

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091518\
 Data File : VN051257.D
 Acq On : 16 Sep 2018 6:13
 Operator : MD\SY
 Sample : J4936-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 138-KV

Quant Time: Sep 17 05:50:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	444707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	650756	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	536671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	196782	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	231536	46.79	ug/l	0.00
Spiked Amount			Recovery	=	93.58%	
35) Dibromofluoromethane	7.59	113	242270	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
50) Toluene-d8	10.09	98	871560	46.97	ug/l	0.00
Spiked Amount			Recovery	=	93.94%	
62) 4-Bromofluorobenzene	12.40	95	241662	39.37	ug/l	0.00
Spiked Amount			Recovery	=	78.74%	

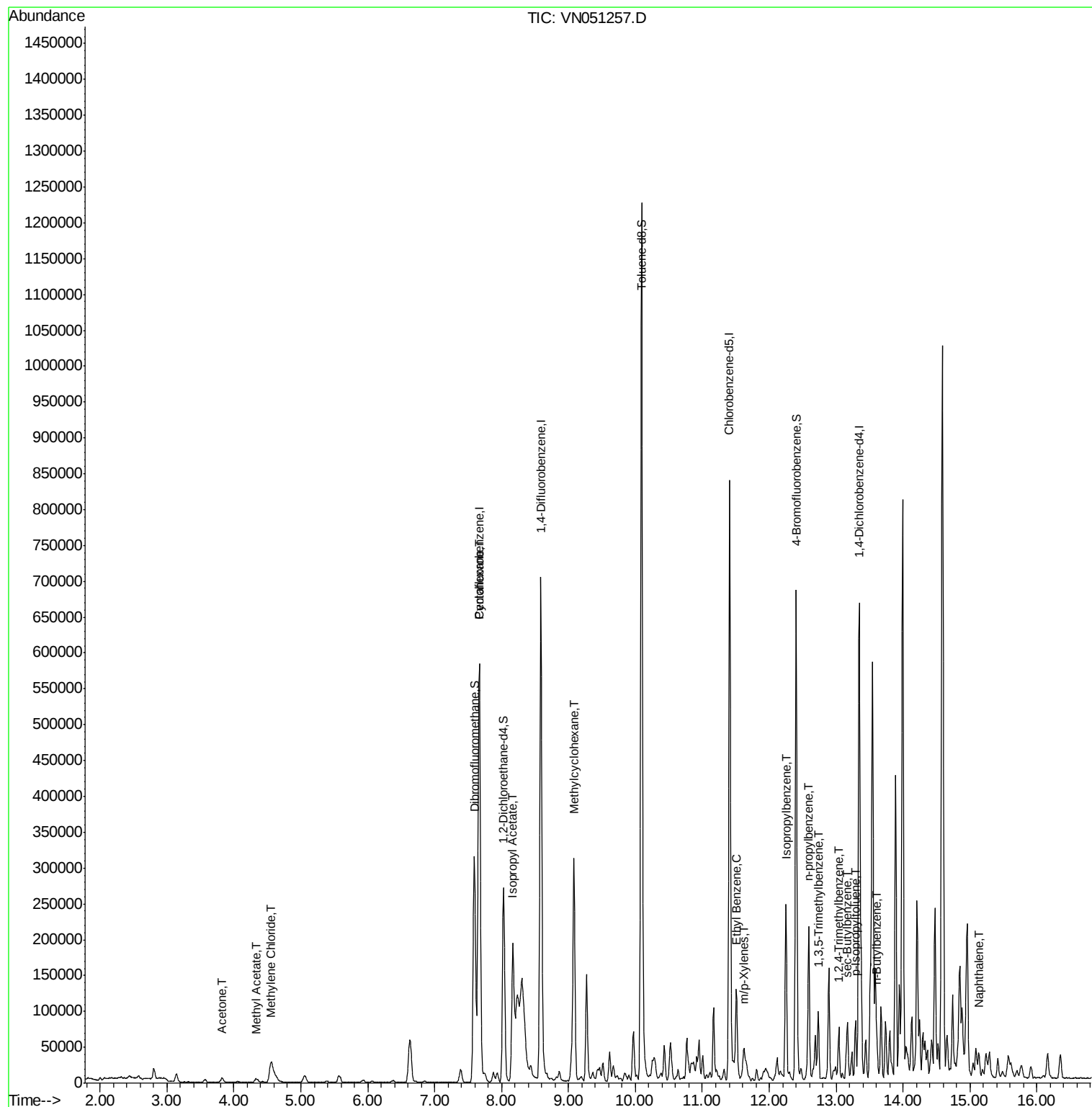
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	11521	3.66	ug/l	100
18) Methyl Acetate	4.33	43	11975	3.02	ug/l	# 72
20) Methylene Chloride	4.55	84	20765	3.80	ug/l	96
31) Cyclohexane	7.66	56	65941	7.93	ug/l	# 87
39) Methylcyclohexane	9.08	83	128152	16.26	ug/l	95
43) Isopropyl Acetate	8.17	43	195869	26.83	ug/l	# 82
67) Ethyl Benzene	11.51	91	79719	3.64	ug/l	99
68) m/p-Xylenes	11.62	106	14885	1.77	ug/l	97
73) Isopropylbenzene	12.25	105	157893	9.57	ug/l	99
78) n-propylbenzene	12.59	91	168579	9.29	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	49354	3.70	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	40589	3.09	ug/l	98
85) sec-Butylbenzene	13.17	105	47154	3.12	ug/l	80
86) p-Isopropyltoluene	13.29	119	46132	3.60	ug/l	100
89) n-Butylbenzene	13.61	91	18533	1.86	ug/l	# 71
95) Naphthalene	15.13	128	28974	8.84	ug/l	96

