

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020819\
 Data File : VN053679.D
 Acq On : 8 Feb 2019 14:10
 Operator : JC/SP
 Sample : K1409-04
 Misc : 3.94g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-09(13-16)ME

Quant Time: Feb 09 02:35:17 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	7.66	168	759603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1163997	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1080123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	544575	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	352655	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	
35) Dibromofluoromethane	7.59	113	343163	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	
50) Toluene-d8	10.09	98	1532209	55.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.96%	
62) 4-Bromofluorobenzene	12.40	95	532985	57.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.74%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.77	59	243	0.539	ug/l #	72
13) Acrolein	3.79	56	54023	220.014	ug/l #	75
14) Allyl chloride	4.58	41	2408312	215.032	ug/l #	60
15) Acrylonitrile	5.05	53	115507	47.443	ug/l #	40
16) Acetone	3.78	43	149516	76.494	ug/l #	50
18) Methyl Acetate	4.58	43	6440498	1112.606	ug/l #	51
20) Methylene Chloride	4.53	84	5159	0.629	ug/l #	1
23) Vinyl Acetate	5.91	43	6579	0.458	ug/l #	72
25) 2-Butanone	6.82	43	52444	18.813	ug/l #	47
26) 2,2-Dichloropropane	6.62	77	15642	1.480	ug/l #	51
29) Tetrahydrofuran	7.22	42	3094	1.728	ug/l #	33
30) Chloroform	7.32	83	91031	6.634	ug/l #	18
31) Cyclohexane	7.63	56	1816537	141.266	ug/l #	54
36) 1,1-Dichloropropene	7.66	75	47499	4.527	ug/l #	48
37) Ethyl Acetate	6.82	43	52444	8.949	ug/l #	69
38) Carbon Tetrachloride	7.66	117	61335	5.803	ug/l #	15
39) Methylcyclohexane	9.08	83	2970591	238.630	ug/l	98
41) Methacrylonitrile	7.21	41	24601	7.511	ug/l #	51
42) 1,2-Dichloroethane	8.16	62	5674	0.591	ug/l #	1
43) Isopropyl Acetate	8.15	43	575009	50.808	ug/l #	52
45) 1,2-Dichloropropane	9.14	63	2341	0.283	ug/l #	1
46) Dibromomethane	9.15	93	4517	0.905	ug/l #	1
47) Bromodichloromethane	9.38	83	143564	13.840	ug/l #	28
48) Methyl methacrylate	9.14	41	352923	65.329	ug/l #	40
51) 4-Methyl-2-Pentanone	9.87	43	2675871	481.154	ug/l #	40
55) 1,1,2-Trichloroethane	10.53	97	743866	107.497	ug/l #	19
56) Ethyl methacrylate	10.43	69	23307	2.847	ug/l #	24
58) 2-Chloroethyl Vinyl ether	9.43	63	388	8.083	ug/l	99
59) 2-Hexanone	10.72	43	441780	117.014	ug/l #	28
61) 1,2-Dibromoethane	10.98	107	3835	0.560	ug/l #	1
64) Tetrachloroethene	10.63	164	3273	0.353	ug/l #	87
65) Chlorobenzene	11.54	112	9732	0.424	ug/l #	43
67) Ethyl Benzene	11.51	91	214085	5.680	ug/l	99
68) m/p-Xylenes	11.62	106	125537	8.727	ug/l	97

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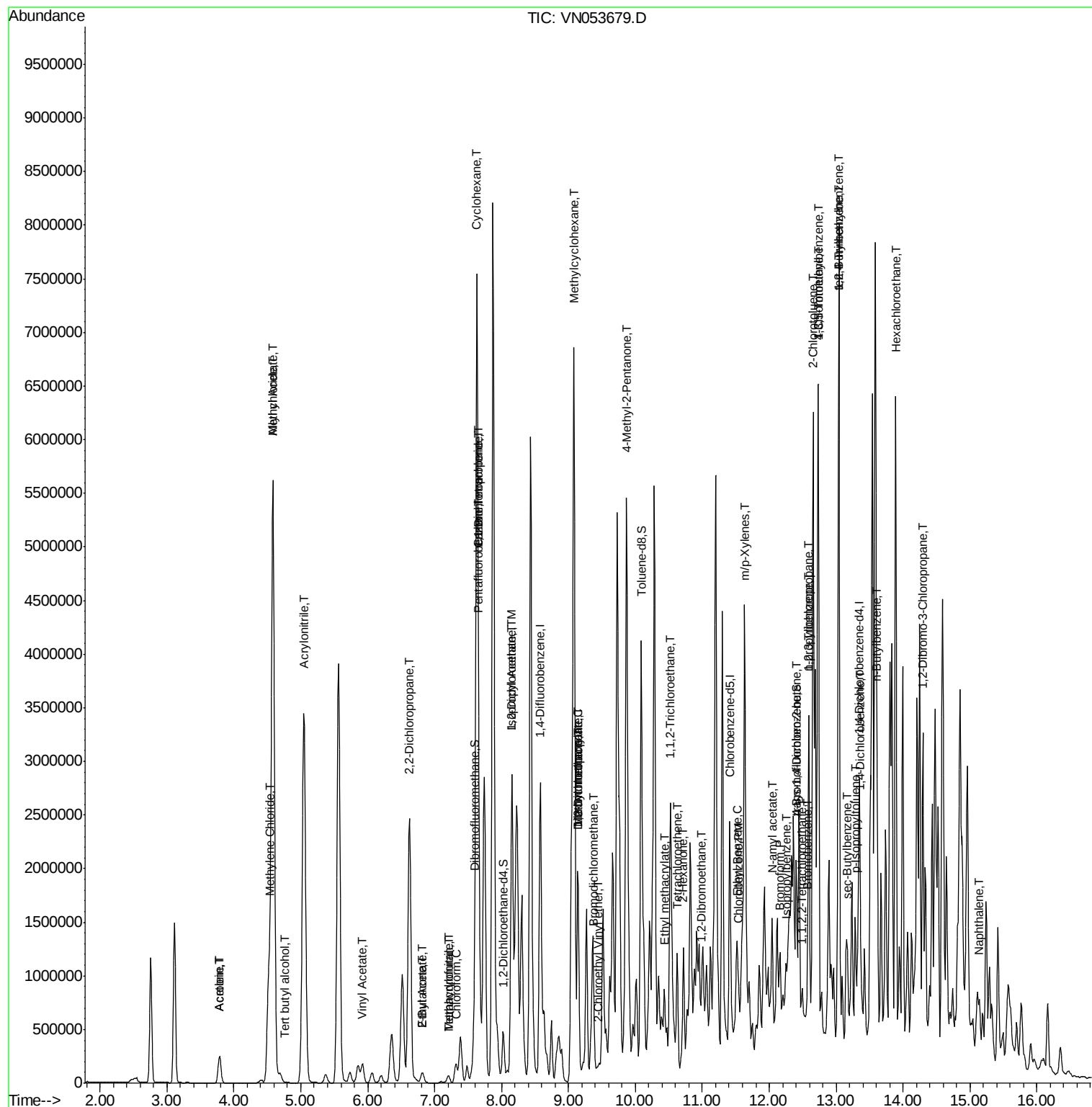
71) Bromoform	12.15	173	1988	0.362	uq/l #	28
73) Isopropylbenzene	12.25	105	411854	10.758	uq/l	98
74) N-amyl acetate	12.04	43	239857	26.055	uq/l #	51
75) 1,1,2,2-Tetrachloroethane	12.49	83	5964	0.651	uq/l #	1
76) 1,2,3-Trichloropropane	12.59	75	12504	1.788	uq/l #	100
77) Bromobenzene	12.56	156	150112	14.549	uq/l #	1
78) n-propylbenzene	12.59	91	2282732	51.581	uq/l	100
79) 2-Chlorotoluene	12.65	91	414964	15.805	uq/l #	39
80) 1,3,5-Trimethylbenzene	12.73	105	2158096	67.980	uq/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	227006	91.258	uq/l #	15
82) 4-Chlorotoluene	12.73	91	206339	7.659	uq/l #	41
83) tert-Butylbenzene	13.04	119	538288	19.185	uq/l #	71
84) 1,2,4-Trimethylbenzene	13.04	105	4290100	132.643	uq/l	99
85) sec-Butylbenzene	13.17	105	427240	11.190	uq/l #	47
86) p-Isopropyltoluene	13.29	119	235531	7.053	uq/l	100
88) 1,4-Dichlorobenzene	13.36	146	3805	0.207	uq/l #	1
89) n-Butylbenzene	13.62	91	1135702	39.293	uq/l #	76
90) Hexachloroethane	13.89	117	287219	52.146	uq/l #	3
92) 1,2-Dibromo-3-Chloropropan	14.30	75	5712	4.374	uq/l #	10
95) Naphthalene	15.13	128	115155	6.383	uq/l #	83

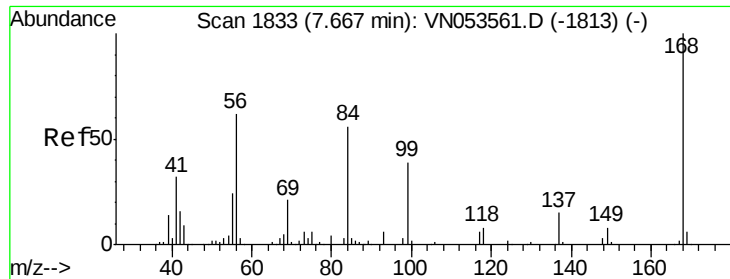
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

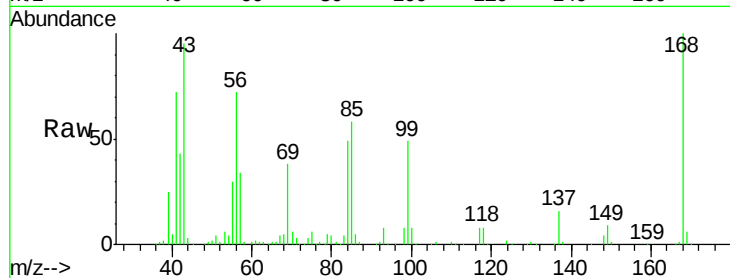
SB-09(13-16)ME

Tot Ion:168 Resp: 759603

Ion Ratio Lower Upper

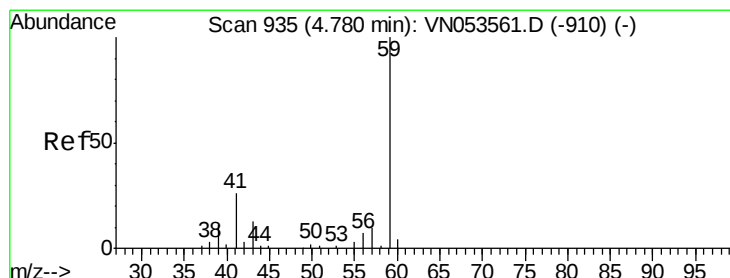
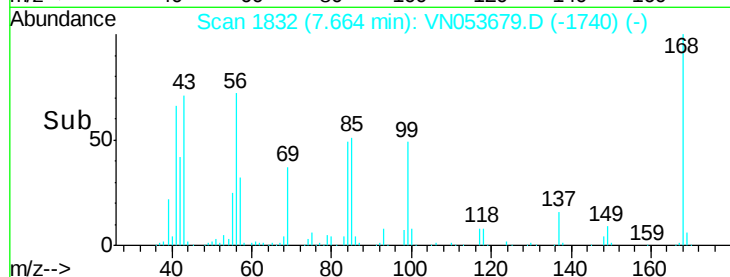
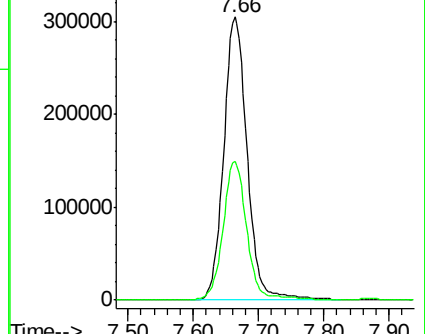
168 100

99 49.0 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 0.539 ug/l

RT: 4.77 min Scan# 933

Delta R.T. -0.01 min

Lab File: VN053679.D

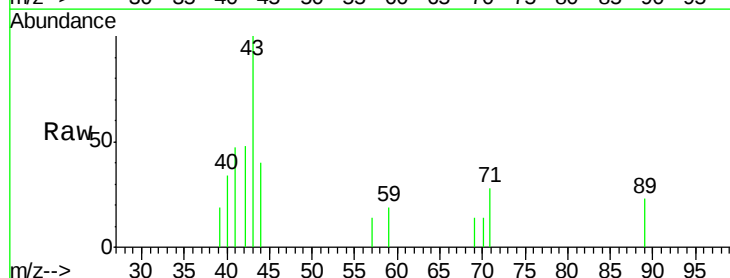
Acq: 8 Feb 2019 14:10

Tgt Ion: 59 Resp: 243

Ion Ratio Lower Upper

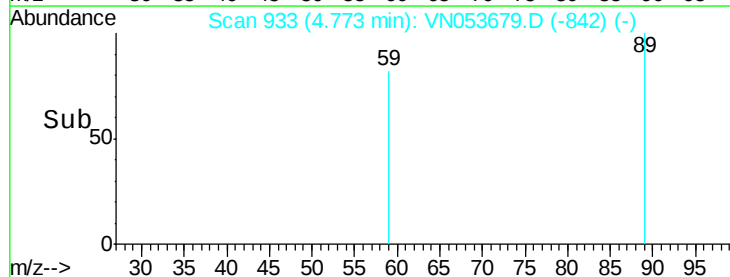
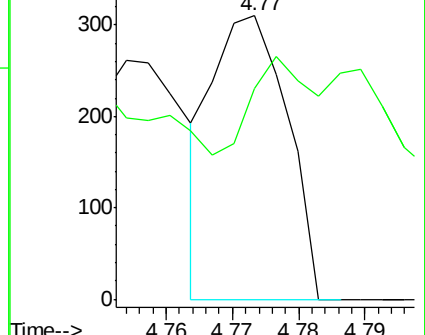
59 100

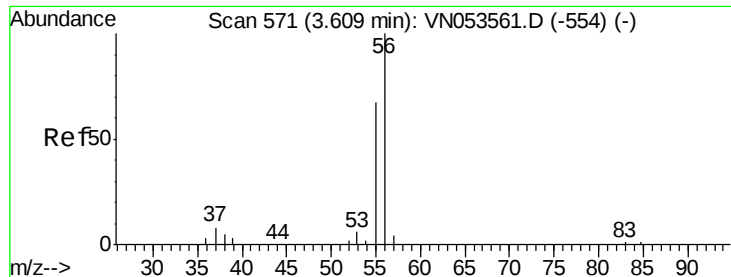
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#13

Acrolein

Concen: 220.014 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.18 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

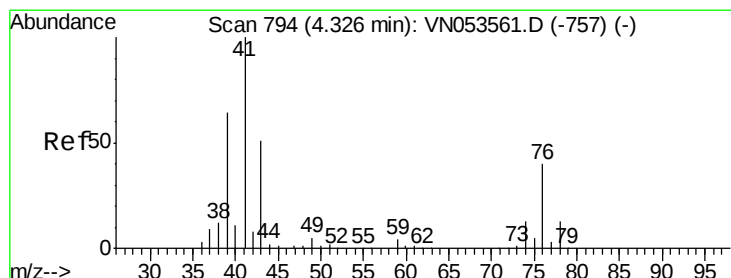
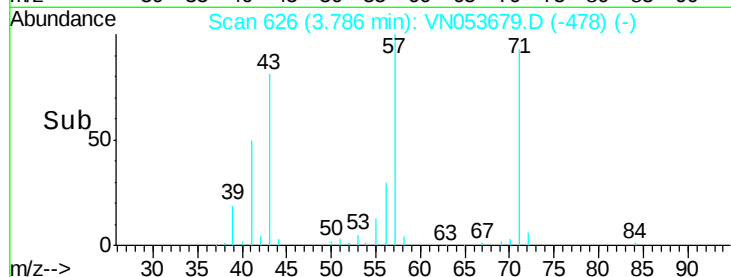
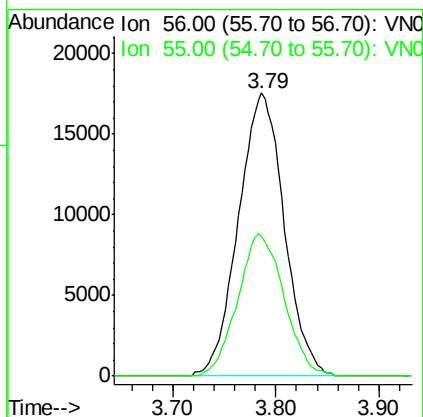
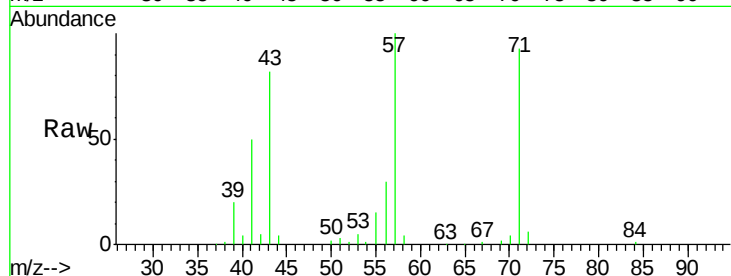
SB-09(13-16)ME

Tot Ion: 56 Resp: 54023

Ion Ratio Lower Upper

56 100

55 51.1 57.4 86.0#



#14

Allyl chloride

Concen: 215.032 ug/l

RT: 4.58 min Scan# 874

Delta R.T. 0.26 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

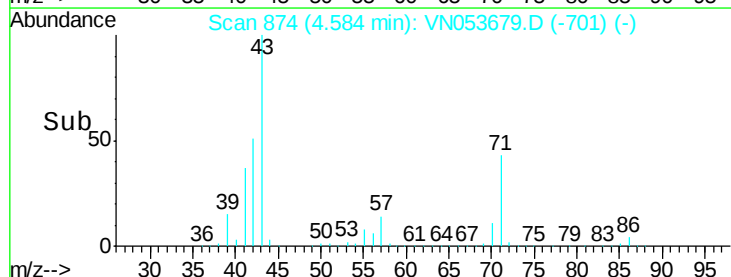
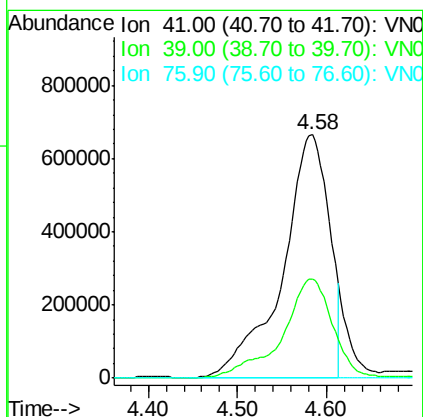
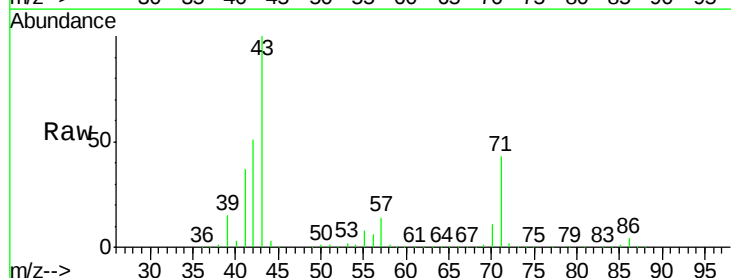
Tgt Ion: 41 Resp: 2408312

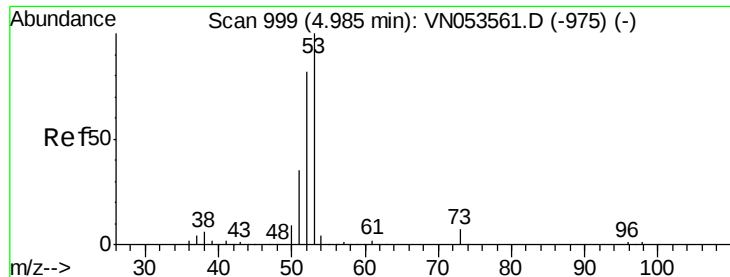
Ion Ratio Lower Upper

41 100

39 40.7 48.9 73.3#

76 0.0 29.4 44.2#





#15

Acrylonitrile

Concen: 47.443 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.06 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

SB-09(13-16)ME

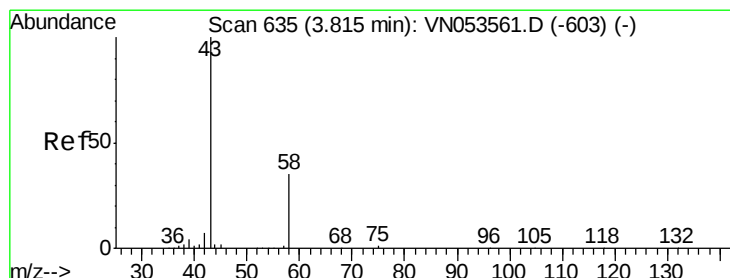
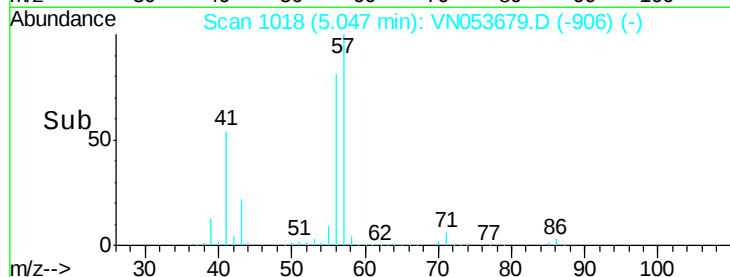
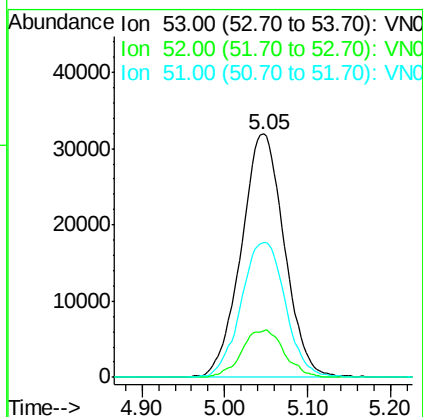
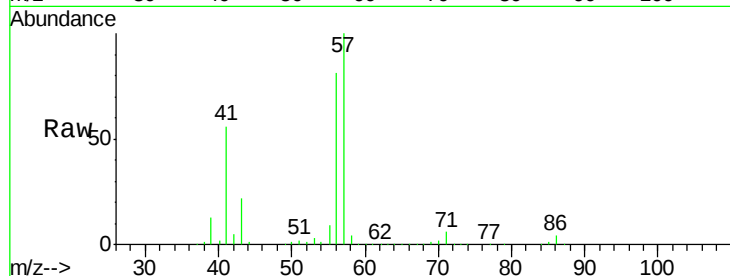
Tot Ion: 53 Resp: 115507

