

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\  
 Data File : VN054416.D  
 Acq On : 19 Mar 2019 2:18  
 Operator : JC/SP  
 Sample : K1691-12  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Mar 19 05:19:19 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      | 7.66  | 168  | 1849203  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 2627756  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 2232938  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 816069   | 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   | 881722   | 44.90 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 89.80% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 800318   | 47.22 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.44% |          |
| 50) Toluene-d8              | 10.09 | 98   | 3062380  | 48.93 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.86% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 911895   | 41.64 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 83.28% |          |

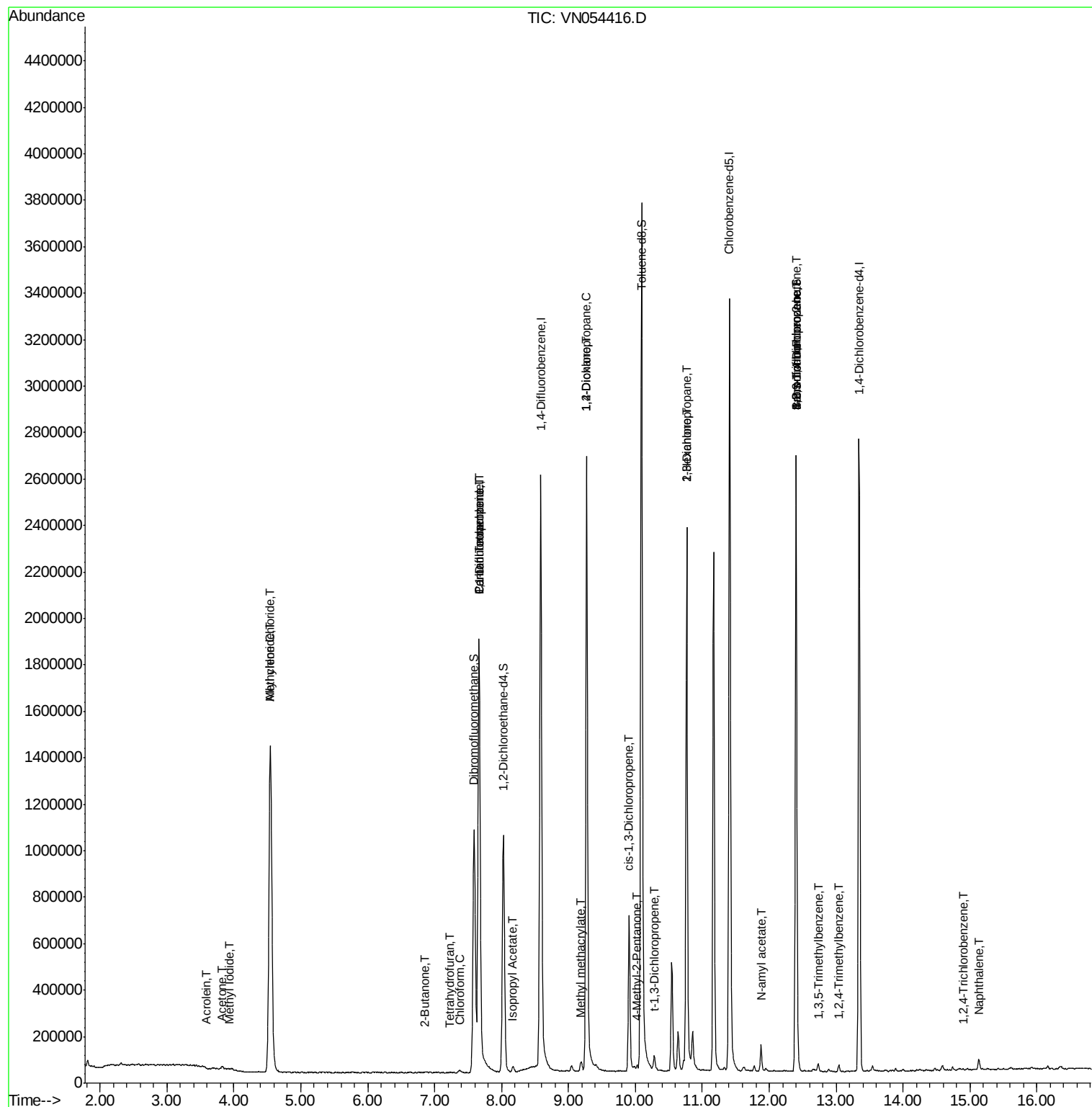
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 10) Methyl Iodide              | 3.93  | 142  | 64       | 1.499     | ug/l # | 45     |
| 13) Acrolein                   | 3.60  | 56   | 368      | 0.288     | ug/l # | 37     |
| 14) Allyl chloride             | 4.54  | 41   | 32537    | 1.320     | ug/l # | 22     |
| 16) Acetone                    | 3.82  | 43   | 17927    | 3.188     | ug/l   | 93     |
| 20) Methylene Chloride         | 4.55  | 84   | 1152211  | 62.406    | ug/l   | 99     |
| 25) 2-Butanone                 | 6.86  | 43   | 2626     | 0.398     | ug/l   | 95     |
| 29) Tetrahydrofuran            | 7.23  | 42   | 2466     | 0.581     | ug/l # | 60     |
| 30) Chloroform                 | 7.37  | 83   | 12054    | 0.366     | ug/l   | 93     |
| 31) Cyclohexane                | 7.67  | 56   | 25527    | Below Cal | #      | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 105866   | 4.375     | ug/l # | 49     |
| 38) Carbon Tetrachloride       | 7.66  | 117  | 149704   | 5.899     | ug/l # | 17     |
| 43) Isopropyl Acetate          | 8.17  | 43   | 29270    | 1.199     | ug/l   | 98     |
| 45) 1,2-Dichloropropane        | 9.27  | 63   | 3623     | 0.211     | ug/l # | 43     |
| 48) Methyl methacrylate        | 9.18  | 41   | 14505    | 1.171     | ug/l # | 11     |
| 49) 1,4-Dioxane                | 9.27  | 88   | 196      | 1.119     | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone       | 10.03 | 43   | 14645    | 1.134     | ug/l # | 36     |
| 53) t-1,3-Dichloropropene      | 10.28 | 75   | 205      | 1.993     | ug/l # | 42     |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75   | 132570   | 4.884     | ug/l # | 62     |
| 57) 1,3-Dichloropropane        | 10.76 | 76   | 26086    | 0.995     | ug/l # | 43     |
| 59) 2-Hexanone                 | 10.77 | 43   | 336795   | 39.188    | ug/l # | 51     |
| 71) Bromoform                  | 12.40 | 173  | 5047     | 2.705     | ug/l # | 1      |
| 74) N-amyl acetate             | 11.88 | 43   | 33169    | 2.289     | ug/l # | 52     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 423687   | 35.305    | ug/l # | 100    |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 14221    | 0.262     | ug/l   | 95     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 423687   | 120.689   | ug/l # | 11     |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 18623    | 0.350     | ug/l   | 95     |
| 93) 1,2,4-Trichlorobenzene     | 14.90 | 180  | 171      | 2.526     | ug/l # | 1      |
| 95) Naphthalene                | 15.13 | 128  | 40236    | 4.516     | ug/l   | 99     |

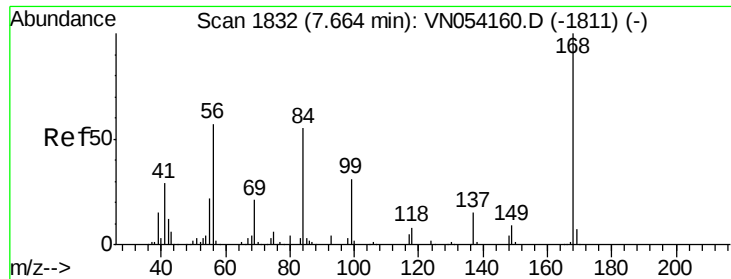
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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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: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Instrument :

MSVOA\_N

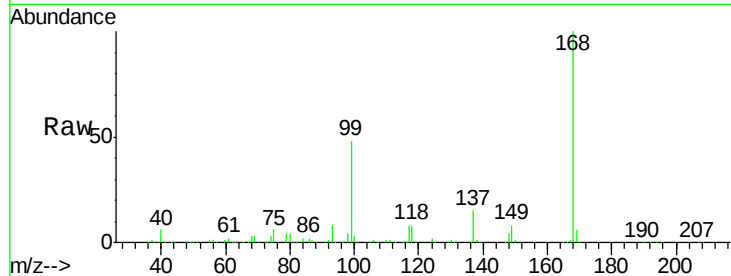
ClientSampled :

Tot Ion:168 Resp: 1849203

Ion Ratio Lower Upper

168 100

99 47.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

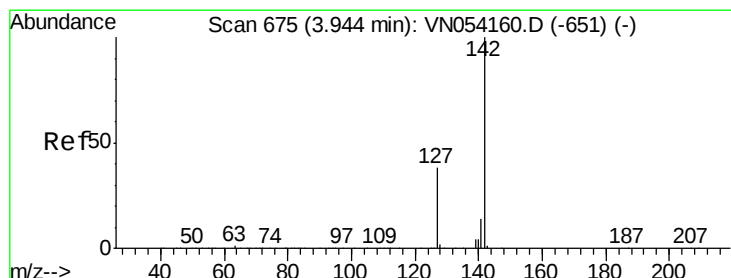
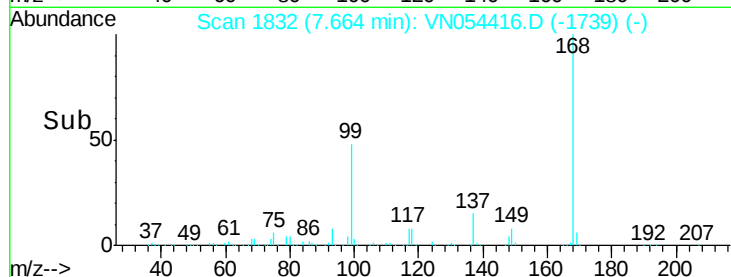
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#10

Methyl Iodide

Concen: 1.499 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.01 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

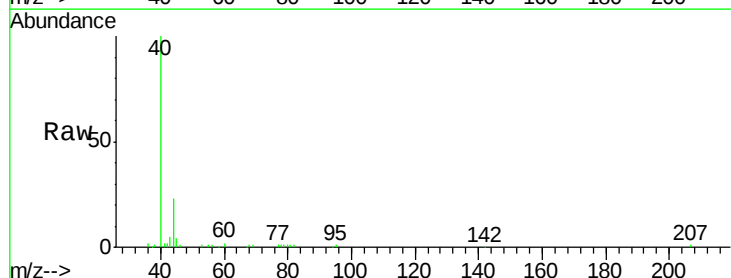
Tgt Ion:142 Resp: 64

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

3.93

200

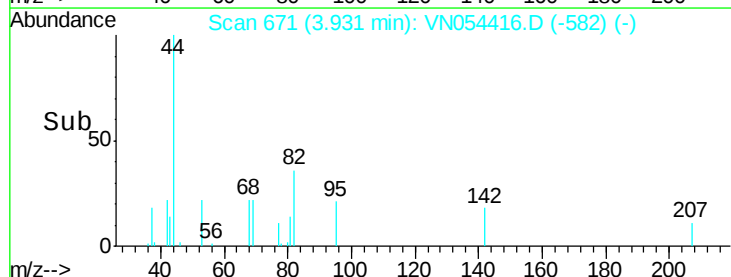
150

100

50

0

Time--> 3.92 3.93 3.94





#13

Acrolein

Concen: 0.288 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Instrument :

