

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020819\
 Data File : VN053691.D
 Acq On : 8 Feb 2019 19:32
 Operator : JC/SP
 Sample : K1409-04DL 10X
 Misc : 3.94u/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 21 Sample Multiplier: 28

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

Quant Time: Feb 09 02:39:38 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	839535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1331003	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1189574	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	511939	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	415308	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
35) Dibromofluoromethane	7.59	113	411863	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
50) Toluene-d8	10.09	98	1626425	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
62) 4-Bromofluorobenzene	12.40	95	531793	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	107	0.349	ug/l #	42
13) Acrolein	3.80	56	3170	11.681	ug/l #	70
14) Allyl chloride	4.59	41	124017	10.019	ug/l #	60
15) Acrylonitrile	5.06	53	7596	2.823	ug/l #	23
16) Acetone	3.80	43	10000	4.629	ug/l #	52
18) Methyl Acetate	4.59	43	308511	48.221	ug/l #	51
20) Methylene Chloride	4.55	84	8638	0.953	ug/l #	71
25) 2-Butanone	6.82	43	3390	1.100	ug/l #	47
31) Cyclohexane	7.63	56	127481	8.811	ug/l #	56
36) 1,1-Dichloropropene	7.67	75	50515	4.210	ug/l #	48
38) Carbon Tetrachloride	7.67	117	67793	5.609	ug/l #	16
39) Methylcyclohexane	9.08	83	241414	16.960	ug/l	99
43) Isopropyl Acetate	8.15	43	36023	2.784	ug/l #	51
45) 1,2-Dichloropropane	9.07	63	2253	0.238	ug/l #	1
47) Bromodichloromethane	9.38	83	10518	0.887	ug/l #	31
48) Methyl methacrylate	9.14	41	23050	3.731	ug/l #	39
51) 4-Methyl-2-Pentanone	10.09	43	12926	2.033	ug/l #	22
55) 1,1,2-Trichloroethane	10.53	97	60030	7.587	ug/l #	19
56) Ethyl methacrylate	10.43	69	2270	0.243	ug/l #	14
58) 2-Chloroethyl Vinyl ether	9.67	63	597	8.108	ug/l #	48
59) 2-Hexanone	10.72	43	27619	6.398	ug/l #	28
67) Ethyl Benzene	11.51	91	20328	0.490	ug/l	91
68) m/p-Xylenes	11.62	106	13208	0.834	ug/l	93
71) Bromoform	12.40	173	3243	0.536	ug/l #	1
73) Isopropylbenzene	12.25	105	40914	1.137	ug/l	99
74) N-amyl acetate	12.04	43	16187	1.870	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	243776	37.073	ug/l #	100
78) n-propylbenzene	12.59	91	222263	5.342	ug/l	100
79) 2-Chlorotoluene	12.65	91	41073	1.664	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.73	105	215442	7.219	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	243776	104.247	ug/l #	15
82) 4-Chlorotoluene	12.73	91	19434	0.767	ug/l #	39
83) tert-Butylbenzene	13.04	119	55114	2.090	ug/l #	75
84) 1,2,4-Trimethylbenzene	13.04	105	432488	14.224	ug/l	99

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Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration

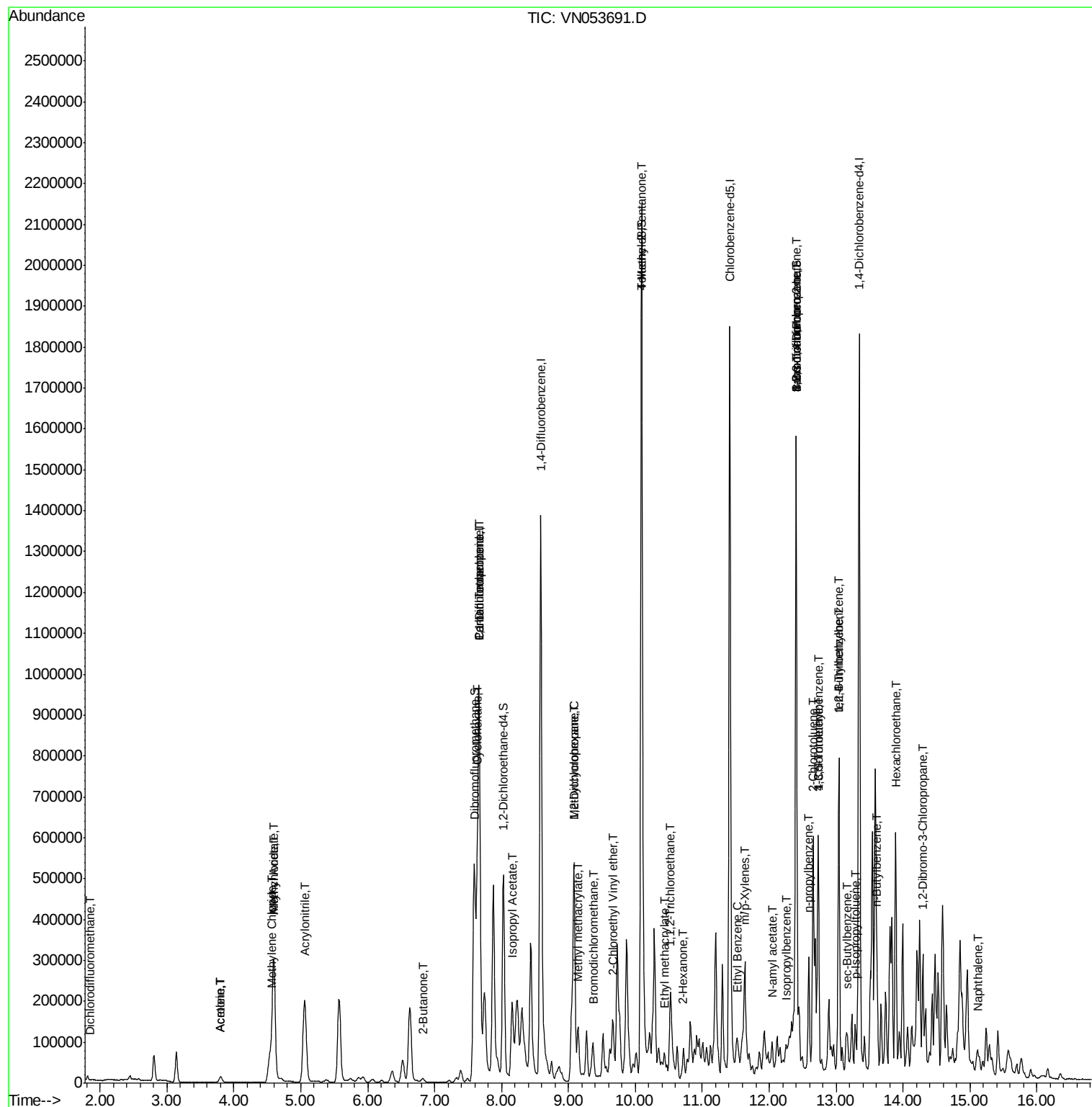
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.17	105	44886	1.251	ug/l #	45
86) p-Isopropyltoluene	13.29	119	24938	0.794	ug/l	99
89) n-Butylbenzene	13.62	91	109080	4.015	ug/l #	75
90) Hexachloroethane	13.89	117	28511	5.506	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	14.30	75	970	0.790	ug/l #	1
95) Naphthalene	15.13	128	11305	2.222	ug/l #	92

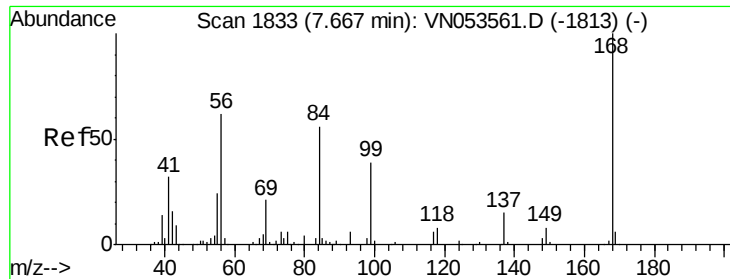
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053691.D

Acq: 8 Feb 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

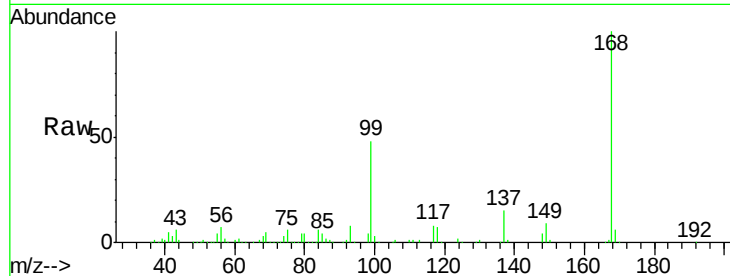
SB-09(13-16)MEDL

Tot Ion:168 Resp: 839535

Ion Ratio Lower Upper

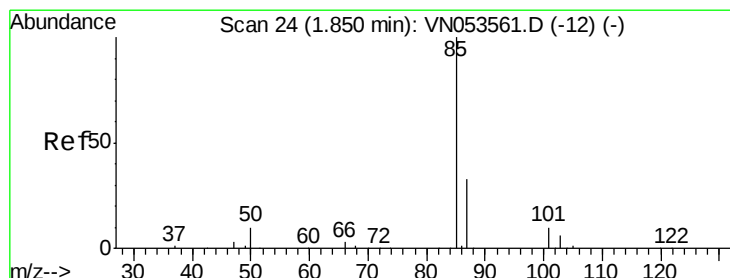
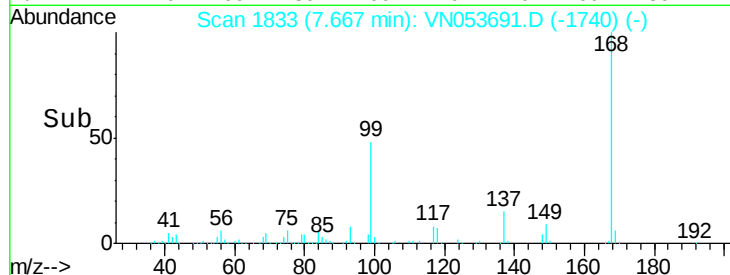
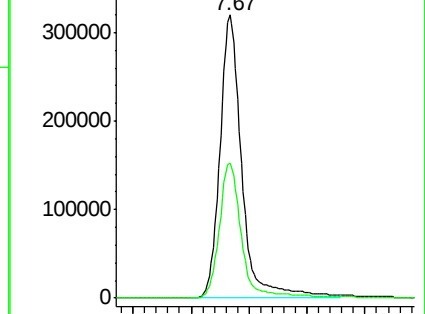
168 100

99 47.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 0.349 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053691.D

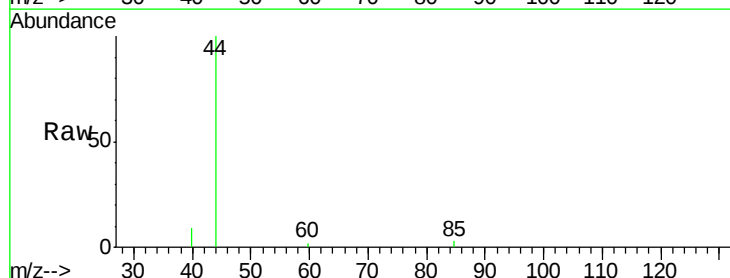
Acq: 8 Feb 2019 19:32

Tgt Ion: 85 Resp: 107

Ion Ratio Lower Upper

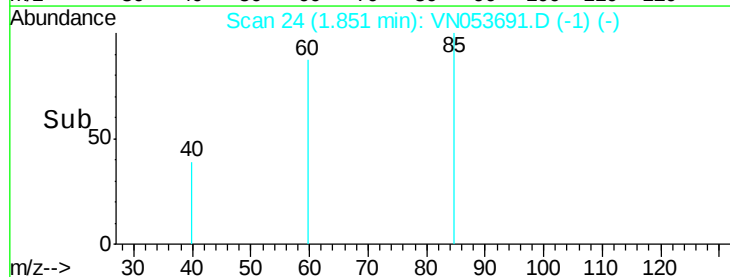
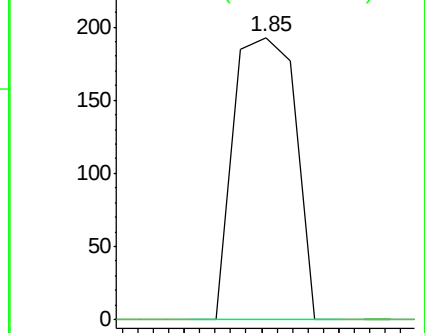
85 100

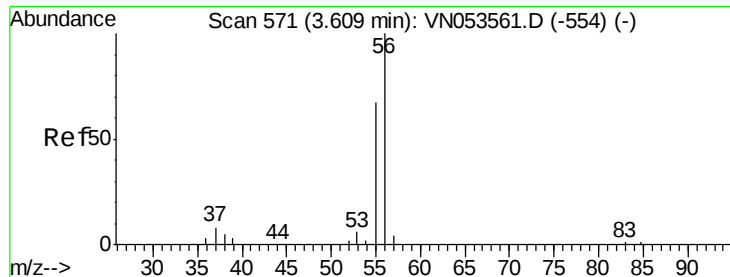
87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

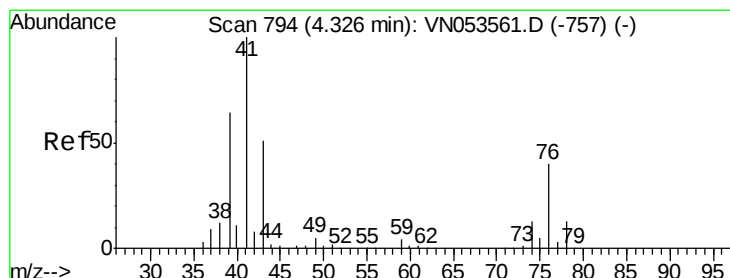
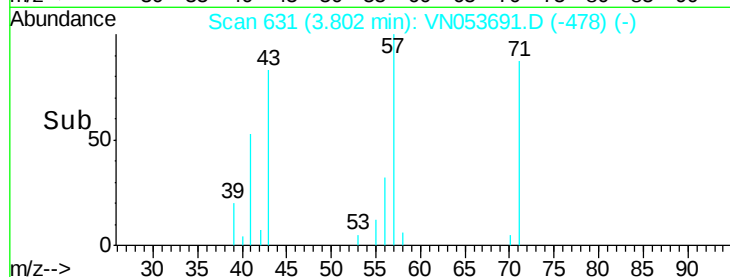
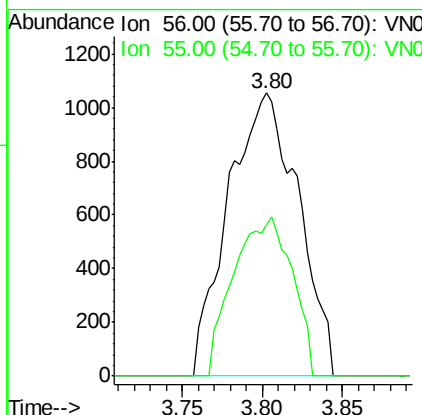
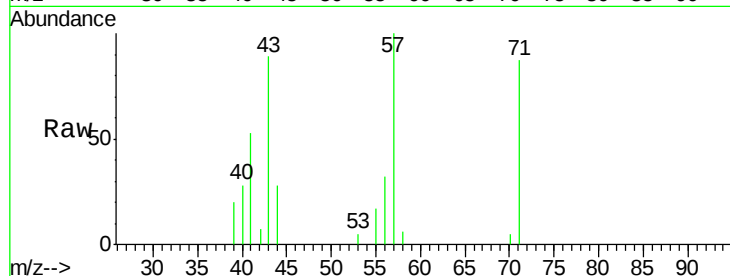




#13
Acrolein
Concen: 11.681 ug/l
RT: 3.80 min Scan# 631
Delta R.T. 0.19 min
Lab File: VN053691.D
Acq: 8 Feb 2019 19:32

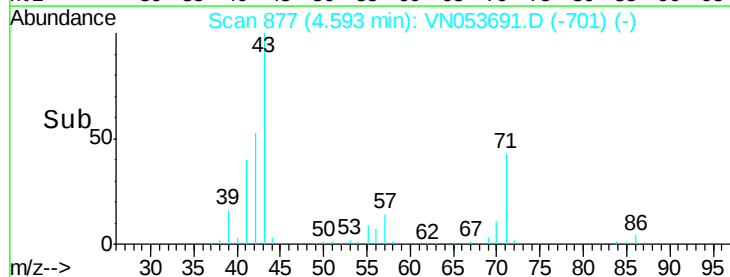
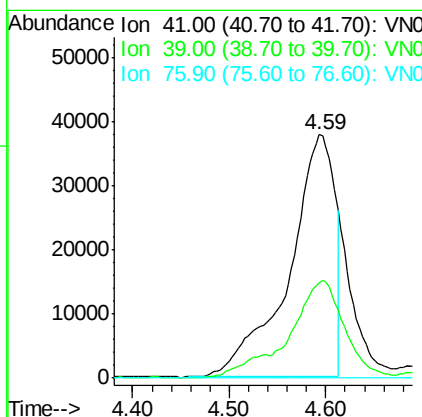
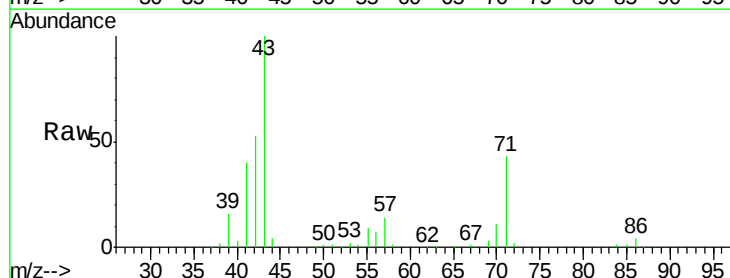
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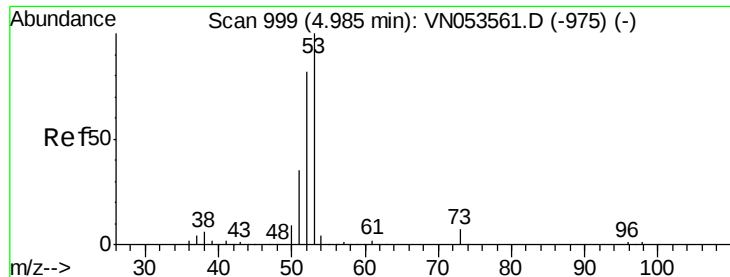
Tot Ion: 56 Resp: 3170
Ion Ratio Lower Upper
56 100
55 46.9 57.4 86.0#