Ion Ratio Lower Upper

53 100

52 19.2 66.0 99.0#

51 57.0 28.3 42.5#



#16

Acetone

Concen: 76.494 ug/l

RT: 3.78 min Scan# 625

Delta R.T. -0.03 min

Lab File: VN053679.D

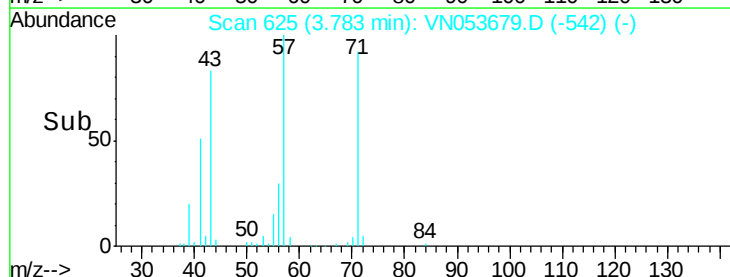
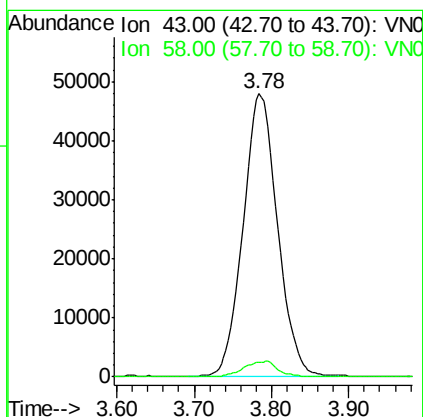
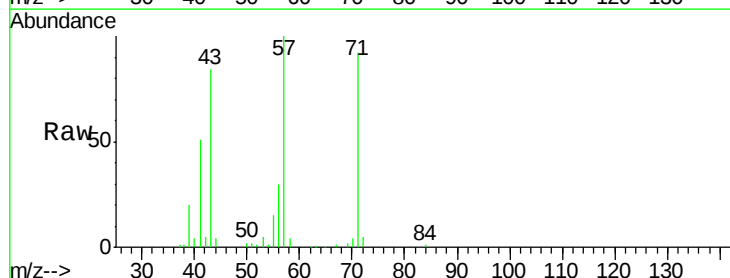
Acq: 8 Feb 2019 14:10

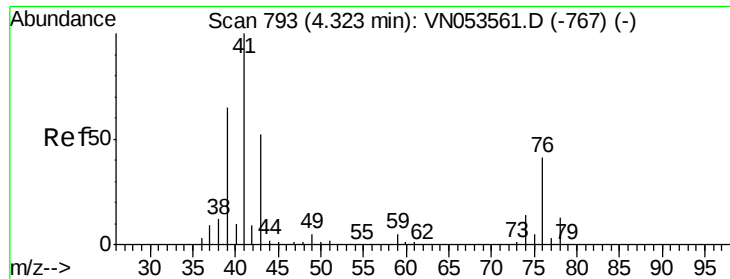
Tgt Ion: 43 Resp: 149516

Ion Ratio Lower Upper

43 100

58 5.3 27.1 40.7#





#18

Methyl Acetate

Concen: 1112.606 ug/l

RT: 4.58 min Scan# 874

Delta R.T. 0.26 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

Instrument :

MSVOA_N

ClientSampled :

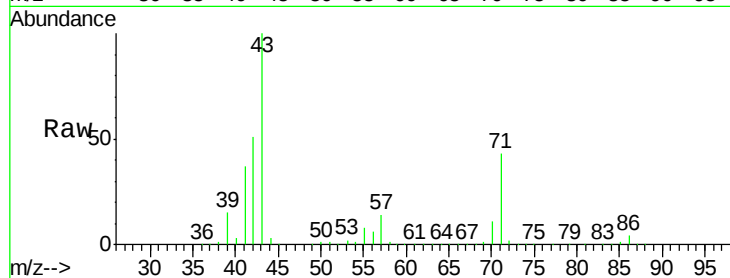
SB-09(13-16)ME

Tot Ion: 43 Resp: 6440498

Ion Ratio Lower Upper

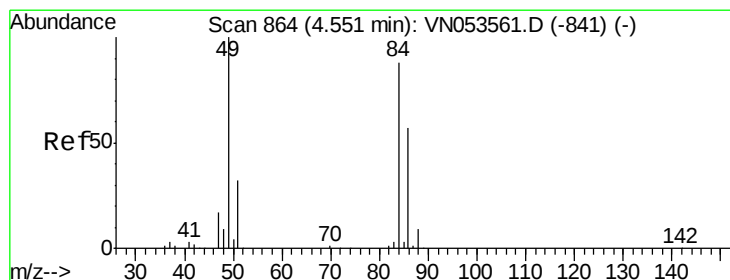
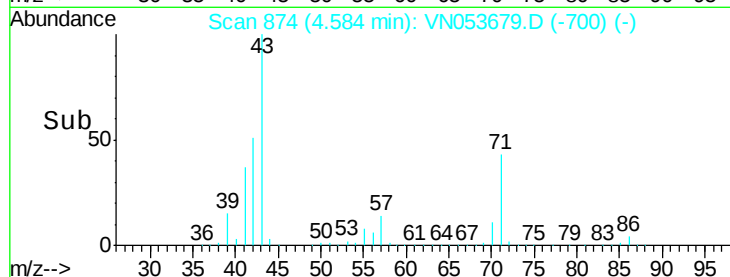
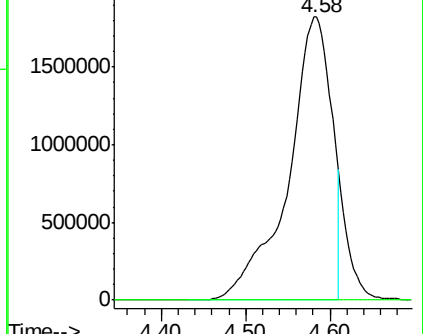
43 100

74 0.0 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



#20

Methylene Chloride

Concen: 0.629 ug/l

RT: 4.53 min Scan# 856

Delta R.T. -0.03 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

Tgt Ion: 84 Resp: 5159

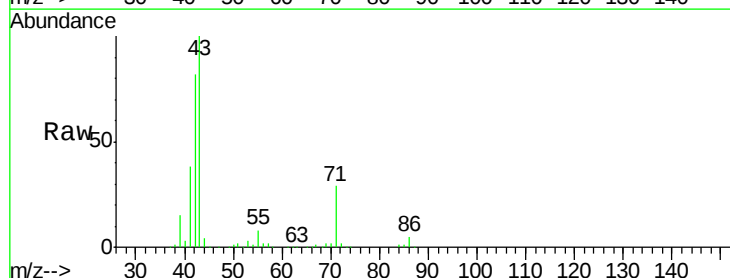
Ion Ratio Lower Upper

84 100

49 64.4 94.3 141.5#

51 238.4 29.4 44.2#

86 805.2 51.4 77.0#

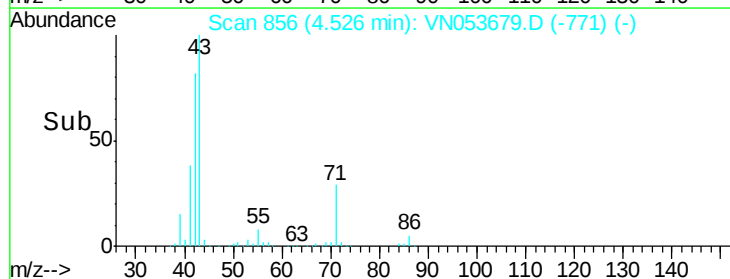
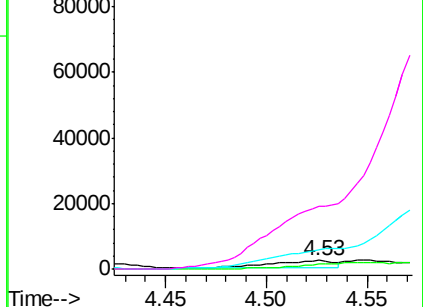


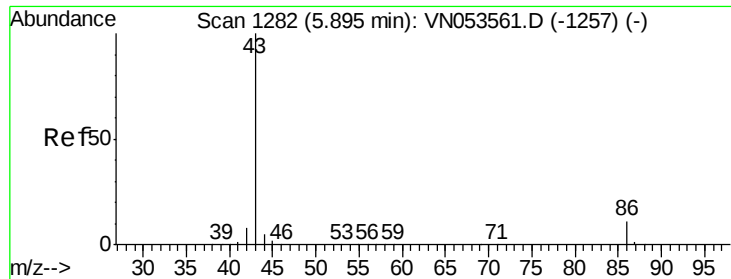
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





#23

Vinyl Acetate

Concen: 0.458 ug/l

RT: 5.91 min Scan# 1285

Delta R.T. 0.01 min

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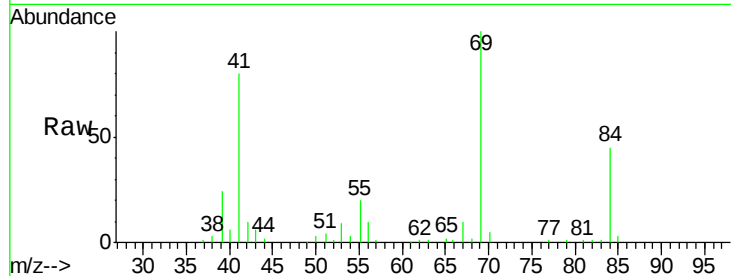
SB-09(13-16)ME

Tot Ion: 43 Resp: 6579

Ion Ratio Lower Upper

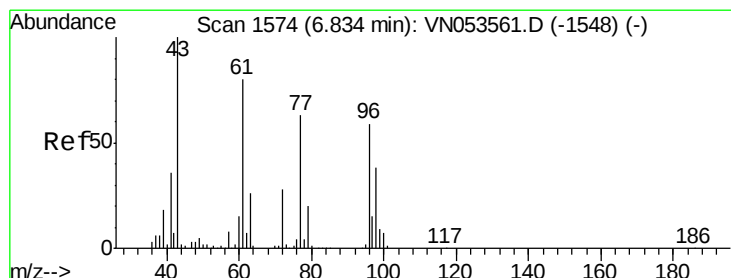
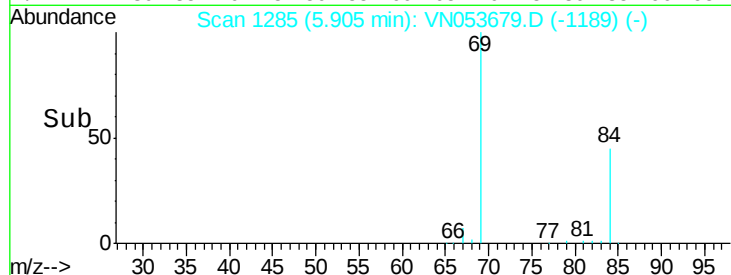
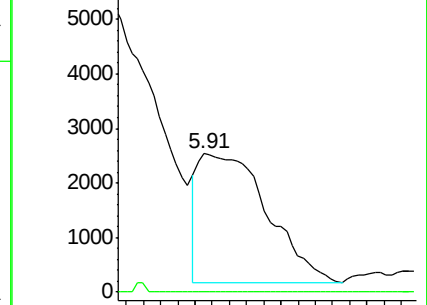
43 100

86 0.0 8.4 12.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#25

2-Butanone

Concen: 18.813 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. -0.02 min

Lab File: VN053679.D

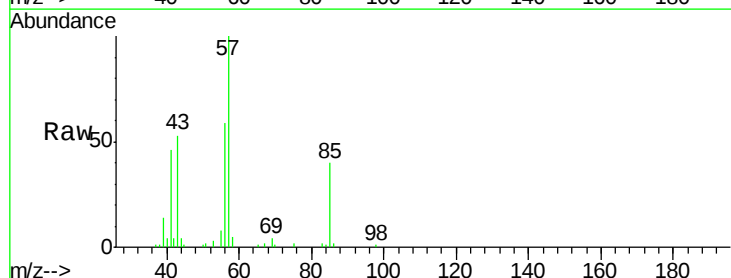
Acq: 8 Feb 2019 14:10

Tgt Ion: 43 Resp: 52444

Ion Ratio Lower Upper

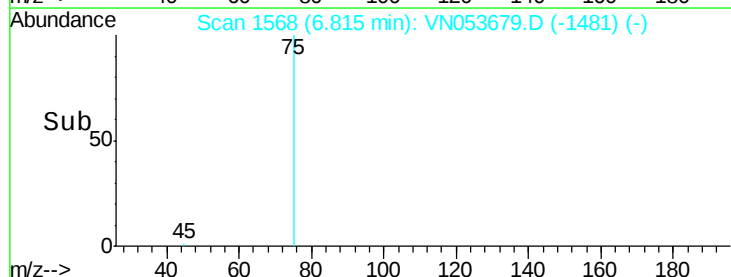
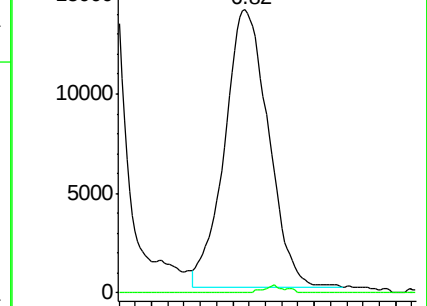
43 100

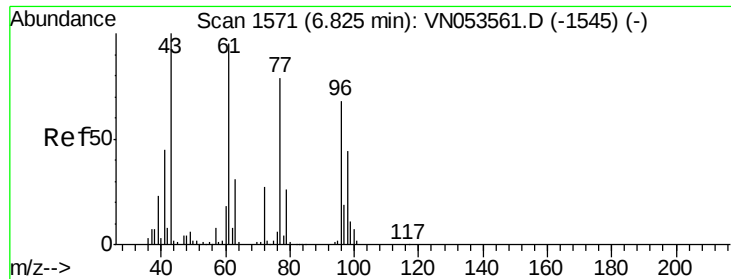
72 0.0 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#26

2,2-Dichloropropane

Concen: 1.480 ug/l

RT: 6.62 min Scan# 1507

Delta R.T. -0.21 min

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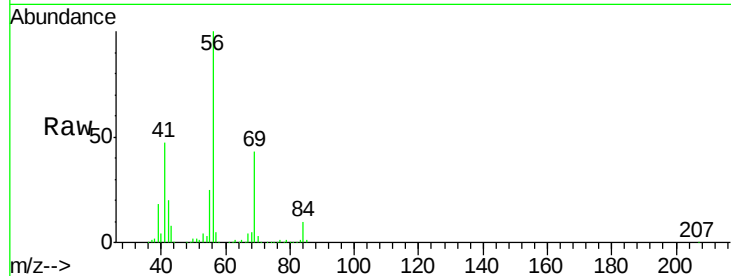
SB-09(13-16)ME

Tot Ion: 77 Resp: 15642

Ion Ratio Lower Upper

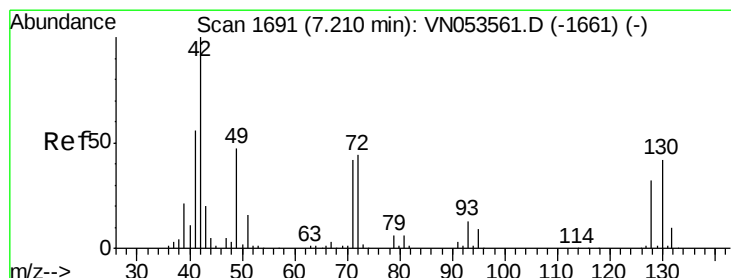
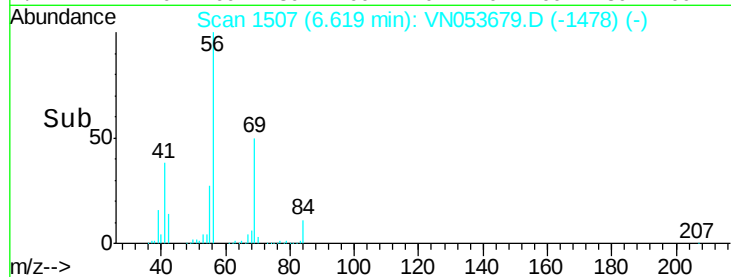
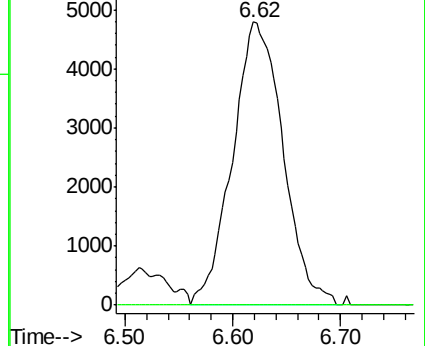
77 100

97 0.0 12.2 36.6#



Abundance Ion 76.90 (76.60 to 77.60): VNO

Ion 96.90 (96.60 to 97.60): VNO



#29

Tetrahydrofuran

Concen: 1.728 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

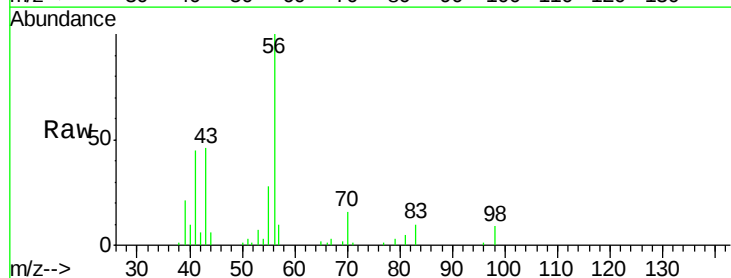
Tgt Ion: 42 Resp: 3094

Ion Ratio Lower Upper

42 100

72 0.0 35.2 52.8#

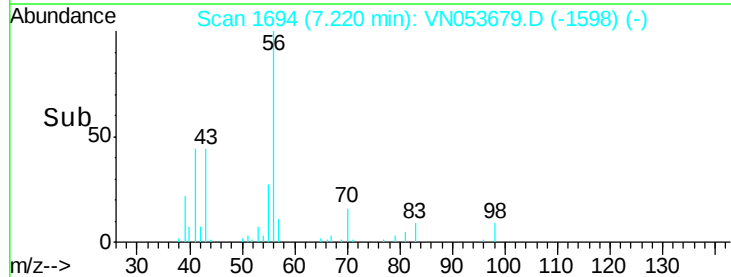
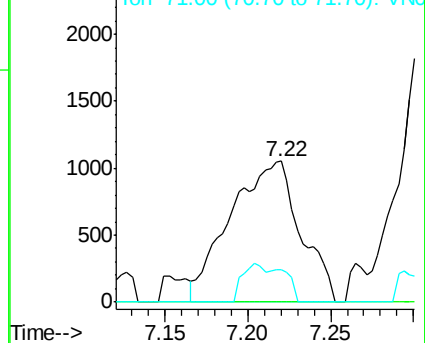
71 0.0 33.0 49.4#

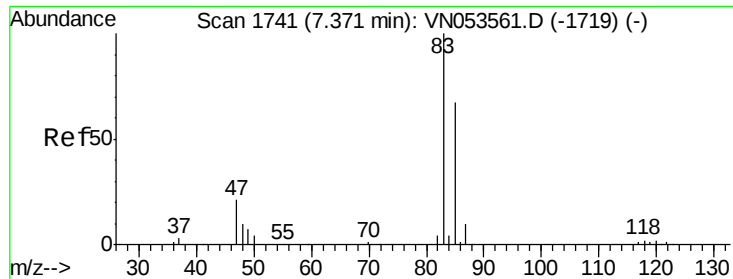


Abundance Ion 42.00 (41.70 to 42.70): VNO

Ion 72.00 (71.70 to 72.70): VNO

Ion 71.00 (70.70 to 71.70): VNO

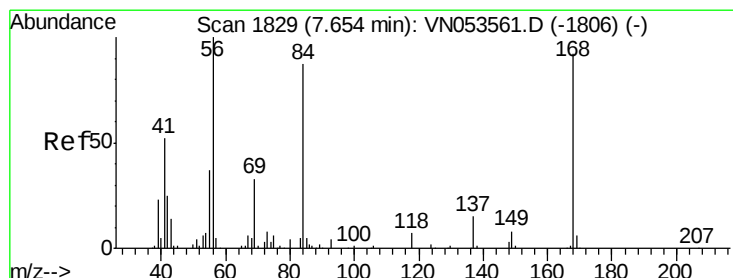
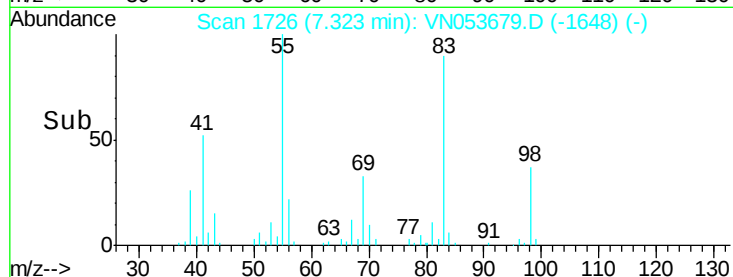
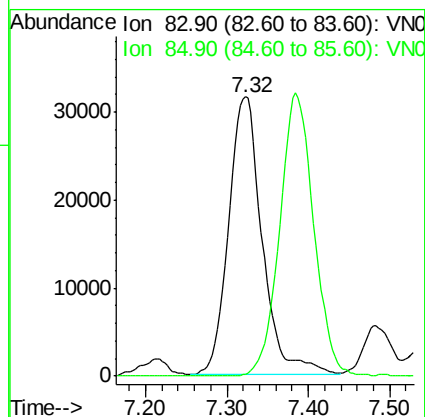
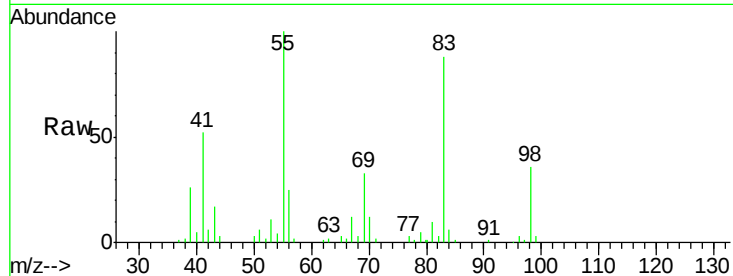