MSVOA\_N

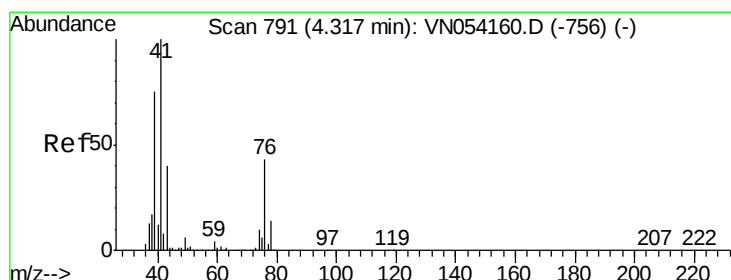
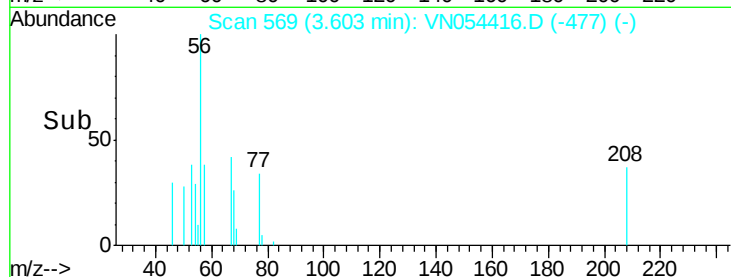
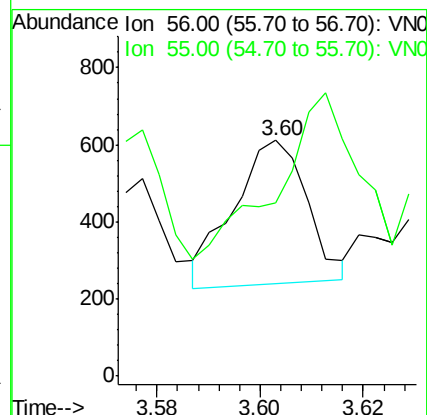
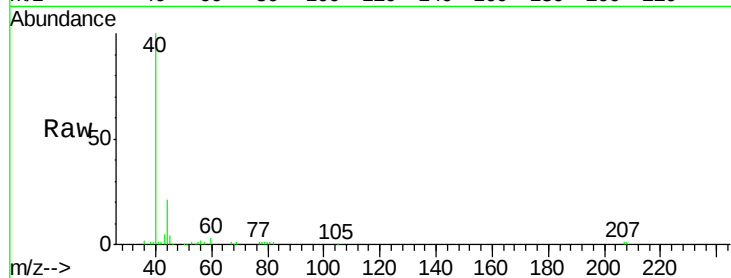
ClientSampled :

Tot Ion: 56 Resp: 368

Ion Ratio Lower Upper

56 100

55 123.1 56.7 85.1#



#14

Allyl chloride

Concen: 1.320 ug/l

RT: 4.54 min Scan# 861

Delta R.T. 0.23 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

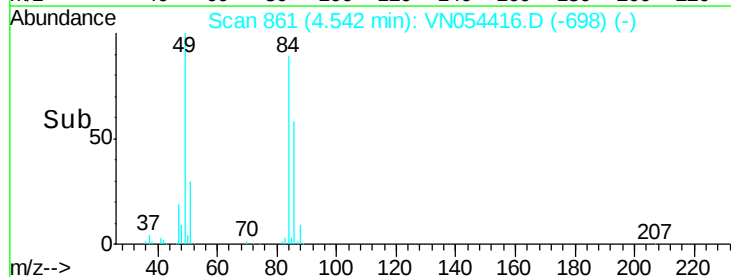
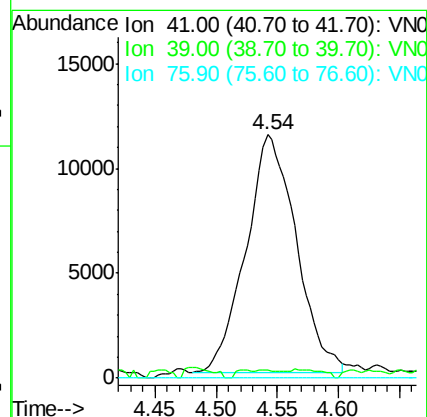
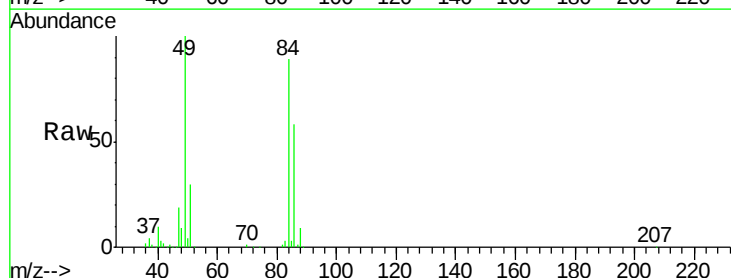
Tgt Ion: 41 Resp: 32537

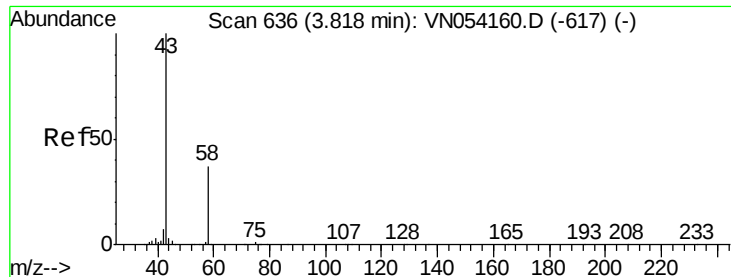
Ion Ratio Lower Upper

41 100

39 0.9 58.2 87.4#

76 0.0 31.7 47.5#





#16

Acetone

Concen: 3.188 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

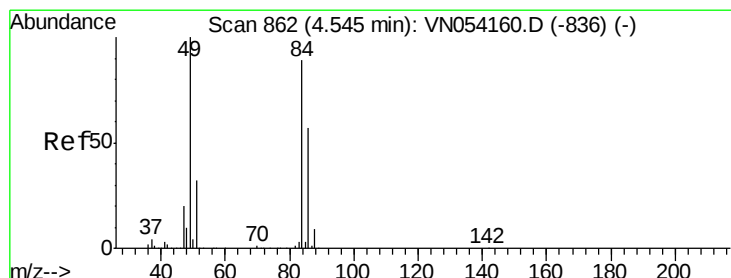
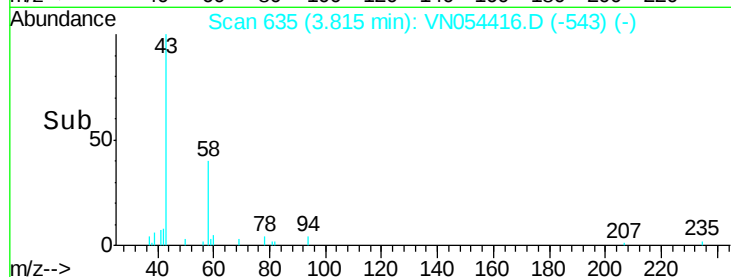
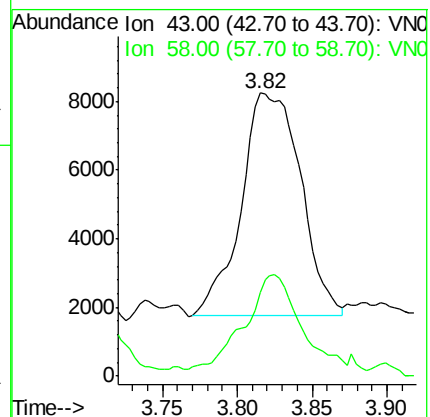
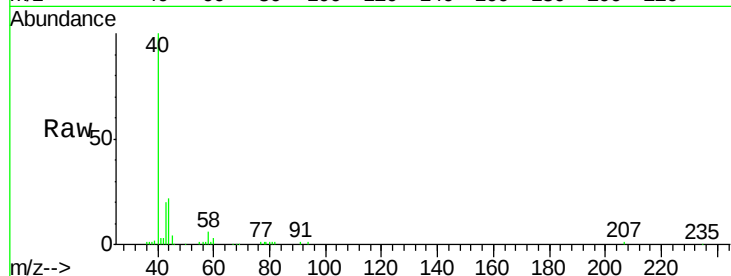
Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion: 43 Resp: 17927

Ion Ratio Lower Upper

43 100

58 33.3 29.9 44.9



#20

Methylene Chloride

Concen: 62.406 ug/l

RT: 4.55 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Tgt Ion: 84 Resp: 1152211

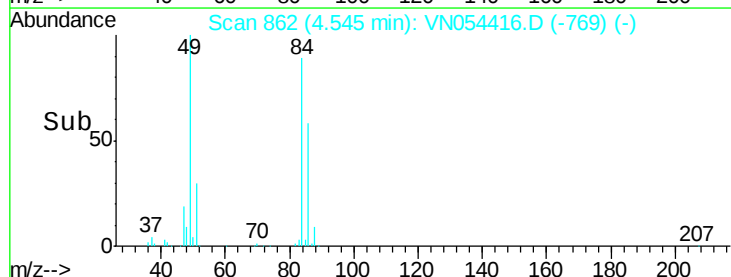
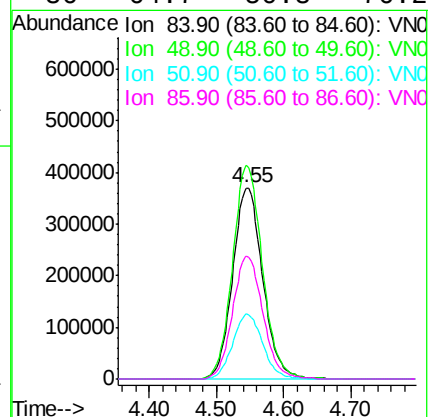
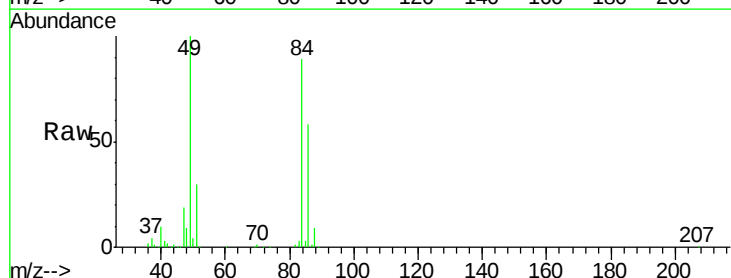
Ion Ratio Lower Upper

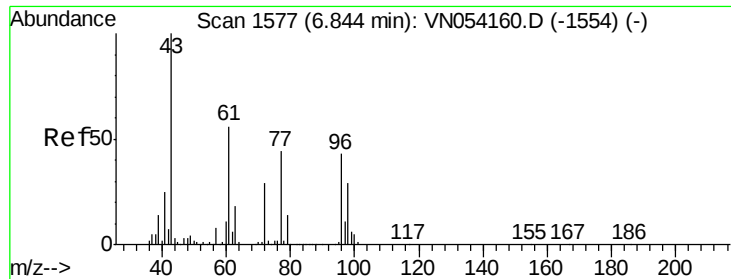
84 100

49 111.7 89.7 134.5

51 34.1 28.2 42.4

86 64.7 50.8 76.2

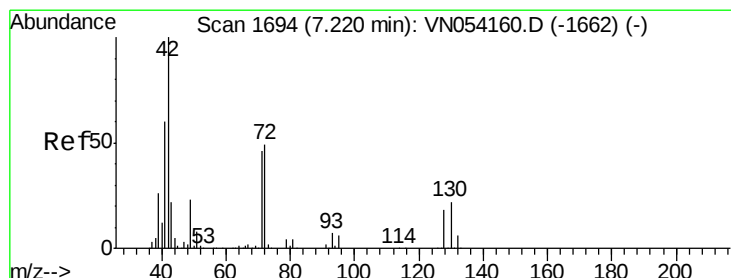
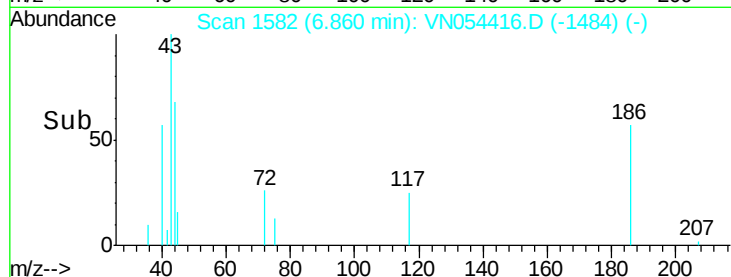
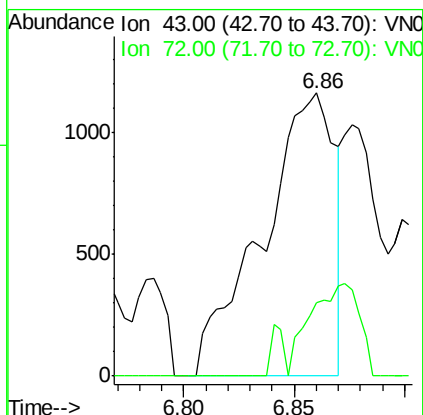
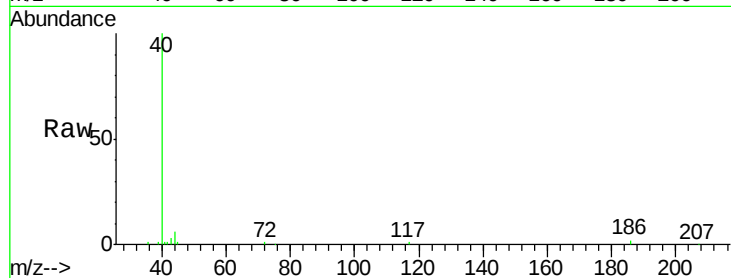




#25  
2-Butanone  
Concen: 0.398 ug/l  
RT: 6.86 min Scan# 1582  
Delta R.T. 0.02 min  
Lab File: VN054416.D  
Acq: 19 Mar 2019 2:18

