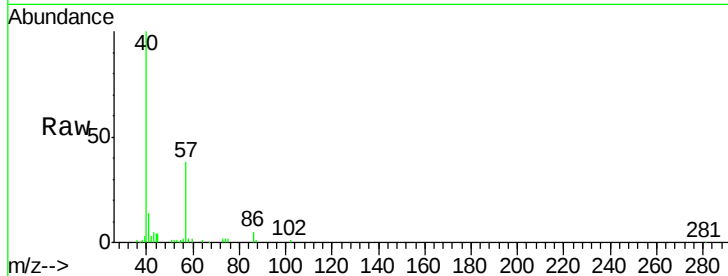




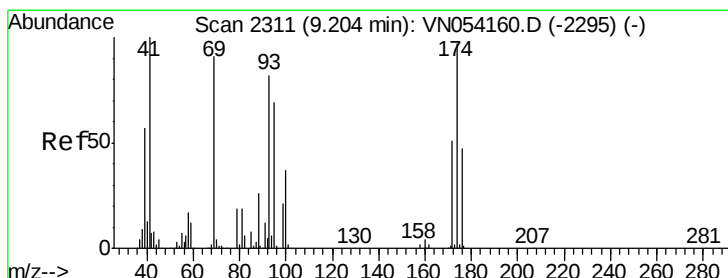
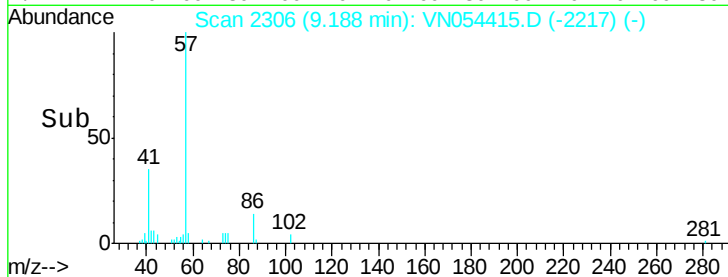
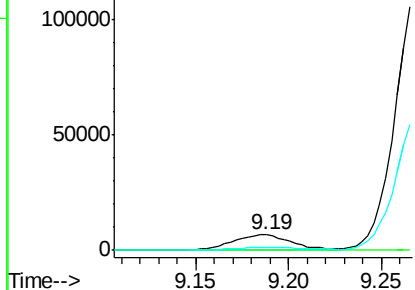
#48  
Methyl methacrylate  
Concen: 1.054 ug/l  
RT: 9.19 min Scan# 2306  
Delta R.T. -0.01 min  
Lab File: VN054415.D  
Acq: 19 Mar 2019 1:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
CL-01-031519-A

Tot Ion: 41 Resp: 13529  
Ion Ratio Lower Upper  
41 100  
69 0.0 72.6 108.8#  
39 0.0 47.5 71.3#

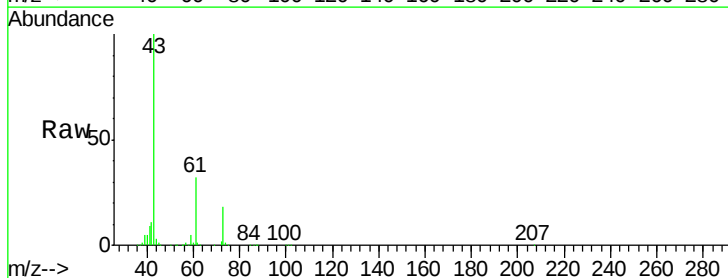


Abundance Ion 41.00 (40.70 to 41.70): VNC  
Ion 69.00 (68.70 to 69.70): VNC  
Ion 39.00 (38.70 to 39.70): VNC

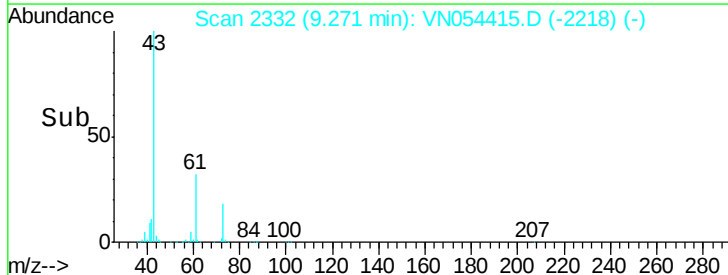
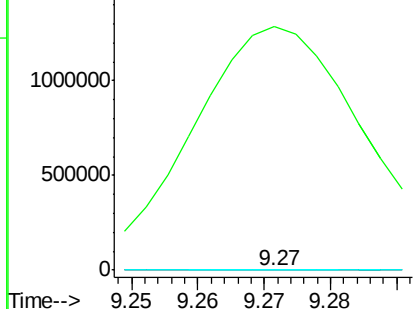


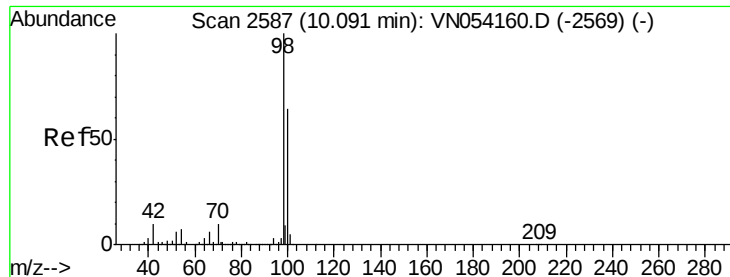
#49  
1,4-Dioxane  
Concen: 1.686 ug/l  
RT: 9.27 min Scan# 2332  
Delta R.T. 0.07 min  
Lab File: VN054415.D  
Acq: 19 Mar 2019 1:50

Tgt Ion: 88 Resp: 306  
Ion Ratio Lower Upper  
88 100  
43 847416.7 24.1 36.1#  
58 3543.1 50.8 76.2#



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





#50

Toluene-d8

Concen: 48.589 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054415.D

Acq: 19 Mar 2019 1:50

Instrument :