#30
Chloroform
Concen: 6.634 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.05 min
Lab File: VN053679.D
Acq: 8 Feb 2019 14:10

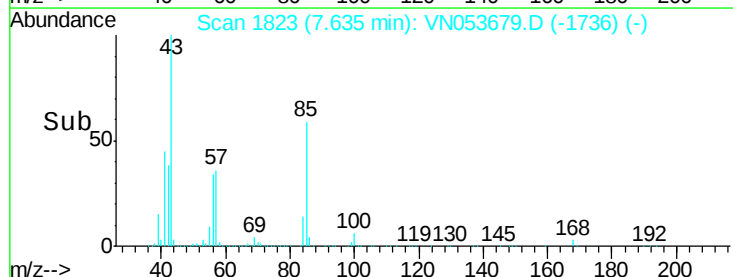
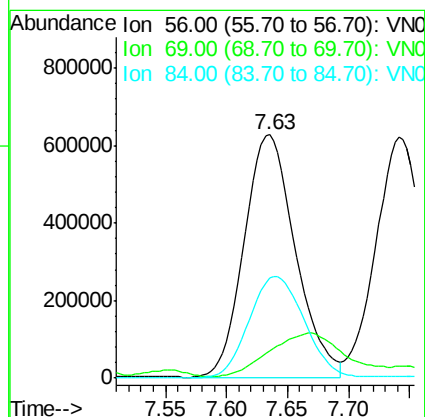
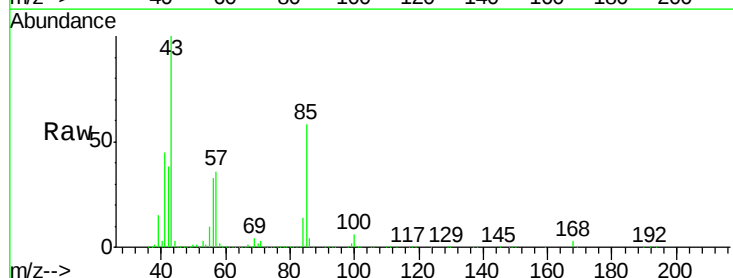
Instrument :
MSVOA_N
ClientSampled :
SB-09(13-16)ME

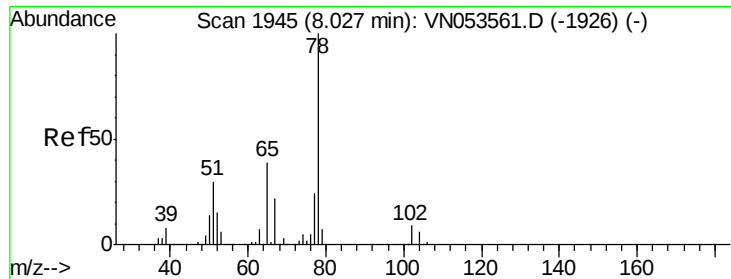
Tot Ion: 83 Resp: 91031
Ion Ratio Lower Upper
83 100
85 0.8 52.2 78.2#



#31
Cyclohexane
Concen: 141.266 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.02 min
Lab File: VN053679.D
Acq: 8 Feb 2019 14:10

Tgt Ion: 56 Resp: 1816537
Ion Ratio Lower Upper
56 100
69 9.4 26.4 39.6#
84 41.4 67.9 101.9#

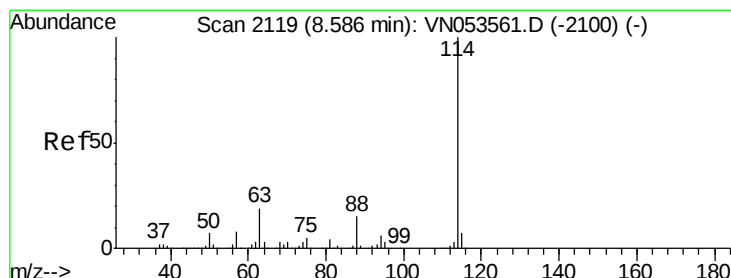
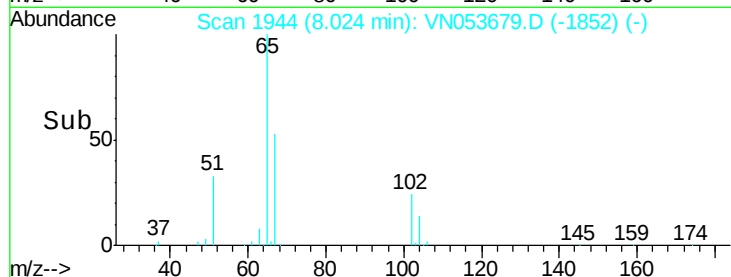
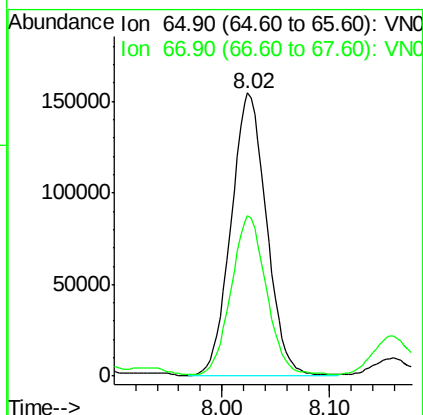
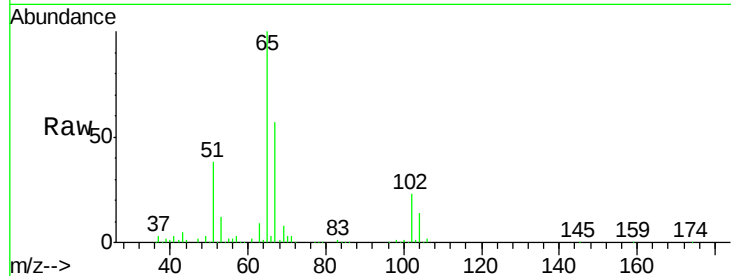




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053679.D
 Acq: 8 Feb 2019 14:10

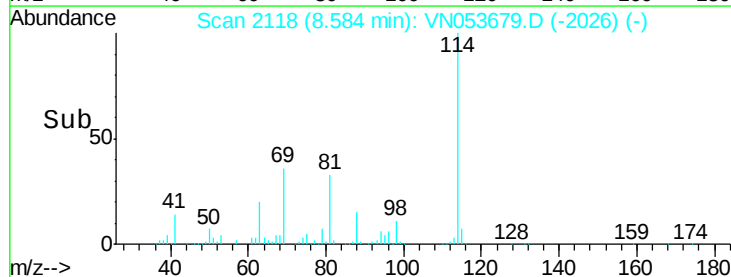
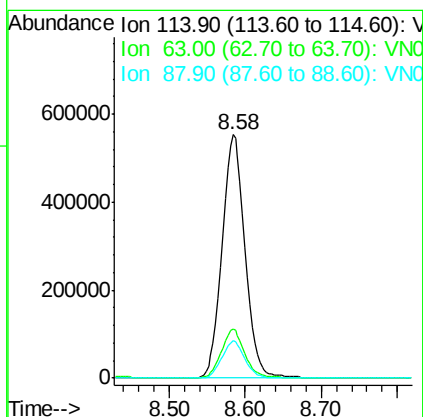
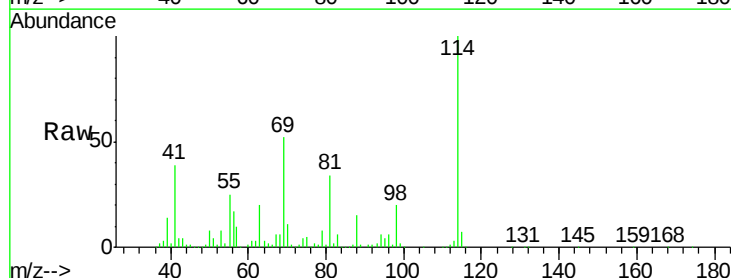
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-09(13-16)ME

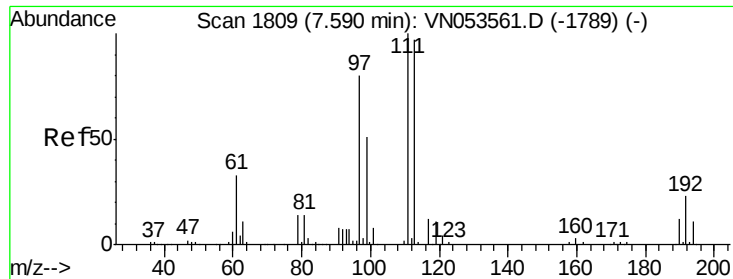
Tot Ion: 65 Resp: 352655
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053679.D
 Acq: 8 Feb 2019 14:10

Tgt Ion: 114 Resp: 1163997
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 38.6
 88 15.2 0.0 30.4

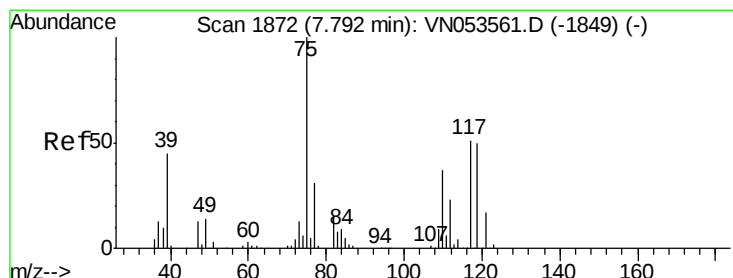
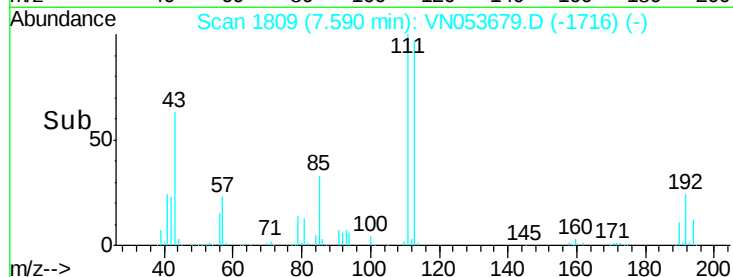
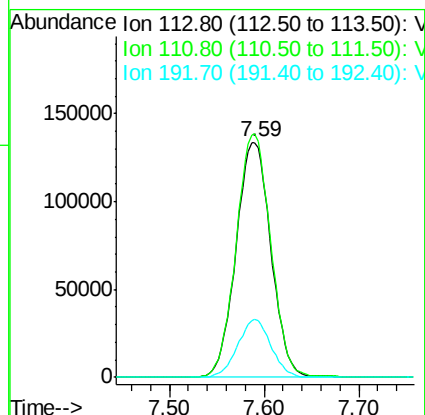
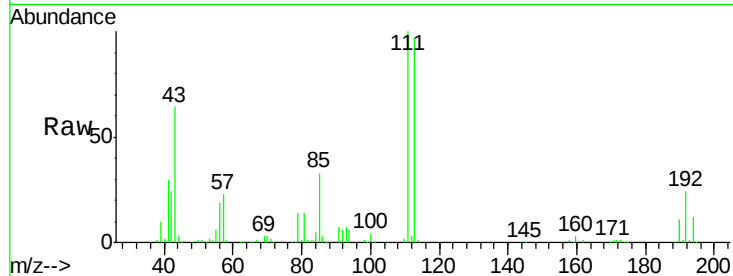




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053679.D
Acq: 8 Feb 2019 14:10

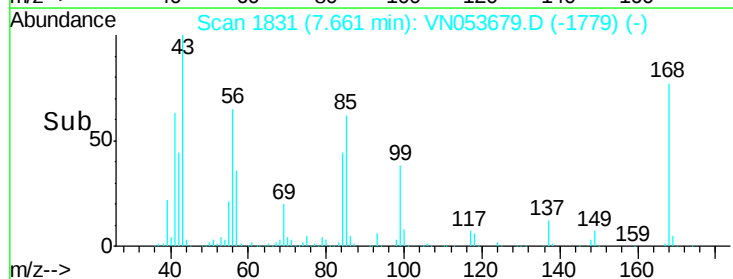
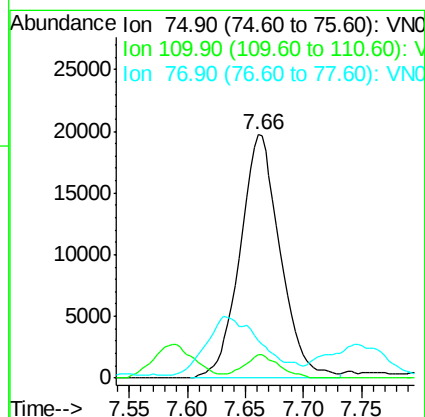
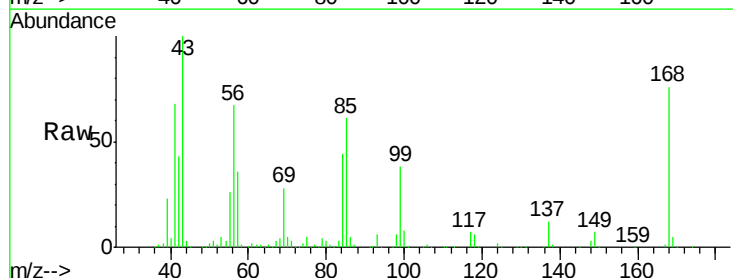
Instrument :
MSVOA_N
ClientSampleId :
SB-09(13-16)ME

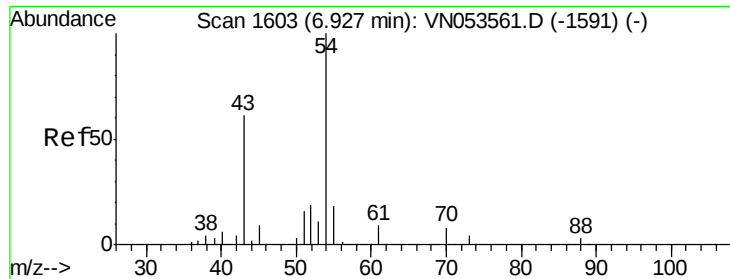
Tot Ion:113 Resp: 343163
Ion Ratio Lower Upper
113 100
111 102.8 81.1 121.7
192 23.5 18.2 27.2



#36
1,1-Dichloropropene
Concen: 4.527 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. -0.13 min
Lab File: VN053679.D
Acq: 8 Feb 2019 14:10

Tgt Ion: 75 Resp: 47499
Ion Ratio Lower Upper
75 100
110 8.5 18.1 54.3#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 8.949 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. -0.11 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

SB-09(13-16)ME

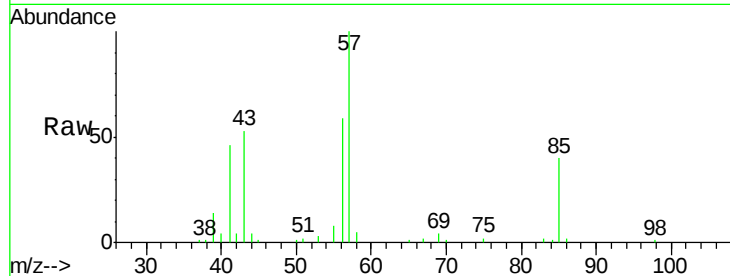
Tot Ion: 43 Resp: 52444

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

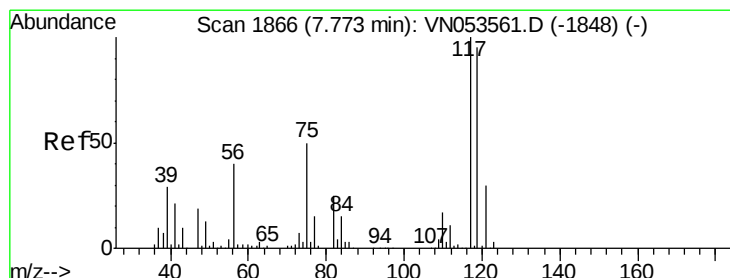
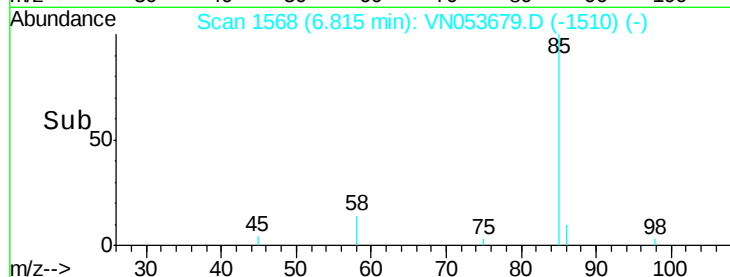
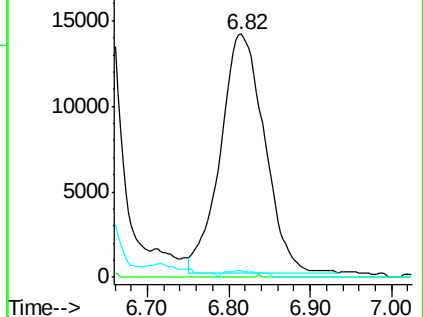
70 1.3 8.6 12.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0



#38

Carbon Tetrachloride

Concen: 5.803 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

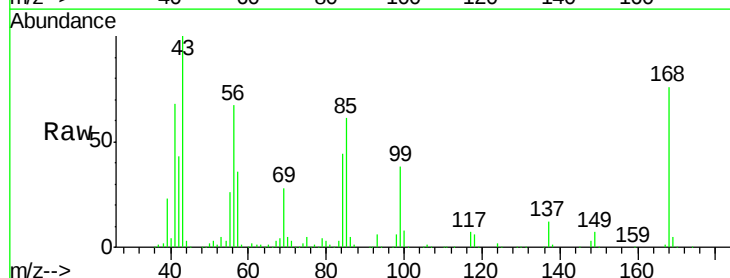
Tgt Ion: 117 Resp: 61335

Ion Ratio Lower Upper

117 100

119 4.8 77.2 115.8#

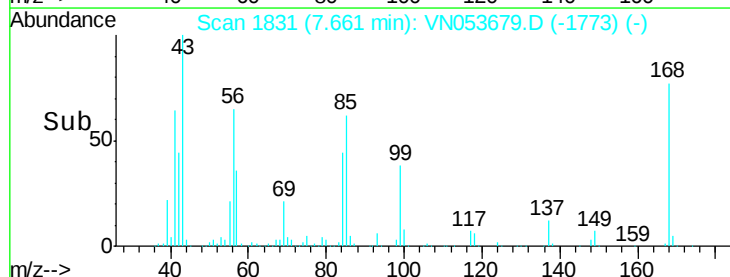
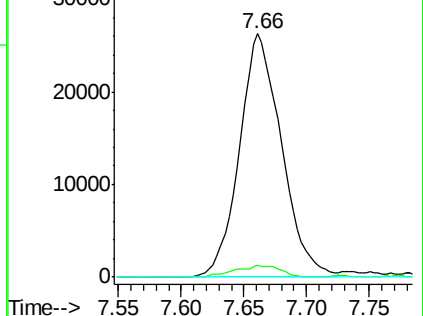
121 0.0 24.6 37.0#

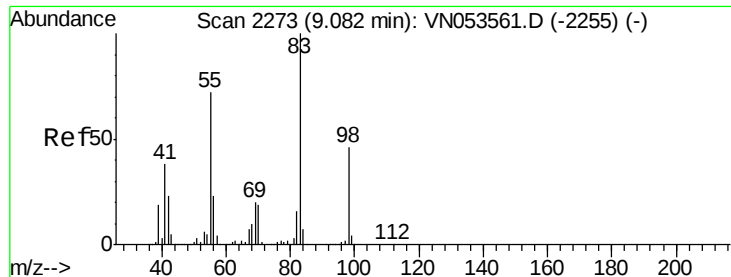


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

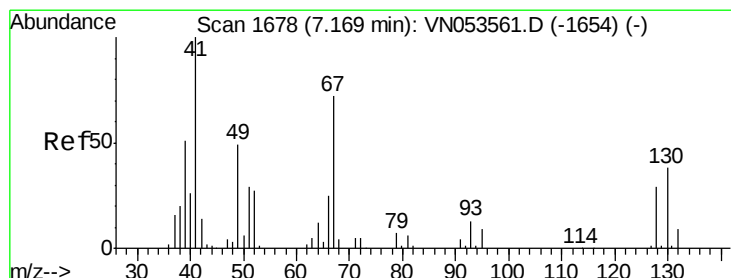
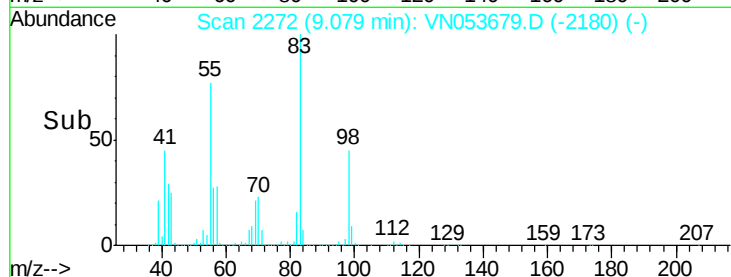
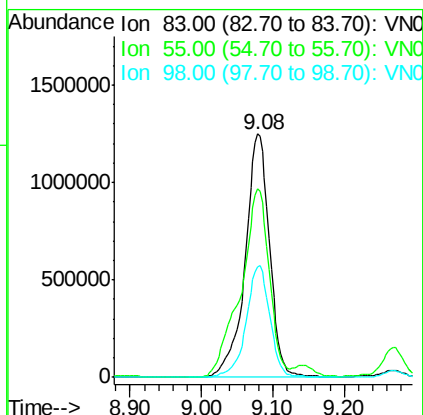
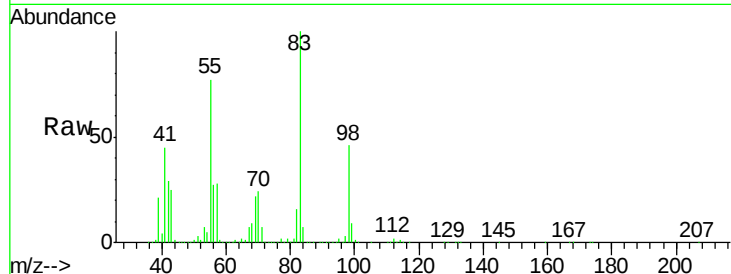




