

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021319\
 Data File : VN053753.D
 Acq On : 13 Feb 2019 14:21
 Operator : JC/SP
 Sample : K1343-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JC-02-021119-D

Quant Time: Feb 14 00:10:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	708597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1166251	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1082472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	434942	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	377684	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
35) Dibromofluoromethane	7.59	113	371754	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	10.09	98	1418945	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
62) 4-Bromofluorobenzene	12.40	95	462550	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	

Target Compounds

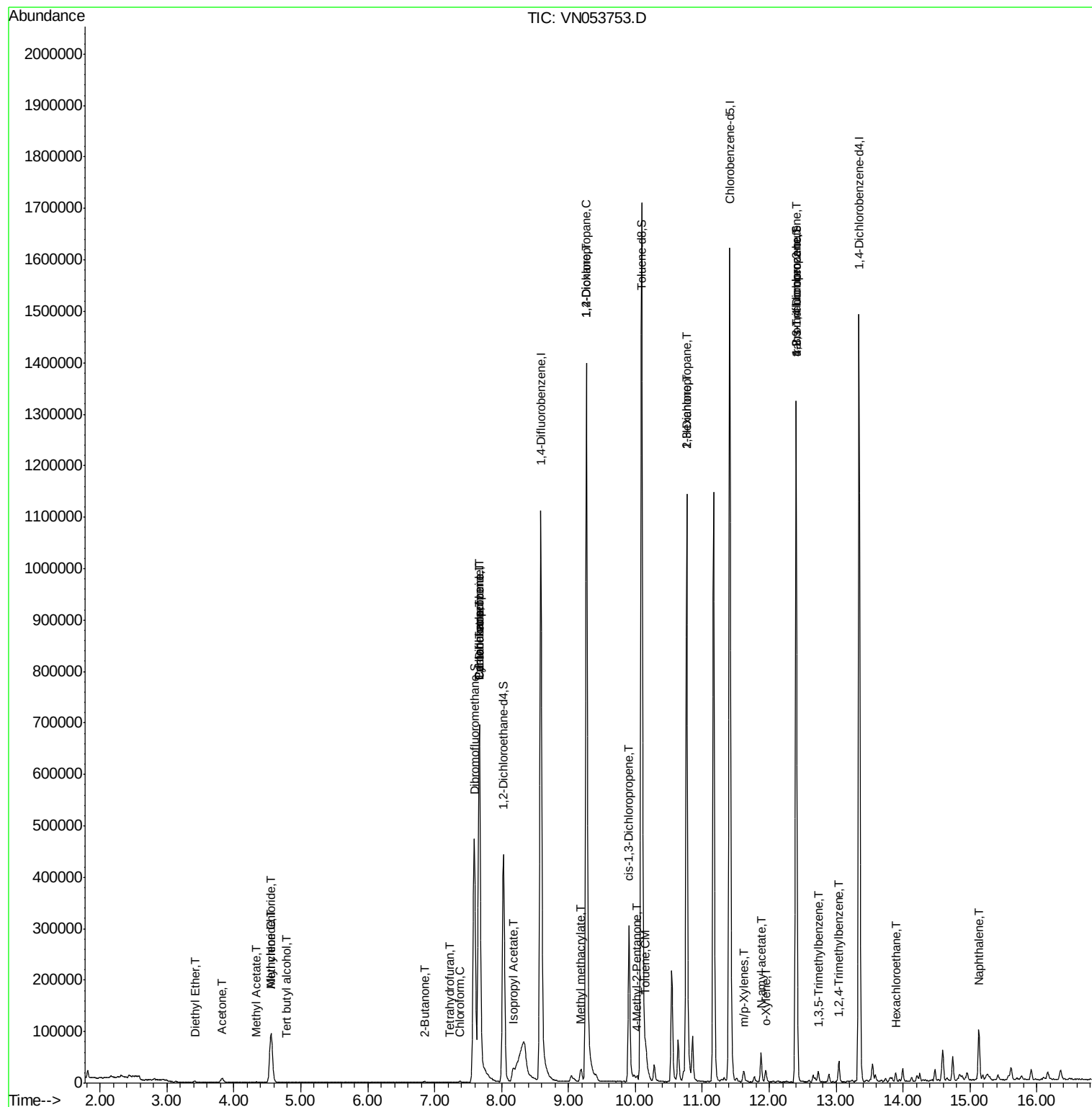
					Qvalue	
8) Diethyl Ether	3.42	74	1071	0.265	ug/l	83
11) Tert butyl alcohol	4.78	59	145	0.345	ug/l #	72
14) Allyl chloride	4.55	41	2832	0.271	ug/l #	27
16) Acetone	3.82	43	15863	8.700	ug/l	96
18) Methyl Acetate	4.33	43	2964	0.549	ug/l #	67
20) Methylene Chloride	4.56	84	75959	9.930	ug/l	99
25) 2-Butanone	6.84	43	2962	1.139	ug/l #	82
29) Tetrahydrofuran	7.22	42	1204	0.721	ug/l #	54
30) Chloroform	7.37	83	2644	0.207	ug/l	86
31) Cyclohexane	7.66	56	11134	0.759	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	42776	4.069	ug/l #	48
38) Carbon Tetrachloride	7.67	117	55641	5.254	ug/l #	16
43) Isopropyl Acetate	8.17	43	29415	2.594	ug/l #	83
45) 1,2-Dichloropropane	9.27	63	1928	0.233	ug/l #	43
48) Methyl methacrylate	9.18	41	9666	1.786	ug/l #	12
49) 1,4-Dioxane	9.27	88	92	40.225	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	7461	1.339	ug/l #	34
52) Toluene	10.16	92	11749	0.611	ug/l	96
54) cis-1,3-Dichloropropene	9.90	75	65452	5.307	ug/l #	63
57) 1,3-Dichloropropane	10.76	76	13711	1.157	ug/l #	43
59) 2-Hexanone	10.77	43	166785	44.091	ug/l #	50
68) m/p-Xylenes	11.62	106	7624	0.529	ug/l	98
69) o-Xylene	11.95	106	5555	0.399	ug/l	83
74) N-amyl acetate	11.88	43	16854	2.292	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	212830	38.097	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	9708	0.383	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	212830	107.125	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	23861	0.924	ug/l	98
90) Hexachloroethane	13.89	117	1114	0.253	ug/l #	3
95) Naphthalene	15.13	128	90158	6.291	ug/l	99

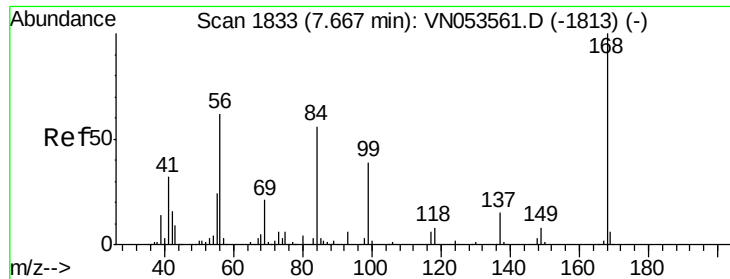
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053753.D

Acq: 13 Feb 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

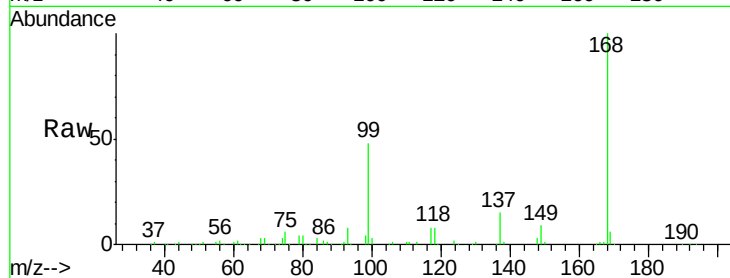
JC-02-021119-D

Tot Ion:168 Resp: 708597

Ion Ratio Lower Upper

168 100

99 47.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053753.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053753.D (-1740) (-)

7.67

250000

200000

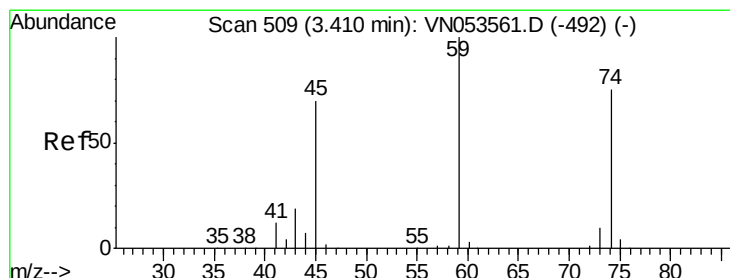
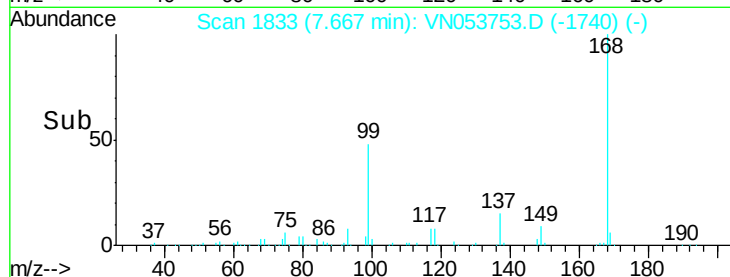
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#8

Diethyl Ether

Concen: 0.265 ug/l

RT: 3.42 min Scan# 512

Delta R.T. 0.01 min

Lab File: VN053753.D

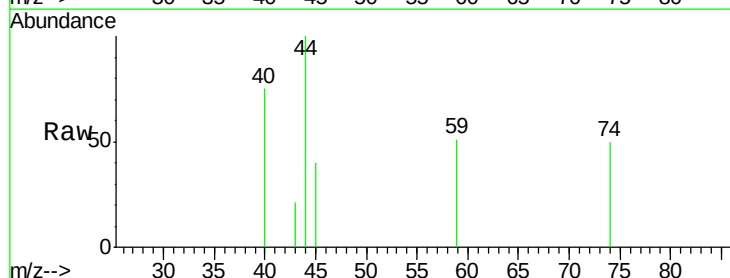
Acq: 13 Feb 2019 14:21

Tgt Ion: 74 Resp: 1071

Ion Ratio Lower Upper

74 100

45 79.4 47.9 143.7



Abundance Ion 74.00 (73.70 to 74.70): VN053753.D (-416) (-)

Ion 45.00 (44.70 to 45.70): VN053753.D (-416) (-)

3.42

600

500

400

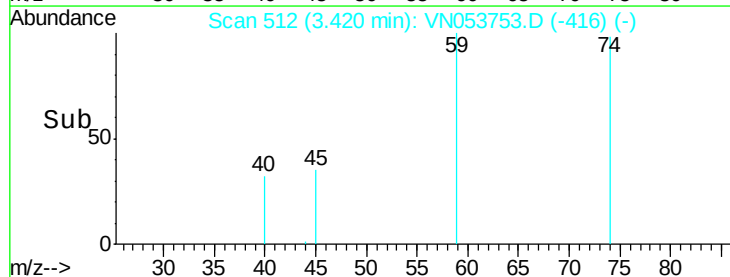
300

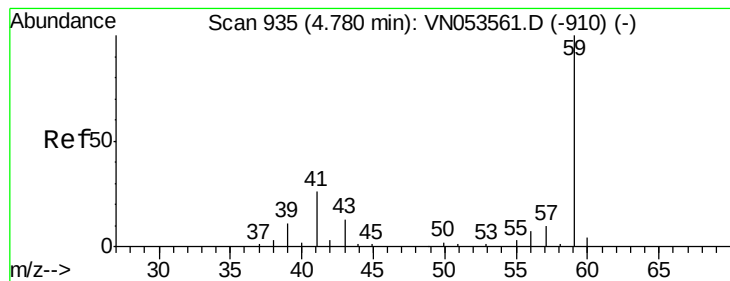
200

100

0

Time--> 3.40 3.45





#11

Tert butyl alcohol

Concen: 0.345 ug/l

RT: 4.78 min Scan# 936

Delta R.T. 0.00 min

Lab File: VN053753.D

Acq: 13 Feb 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

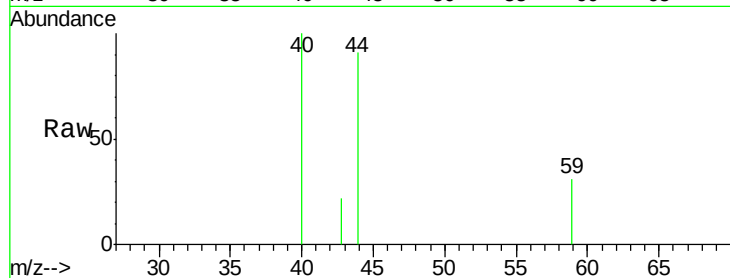
JC-02-021119-D

Tot Ion: 59 Resp: 145

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.78

250

200

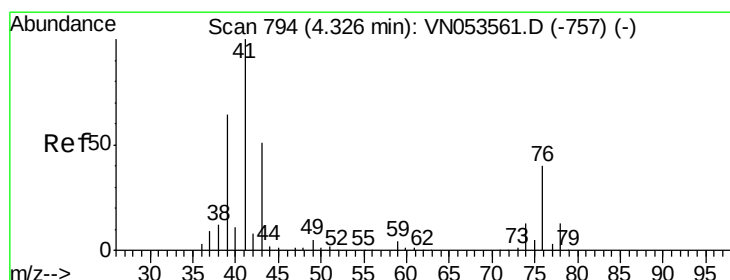
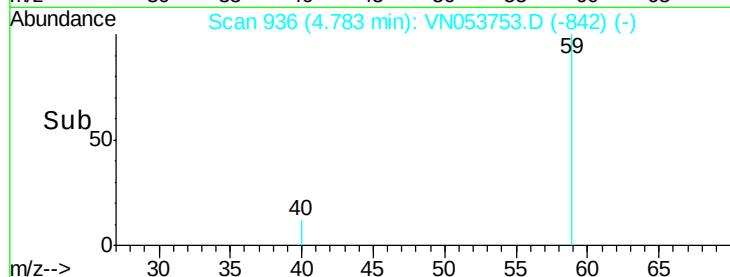
150