#14
Allyl chloride
Concen: 10.019 ug/l
RT: 4.59 min Scan# 877
Delta R.T. 0.27 min
Lab File: VN053691.D
Acq: 8 Feb 2019 19:32

Tgt Ion: 41 Resp: 124017
Ion Ratio Lower Upper
41 100
39 40.8 48.9 73.3#
76 0.0 29.4 44.2#





#15

Acrylonitrile

Concen: 2.823 ug/l

RT: 5.06 min Scan# 1022

Delta R.T. 0.07 min

Lab File: VN053691.D

Acq: 8 Feb 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SB-09(13-16)MEDL

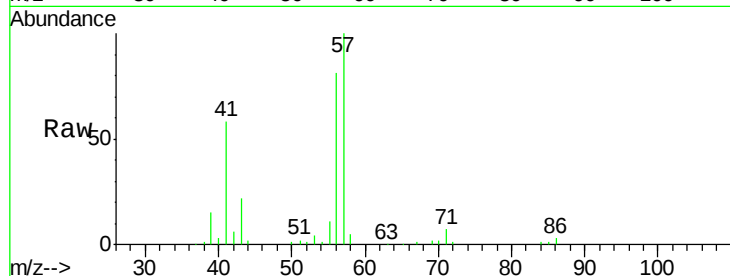
Tot Ion: 53 Resp: 7596

Ion Ratio Lower Upper

53 100

52 7.3 66.0 99.0#

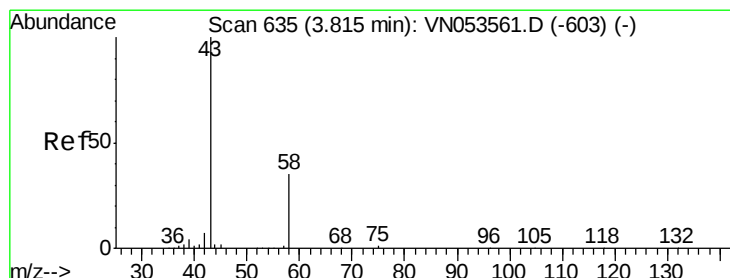
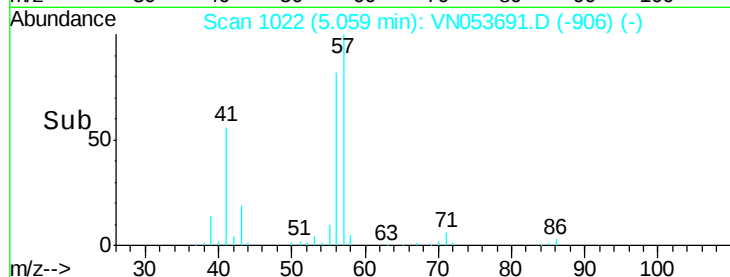
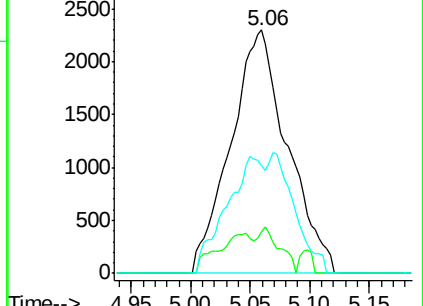
51 0.0 28.3 42.5#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 4.629 ug/l

RT: 3.80 min Scan# 631

Delta R.T. -0.01 min

Lab File: VN053691.D

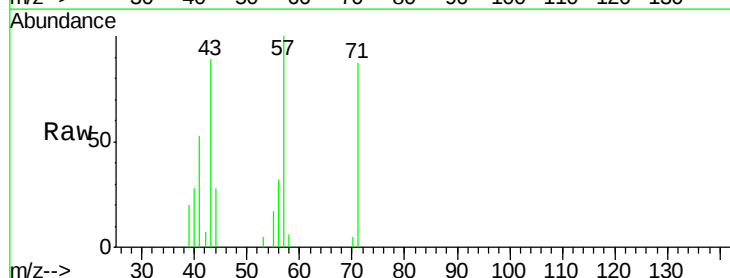
Acq: 8 Feb 2019 19:32

Tgt Ion: 43 Resp: 10000

Ion Ratio Lower Upper

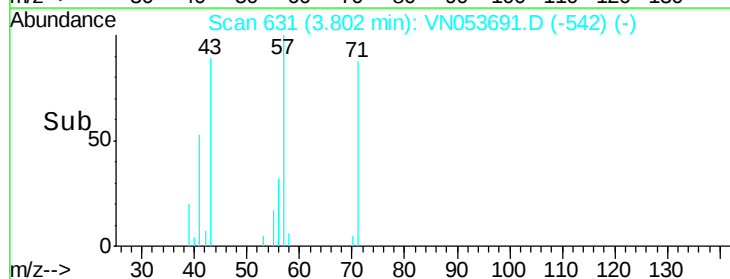
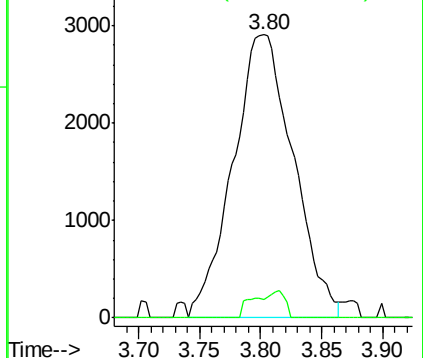
43 100

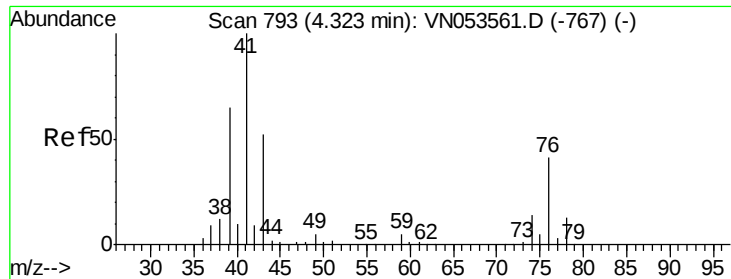
58 6.7 27.1 40.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

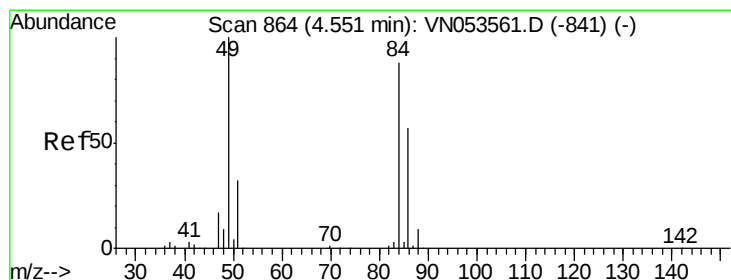
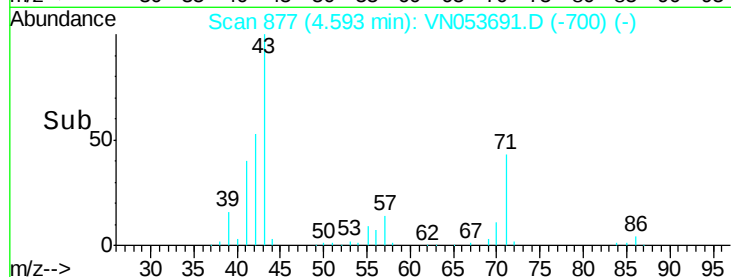
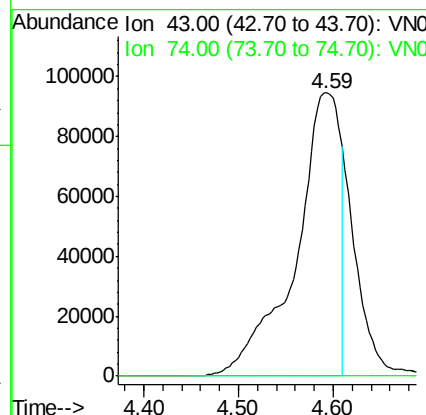
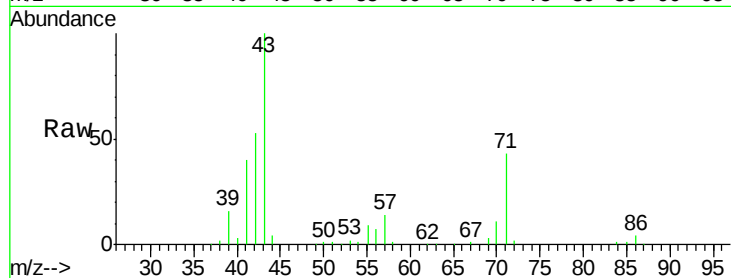




#18
Methyl Acetate
Concen: 48.221 ug/l
RT: 4.59 min Scan# 877
Delta R.T. 0.27 min
Lab File: VN053691.D
Acq: 8 Feb 2019 19:32

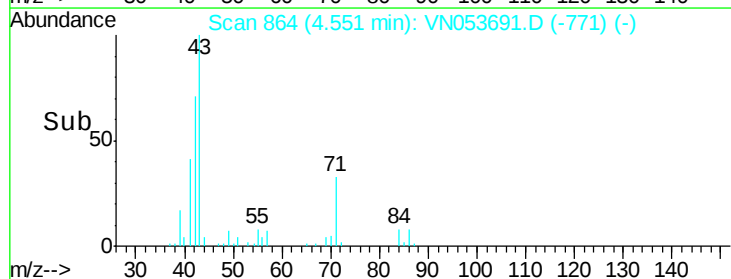
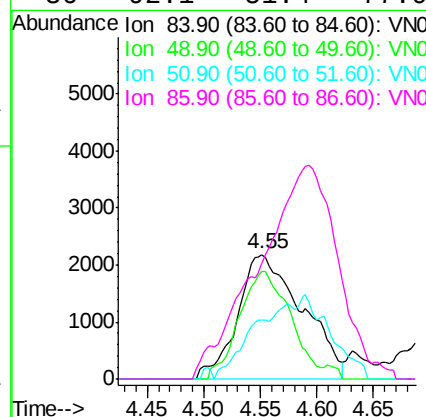
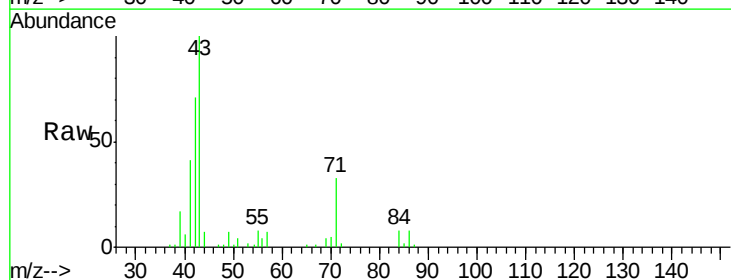
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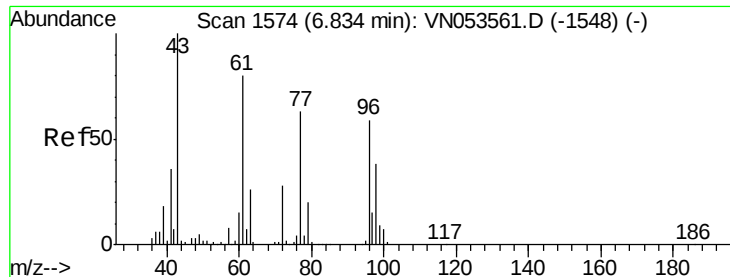
Tot Ion: 43 Resp: 308511
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: 0.953 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053691.D
Acq: 8 Feb 2019 19:32

Tgt Ion: 84 Resp: 8638
Ion Ratio Lower Upper
84 100
49 86.8 94.3 141.5#
51 47.7 29.4 44.2#
86 92.1 51.4 77.0#





#25

2-Butanone

Concen: 1.100 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VN053691.D

Acq: 8 Feb 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

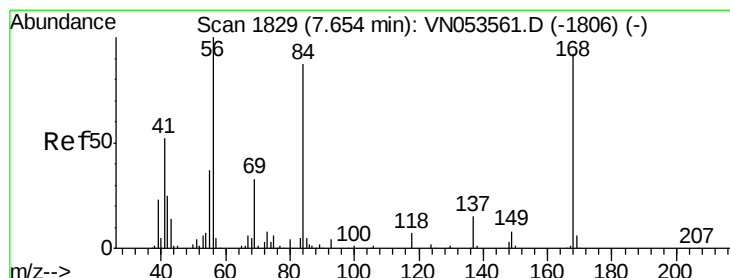
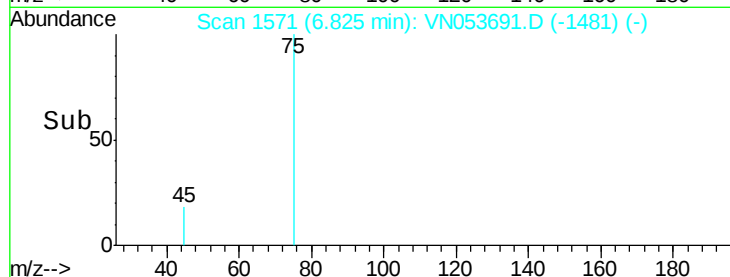
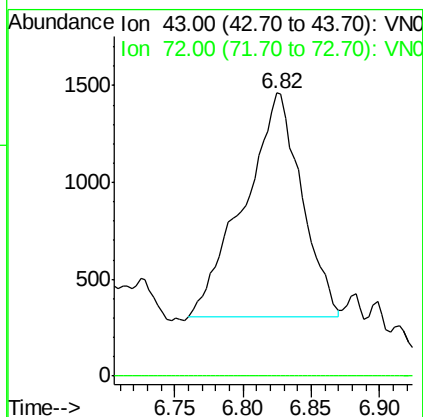
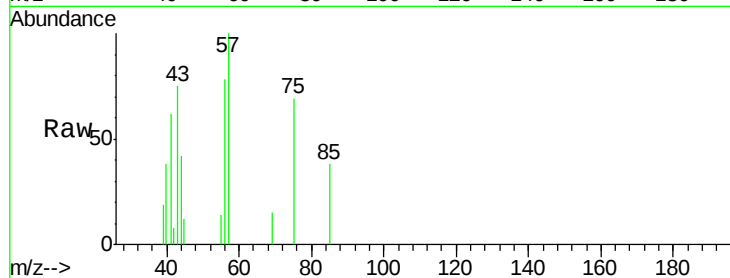
SB-09(13-16)MEDL

Tot Ion: 43 Resp: 3390

Ion Ratio Lower Upper

43 100

72 0.0 22.0 33.0#



#31

Cyclohexane

Concen: 8.811 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.02 min

Lab File: VN053691.D

Acq: 8 Feb 2019 19:32

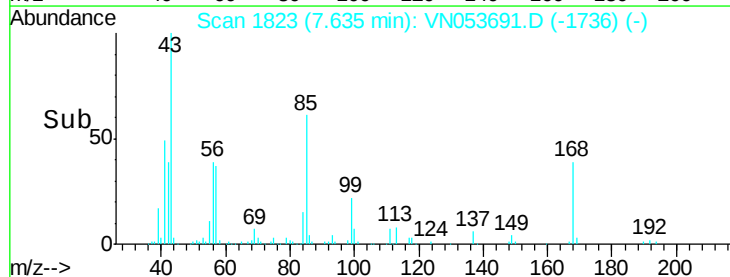
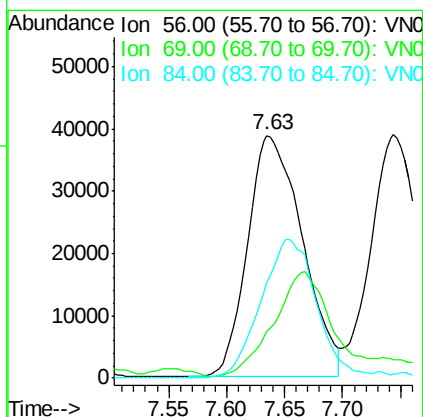
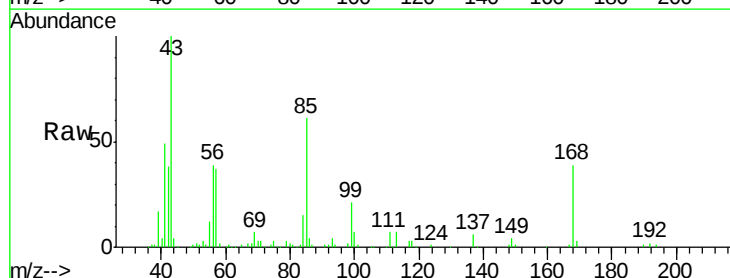
Tgt Ion: 56 Resp: 127481