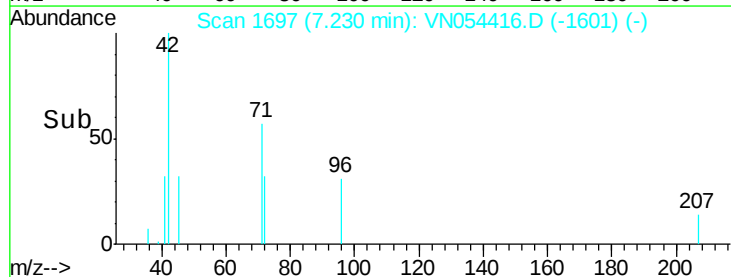
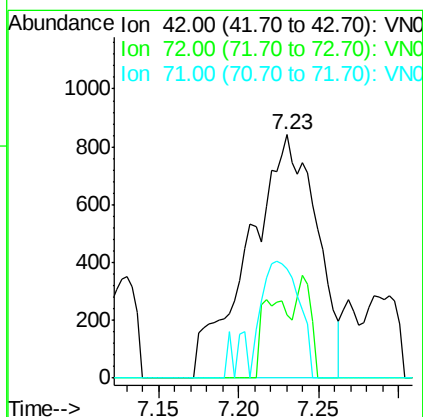
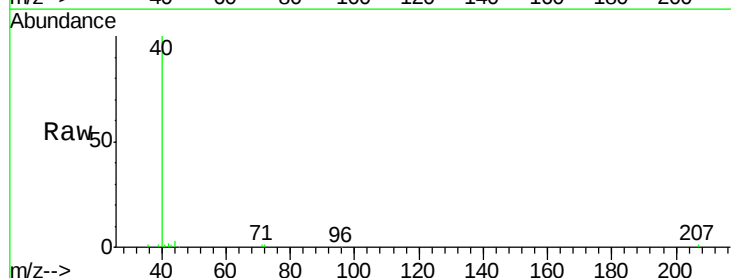
Instrument :  
MSVOA\_N  
ClientSampled :

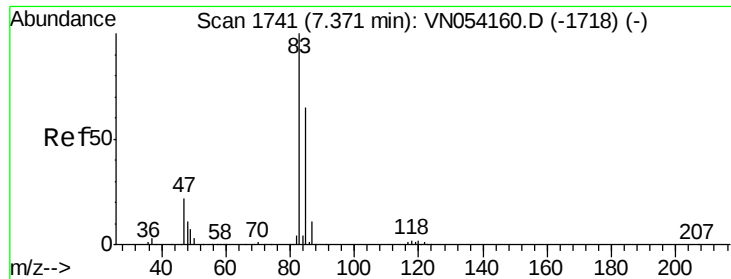
Tot Ion: 43 Resp: 2626  
Ion Ratio Lower Upper  
43 100  
72 26.1 23.0 34.6



#29  
Tetrahydrofuran  
Concen: 0.581 ug/l  
RT: 7.23 min Scan# 1697  
Delta R.T. 0.01 min  
Lab File: VN054416.D  
Acq: 19 Mar 2019 2:18

Tgt Ion: 42 Resp: 2466  
Ion Ratio Lower Upper  
42 100  
72 13.5 37.8 56.6#  
71 26.8 36.2 54.2#

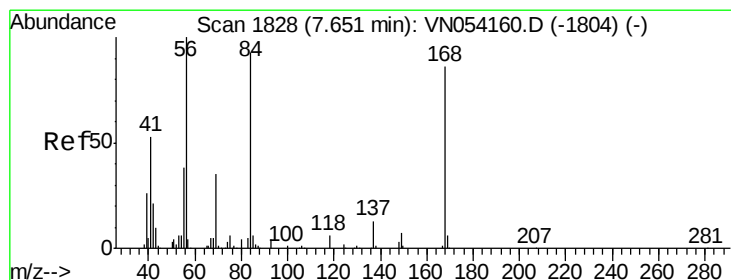
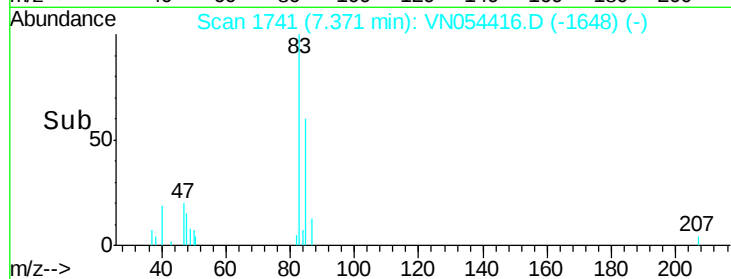
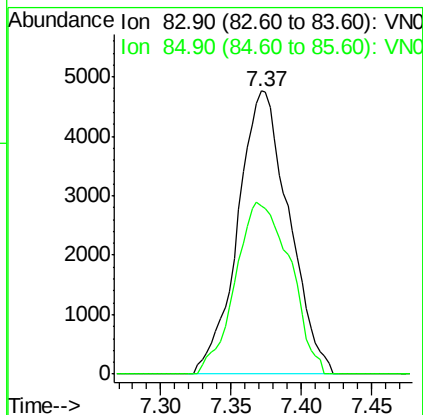
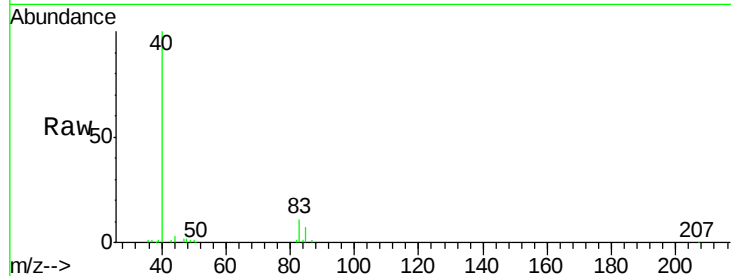




#30  
Chloroform  
Concen: 0.366 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VN054416.D  
Acq: 19 Mar 2019 2:18

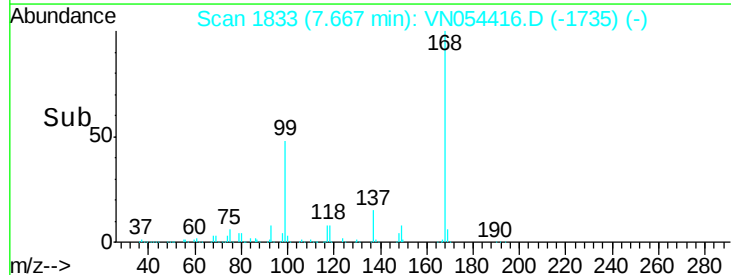
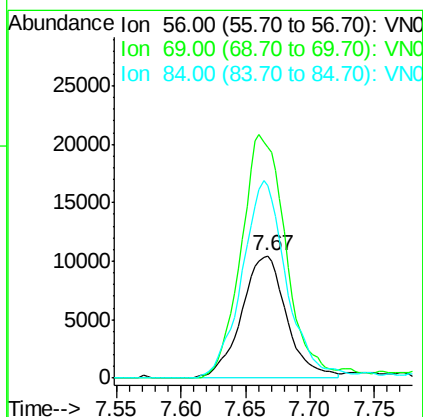
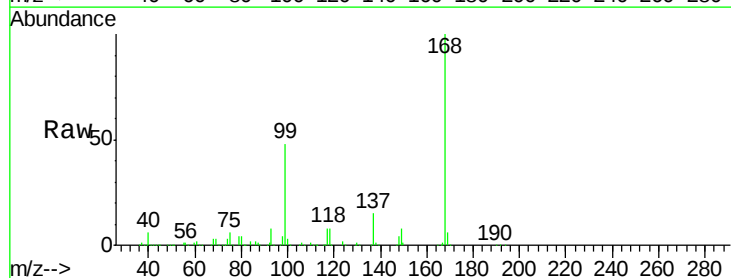
Instrument :  
MSVOA\_N  
ClientSampled :

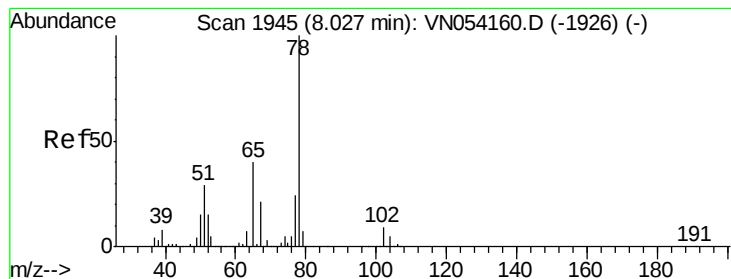
Tot Ion: 83 Resp: 12054  
Ion Ratio Lower Upper  
83 100  
85 59.6 52.2 78.4



#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.67 min Scan# 1833  
Delta R.T. 0.02 min  
Lab File: VN054416.D  
Acq: 19 Mar 2019 2:18

Tgt Ion: 56 Resp: 25527  
Ion Ratio Lower Upper  
56 100  
69 189.6 27.8 41.6#  
84 157.7 74.6 111.8#





#33

1,2-Dichloroethane-d4

Concen: 44.897 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Instrument :

MSVOA\_N

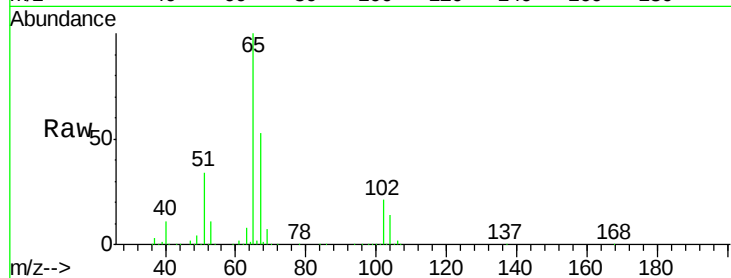
ClientSampleId :

Tot Ion: 65 Resp: 881722

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054416.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054416.D (-1852) (-)

8.03

400000

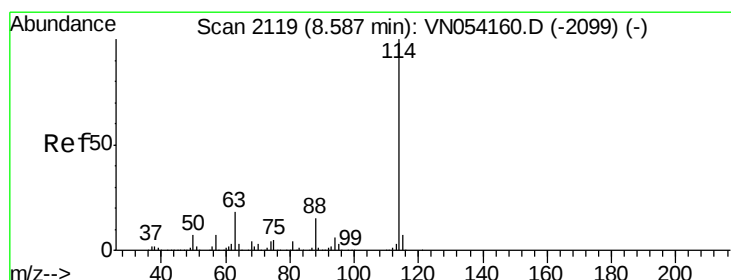
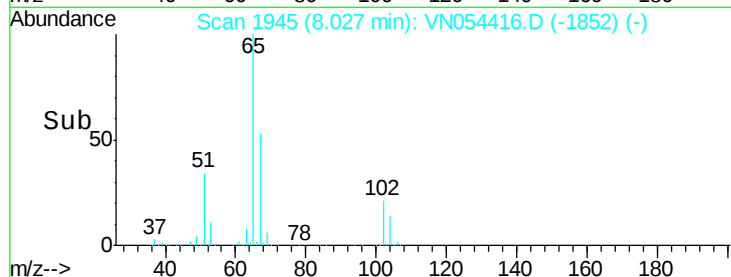
300000

200000

100000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

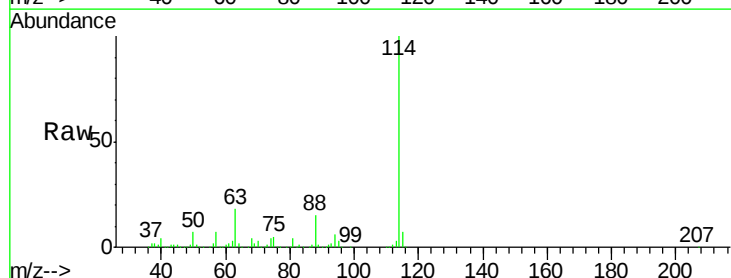
Tgt Ion: 114 Resp: 2627756

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.2

88 14.7 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054416.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054416.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054416.D (-2026) (-)