100

50

0

Time-->



#14

Allyl chloride

Concen: 0.271 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.23 min

Lab File: VN053753.D

Acq: 13 Feb 2019 14:21

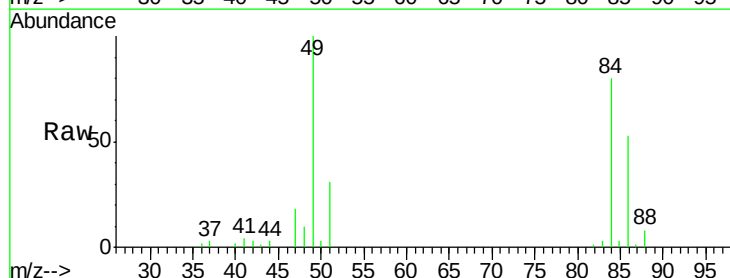
Tgt Ion: 41 Resp: 2832

Ion Ratio Lower Upper

41 100

39 0.0 48.9 73.3#

76 0.0 29.4 44.2#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

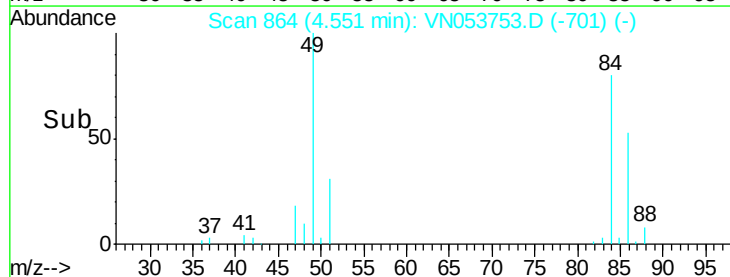
4.55

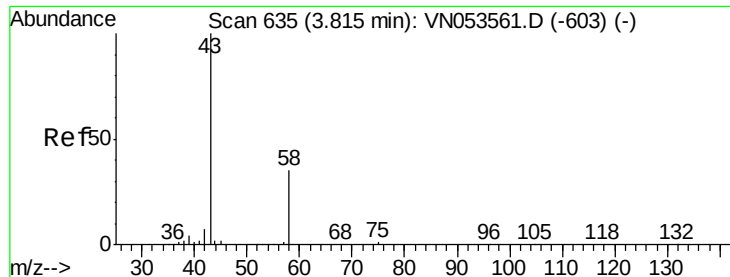
1000

500

0

Time-->





#16

Acetone

Concen: 8.700 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053753.D

Acq: 13 Feb 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

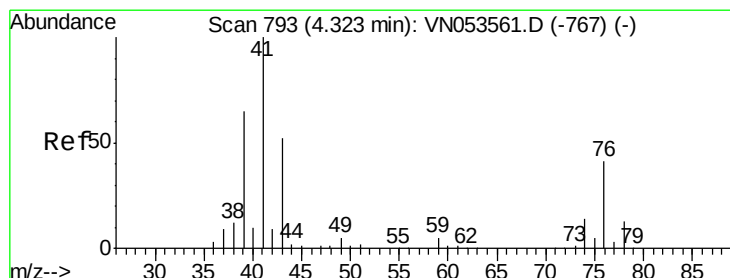
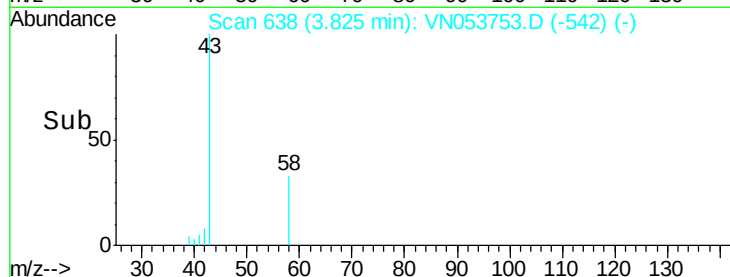
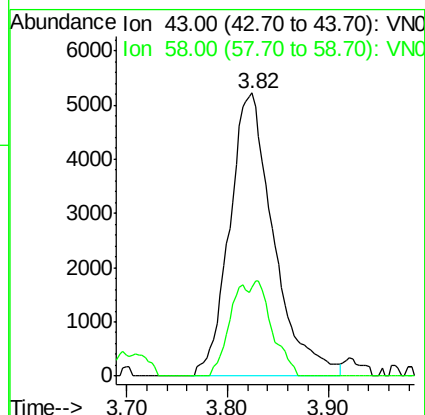
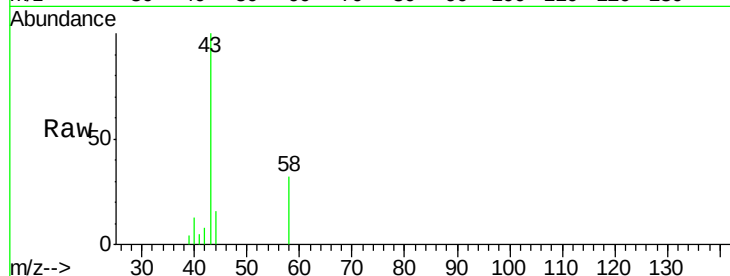
JC-02-021119-D

Tot Ion: 43 Resp: 15863

Ion Ratio Lower Upper

43 100

58 31.5 27.1 40.7



#18

Methyl Acetate

Concen: 0.549 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053753.D

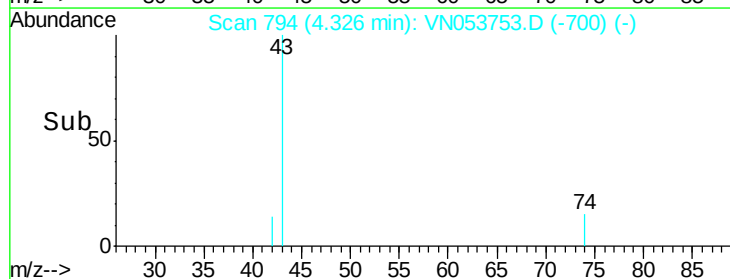
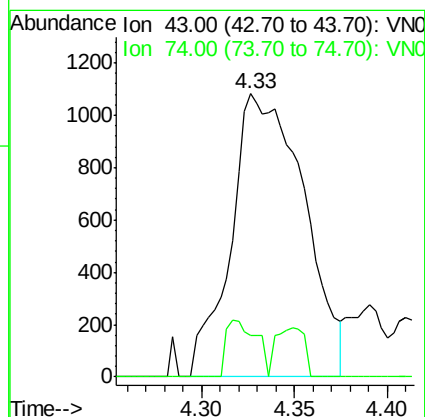
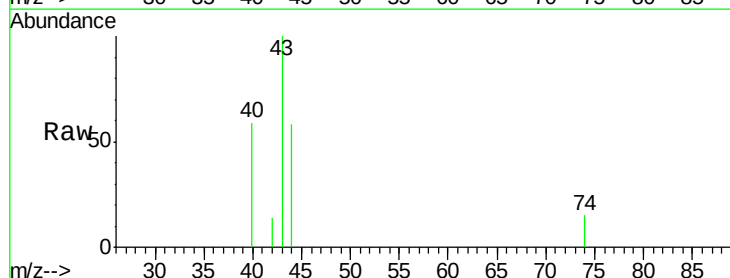
Acq: 13 Feb 2019 14:21

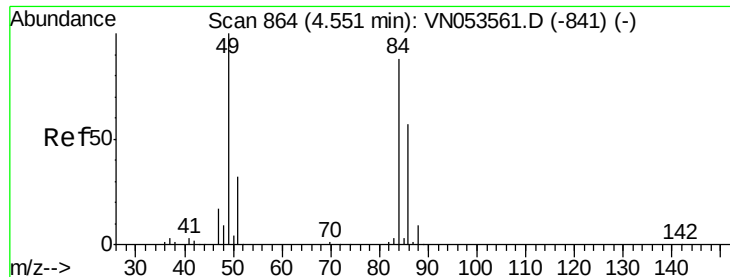
Tgt Ion: 43 Resp: 2964

Ion Ratio Lower Upper

43 100

74 8.2 19.4 29.2#

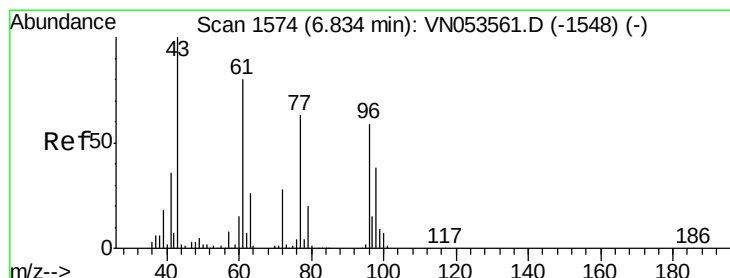
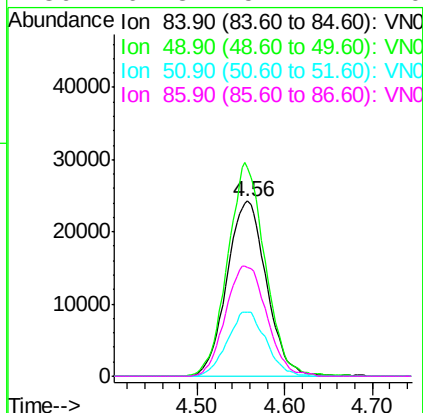
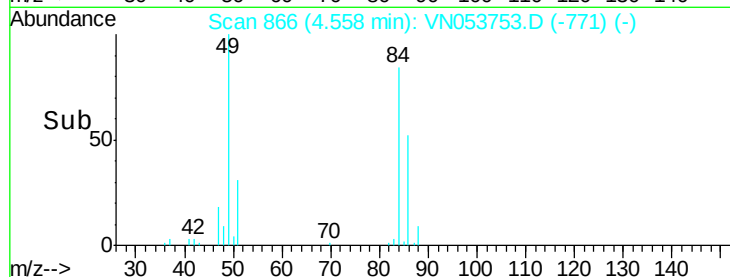
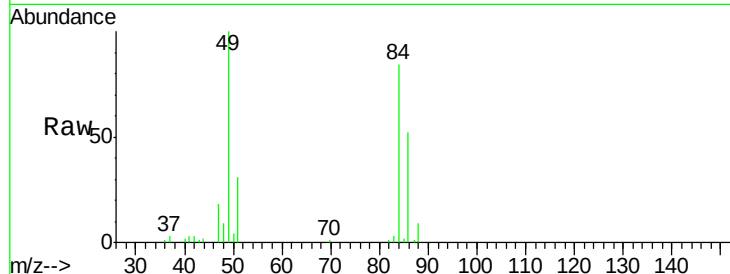




#20
Methvlene Chloride
Concen: 9.930 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN053753.D
Acq: 13 Feb 2019 14:21

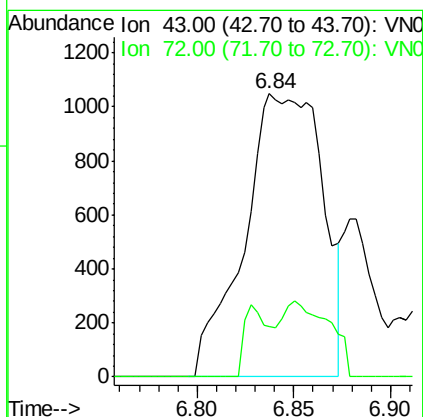
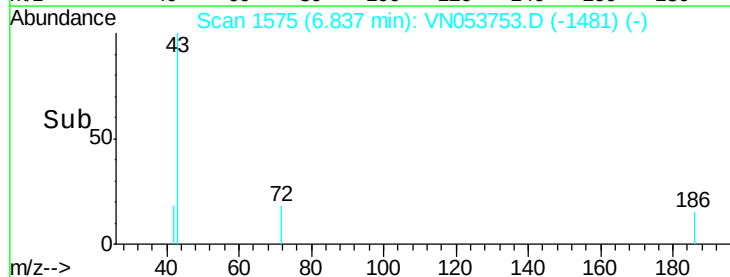
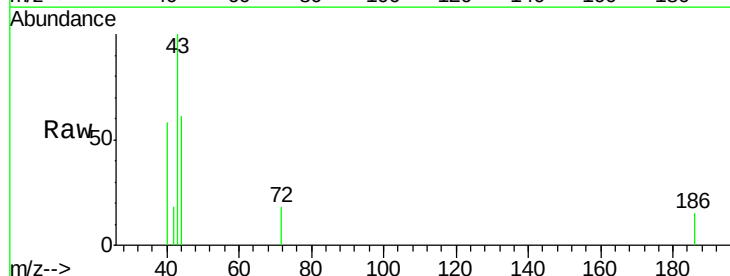
Instrument :
MSVOA_N
ClientSampleId :
JC-02-021119-D

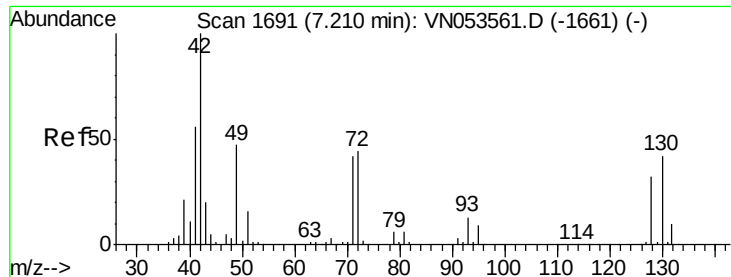
Tot Ion:	84	Resp:	75959
Ion	Ratio	Lower	Upper
84	100		
49	118.3	94.3	141.5
51	36.7	29.4	44.2
86	62.3	51.4	77.0