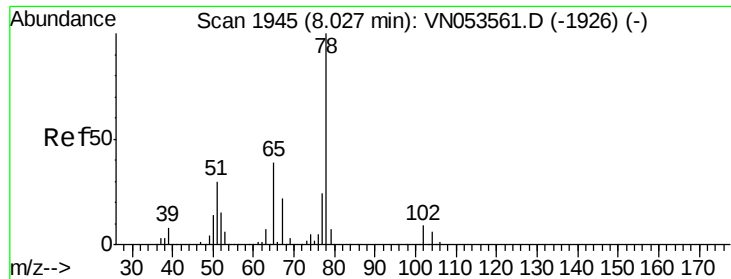
Ion Ratio Lower Upper

56 100

69 16.4 26.4 39.6#

84 39.2 67.9 101.9#

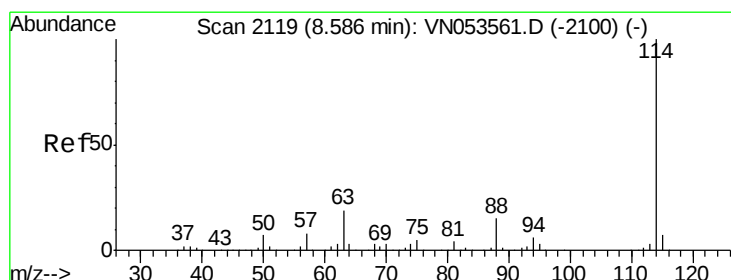
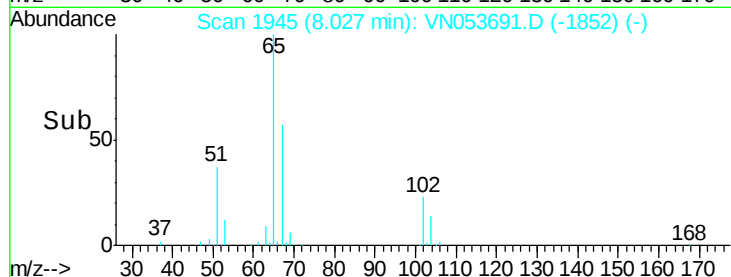
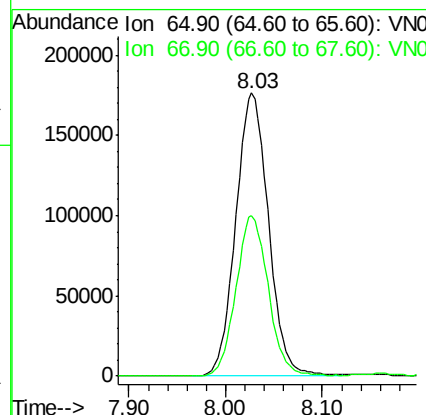
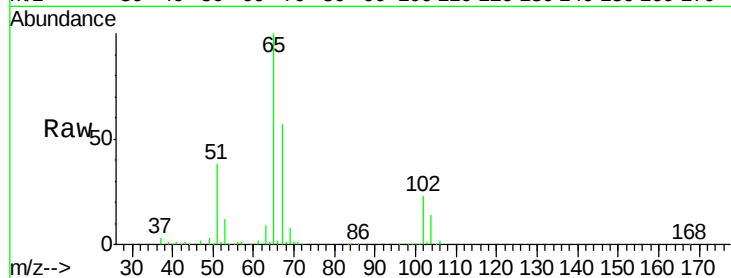




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053691.D
 Acq: 8 Feb 2019 19:32

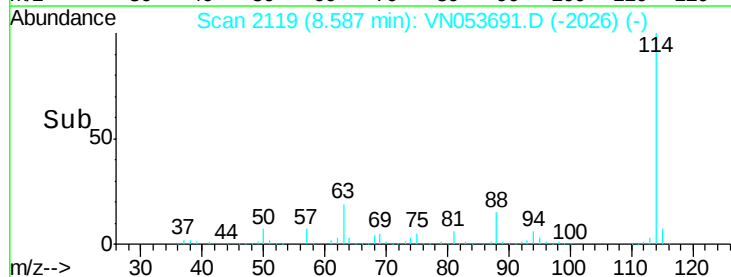
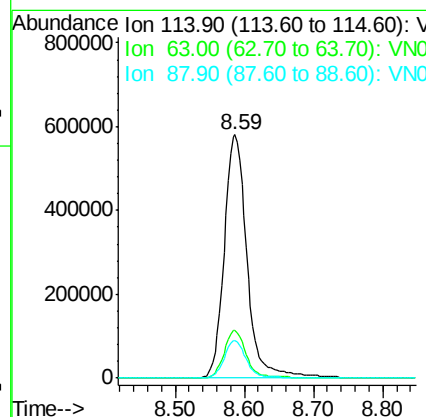
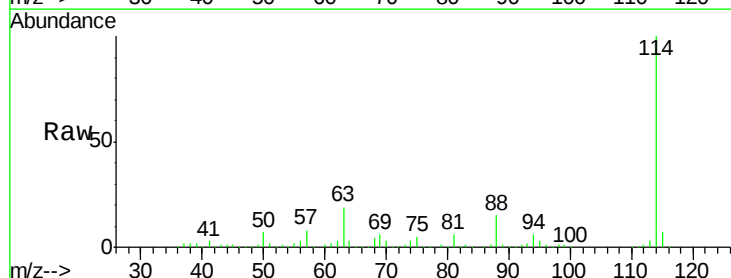
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-09(13-16)MEDL

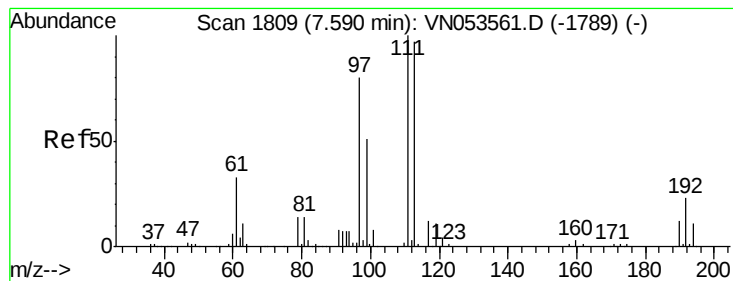
Tot Ion: 65 Resp: 415308
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053691.D
 Acq: 8 Feb 2019 19:32

Tgt Ion: 114 Resp: 1331003
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.6
 88 15.5 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: VN053691.D

Acq: 8 Feb 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SB-09(13-16)MEDL

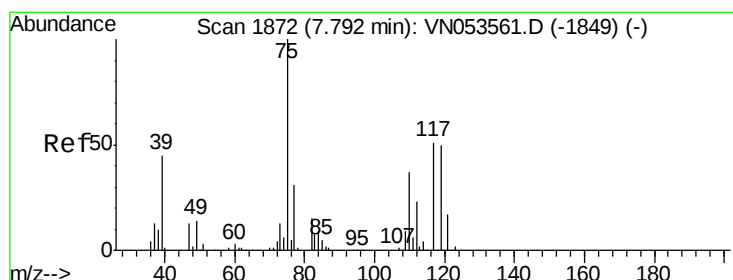
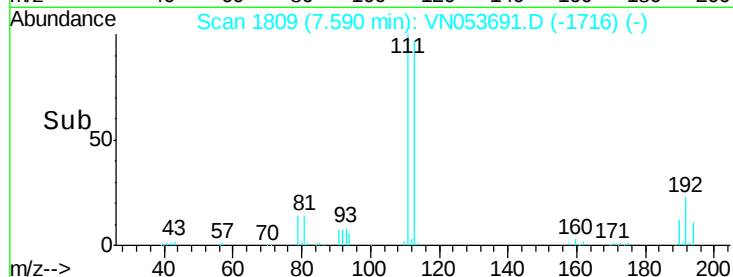
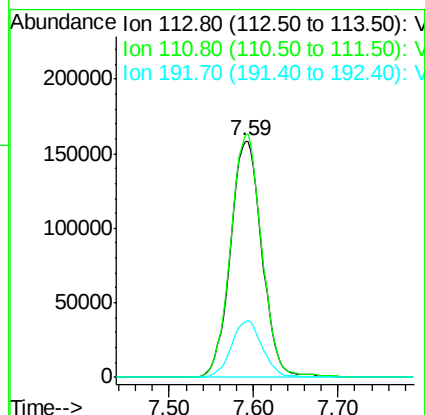
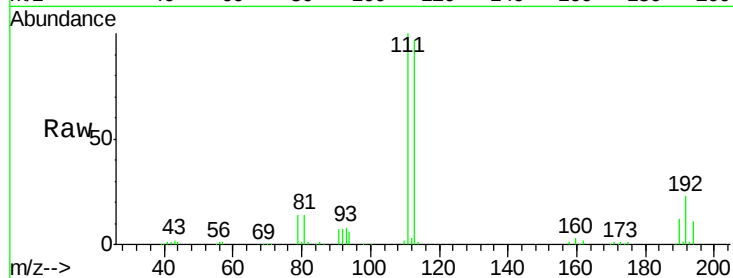
Tot Ion:113 Resp: 411863

Ion Ratio Lower Upper

113 100

111 102.3 81.1 121.7

192 23.6 18.2 27.2



#36

1,1-Dichloropropene

Concen: 4.210 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053691.D

Acq: 8 Feb 2019 19:32

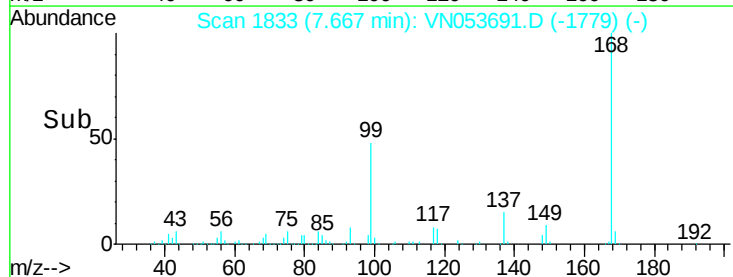
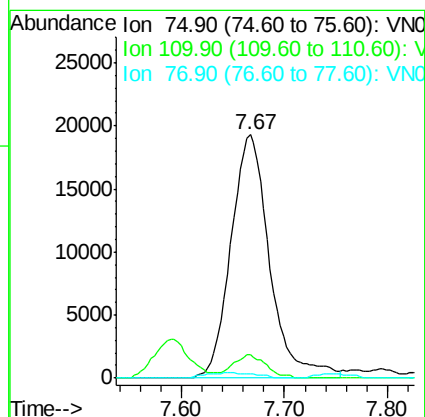
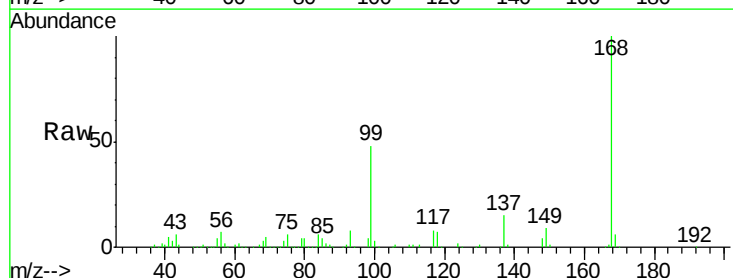
Tgt Ion: 75 Resp: 50515

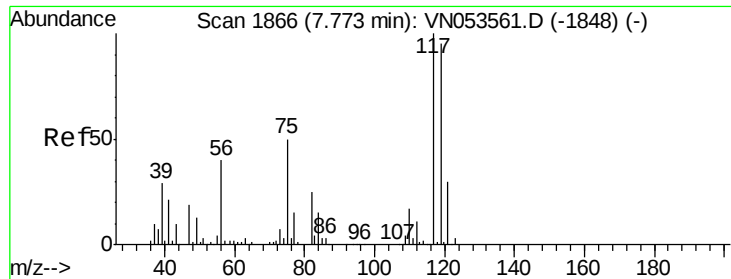
Ion Ratio Lower Upper

75 100

110 8.2 18.1 54.3#

77 0.0 25.1 37.7#

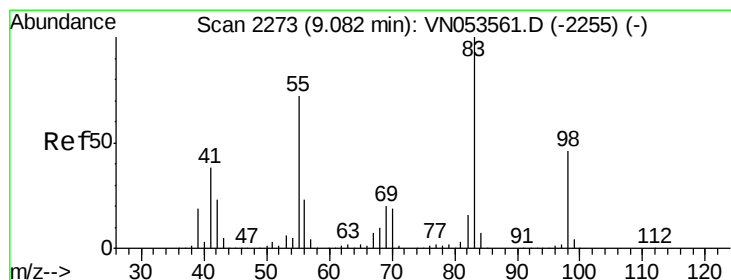
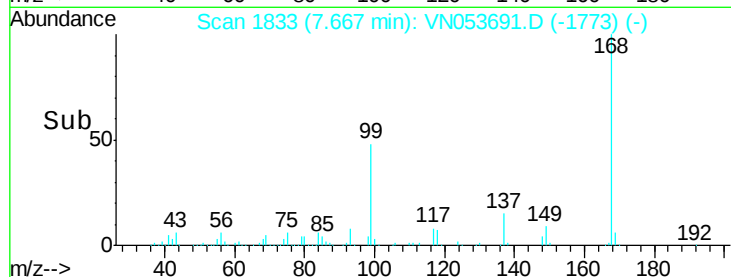
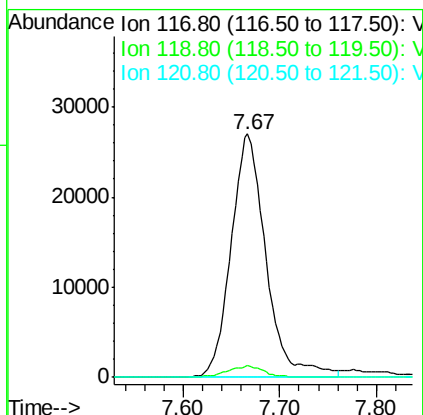
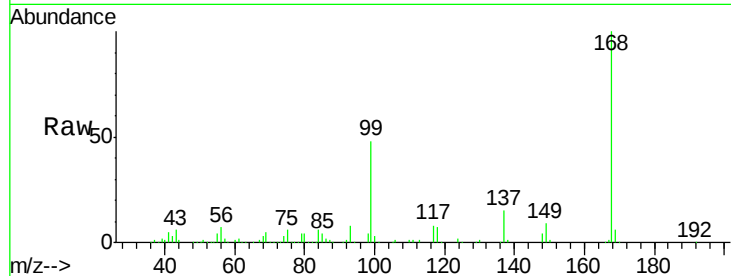




#38
Carbon Tetrachloride
Concen: 5.609 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN053691.D
Acq: 8 Feb 2019 19:32

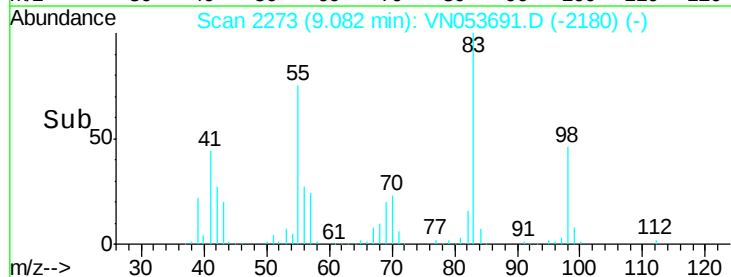
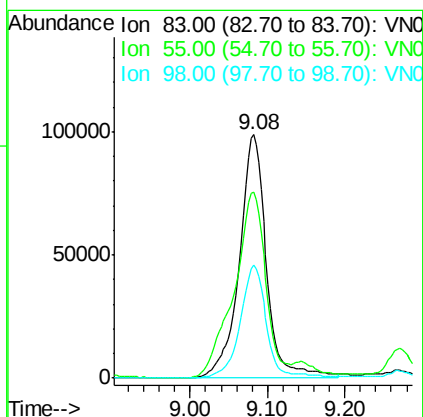
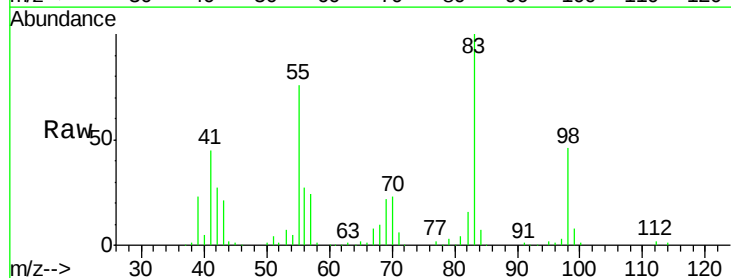
Instrument :
MSVOA_N
ClientSampled :
SB-09(13-16)MEDL

