

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082418\
 Data File : VN050862.D
 Acq On : 24 Aug 2018 8:41
 Operator : MD\SY
 Sample : VN0824WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBL01

Quant Time: Aug 24 14:02:39 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA N\methods\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	106561	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	544624	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	464127	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	209249	28.89	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.30%
60) 4-Bromofluorobenzene	12.40	95	148591	20.84	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	69.47%
63) Toluene-d8	10.09	98	641670	28.94	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.47%

Target Compounds

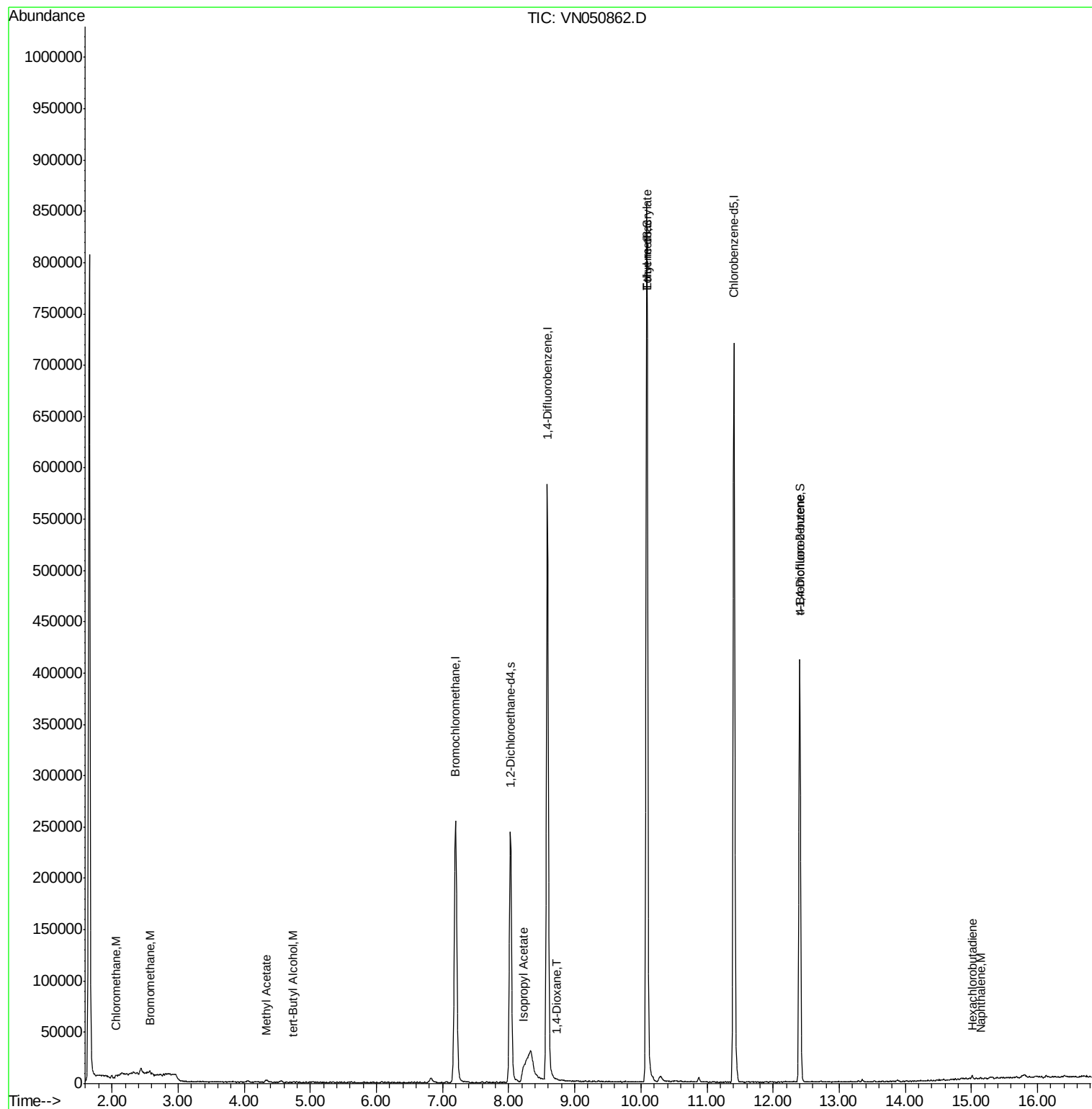
					Ovalue
3) Chloromethane	2.06	50	1955	0.258 ug/l	92
5) Bromomethane	2.56	94	1888	0.384 ug/l #	73
12) Methyl Acetate	4.33	43	2216	0.340 ug/l	95
23) tert-Butyl Alcohol	4.74	59	100	0.206 ug/l #	100
44) Isopropyl Acetate	8.22	43	7784	0.759 ug/l #	59
45) 1,4-Dioxane	8.73	88	59	0.874 ug/l #	1
51) Ethyl methacrylate	10.10	69	2102	0.289 ug/l #	76
77) t-1,4-Dichloro-2-butene	12.40	75	70418	34.806 ug/l #	14
90) Hexachlorobutadiene	15.01	225	842	0.223 ug/l	82
91) Naphthalene	15.13	128	820	7.685 ug/l #	69

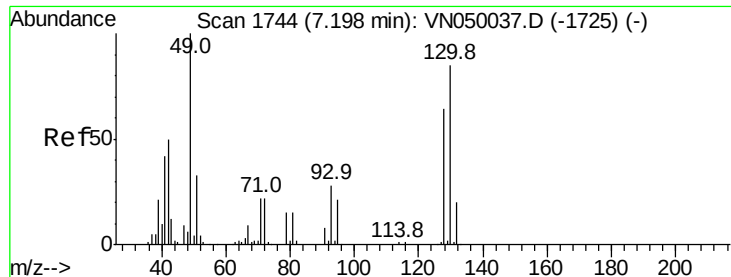
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

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MSVOA_N
ClientSampleId :
VN0824WBL01

Quant Time: Aug 24 14:02:39 2018
Quant Method : Z:\voasrv\HPCHEM1\MSVOA N\methods\624N072518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 26 15:21:50 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN050862.D