#25
2-Butanone
Concen: 1.139 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN053753.D
Acq: 13 Feb 2019 14:21

Tgt Ion:	43	Resp:	2962
Ion	Ratio	Lower	Upper
43	100		
72	17.8	22.0	33.0#





#29

Tetrahydrofuran

Concen: 0.721 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VN053753.D

Acq: 13 Feb 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

JC-02-021119-D

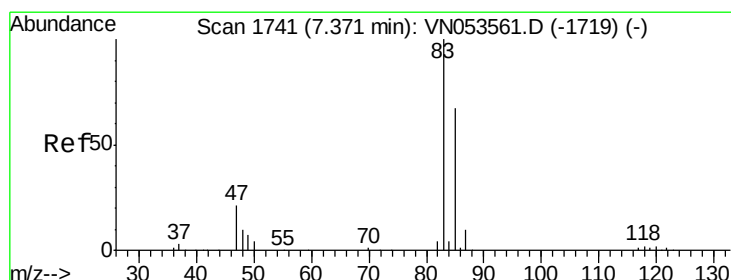
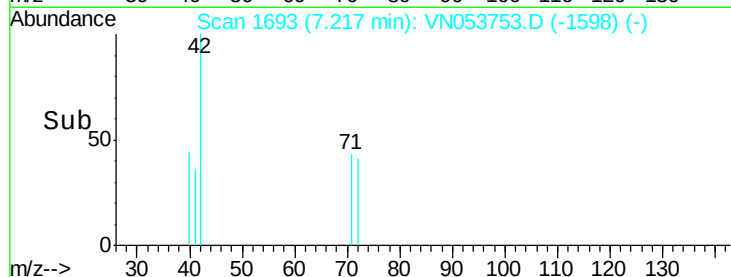
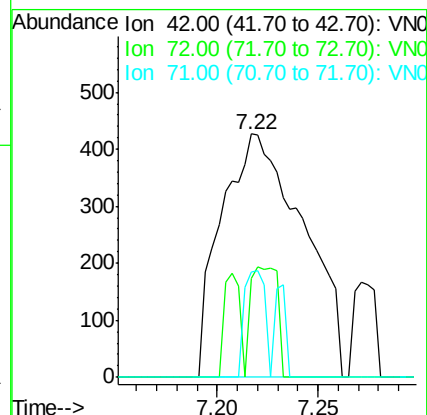
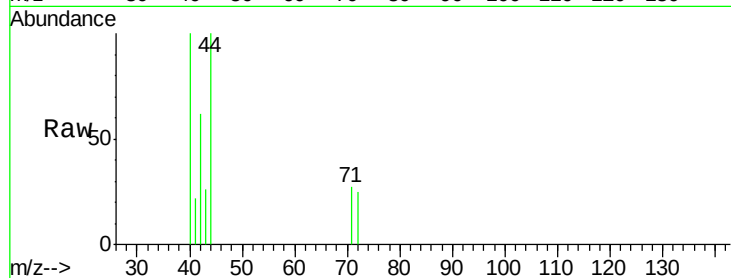
Tot Ion: 42 Resp: 1204

Ion Ratio Lower Upper

42 100

72 15.0 35.2 52.8#

71 11.0 33.0 49.4#



#30

Chloroform

Concen: 0.207 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN053753.D

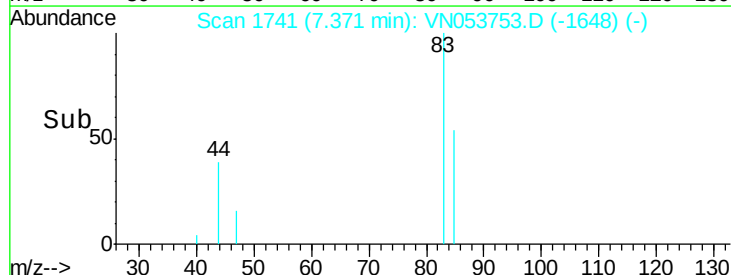
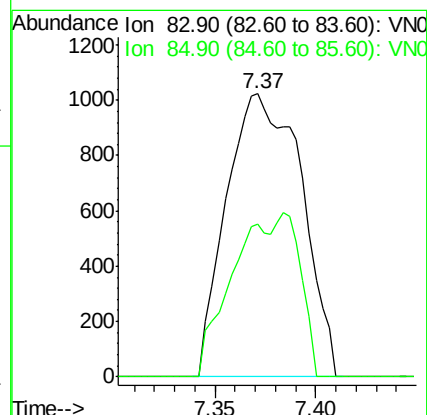
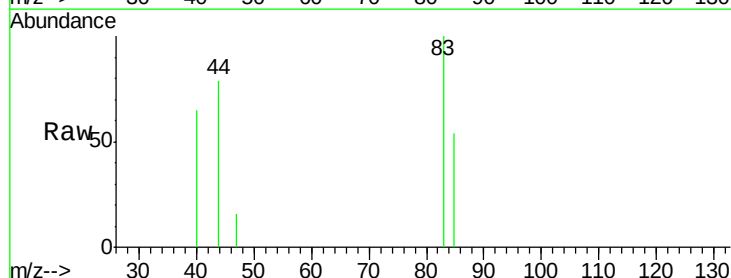
Acq: 13 Feb 2019 14:21

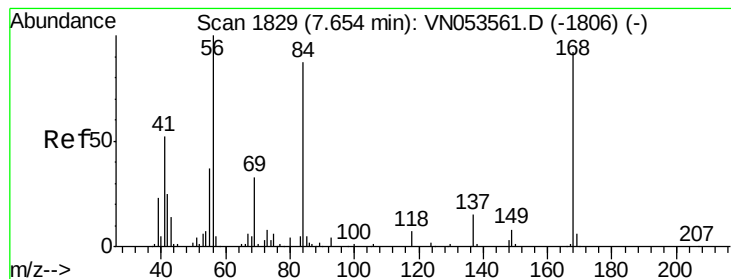
Tgt Ion: 83 Resp: 2644

Ion Ratio Lower Upper

83 100

85 54.0 52.2 78.2





#31

Cyclohexane

Concen: 0.759 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN053753.D

Acq: 13 Feb 2019 14:21

Instrument :

MSVOA_N

ClientSampleID :

JC-02-021119-D

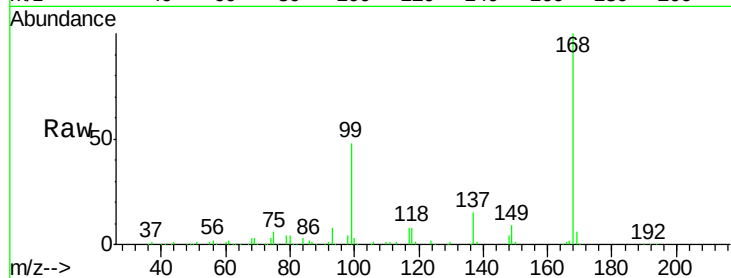
Tot Ion: 56 Resp: 11134

Ion Ratio Lower Upper

56 100

69 175.1 26.4 39.6#

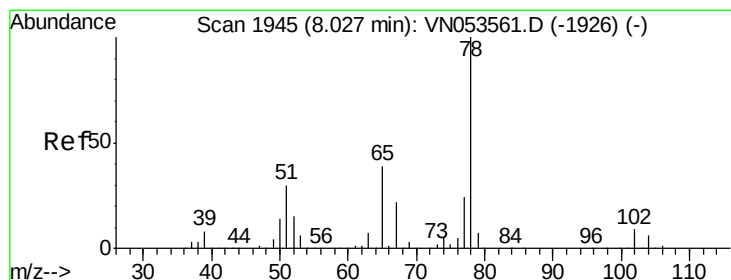
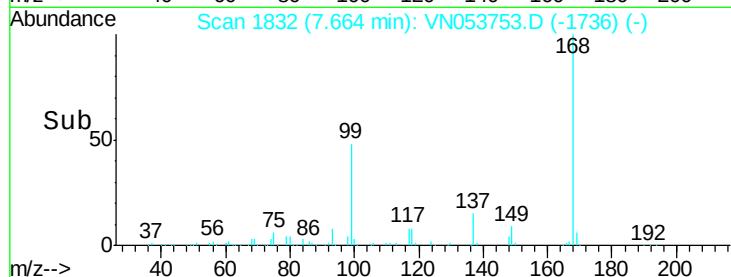
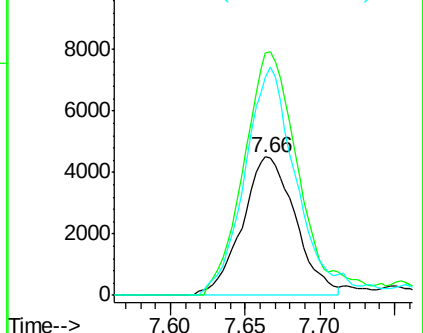
84 157.6 67.9 101.9#



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: 53.131 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053753.D

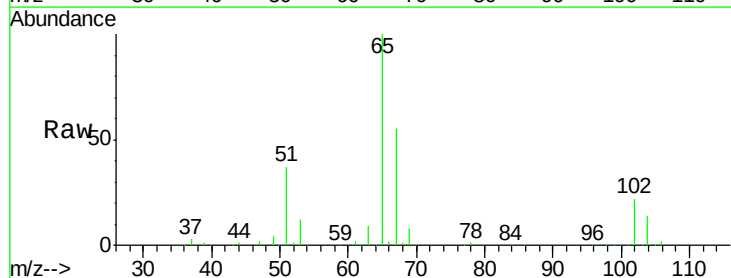
Acq: 13 Feb 2019 14:21

Tgt Ion: 65 Resp: 377684

Ion Ratio Lower Upper

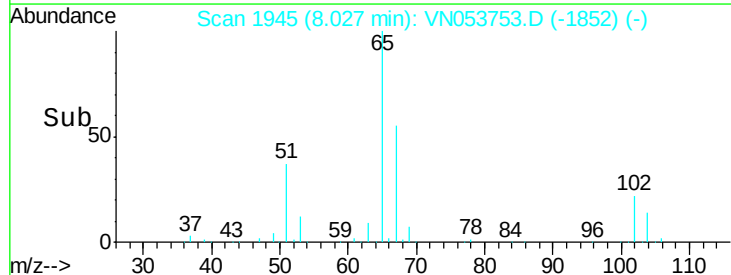
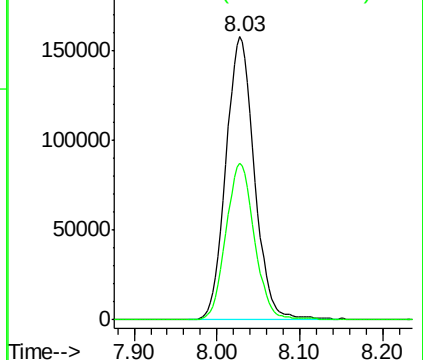
65 100

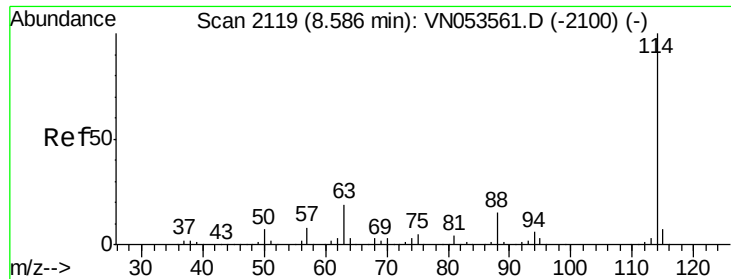
67 55.4 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

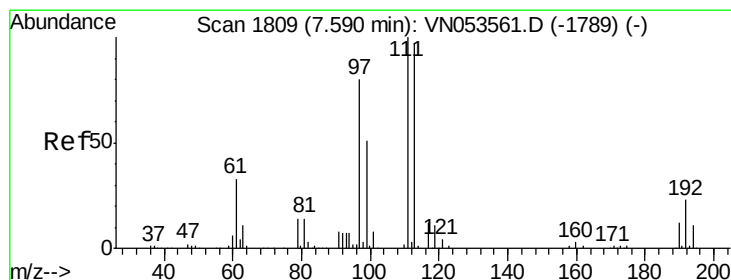
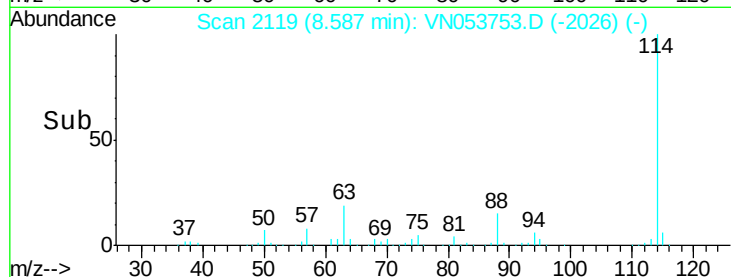
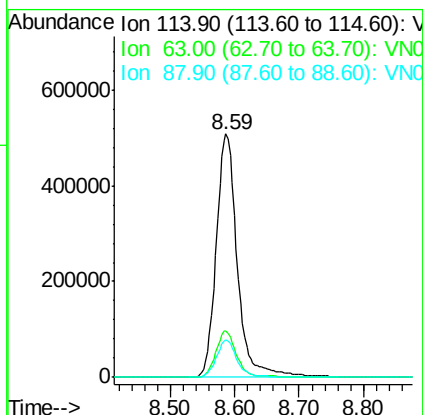
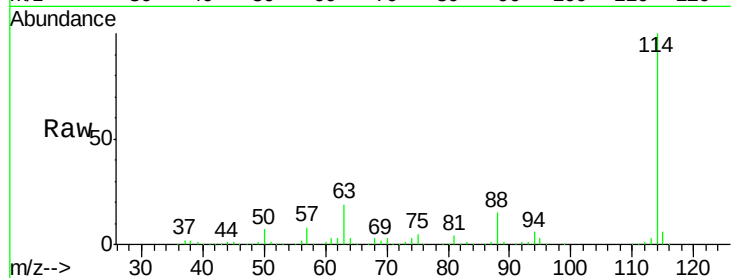