#39
Methvlcvclohexane
Concen: 238.630 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053679.D
Acq: 8 Feb 2019 14:10

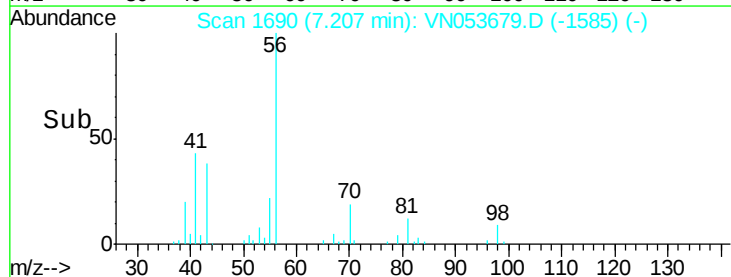
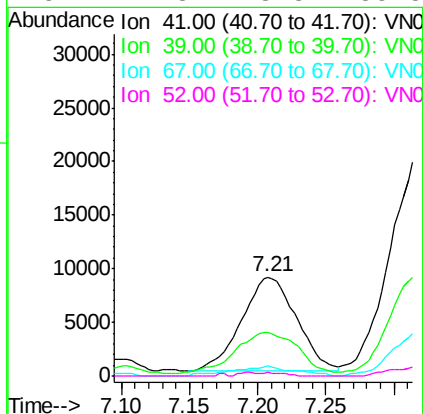
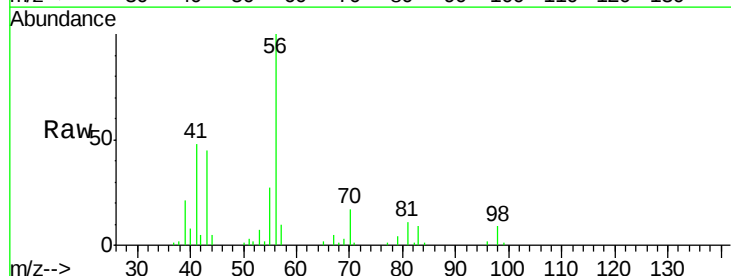
Instrument :
MSVOA_N
ClientSampleId :
SB-09(13-16)ME

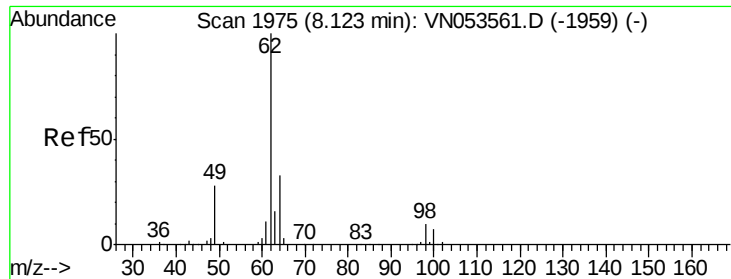
Tot Ion: 83 Resp: 2970591
Ion Ratio Lower Upper
83 100
55 77.3 60.1 90.1
98 45.5 36.6 55.0



#41
Methacrylonitrile
Concen: 7.511 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.04 min
Lab File: VN053679.D
Acq: 8 Feb 2019 14:10

Tgt Ion: 41 Resp: 24601
Ion Ratio Lower Upper
41 100
39 50.6 46.8 70.2
67 11.8 63.0 94.6#
52 1.3 23.8 35.8#





#42

1,2-Dichloroethane

Concen: 0.591 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.03 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

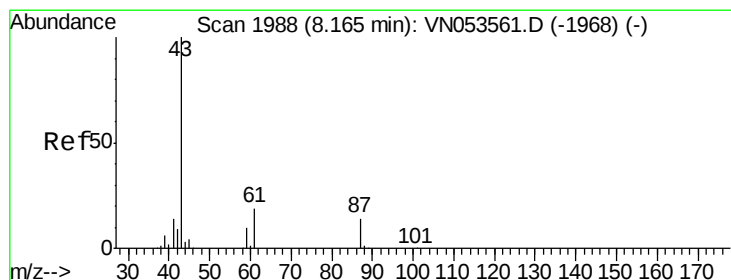
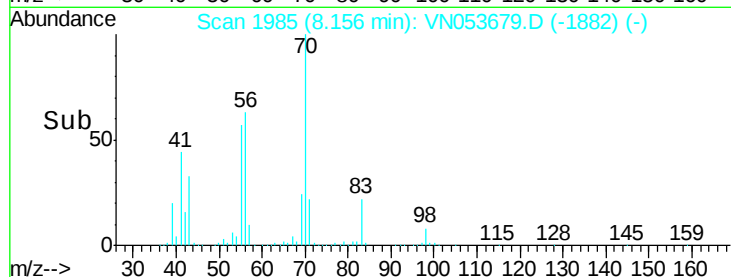
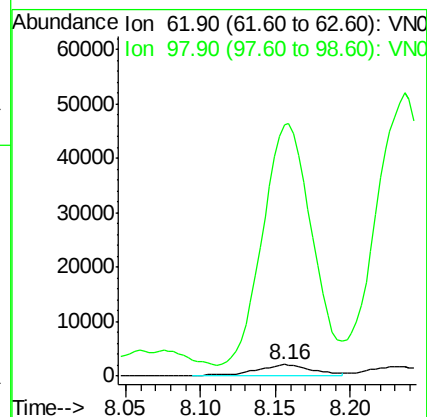
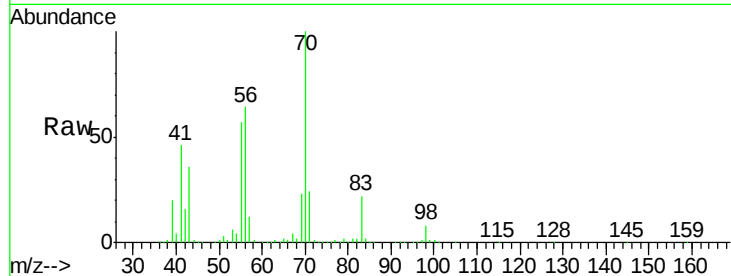
SB-09(13-16)ME

Tot Ion: 62 Resp: 5674

Ion Ratio Lower Upper

62 100

98 1761.7 0.0 19.6#



#43

Isopropyl Acetate

Concen: 50.808 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.02 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

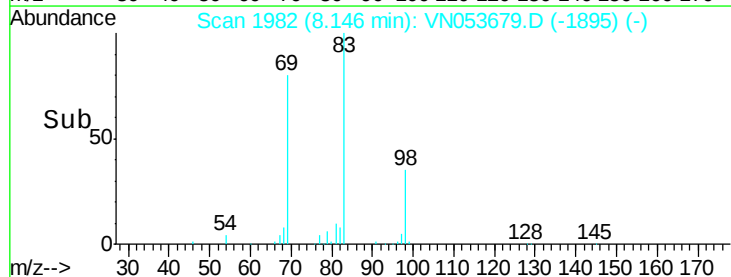
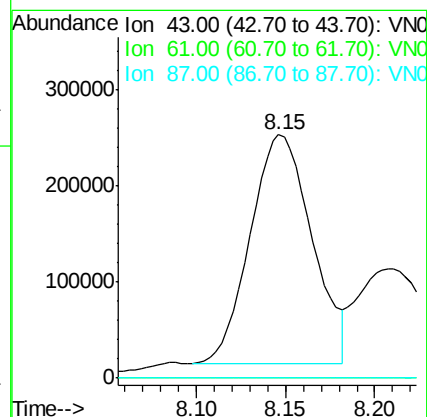
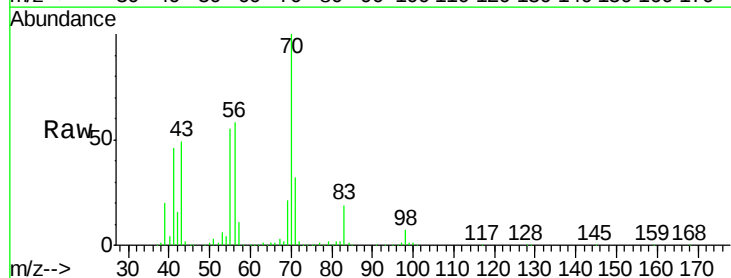
Tgt Ion: 43 Resp: 575009

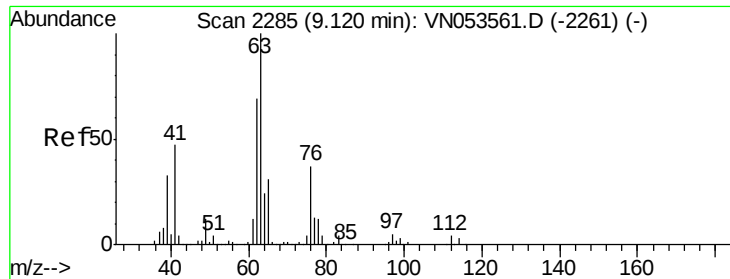
Ion Ratio Lower Upper

43 100

61 0.4 23.9 35.9#

87 0.0 11.0 16.6#





#45

1,2-Dichloropropane

Concen: 0.283 ug/l

RT: 9.14 min Scan# 2291

Delta R.T. 0.02 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

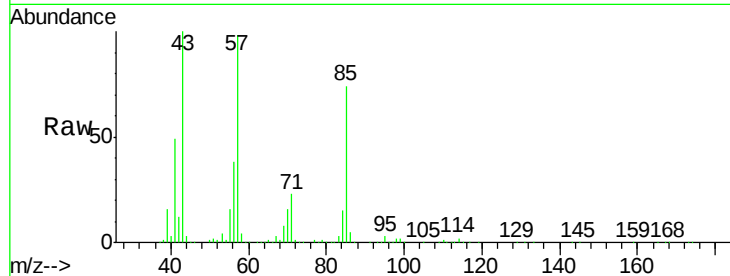
SB-09(13-16)ME

Tot Ion: 63 Resp: 2341

Ion Ratio Lower Upper

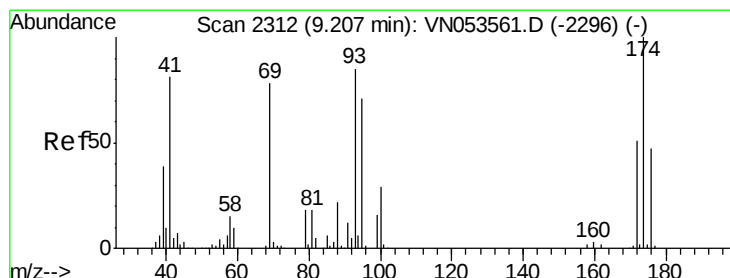
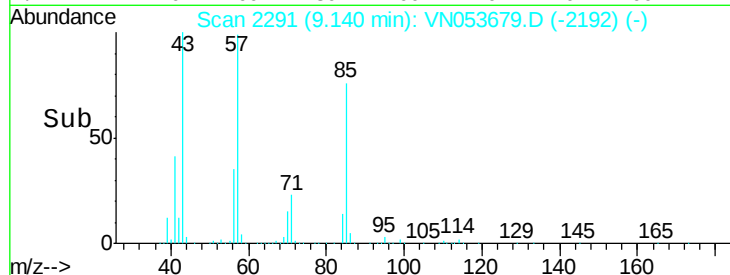
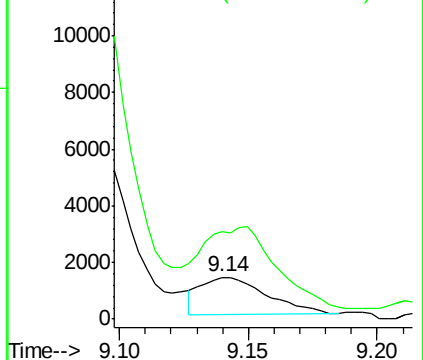
63 100

65 207.3 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 0.905 ug/l

RT: 9.15 min Scan# 2295

Delta R.T. -0.05 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

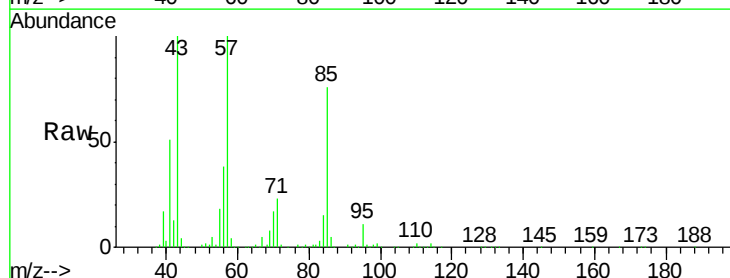
Tgt Ion: 93 Resp: 4517

Ion Ratio Lower Upper

93 100

95 1361.2 67.3 100.9#

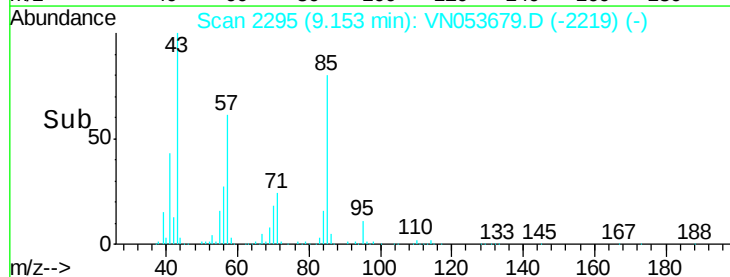
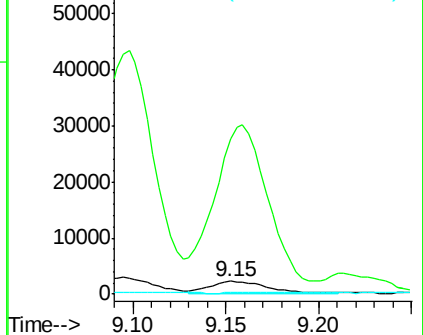
174 13.2 91.0 136.4#

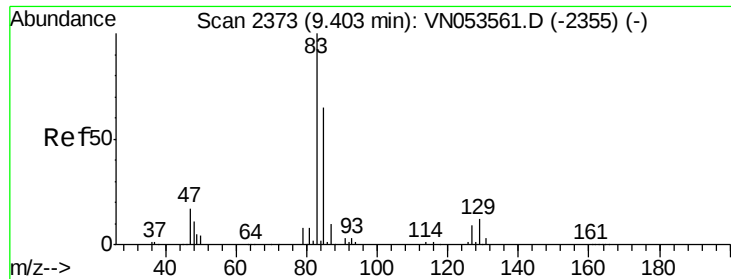


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 13.840 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.02 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

SB-09(13-16)ME

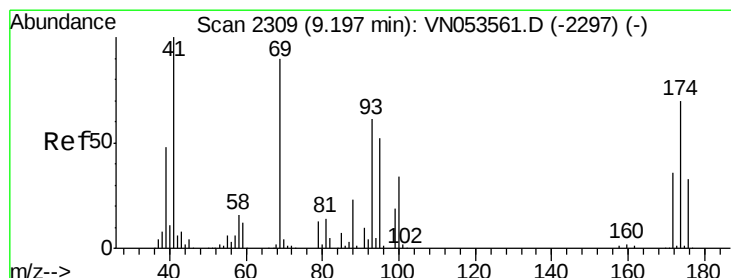
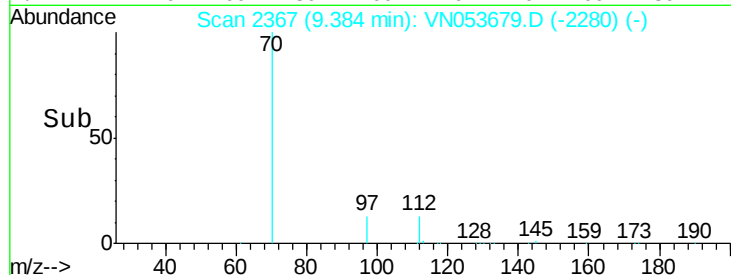
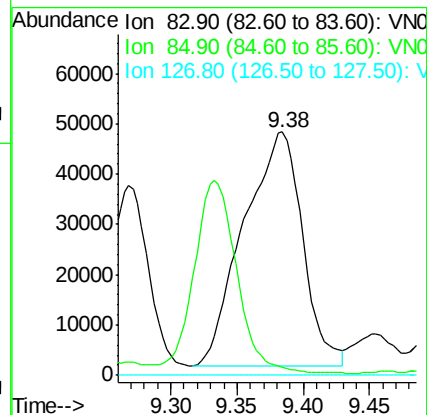
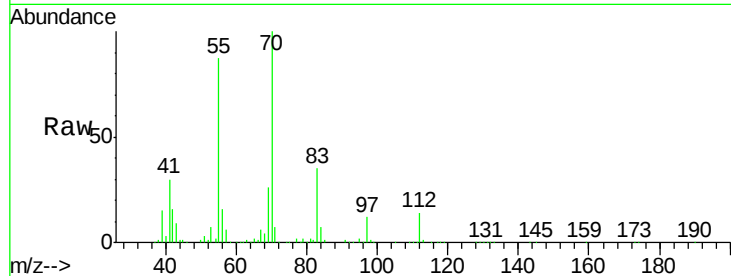
Tot Ion: 83 Resp: 143564

Ion Ratio Lower Upper

83 100

85 2.1 51.0 76.6#

127 0.0 7.0 10.6#



#48

Methyl methacrylate

Concen: 65.329 ug/l

RT: 9.14 min Scan# 2291

Delta R.T. -0.06 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

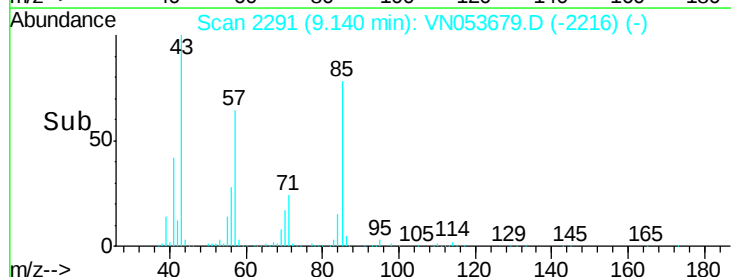
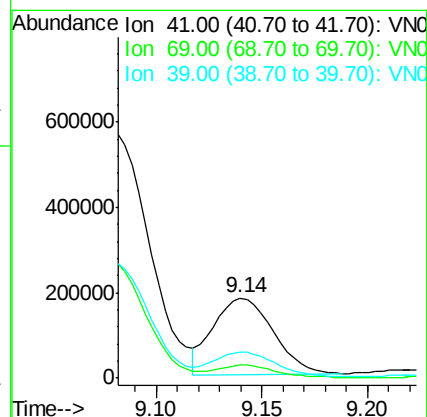
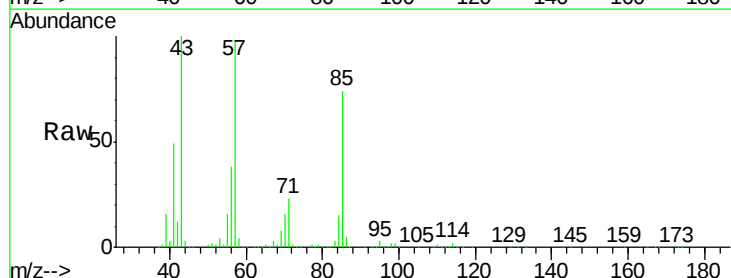
Tgt Ion: 41 Resp: 352923

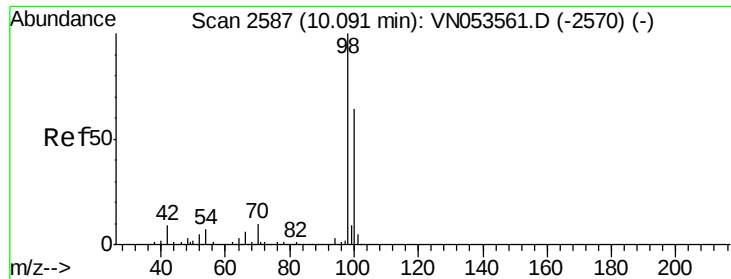
Ion Ratio Lower Upper

41 100

69 14.6 73.8 110.6#

39 35.3 40.0 60.0#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

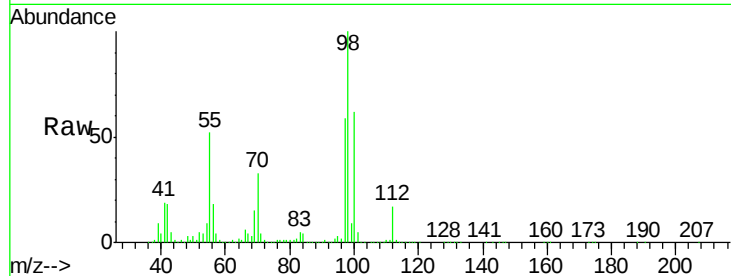
SB-09(13-16)ME

Tot Ion: 98 Resp: 1532209

Ion Ratio Lower Upper

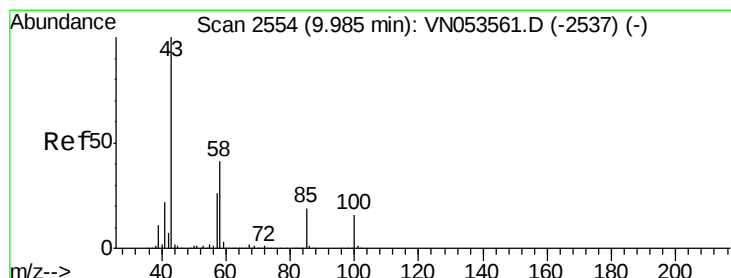
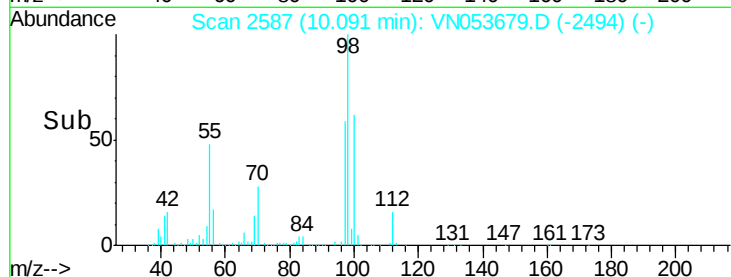
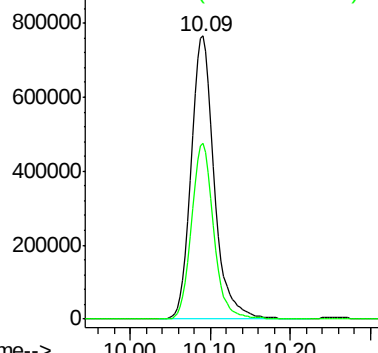
98 100