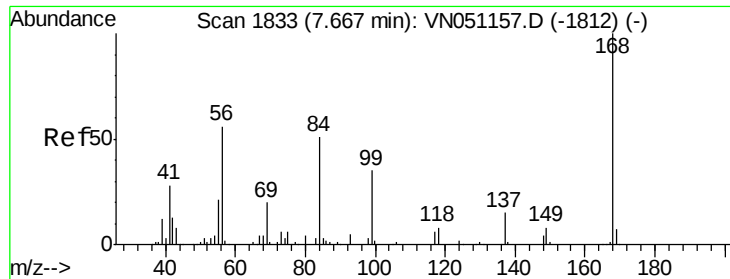
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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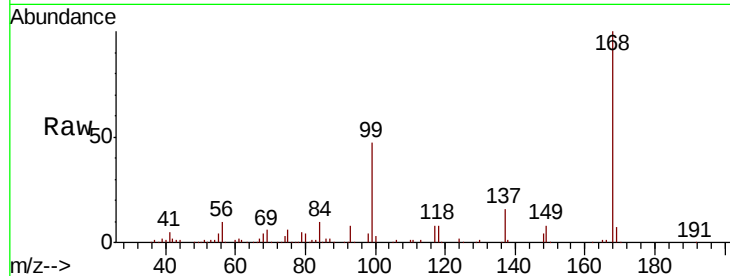


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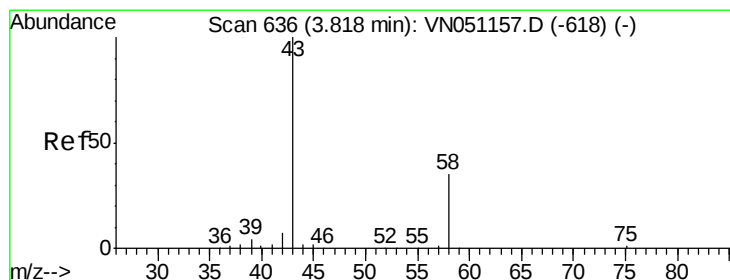
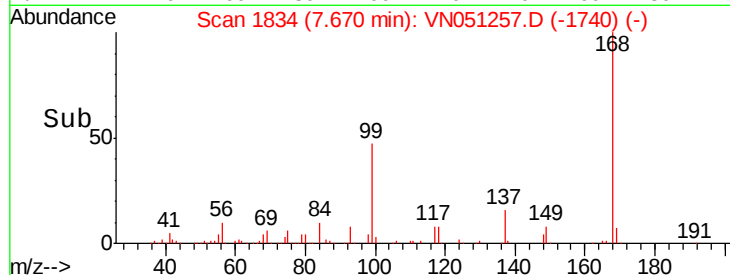
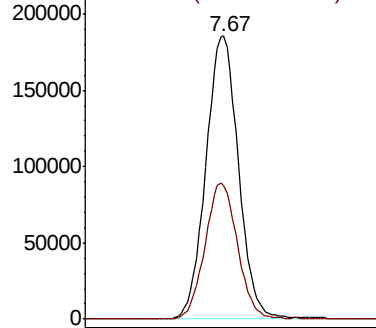
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. 0.00 min
 Lab File: VN051257.D
 Acq: 16 Sep 2018 6:13

Instrument :
 MSVOA_N
 ClientSampleId :
 138-KV

Tot Ion:168 Resp: 444707
 Ion Ratio Lower Upper
 168 100
 99 47.0 38.3 57.5



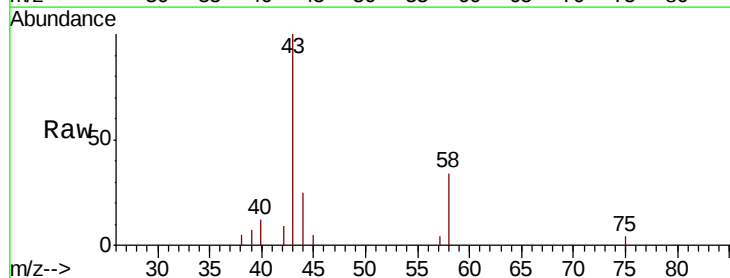
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VN



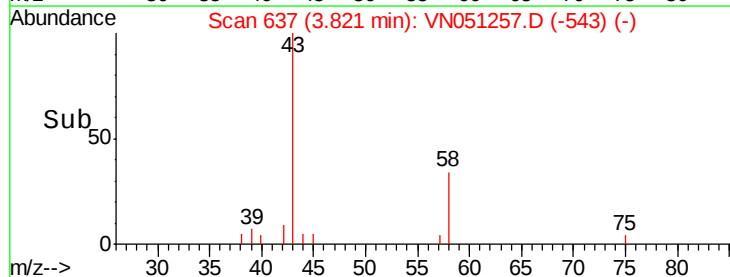
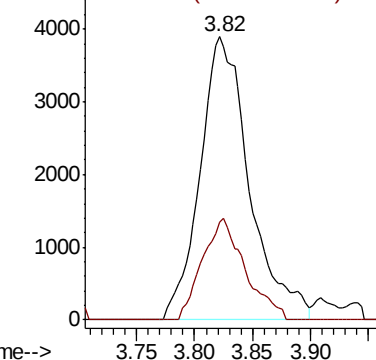
#16

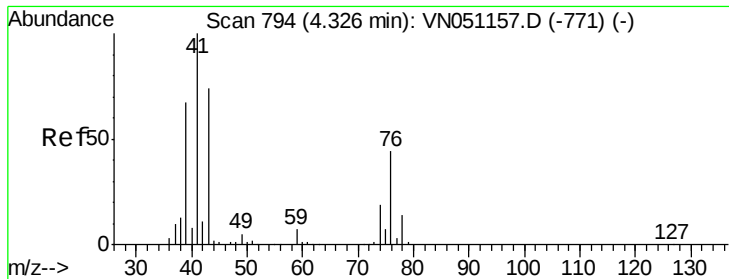
Acetone
 Concen: 3.66 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051257.D
 Acq: 16 Sep 2018 6:13