MSVOA\_N

ClientSampleId :

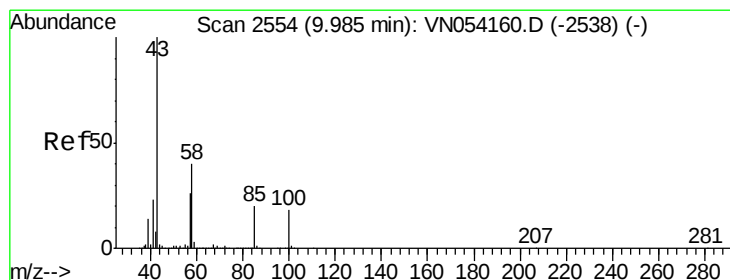
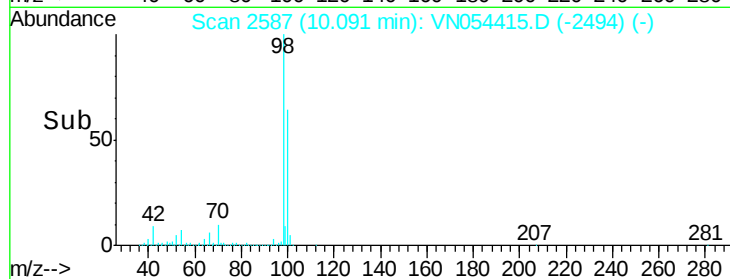
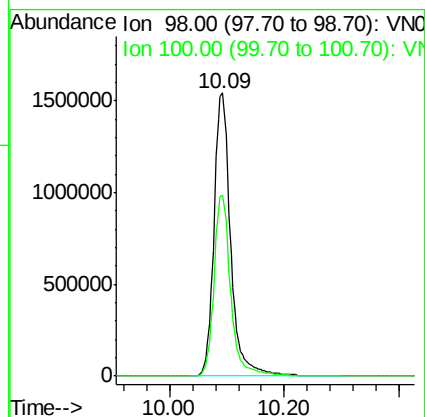
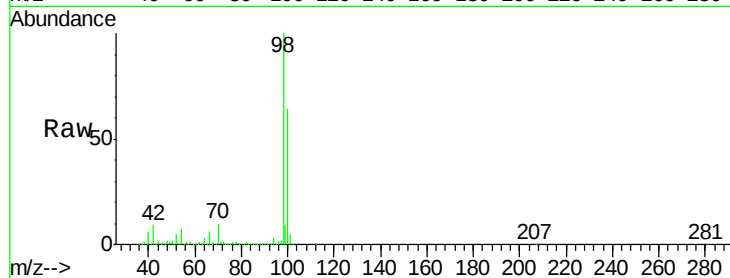
CL-01-031519-A

Tot Ion: 98 Resp: 3150314

Ion Ratio Lower Upper

98 100

100 63.7 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 0.971 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN054415.D

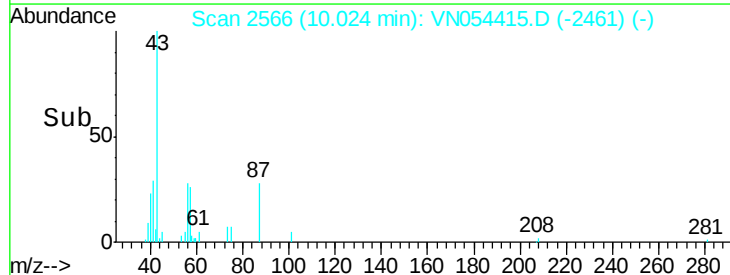
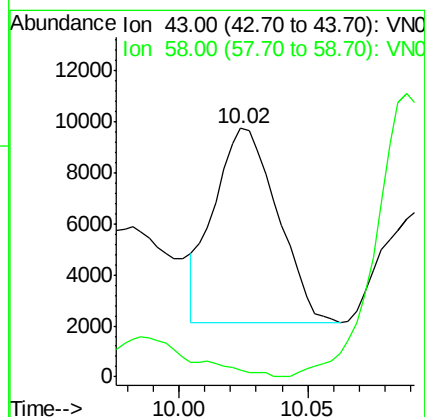
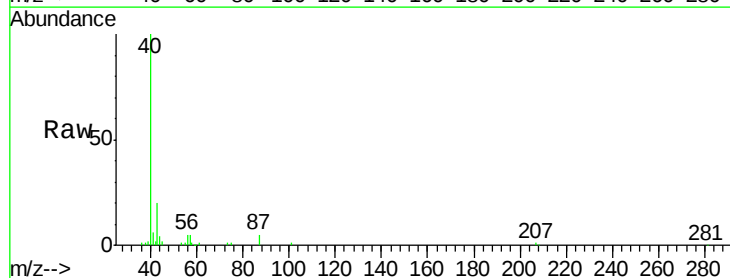
Acq: 19 Mar 2019 1:50

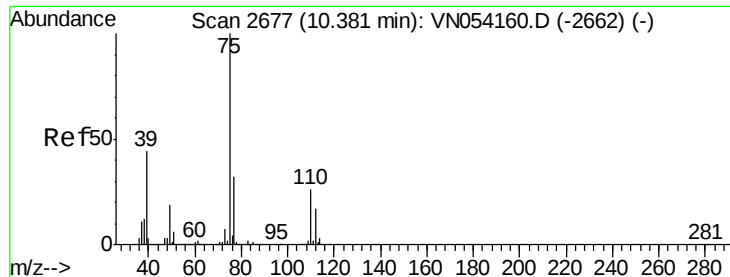
Tgt Ion: 43 Resp: 12990

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.6#





#53

t-1,3-Dichloropropene

Concen: 1.991 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.23 min

Lab File: VN054415.D

Acq: 19 Mar 2019 1:50

Instrument :

MSVOA\_N

ClientSampleId :