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053753.D
 Acq: 13 Feb 2019 14:21

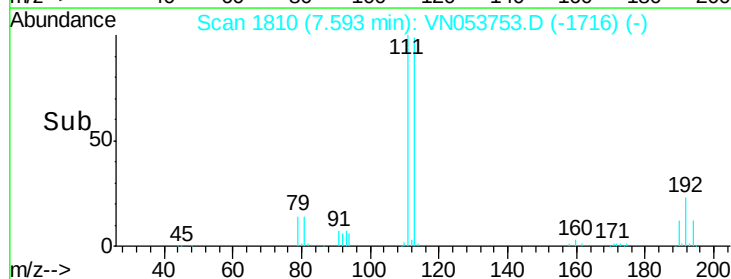
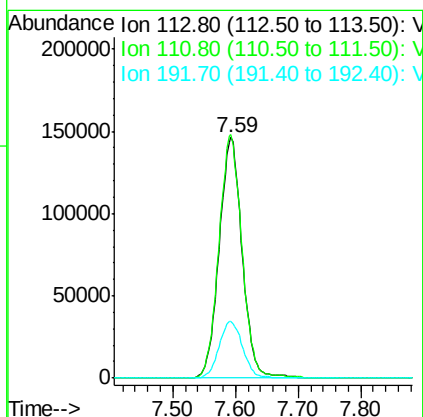
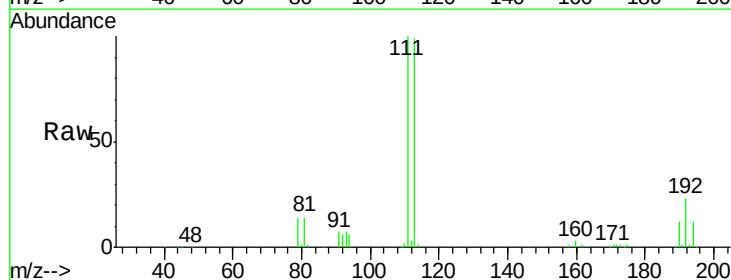
Instrument :
 MSVOA_N
 ClientSampleId :
 JC-02-021119-D

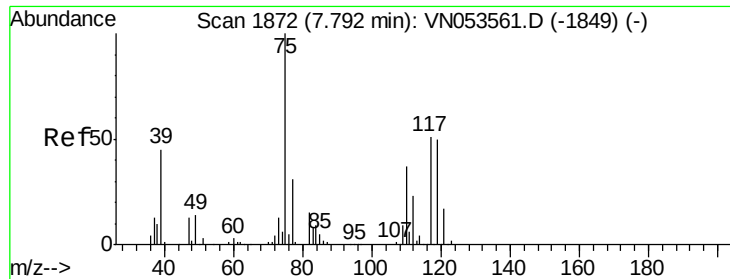
Tot Ion:114 Resp: 1166251
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.6
 88 15.2 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 50.447 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053753.D
 Acq: 13 Feb 2019 14:21

Tgt Ion:113 Resp: 371754
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.1 121.7
 192 24.0 18.2 27.2





#36

1,1-Dichloropropene

Concen: 4.069 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053753.D

Acq: 13 Feb 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

JC-02-021119-D

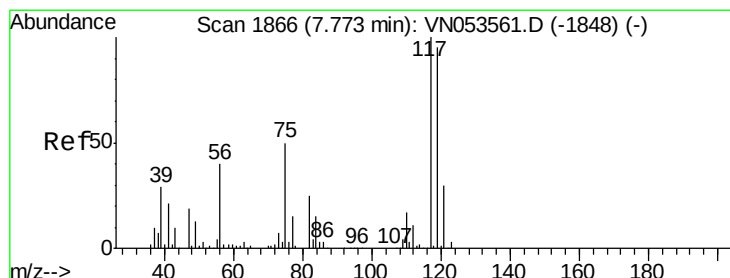
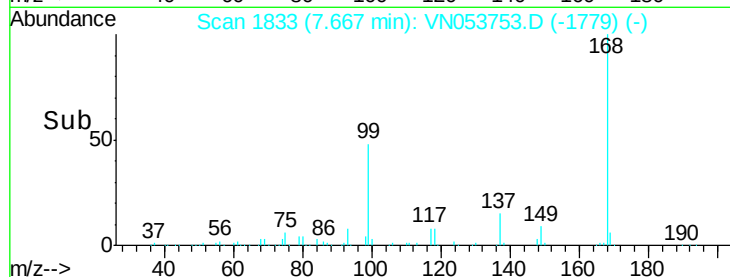
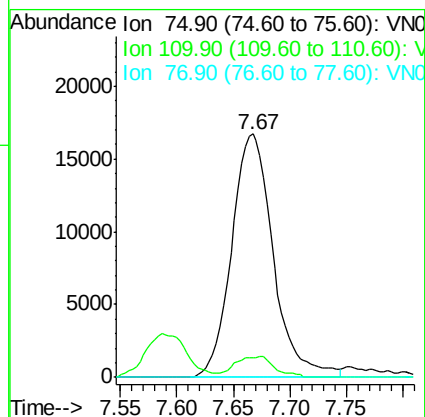
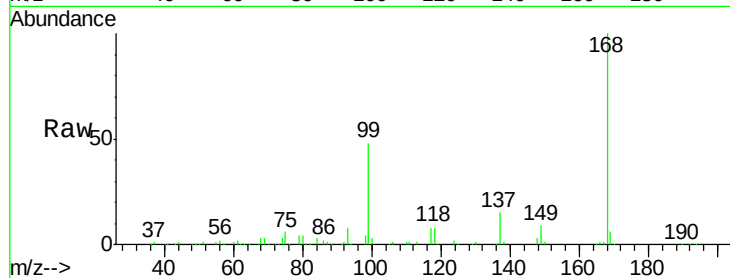
Tot Ion: 75 Resp: 42776

Ion Ratio Lower Upper

75 100

110 8.2 18.1 54.3#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.254 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053753.D

Acq: 13 Feb 2019 14:21

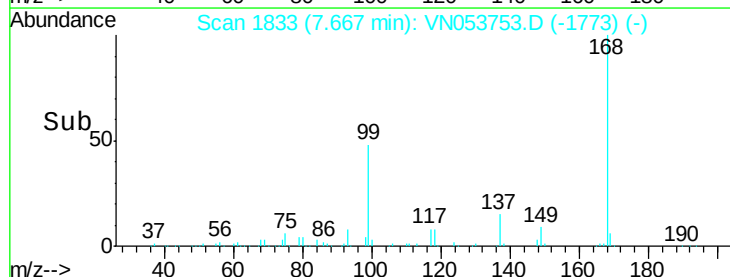
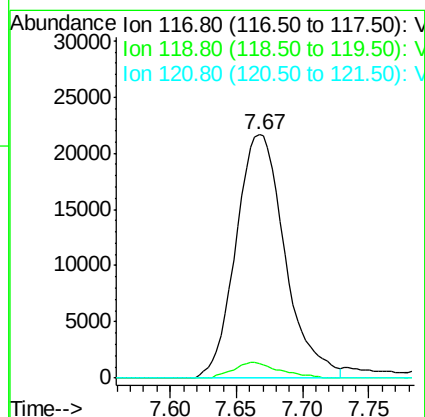
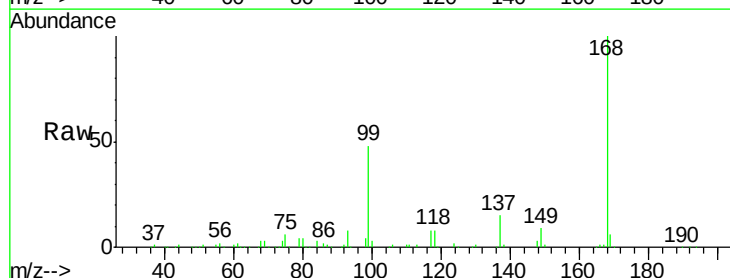
Tgt Ion: 117 Resp: 55641

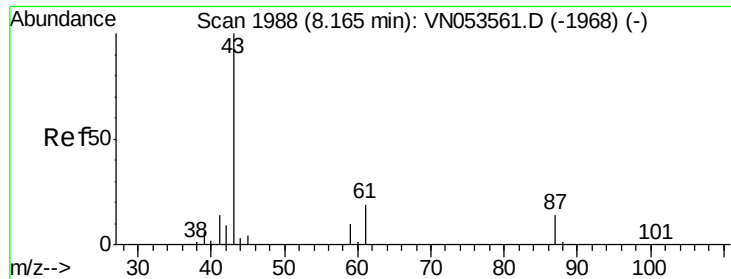
Ion Ratio Lower Upper

117 100

119 6.1 77.2 115.8#

121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 2.594 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN053753.D

Acq: 13 Feb 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

JC-02-021119-D

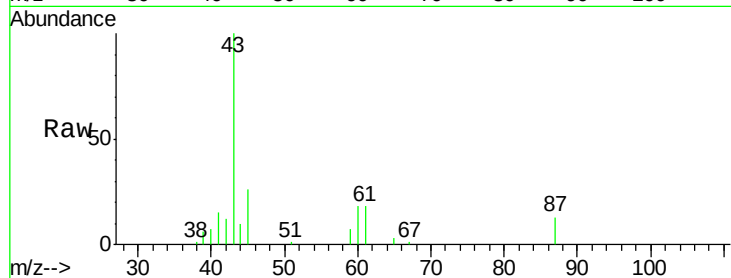
Tot Ion: 43 Resp: 29415

Ion Ratio Lower Upper

43 100

61 18.2 23.9 35.9#

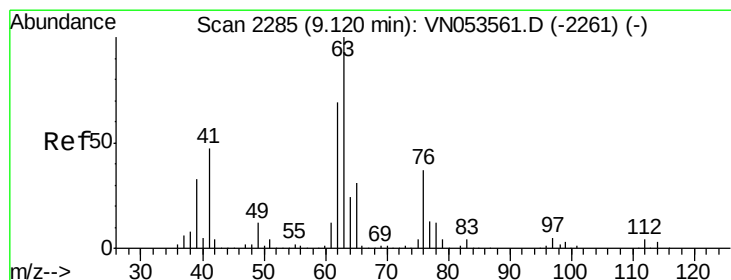
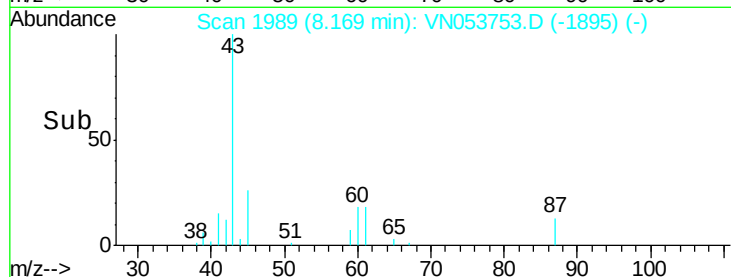
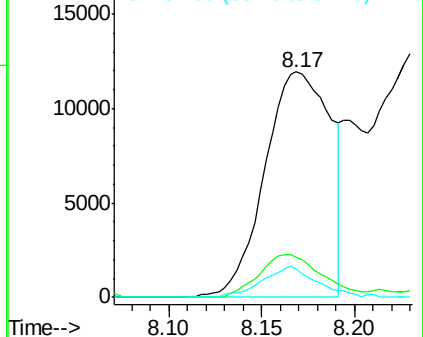
87 11.2 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.233 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN053753.D

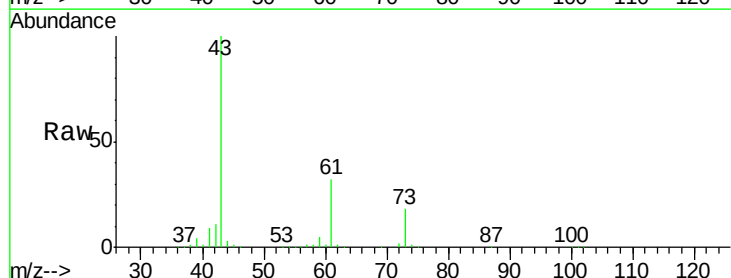
Acq: 13 Feb 2019 14:21

Tgt Ion: 63 Resp: 1928

Ion Ratio Lower Upper

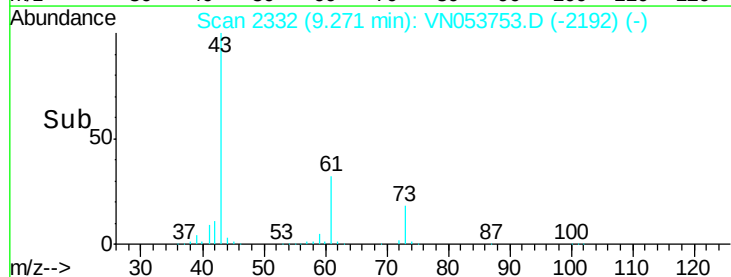
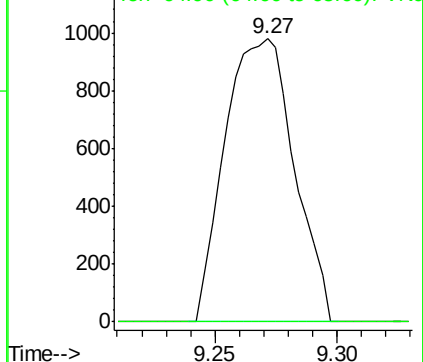
63 100