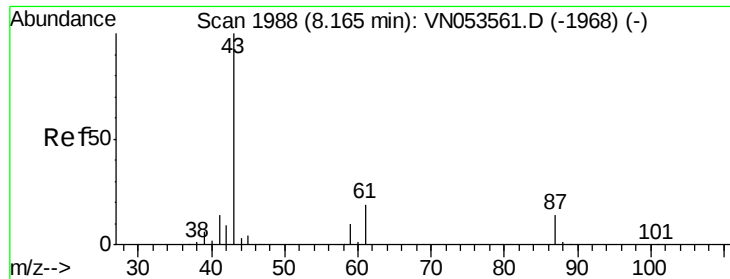
Tot Ion:117 Resp: 67793
Ion Ratio Lower Upper
117 100
119 4.9 77.2 115.8#
121 0.0 24.6 37.0#



#39
Methylcyclohexane
Concen: 16.960 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053691.D
Acq: 8 Feb 2019 19:32

Tgt Ion: 83 Resp: 241414
Ion Ratio Lower Upper
83 100
55 75.9 60.1 90.1
98 46.2 36.6 55.0





#43

Isopropyl Acetate

Concen: 2.784 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.02 min

Lab File: VN053691.D

Acq: 8 Feb 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SB-09(13-16)MEDL

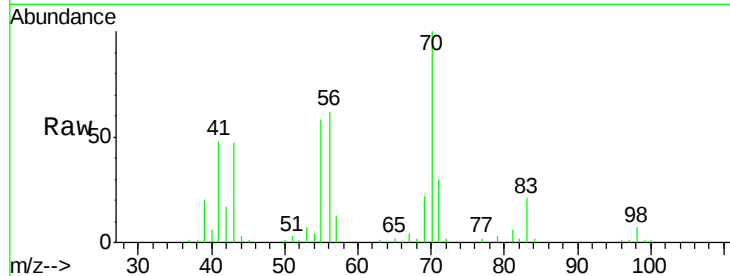
Tot Ion: 43 Resp: 36023

Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

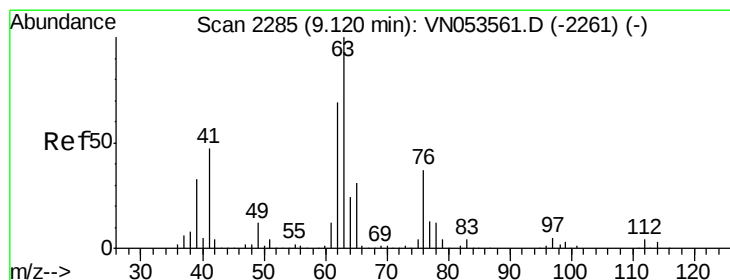
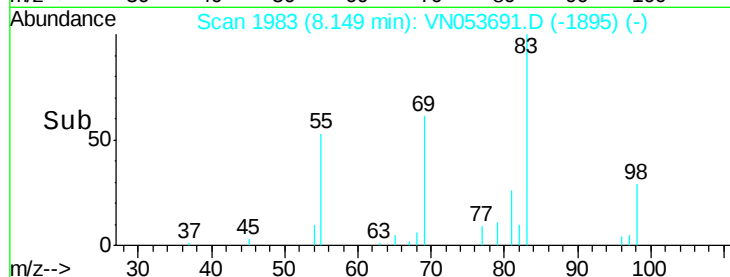
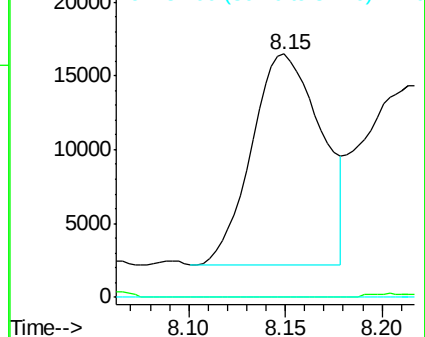
87 0.0 11.0 16.6#



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: 0.238 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VN053691.D

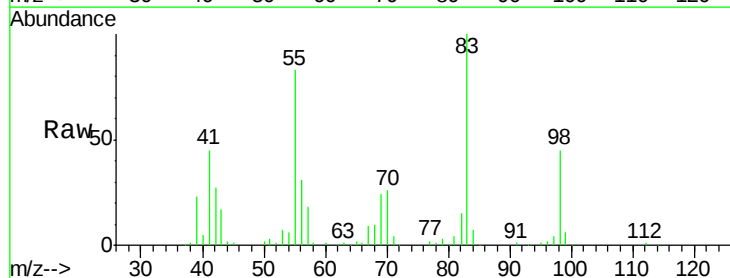
Acq: 8 Feb 2019 19:32

Tgt Ion: 63 Resp: 2253

Ion Ratio Lower Upper

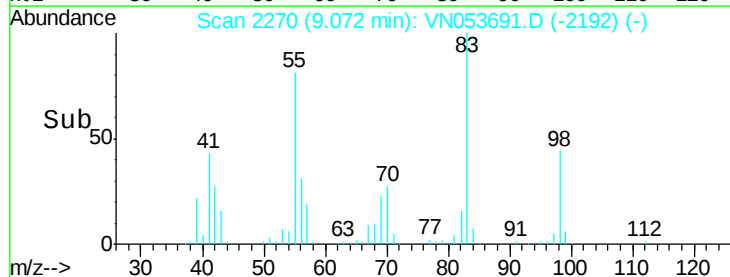
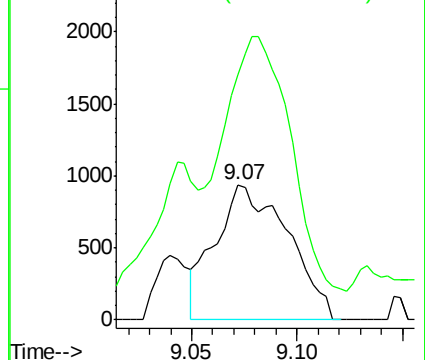
63 100

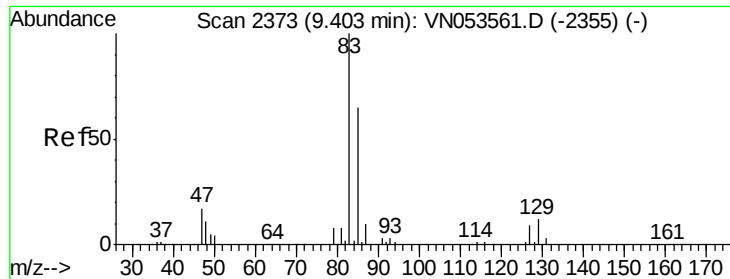
65 158.3 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





#47

Bromodichloromethane

Concen: 0.887 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.02 min

Lab File: VN053691.D

Acq: 8 Feb 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SB-09(13-16)MEDL

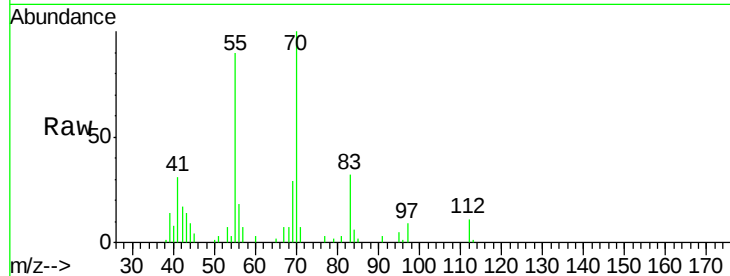
Tot Ion: 83 Resp: 10518

Ion Ratio Lower Upper

83 100

85 5.4 51.0 76.6#

127 0.0 7.0 10.6#

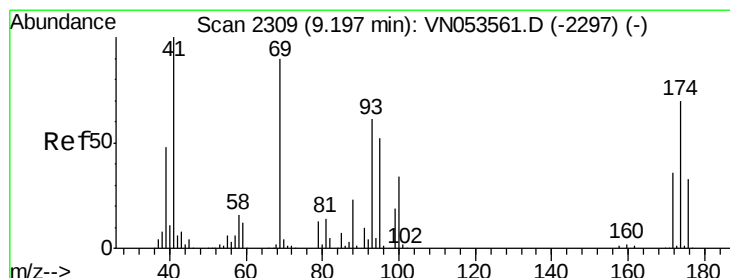
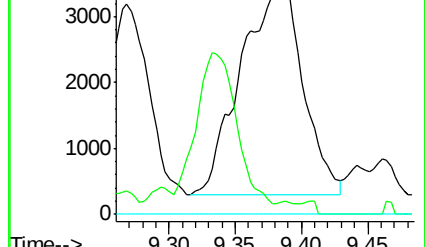
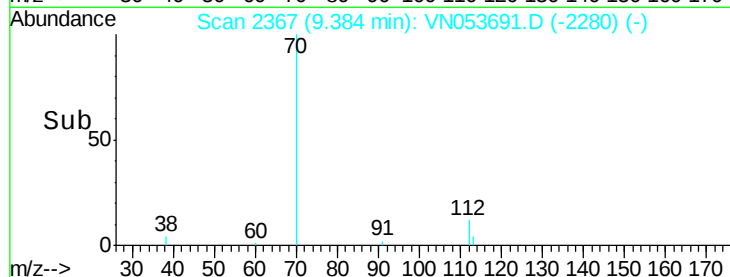


Abundance Ion 82.90 (82.60 to 83.60): VN053691.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053691.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053691.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 3.731 ug/l

RT: 9.14 min Scan# 2291

Delta R.T. -0.06 min

Lab File: VN053691.D

Acq: 8 Feb 2019 19:32

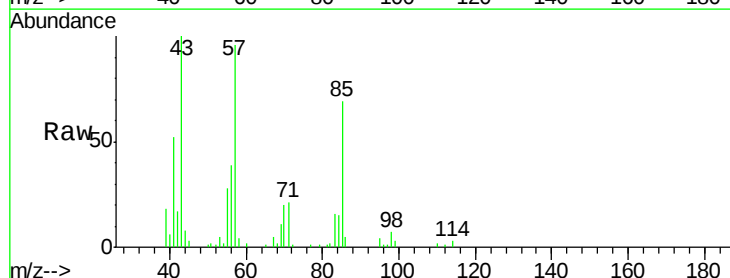
Tgt Ion: 41 Resp: 23050

Ion Ratio Lower Upper

41 100

69 14.9 73.8 110.6#

39 33.0 40.0 60.0#

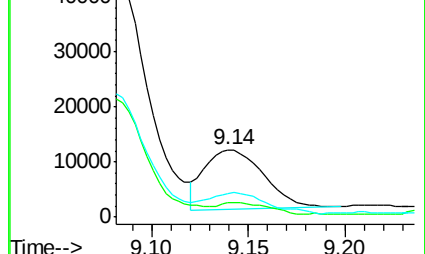
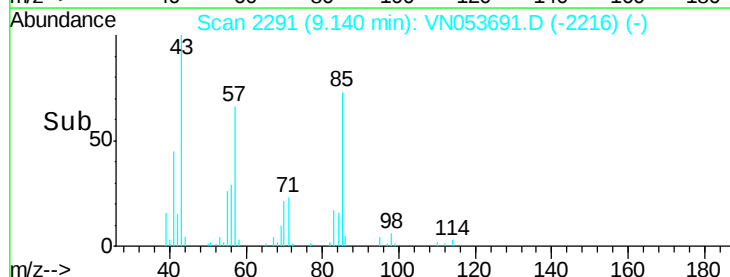


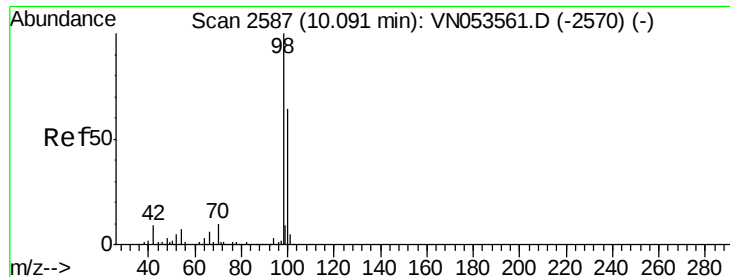
Abundance Ion 41.00 (40.70 to 41.70): VN053691.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053691.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053691.D (-2216) (-)

Time-->





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053691.D

Acq: 8 Feb 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

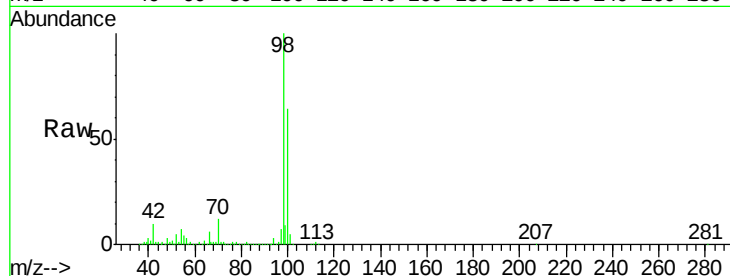
SB-09(13-16)MEDL

Tot Ion: 98 Resp: 1626425

Ion Ratio Lower Upper

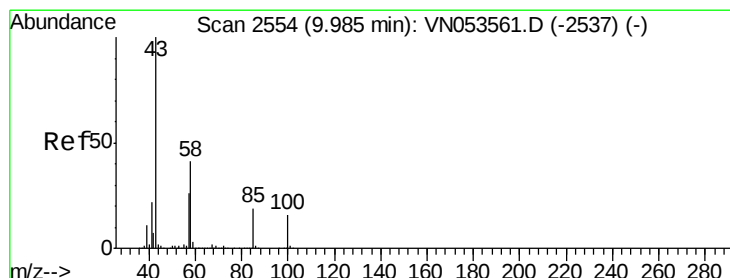
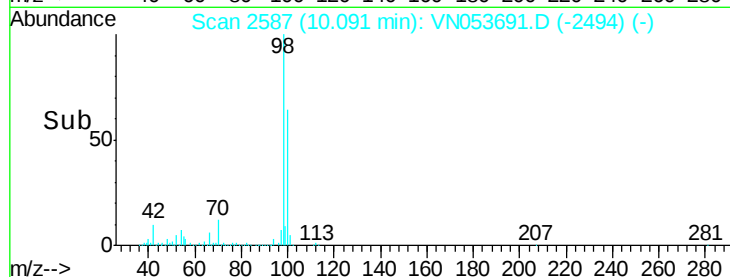
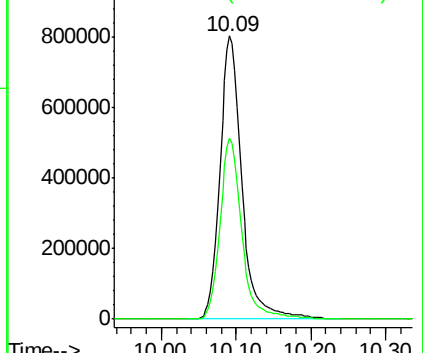
98 100

100 63.6 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: 2.033 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN053691.D

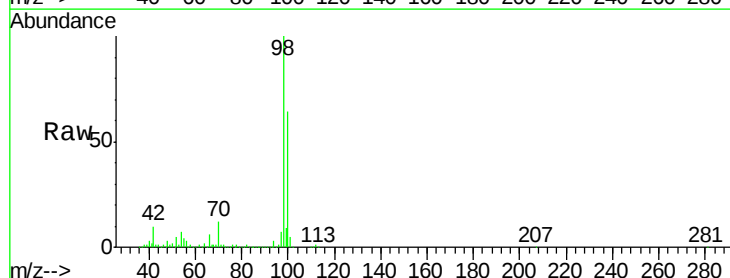
Acq: 8 Feb 2019 19:32

Tgt Ion: 43 Resp: 12926

Ion Ratio Lower Upper

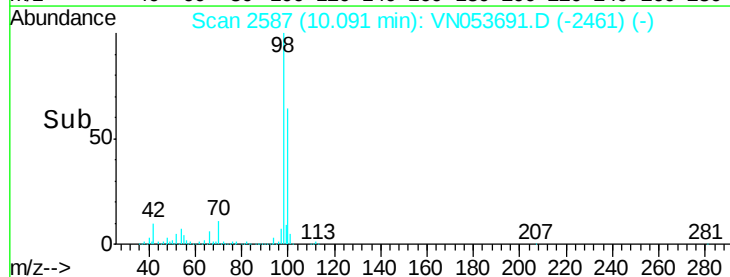
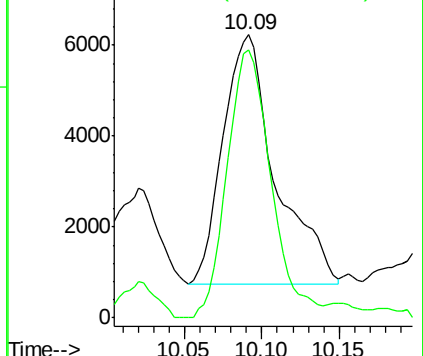
43 100

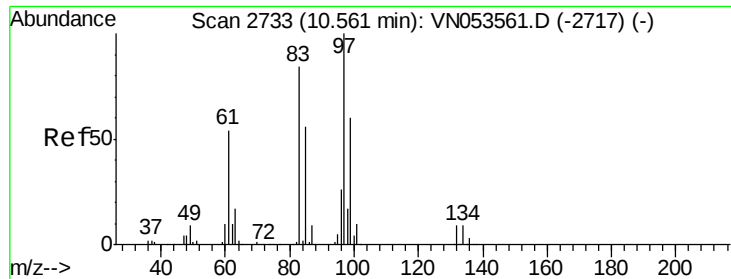
58 89.8 32.8 49.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