8.59

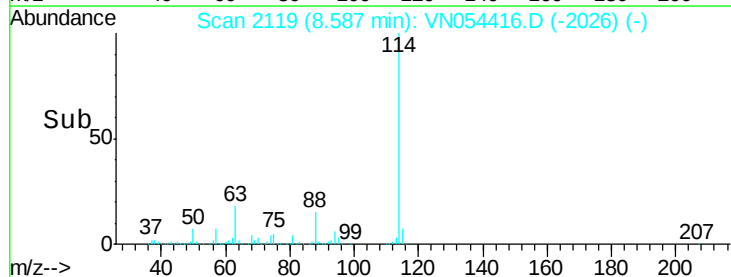
1500000

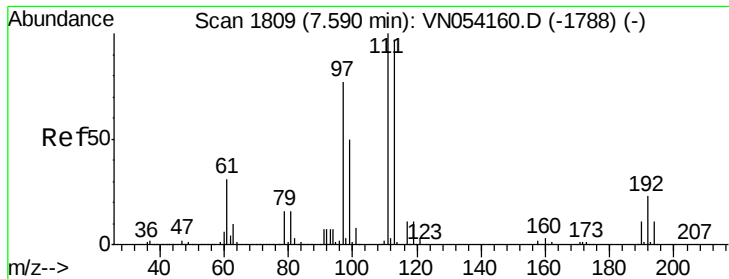
1000000

500000

0

Time--> 8.40 8.50 8.60 8.70 8.80





#35

Dibromofluoromethane

Concen: 47.222 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Instrument :

MSVOA\_N

ClientSampleId :

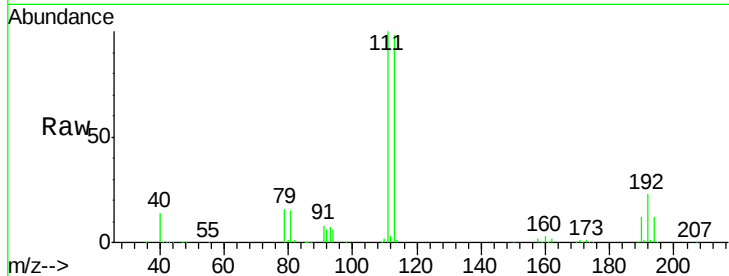
Tot Ion:113 Resp: 800318

Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.4

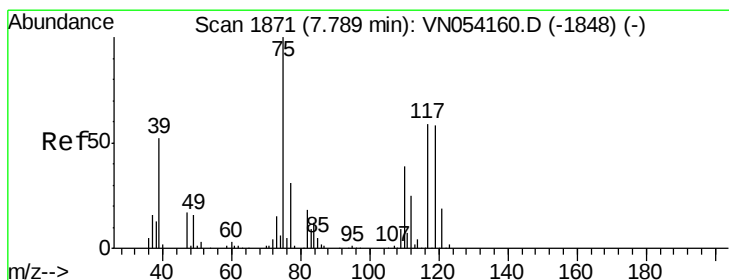
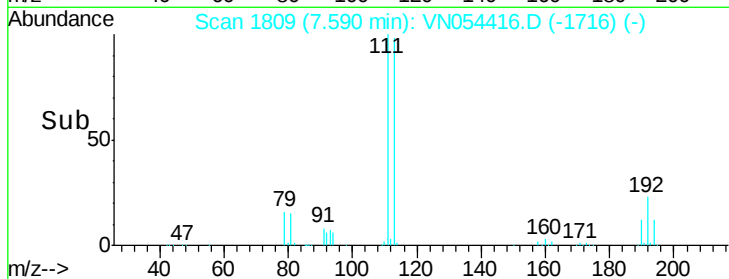
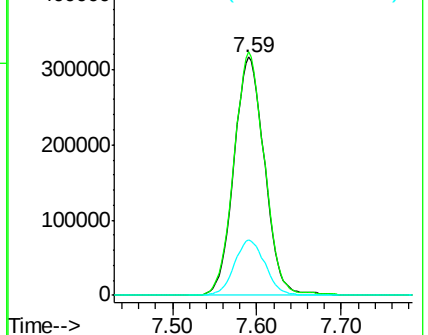
192 23.4 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.375 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.12 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

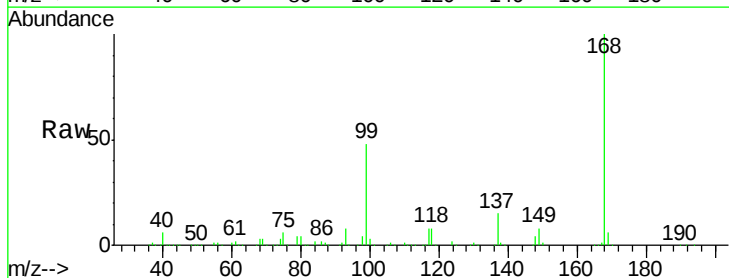
Tgt Ion: 75 Resp: 105866

Ion Ratio Lower Upper

75 100

110 9.7 19.1 57.5#

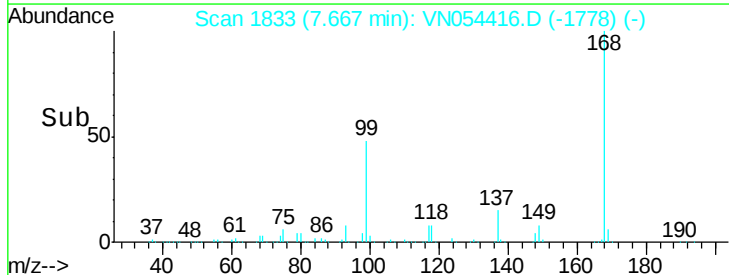
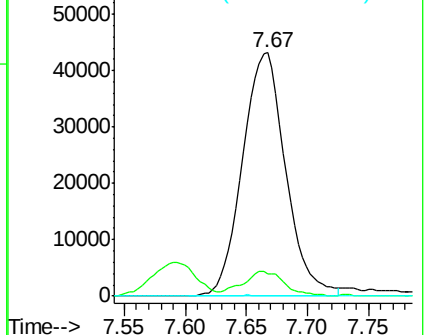
77 0.1 25.0 37.4#

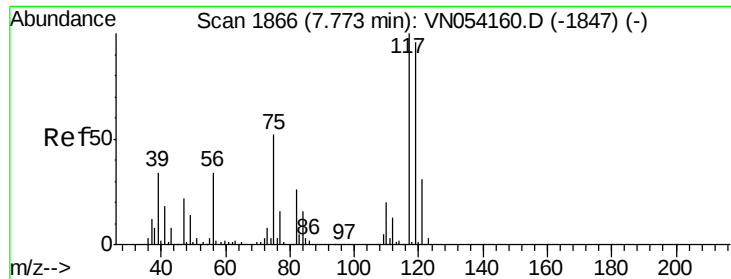


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

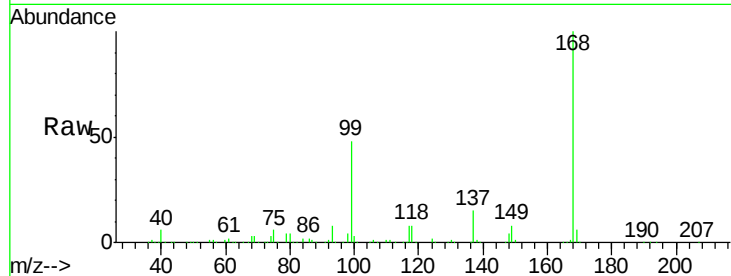




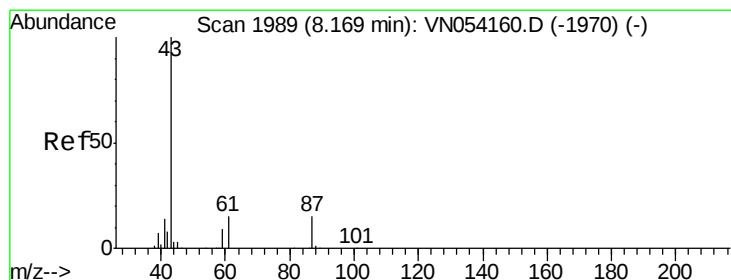
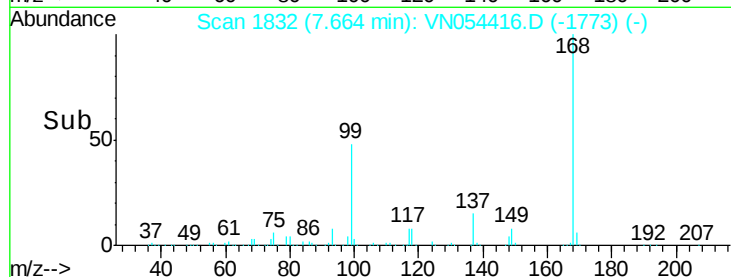
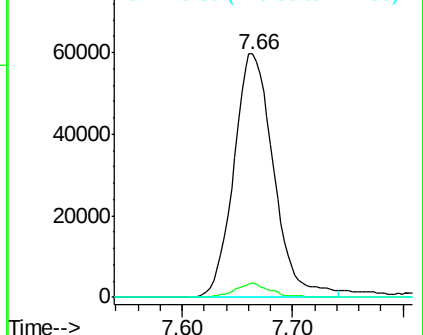
#38  
Carbon Tetrachloride  
Concen: 5.899 ug/l  
RT: 7.66 min Scan# 1832  
Delta R.T. -0.11 min  
Lab File: VN054416.D  
Acq: 19 Mar 2019 2:18

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:117 Resp: 149704  
Ion Ratio Lower Upper  
117 100  
119 5.7 76.3 114.5#  
121 0.0 24.6 36.8#

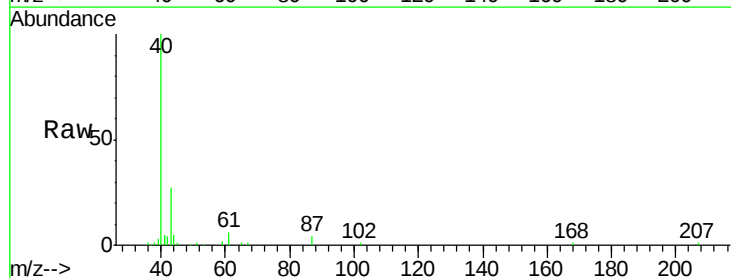


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

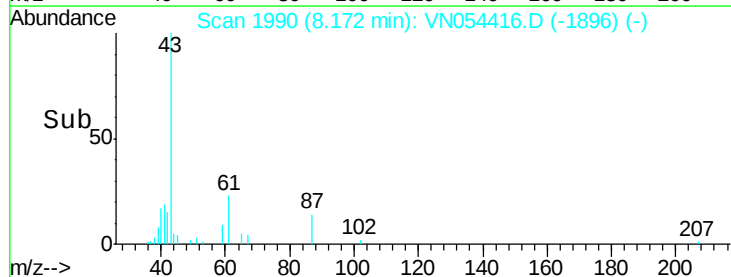
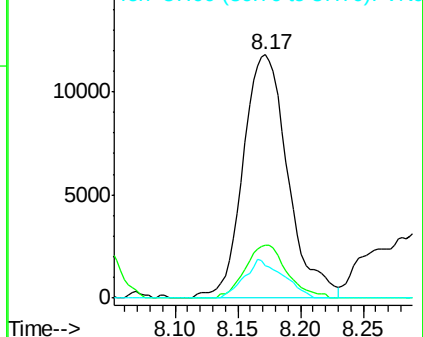


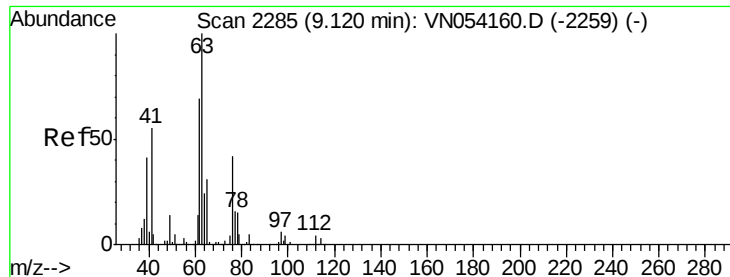
#43  
Isopropyl Acetate  
Concen: 1.199 ug/l  
RT: 8.17 min Scan# 1990  
Delta R.T. 0.00 min  
Lab File: VN054416.D  
Acq: 19 Mar 2019 2:18

Tgt Ion: 43 Resp: 29270  
Ion Ratio Lower Upper  
43 100  
61 20.5 15.8 23.8  
87 13.7 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





#45

1,2-Dichloropropane

Concen: 0.211 ug/l

RT: 9.27 min Scan# 2333

Delta R.T. 0.15 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Instrument :

MSVOA\_N

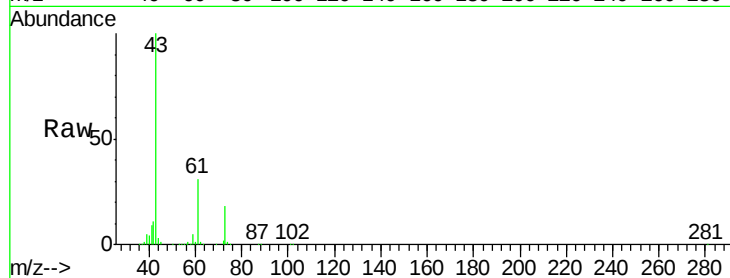
ClientSampleId :