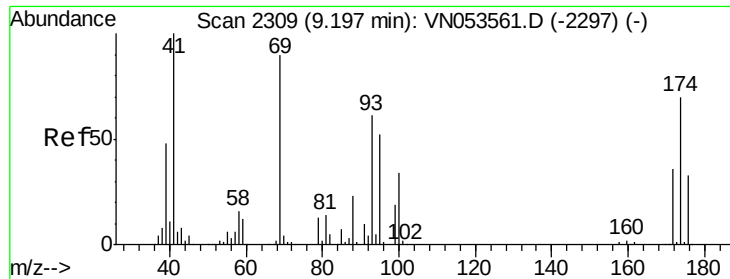
65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

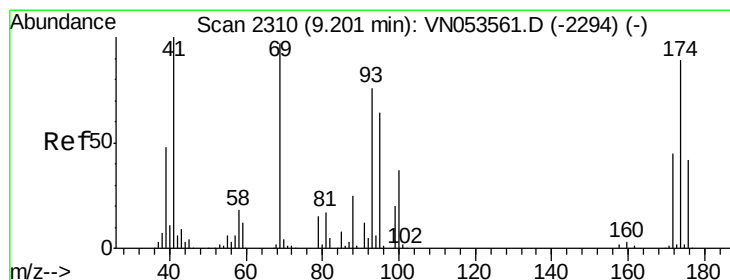
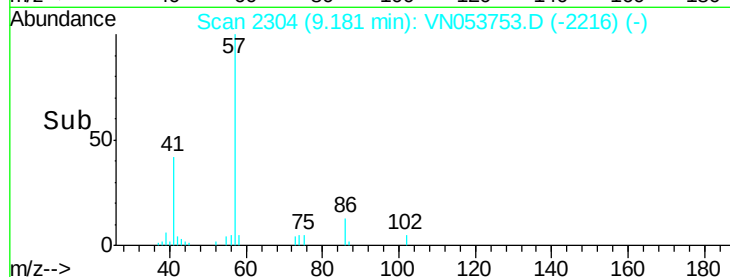
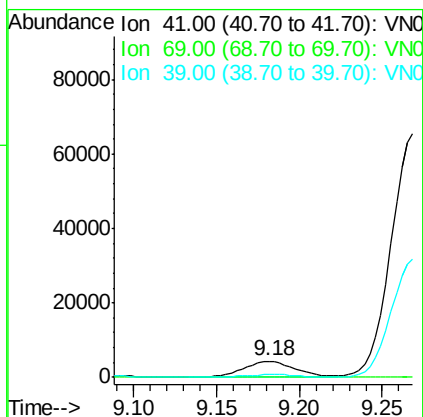
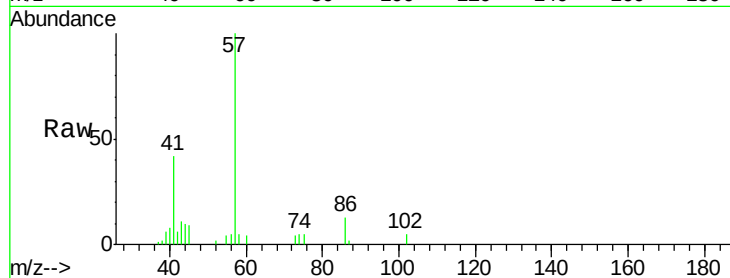




#48
Methvl methacrylate
Concen: 1.786 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN053753.D
Acq: 13 Feb 2019 14:21

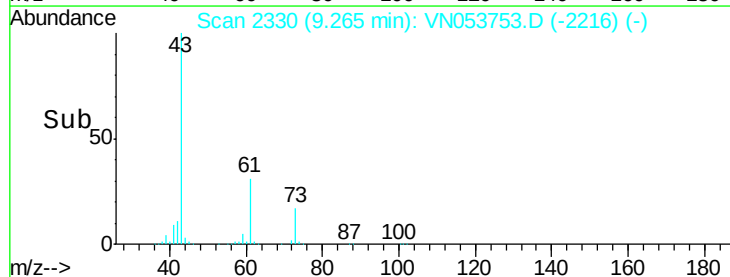
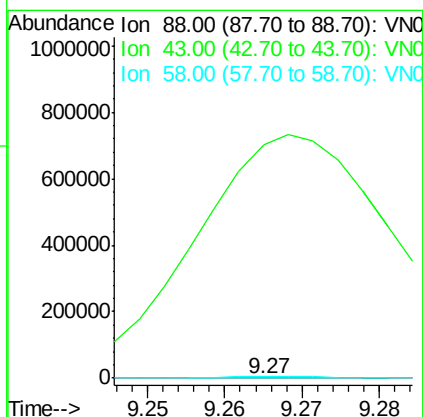
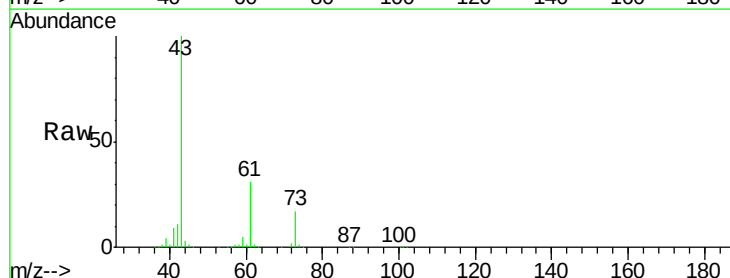
Instrument :
MSVOA_N
ClientSampleId :
JC-02-021119-D

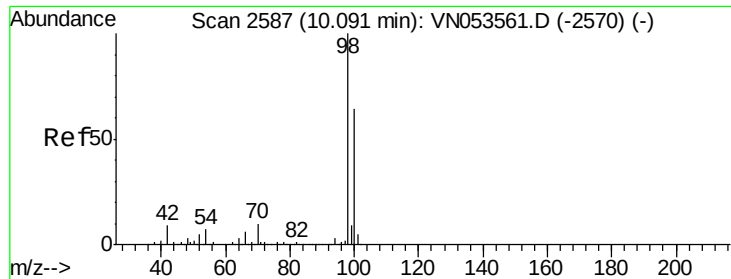
Tot Ion: 41 Resp: 9666
Ion Ratio Lower Upper
41 100
69 0.0 73.8 110.6#
39 0.0 40.0 60.0#



#49
1,4-Dioxane
Concen: 40.225 ug/l
RT: 9.27 min Scan# 2330
Delta R.T. 0.07 min
Lab File: VN053753.D
Acq: 13 Feb 2019 14:21

Tgt Ion: 88 Resp: 92
Ion Ratio Lower Upper
88 100
43 1617773.9 27.8 41.6#
58 8283.7 56.5 84.7#





#50

Toluene-d8

Concen: 51.281 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053753.D

Acq: 13 Feb 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

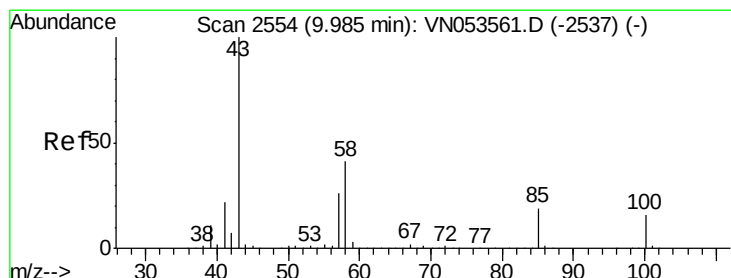
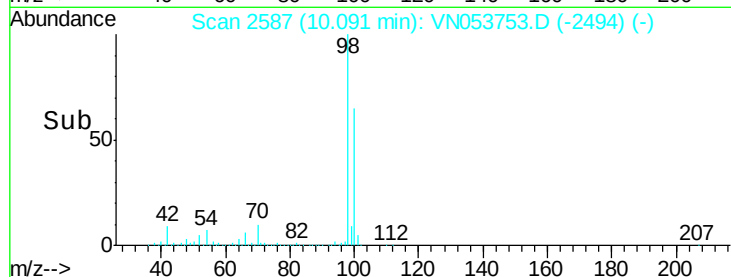
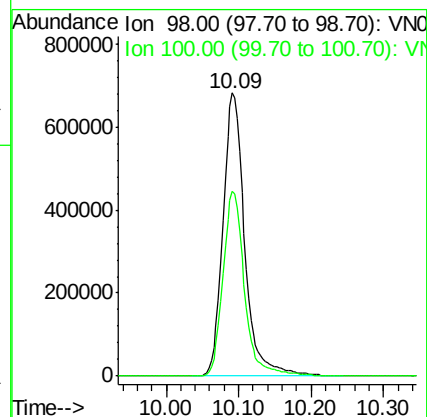
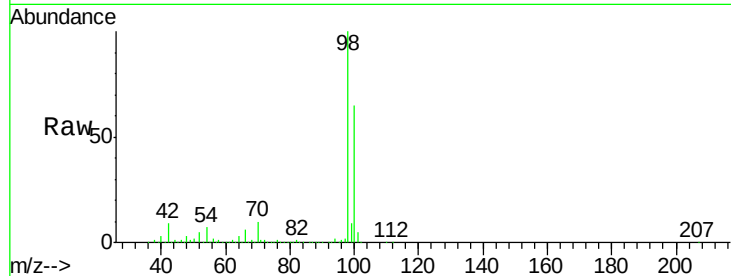
JC-02-021119-D

Tot Ion: 98 Resp: 1418945

Ion Ratio Lower Upper

98 100

100 64.9 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 1.339 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053753.D

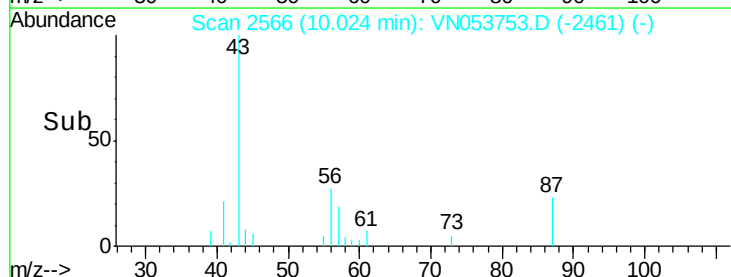
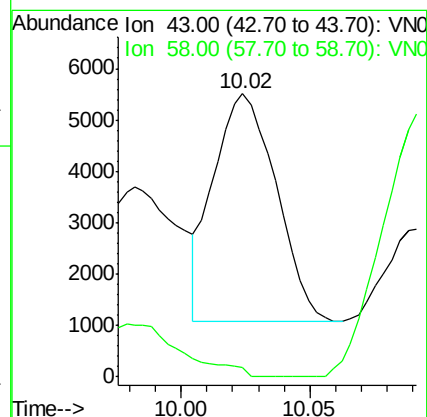
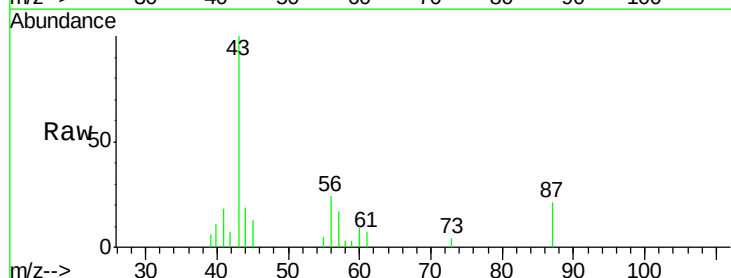
Acq: 13 Feb 2019 14:21

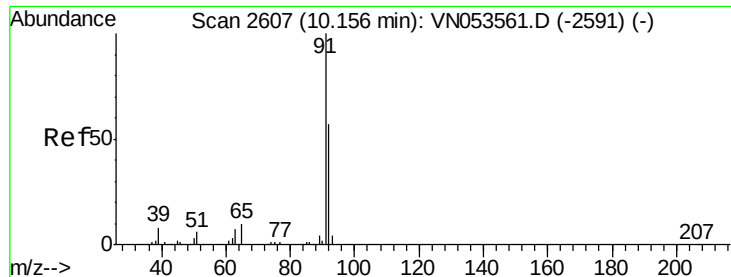
Tgt Ion: 43 Resp: 7461

Ion Ratio Lower Upper

43 100

58 0.0 32.8 49.2#





#52

Toluene

Concen: 0.611 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053753.D

Acq: 13 Feb 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

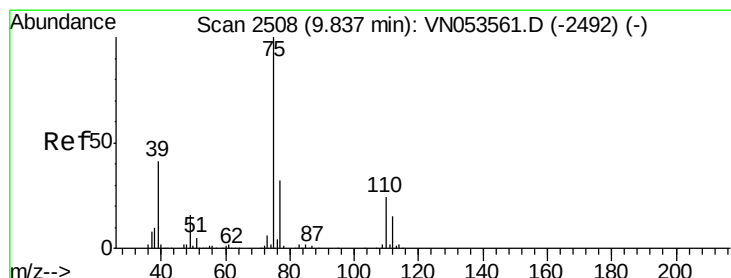
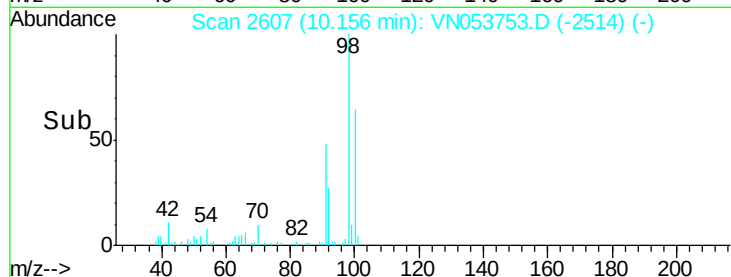
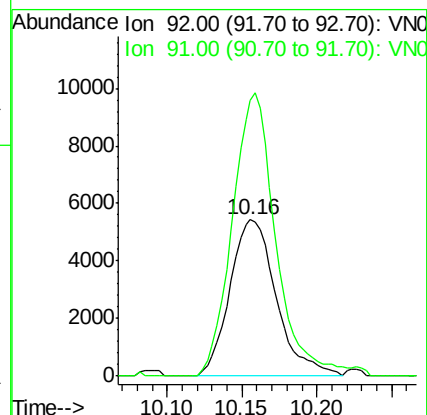
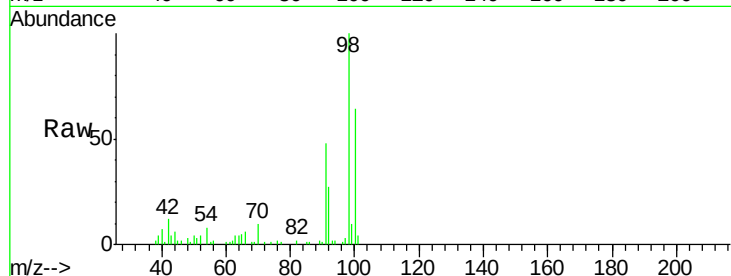
JC-02-021119-D