Acq: 24 Aug 2018 8:41

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBL01

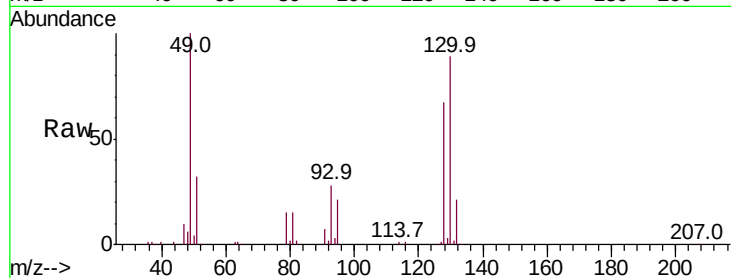
Tot Ion:128 Resp: 106561

Ion Ratio Lower Upper

128 100

49 150.8 0.0 378.3

130 130.5 0.0 320.7

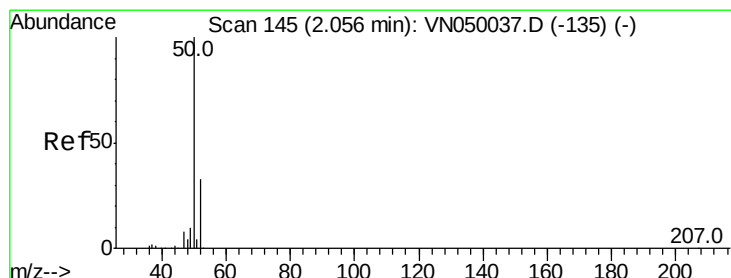
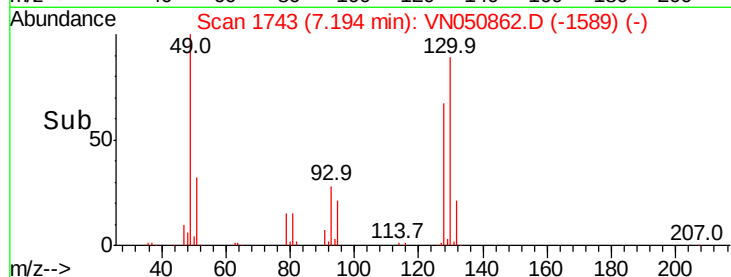
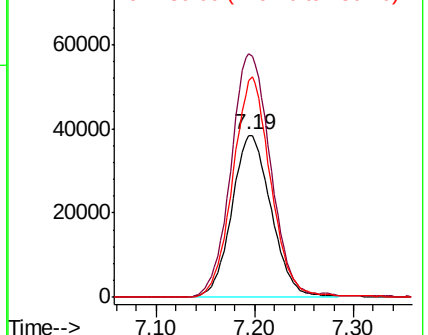


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#3

Chloromethane

Concen: 0.258 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050862.D

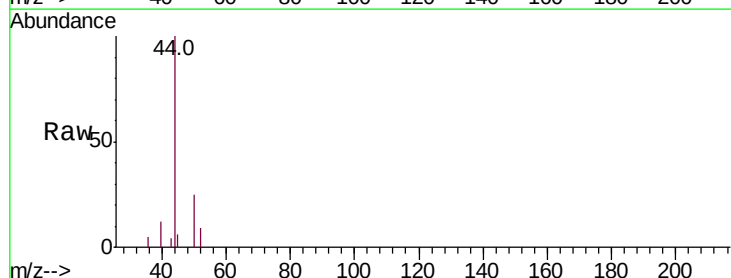
Acq: 24 Aug 2018 8:41

Tgt Ion: 50 Resp: 1955

Ion Ratio Lower Upper

50 100

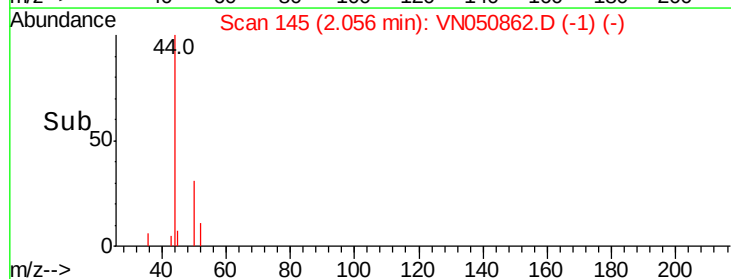
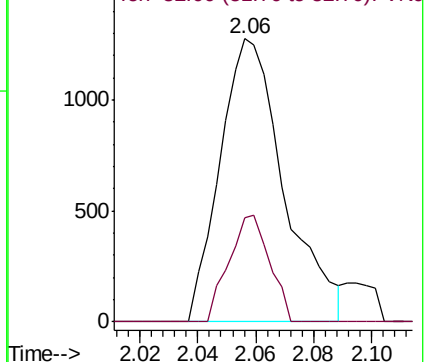
52 36.8 26.1 39.1

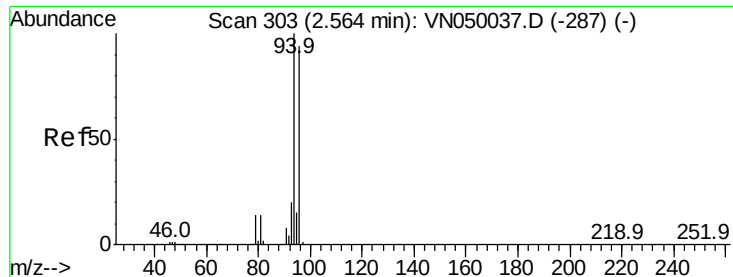


Abundance

Ion 50.00 (49.70 to 50.70): VN

Ion 52.00 (51.70 to 52.70): VN





#5

Bromomethane

Concen: 0.384 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN050862.D

Acq: 24 Aug 2018 8:41

Instrument :

MSVOA_N

ClientSampled :

