

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050119\  
 Data File : VN055318.D  
 Acq On : 1 May 2019 10:30  
 Operator : JC/SP  
 Sample : VN0501WBL01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0501WBL01

Quant Time: May 02 01:47:37 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 30 07:16:52 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 337480   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 592069   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 527793   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 130991   | 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   | 244501   | 55.38 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 110.76% |          |
| 35) Dibromofluoromethane    | 7.60  | 113  | 203374   | 52.33 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.66% |          |
| 50) Toluene-d8              | 10.09 | 98   | 734121   | 52.32 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.64% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 214968   | 49.02 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.04%  |          |

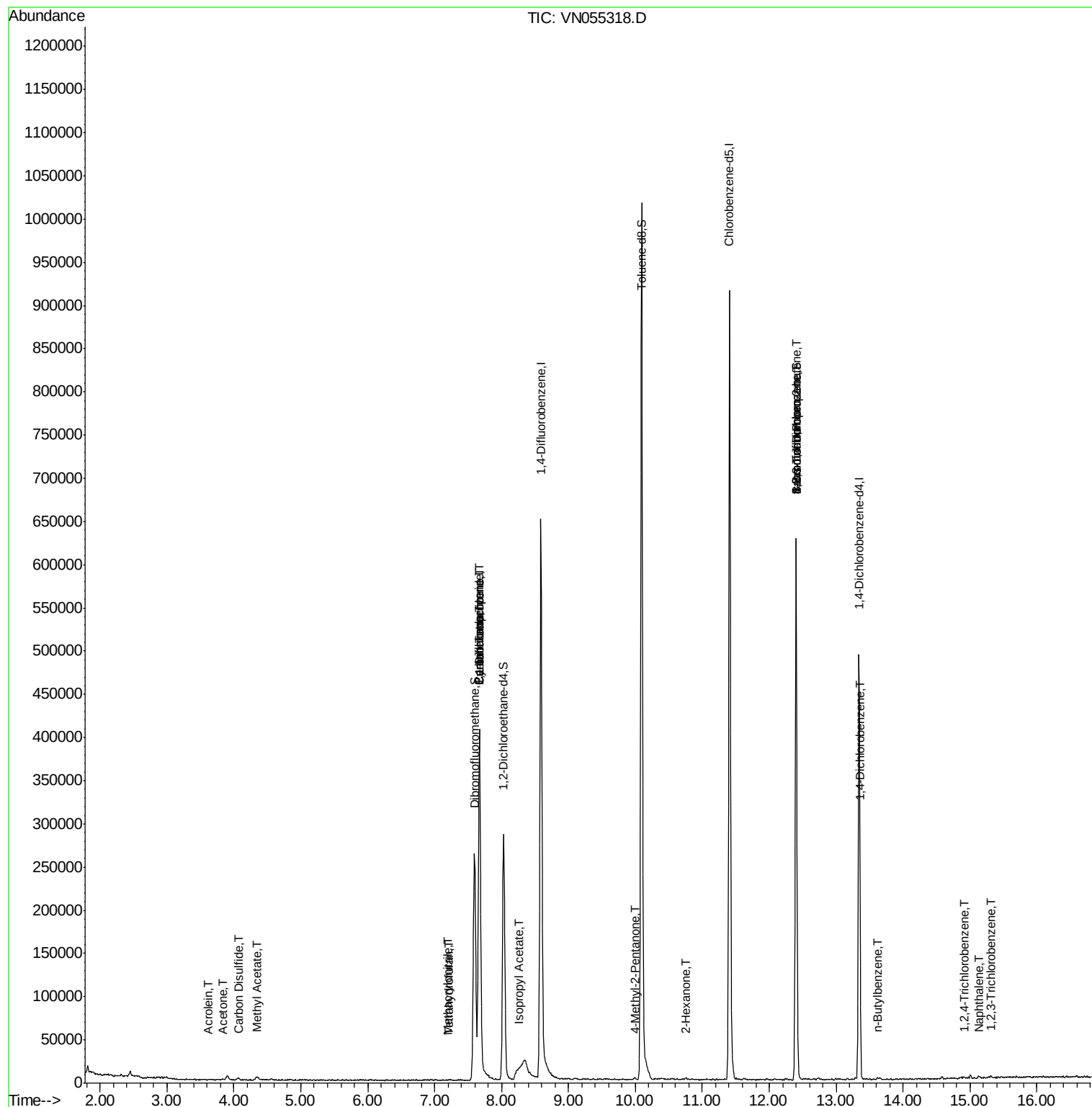
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 13) Acrolein                   | 3.62  | 56   | 99       | 0.502     | ug/l # | 14     |
| 16) Acetone                    | 3.84  | 43   | 1486     | 1.080     | ug/l # | 45     |
| 17) Carbon Disulfide           | 4.06  | 76   | 3266     | 0.375     | ug/l # | 74     |
| 18) Methyl Acetate             | 4.34  | 43   | 4463     | 0.302     | ug/l   | 98     |
| 29) Tetrahydrofuran            | 7.21  | 42   | 315      | 0.280     | ug/l # | 40     |
| 31) Cyclohexane                | 7.67  | 56   | 7382     | 1.063     | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 26733    | 4.714     | ug/l # | 49     |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 32450    | 5.932     | ug/l # | 16     |
| 41) Methacrylonitrile          | 7.19  | 41   | 60       | 0.765     | ug/l # | 47     |
| 43) Isopropyl Acetate          | 8.25  | 43   | 16599    | 2.376     | ug/l # | 56     |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 2132     | 0.542     | ug/l # | 81     |
| 59) 2-Hexanone                 | 10.76 | 43   | 1747     | 0.710     | ug/l   | 87     |
| 71) Bromoform                  | 12.39 | 173  | 550      | 0.245     | ug/l # | 29     |
| 73) Isopropylbenzene           | 12.25 | 105  | 1014     | Below Cal | #      | 49     |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 63       | Below Cal | #      | 25     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 109849   | 44.857    | ug/l # | 100    |
| 77) Bromobenzene               | 12.53 | 156  | 147      | Below Cal | #      | 1      |
| 79) 2-Chlorotoluene            | 12.77 | 91   | 884      | Below Cal |        | 77     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 109849   | 158.920   | ug/l # | 7      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 552      | Below Cal | #      | 75     |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 1089     | 0.264     | ug/l # | 1      |
| 89) n-Butylbenzene             | 13.61 | 91   | 1384     | 0.212     | ug/l   | 93     |
| 93) 1,2,4-Trichlorobenzene     | 14.90 | 180  | 735      | 3.711     | ug/l # | 83     |
| 94) Hexachlorobutadiene        | 15.00 | 225  | 714      | Below Cal | #      | 62     |
| 95) Naphthalene                | 15.14 | 128  | 1831     | 3.798     | ug/l # | 89     |
| 96) 1,2,3-Trichlorobenzene     | 15.31 | 180  | 1178     | 3.275     | ug/l # | 14     |

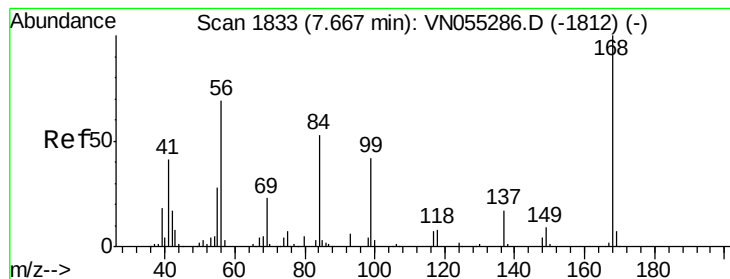
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N042919W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 30 07:16:52 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055318.D

Acq: 1 May 2019 10:30

Instrument :

MSVOA\_N

ClientSampleId :

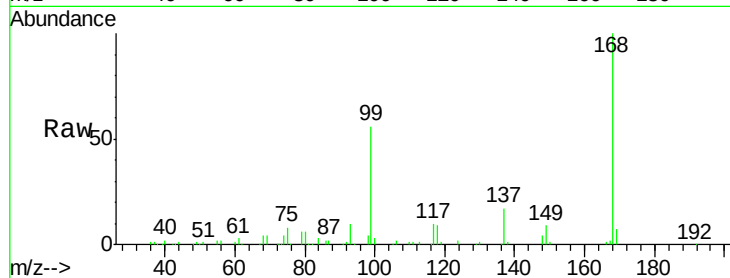
VN0501WBL01

Tot Ion:168 Resp: 337480

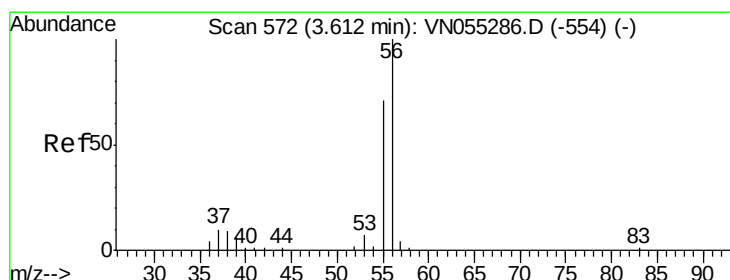
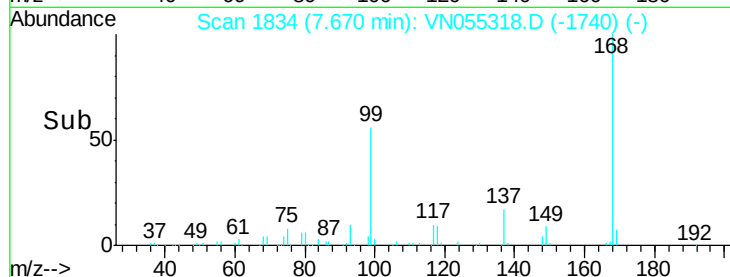
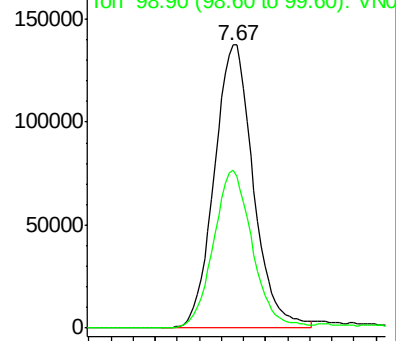
Ion Ratio Lower Upper

168 100

99 55.8 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN055318.D (-1740) (-)



#13

Acrolein

Concen: 0.502 ug/l

RT: 3.62 min Scan# 575

Delta R.T. 0.01 min

Lab File: VN055318.D

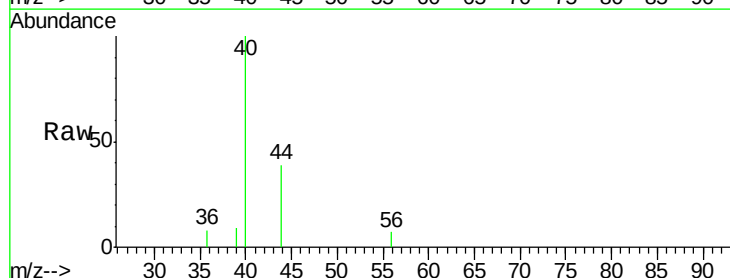
Acq: 1 May 2019 10:30

Tgt Ion: 56 Resp: 99

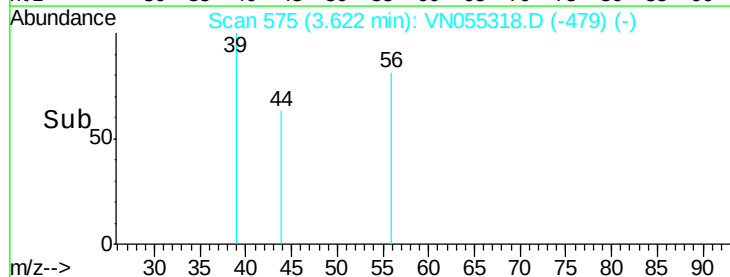
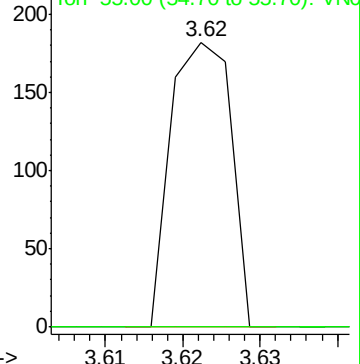
Ion Ratio Lower Upper

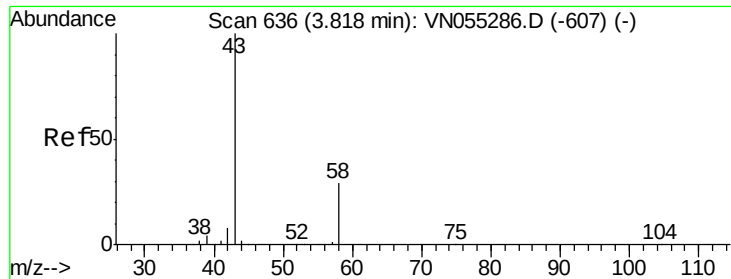
56 100

55 0.0 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VN055318.D (-479) (-)