Tgt Ion: 43 Resp: 11521
 Ion Ratio Lower Upper
 43 100
 58 34.5 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN
 Ion 58.00 (57.70 to 58.70): VN

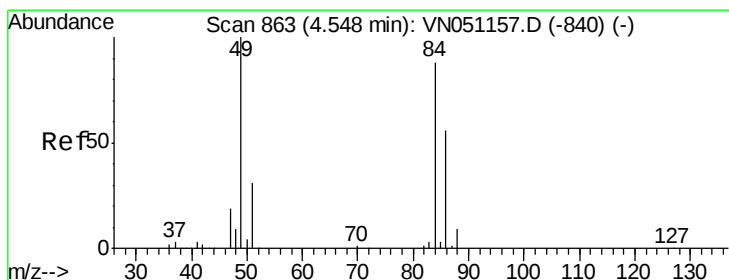
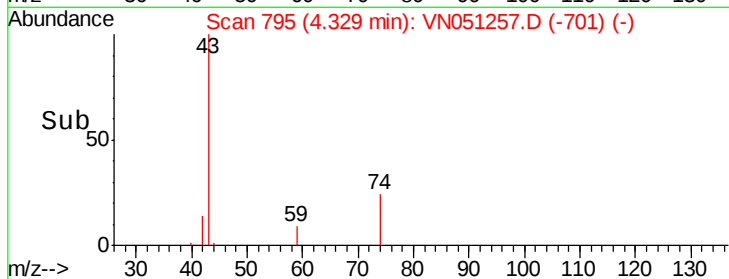
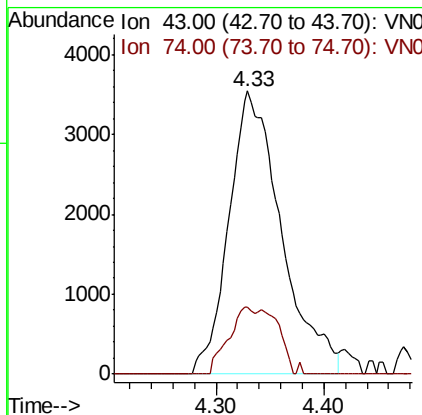
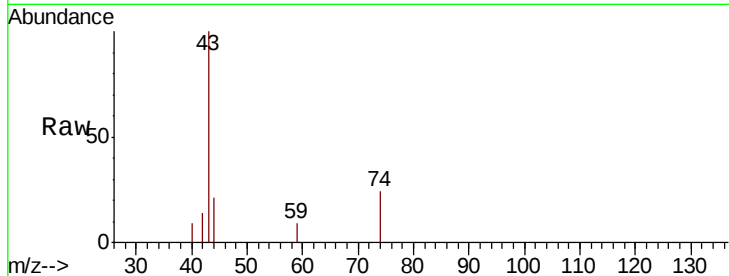




#18
Methyl Acetate
Concen: 3.02 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051257.D
Acq: 16 Sep 2018 6:13

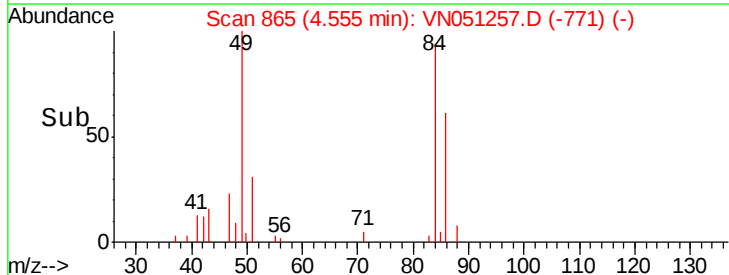
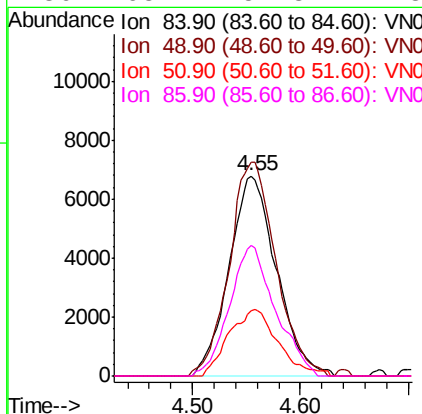
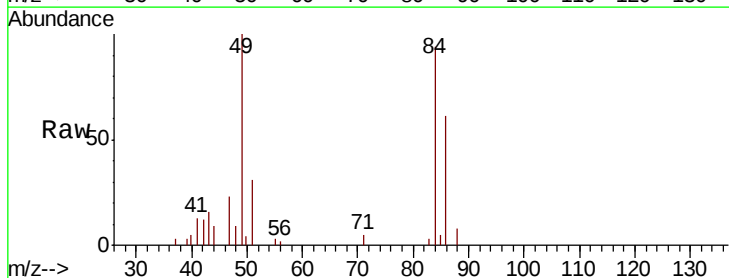
Instrument :
MSVOA_N
ClientSampleId :
138-KV

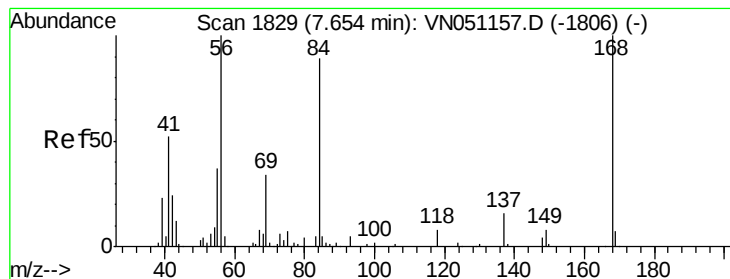
Tot Ion: 43 Resp: 11975
Ion Ratio Lower Upper
43 100
74 11.7 20.7 31.1#