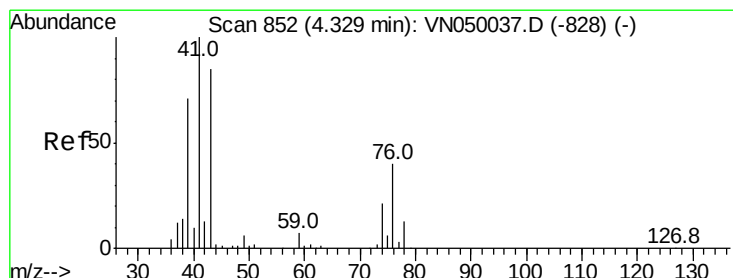
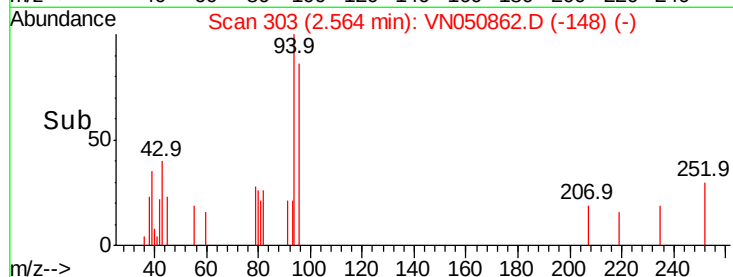
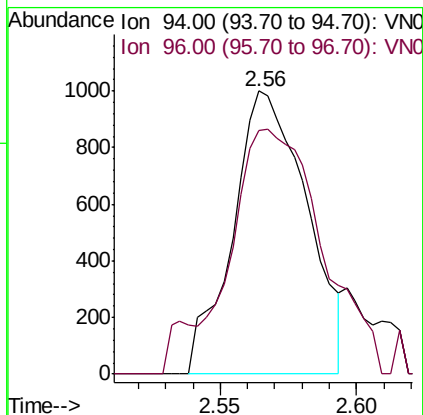
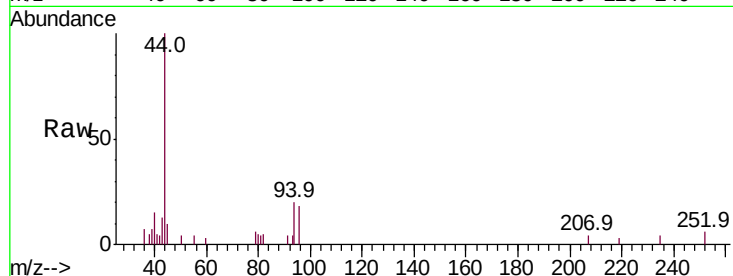
VN0824WBL01

Tot Ion: 94 Resp: 1888

Ion Ratio Lower Upper

94 100

96 68.6 75.9 113.9#



#12

Methyl Acetate

Concen: 0.340 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN050862.D

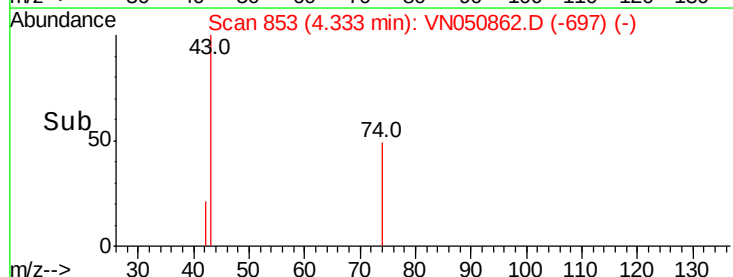
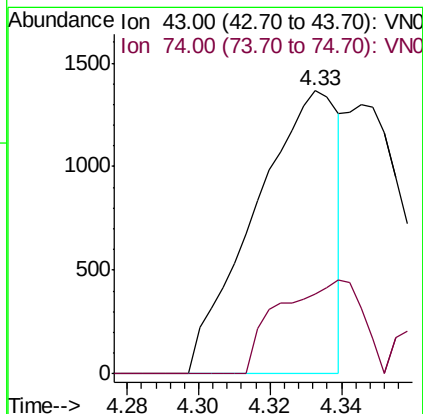
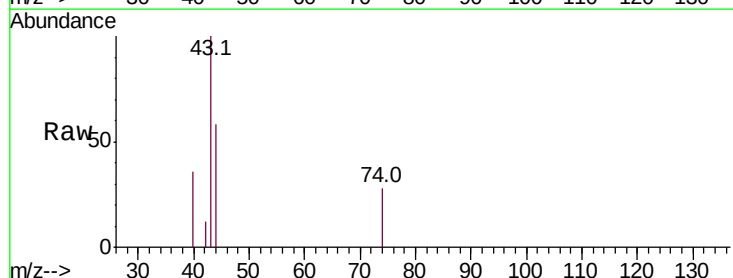
Acq: 24 Aug 2018 8:41