#16

Acetone

Concen: 1.080 ug/l

RT: 3.84 min Scan# 642

Delta R.T. 0.02 min

Lab File: VN055318.D

Acq: 1 May 2019 10:30

Instrument :

MSVOA\_N

ClientSampled :

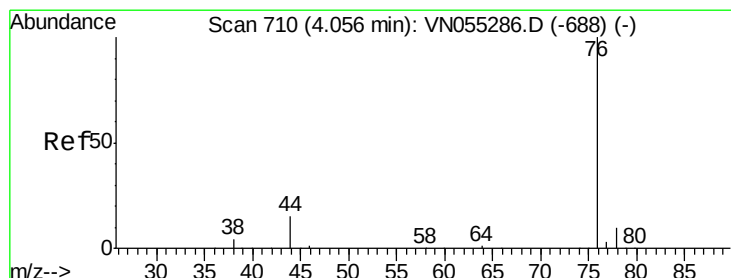
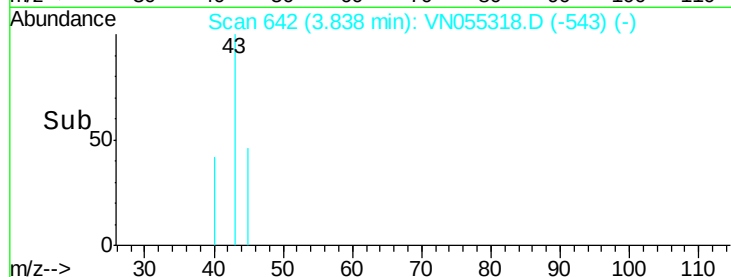
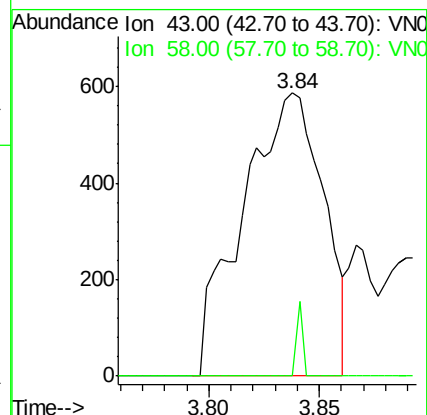
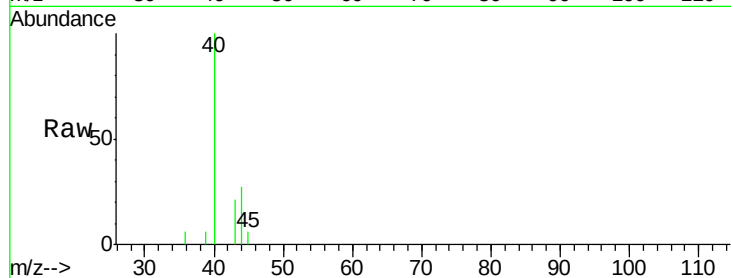
VN0501WBL01

Tot Ion: 43 Resp: 1486

Ion Ratio Lower Upper

43 100

58 0.0 23.6 35.4#



#17

Carbon Disulfide

Concen: 0.375 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN055318.D

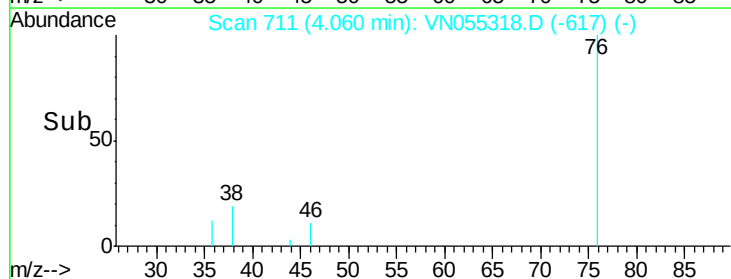
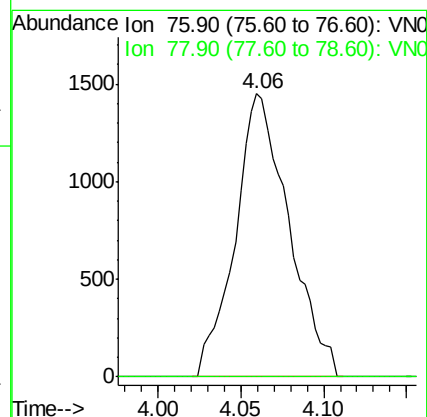
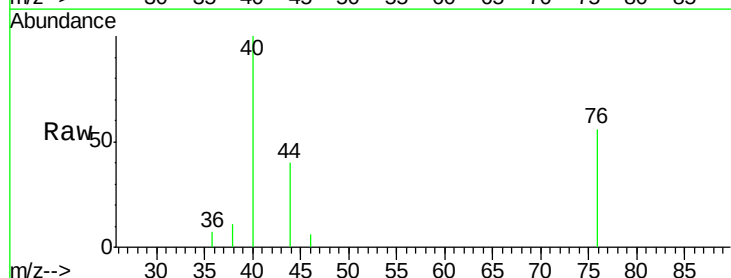
Acq: 1 May 2019 10:30

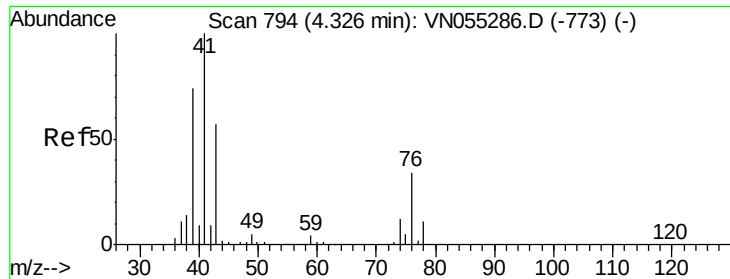
Tgt Ion: 76 Resp: 3266

Ion Ratio Lower Upper

76 100

78 0.0 7.6 11.4#

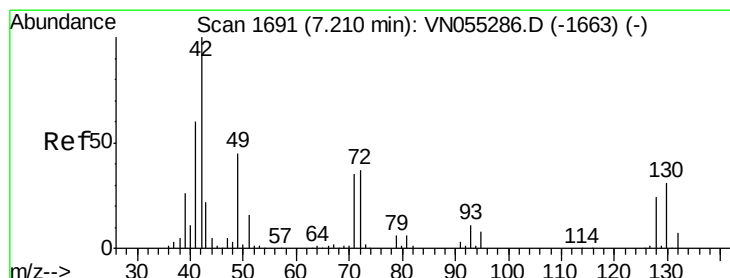
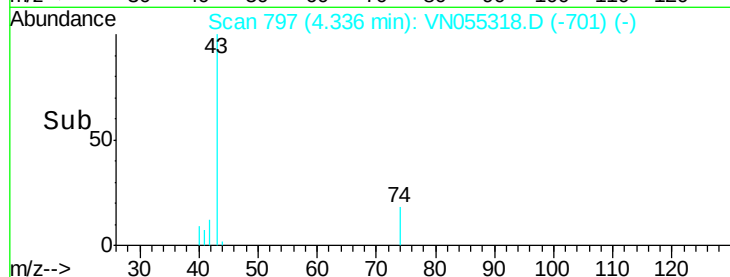
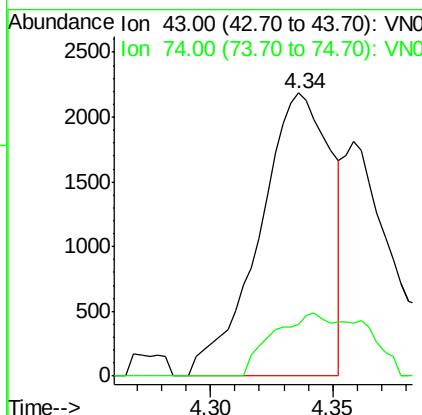
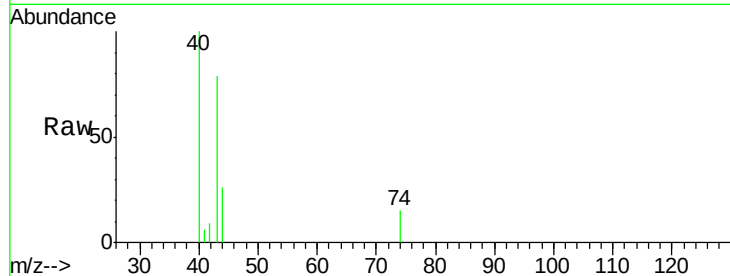




#18  
Methyl Acetate  
Concen: 0.302 ug/l  
RT: 4.34 min Scan# 797  
Delta R.T. 0.01 min  
Lab File: VN055318.D  
Acq: 1 May 2019 10:30

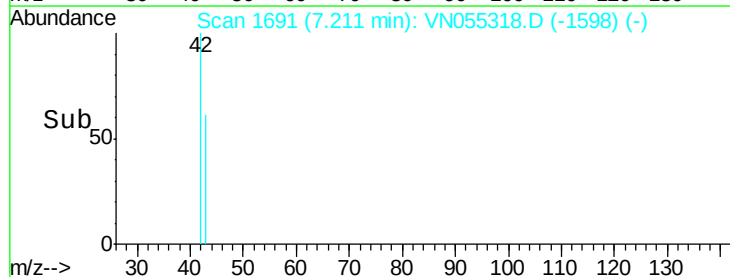
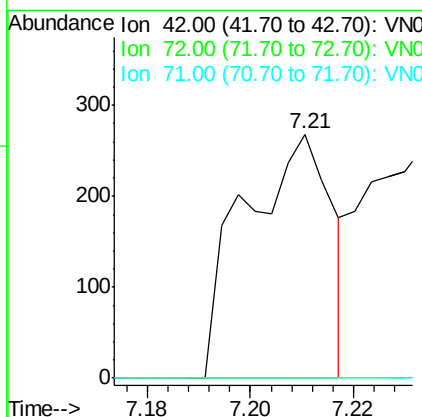
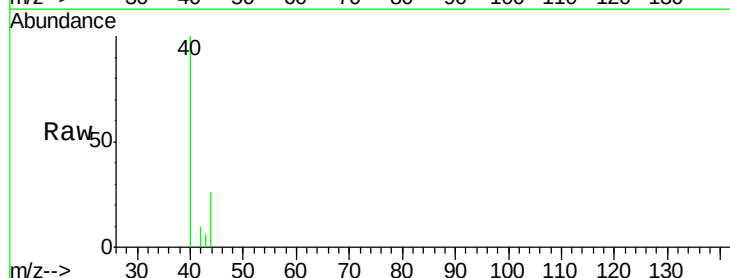
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0501WBL01

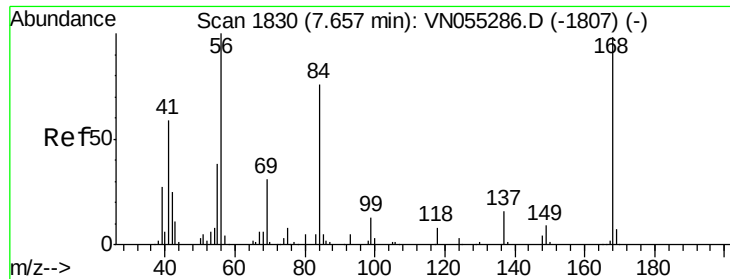
Tot Ion: 43 Resp: 4463  
Ion Ratio Lower Upper  
43 100  
74 20.9 15.8 23.8



#29  
Tetrahydrofuran  
Concen: 0.280 ug/l  
RT: 7.21 min Scan# 1691  
Delta R.T. 0.00 min  
Lab File: VN055318.D  
Acq: 1 May 2019 10:30

Tgt Ion: 42 Resp: 315  
Ion Ratio Lower Upper  
42 100  
72 0.0 29.0 43.6#  
71 0.0 27.1 40.7#





#31

Cyclohexane

Concen: 1.063 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN055318.D

Acq: 1 May 2019 10:30

Instrument :

MSVOA\_N

ClientSampleId :