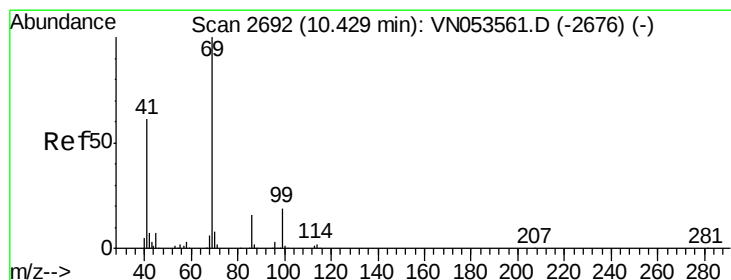
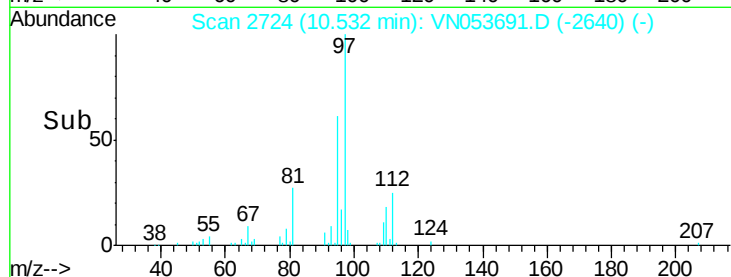
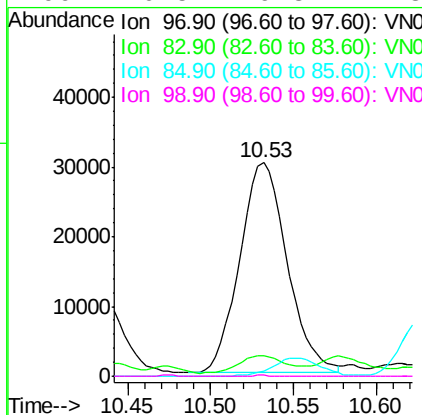
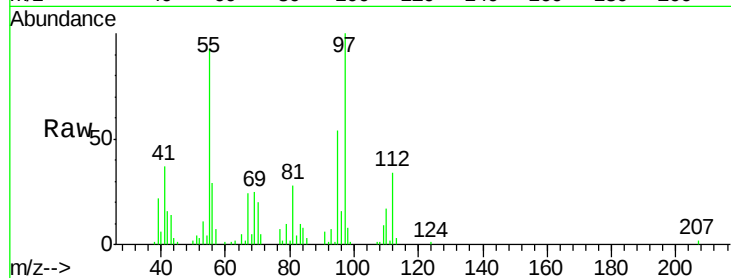




#55
 1,1,2-Trichloroethane
 Concen: 7.587 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.03 min
 Lab File: VN053691.D
 Acq: 8 Feb 2019 19:32

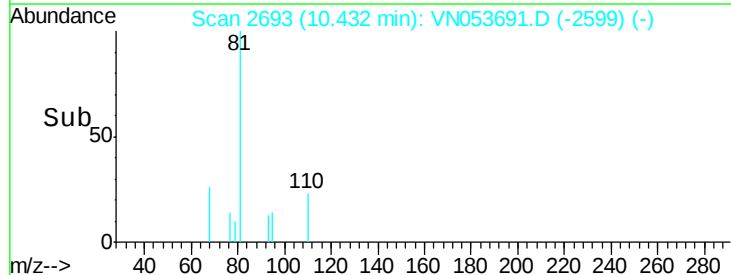
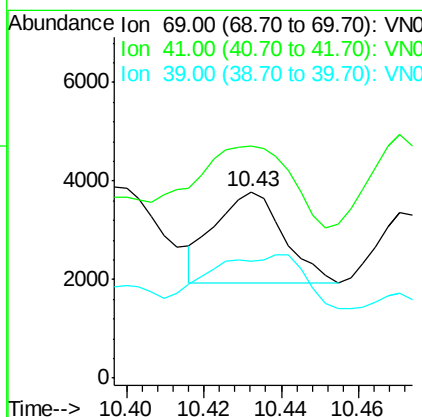
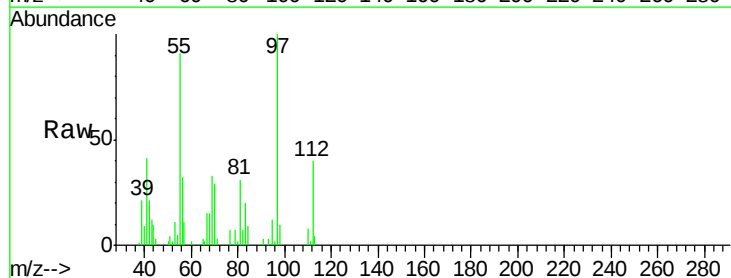
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-09(13-16)MEDL

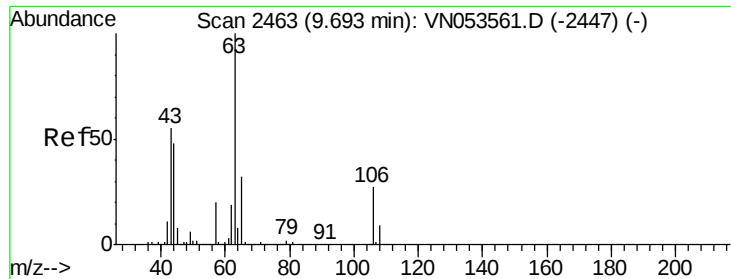
Tot Ion: 97 Resp: 60030
 Ion Ratio Lower Upper
 97 100
 83 7.3 70.1 105.1#
 85 2.6 45.4 68.0#
 99 0.5 49.8 74.8#



#56
 Ethyl methacrylate
 Concen: 0.243 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN053691.D
 Acq: 8 Feb 2019 19:32

Tgt Ion: 69 Resp: 2270
 Ion Ratio Lower Upper
 69 100
 41 0.0 49.4 74.0#
 39 80.7 23.3 34.9#





#58

2-Chloroethyl Vinyl ether

Concen: 8.108 ug/l

RT: 9.67 min Scan# 2456

Delta R.T. -0.02 min

Lab File: VN053691.D

Acq: 8 Feb 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

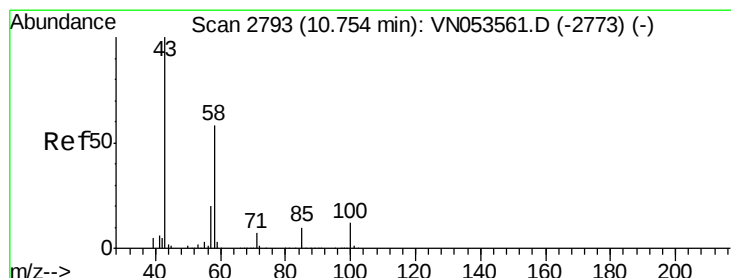
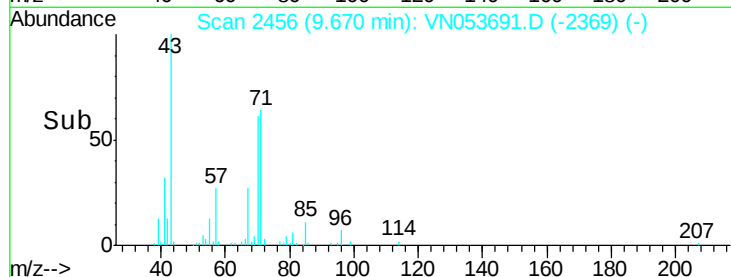
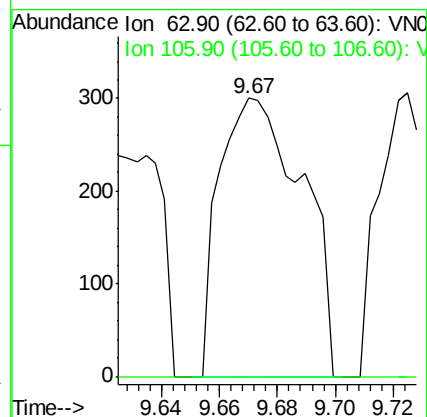
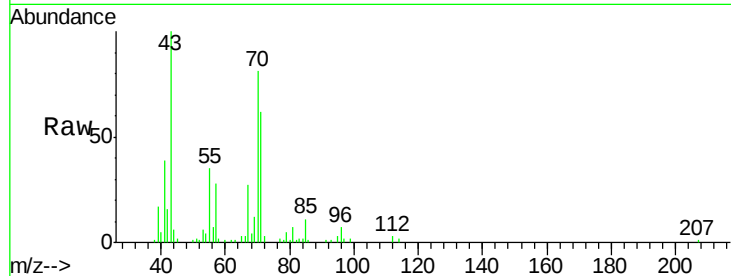
SB-09(13-16)MEDL

Tot Ion: 63 Resp: 597

Ion Ratio Lower Upper

63 100

106 0.0 21.5 32.3#



#59

2-Hexanone

Concen: 6.398 ug/l

RT: 10.72 min Scan# 2782

Delta R.T. -0.04 min

Lab File: VN053691.D

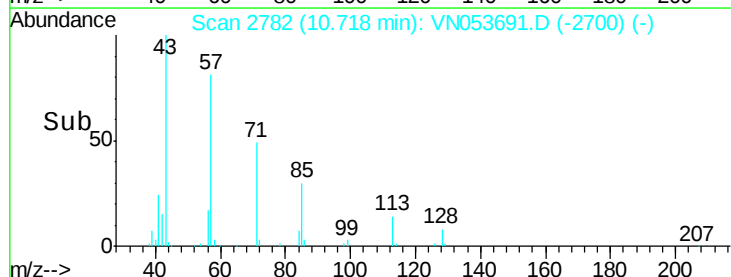
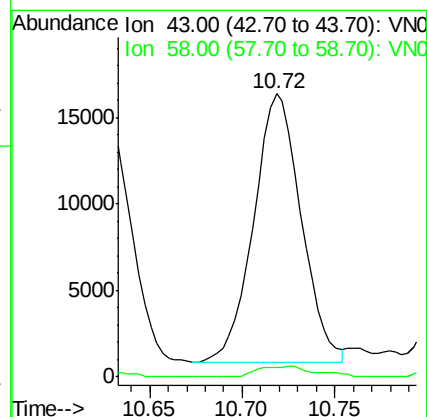
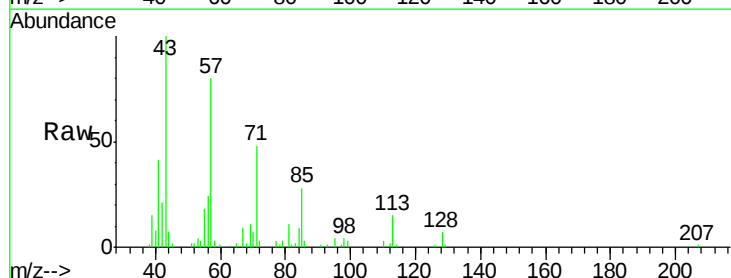
Acq: 8 Feb 2019 19:32

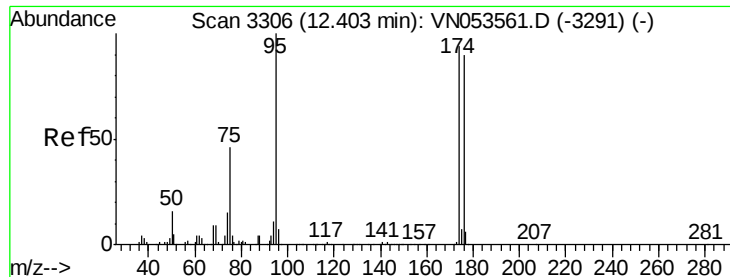
Tgt Ion: 43 Resp: 27619

Ion Ratio Lower Upper

43 100

58 4.2 28.6 85.8#





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053691.D

Acq: 8 Feb 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SB-09(13-16)MEDL

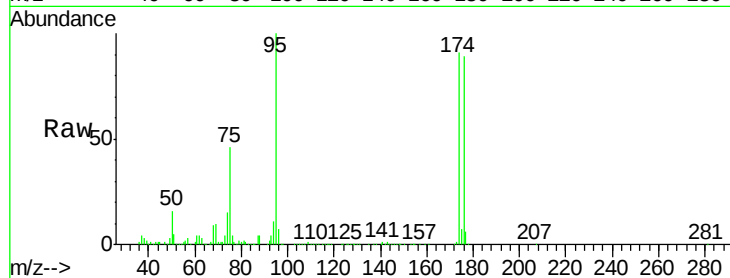
Tot Ion: 95 Resp: 531793

Ion Ratio Lower Upper

95 100

174 91.4 0.0 183.2

176 90.0 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053561.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053561.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053561.D (-3291) (-)

12.40

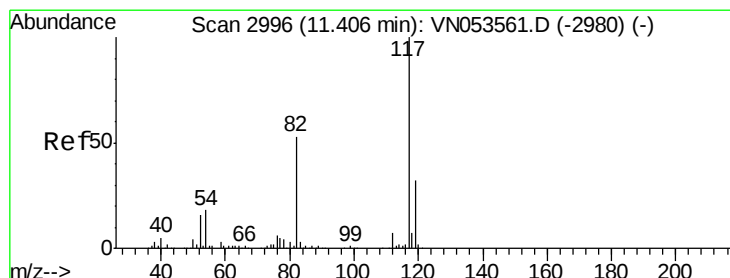
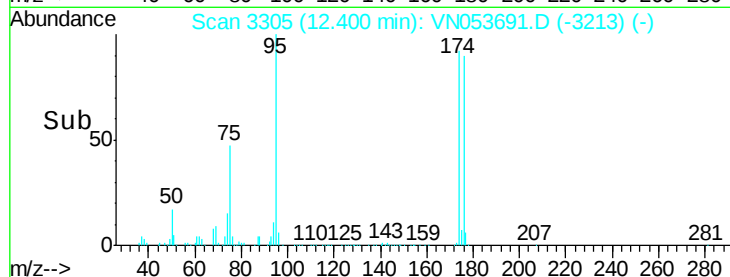
300000

200000

100000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053691.D

Acq: 8 Feb 2019 19:32

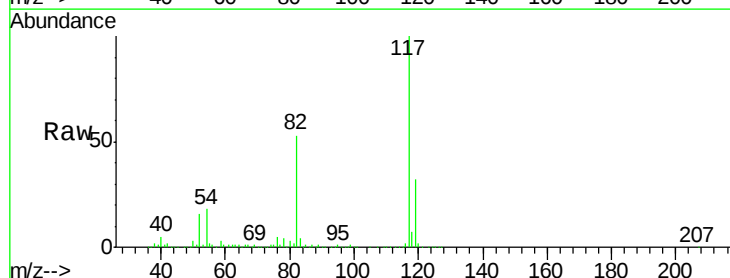
Tgt Ion: 117 Resp: 1189574

Ion Ratio Lower Upper

117 100

82 52.6 42.9 64.3

119 32.4 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): VN053561.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053561.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053561.D (-2980) (-)

11.41

800000

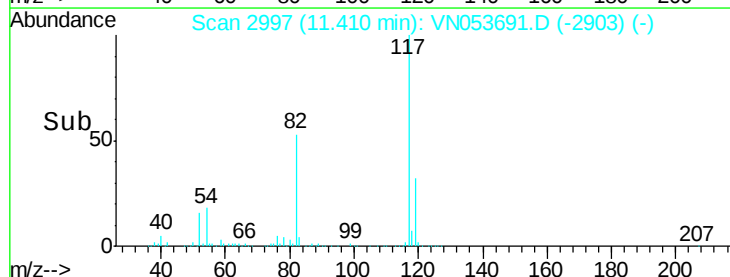
600000

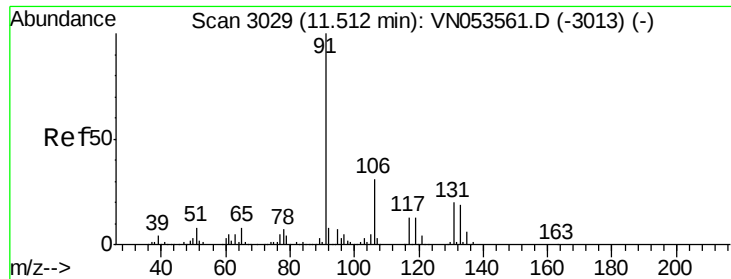
400000

200000

0

Time-->

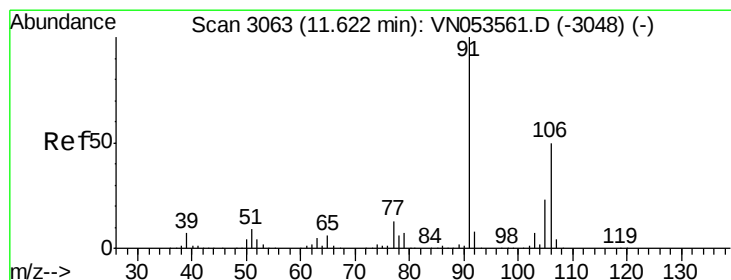
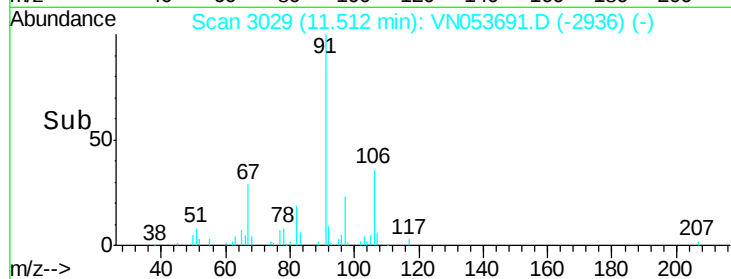
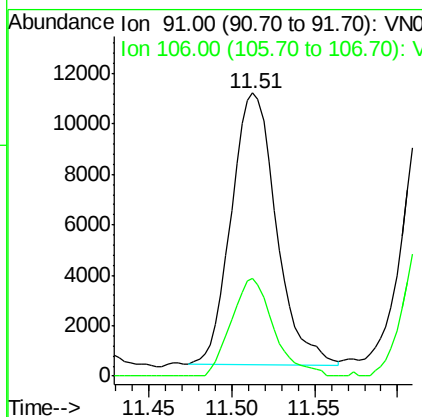
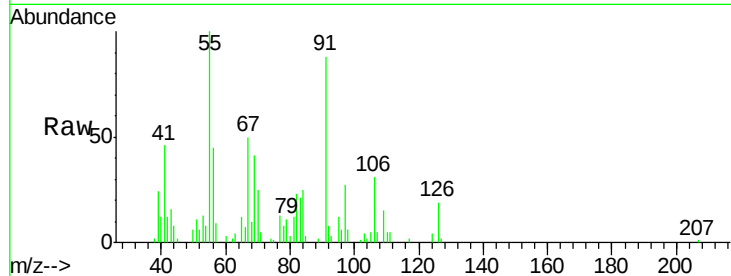