100 59.7 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 481.154 ug/l

RT: 9.87 min Scan# 2518

Delta R.T. -0.12 min

Lab File: VN053679.D

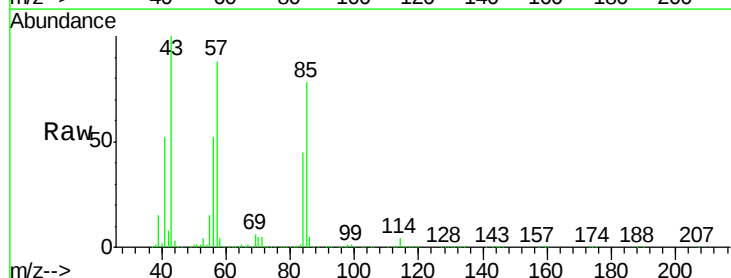
Acq: 8 Feb 2019 14:10

Tgt Ion: 43 Resp: 2675871

Ion Ratio Lower Upper

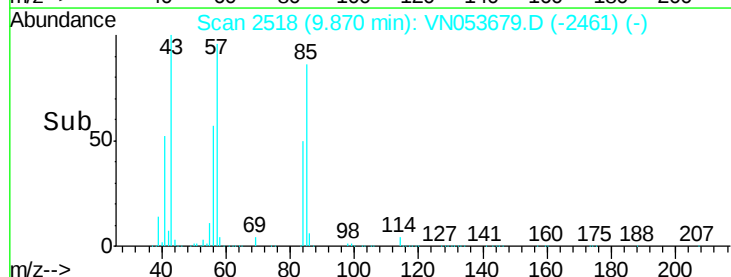
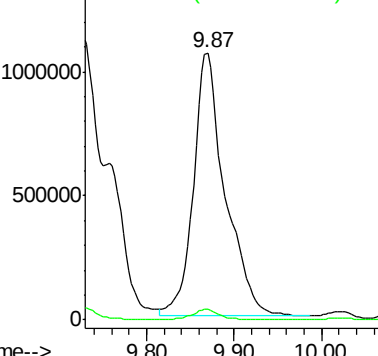
43 100

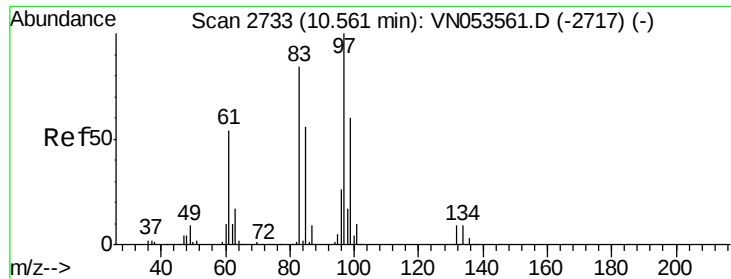
58 3.3 32.8 49.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#55

1,1,2-Trichloroethane

Concen: 107.497 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.03 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

SB-09(13-16)ME

Tot Ion: 97 Resp: 743866

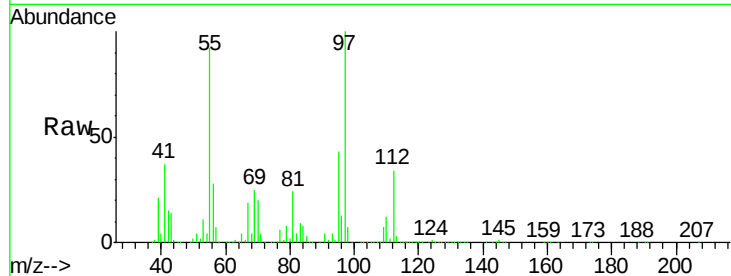
Ion Ratio Lower Upper

97 100

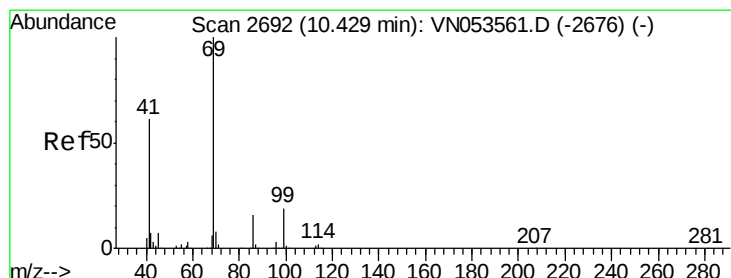
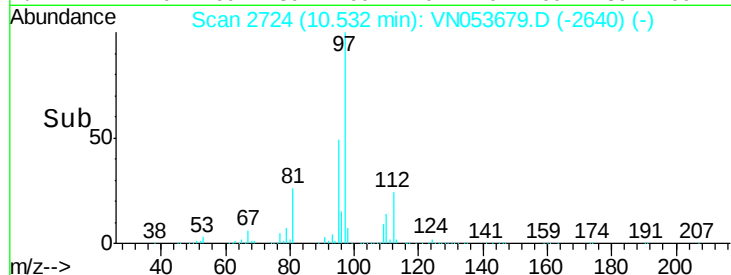
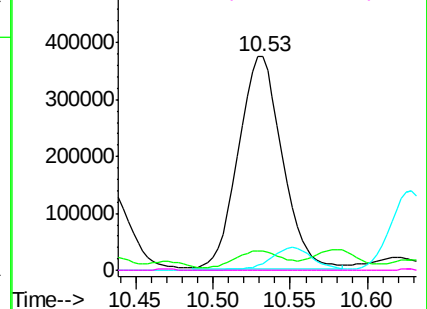
83 7.4 70.1 105.1#

85 3.3 45.4 68.0#

99 0.3 49.8 74.8#



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 82.90 (82.60 to 83.60): VNC
Ion 84.90 (84.60 to 85.60): VNC
Ion 98.90 (98.60 to 99.60): VNC



#56

Ethyl methacrylate

Concen: 2.847 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

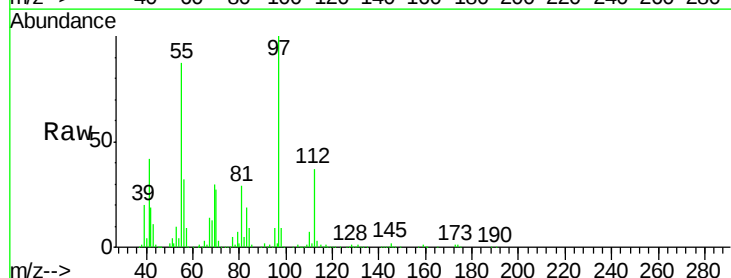
Tgt Ion: 69 Resp: 23307

Ion Ratio Lower Upper

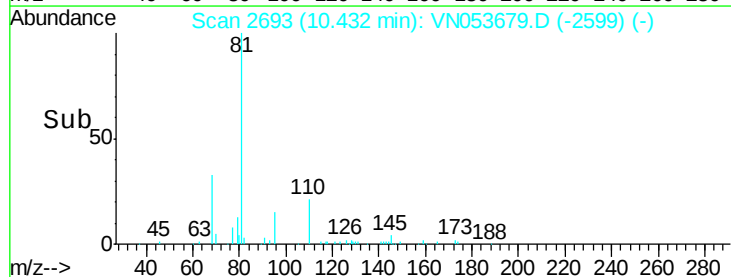
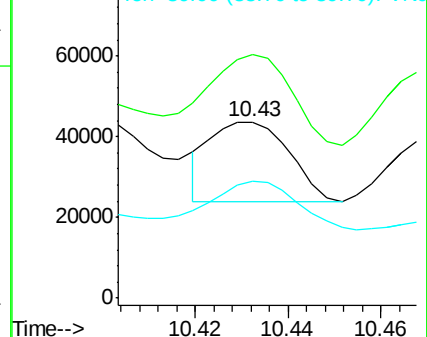
69 100

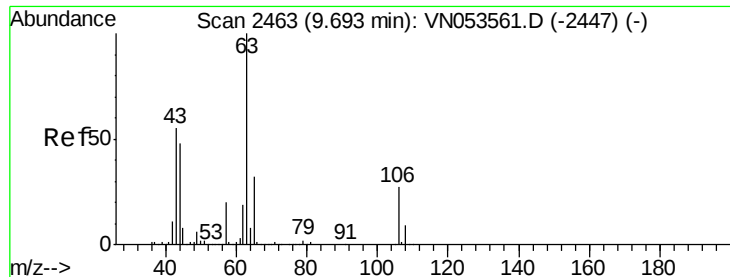
41 0.0 49.4 74.0#

39 64.5 23.3 34.9#



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





#58

2-Chloroethyl Vinyl ether

Concen: 8.083 ug/l

RT: 9.43 min Scan# 2381

Delta R.T. -0.26 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

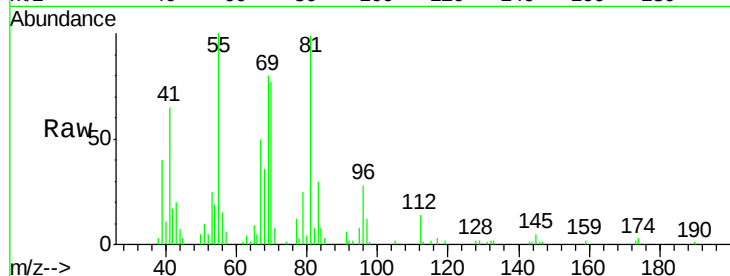
SB-09(13-16)ME

Tot Ion: 63 Resp: 388

Ion Ratio Lower Upper

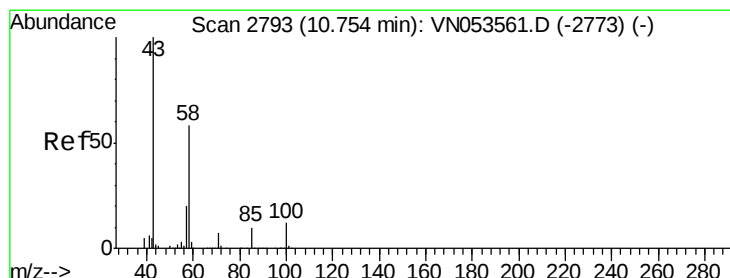
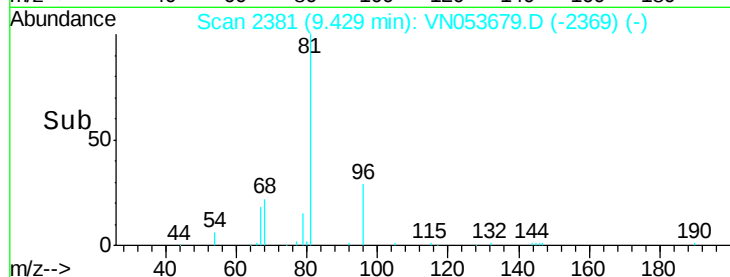
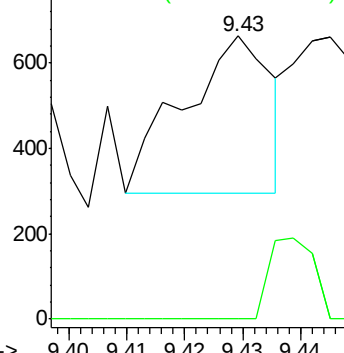
63 100

106 26.3 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



#59

2-Hexanone

Concen: 117.014 ug/l

RT: 10.72 min Scan# 2782

Delta R.T. -0.04 min

Lab File: VN053679.D

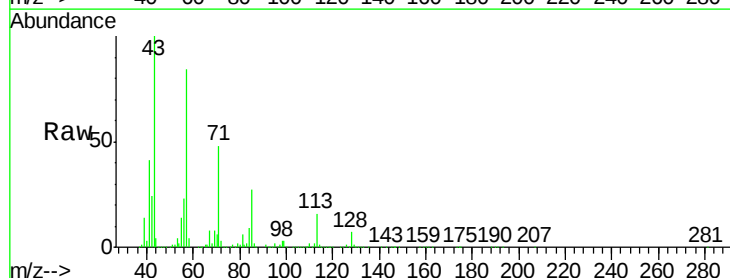
Acq: 8 Feb 2019 14:10

Tgt Ion: 43 Resp: 441780

Ion Ratio Lower Upper

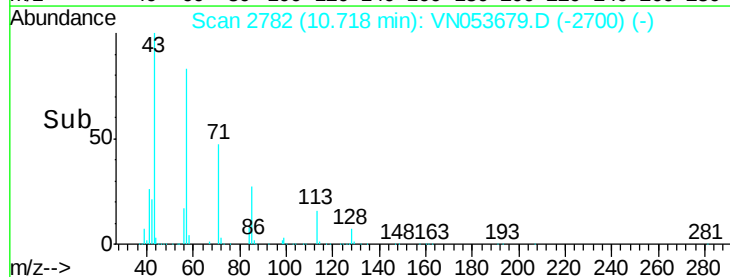
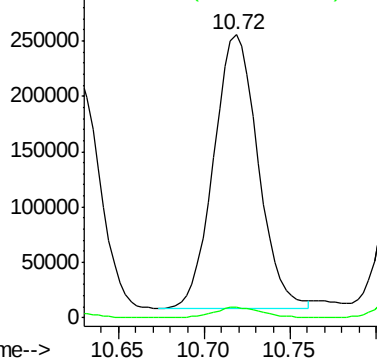
43 100

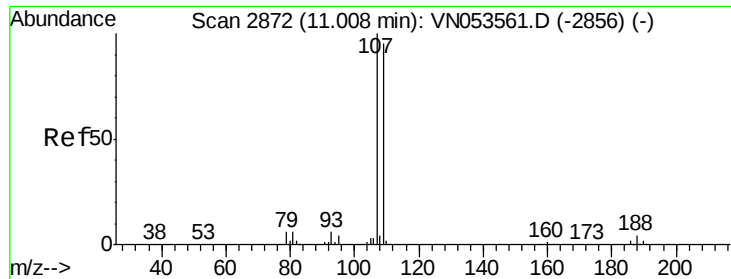
58 4.0 28.6 85.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#61

1,2-Dibromoethane

Concen: 0.560 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. -0.03 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

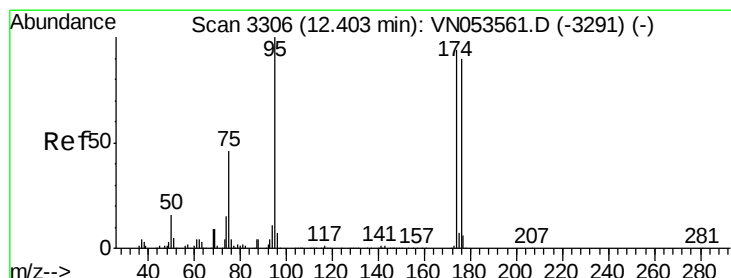
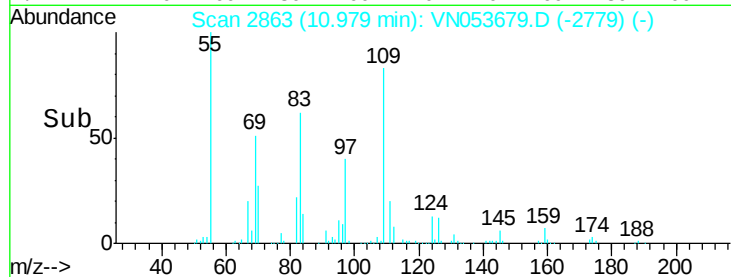
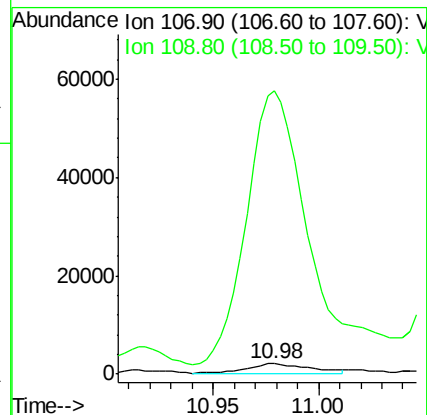
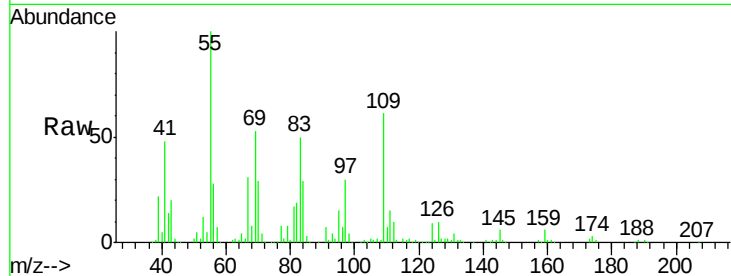
SB-09(13-16)ME

Tot Ion:107 Resp: 3835

Ion Ratio Lower Upper

107 100

109 3043.8 75.7 113.5#



#62

4-Bromofluorobenzene

Concen: 0.560 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

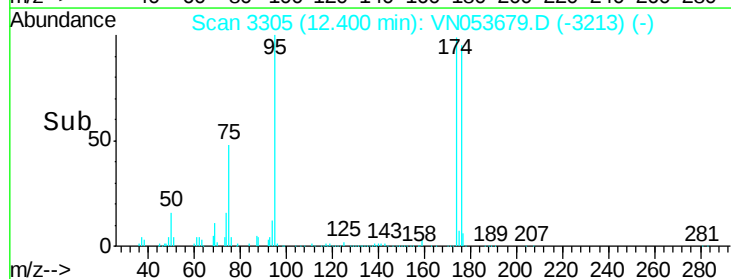
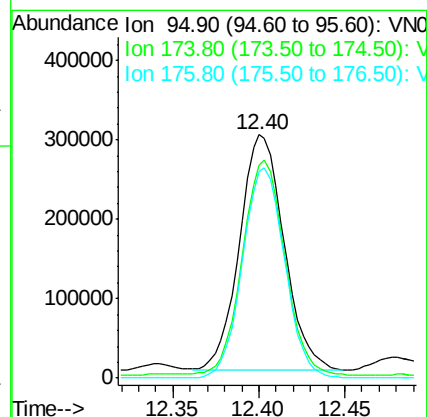
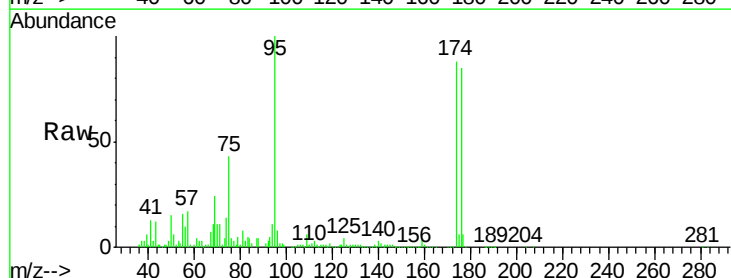
Tgt Ion: 95 Resp: 532985

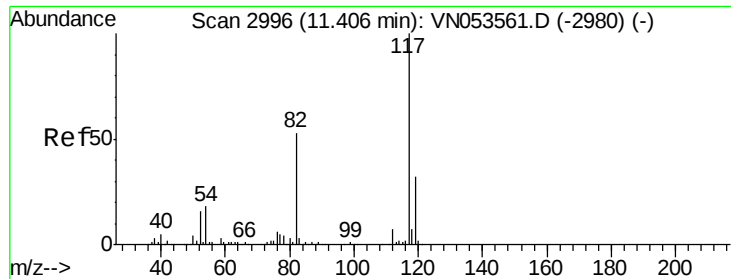
Ion Ratio Lower Upper

95 100

174 89.8 0.0 183.2

176 85.3 0.0 177.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

SB-09(13-16)ME

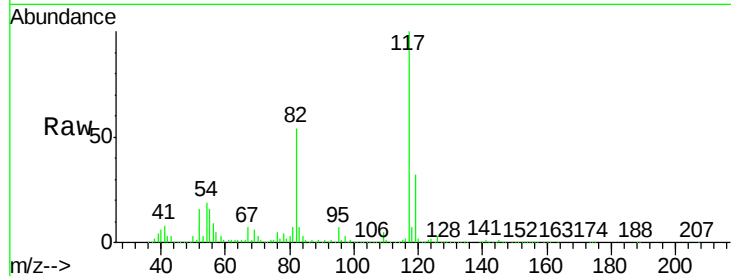
Tot Ion:117 Resp: 1080123

Ion Ratio Lower Upper

117 100

82 50.1 42.9 64.3

119 31.9 26.0 39.0

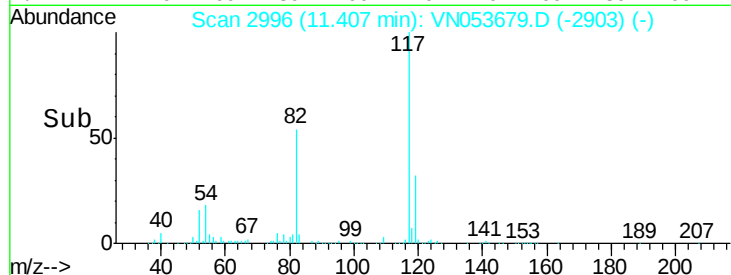


Abundance Ion 116.90 (116.60 to 117.60): V

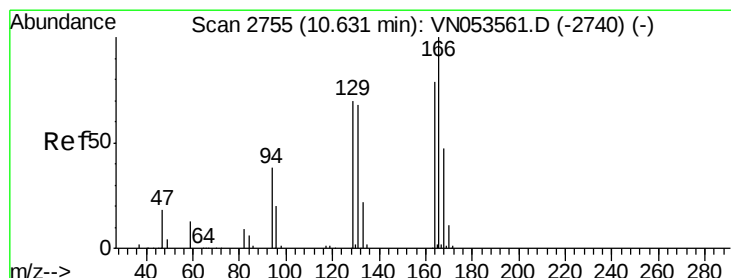
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