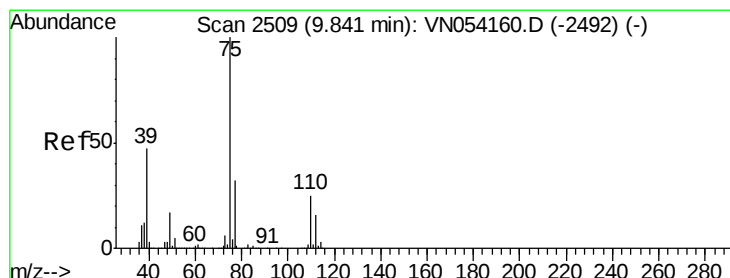
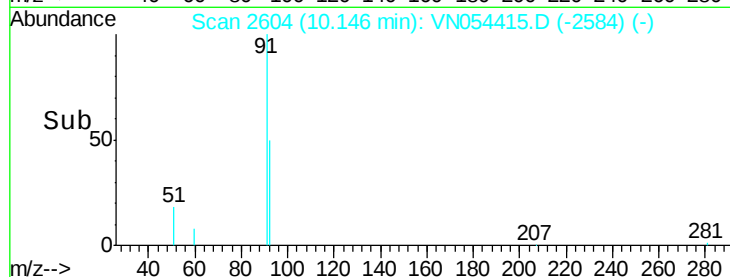
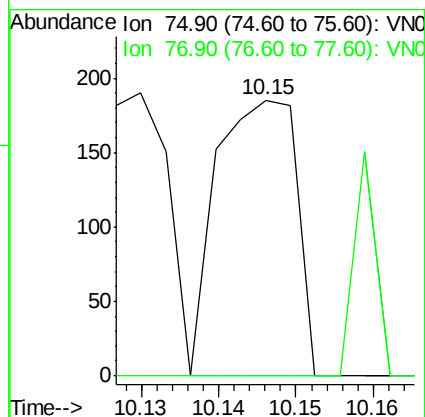
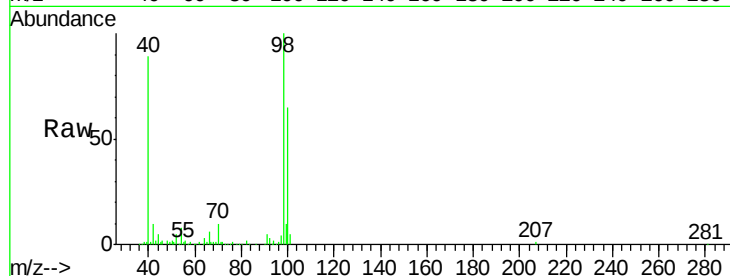
CL-01-031519-A

Tot Ion: 75 Resp: 133

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#



#54

cis-1,3-Dichloropropene

Concen: 4.514 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN054415.D

Acq: 19 Mar 2019 1:50

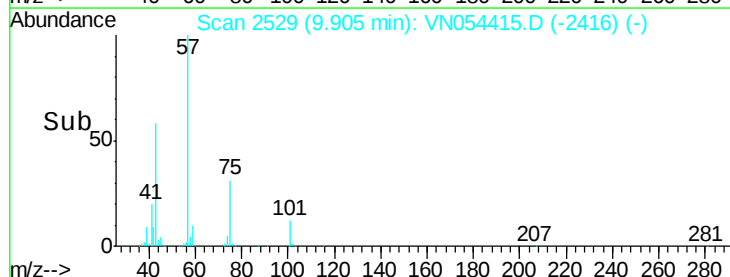
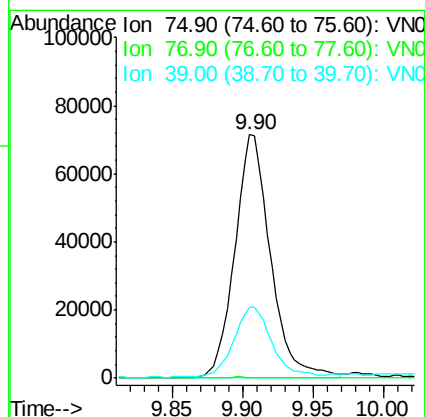
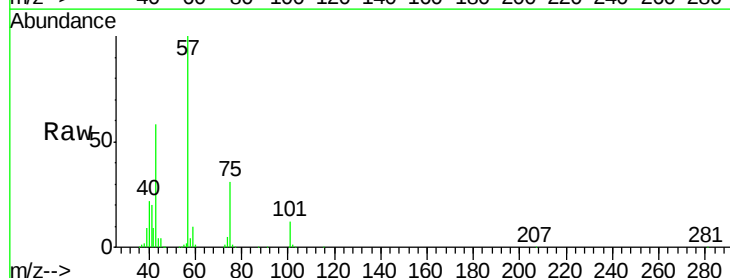
Tgt Ion: 75 Resp: 126923

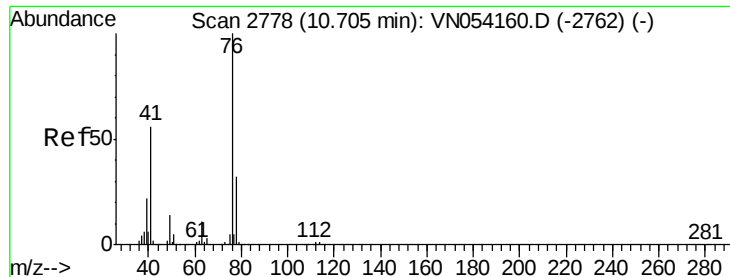
Ion Ratio Lower Upper

75 100

77 0.3 25.4 38.0#

39 28.4 37.2 55.8#





#57

1,3-Dichloropropane

Concen: 0.873 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN054415.D

Acq: 19 Mar 2019 1:50

Instrument :

MSVOA\_N

ClientSampleId :