Tot Ion: 63 Resp: 3623

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.27

2000

1500

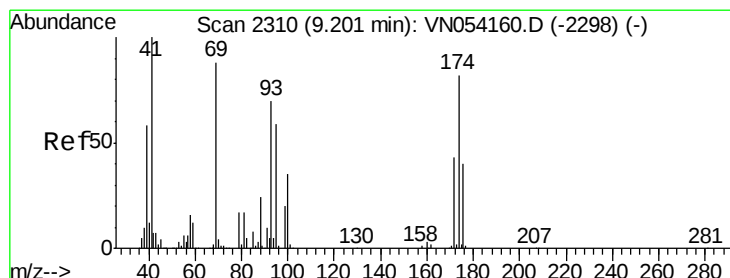
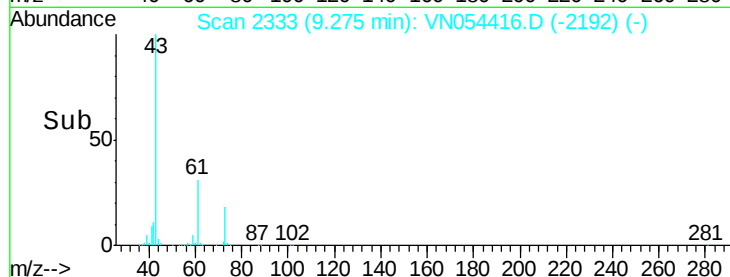
1000

500

0

9.25 9.30

Time-->



#48

Methyl methacrylate

Concen: 1.171 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

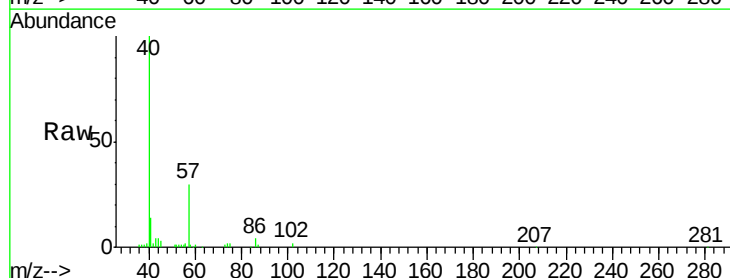
Tgt Ion: 41 Resp: 14505

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): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

150000

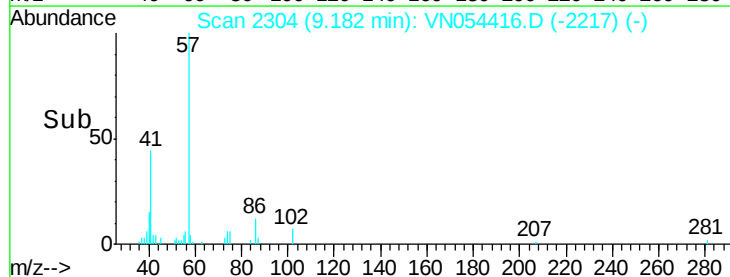
100000

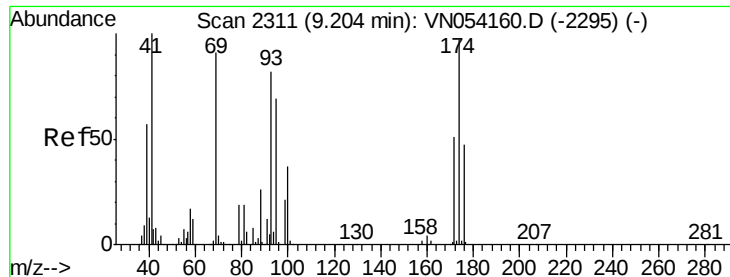
50000

0

9.10 9.15 9.20 9.25

Time-->





#49

1,4-Dioxane

Concen: 1.119 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.06 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Instrument :

MSVOA\_N

ClientSampleId :

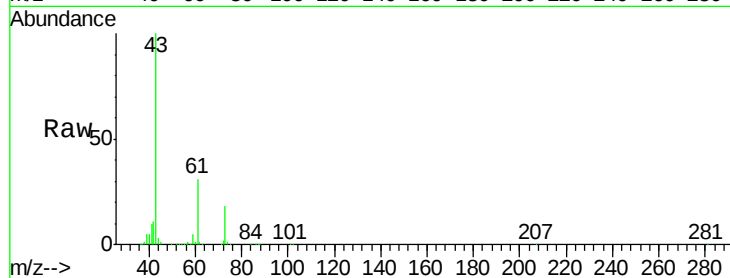
Tot Ion: 88 Resp: 196

Ion Ratio Lower Upper

88 100

43 1366316.3 24.1 36.1#

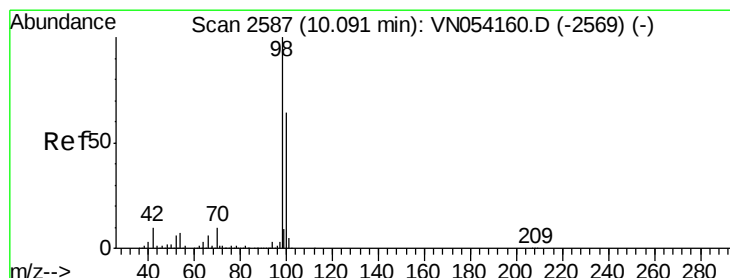
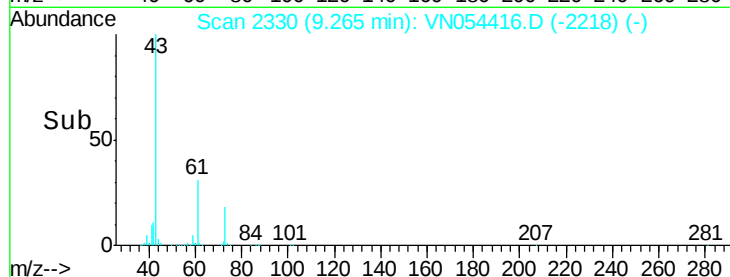
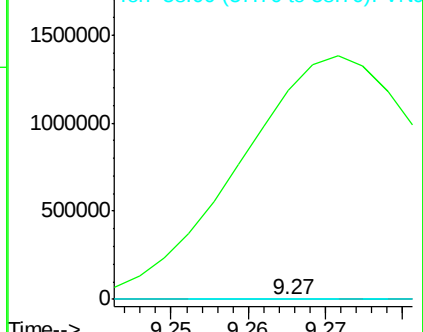
58 5707.1 50.8 76.2#



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: 48.927 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054416.D

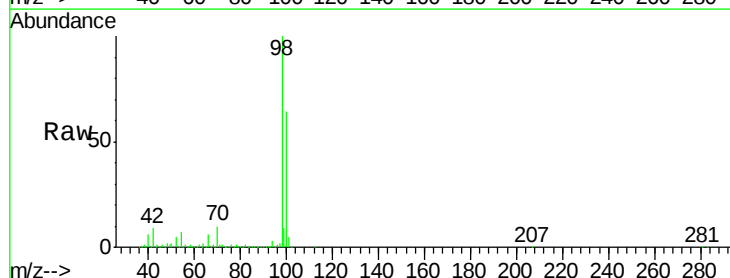
Acq: 19 Mar 2019 2:18

Tgt Ion: 98 Resp: 3062380

Ion Ratio Lower Upper

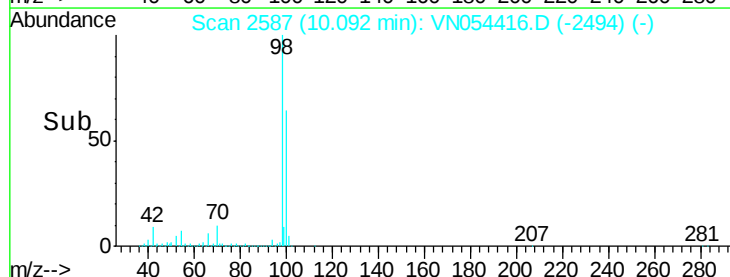
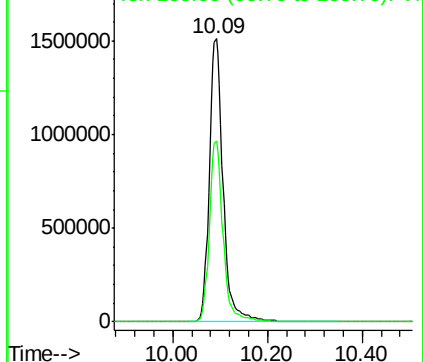
98 100

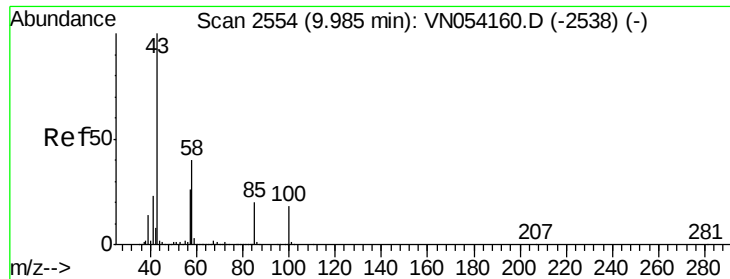
100 63.7 51.2 76.8



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: 1.134 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Instrument :

MSVOA\_N

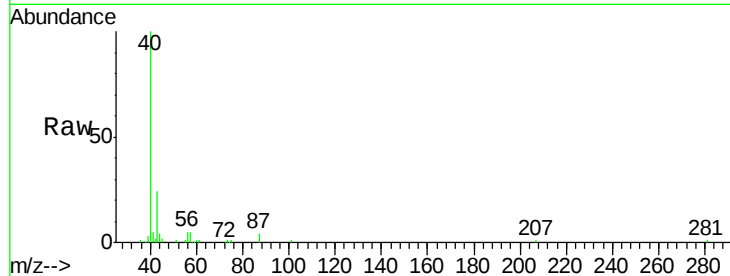
ClientSampled :

Tot Ion: 43 Resp: 14645

Ion Ratio Lower Upper

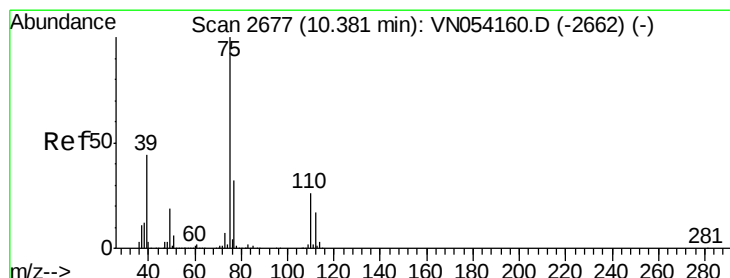
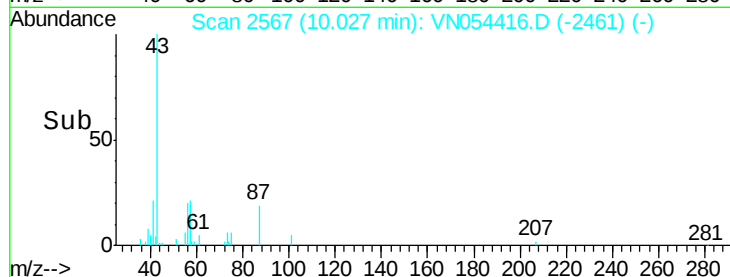
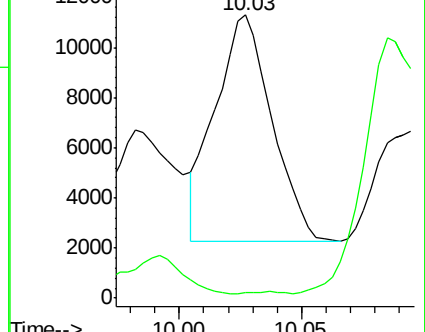
43 100

58 0.0 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#53

t-1,3-Dichloropropene

Concen: 1.993 ug/l

RT: 10.28 min Scan# 2646

Delta R.T. -0.10 min

Lab File: VN054416.D

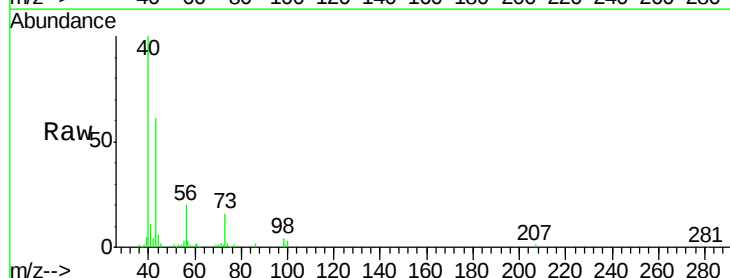
Acq: 19 Mar 2019 2:18

Tgt Ion: 75 Resp: 205

Ion Ratio Lower Upper

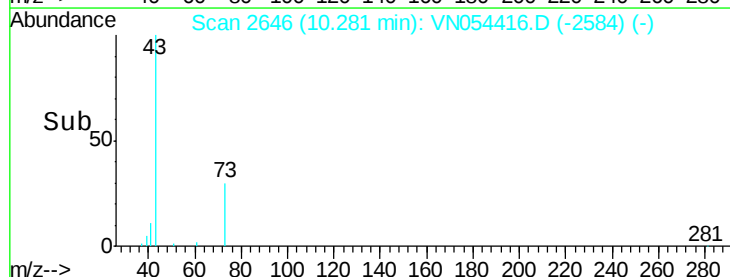
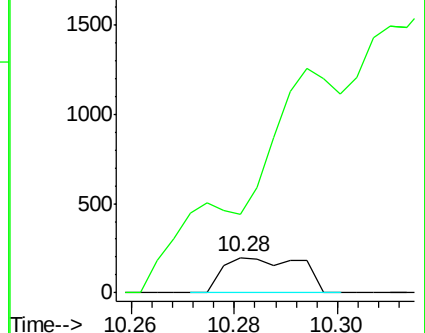
75 100