#20
Methylene Chloride
Concen: 3.80 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051257.D
Acq: 16 Sep 2018 6:13

Tgt Ion: 84 Resp: 20765
Ion Ratio Lower Upper
84 100
49 106.5 90.2 135.2
51 32.8 28.4 42.6
86 65.1 51.8 77.8





#31

Cyclohexane

Concen: 7.93 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051257.D

Acq: 16 Sep 2018 6:13

Instrument :

MSVOA_N

ClientSampleId :

138-KV

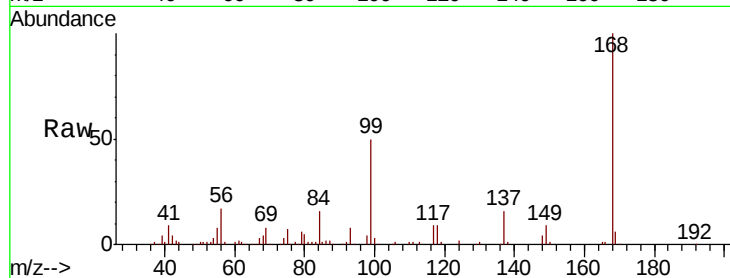
Tot Ion: 56 Resp: 65941

Ion Ratio Lower Upper

56 100

69 46.8 26.3 39.5#

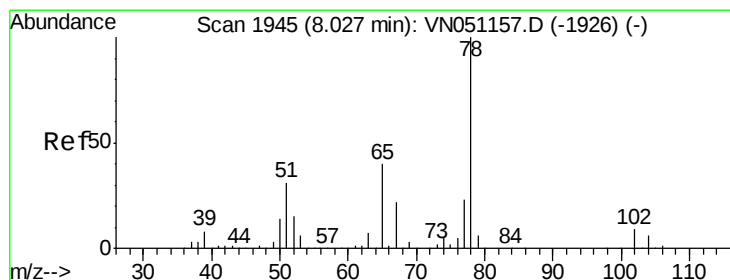
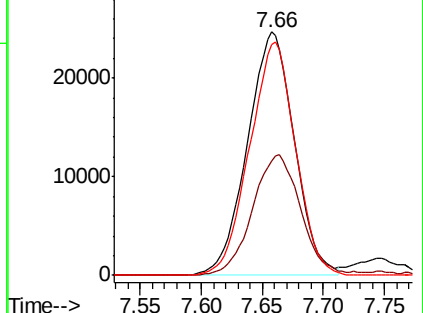
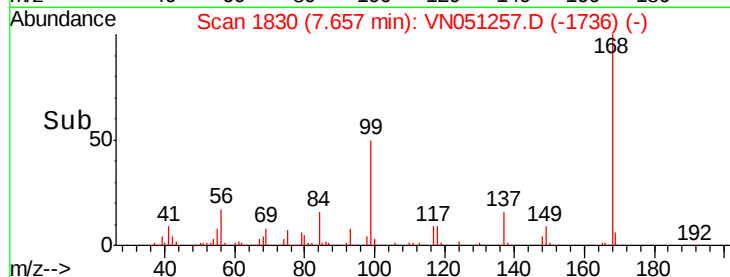
84 95.0 69.4 104.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 46.79 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051257.D

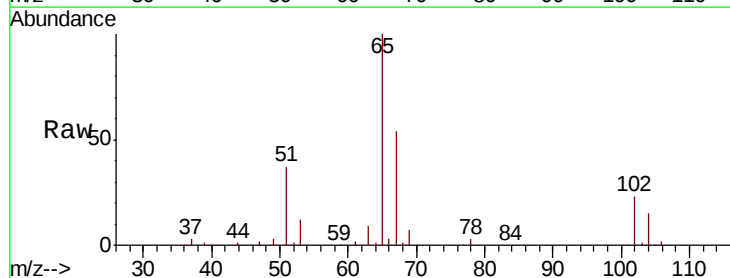
Acq: 16 Sep 2018 6:13

Tgt Ion: 65 Resp: 231536

Ion Ratio Lower Upper

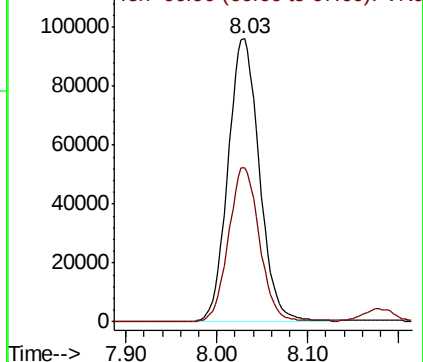
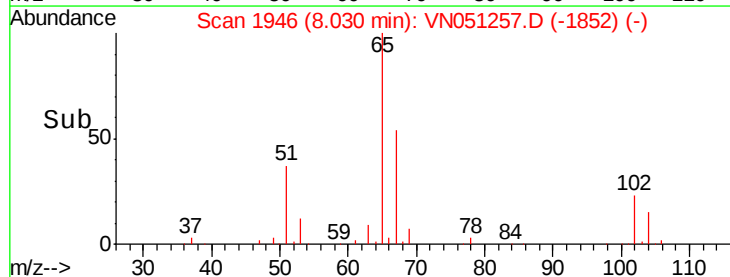
65 100