VN0501WBL01

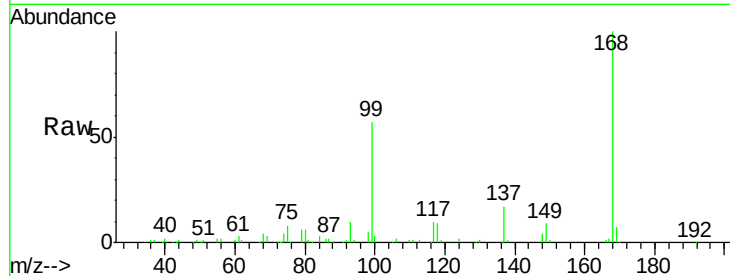
Tot Ion: 56 Resp: 7382

Ion Ratio Lower Upper

56 100

69 153.7 25.2 37.8#

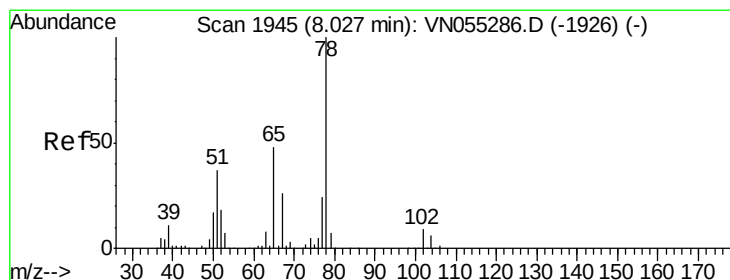
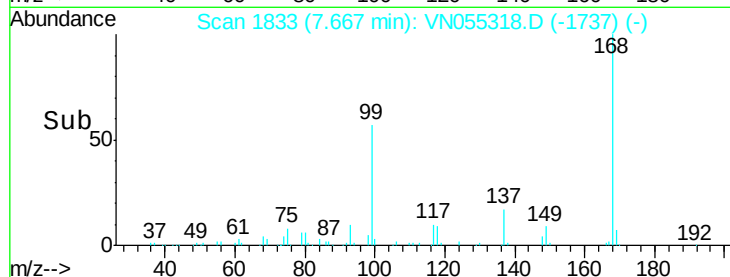
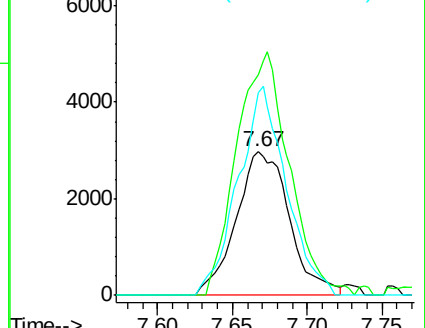
84 141.1 61.1 91.7#



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: 55.380 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN055318.D

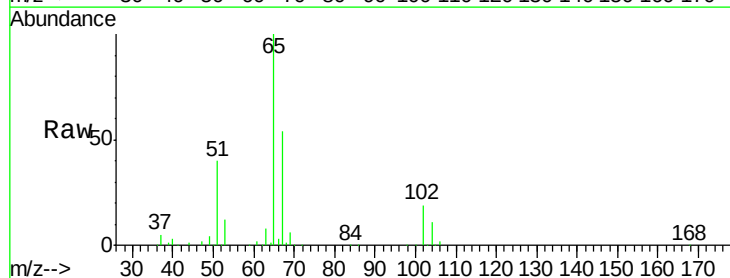
Acq: 1 May 2019 10:30

Tgt Ion: 65 Resp: 244501

Ion Ratio Lower Upper

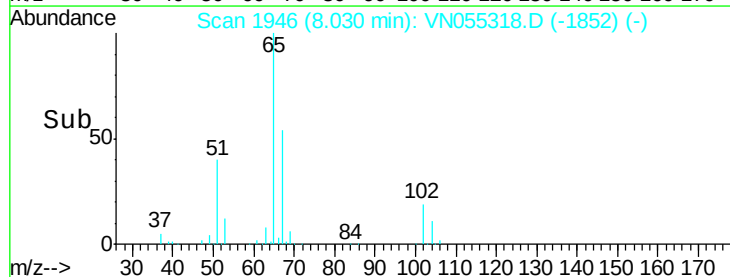
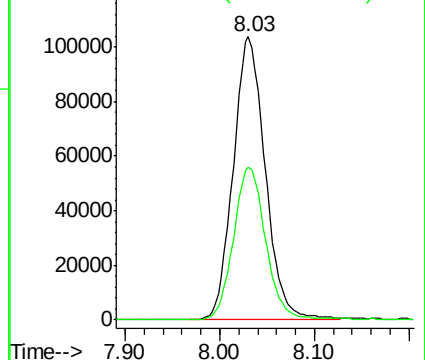
65 100

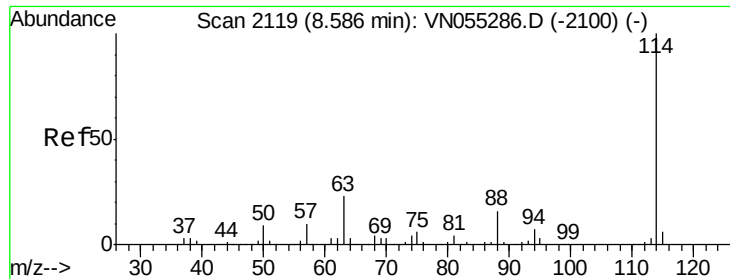
67 53.9 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2120

Delta R.T. 0.00 min

Lab File: VN055318.D

Acq: 1 May 2019 10:30

Instrument :

MSVOA\_N

ClientSampleId :

VN0501WBL01

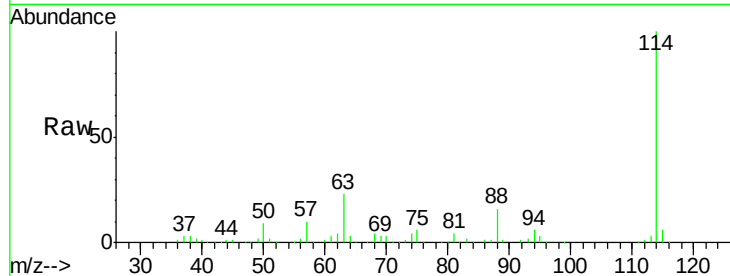
Tot Ion:114 Resp: 592069

Ion Ratio Lower Upper

114 100

63 23.4 0.0 45.2

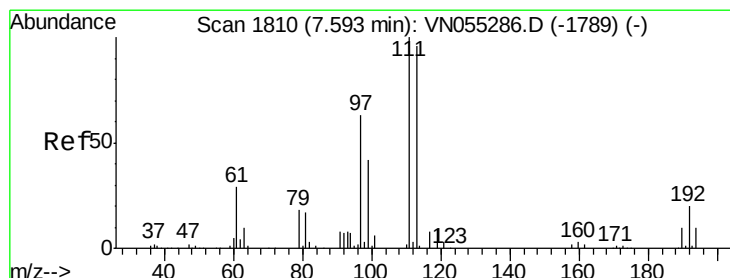
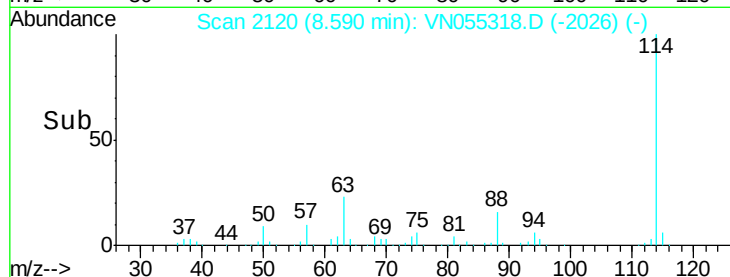
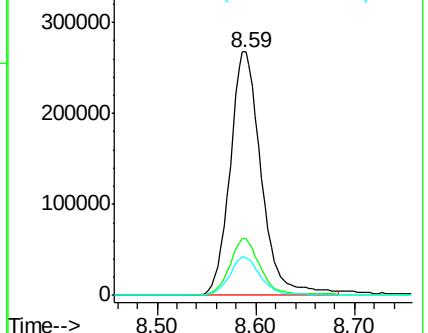
88 15.6 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 52.333 ug/l

RT: 7.60 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VN055318.D

Acq: 1 May 2019 10:30

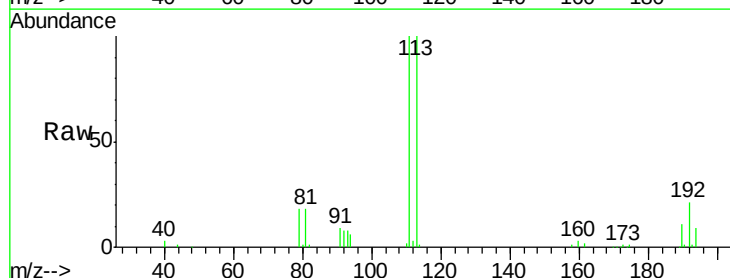
Tgt Ion:113 Resp: 203374

Ion Ratio Lower Upper

113 100

111 100.5 82.3 123.5

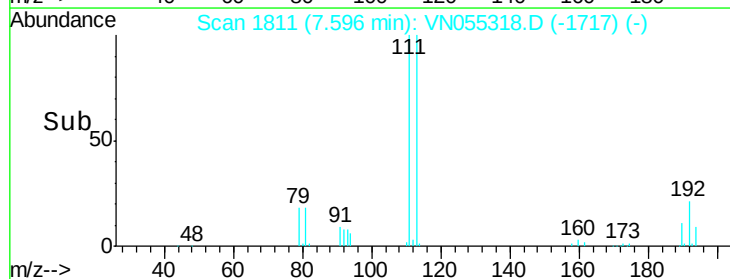
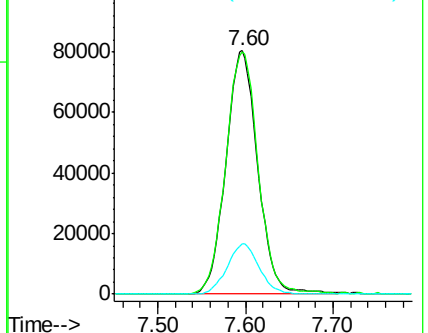
192 20.6 17.0 25.6

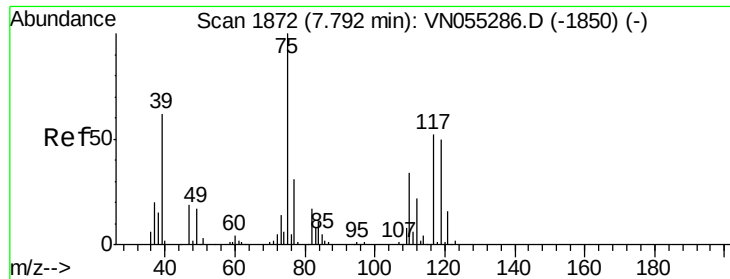


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

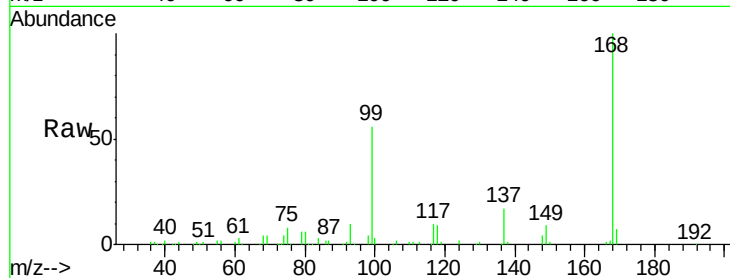




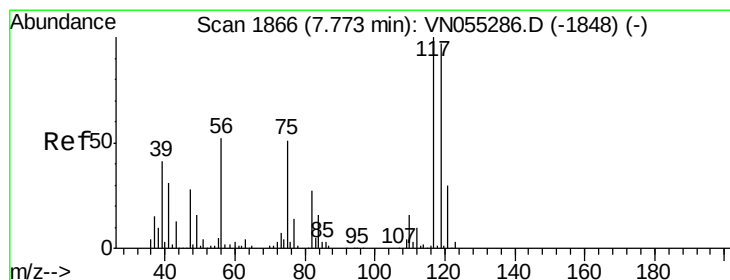
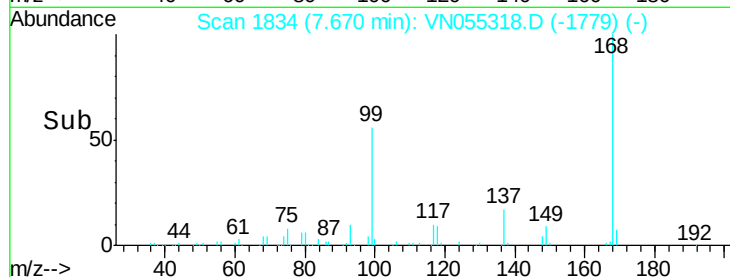
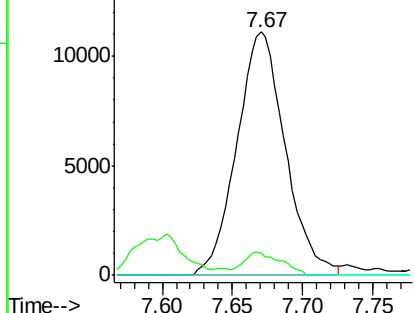
#36  
 1,1-Dichloropropene  
 Concen: 4.714 ug/l  
 RT: 7.67 min Scan# 1834  
 Delta R.T. -0.12 min  
 Lab File: VN055318.D  
 Acq: 1 May 2019 10:30