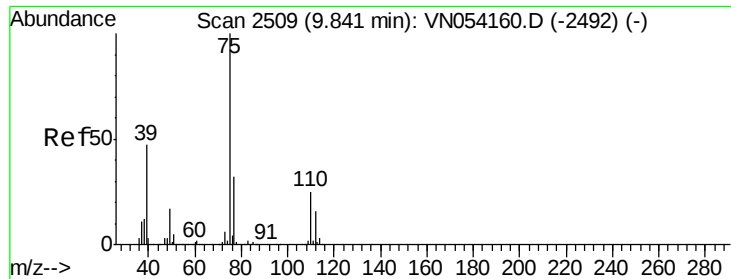
77 0.0 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



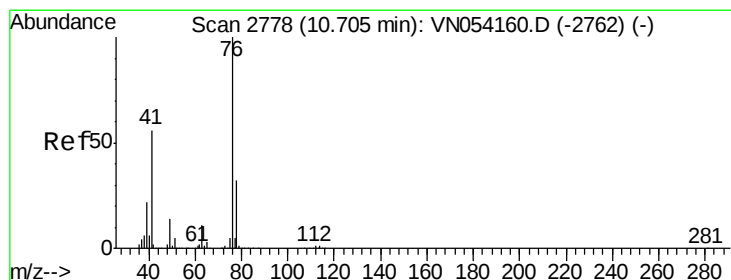
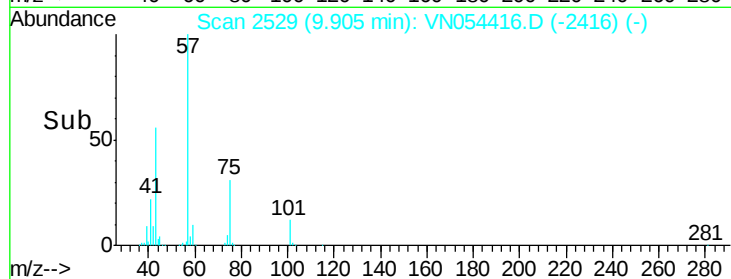
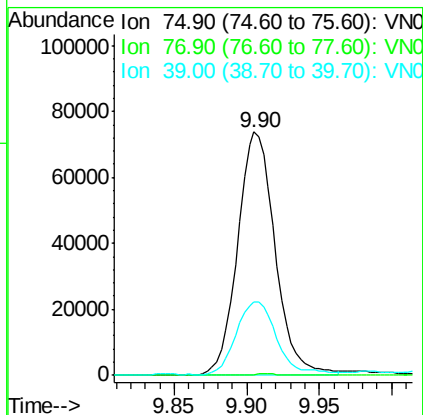
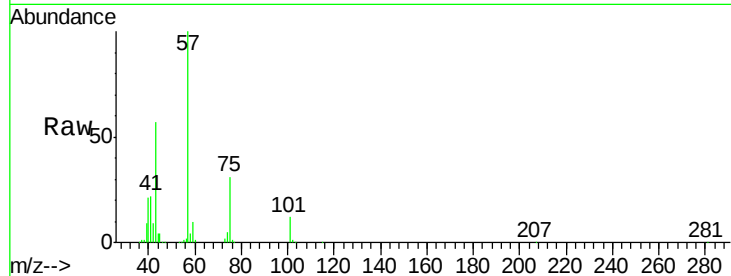


#54

cis-1,3-Dichloropropene  
 Concen: 4.884 ug/l  
 RT: 9.90 min Scan# 2529  
 Delta R.T. 0.06 min  
 Lab File: VN054416.D  
 Acq: 19 Mar 2019 2:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :

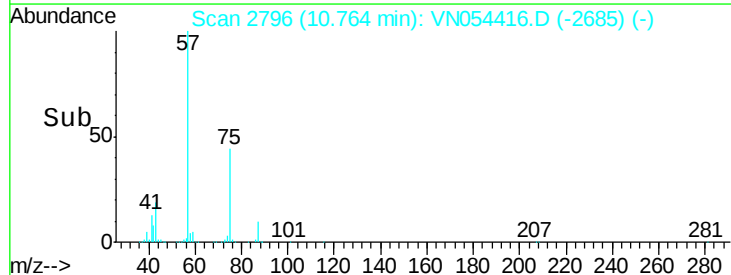
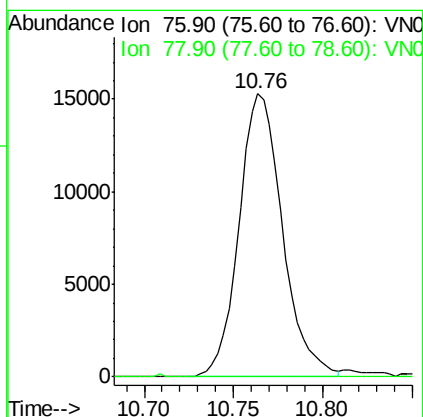
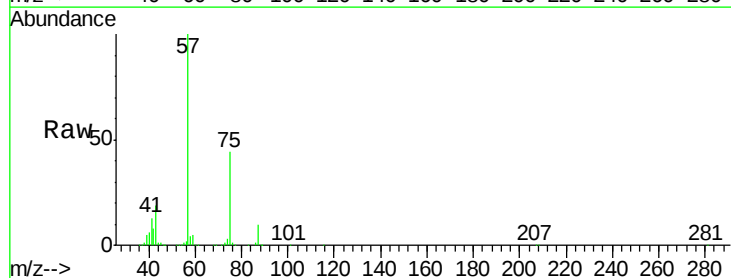
Tot Ion: 75 Resp: 132570  
 Ion Ratio Lower Upper  
 75 100  
 77 0.4 25.4 38.0#  
 39 29.8 37.2 55.8#

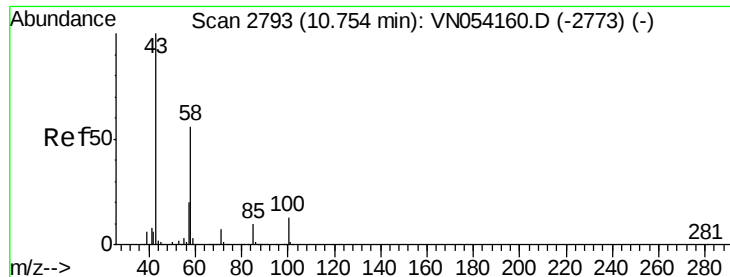


#57

1,3-Dichloropropane  
 Concen: 0.995 ug/l  
 RT: 10.76 min Scan# 2796  
 Delta R.T. 0.06 min  
 Lab File: VN054416.D  
 Acq: 19 Mar 2019 2:18

Tgt Ion: 76 Resp: 26086  
 Ion Ratio Lower Upper  
 76 100  
 78 0.0 25.7 38.5#

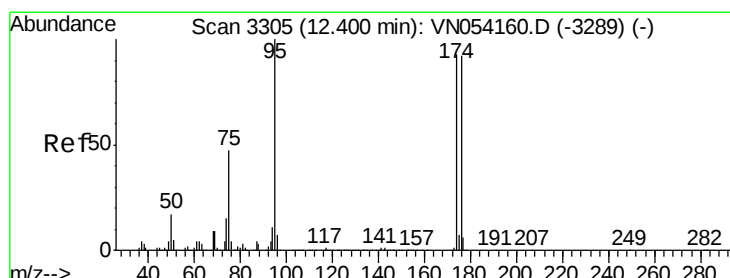
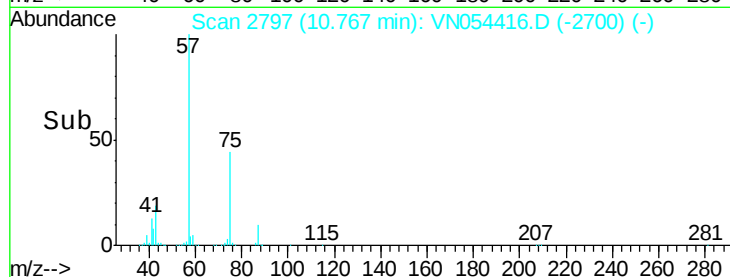
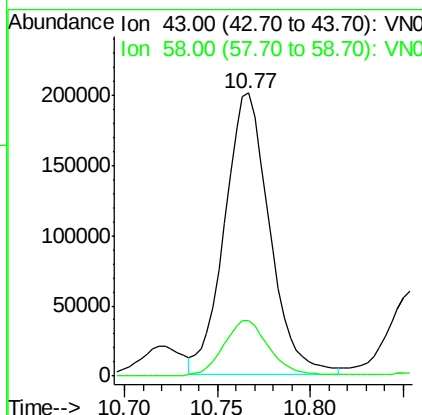
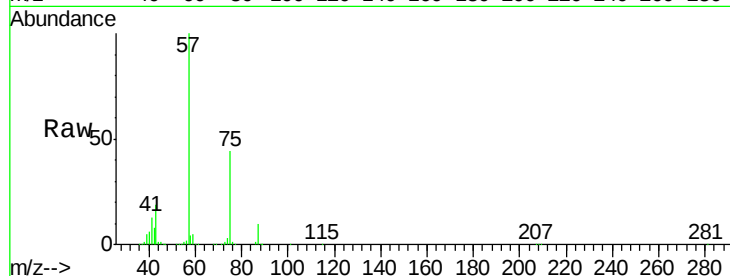




#59  
2-Hexanone  
Concen: 39.188 ug/l  
RT: 10.77 min Scan# 2797  
Delta R.T. 0.01 min  
Lab File: VN054416.D  
Acq: 19 Mar 2019 2:18

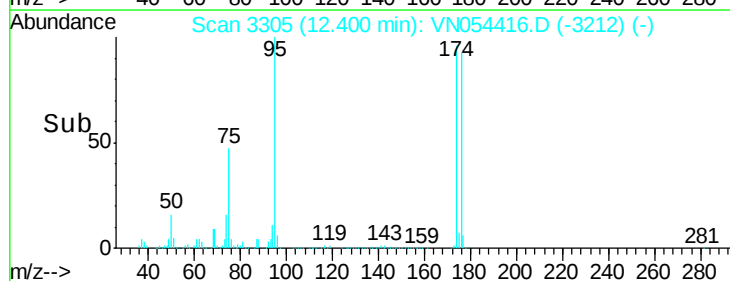
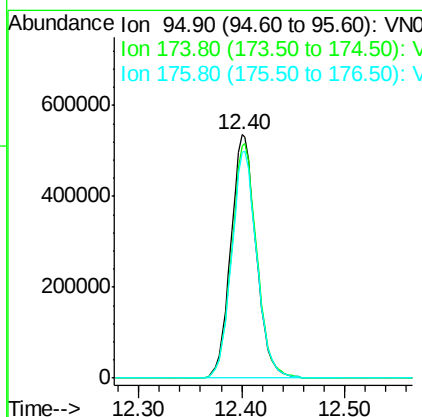
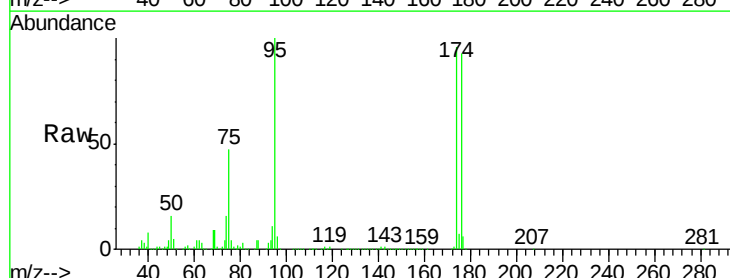
Instrument :  
MSVOA\_N  
ClientSampleId :