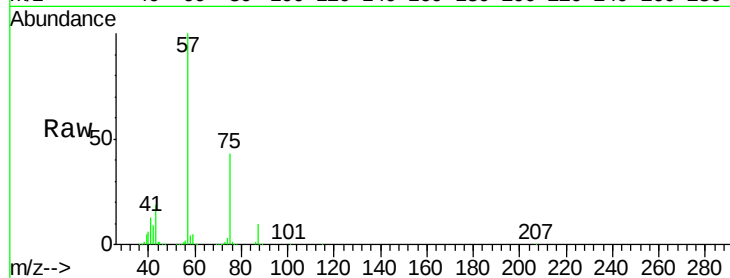
CL-01-031519-A

Tot Ion: 76 Resp: 23701

Ion Ratio Lower Upper

76 100

78 0.3 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VN054415.D (-2685) (-)

Ion 77.90 (77.60 to 78.60): VN054415.D (-2685) (-)

10.77

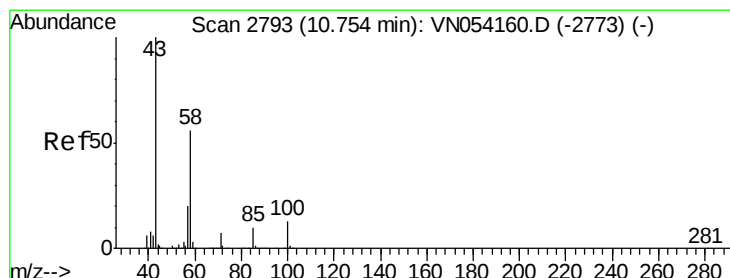
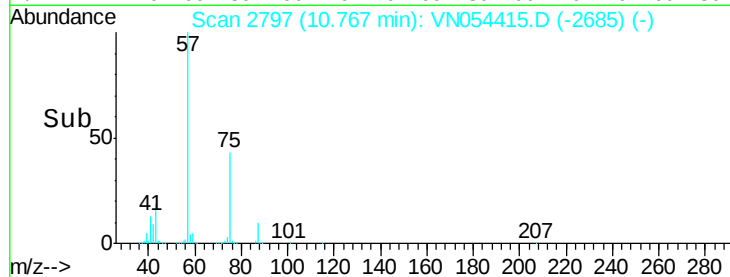
15000

10000

5000

0

Time-->



#59

2-Hexanone

Concen: 35.877 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN054415.D

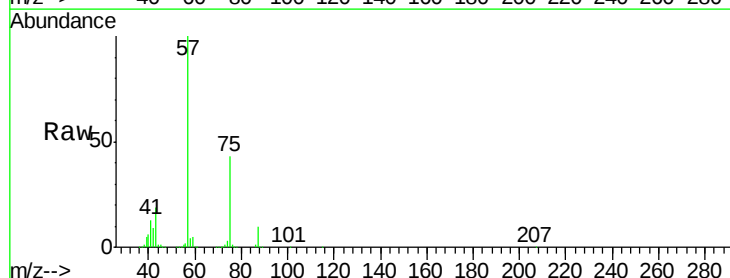
Acq: 19 Mar 2019 1:50

Tgt Ion: 43 Resp: 319397

Ion Ratio Lower Upper

43 100

58 19.3 28.0 83.9#



Abundance Ion 43.00 (42.70 to 43.70): VN054415.D (-2700) (-)

Ion 58.00 (57.70 to 58.70): VN054415.D (-2700) (-)

10.77

200000

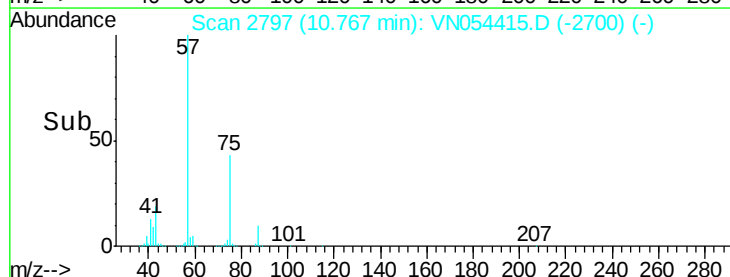
150000

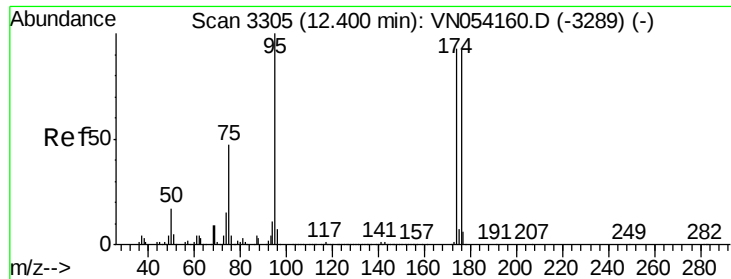
100000

50000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 41.894 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054415.D

Acq: 19 Mar 2019 1:50

Instrument :

MSVOA\_N

ClientSampleId :

CL-01-031519-A

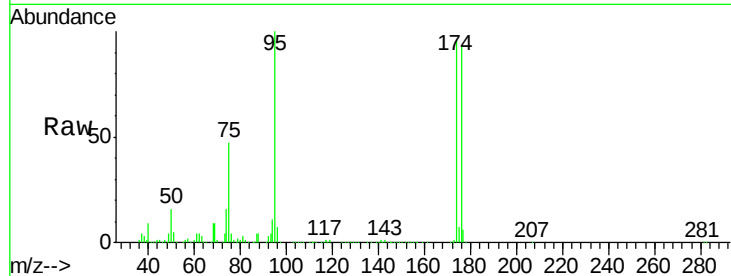
Tot Ion: 95 Resp: 950397

Ion Ratio Lower Upper

95 100

174 96.0 0.0 191.0

176 93.1 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054160.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN054160.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN054160.D (-3289) (-)