#67
Ethyl Benzene
Concen: 0.490 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053691.D
Acq: 8 Feb 2019 19:32

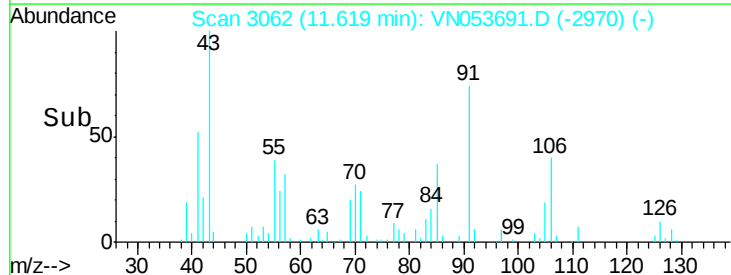
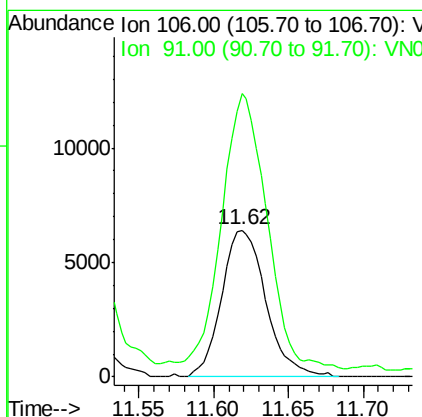
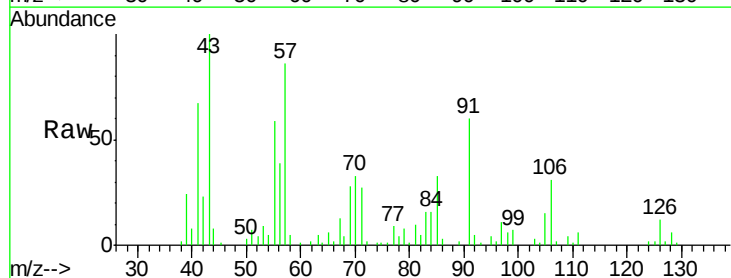
Instrument :
MSVOA_N
ClientSampled :
SB-09(13-16)MEDL

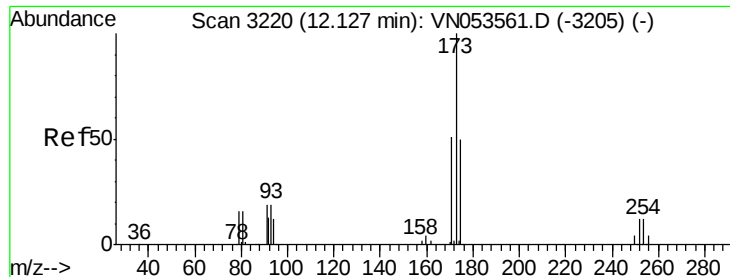
Tot Ion: 91 Resp: 20328
Ion Ratio Lower Upper
91 100
106 36.3 25.0 37.6



#68
m/p-Xylenes
Concen: 0.834 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053691.D
Acq: 8 Feb 2019 19:32

Tgt Ion: 106 Resp: 13208
Ion Ratio Lower Upper
106 100
91 190.6 161.4 242.2





#71

Bromoform

Concen: 0.536 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053691.D

Acq: 8 Feb 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SB-09(13-16)MEDL

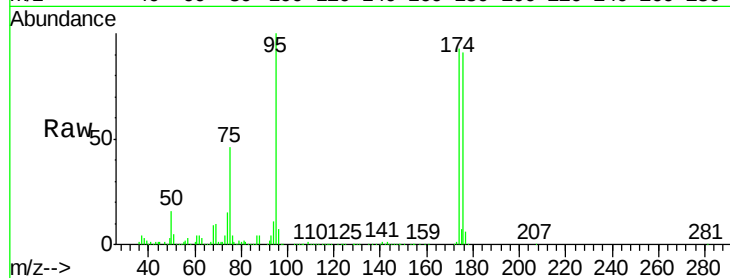
Tot Ion:173 Resp: 3243

Ion Ratio Lower Upper

173 100

175 937.3 24.6 74.0#

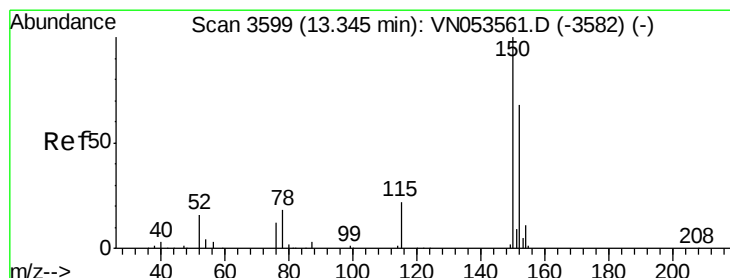
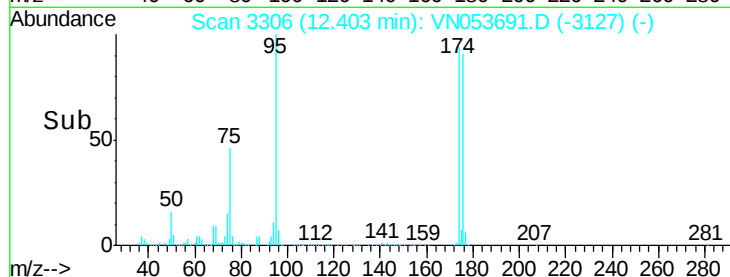
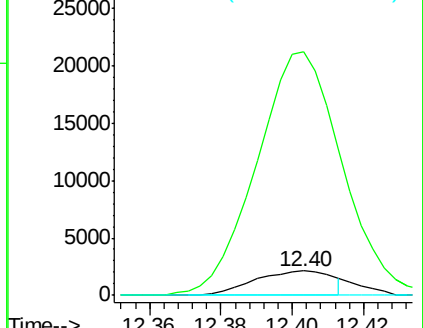
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053691.D

Acq: 8 Feb 2019 19:32

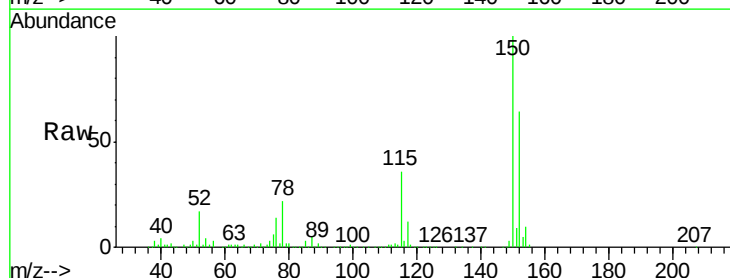
Tgt Ion:152 Resp: 511939

Ion Ratio Lower Upper

152 100

115 55.6 27.8 83.4

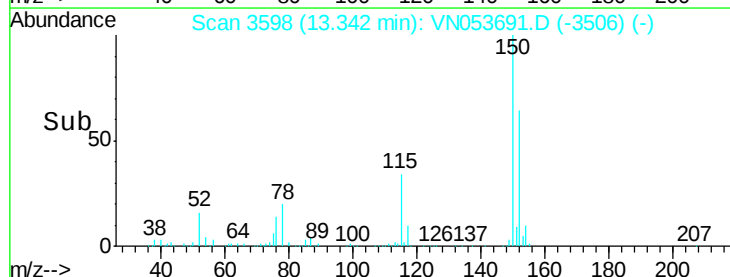
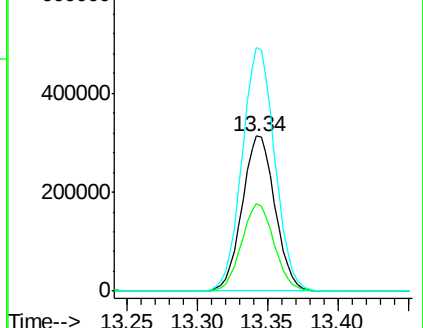
150 156.5 0.0 349.0

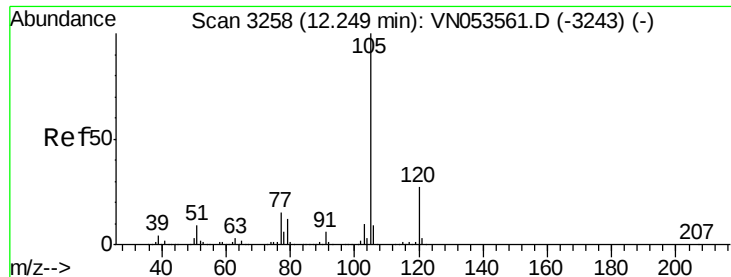


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.137 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053691.D

Acq: 8 Feb 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

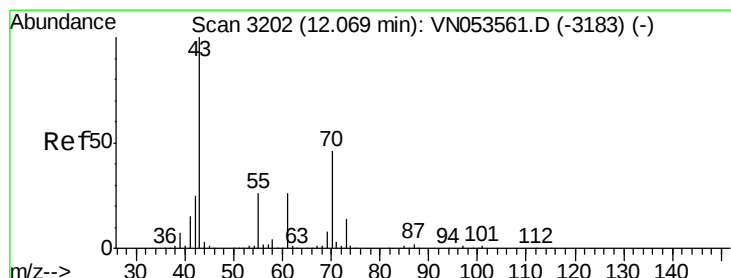
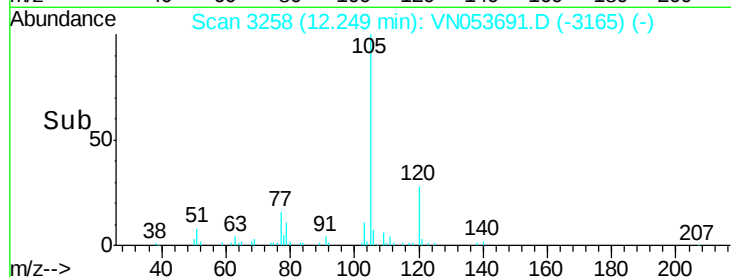
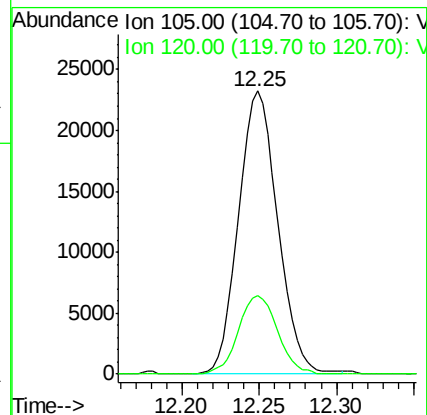
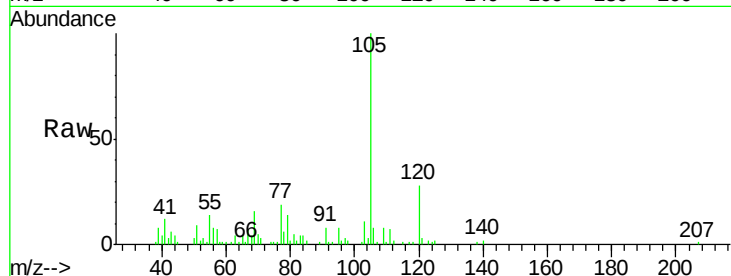
SB-09(13-16)MEDL

Tot Ion:105 Resp: 40914

Ion Ratio Lower Upper

105 100

120 27.7 13.6 40.7



#74

N-ethyl acetate

Concen: 1.870 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN053691.D

Acq: 8 Feb 2019 19:32

Tgt Ion: 43 Resp: 16187

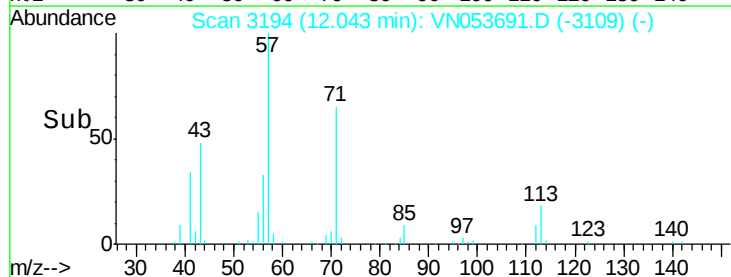
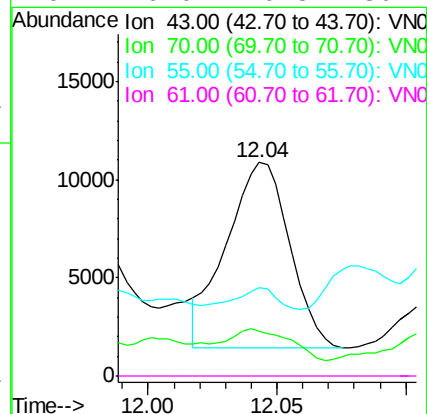
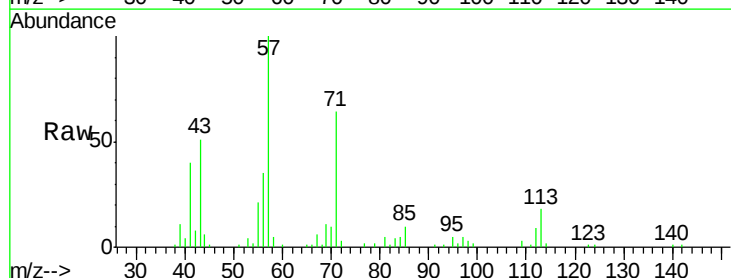
Ion Ratio Lower Upper

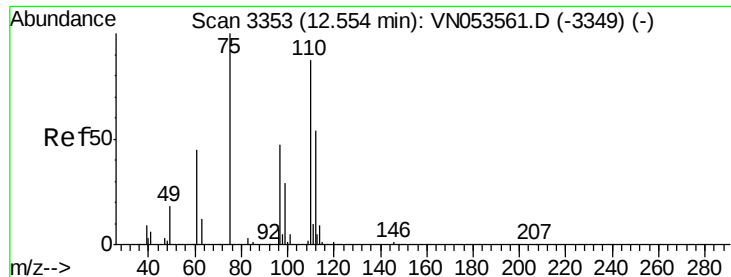
43 100

70 15.2 35.4 53.2#

55 0.0 20.9 31.3#

61 0.0 20.5 30.7#





#76

1,2,3-Trichloropropane

Concen: 37.073 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053691.D

Acq: 8 Feb 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

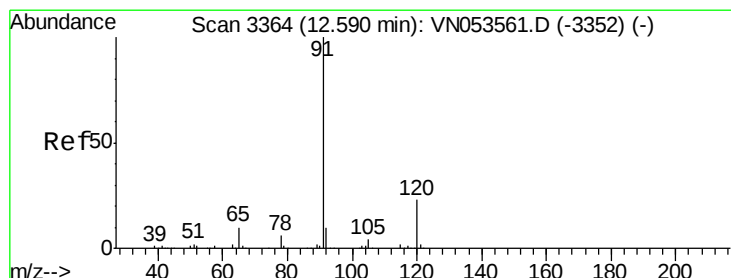
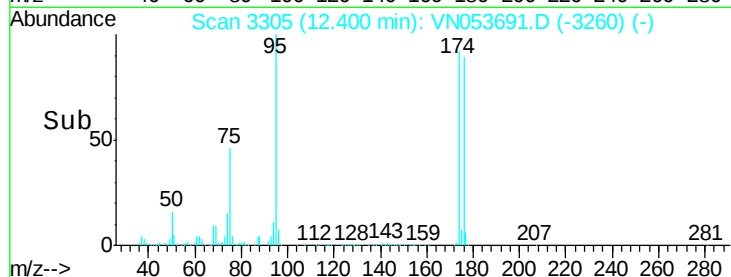
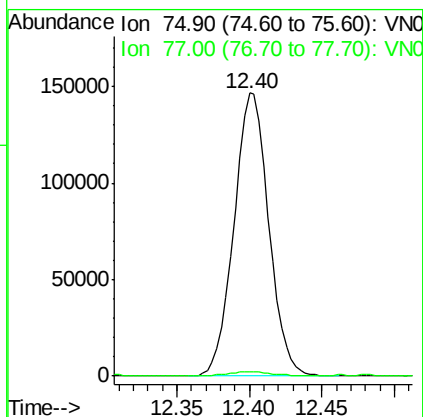
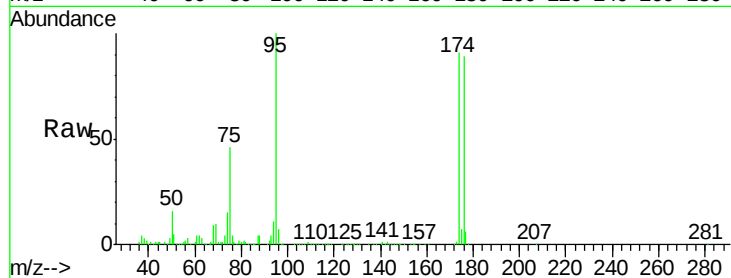
SB-09(13-16)MEDL