Tot Ion: 92 Resp: 11749

Ion Ratio Lower Upper

92 100

91 168.7 139.9 209.9



#54

cis-1,3-Dichloropropene

Concen: 5.307 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN053753.D

Acq: 13 Feb 2019 14:21

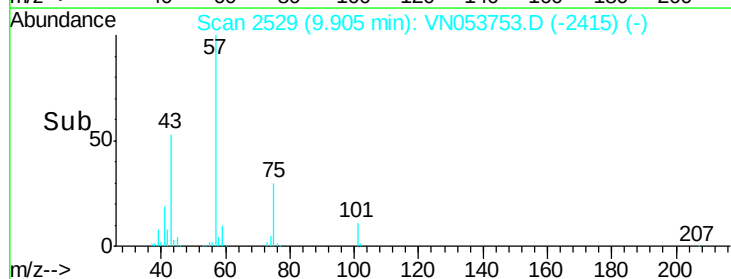
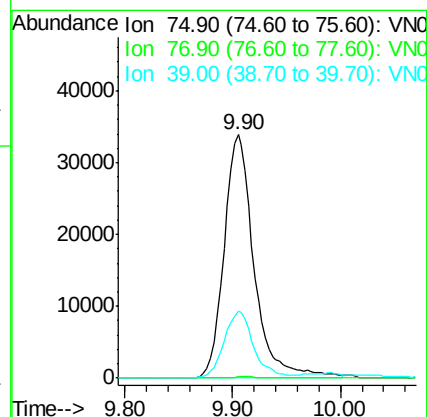
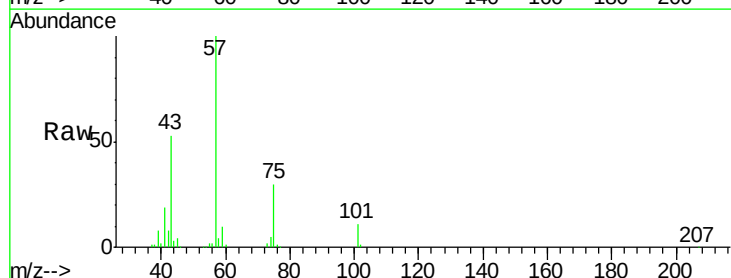
Tgt Ion: 75 Resp: 65452

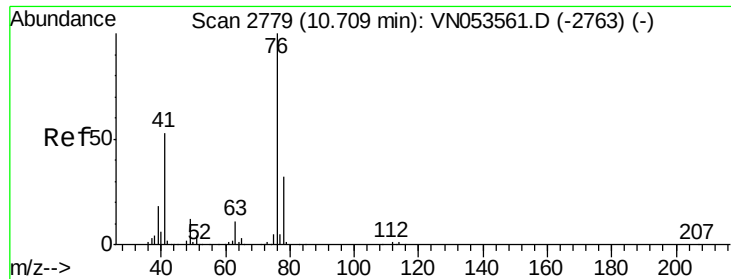
Ion Ratio Lower Upper

75 100

77 0.5 25.8 38.6#

39 27.6 33.4 50.0#

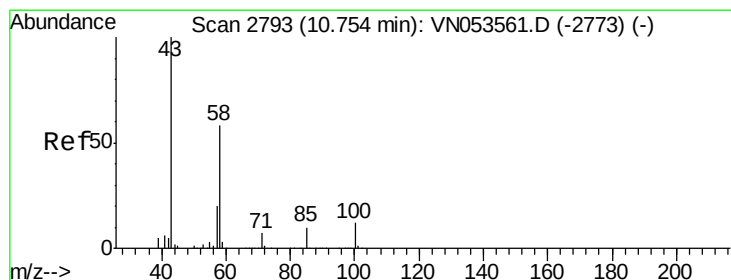
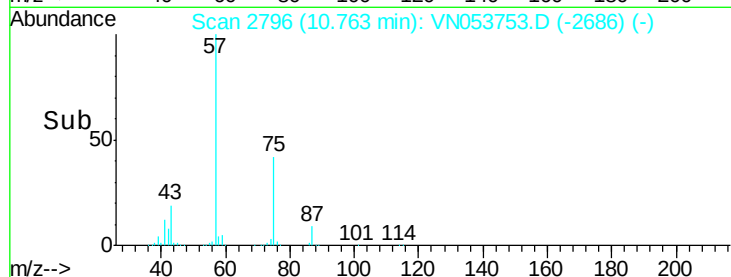
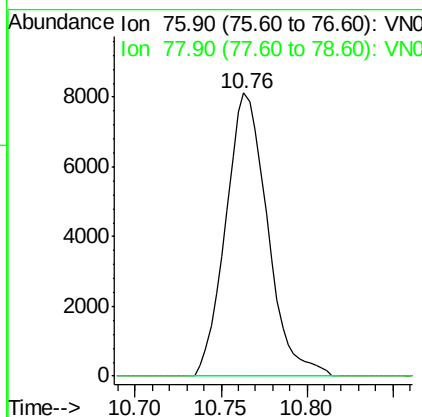
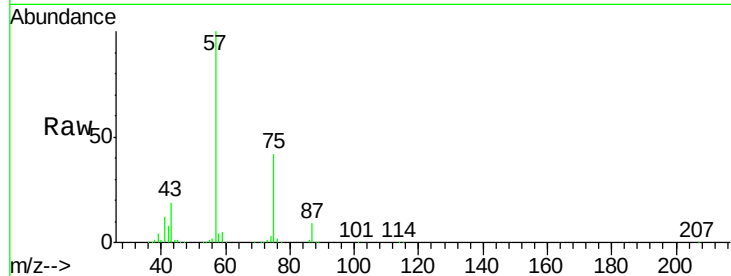




#57
 1,3-Dichloropropane
 Concen: 1.157 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN053753.D
 Acq: 13 Feb 2019 14:21

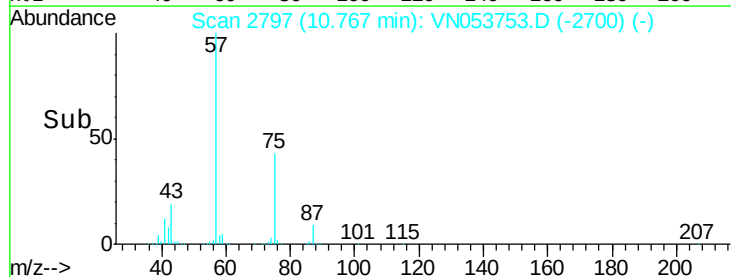
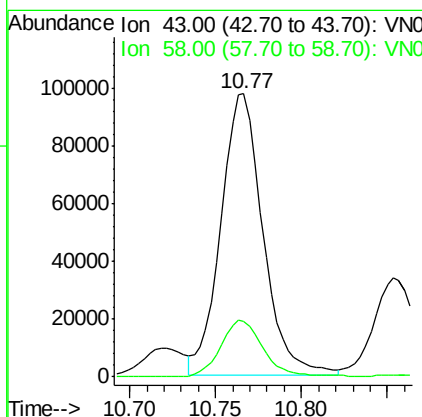
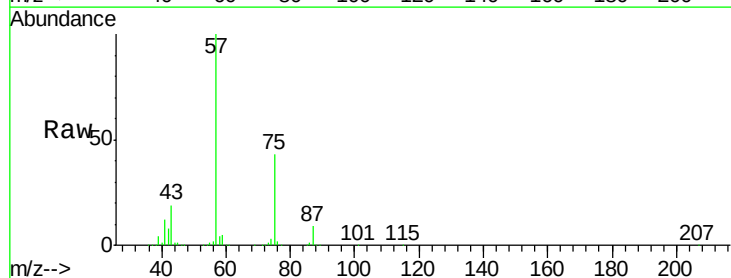
Instrument :
 MSVOA_N
 ClientSampleId :
 JC-02-021119-D

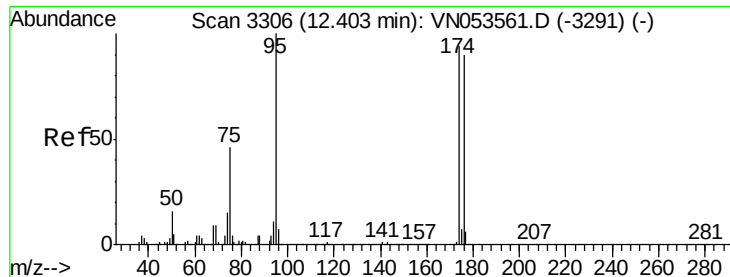
Tot Ion: 76 Resp: 13711
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#59
 2-Hexanone
 Concen: 44.091 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN053753.D
 Acq: 13 Feb 2019 14:21

Tgt Ion: 43 Resp: 166785
 Ion Ratio Lower Upper
 43 100
 58 20.5 28.6 85.8#





#62

4-Bromofluorobenzene

Concen: 50.123 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053753.D

Acq: 13 Feb 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

JC-02-021119-D

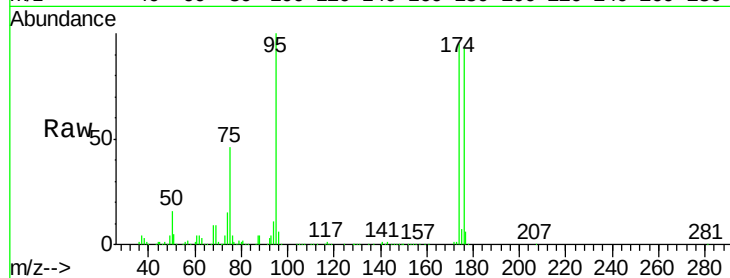
Tot Ion: 95 Resp: 462550

Ion Ratio Lower Upper

95 100

174 93.7 0.0 183.2

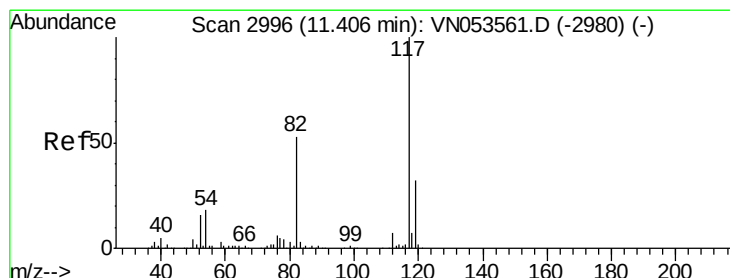
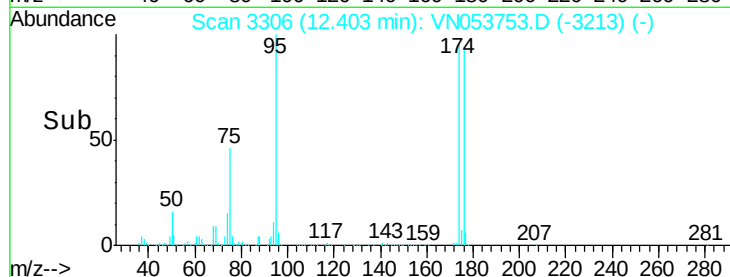
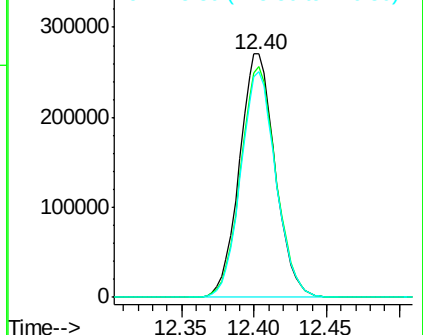
176 91.3 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053753.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN053753.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN053753.D (-3213) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053753.D