12.40

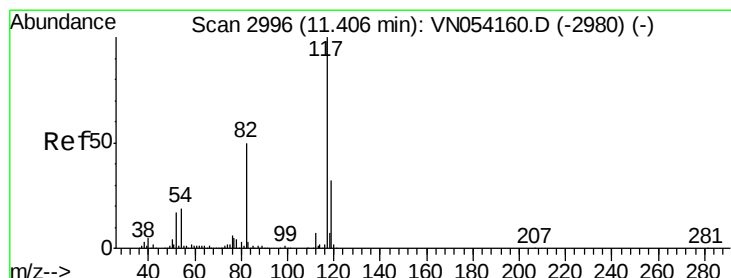
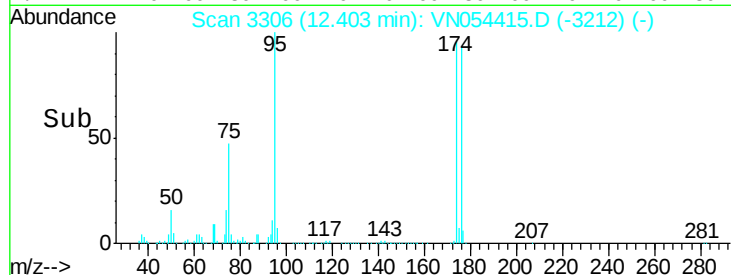
600000

400000

200000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054415.D

Acq: 19 Mar 2019 1:50

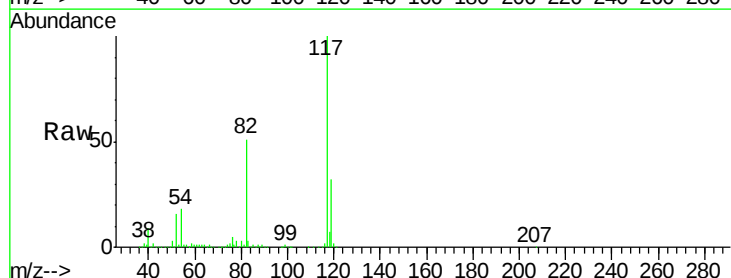
Tgt Ion: 117 Resp: 2304928

Ion Ratio Lower Upper

117 100

82 50.9 40.0 60.0

119 32.0 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VN054160.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN054160.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN054160.D (-2980) (-)

11.41

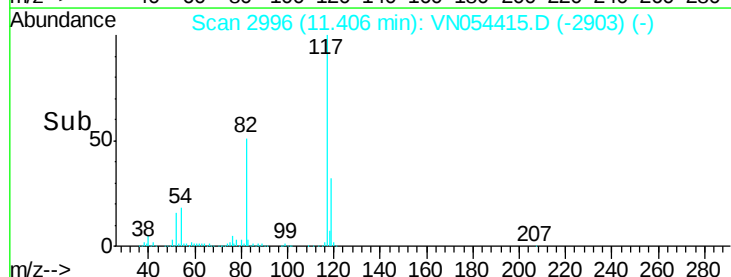
1500000

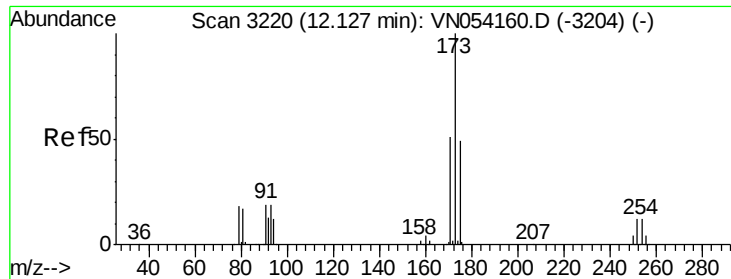
1000000

500000

0

Time--> 11.30 11.40 11.50 11.60

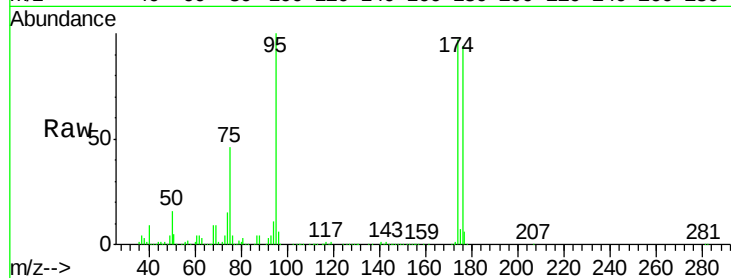




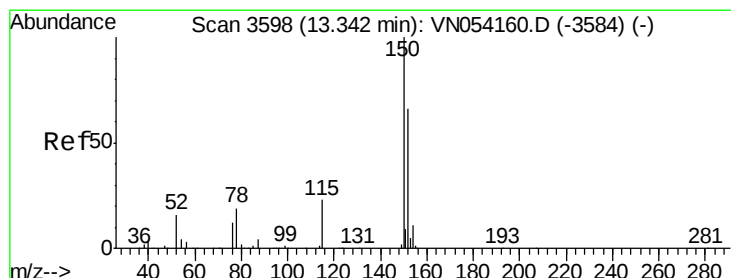
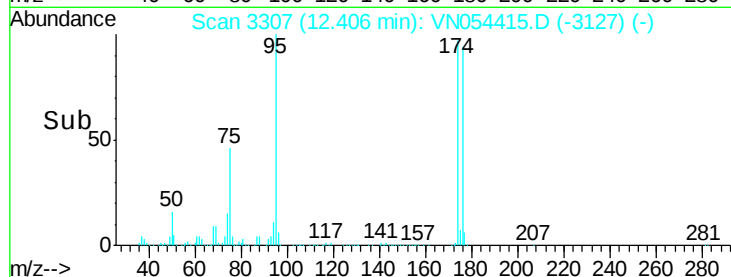
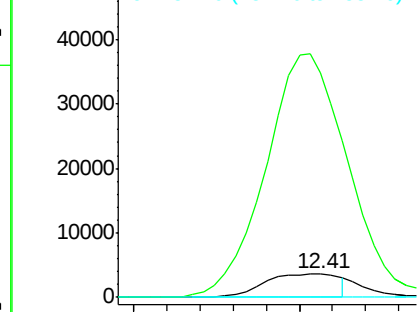
#71  
Bromoform  
Concen: 2.744 ug/l  
RT: 12.41 min Scan# 3307  
Delta R.T. 0.28 min  
Lab File: VN054415.D  
Acq: 19 Mar 2019 1:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
CL-01-031519-A