Time-->



Time-->



#64

Tetrachloroethene

Concen: 0.353 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

Tgt Ion:164 Resp: 3273

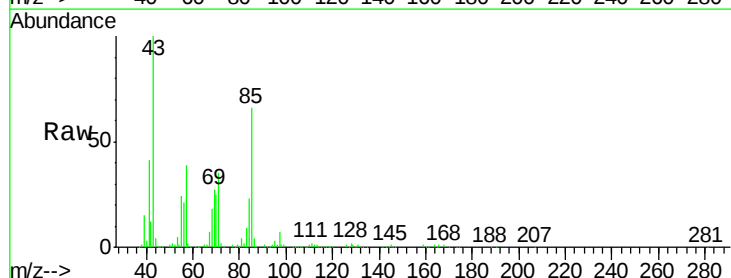
Ion Ratio Lower Upper

164 100

166 136.5 102.2 153.4

129 118.1 72.6 109.0#

131 82.0 69.5 104.3



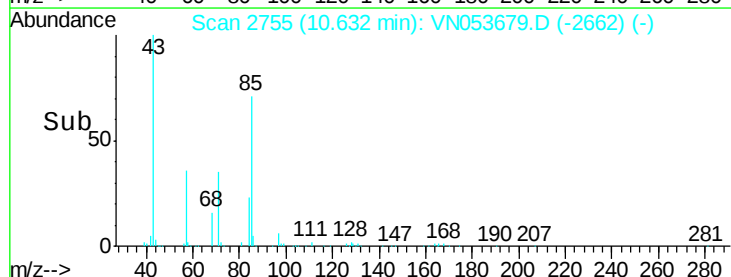
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

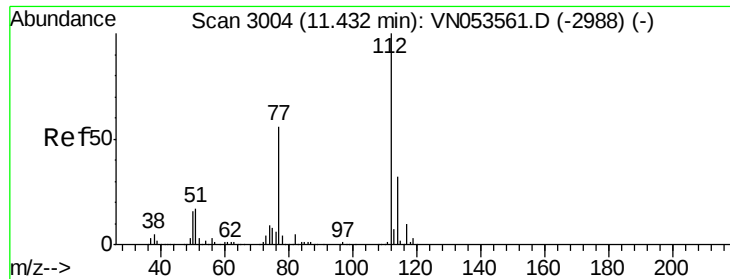
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



Time-->



#65

Chlorobenzene

Concen: 0.424 ug/l

RT: 11.54 min Scan# 3038

Delta R.T. 0.11 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

Instrument :

MSVOA_N

ClientSampled :

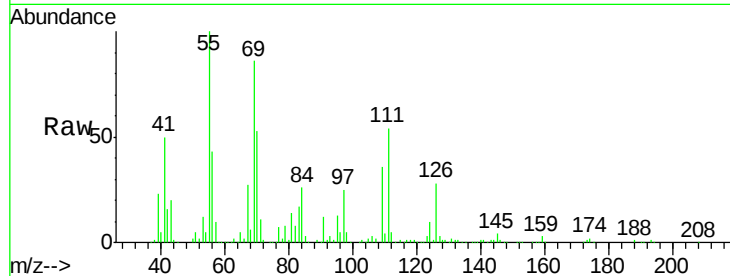
SB-09(13-16)ME

Tot Ion:112 Resp: 9732

Ion Ratio Lower Upper

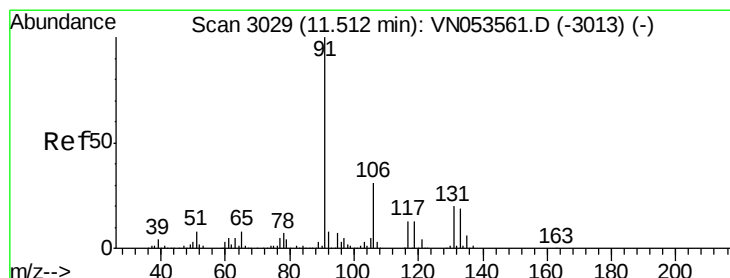
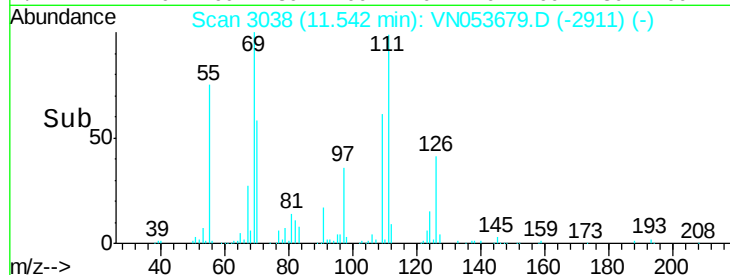
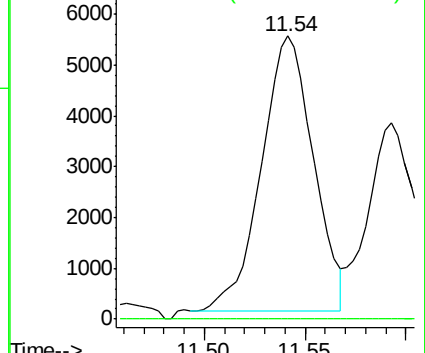
112 100

114 0.0 25.3 37.9#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#67

Ethyl Benzene

Concen: 5.680 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053679.D

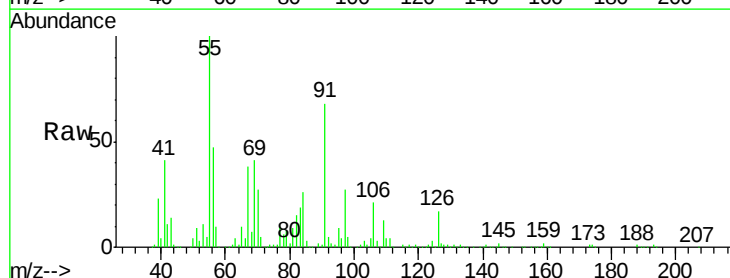
Acq: 8 Feb 2019 14:10

Tgt Ion: 91 Resp: 214085

Ion Ratio Lower Upper

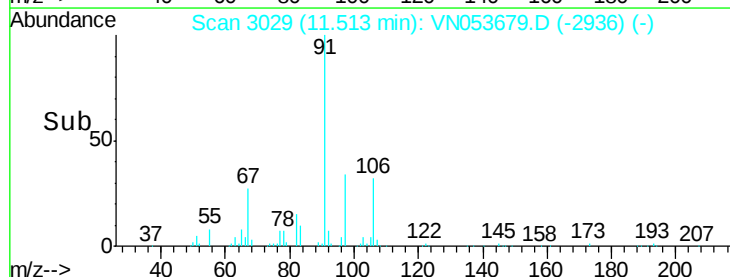
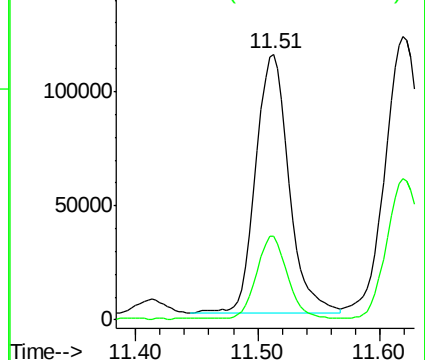
91 100

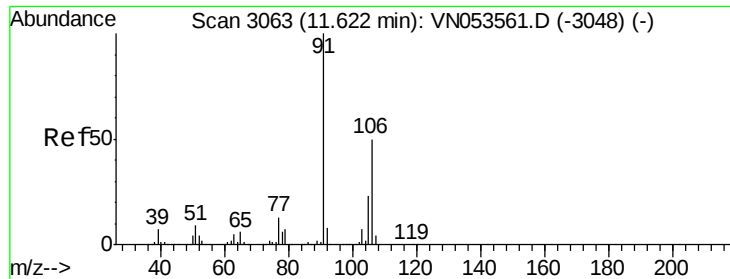
106 31.6 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

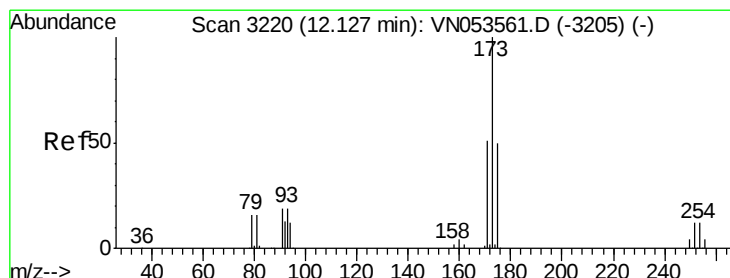
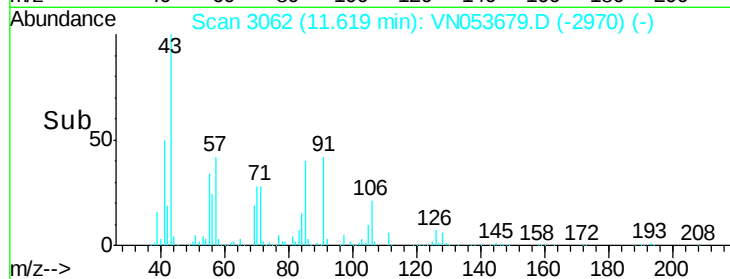
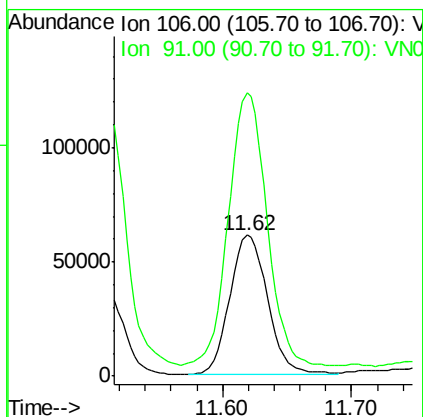
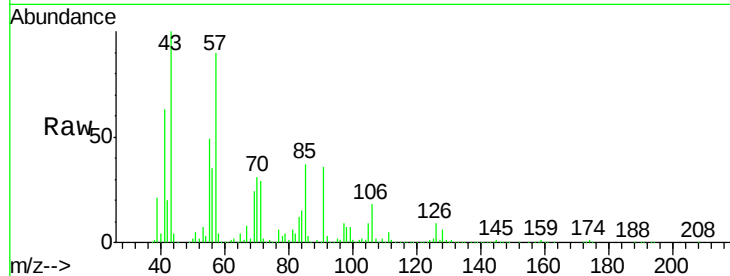




#68
m/p-Xvlenes
Concen: 8.727 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053679.D
Acq: 8 Feb 2019 14:10

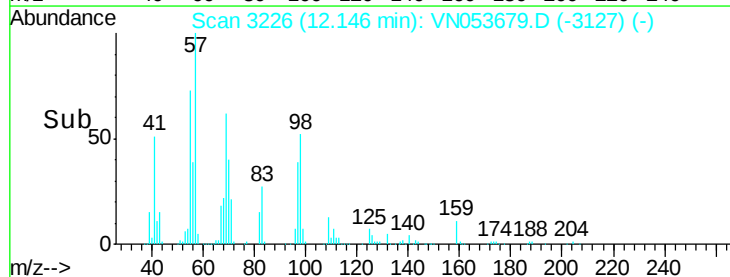
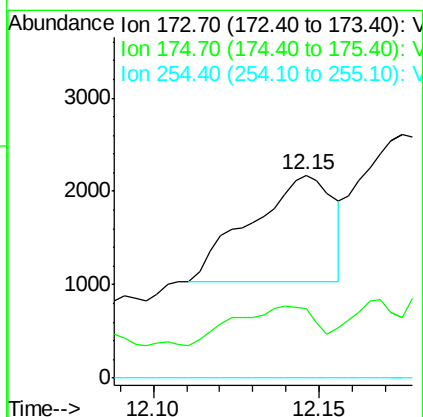
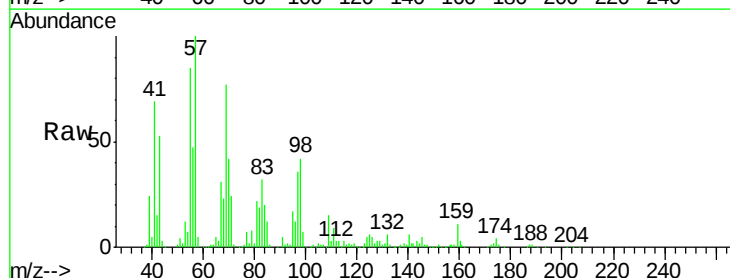
Instrument :
MSVOA_N
ClientSampleId :
SB-09(13-16)ME

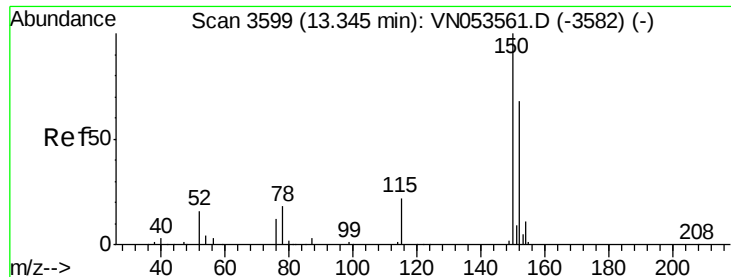
Tot Ion:106 Resp: 125537
Ion Ratio Lower Upper
106 100
91 196.8 161.4 242.2



#71
Bromoform
Concen: 0.362 ug/l
RT: 12.15 min Scan# 3226
Delta R.T. 0.02 min
Lab File: VN053679.D
Acq: 8 Feb 2019 14:10

Tgt Ion:173 Resp: 1988
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

SB-09(13-16)ME

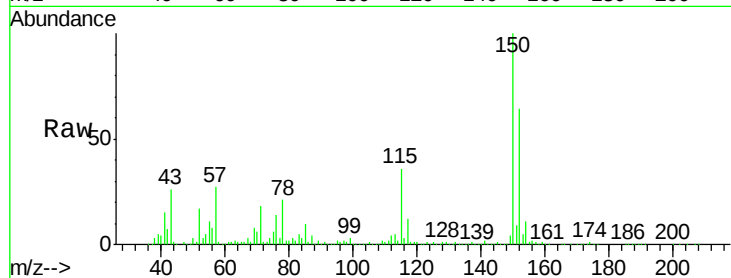
Tot Ion:152 Resp: 544575

Ion Ratio Lower Upper

152 100

115 56.6 27.8 83.4

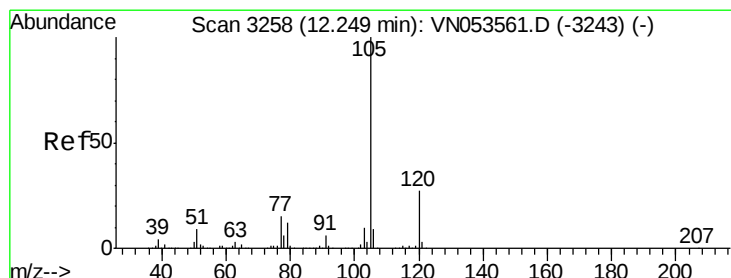
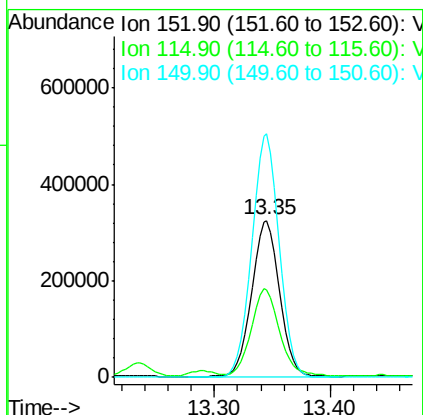
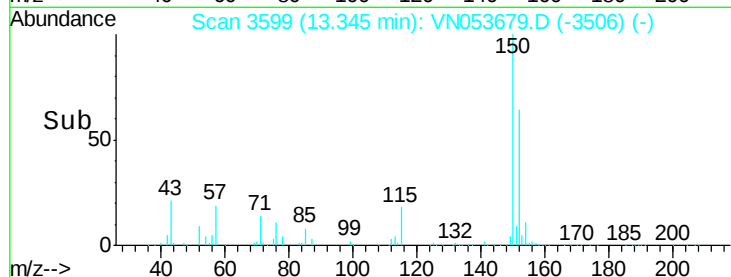
150 152.6 0.0 349.0



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



#73

Isopropylbenzene

Concen: 10.758 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053679.D

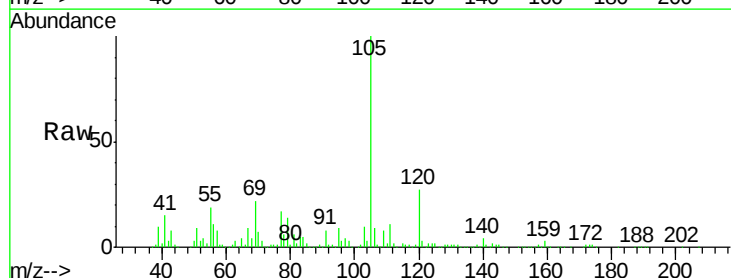
Acq: 8 Feb 2019 14:10

Tgt Ion:105 Resp: 411854

Ion Ratio Lower Upper

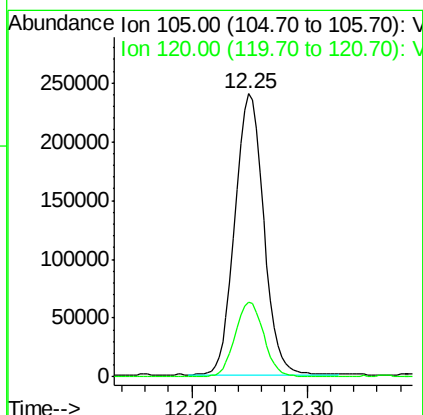
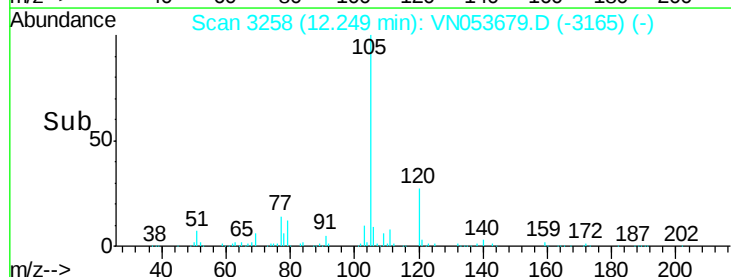
105 100

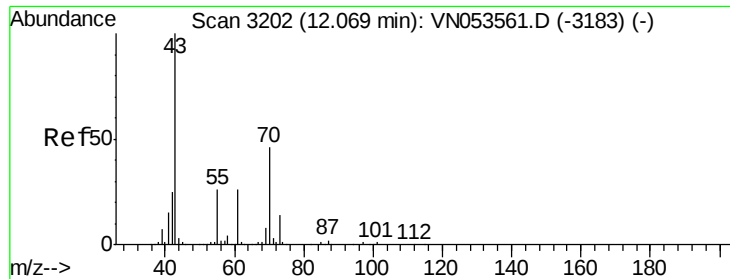
120 26.2 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 26.055 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

SB-09(13-16)ME

Tot Ion: 43 Resp: 239857

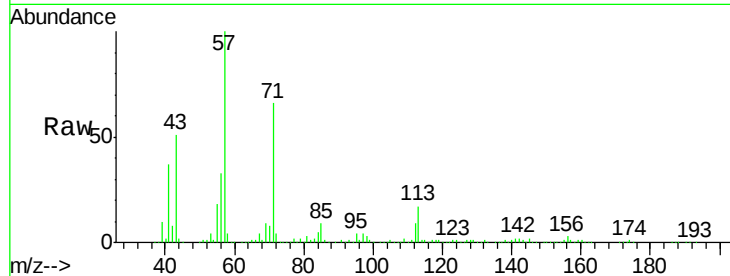
Ion Ratio Lower Upper

43 100

70 8.8 35.4 53.2#

55 6.3 20.9 31.3#

61 0.0 20.5 30.7#

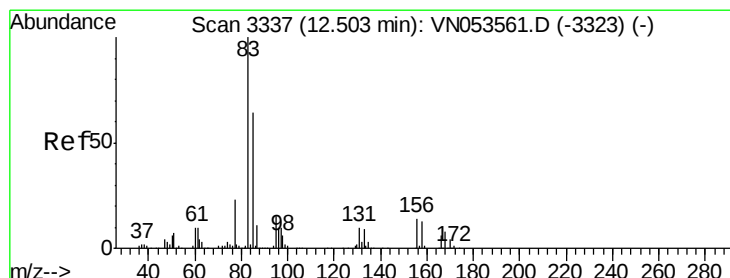
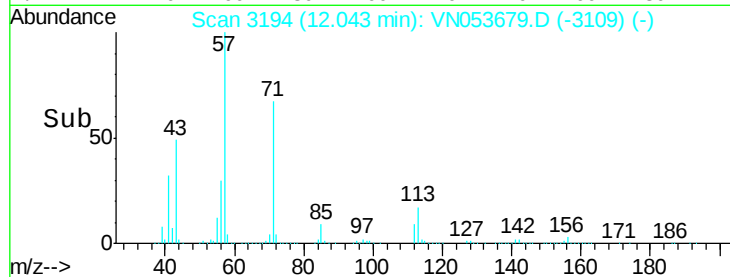
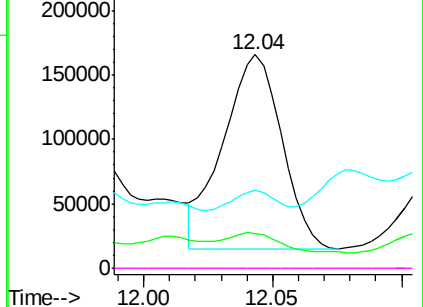