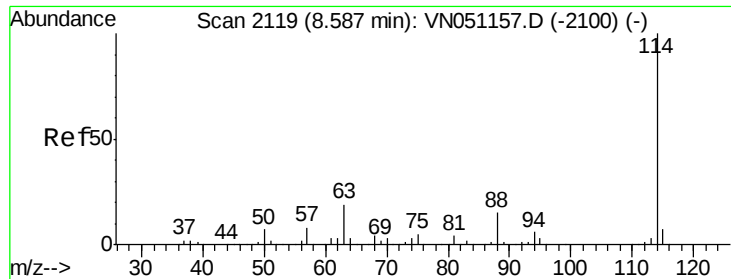
67 53.7 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

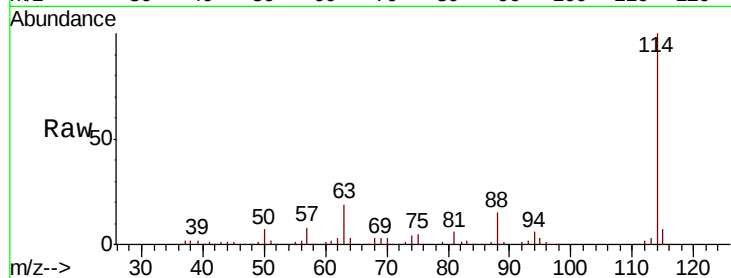




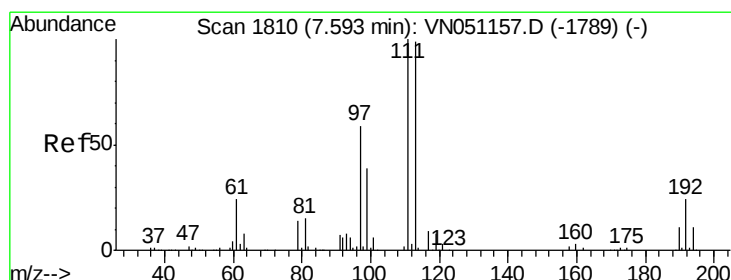
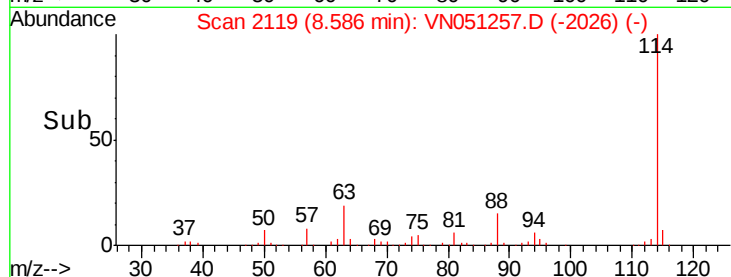
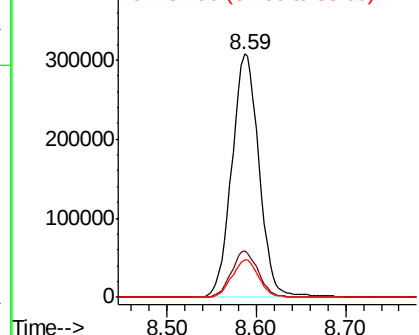
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN051257.D
Acq: 16 Sep 2018 6:13

Instrument :
MSVOA_N
ClientSampleId :
138-KV

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	37.8
88	15.4	0.0	30.8

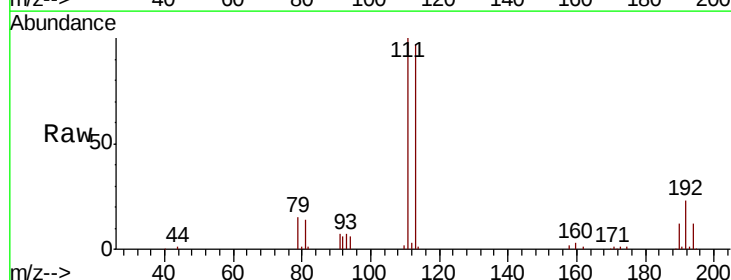


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

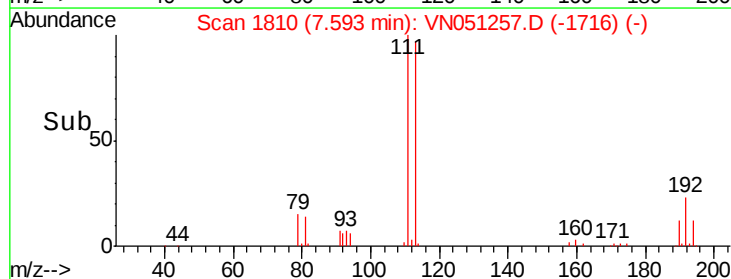
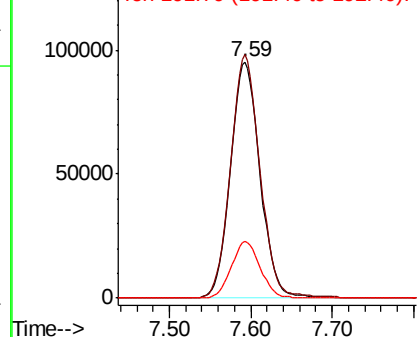


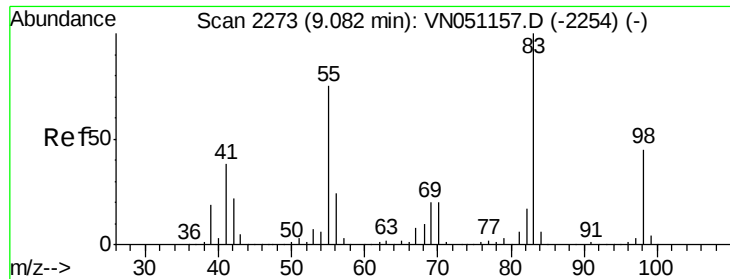
#35
Dibromofluoromethane
Concen: 49.55 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051257.D
Acq: 16 Sep 2018 6:13