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0501WBL01

Tot Ion: 75 Resp: 26733  
 Ion Ratio Lower Upper  
 75 100  
 110 7.5 16.8 50.4#  
 77 0.0 25.0 37.6#

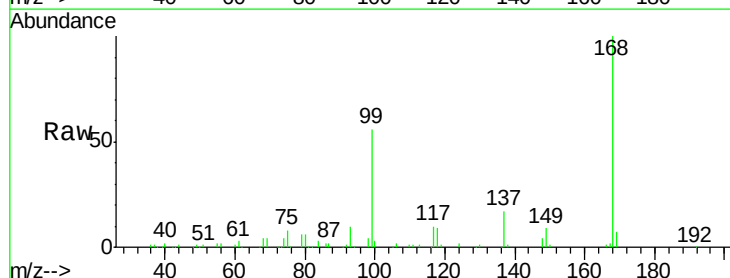


Abundance Ion 74.90 (74.60 to 75.60): VN0  
 Ion 109.90 (109.60 to 110.60): V  
 Ion 76.90 (76.60 to 77.60): VN0

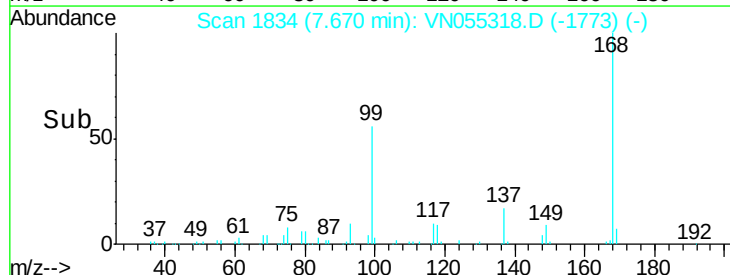
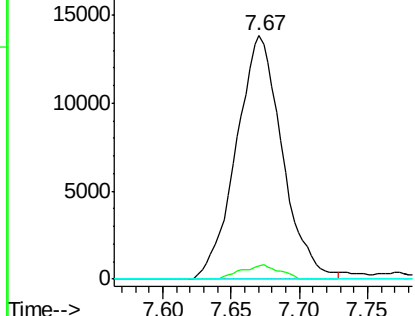


#38  
 Carbon Tetrachloride  
 Concen: 5.932 ug/l  
 RT: 7.67 min Scan# 1834  
 Delta R.T. -0.10 min  
 Lab File: VN055318.D  
 Acq: 1 May 2019 10:30

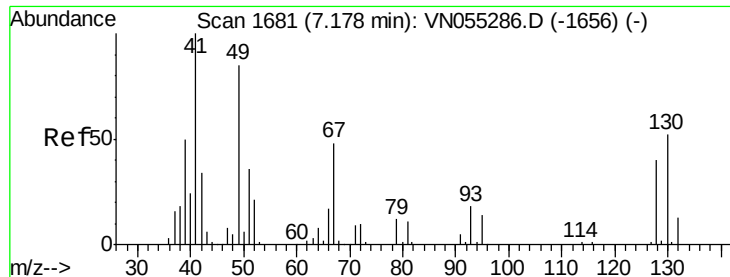
Tgt Ion: 117 Resp: 32450  
 Ion Ratio Lower Upper  
 117 100  
 119 5.6 77.0 115.6#  
 121 0.0 23.8 35.8#



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



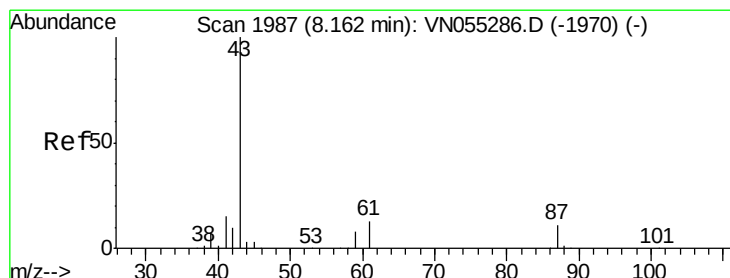
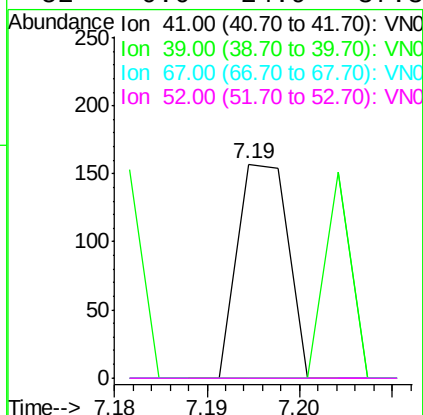
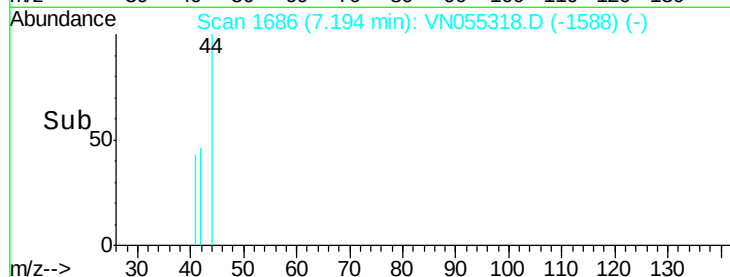
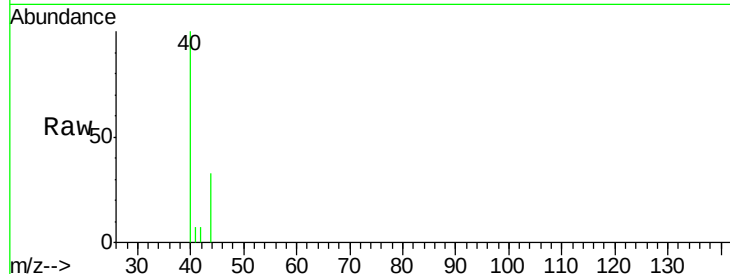




#41  
Methacrylonitrile  
Concen: 0.765 ug/l  
RT: 7.19 min Scan# 1686  
Delta R.T. 0.02 min  
Lab File: VN055318.D  
Acq: 1 May 2019 10:30

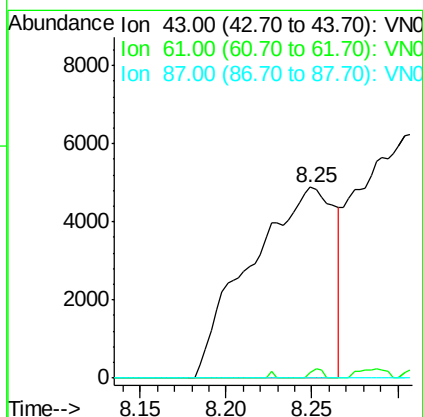
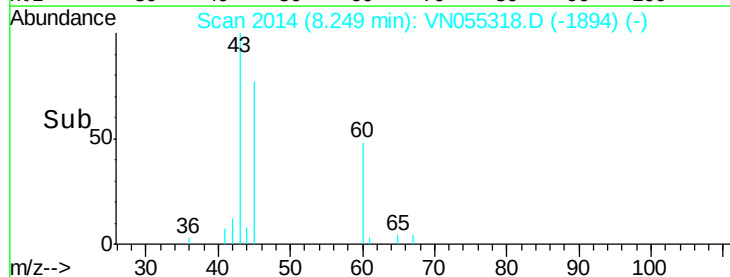
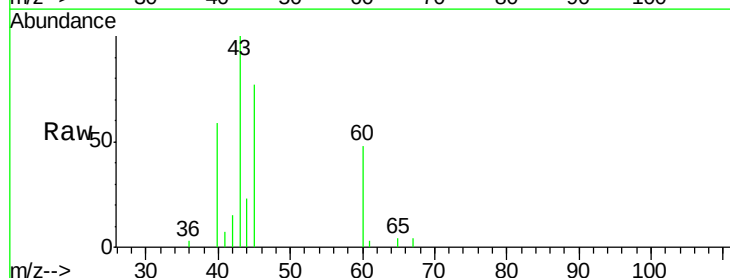
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0501WBL01

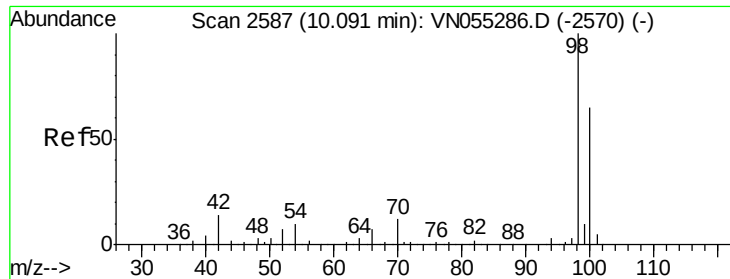
Tot Ion: 41 Resp: 60  
Ion Ratio Lower Upper  
41 100  
39 48.3 48.5 72.7#  
67 0.0 54.9 82.3#  
52 0.0 24.9 37.3#



#43  
Isopropyl Acetate  
Concen: 2.376 ug/l  
RT: 8.25 min Scan# 2014  
Delta R.T. 0.09 min  
Lab File: VN055318.D  
Acq: 1 May 2019 10:30

Tgt Ion: 43 Resp: 16599  
Ion Ratio Lower Upper  
43 100  
61 0.0 20.8 31.2#  
87 0.0 8.5 12.7#





#50

Toluene-d8

Concen: 52.316 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055318.D

Acq: 1 May 2019 10:30

Instrument :

MSVOA\_N

ClientSampleId :

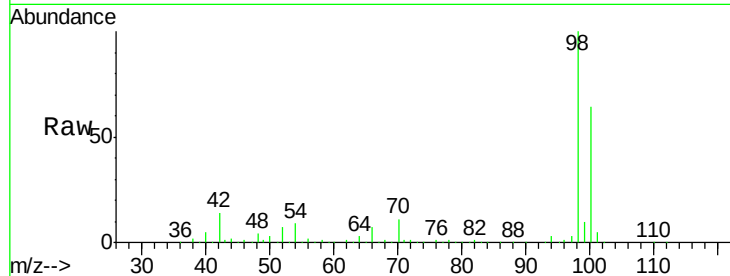
VN0501WBL01

Tot Ion: 98 Resp: 734121

Ion Ratio Lower Upper

98 100

100 64.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

400000

300000

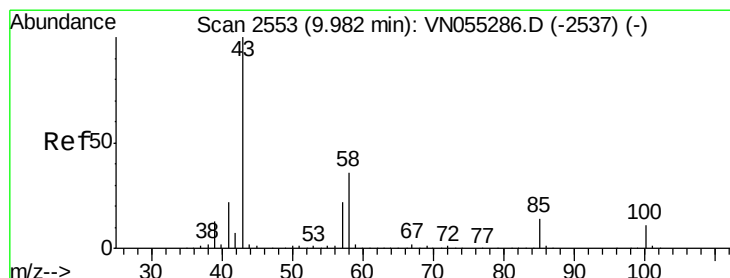
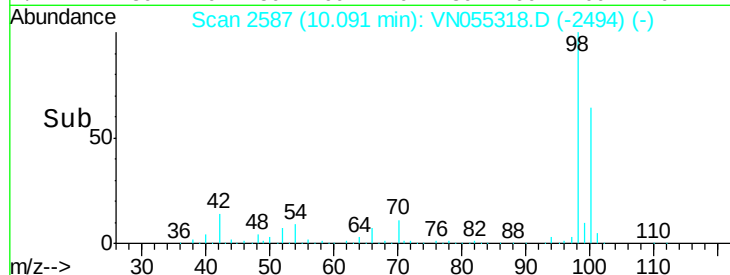
200000

100000

0

10.00 10.10 10.20 10.30

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.542 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.01 min