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.651 ug/l

RT: 12.49 min Scan# 3333

Delta R.T. -0.01 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

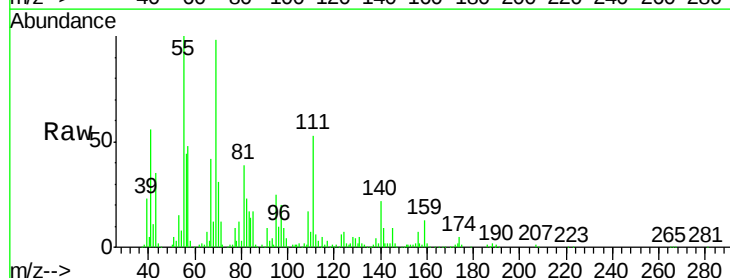
Tgt Ion: 83 Resp: 5964

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.8#

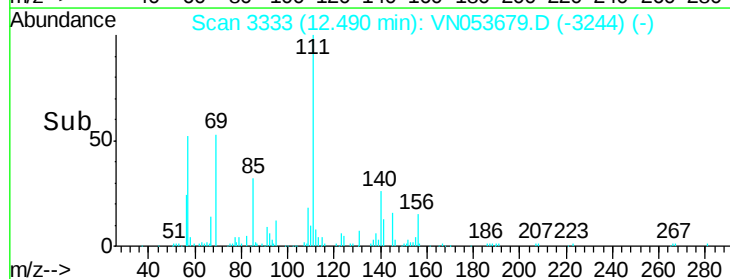
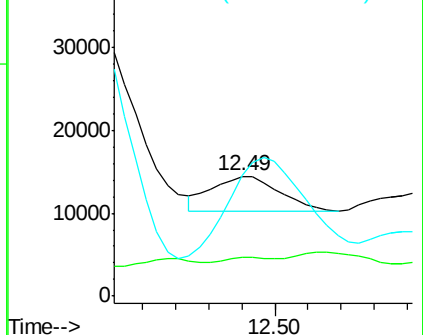
85 341.7 32.1 96.3#

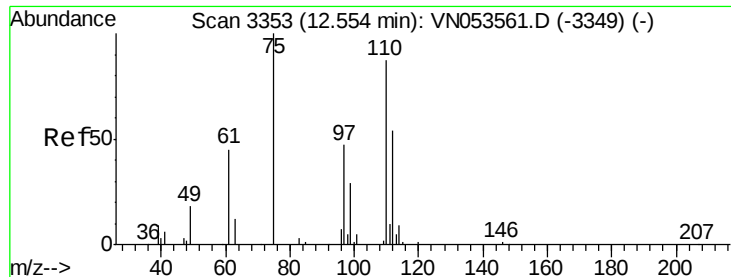


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 1.788 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.04 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

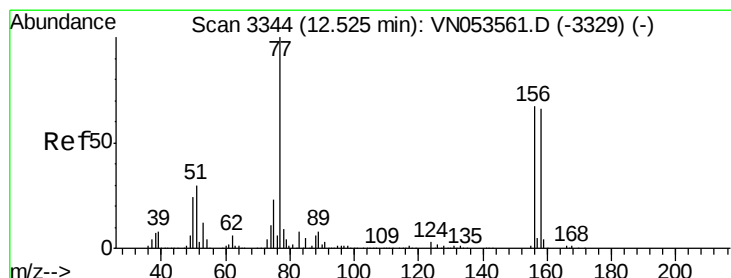
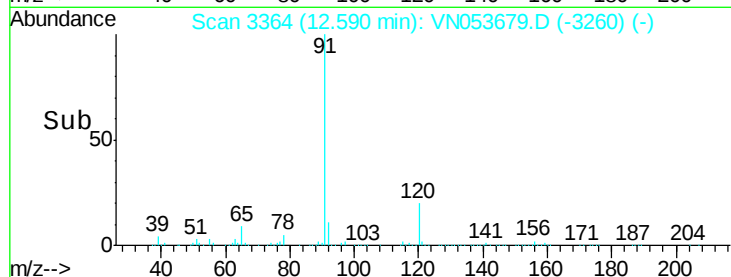
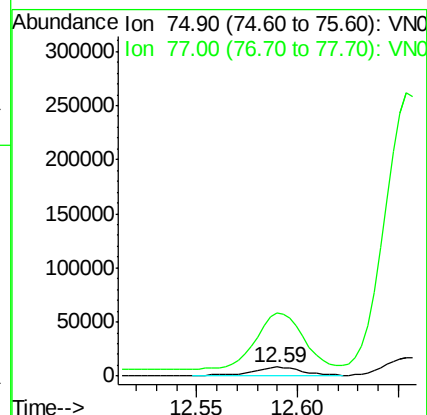
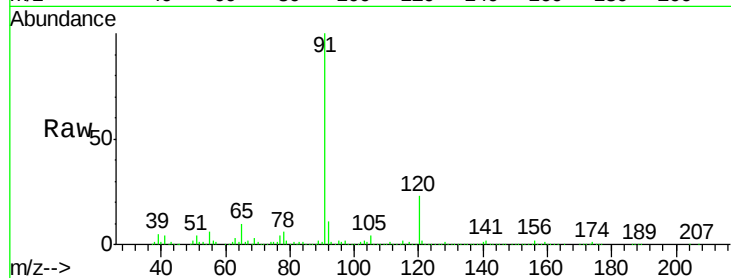
SB-09(13-16)ME

Tot Ion: 75 Resp: 12504

Ion Ratio Lower Upper

75 100

77 686.2 0.0 0.0#



#77

Bromobenzene

Concen: 14.549 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. 0.04 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

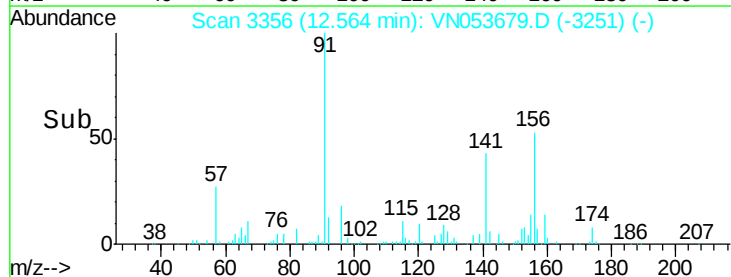
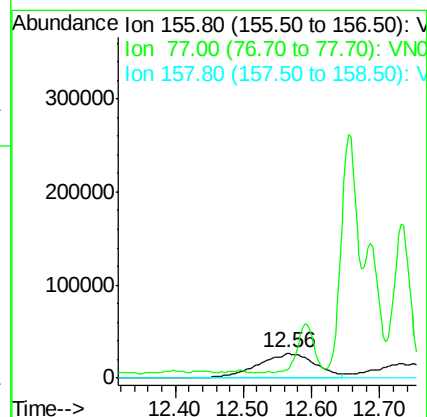
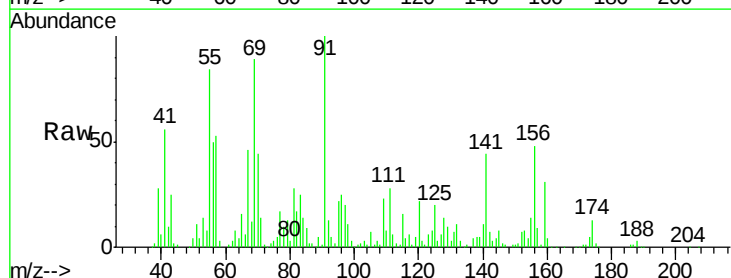
Tgt Ion: 156 Resp: 150112

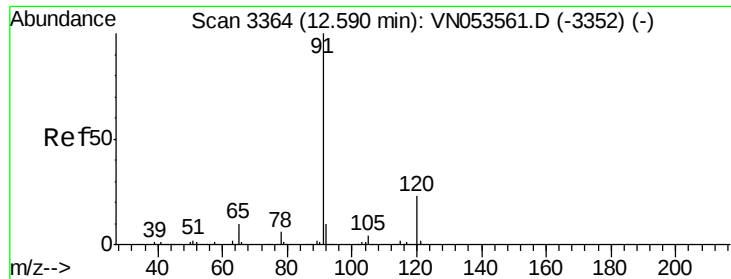
Ion Ratio Lower Upper

156 100

77 0.0 87.9 263.8#

158 0.3 48.8 146.4#





#78

n-propylbenzene

Concen: 51.581 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

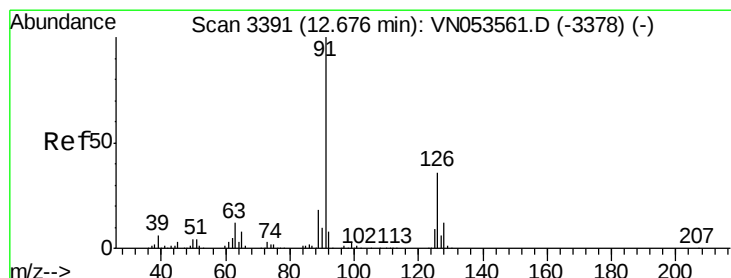
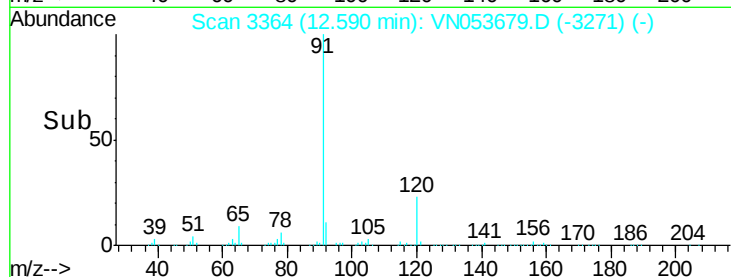
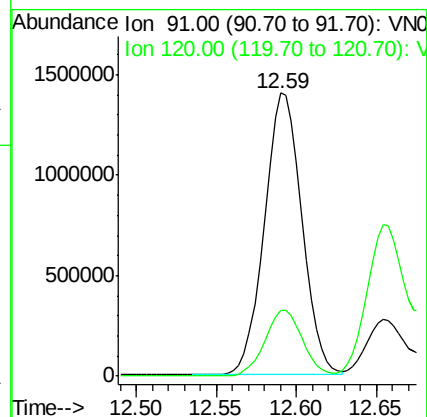
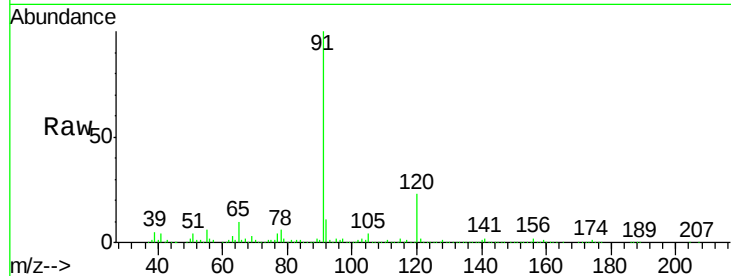
SB-09(13-16)ME

Tot Ion: 91 Resp: 2282732

Ion Ratio Lower Upper

91 100

120 23.5 11.9 35.5



#79

2-Chlorotoluene

Concen: 15.805 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN053679.D

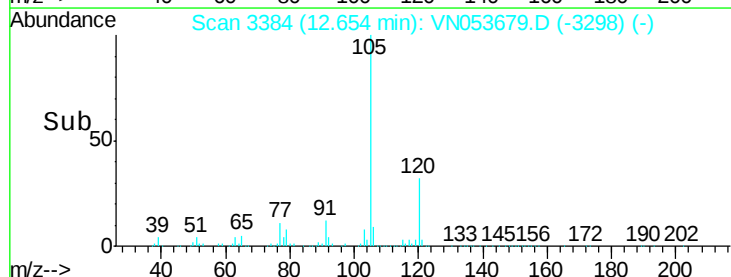
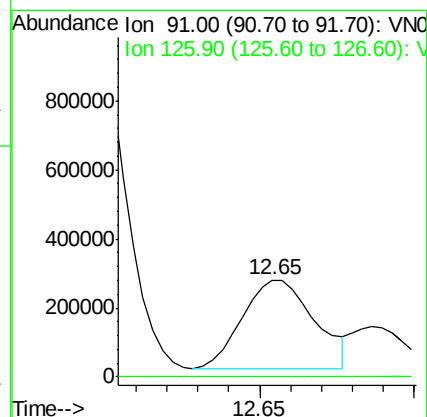
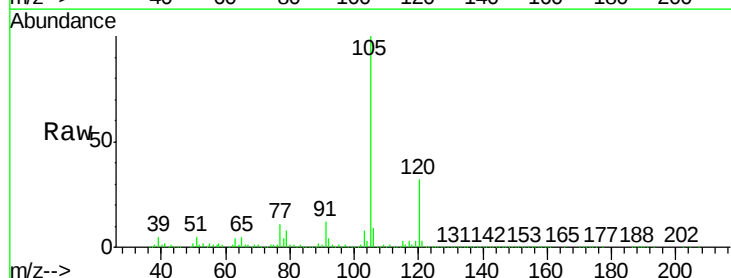
Acq: 8 Feb 2019 14:10

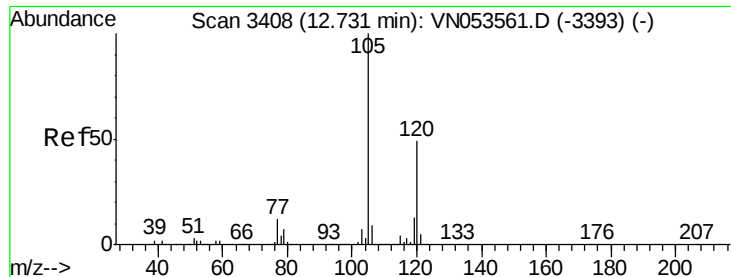
Tgt Ion: 91 Resp: 414964

Ion Ratio Lower Upper

91 100

126 0.0 17.9 53.7#

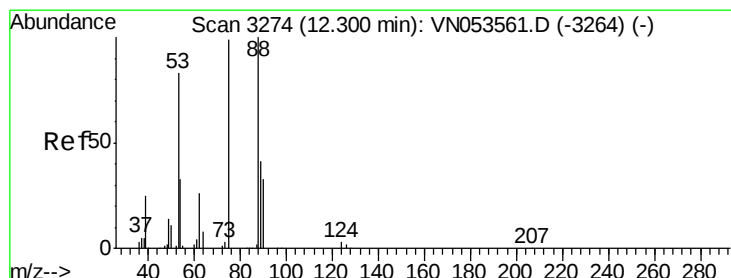
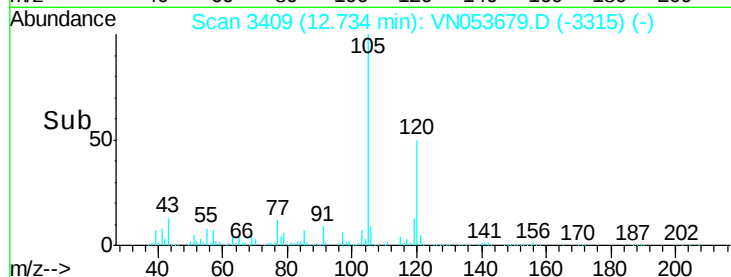
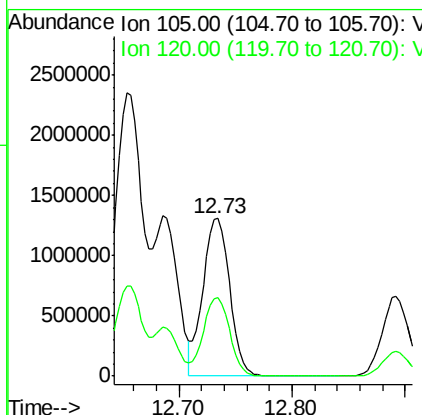
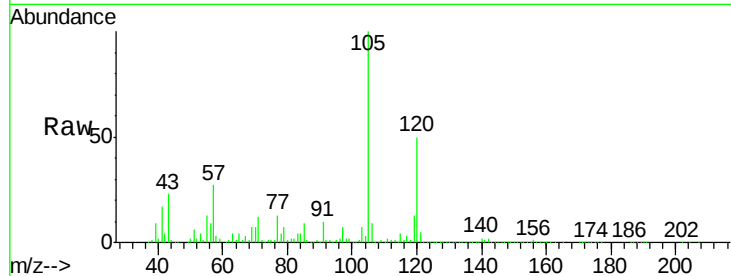




#80
 1,3,5-Trimethylbenzene
 Concen: 67.980 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053679.D
 Acq: 8 Feb 2019 14:10

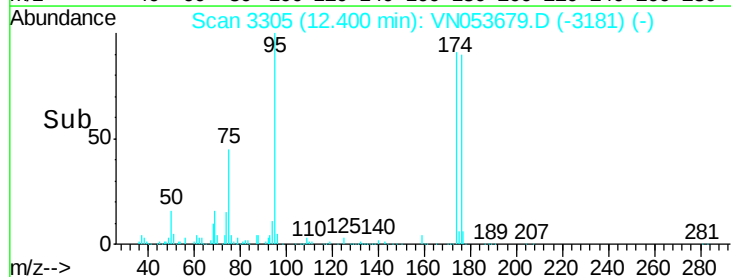
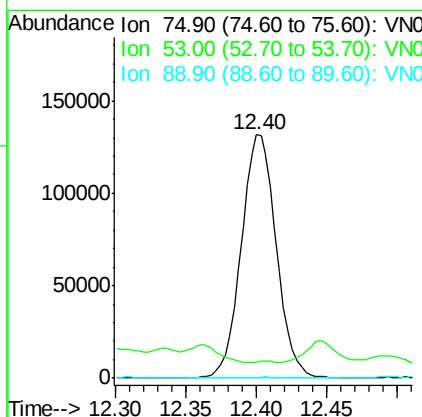
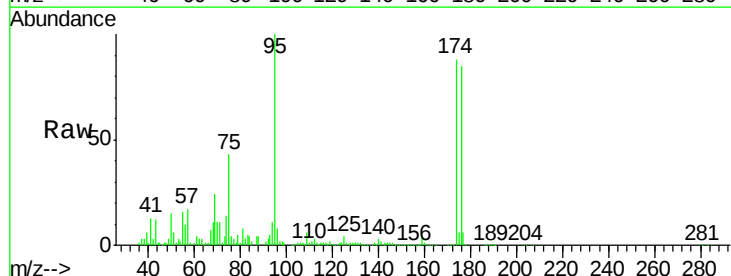
Instrument :
 MSVOA_N
 ClientSampled :
 SB-09(13-16)ME

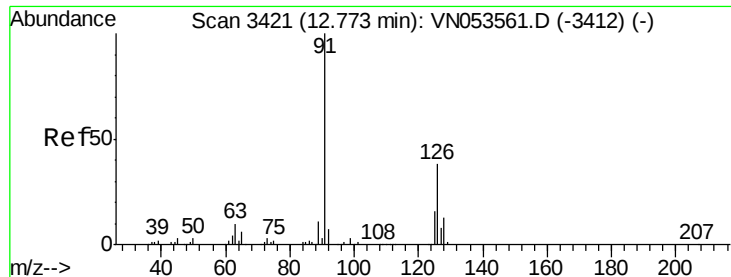
Tot Ion:105 Resp: 2158096
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.9 74.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.258 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN053679.D
 Acq: 8 Feb 2019 14:10

Tgt Ion: 75 Resp: 227006
 Ion Ratio Lower Upper
 75 100
 53 0.7 69.8 104.6#
 89 0.0 35.6 53.4#





#82

4-Chlorotoluene

Concen: 7.659 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

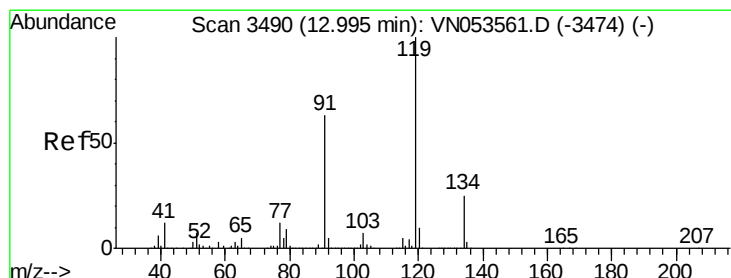
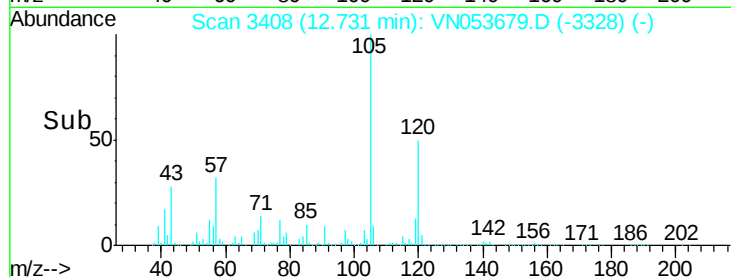
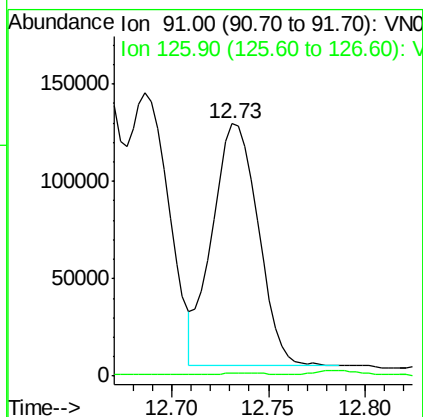
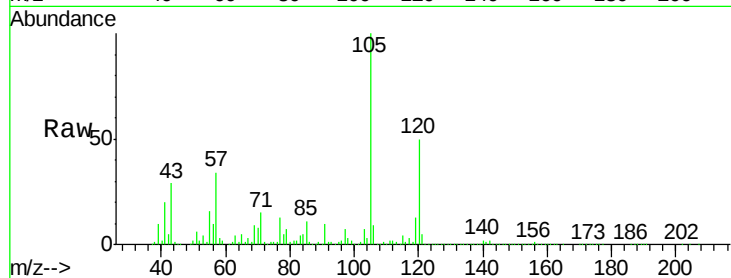
SB-09(13-16)ME

Tot Ion: 91 Resp: 206339

Ion Ratio Lower Upper

91 100

126 1.0 17.6 52.9#



#83

tert-Butylbenzene

Concen: 19.185 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.05 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