Tot Ion:173 Resp: 5779  
Ion Ratio Lower Upper  
173 100  
175 955.3 24.4 73.2#  
254 0.0 0.1 0.1#

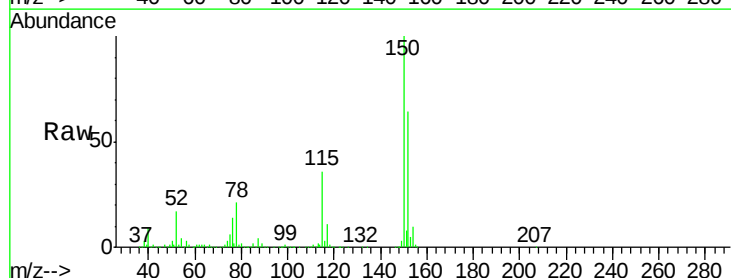


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

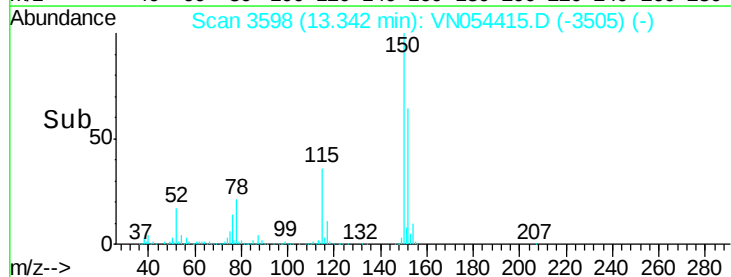
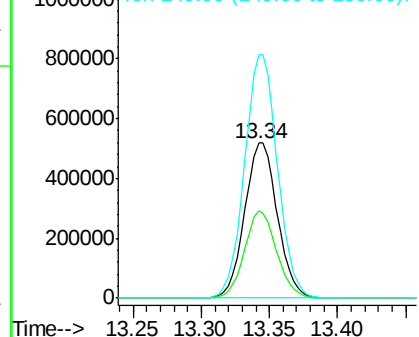


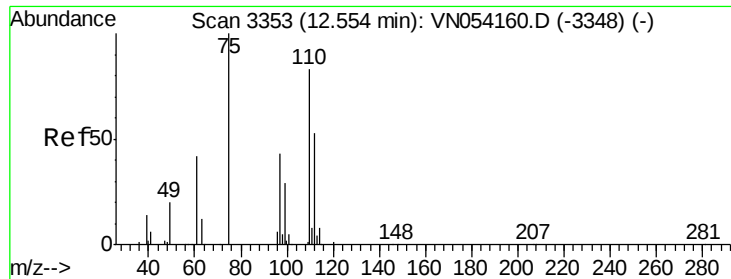
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN054415.D  
Acq: 19 Mar 2019 1:50

Tgt Ion:152 Resp: 861175  
Ion Ratio Lower Upper  
152 100  
115 55.5 27.2 81.6  
150 157.9 0.0 349.2



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

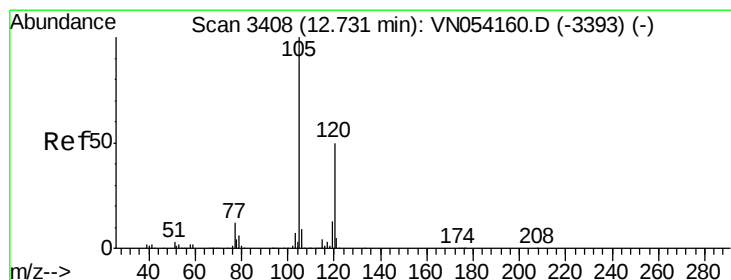
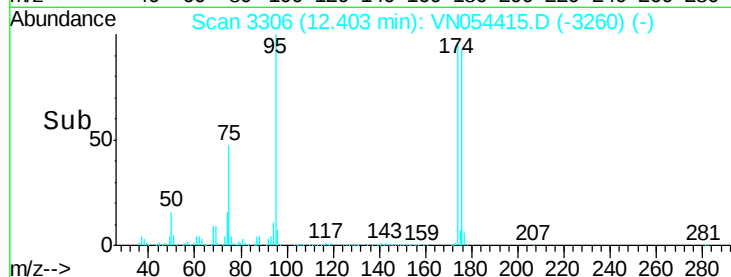
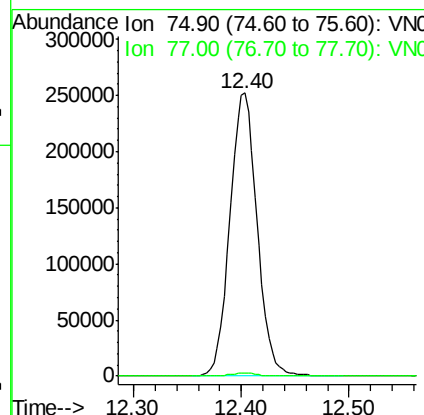
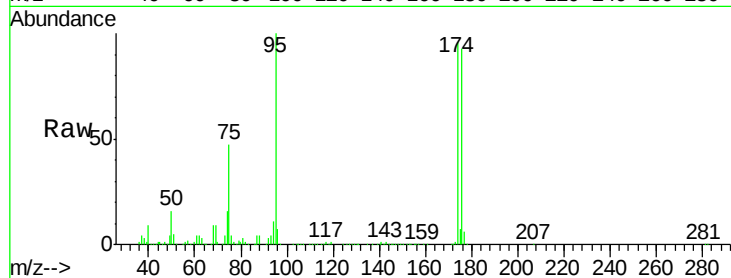




#76  
 1,2,3-Trichloropropane  
 Concen: 35.054 ug/l  
 RT: 12.40 min Scan# 3306  
 Delta R.T. -0.15 min  
 Lab File: VN054415.D  
 Acq: 19 Mar 2019 1:50