Lab File: VN055318.D

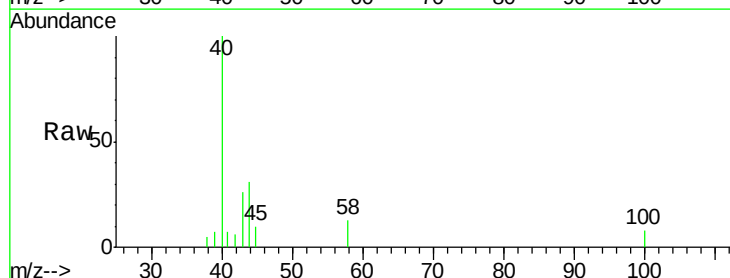
Acq: 1 May 2019 10:30

Tgt Ion: 43 Resp: 2132

Ion Ratio Lower Upper

43 100

58 24.2 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

800

600

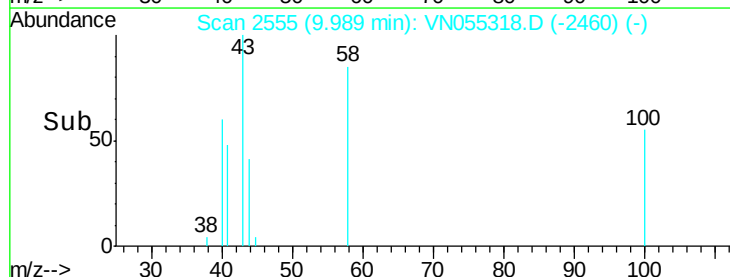
400

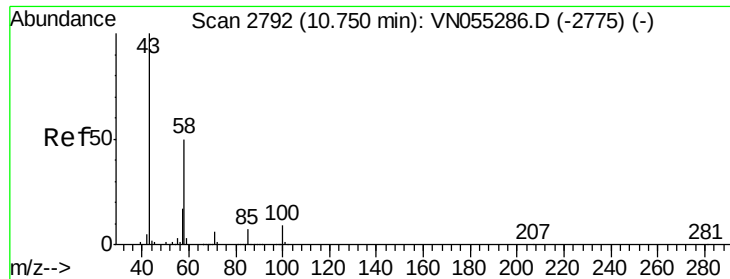
200

0

9.95 10.00 10.05

Time-->

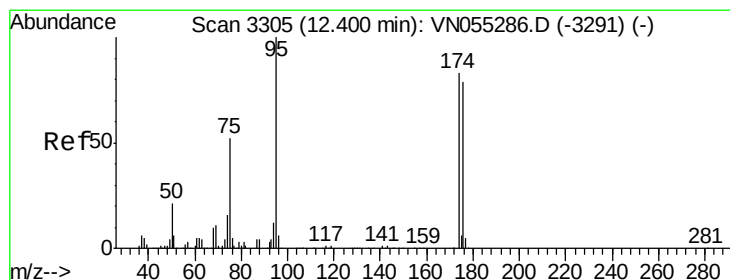
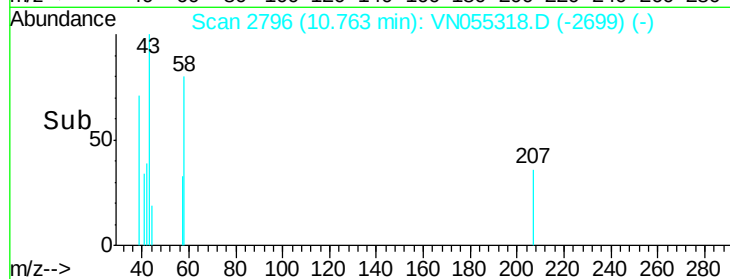
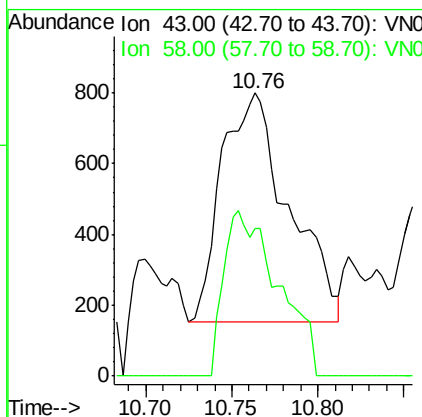
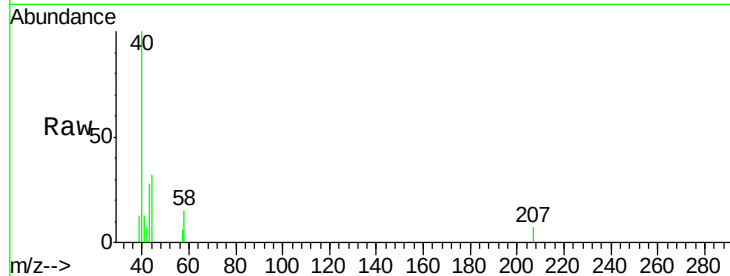




#59  
2-Hexanone  
Concen: 0.710 ug/l  
RT: 10.76 min Scan# 2796  
Delta R.T. 0.01 min  
Lab File: VN055318.D  
Acq: 1 May 2019 10:30

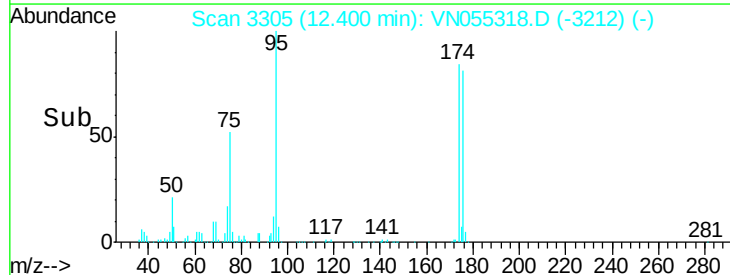
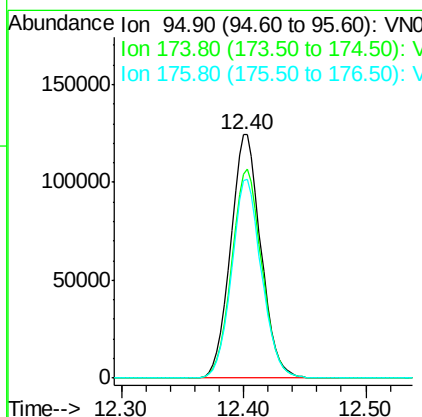
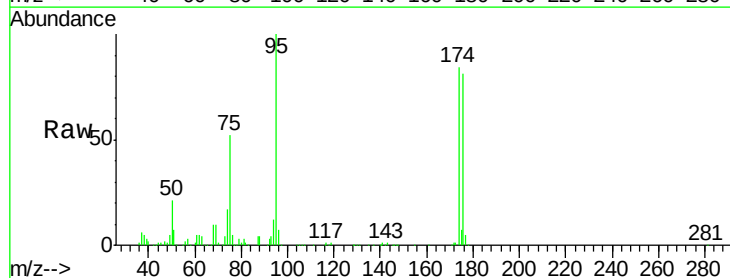
Instrument :  
MSVOA\_N  
ClientSampled :  
VN0501WBL01

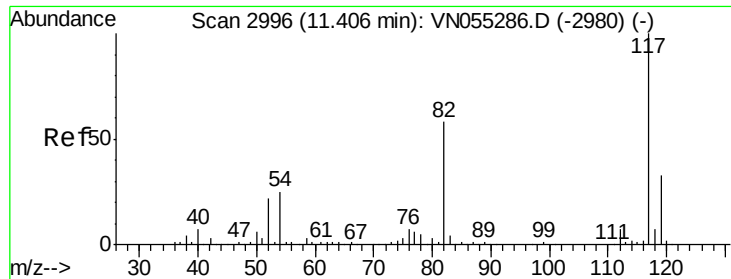
Tot Ion: 43 Resp: 1747  
Ion Ratio Lower Upper  
43 100  
58 58.8 24.9 74.6



#62  
4-Bromofluorobenzene  
Concen: 49.016 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN055318.D  
Acq: 1 May 2019 10:30

Tgt Ion: 95 Resp: 214968  
Ion Ratio Lower Upper  
95 100  
174 85.2 0.0 166.6  
176 80.5 0.0 157.8

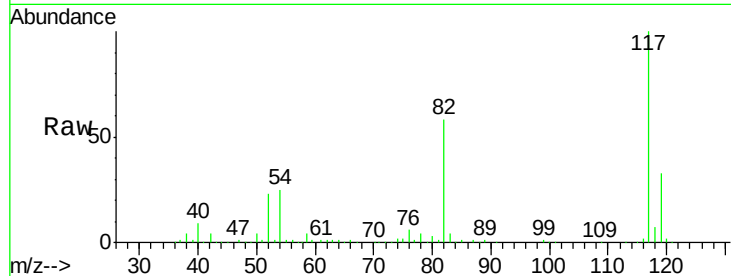




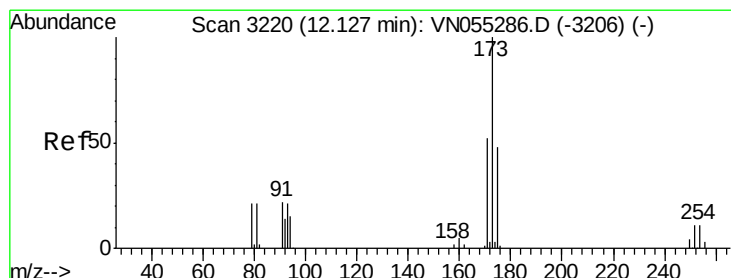
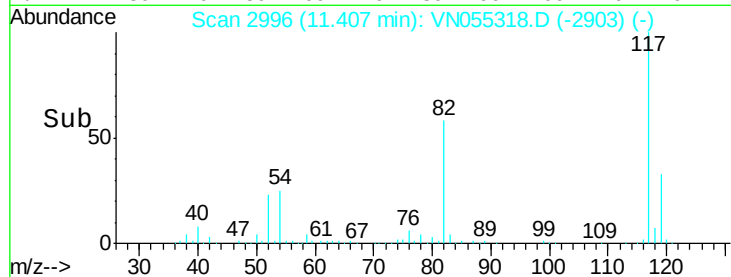
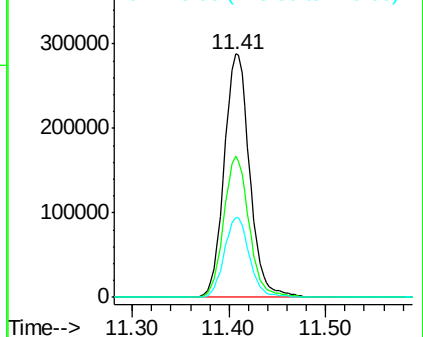
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN055318.D  
Acq: 1 May 2019 10:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0501WBL01

Tot Ion:117 Resp: 527793  
Ion Ratio Lower Upper  
117 100  
82 57.9 46.2 69.4  
119 33.0 26.6 40.0

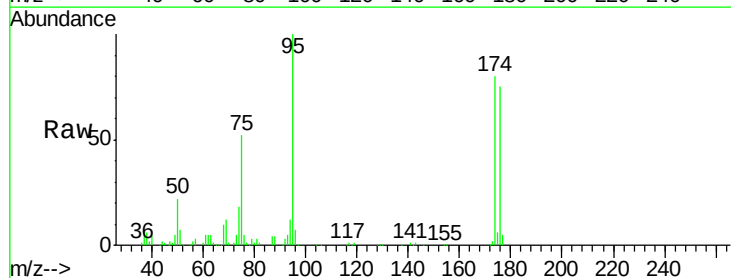


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

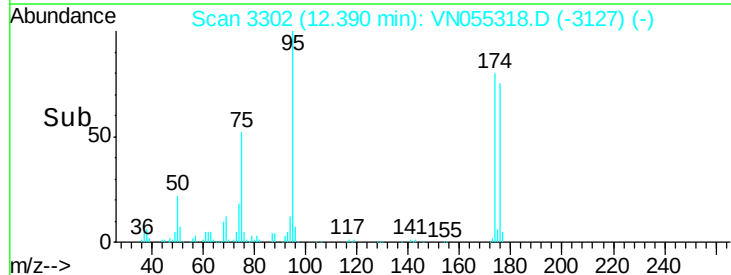
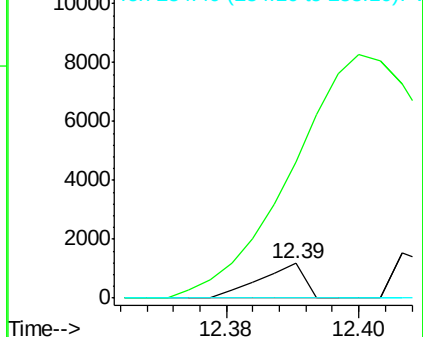


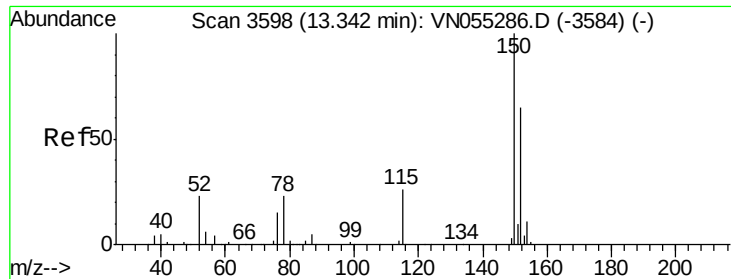
#71  
Bromoform  
Concen: 0.245 ug/l  
RT: 12.39 min Scan# 3302  
Delta R.T. 0.26 min  
Lab File: VN055318.D  
Acq: 1 May 2019 10:30