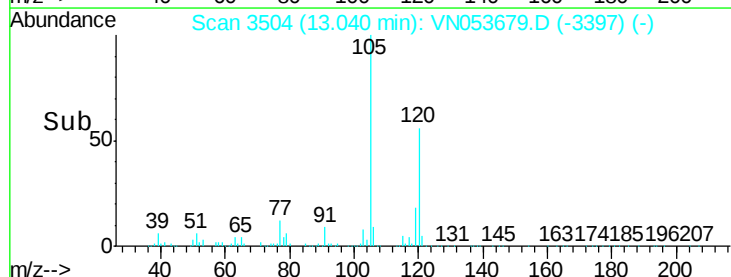
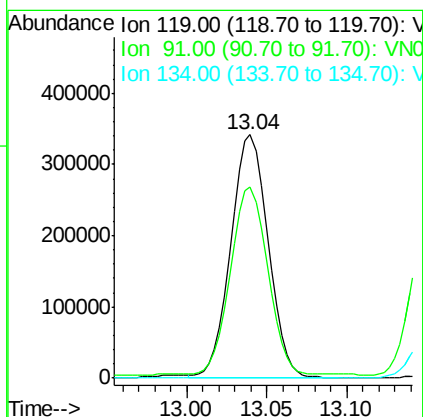
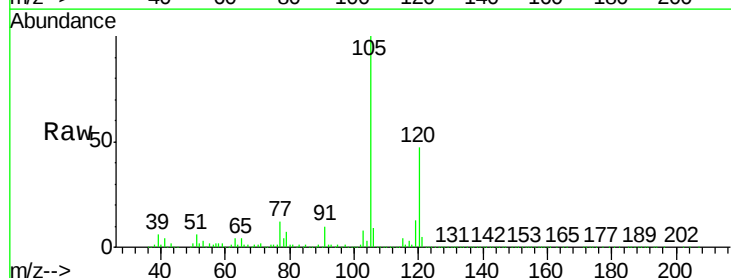
Tgt Ion: 119 Resp: 538288

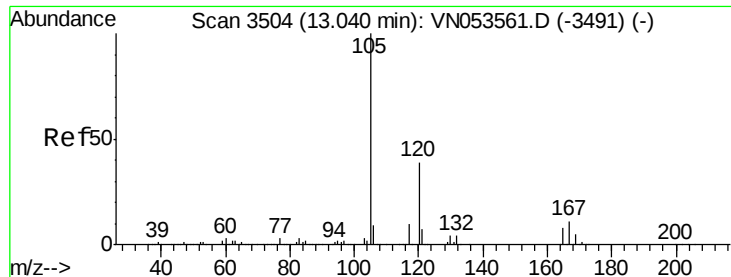
Ion Ratio Lower Upper

119 100

91 77.8 31.3 93.8

134 0.0 12.9 38.7#





#84

1,2,4-Trimethylbenzene

Concen: 132.643 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

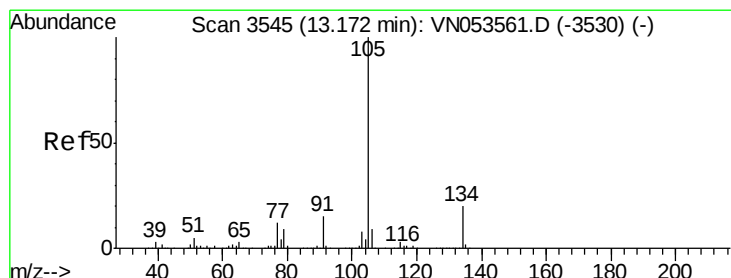
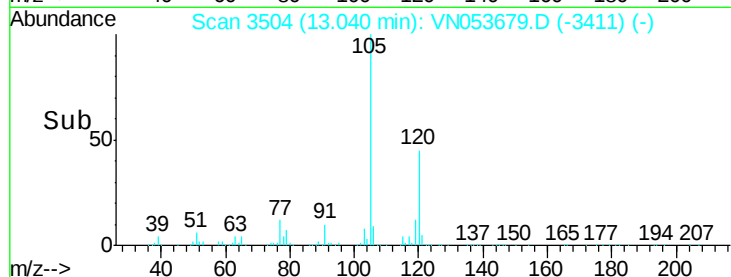
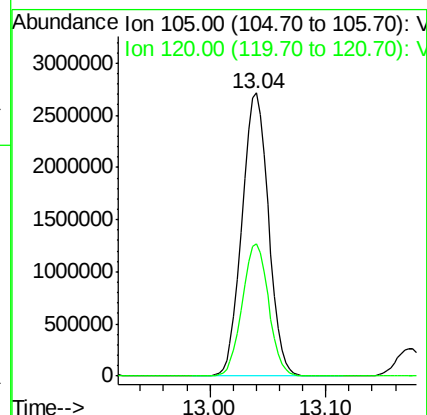
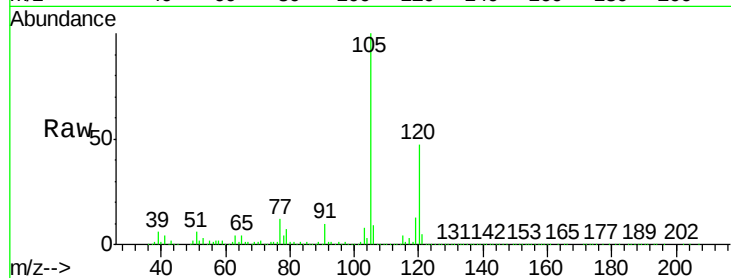
SB-09(13-16)ME

Tot Ion:105 Resp: 4290100

Ion Ratio Lower Upper

105 100

120 46.4 23.0 69.0



#85

sec-Butylbenzene

Concen: 11.190 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053679.D

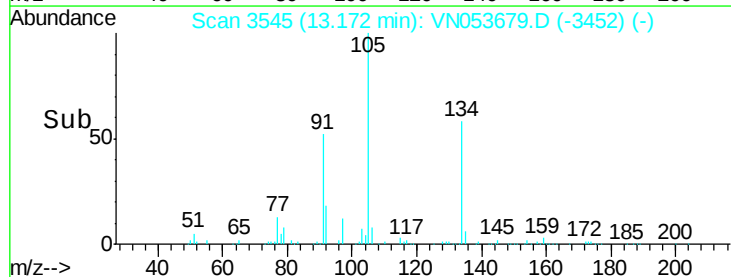
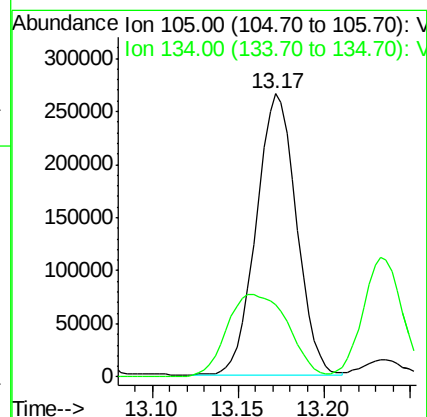
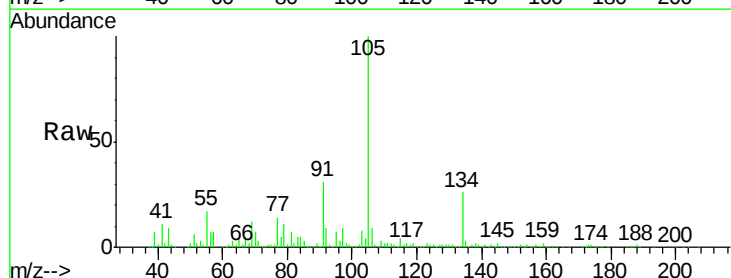
Acq: 8 Feb 2019 14:10

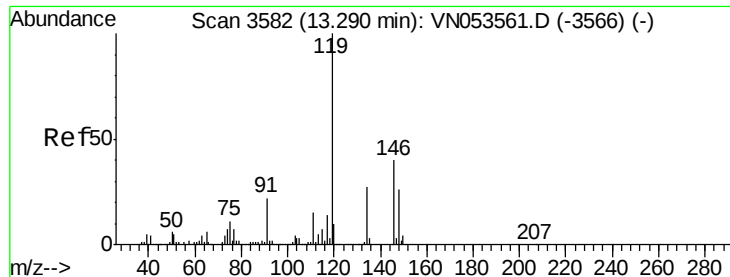
Tgt Ion:105 Resp: 427240

Ion Ratio Lower Upper

105 100

134 45.0 10.2 30.6#

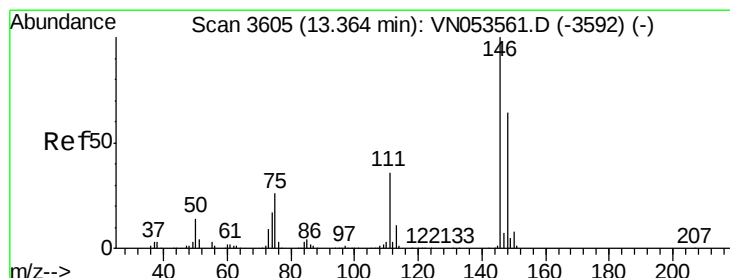
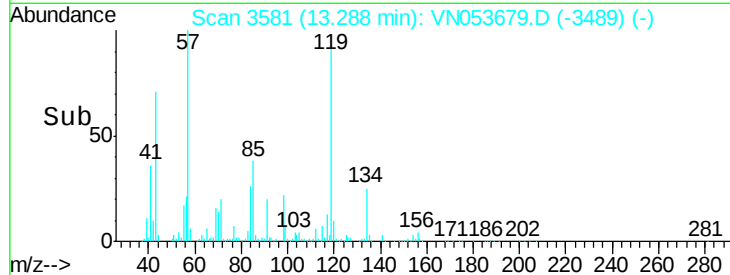
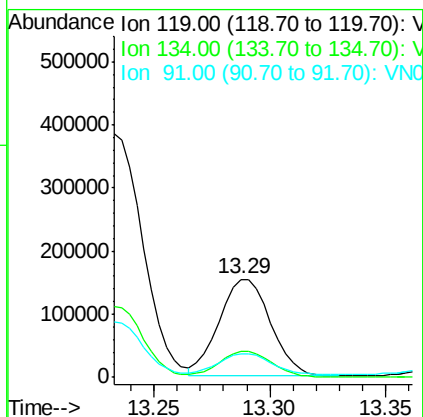
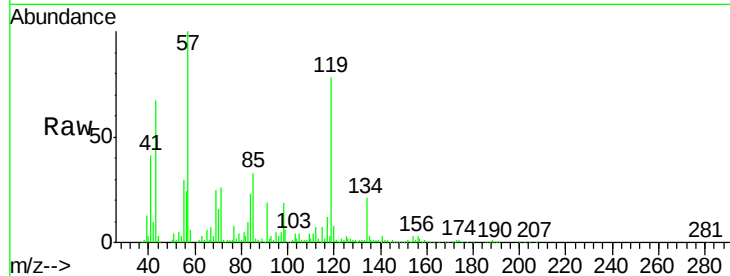




#86
 p-Isopropyltoluene
 Concen: 7.053 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN053679.D
 Acq: 8 Feb 2019 14:10

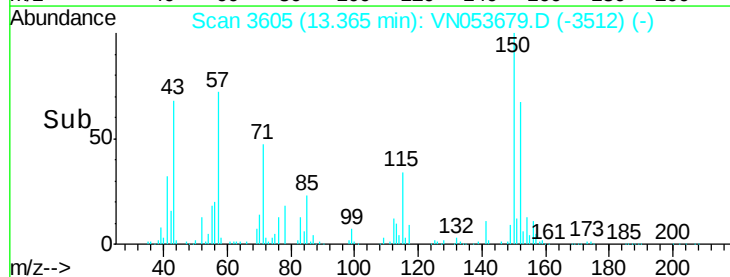
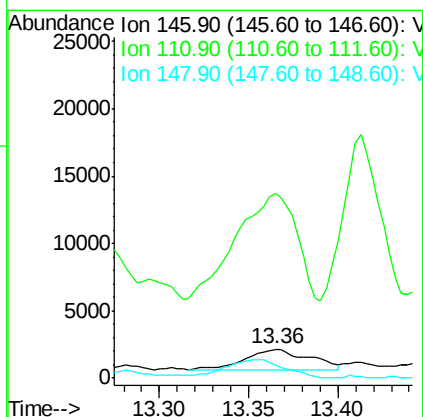
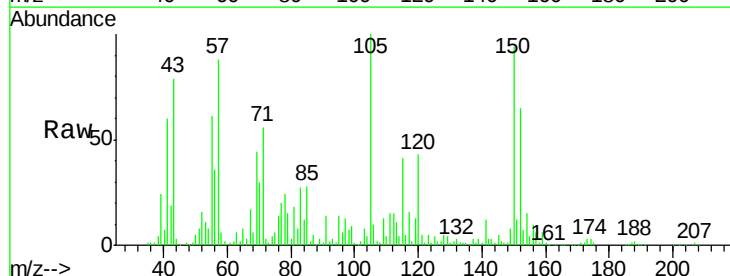
Instrument :
 MSVOA_N
 ClientSampled :
 SB-09(13-16)ME

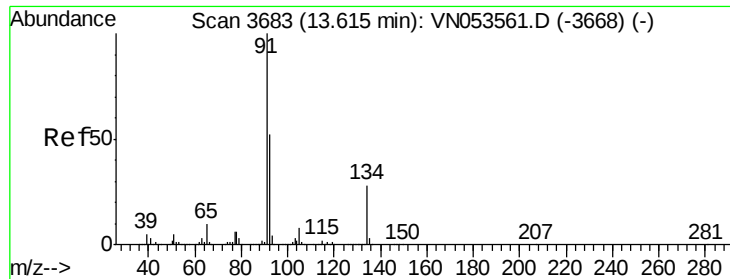
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.5	40.4
91	22.4	11.0	33.0



#88
 1,4-Dichlorobenzene
 Concen: 0.207 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053679.D
 Acq: 8 Feb 2019 14:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	495.2	18.6	55.8#
148	85.9	32.4	97.0





#89

n-Butylbenzene

Concen: 39.293 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

SB-09(13-16)ME

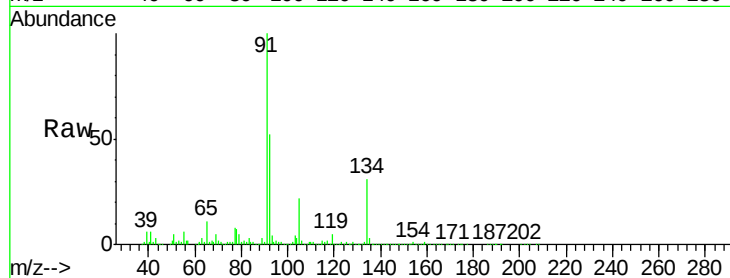
Tot Ion: 91 Resp: 1135702

Ion Ratio Lower Upper

91 100

92 58.7 26.3 78.8

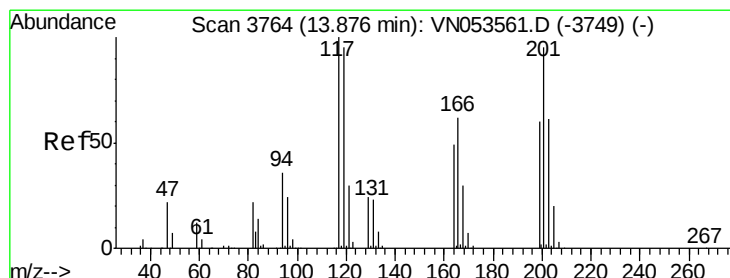
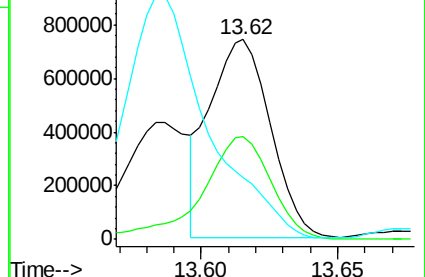
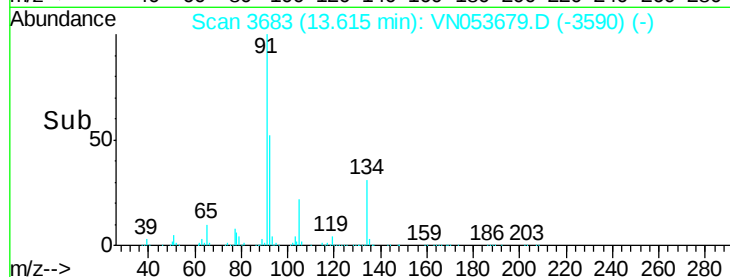
134 0.0 13.5 40.5#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): VN0



#90

Hexachloroethane

Concen: 52.146 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053679.D

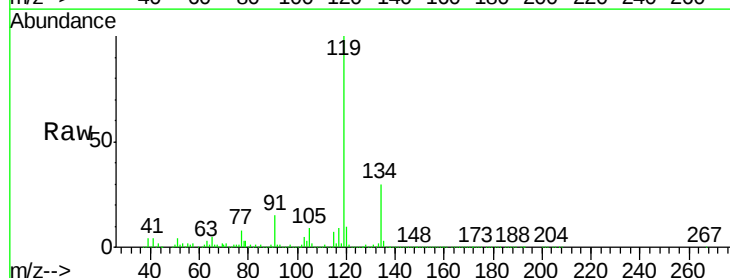
Acq: 8 Feb 2019 14:10

Tgt Ion: 117 Resp: 287219

Ion Ratio Lower Upper

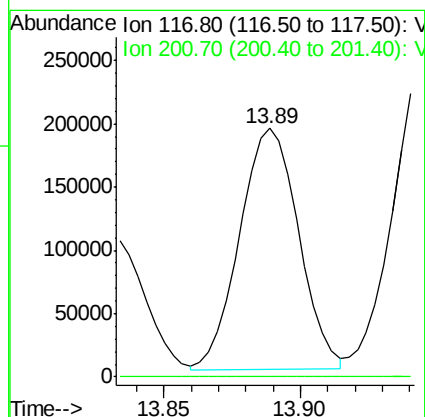
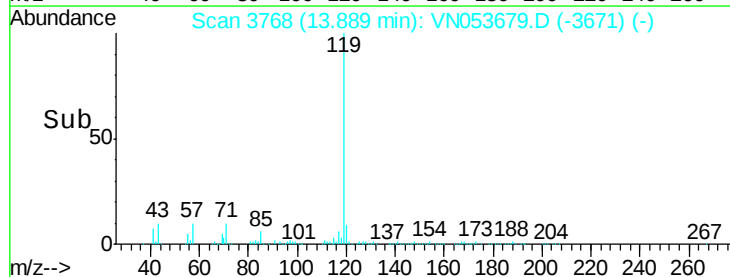
117 100

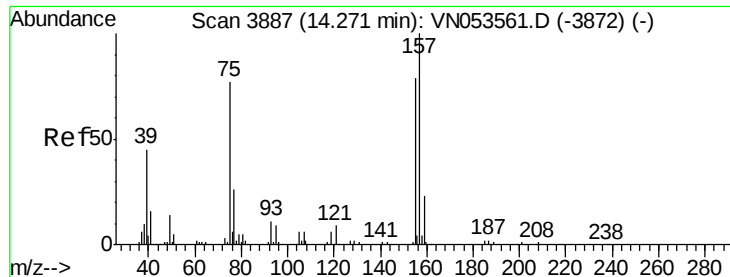
201 0.1 46.8 140.4#



Abundance Ion 116.80 (116.50 to 117.50): VN0

Ion 200.70 (200.40 to 201.40): VN0





#92

1,2-Dibromo-3-Chloropropane

Concen: 4.374 ug/l

RT: 14.30 min Scan# 3895

Delta R.T. 0.03 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

SB-09(13-16)ME

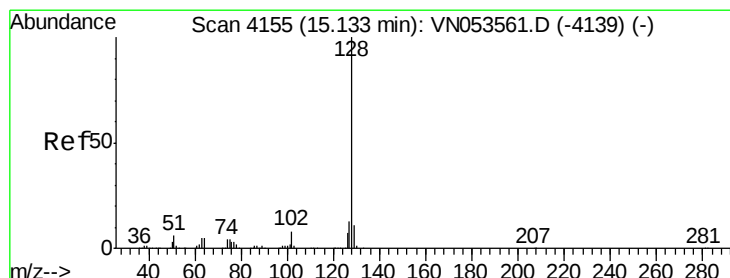
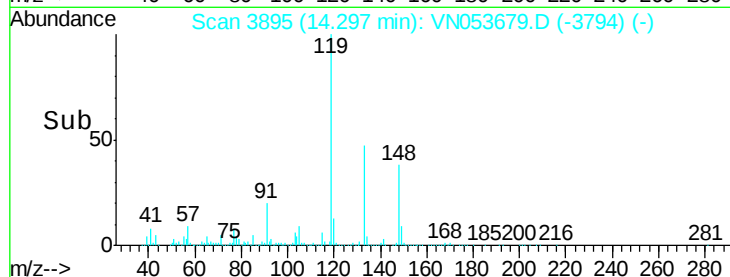
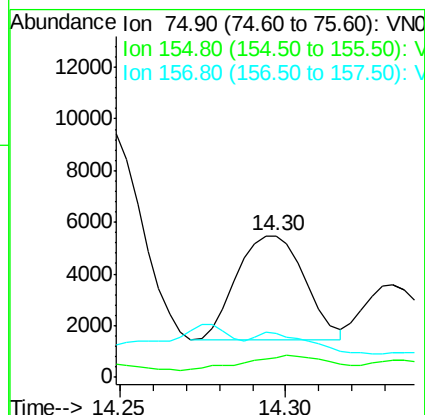
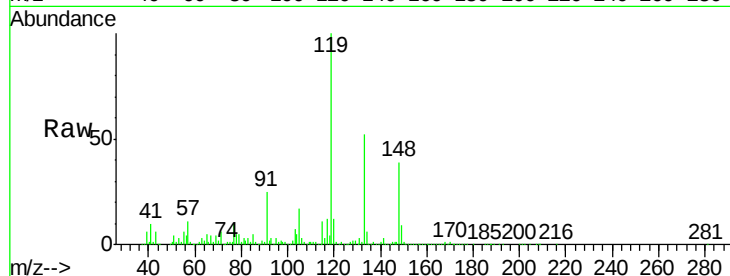
Tot Ion: 75 Resp: 5712

Ion Ratio Lower Upper

75 100

155 17.2 48.9 146.7#

157 16.3 63.7 191.3#



#95

Naphthalene

Concen: 6.383 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053679.D

Acq: 8 Feb 2019 14:10

Tgt Ion: 128 Resp: 115155

Ion Ratio Lower Upper

128 100

127 15.6 10.3 15.5#

129 0.0 8.6 13.0#