Acq: 13 Feb 2019 14:21

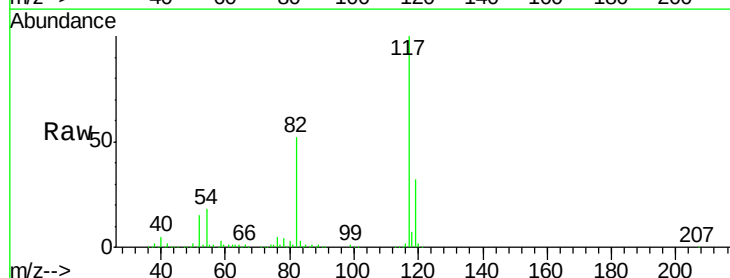
Tgt Ion: 117 Resp: 1082472

Ion Ratio Lower Upper

117 100

82 52.1 42.9 64.3

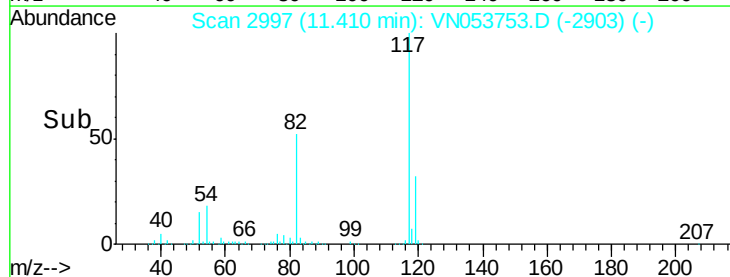
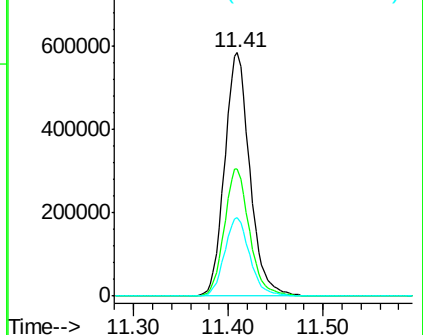
119 32.0 26.0 39.0

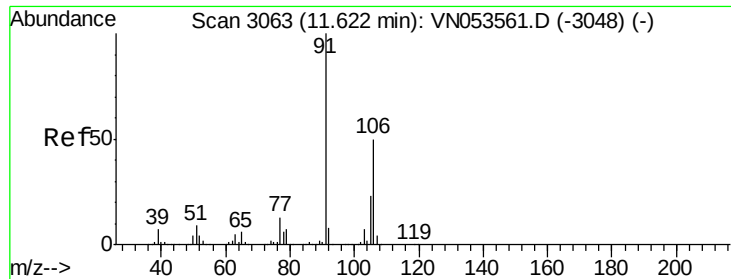


Abundance Ion 116.90 (116.60 to 117.60): VN053753.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN053753.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN053753.D (-2903) (-)

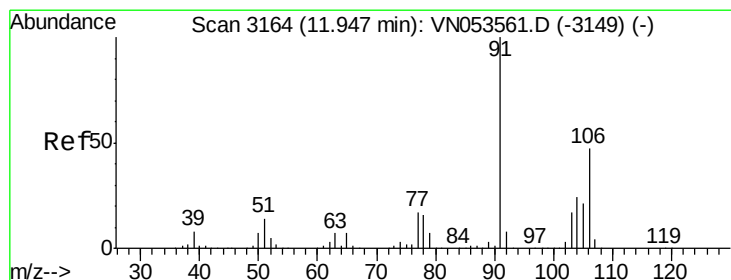
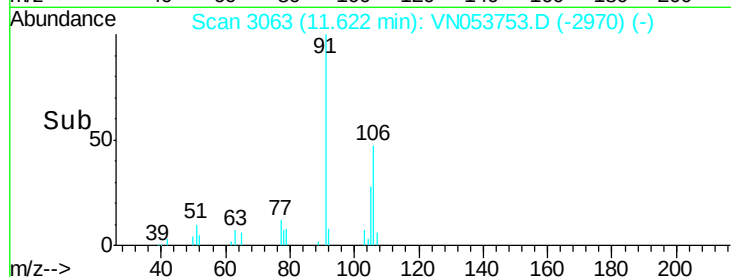
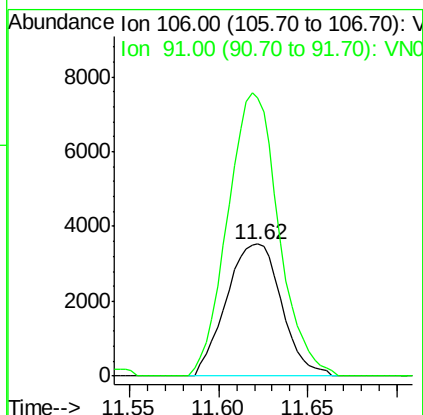
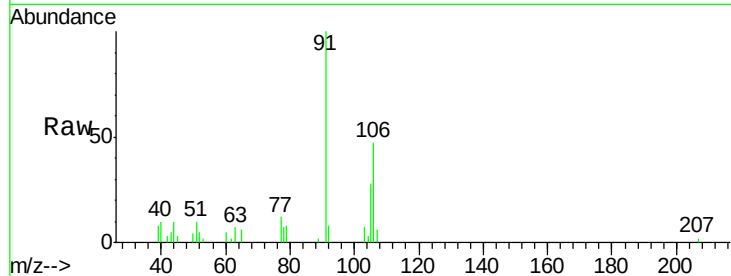




#68
m/p-Xylenes
Concen: 0.529 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053753.D
Acq: 13 Feb 2019 14:21

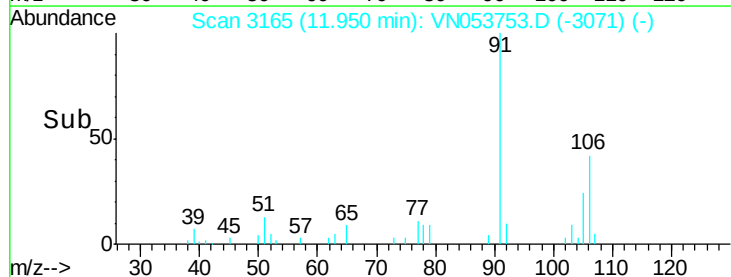
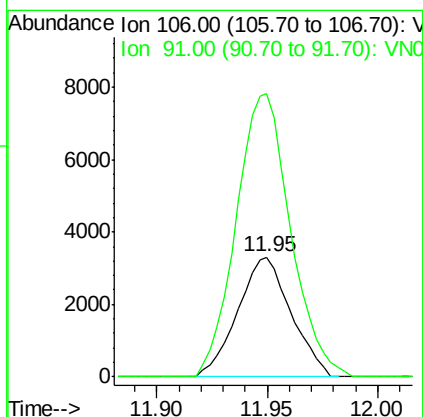
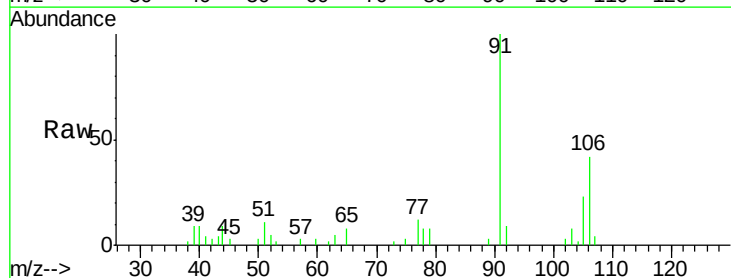
Instrument :
MSVOA_N
ClientSampleId :
JC-02-021119-D

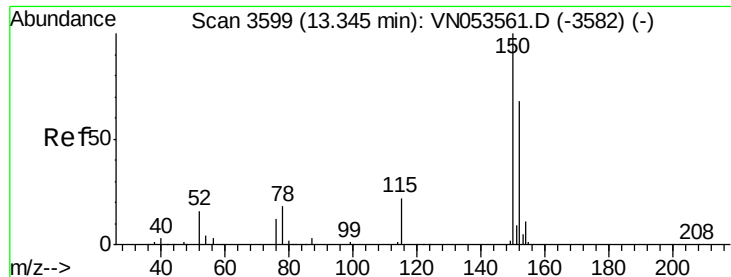
Tot Ion:106 Resp: 7624
Ion Ratio Lower Upper
106 100
91 198.1 161.4 242.2



#69
o-Xylene
Concen: 0.399 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053753.D
Acq: 13 Feb 2019 14:21

Tgt Ion:106 Resp: 5555
Ion Ratio Lower Upper
106 100
91 240.4 106.9 320.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053753.D

Acq: 13 Feb 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

JC-02-021119-D

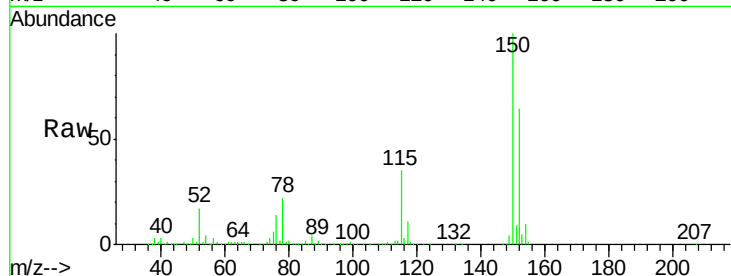
Tot Ion:152 Resp: 434942

Ion Ratio Lower Upper

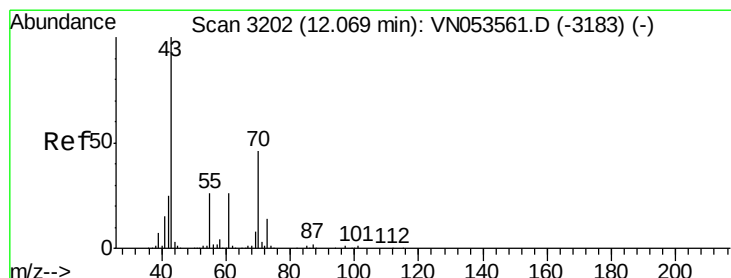
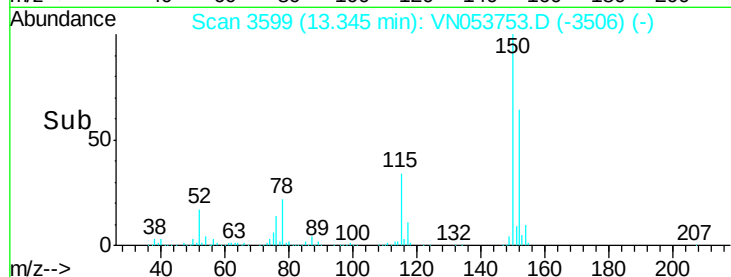
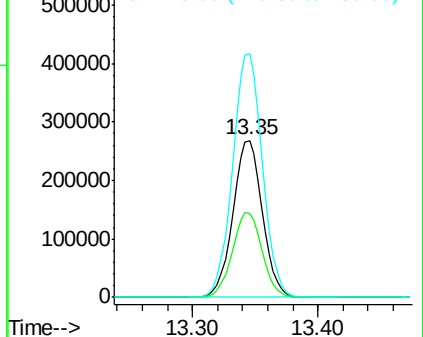
152 100

115 54.6 27.8 83.4

150 157.2 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 2.292 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053753.D

Acq: 13 Feb 2019 14:21

Tgt Ion: 43 Resp: 16854

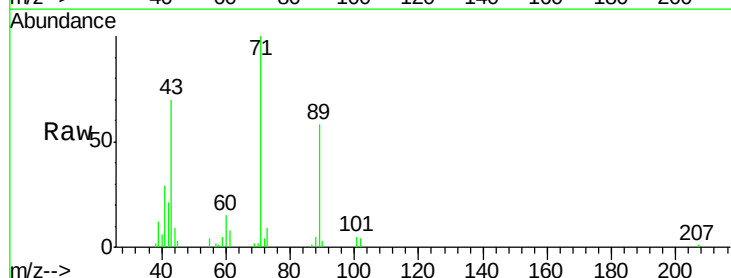
Ion Ratio Lower Upper

43 100

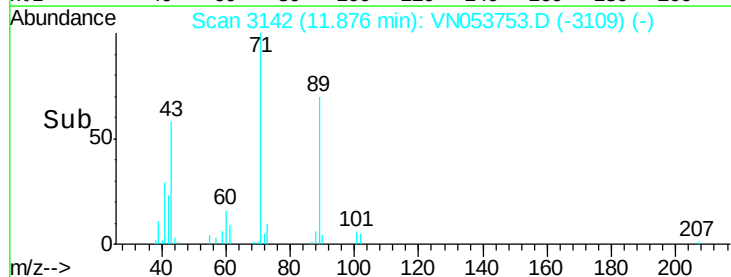
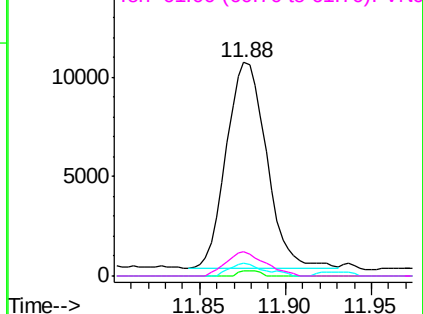
70 1.3 35.4 53.2#

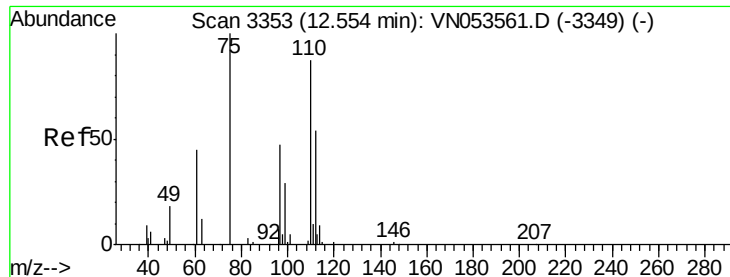
55 5.4 20.9 31.3#

61 11.4 20.5 30.7#



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: 38.097 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053753.D