Tot Ion: 75 Resp: 243776

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#78

n-propylbenzene

Concen: 5.342 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053691.D

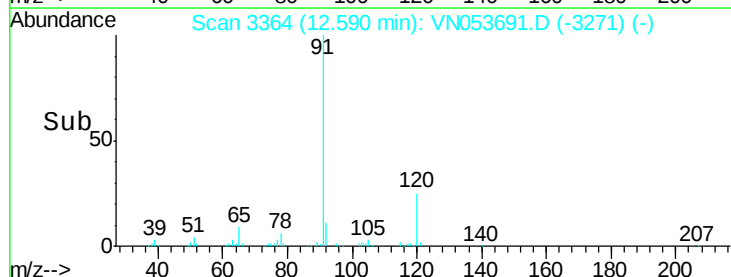
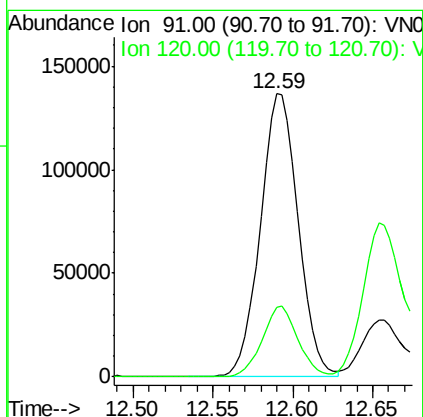
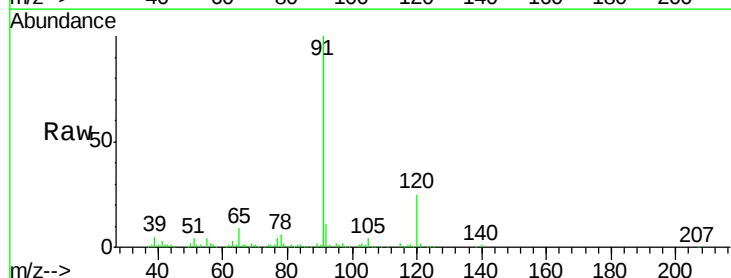
Acq: 8 Feb 2019 19:32

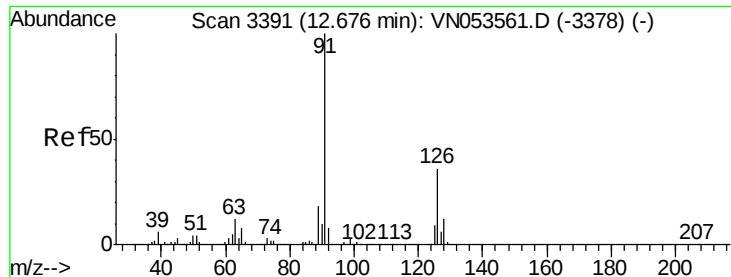
Tgt Ion: 91 Resp: 222263

Ion Ratio Lower Upper

91 100

120 23.8 11.9 35.5

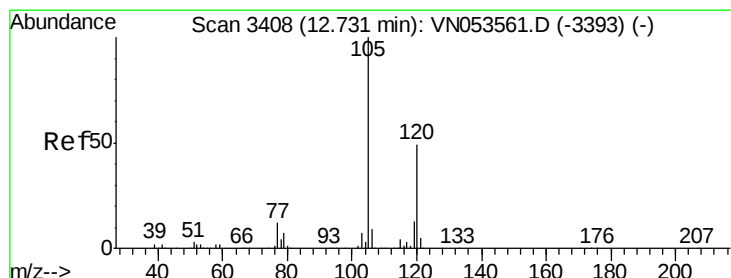
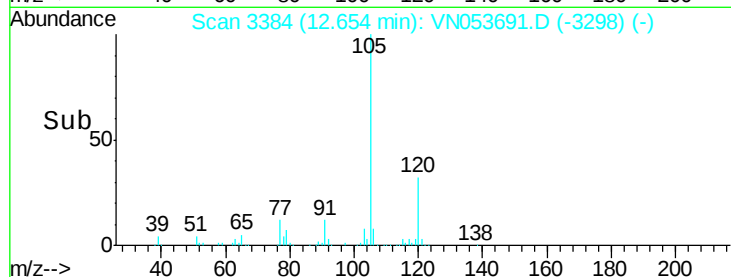
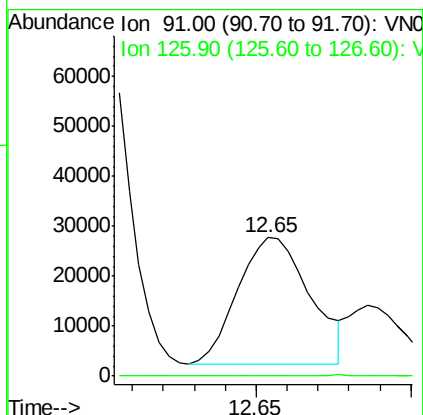
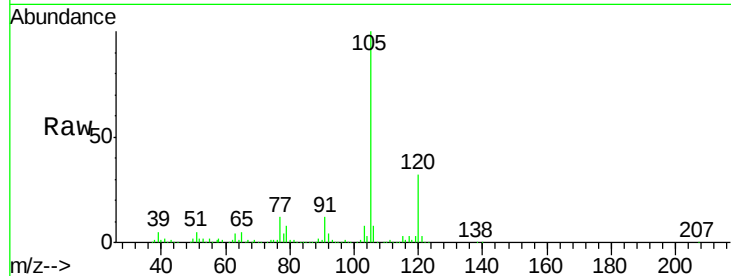




#79
 2-Chlorotoluene
 Concen: 1.664 ug/l
 RT: 12.65 min Scan# 3384
 Delta R.T. -0.02 min
 Lab File: VN053691.D
 Acq: 8 Feb 2019 19:32

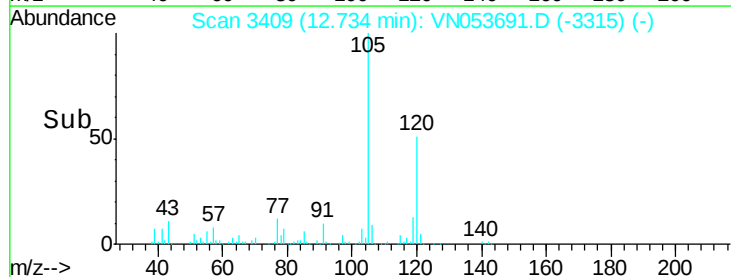
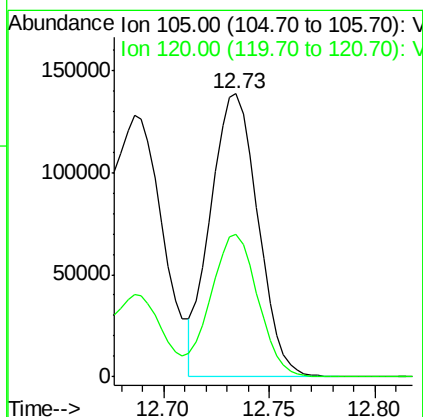
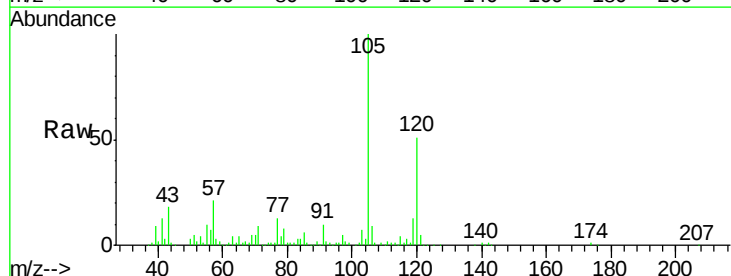
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-09(13-16)MEDL

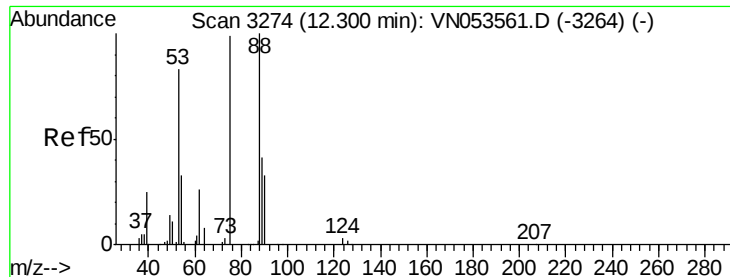
Tot Ion: 91 Resp: 41073
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.9 53.7#



#80
 1,3,5-Trimethylbenzene
 Concen: 7.219 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053691.D
 Acq: 8 Feb 2019 19:32

Tgt Ion: 105 Resp: 215442
 Ion Ratio Lower Upper
 105 100
 120 50.7 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 104.247 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053691.D

Acq: 8 Feb 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SB-09(13-16)MEDL

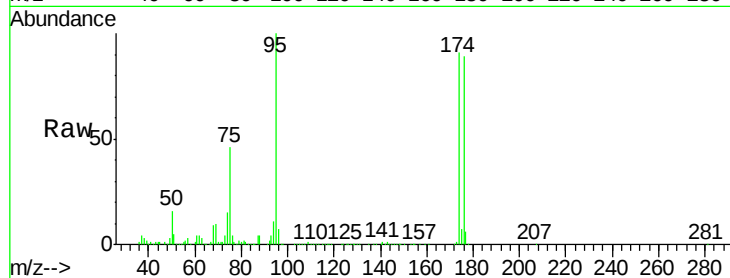
Tot Ion: 75 Resp: 243776

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

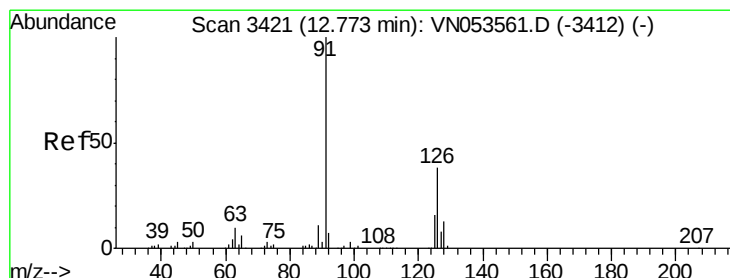
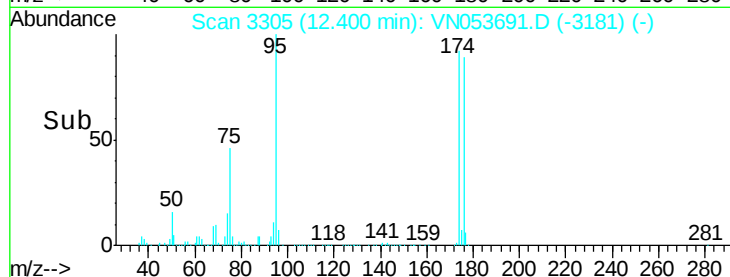
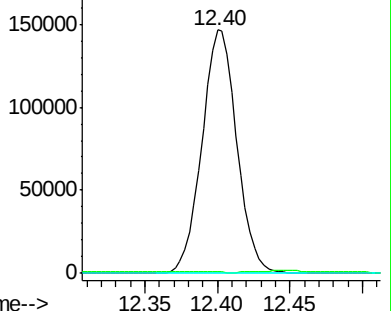
89 0.0 35.6 53.4#



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



#82

4-Chlorotoluene

Concen: 0.767 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN053691.D

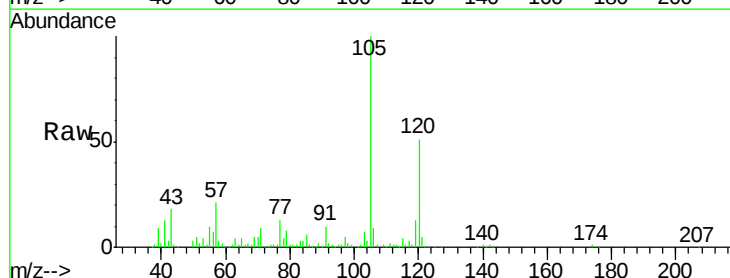
Acq: 8 Feb 2019 19:32

Tgt Ion: 91 Resp: 19434

Ion Ratio Lower Upper

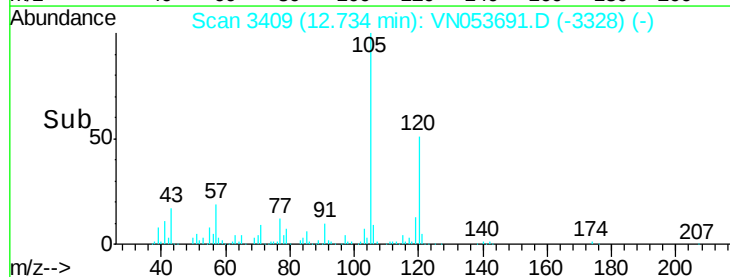
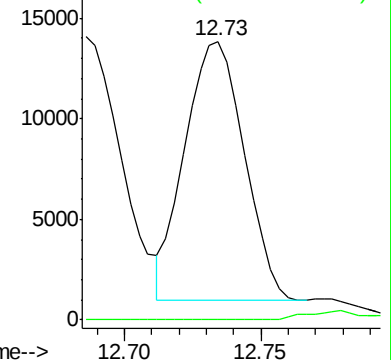
91 100

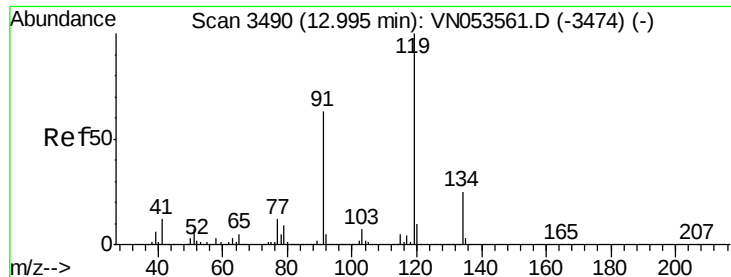
126 0.0 17.6 52.9#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

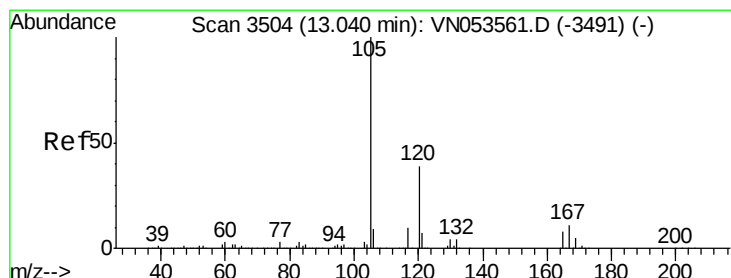
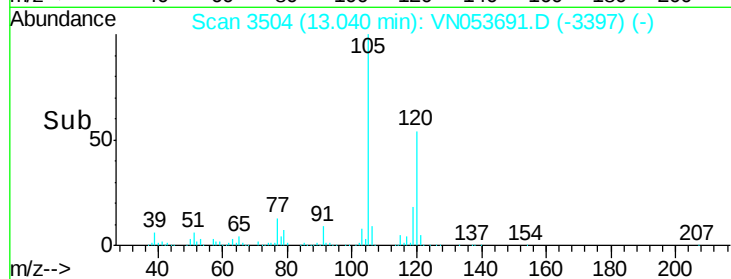
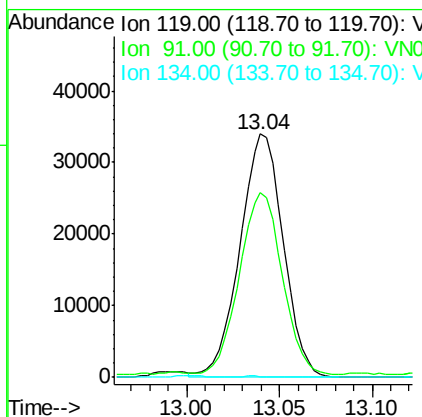
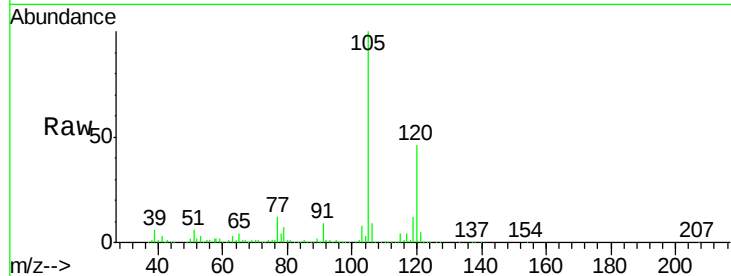




#83
 tert-Butylbenzene
 Concen: 2.090 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.05 min
 Lab File: VN053691.D
 Acq: 8 Feb 2019 19:32