Tgt Ion:173 Resp: 550  
Ion Ratio Lower Upper  
173 100  
175 0.0 23.6 71.0#  
254 0.0 0.0 0.0



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055318.D

Acq: 1 May 2019 10:30

Instrument :

MSVOA\_N

ClientSampled :

VN0501WBL01

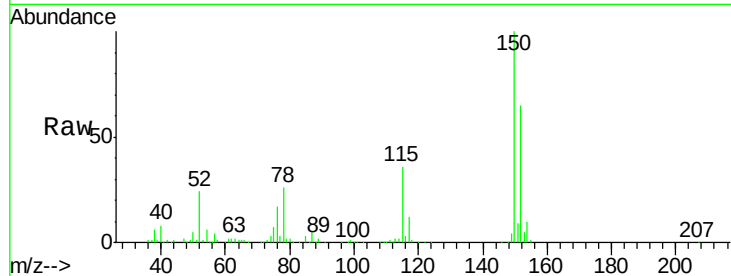
Tot Ion:152 Resp: 130991

Ion Ratio Lower Upper

152 100

115 57.4 29.0 87.0

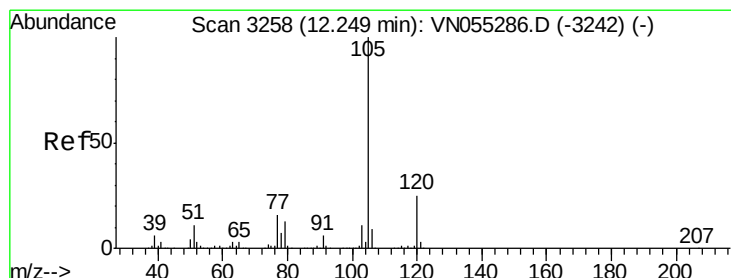
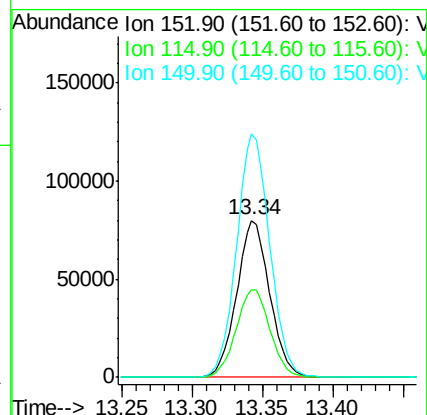
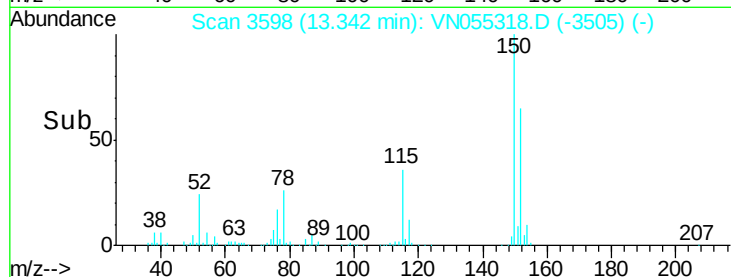
150 156.3 0.0 345.6



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



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055318.D

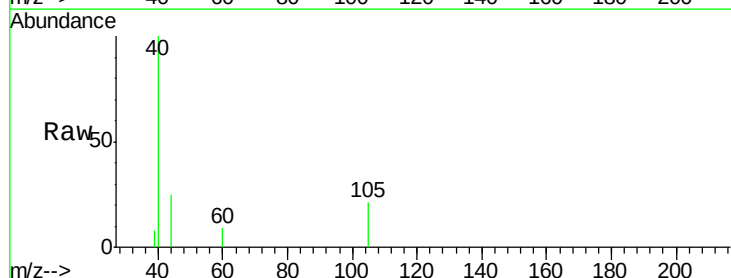
Acq: 1 May 2019 10:30

Tgt Ion:105 Resp: 1014

Ion Ratio Lower Upper

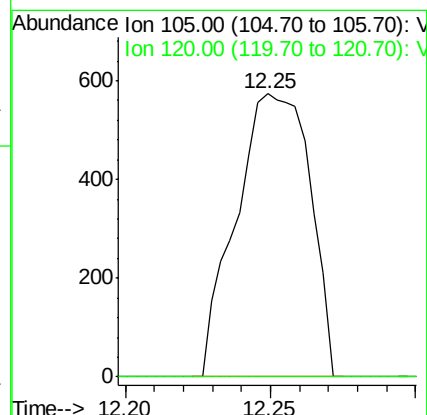
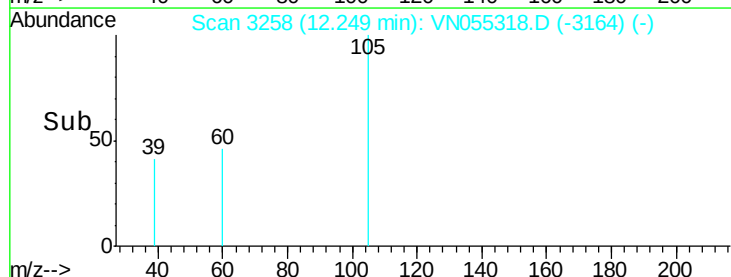
105 100

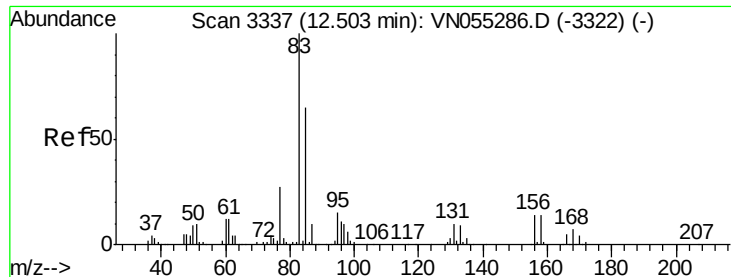
120 0.0 12.9 38.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3339

Delta R.T. 0.01 min

Lab File: VN055318.D

Acq: 1 May 2019 10:30

Instrument :

MSVOA\_N

ClientSampleId :

VN0501WBL01

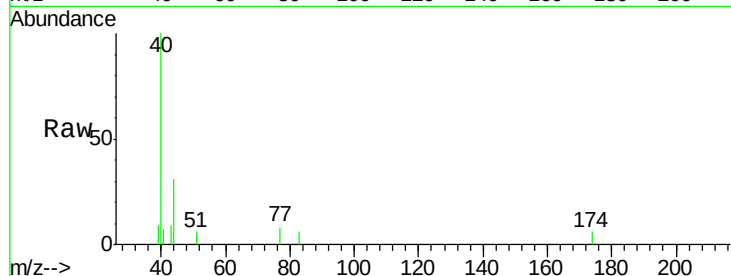
Tot Ion: 83 Resp: 63

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.2#

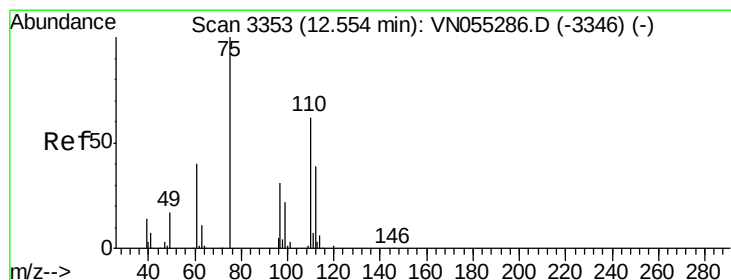
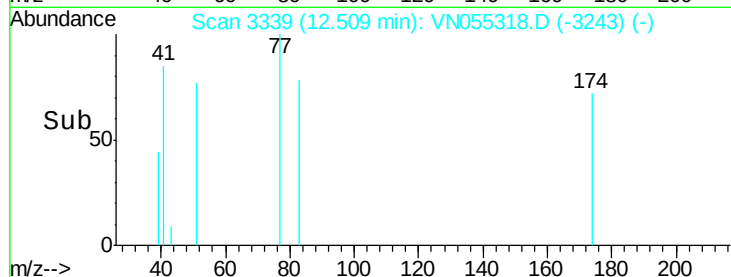
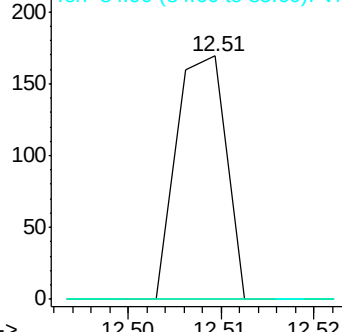
85 0.0 32.3 96.8#



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: 44.857 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055318.D

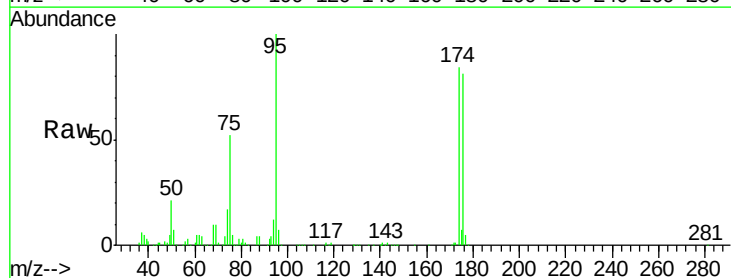
Acq: 1 May 2019 10:30

Tgt Ion: 75 Resp: 109849

Ion Ratio Lower Upper

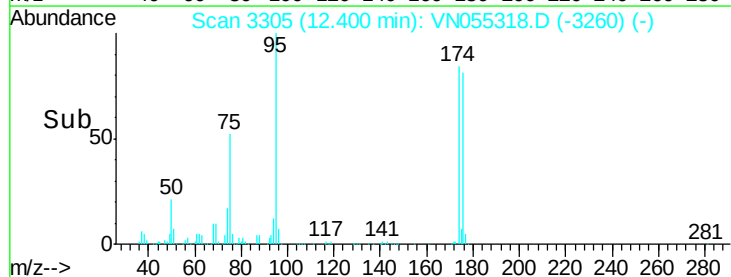
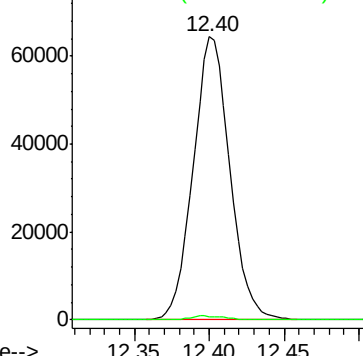
75 100

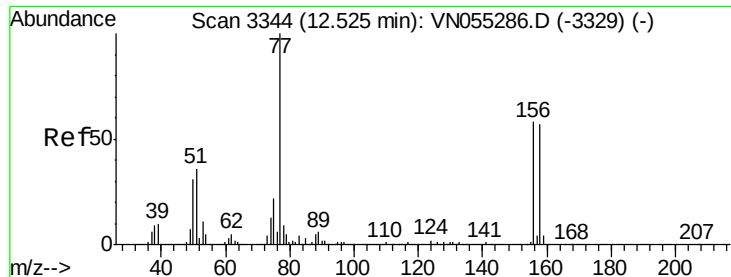
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3346

Delta R.T. 0.01 min

Lab File: VN055318.D

Acq: 1 May 2019 10:30

Instrument :

MSVOA\_N

ClientSampled :

VN0501WBL01

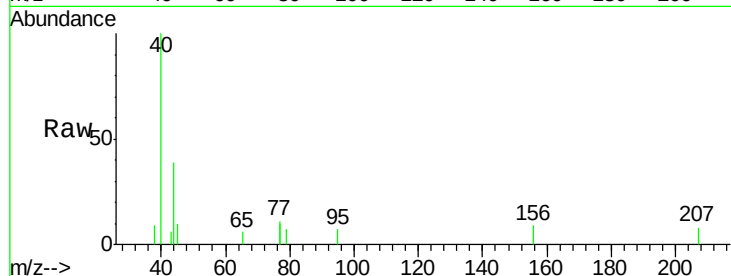
Tot Ion:156 Resp: 147

Ion Ratio Lower Upper

156 100

77 522.4 99.6 298.8#

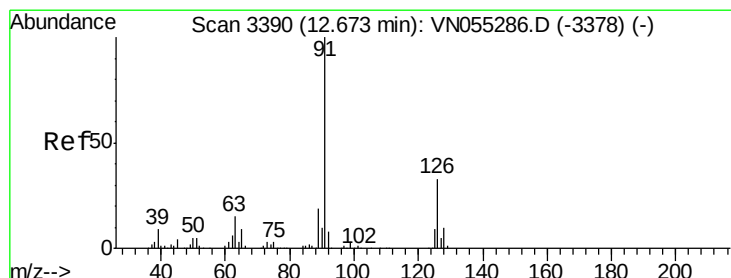
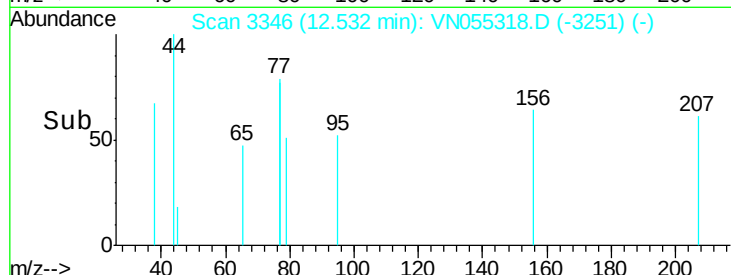
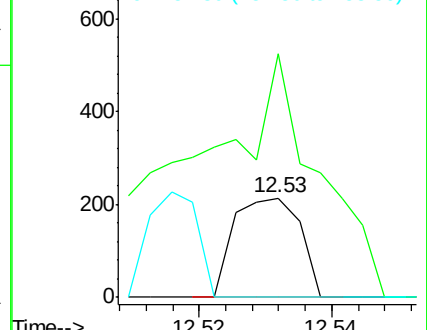
158 80.3 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.77 min Scan# 3421