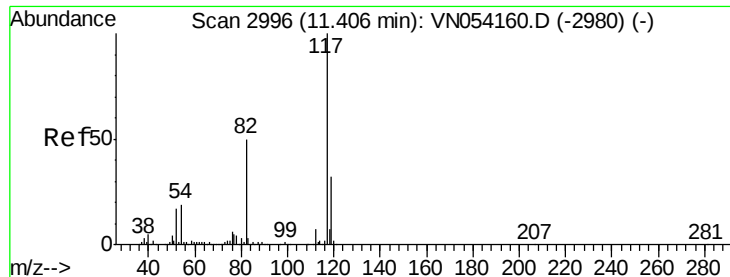
Tot Ion: 43 Resp: 336795  
Ion Ratio Lower Upper  
43 100  
58 20.4 28.0 83.9#



#62  
4-Bromofluorobenzene  
Concen: 41.638 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN054416.D  
Acq: 19 Mar 2019 2:18

Tgt Ion: 95 Resp: 911895  
Ion Ratio Lower Upper  
95 100  
174 96.3 0.0 191.0  
176 93.1 0.0 187.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Instrument :

MSVOA\_N

ClientSampleId :

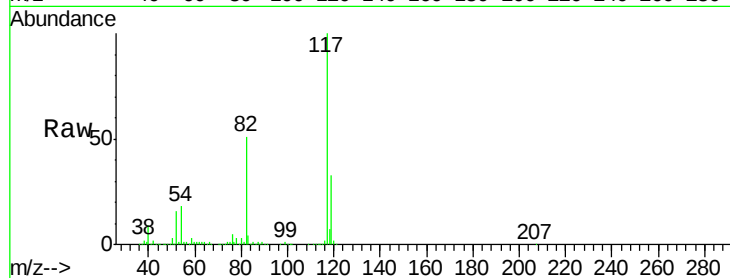
Tot Ion:117 Resp: 2232938

Ion Ratio Lower Upper

117 100

82 50.9 40.0 60.0

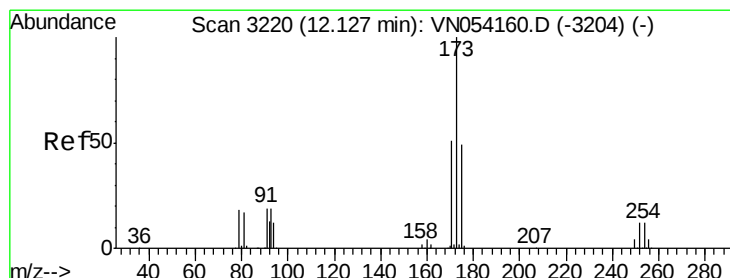
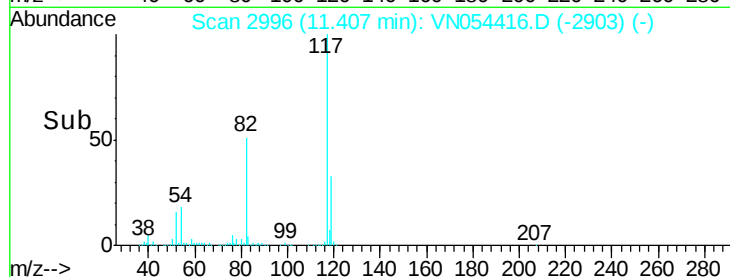
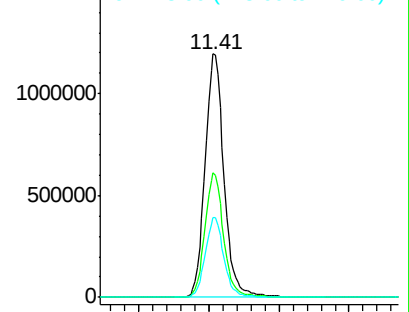
119 32.6 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 2.705 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

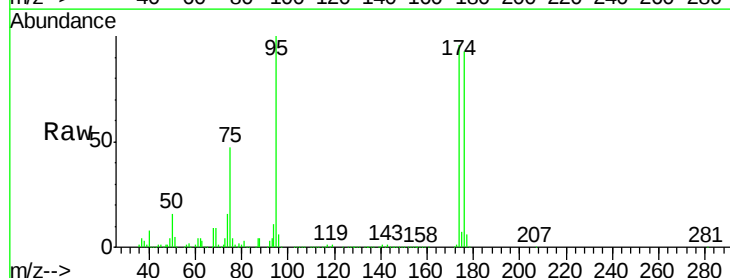
Tgt Ion:173 Resp: 5047

Ion Ratio Lower Upper

173 100

175 1061.9 24.4 73.2#

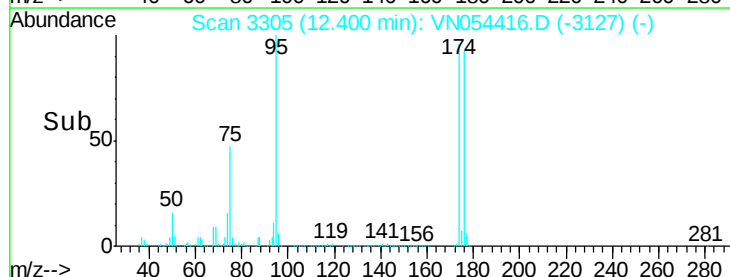
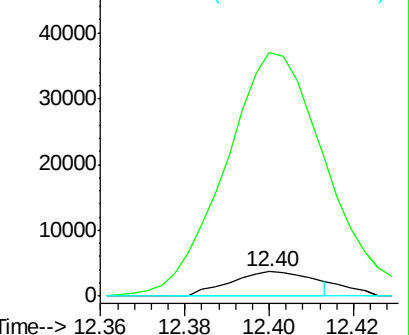
254 0.0 0.1 0.1#

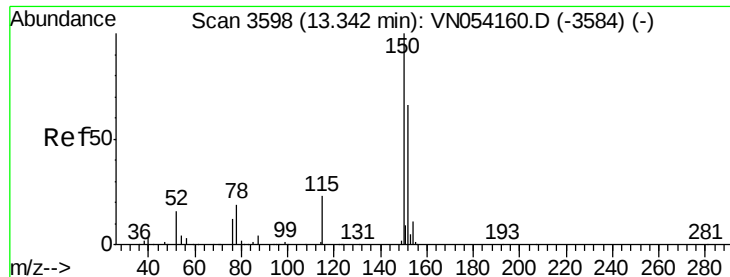


Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Instrument :

MSVOA\_N

ClientSampleId :

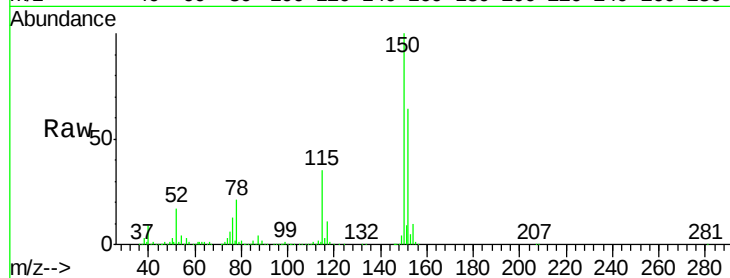
Tot Ion:152 Resp: 816069

Ion Ratio Lower Upper

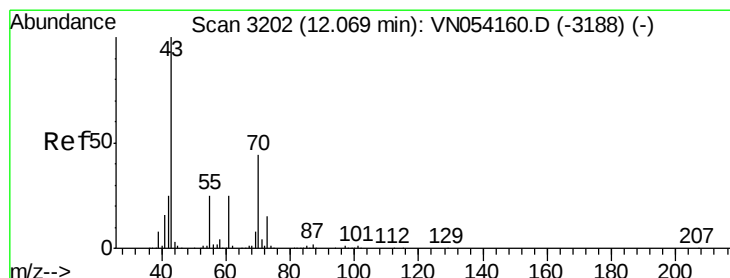
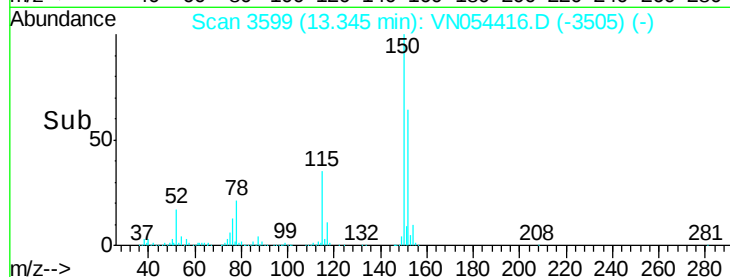
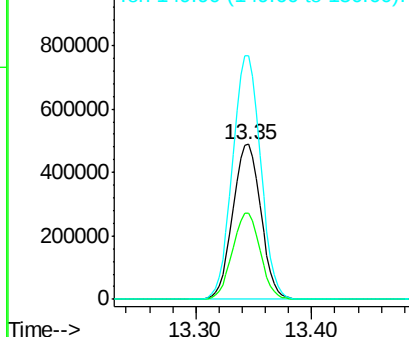
152 100

115 55.3 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



#74

N-ethyl acetate

Concen: 2.289 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Tgt Ion: 43 Resp: 33169

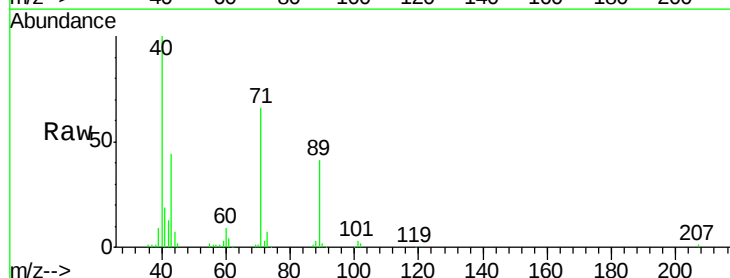
Ion Ratio Lower Upper

43 100

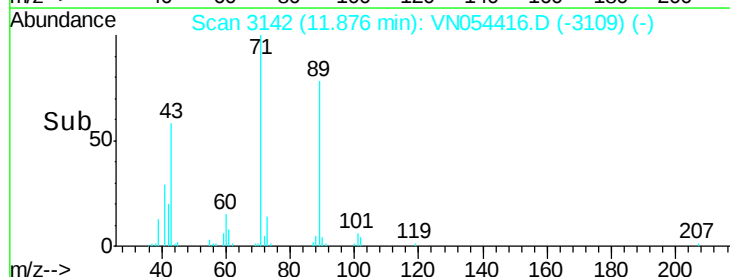
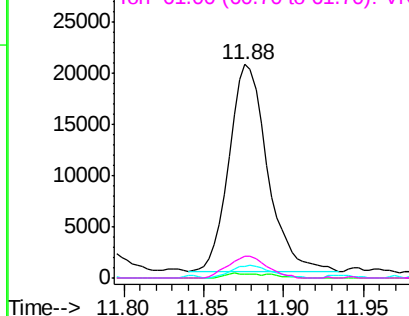
70 1.9 35.4 53.0#

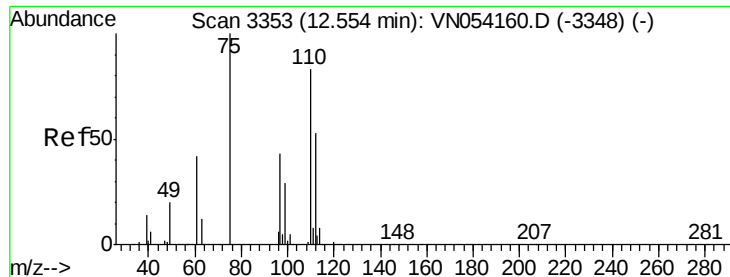
55 6.3 19.8 29.6#

61 10.6 19.8 29.6#



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: 35.305 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Instrument :