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.0	124.6
192	23.4	18.7	28.1



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

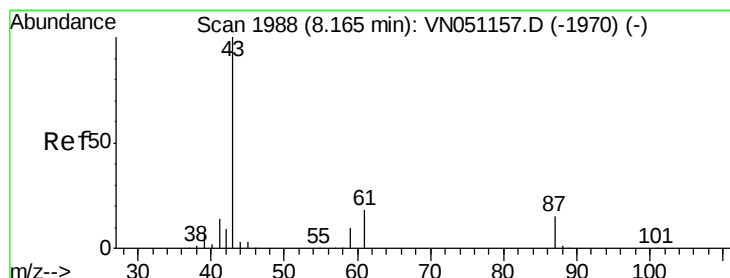
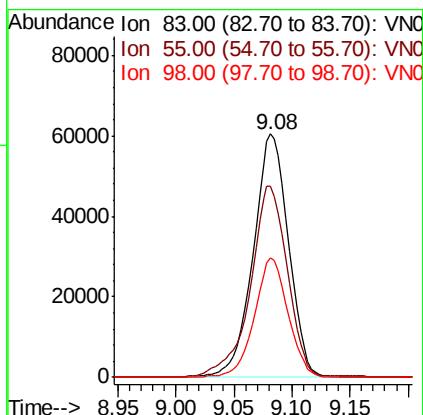
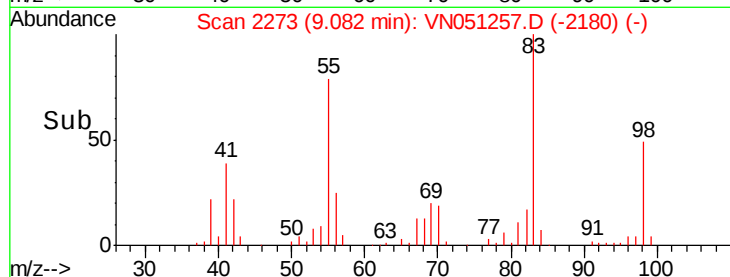
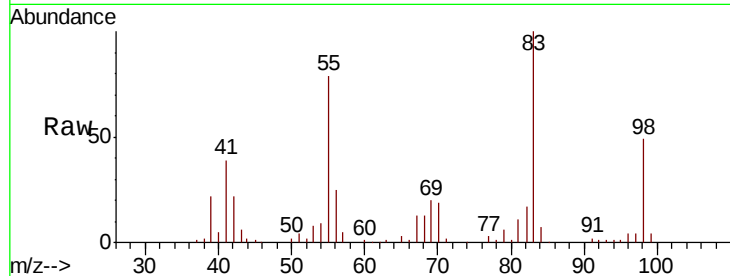




#39
Methylcyclohexane
Concen: 16.26 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051257.D
Acq: 16 Sep 2018 6:13

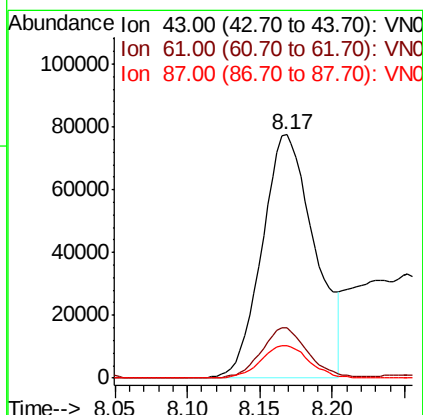
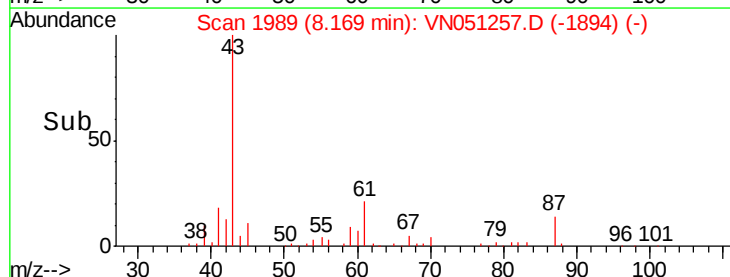
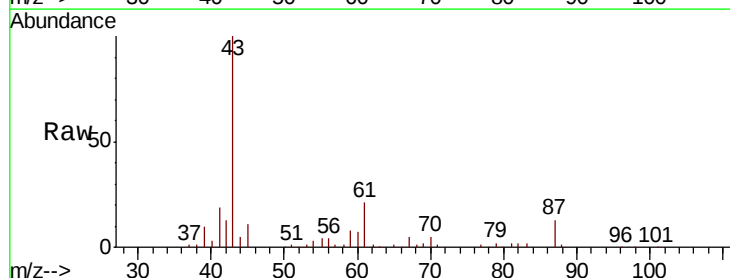
Instrument :
MSVOA_N
ClientSampled :
138-KV

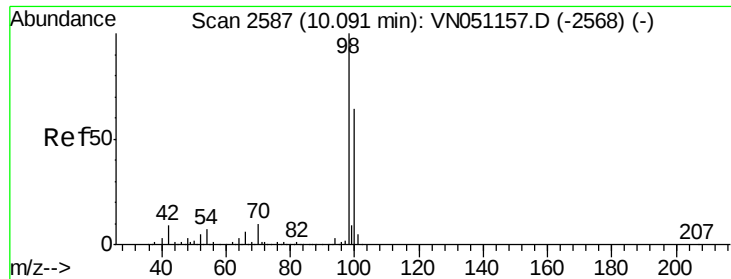
Tot Ion: 83 Resp: 128152
Ion Ratio Lower Upper
83 100
55 78.0 58.4 87.6
98 49.3 37.3 55.9