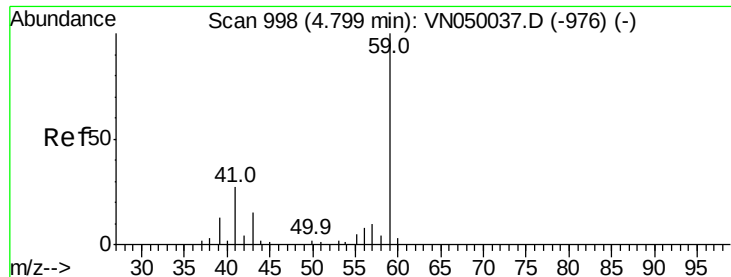
Tgt Ion: 43 Resp: 2216

Ion Ratio Lower Upper

43 100

74 21.9 19.3 28.9



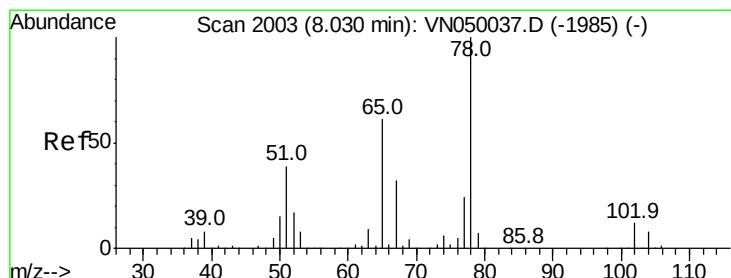
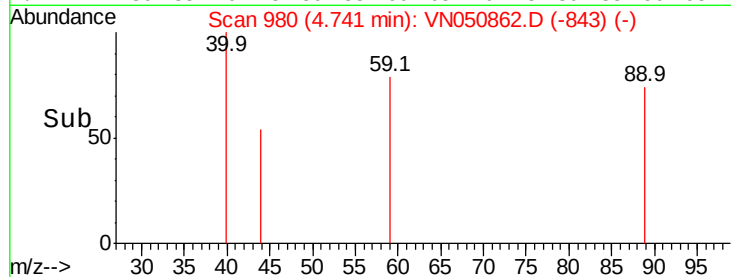
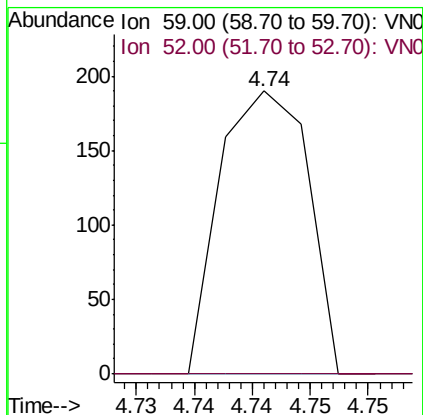
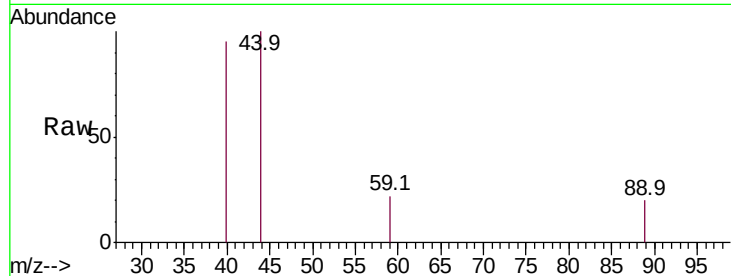


#23

tert-Butyl Alcohol
 Concen: 0.206 ug/l
 RT: 4.74 min Scan# 980
 Delta R.T. -0.06 min
 Lab File: VN050862.D
 Acq: 24 Aug 2018 8:41

Instrument :
 MSVOA_N
 ClientSampled :
 VN0824WBL01

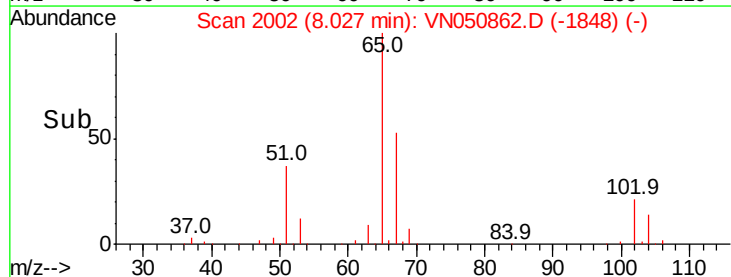
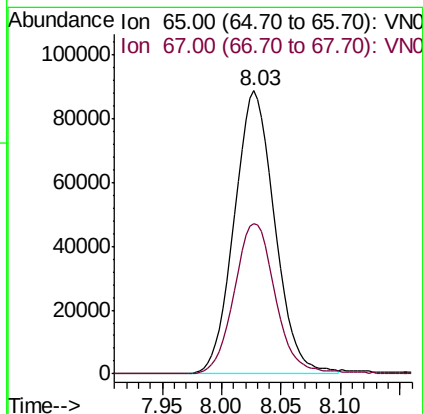
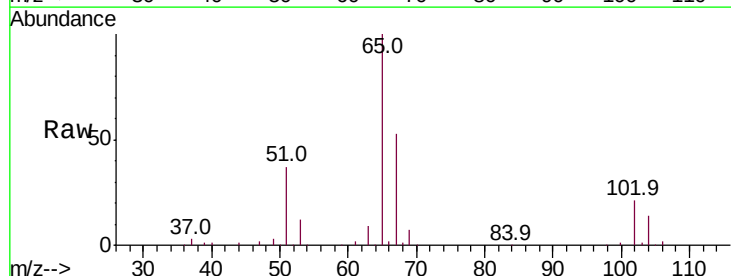
Tot Ion: 59 Resp: 100
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

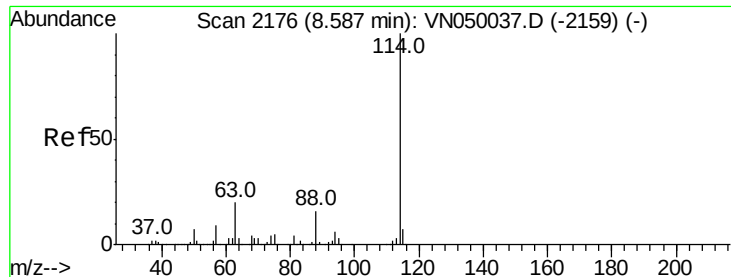


#27

1,2-Dichloroethane-d4
 Concen: 28.889 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050862.D
 Acq: 24 Aug 2018 8:41

Tgt Ion: 65 Resp: 209249
 Ion Ratio Lower Upper
 65 100
 67 53.5 42.7 64.1

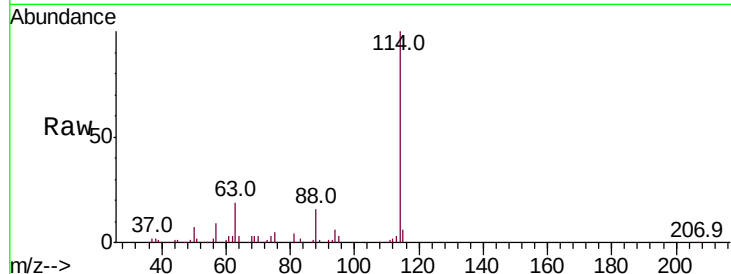




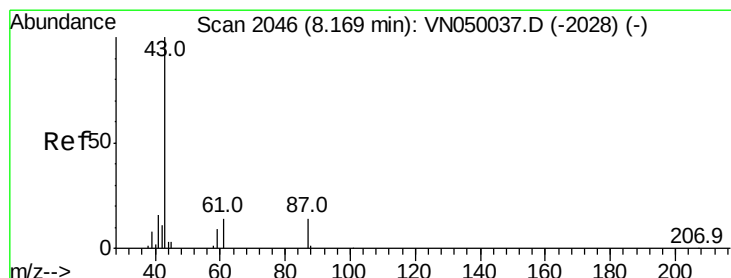
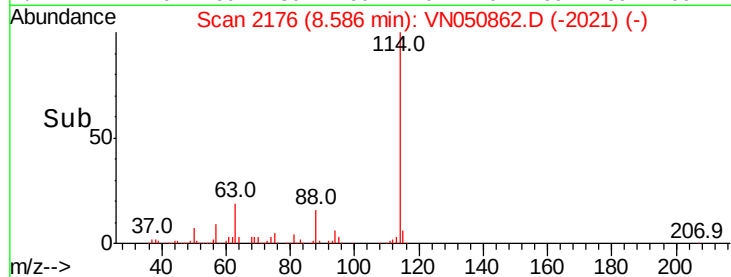
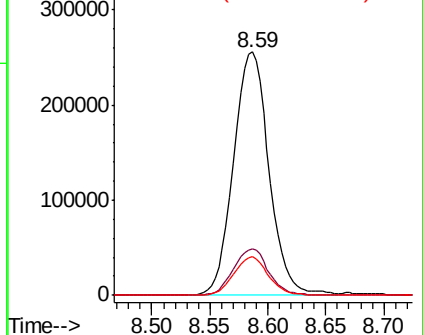
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050862.D
 Acq: 24 Aug 2018 8:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBL01