Delta R.T. 0.10 min

Lab File: VN055318.D

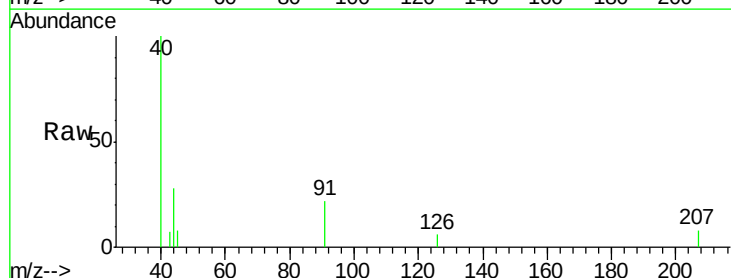
Acq: 1 May 2019 10:30

Tgt Ion: 91 Resp: 884

Ion Ratio Lower Upper

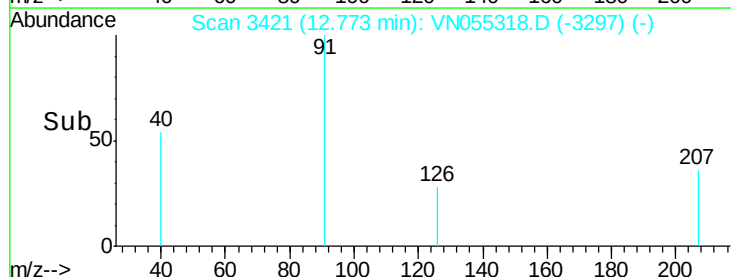
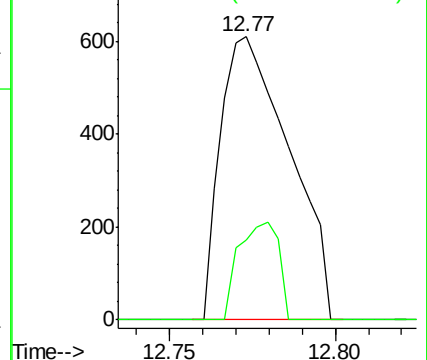
91 100

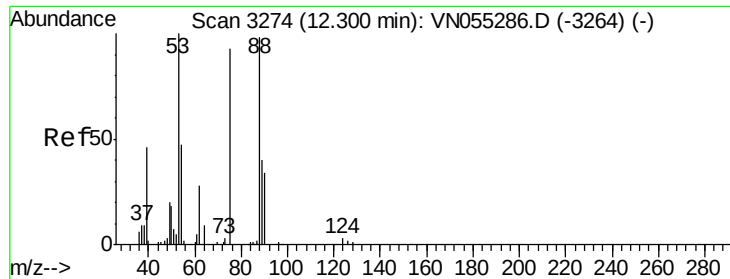
126 19.9 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 158.920 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055318.D

Acq: 1 May 2019 10:30

Instrument :

MSVOA\_N

ClientSampled :

VN0501WBL01

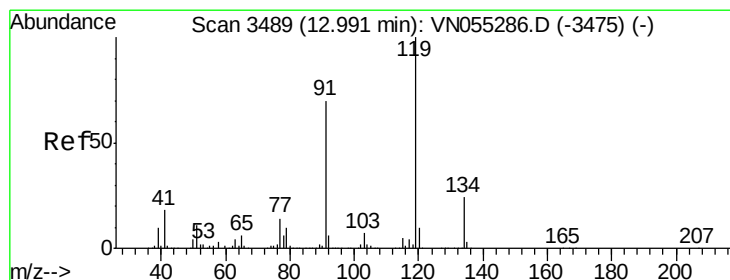
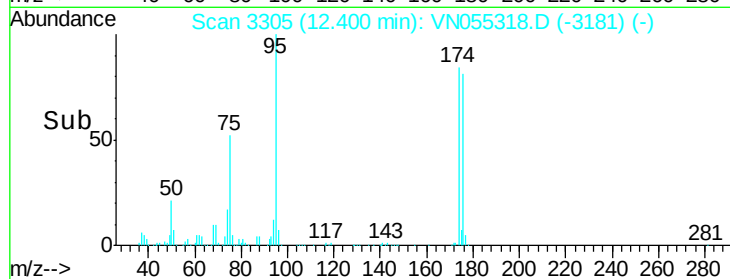
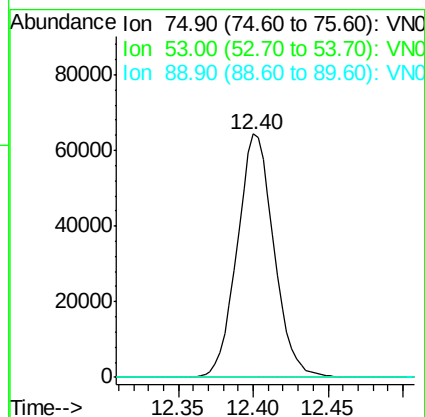
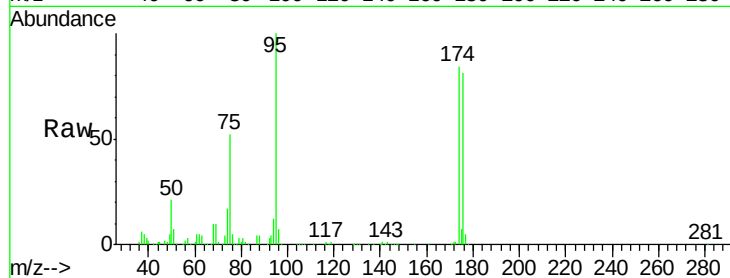
Tot Ion: 75 Resp: 109849

Ion Ratio Lower Upper

75 100

53 0.0 86.3 129.5#

89 0.0 34.6 51.8#



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3487

Delta R.T. -0.01 min

Lab File: VN055318.D

Acq: 1 May 2019 10:30

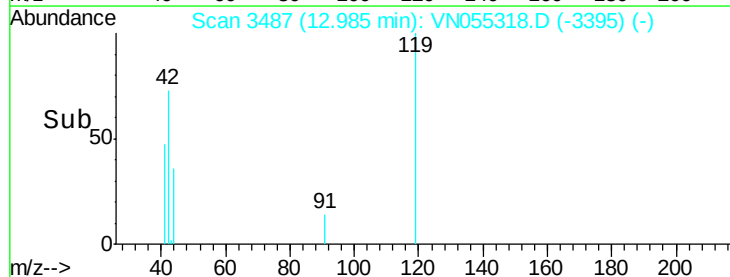
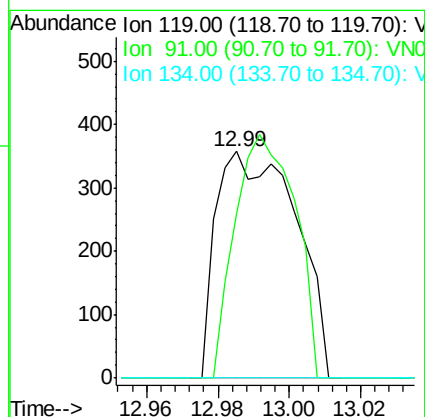
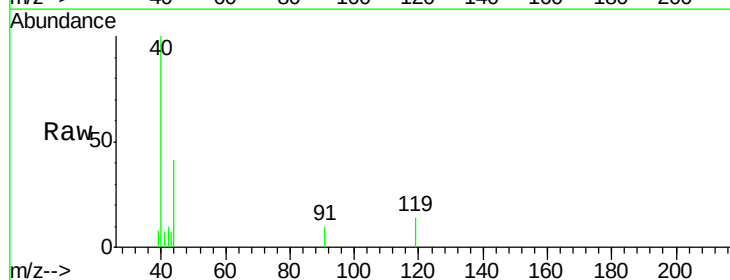
Tgt Ion: 119 Resp: 552

Ion Ratio Lower Upper

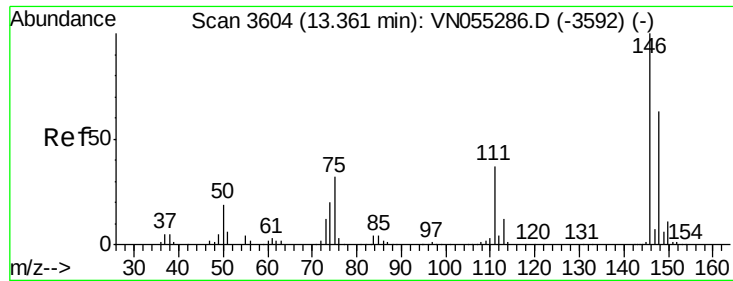
119 100

91 81.0 34.3 102.9

134 0.0 13.1 39.3#



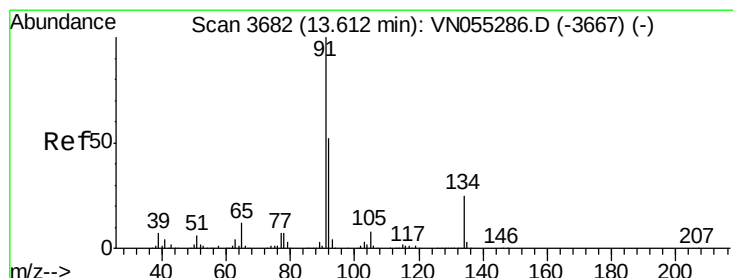
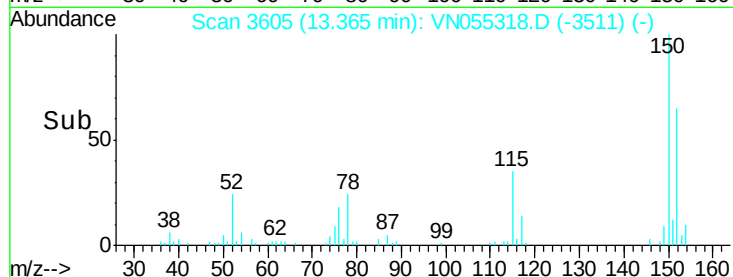
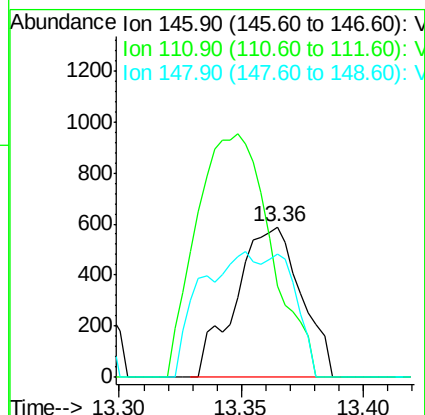
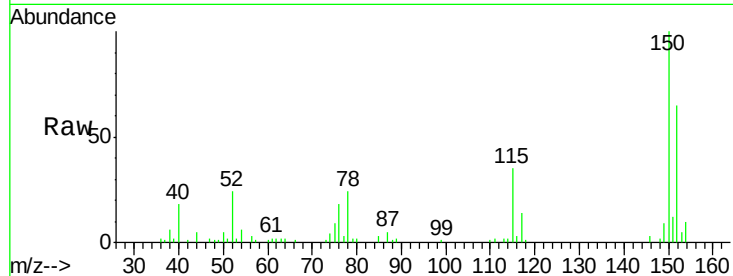




#88  
 1,4-Dichlorobenzene  
 Concen: 0.264 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN055318.D  
 Acq: 1 May 2019 10:30