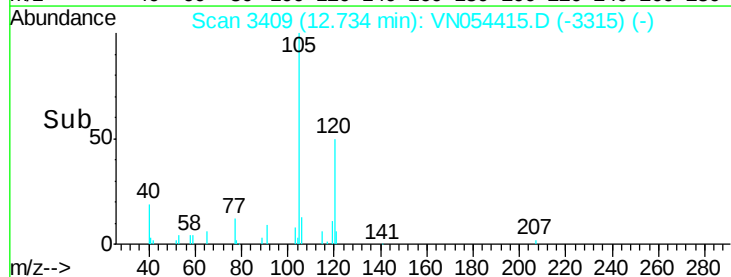
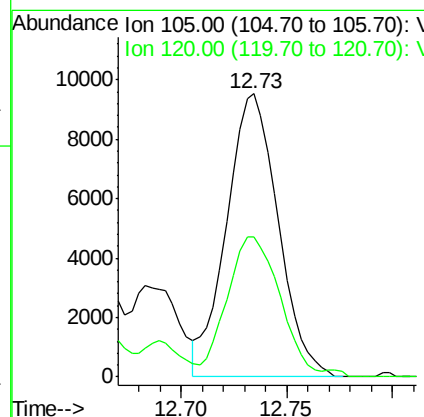
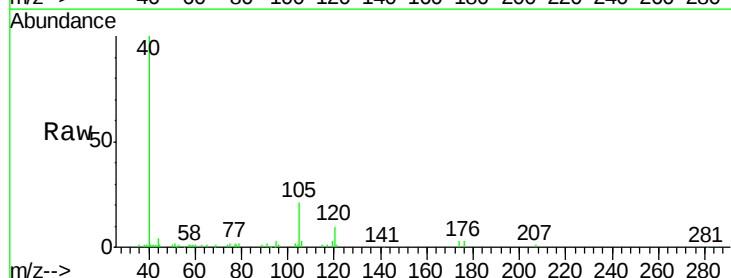
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CL-01-031519-A

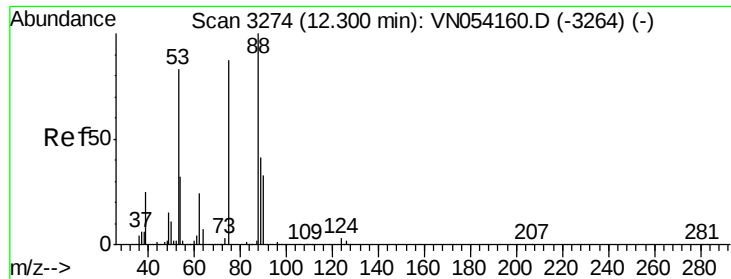
Tot Ion: 75 Resp: 443921  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 0.0 0.0#



#80  
 1,3,5-Trimethylbenzene  
 Concen: 0.282 ug/l  
 RT: 12.73 min Scan# 3409  
 Delta R.T. 0.00 min  
 Lab File: VN054415.D  
 Acq: 19 Mar 2019 1:50

Tgt Ion: 105 Resp: 16180  
 Ion Ratio Lower Upper  
 105 100  
 120 47.4 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 119.830 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN054415.D

Acq: 19 Mar 2019 1:50

Instrument :

MSVOA\_N

ClientSampleId :

CL-01-031519-A

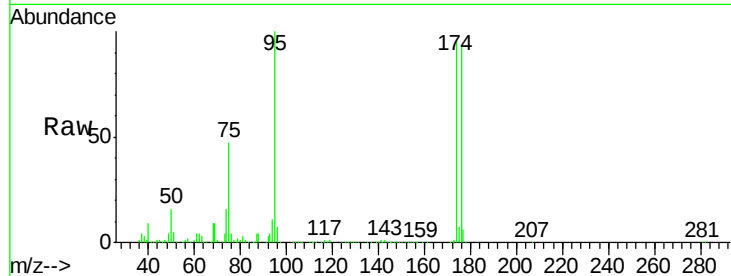
Tot Ion: 75 Resp: 443921

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

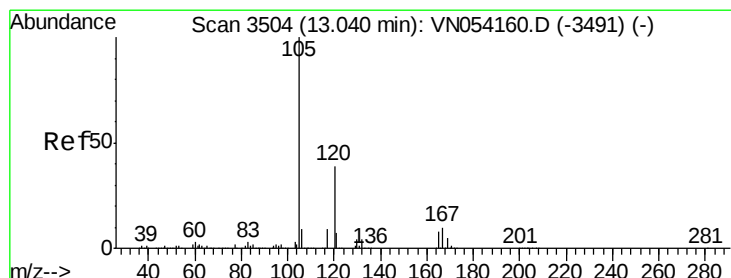
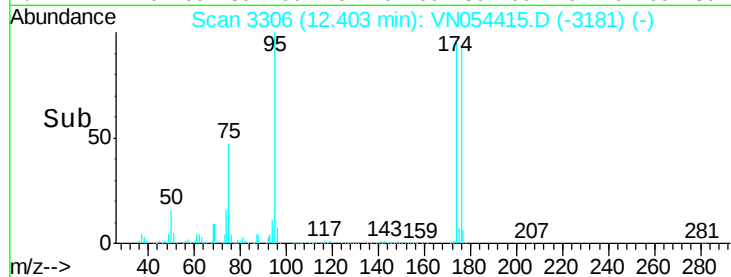
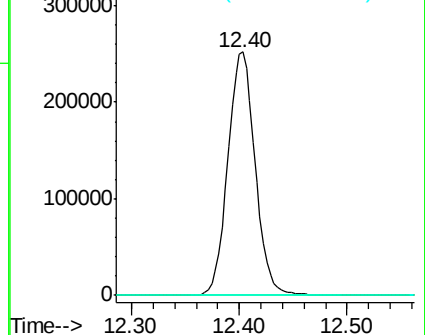
89 0.0 39.2 58.8#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.356 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054415.D