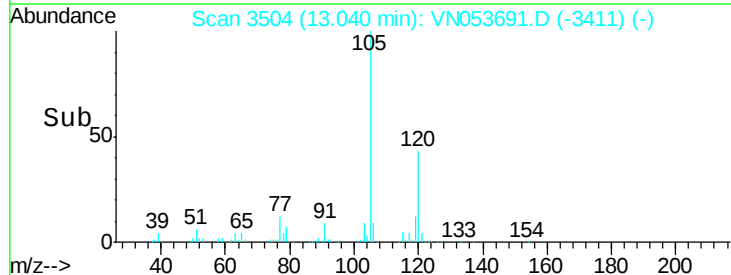
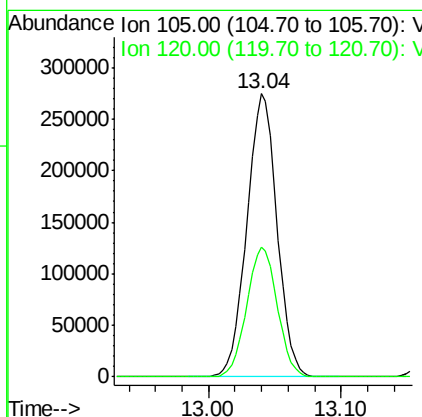
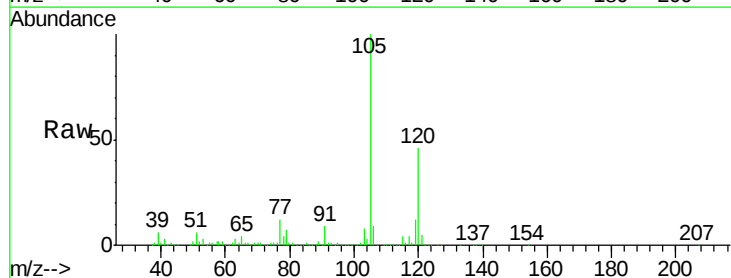
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-09(13-16)MEDL

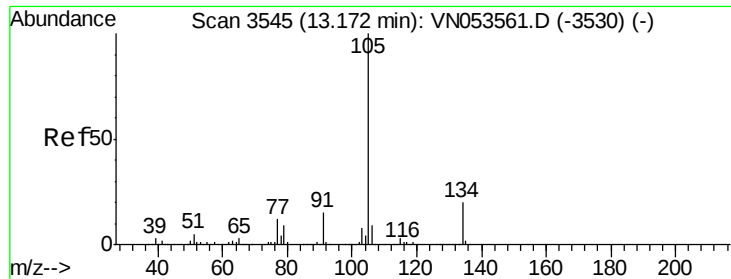
Tot Ion:119 Resp: 55114
 Ion Ratio Lower Upper
 119 100
 91 73.7 31.3 93.8
 134 0.0 12.9 38.7#



#84
 1,2,4-Trimethylbenzene
 Concen: 14.224 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053691.D
 Acq: 8 Feb 2019 19:32

Tgt Ion:105 Resp: 432488
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.0 69.0





#85

sec-Butylbenzene

Concen: 1.251 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053691.D

Acq: 8 Feb 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

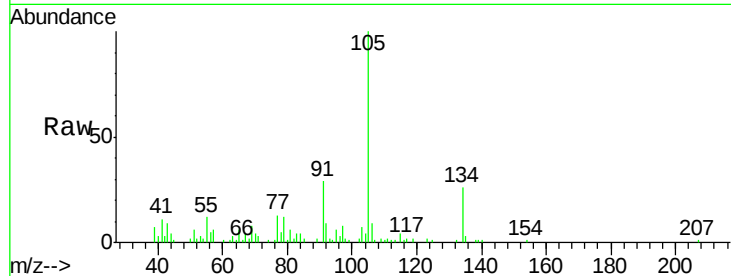
SB-09(13-16)MEDL

Tot Ion:105 Resp: 44886

Ion Ratio Lower Upper

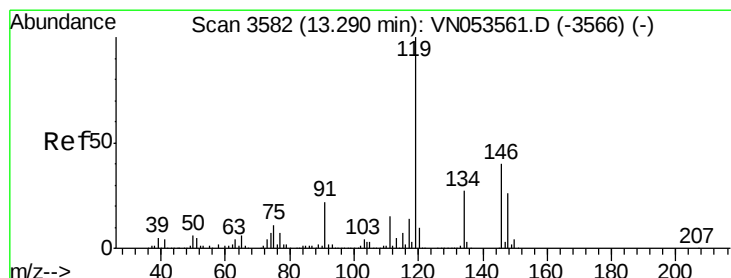
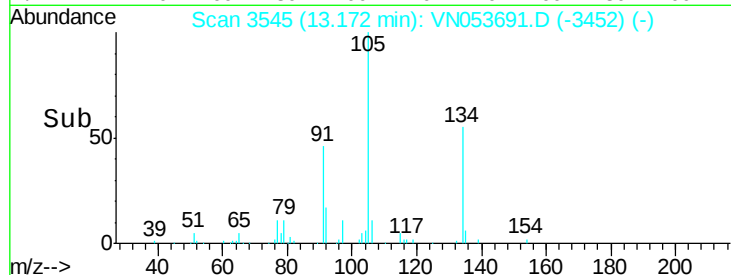
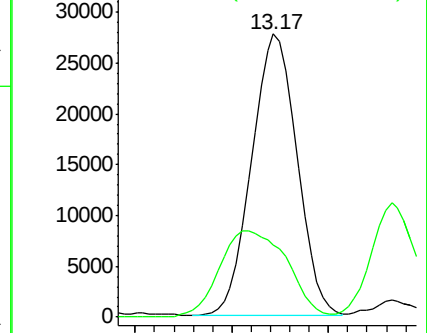
105 100

134 45.9 10.2 30.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.794 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053691.D

Acq: 8 Feb 2019 19:32

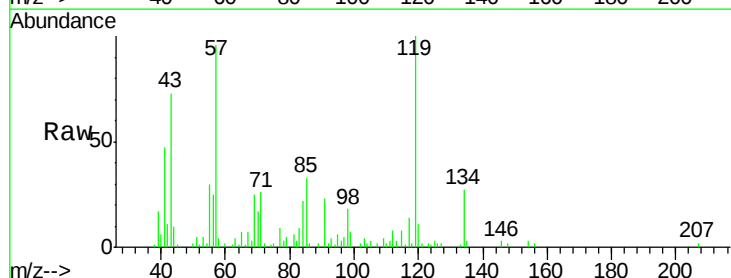
Tgt Ion:119 Resp: 24938

Ion Ratio Lower Upper

119 100

134 27.6 13.5 40.4

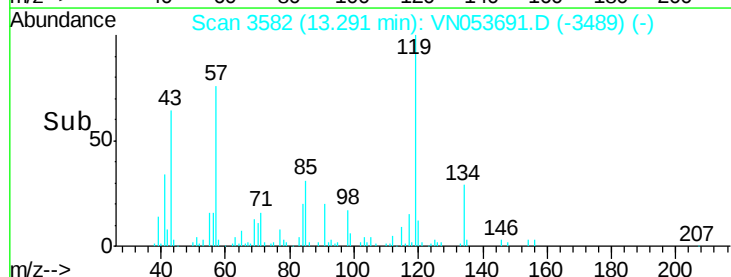
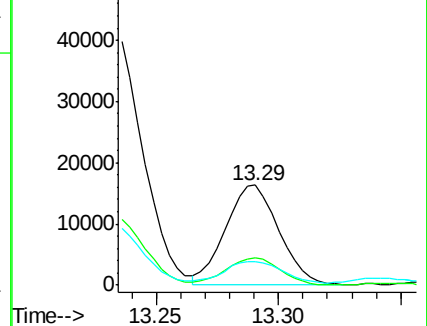
91 22.4 11.0 33.0

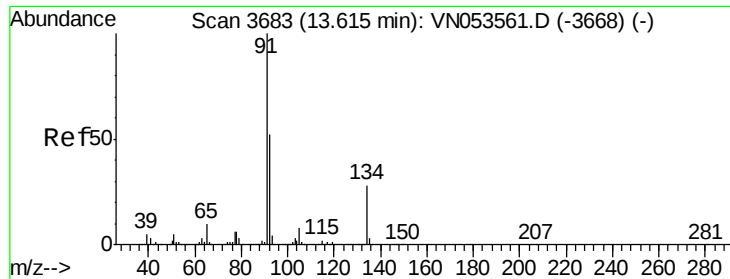


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 4.015 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053691.D

Acq: 8 Feb 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SB-09(13-16)MEDL

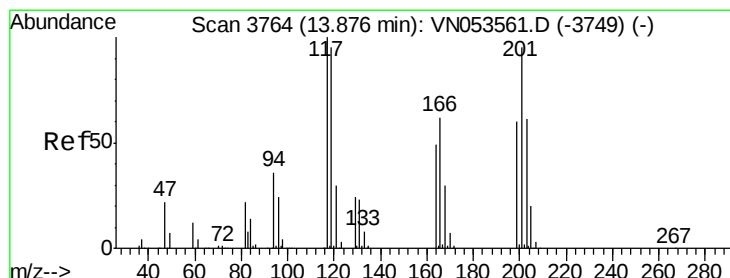
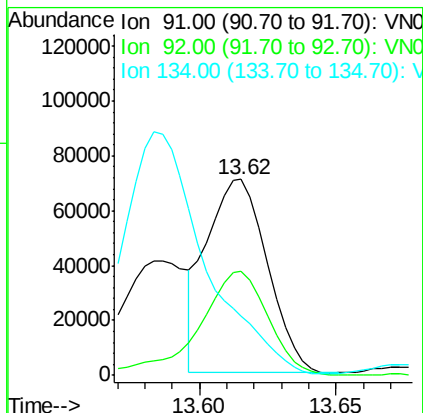
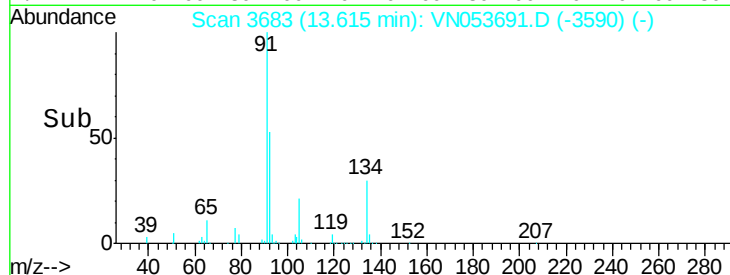
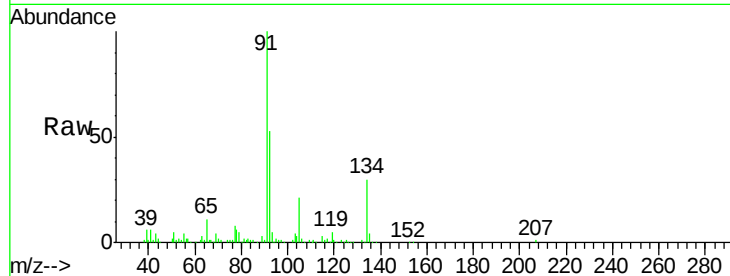
Tot Ion: 91 Resp: 109080

Ion Ratio Lower Upper

91 100

92 60.7 26.3 78.8

134 0.0 13.5 40.5#



#90

Hexachloroethane

Concen: 5.506 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053691.D

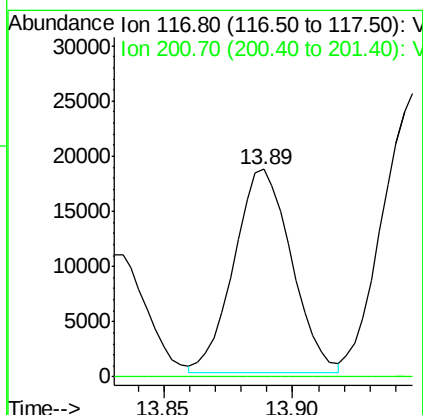
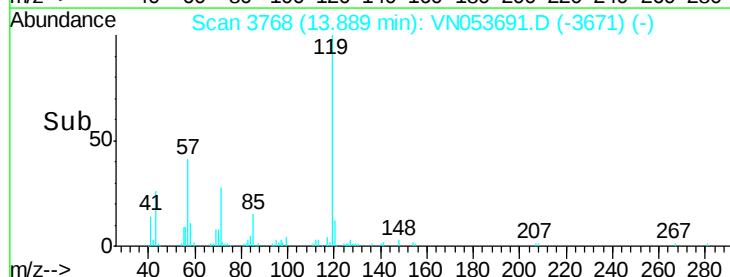
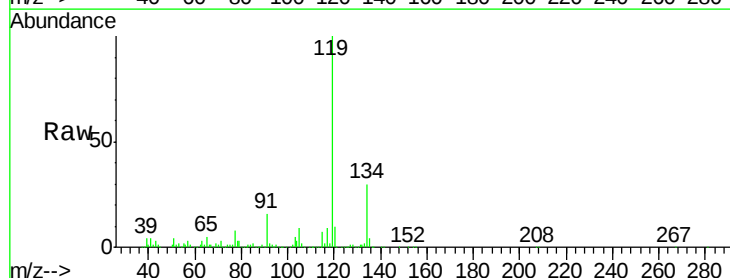
Acq: 8 Feb 2019 19:32

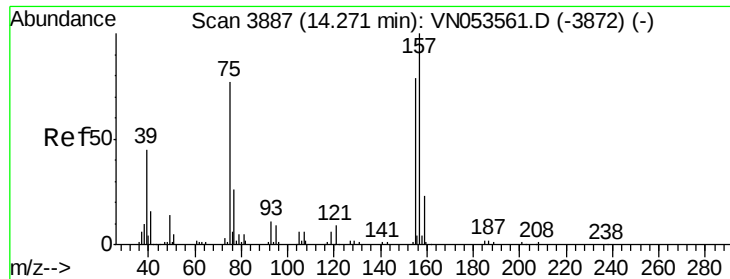
Tgt Ion: 117 Resp: 28511

Ion Ratio Lower Upper

117 100

201 0.0 46.8 140.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.790 ug/l

RT: 14.30 min Scan# 3895

Delta R.T. 0.03 min

Lab File: VN053691.D

Acq: 8 Feb 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SB-09(13-16)MEDL

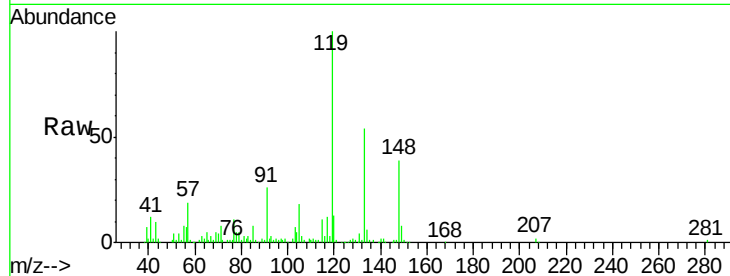
Tot Ion: 75 Resp: 970

Ion Ratio Lower Upper

75 100

155 0.0 48.9 146.7#

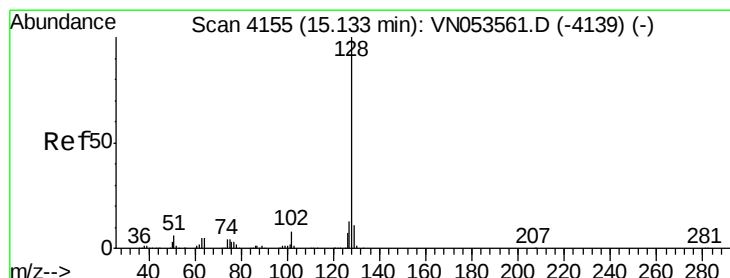
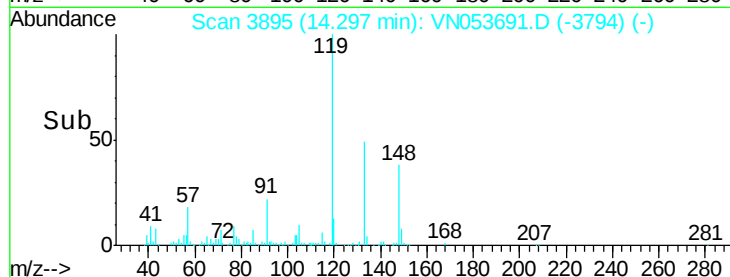
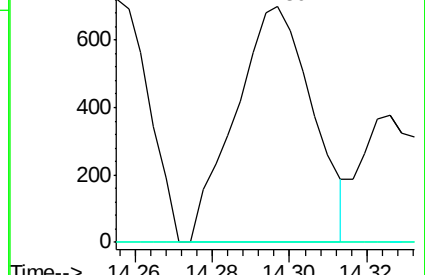
157 0.0 63.7 191.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 2.222 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053691.D

Acq: 8 Feb 2019 19:32

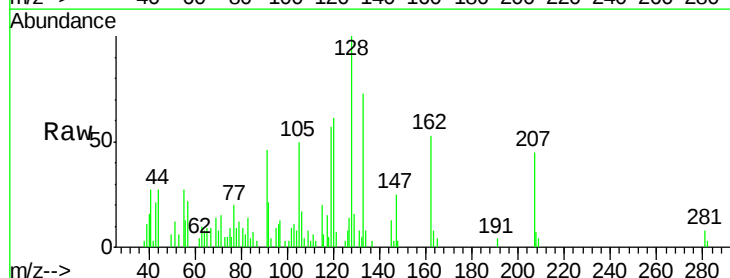
Tgt Ion:128 Resp: 11305

Ion Ratio Lower Upper

128 100

127 11.8 10.3 15.5

129 5.3 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