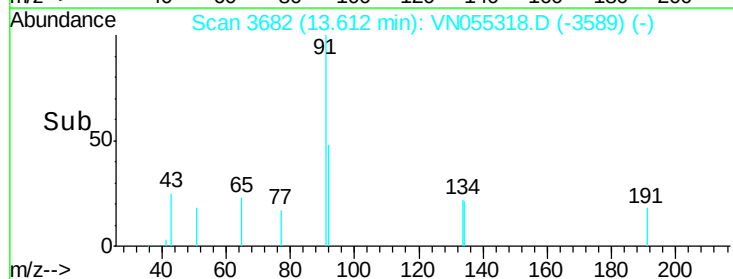
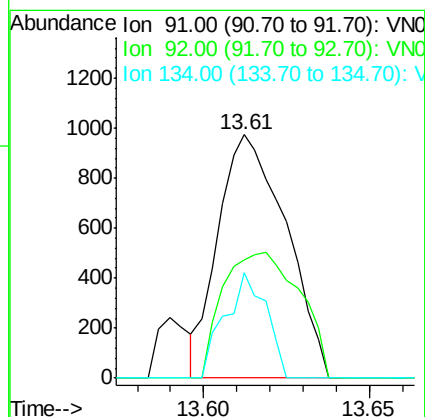
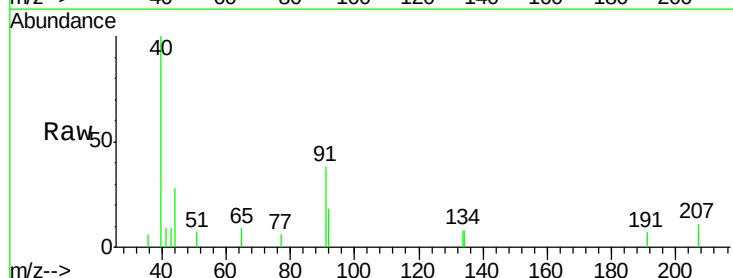
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0501WBL01

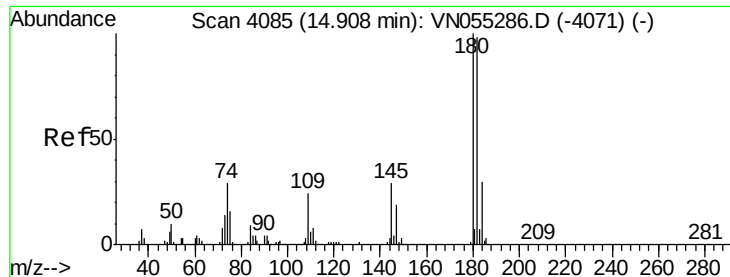
Tot Ion:146 Resp: 1089  
 Ion Ratio Lower Upper  
 146 100  
 111 185.1 19.5 58.5#  
 148 77.0 32.5 97.4



#89  
 n-Butylbenzene  
 Concen: 0.212 ug/l  
 RT: 13.61 min Scan# 3682  
 Delta R.T. 0.00 min  
 Lab File: VN055318.D  
 Acq: 1 May 2019 10:30

Tgt Ion: 91 Resp: 1384  
 Ion Ratio Lower Upper  
 91 100  
 92 58.7 26.1 78.3  
 134 26.4 12.4 37.4

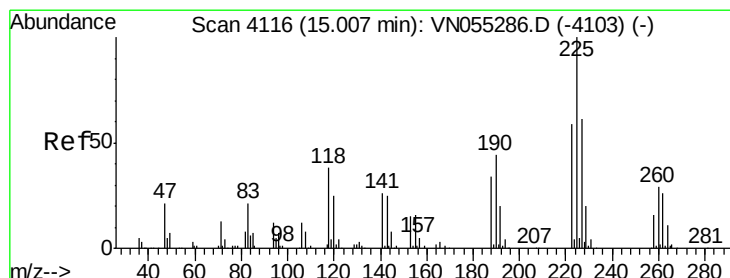
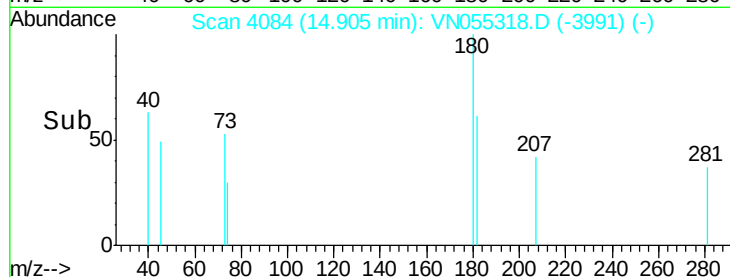
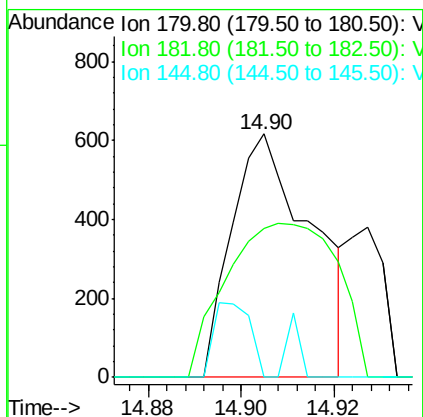
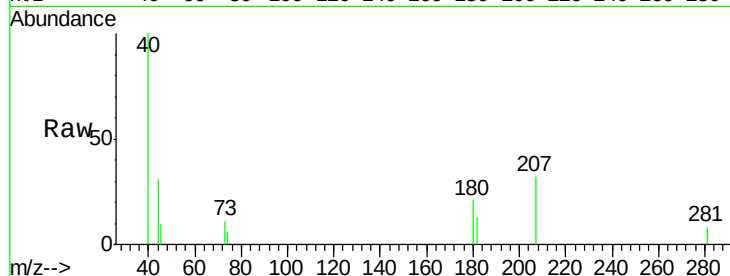




#93  
 1,2,4-Trichlorobenzene  
 Concen: 3.711 ug/l  
 RT: 14.90 min Scan# 4084  
 Delta R.T. -0.00 min  
 Lab File: VN055318.D  
 Acq: 1 May 2019 10:30

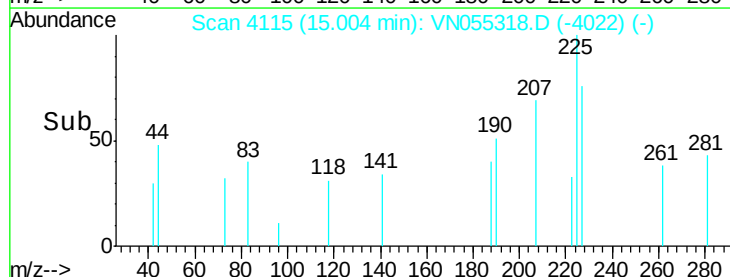
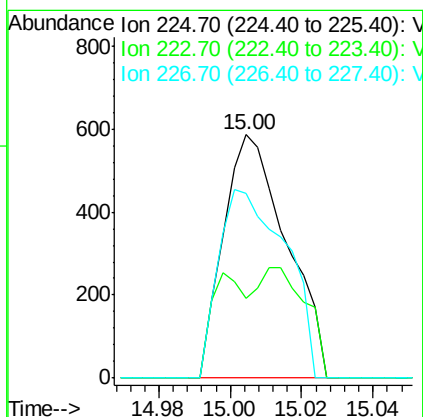
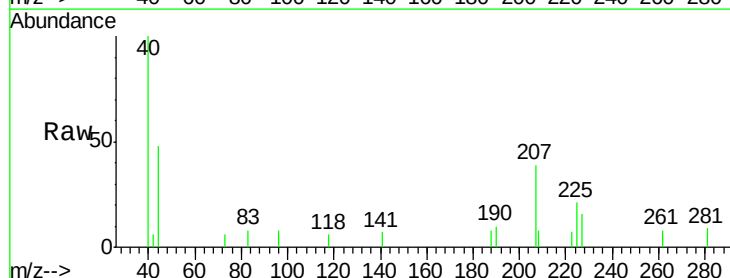
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0501WBL01

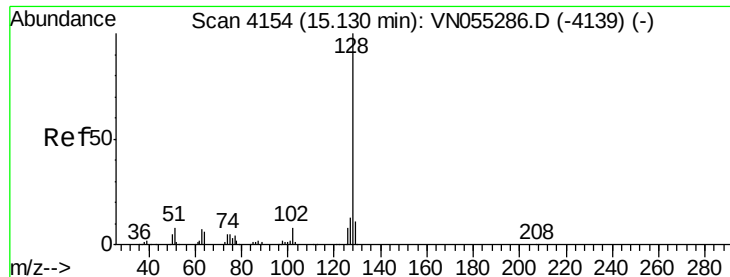
Tot Ion:180 Resp: 735  
 Ion Ratio Lower Upper  
 180 100  
 182 88.3 48.3 144.9  
 145 4.2 14.2 42.6#



#94  
 Hexachlorobutadiene  
 Concen: Below Cal  
 RT: 15.00 min Scan# 4115  
 Delta R.T. -0.00 min  
 Lab File: VN055318.D  
 Acq: 1 May 2019 10:30

Tgt Ion:225 Resp: 714  
 Ion Ratio Lower Upper  
 225 100  
 223 23.2 30.3 90.8#  
 227 82.8 30.9 92.7





#95

Naphthalene

Concen: 3.798 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN055318.D

Acq: 1 May 2019 10:30

Instrument :

MSVOA\_N

ClientSampled :

VN0501WBL01

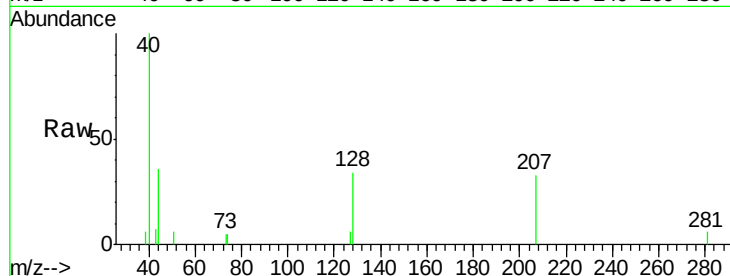
Tot Ion:128 Resp: 1831

Ion Ratio Lower Upper

128 100

127 11.9 10.7 16.1

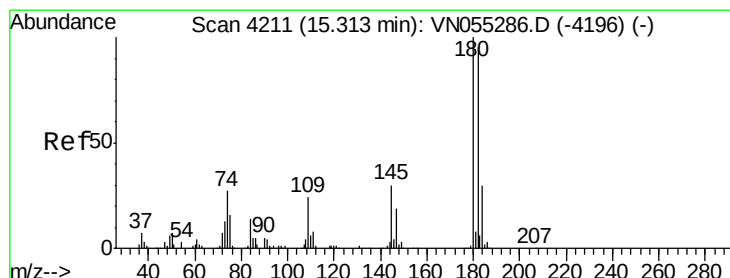
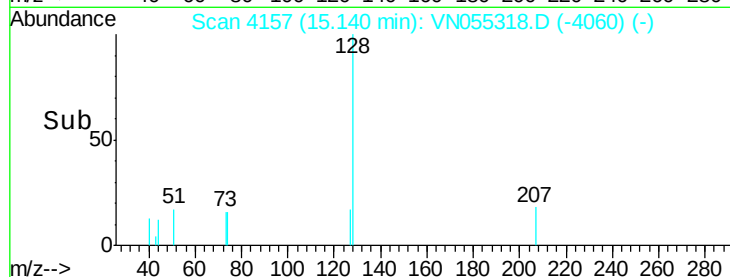
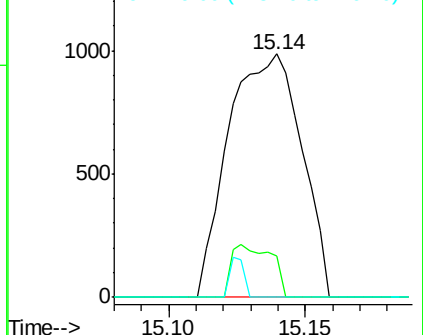
129 3.3 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.275 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. -0.01 min

Lab File: VN055318.D

Acq: 1 May 2019 10:30

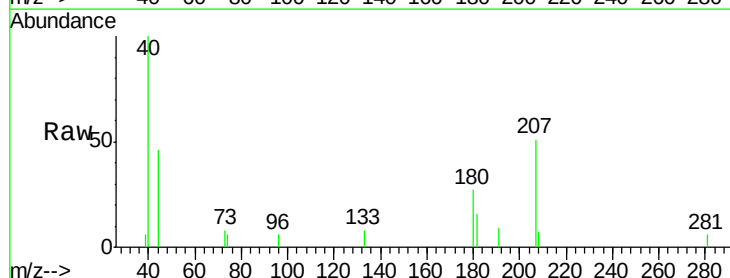
Tgt Ion:180 Resp: 1178

Ion Ratio Lower Upper

180 100

182 0.0 48.3 144.9#

145 6.2 15.2 45.6#



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