#43
Isopropyl Acetate
Concen: 26.83 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN051257.D
Acq: 16 Sep 2018 6:13

Tgt Ion: 43 Resp: 195869
Ion Ratio Lower Upper
43 100
61 18.2 25.0 37.6#
87 12.1 11.8 17.8





#50

Toluene-d8

Concen: 46.97 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051257.D

Acq: 16 Sep 2018 6:13

Instrument :

MSVOA_N

ClientSampled :

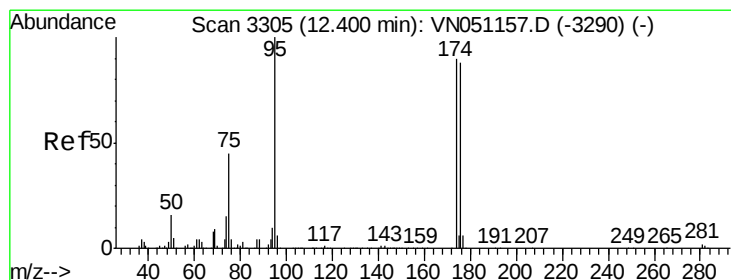
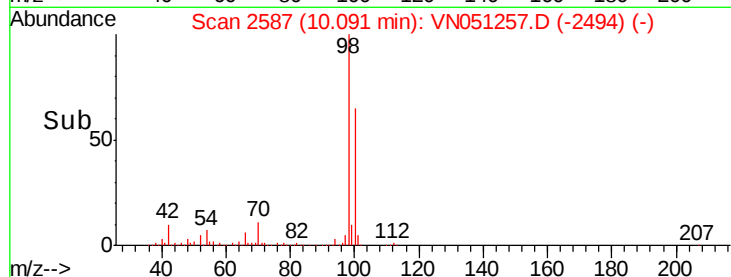
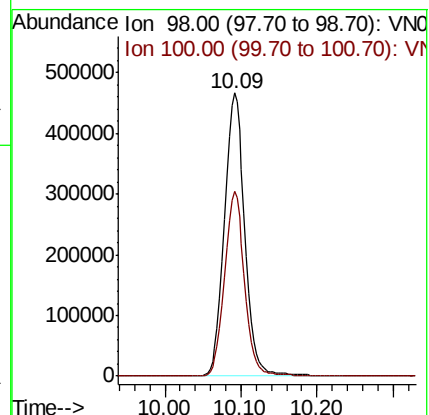
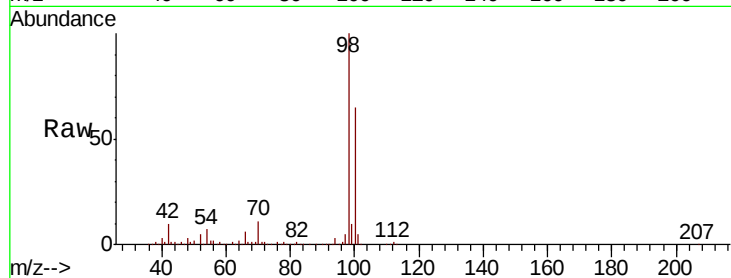
138-KV

Tot Ion: 98 Resp: 871560

Ion Ratio Lower Upper

98 100

100 63.7 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 39.37 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051257.D

Acq: 16 Sep 2018 6:13

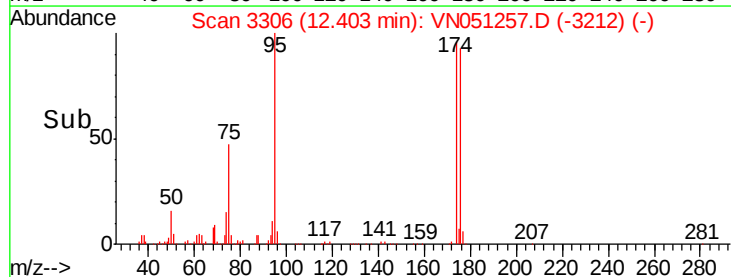
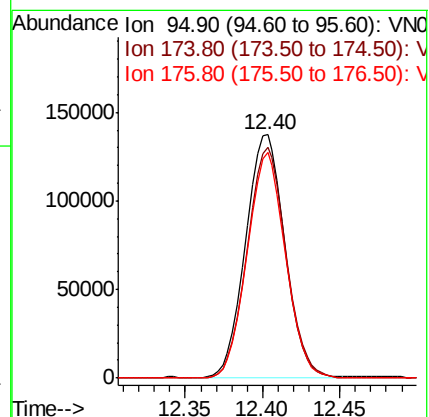
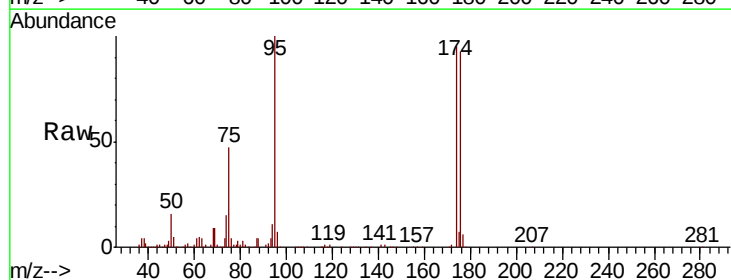
Tgt Ion: 95 Resp: 241662