Acq: 13 Feb 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

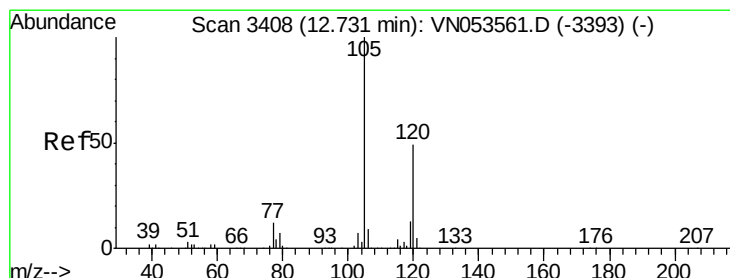
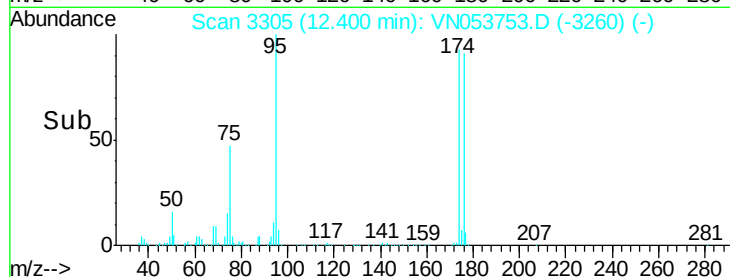
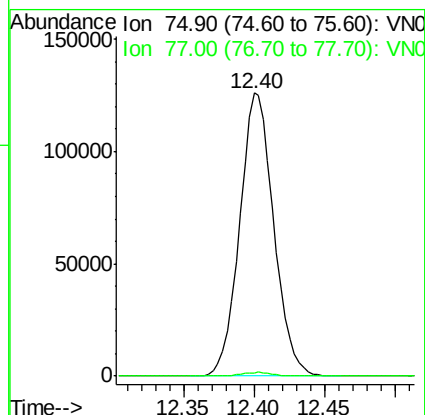
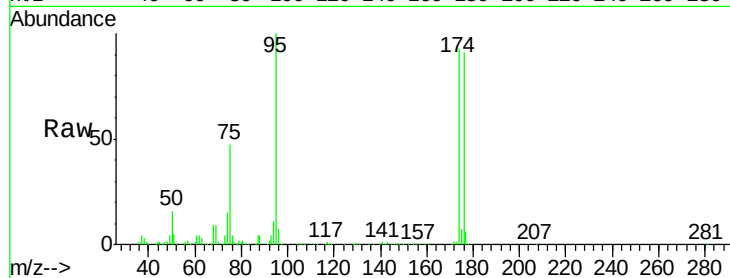
JC-02-021119-D

Tot Ion: 75 Resp: 212830

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.383 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053753.D

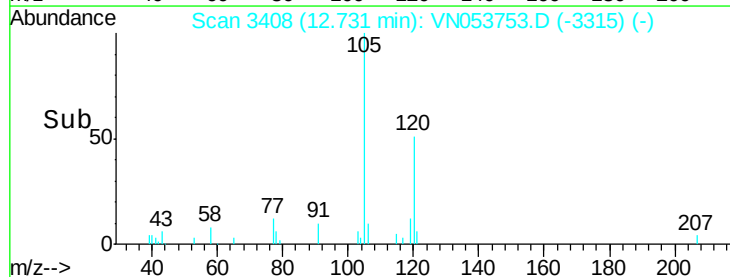
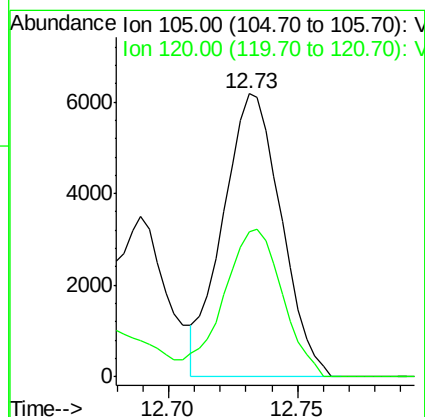
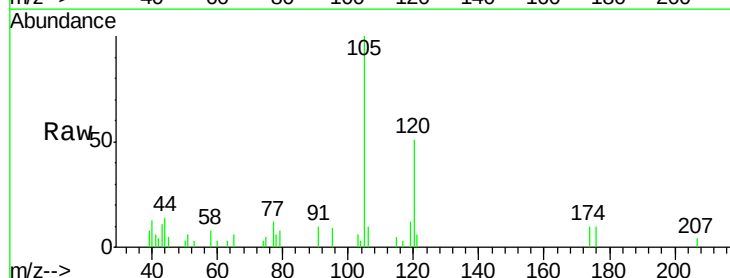
Acq: 13 Feb 2019 14:21

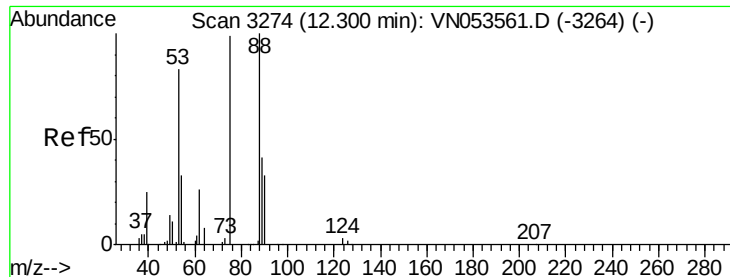
Tgt Ion: 105 Resp: 9708

Ion Ratio Lower Upper

105 100

120 53.4 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 107.125 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053753.D

Acq: 13 Feb 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

JC-02-021119-D

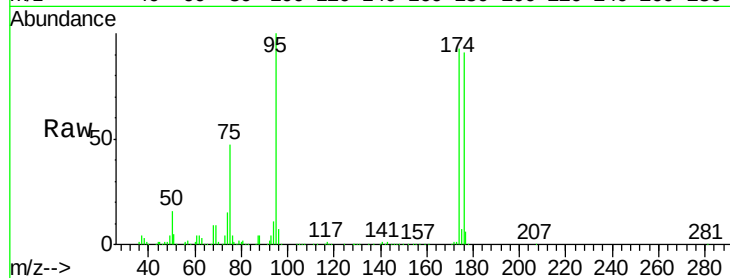
Tot Ion: 75 Resp: 212830

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

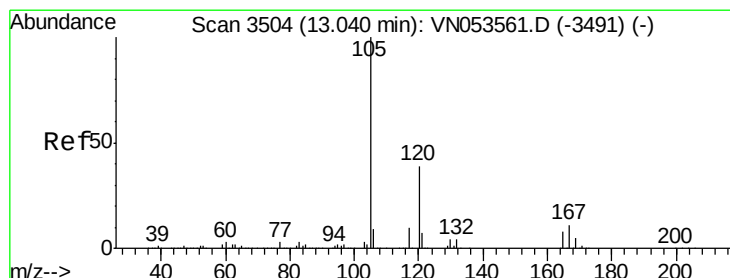
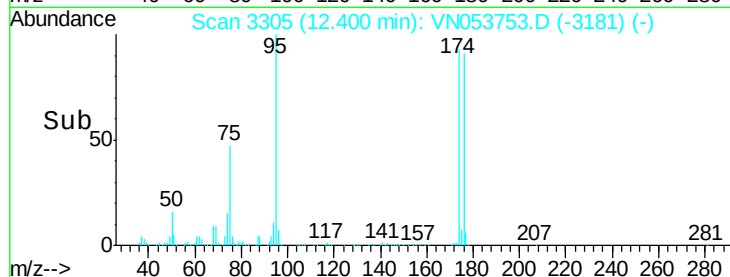
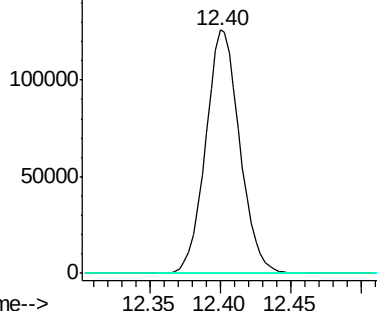
89 0.0 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#84

1,2,4-Trimethylbenzene

Concen: 0.924 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053753.D

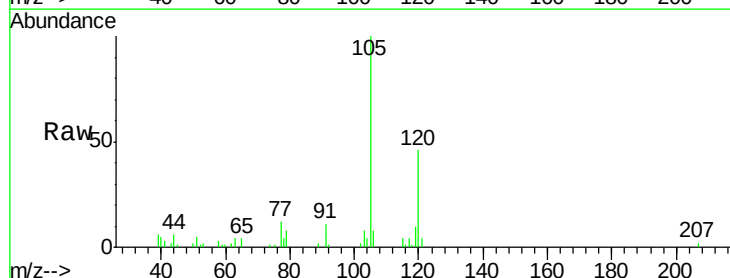
Acq: 13 Feb 2019 14:21

Tgt Ion: 105 Resp: 23861

Ion Ratio Lower Upper

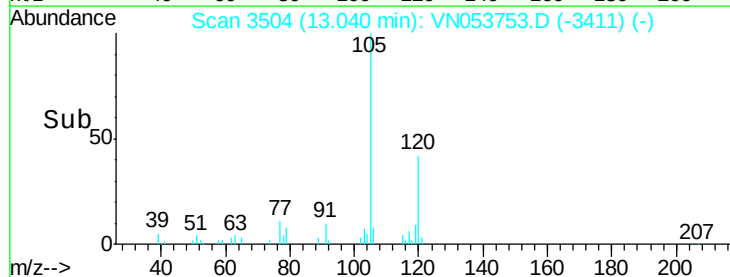
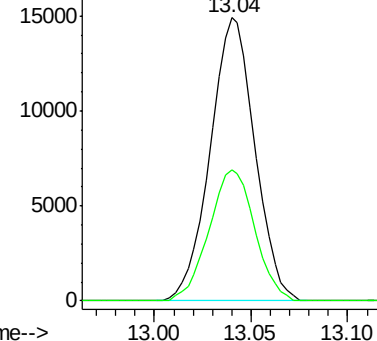
105 100

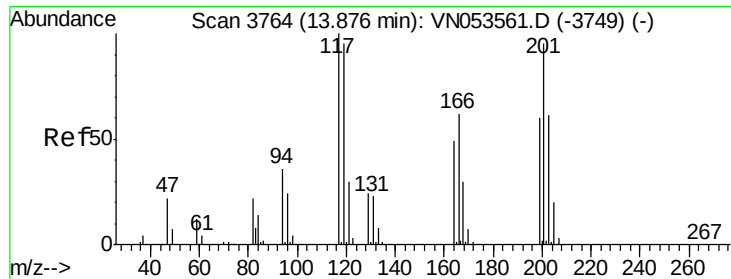
120 47.4 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: 0.253 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053753.D

Acq: 13 Feb 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

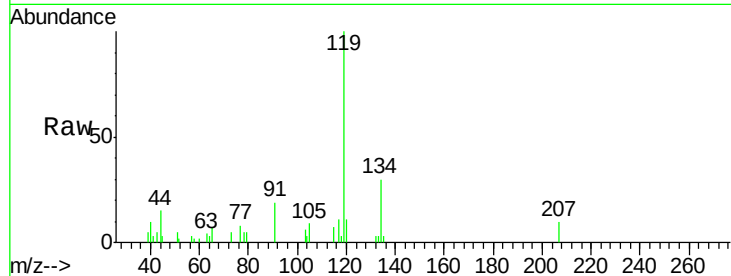
JC-02-021119-D

Tot Ion:117 Resp: 1114

Ion Ratio Lower Upper

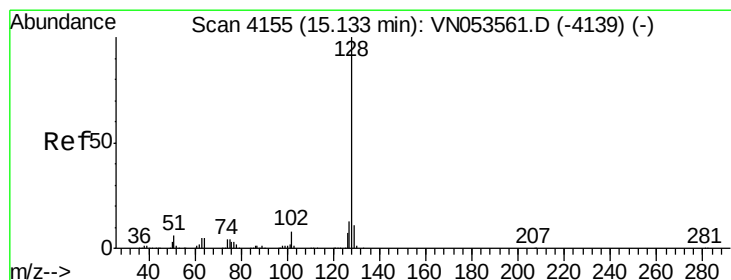
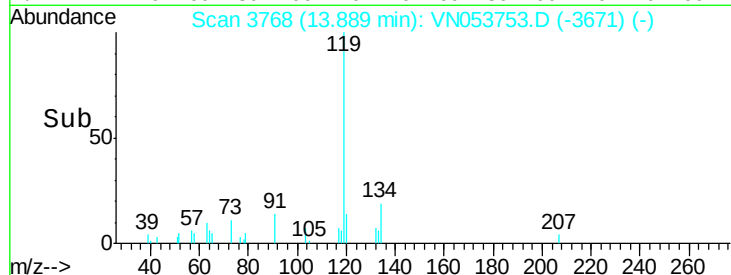
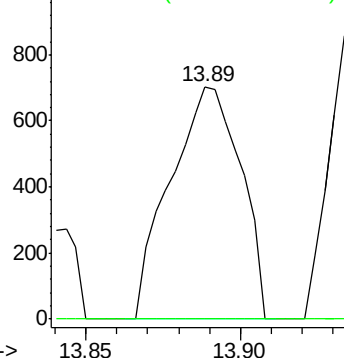
117 100

201 0.0 46.8 140.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 6.291 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053753.D

Acq: 13 Feb 2019 14:21

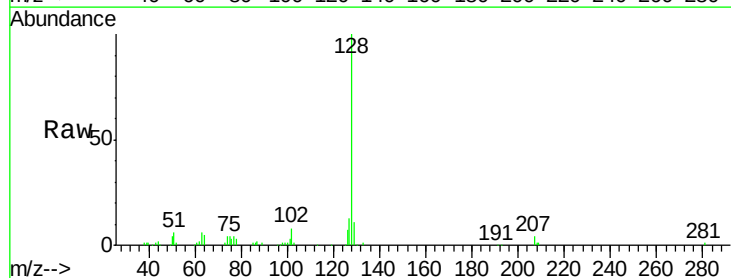
Tgt Ion:128 Resp: 90158

Ion Ratio Lower Upper

128 100

127 12.3 10.3 15.5

129 11.4 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