Tot Ion:114 Resp: 544624
 Ion Ratio Lower Upper
 114 100
 63 19.0 16.2 24.2
 88 15.4 12.3 18.5

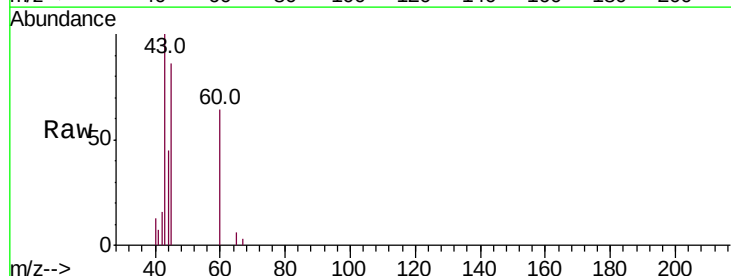


Abundance Ion 114.00 (113.70 to 114.70): VN0
 Ion 63.00 (62.70 to 63.70): VN0
 Ion 88.00 (87.70 to 88.70): VN0

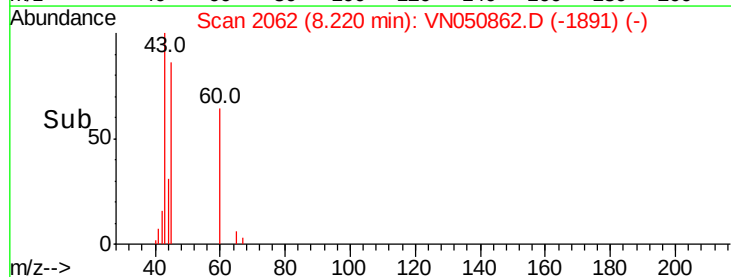
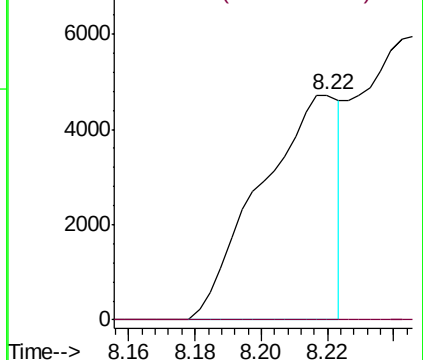


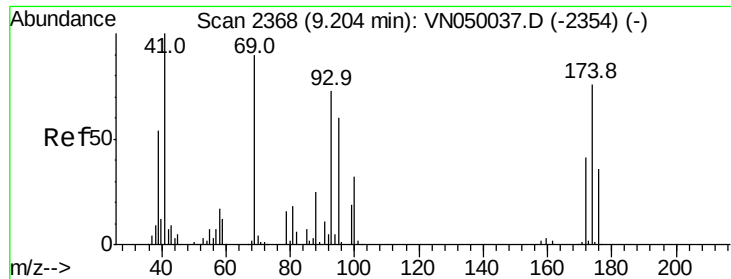
#44
 Isopropyl Acetate
 Concen: 0.759 ug/l
 RT: 8.22 min Scan# 2062
 Delta R.T. 0.05 min
 Lab File: VN050862.D
 Acq: 24 Aug 2018 8:41

Tgt Ion: 43 Resp: 7784
 Ion Ratio Lower Upper
 43 100
 61 1.6 16.4 24.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 0.874 ug/l

RT: 8.73 min Scan# 2221

Delta R.T. -0.47 min

Lab File: VN050862.D

Acq: 24 Aug 2018 8:41

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBL01

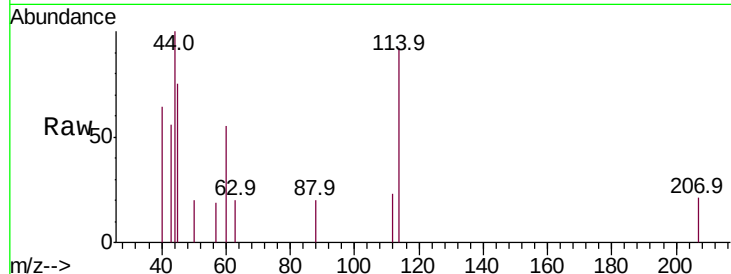
Tot Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 127.1 26.9 40.3#

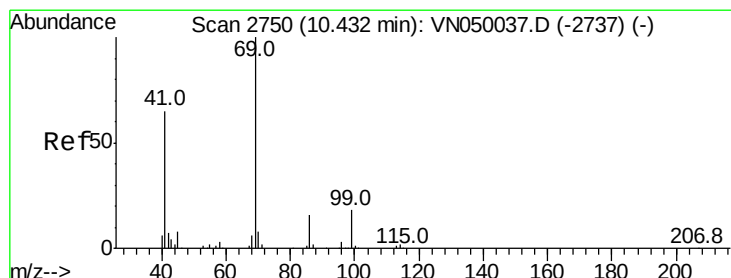
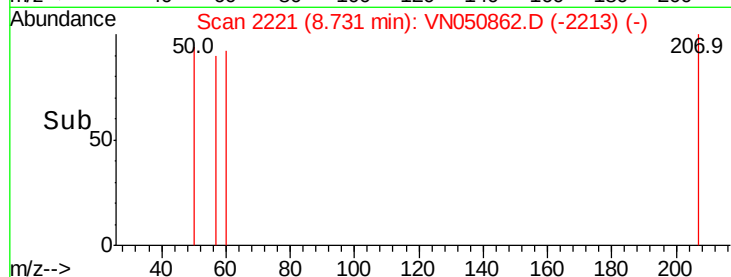
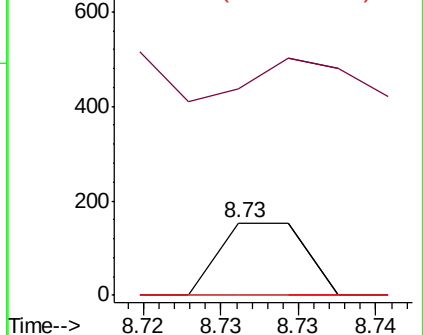
58 0.0 53.6 80.4#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#51