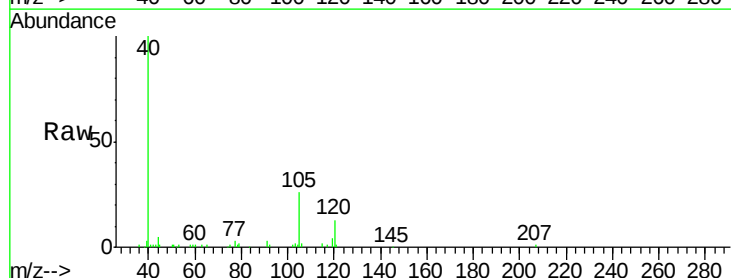
Acq: 19 Mar 2019 1:50

Tgt Ion: 105 Resp: 20004

Ion Ratio Lower Upper

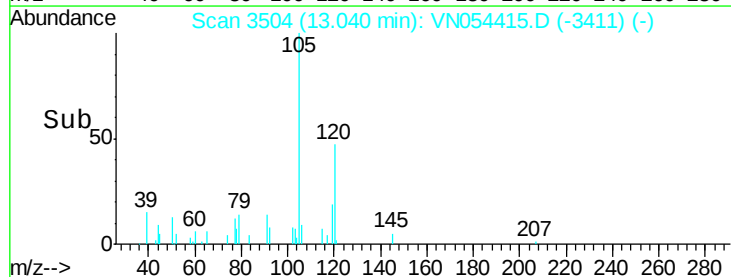
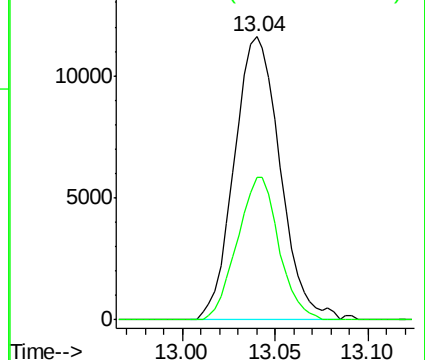
105 100

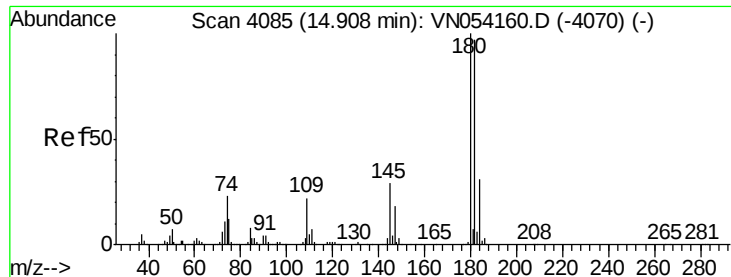
120 45.5 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

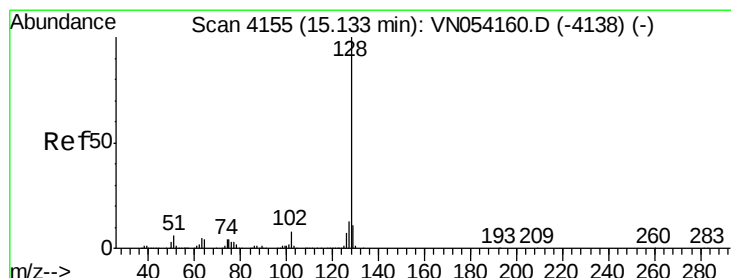
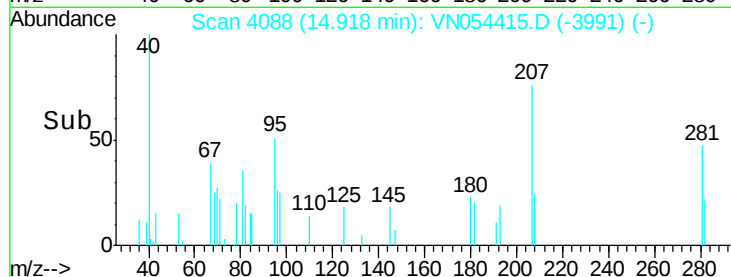
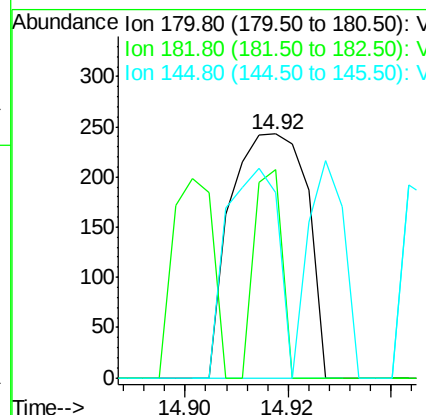
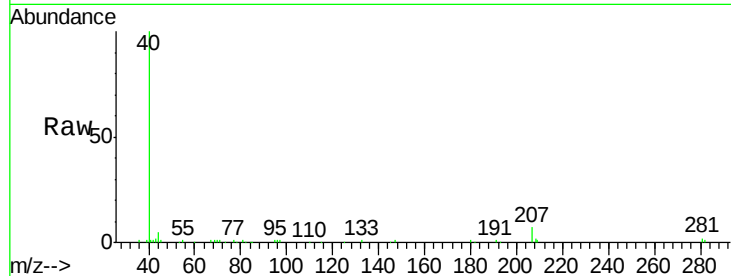




#93  
 1,2,4-Trichlorobenzene  
 Concen: 2.529 ug/l  
 RT: 14.92 min Scan# 4088  
 Delta R.T. 0.01 min  
 Lab File: VN054415.D  
 Acq: 19 Mar 2019 1:50

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CL-01-031519-A

Tot Ion:180 Resp: 247  
 Ion Ratio Lower Upper  
 180 100  
 182 31.6 48.0 144.2#  
 145 58.7 14.2 42.8#



#95  
 Naphthalene  
 Concen: 3.847 ug/l  
 RT: 15.13 min Scan# 4155  
 Delta R.T. 0.00 min  
 Lab File: VN054415.D  
 Acq: 19 Mar 2019 1:50

Tgt Ion:128 Resp: 15322  
 Ion Ratio Lower Upper  
 128 100  
 127 14.6 10.1 15.1  
 129 12.2 8.7 13.1