MSVOA\_N

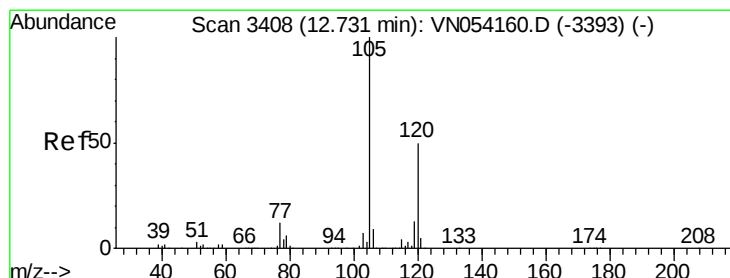
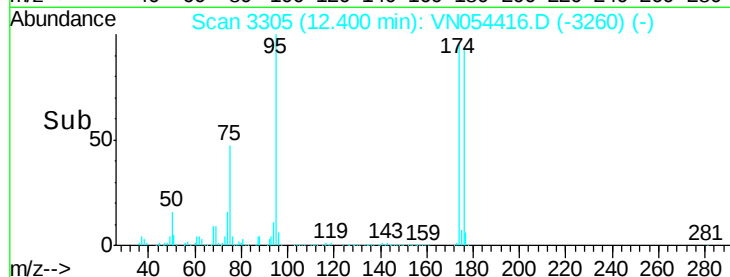
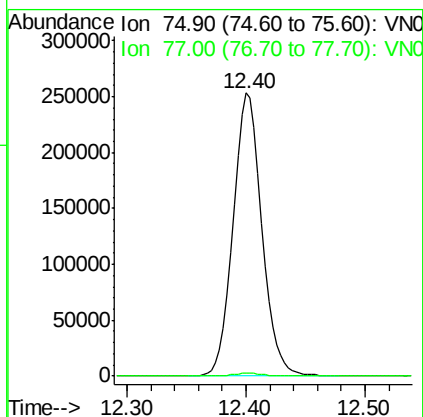
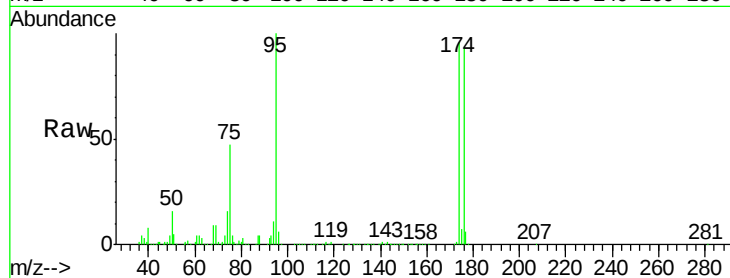
ClientSampled :

Tot Ion: 75 Resp: 423687

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.262 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054416.D

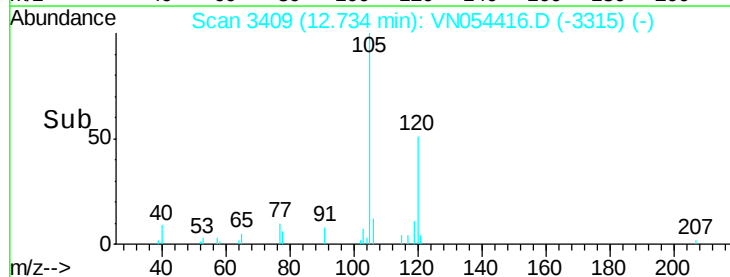
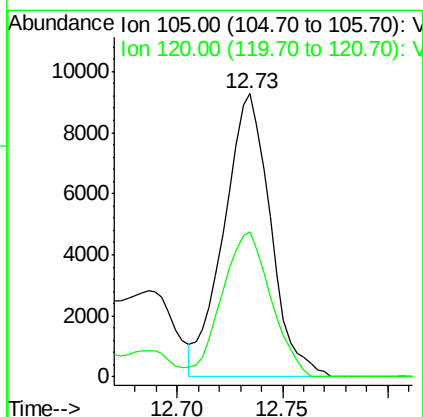
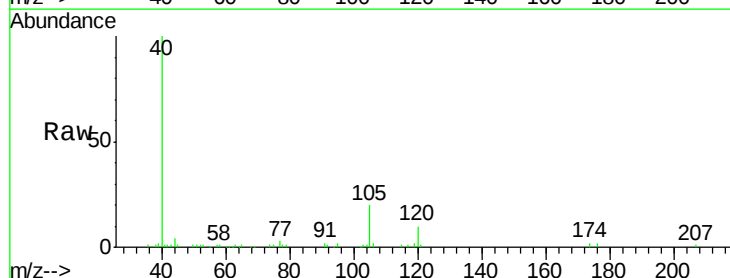
Acq: 19 Mar 2019 2:18

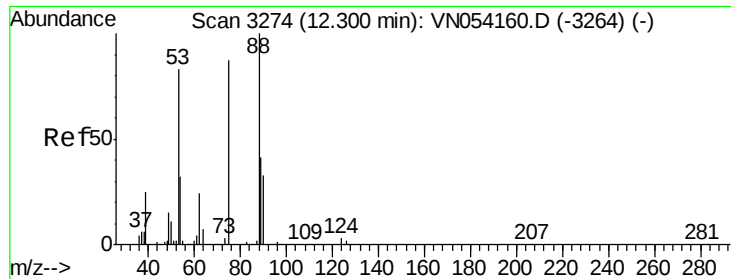
Tgt Ion: 105 Resp: 14221

Ion Ratio Lower Upper

105 100

120 53.8 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 120.689 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Instrument :

MSVOA\_N

ClientSampleId :

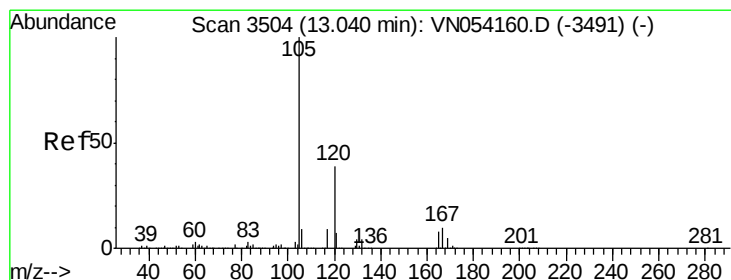
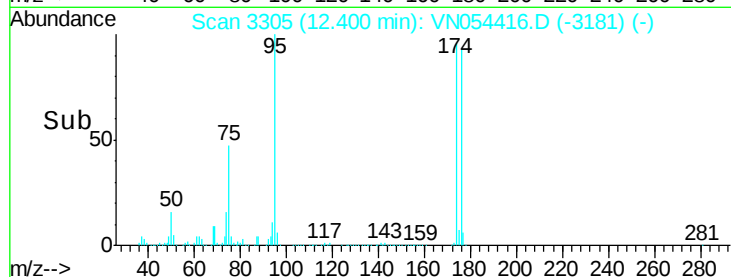
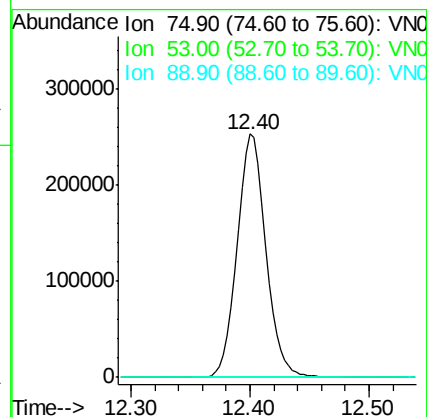
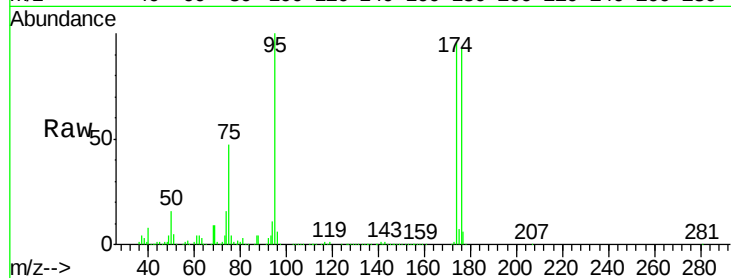
Tot Ion: 75 Resp: 423687

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



#84

1,2,4-Trimethylbenzene

Concen: 0.350 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054416.D

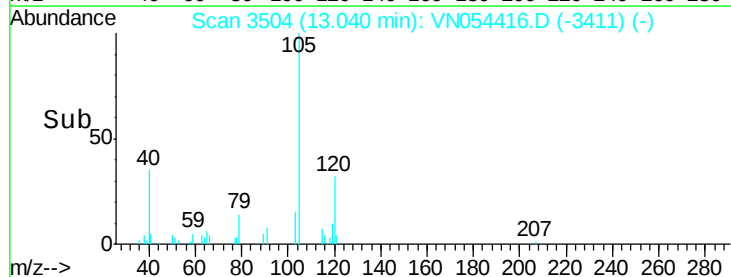
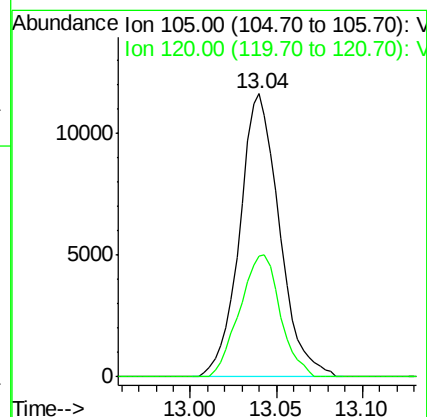
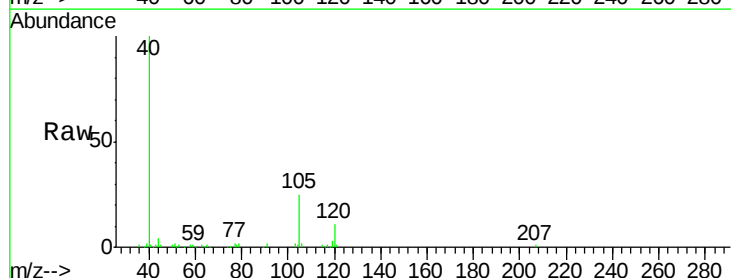
Acq: 19 Mar 2019 2:18

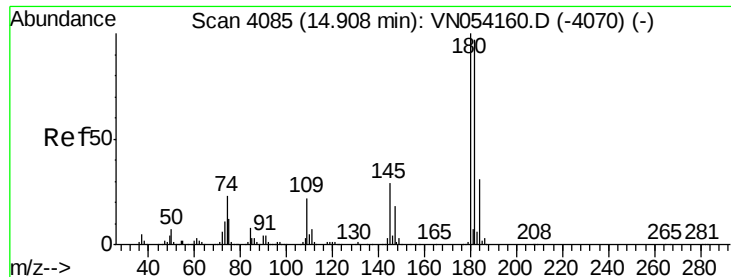
Tgt Ion:105 Resp: 18623

Ion Ratio Lower Upper

105 100

120 43.7 23.4 70.3





#93

1,2,4-Trichlorobenzene

Concen: 2.526 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

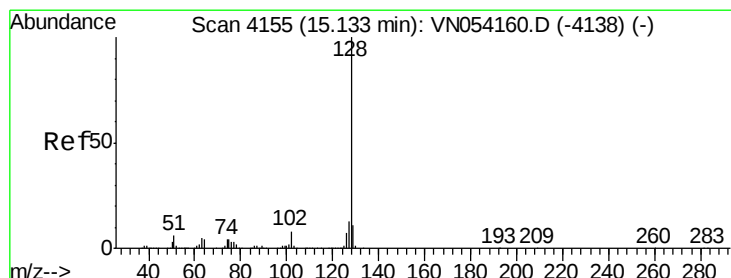
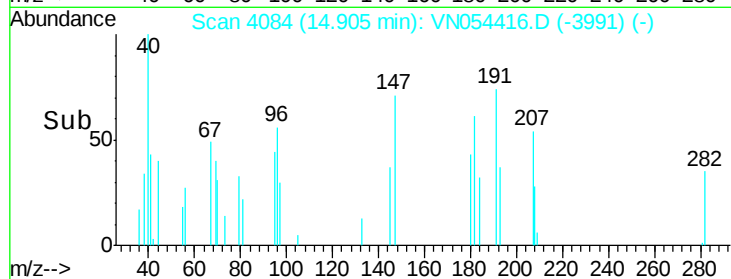
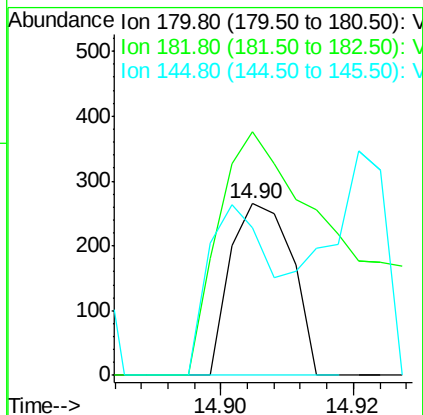
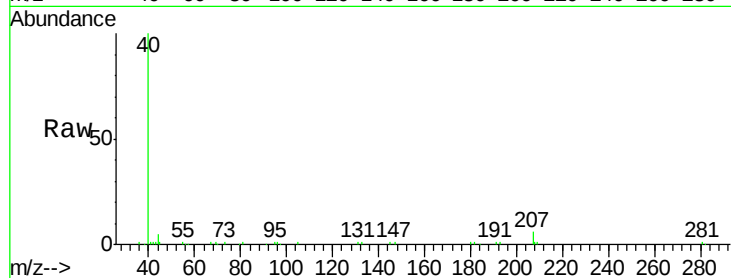
Instrument :

MSVOA\_N

ClientSampled :

Tot Ion:180 Resp: 171

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 180 | 100   |       |        |
| 182 | 279.5 | 48.0  | 144.2# |
| 145 | 95.3  | 14.2  | 42.8#  |



#95

Naphthalene

Concen: 4.516 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Tgt Ion:128 Resp: 40236

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.5  | 10.1  | 15.1  |
| 129 | 10.8  | 8.7   | 13.1  |