Ethyl methacrylate

Concen: 0.289 ug/l

RT: 10.10 min Scan# 2646

Delta R.T. -0.33 min

Lab File: VN050862.D

Acq: 24 Aug 2018 8:41

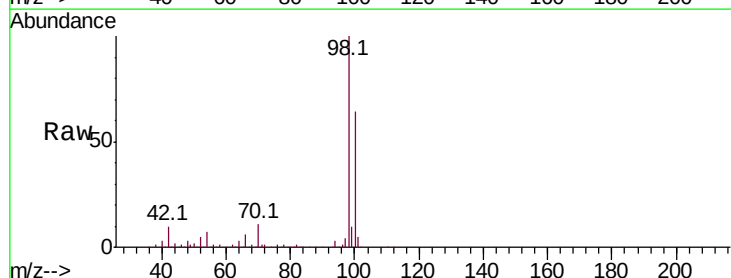
Tgt Ion: 69 Resp: 2102

Ion Ratio Lower Upper

69 100

41 59.0 31.9 95.9

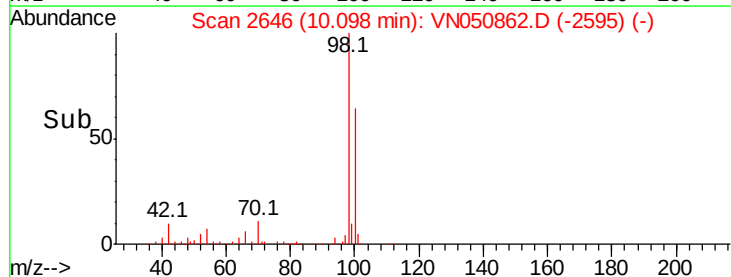
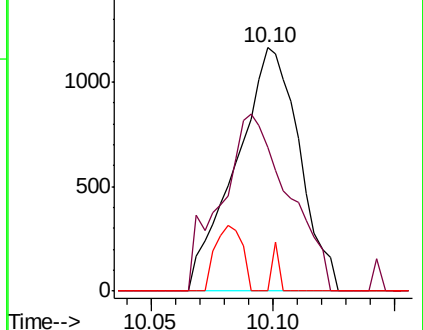
39 0.0 16.7 50.1#

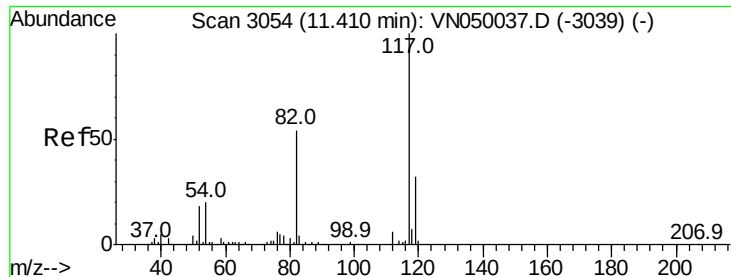


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

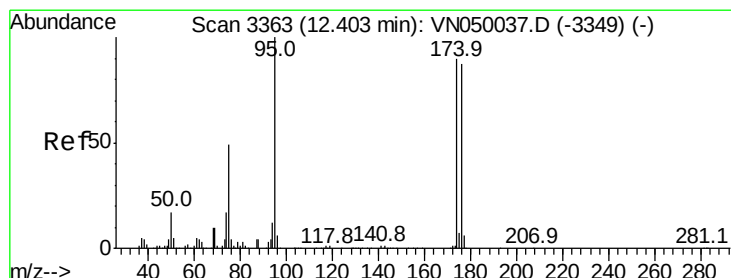
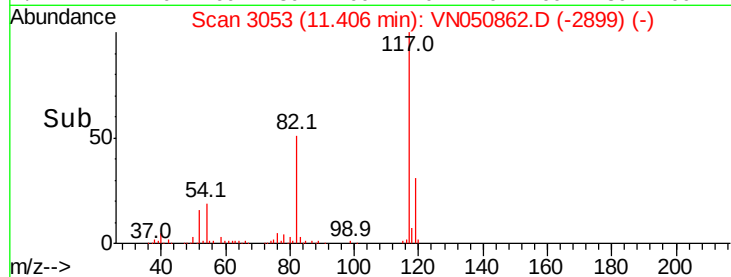
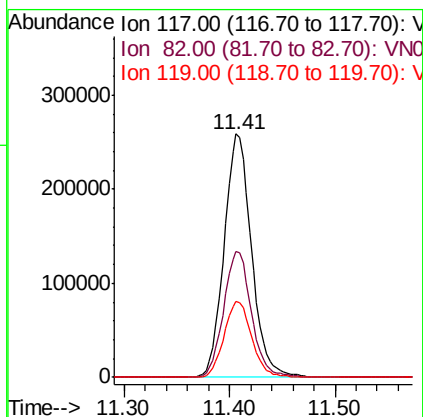
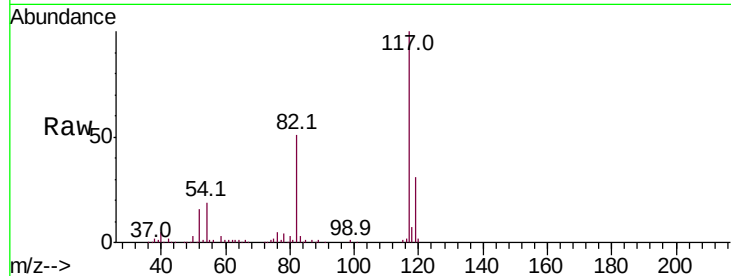




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050862.D
Acq: 24 Aug 2018 8:41

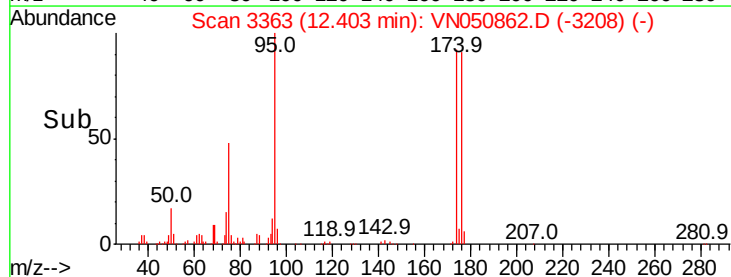
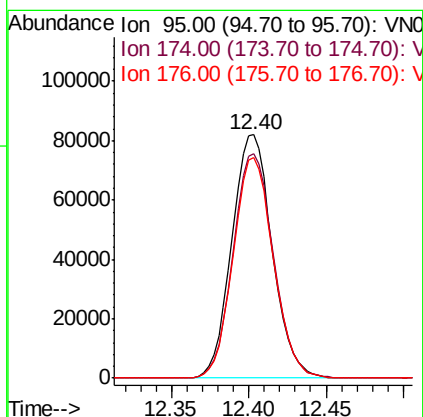
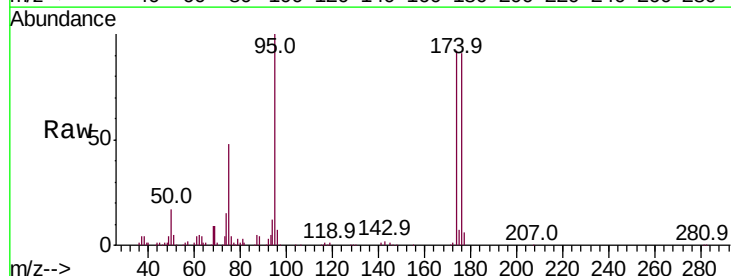
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBL01

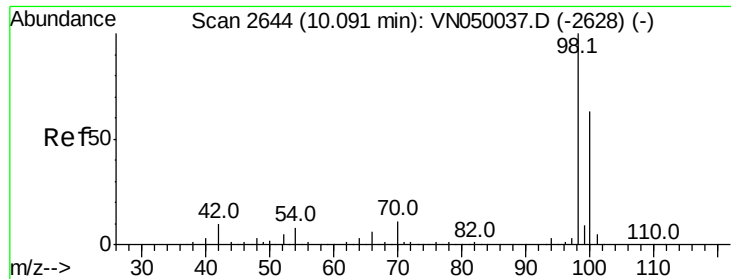
Tot Ion:117 Resp: 464127
Ion Ratio Lower Upper
117 100
82 52.5 42.4 63.6
119 31.5 25.4 38.0



#60
4-Bromofluorobenzene
Concen: 20.839 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050862.D
Acq: 24 Aug 2018 8:41

Tgt Ion: 95 Resp: 148591
Ion Ratio Lower Upper
95 100
174 92.2 72.3 108.5
176 90.1 70.0 105.0





#63

Toluene-d8

Concen: 28.944 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050862.D

Acq: 24 Aug 2018 8:41

Instrument :

MSVOA_N

ClientSampleId :

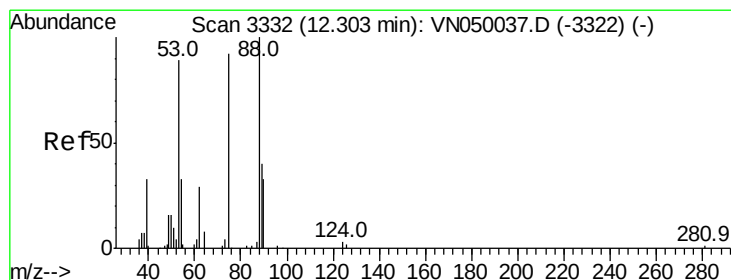
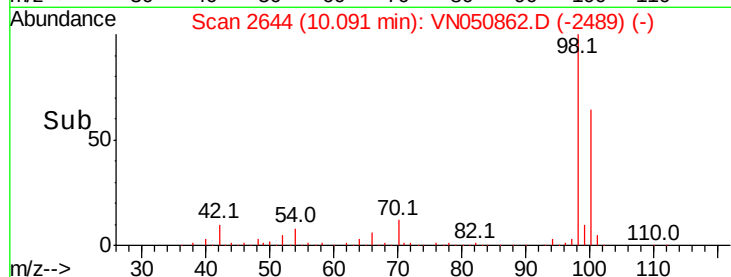
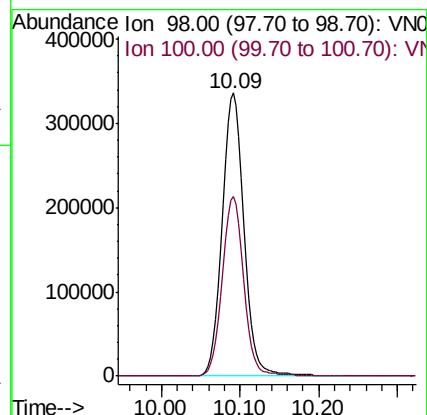
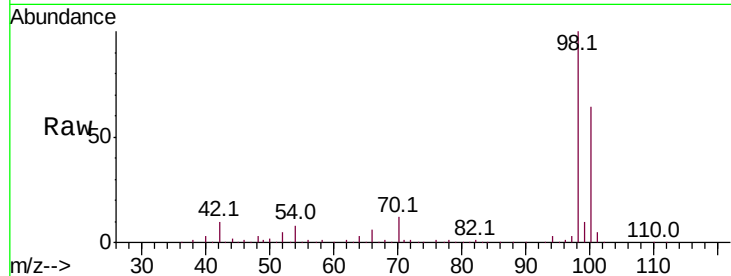
VN0824WBL01

Tot Ion: 98 Resp: 641670

Ion Ratio Lower Upper

98 100

100 62.4 51.2 76.8



#77

t-1,4-Dichloro-2-butene

Concen: 34.806 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050862.D

Acq: 24 Aug 2018 8:41

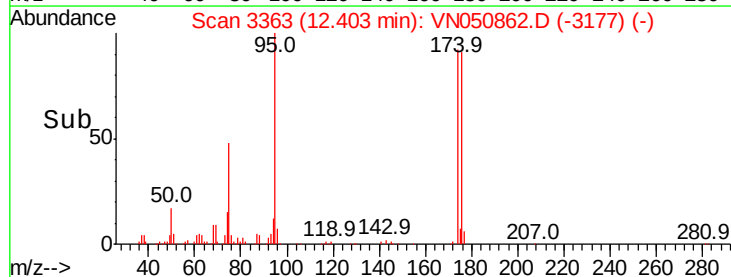
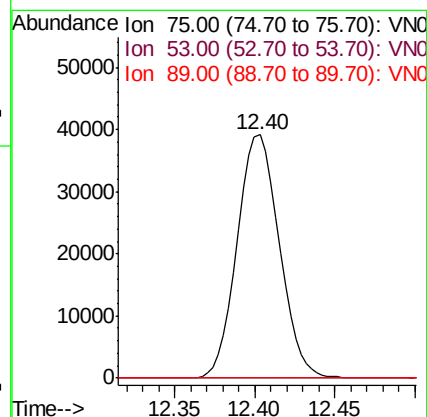
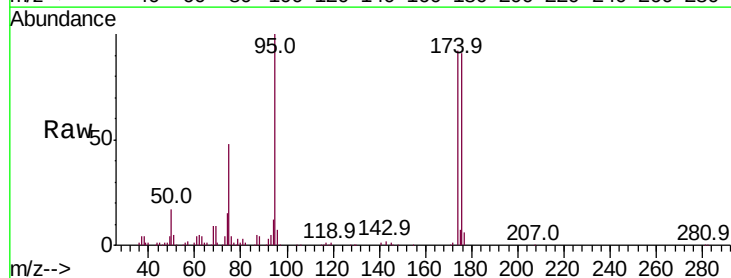
Tgt Ion: 75 Resp: 70418

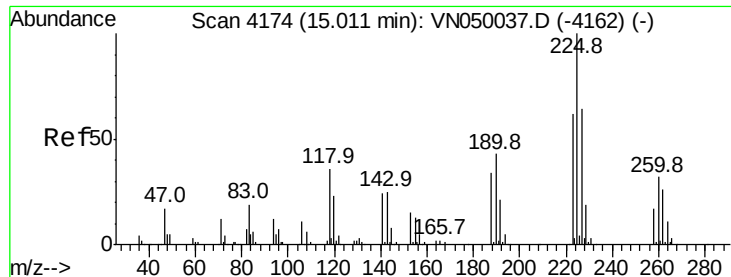
Ion Ratio Lower Upper

75 100

53 0.0 44.6 134.0#

89 0.0 20.7 62.1#





#90

Hexachlorobutadiene

Concen: 0.223 ug/l

RT: 15.01 min Scan# 4173

Delta R.T. -0.00 min

Lab File: VN050862.D

Acq: 24 Aug 2018 8:41

Instrument :

MSVOA_N

ClientSampled :

VN0824WBL01

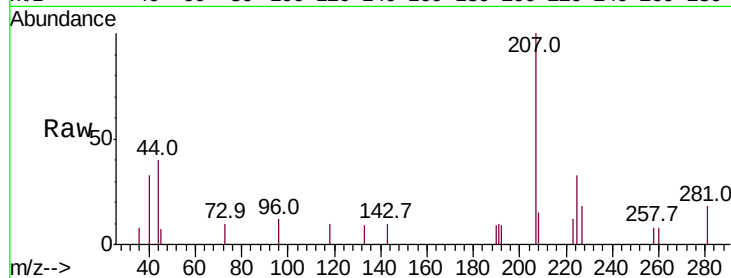
Tot Ion:225 Resp: 842

Ion Ratio Lower Upper

225 100

223 41.9 0.0 124.4

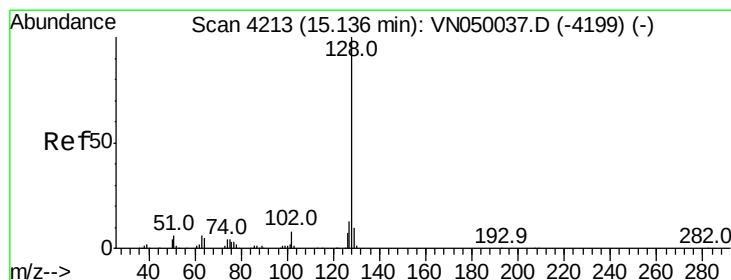
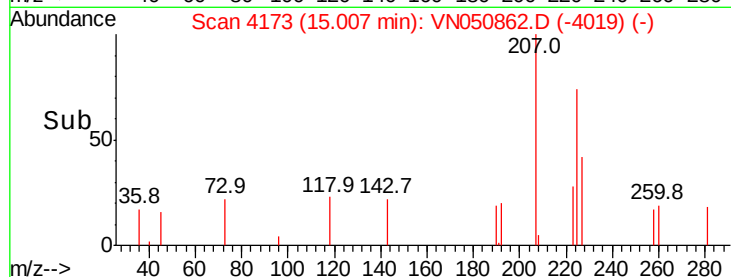
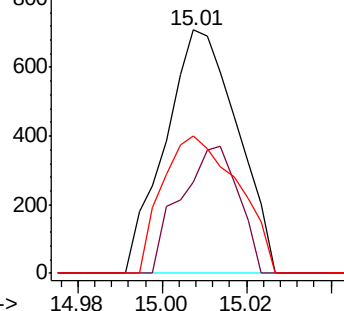
227 59.0 0.0 133.0



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 7.685 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050862.D

Acq: 24 Aug 2018 8:41

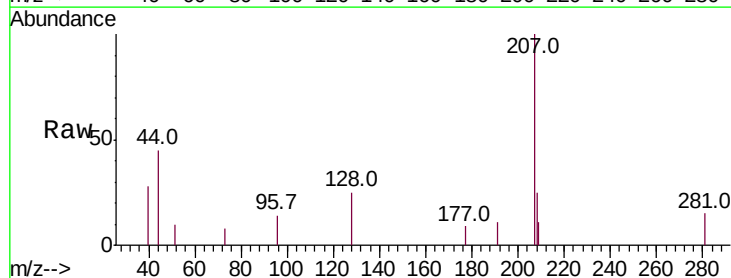
Tgt Ion:128 Resp: 820

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 9.0 13.4#



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