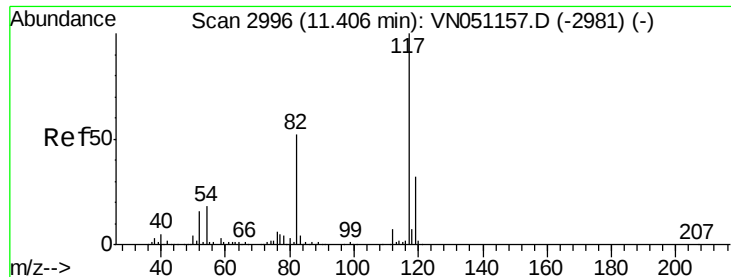
Ion Ratio Lower Upper

95 100

174 94.5 0.0 184.8

176 90.9 0.0 178.6

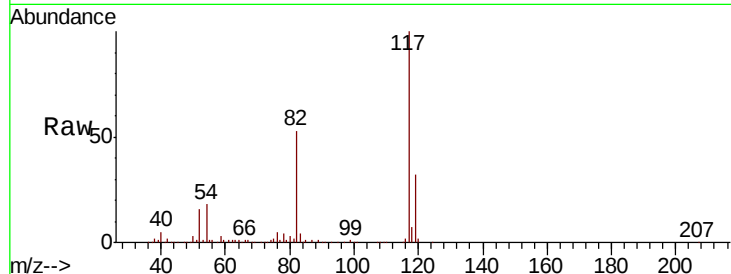




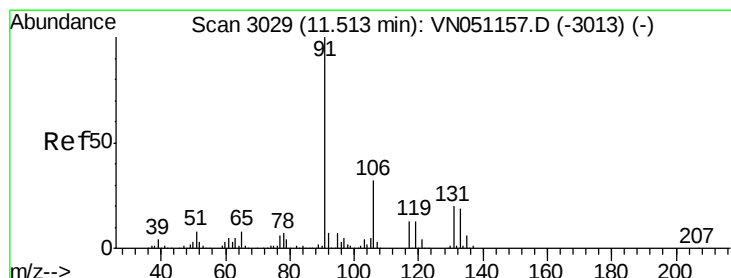
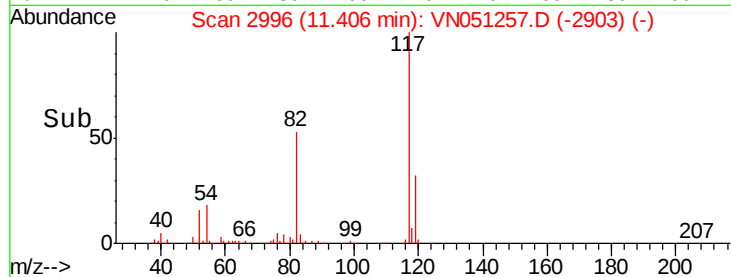
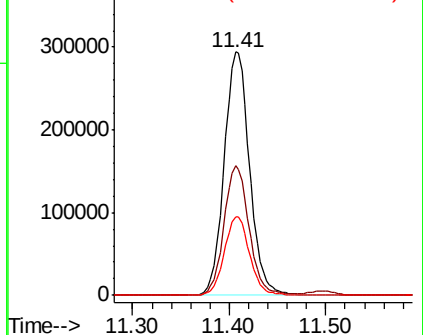
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051257.D
Acq: 16 Sep 2018 6:13

Instrument :
MSVOA_N
ClientSampleId :
138-KV

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	41.8	62.6
119	32.4	26.2	39.2

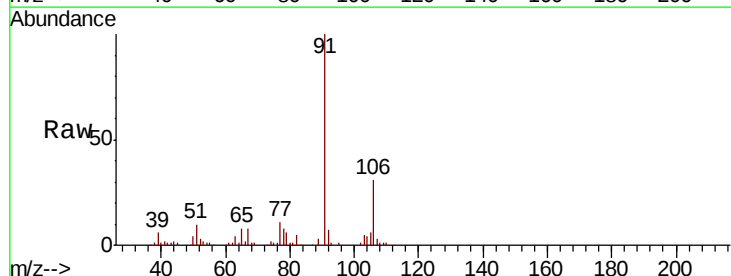


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

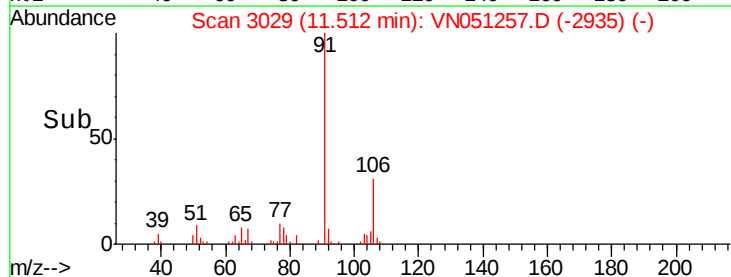
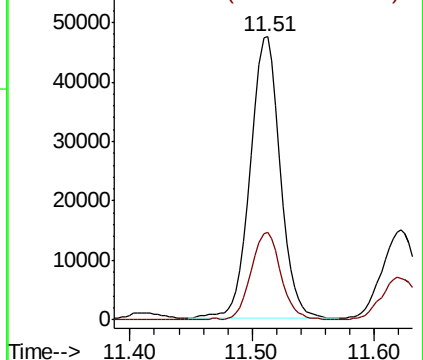


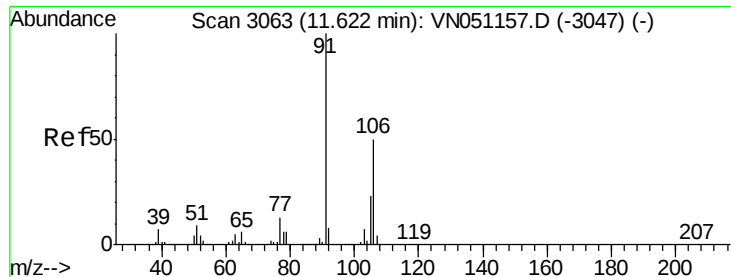
#67
Ethyl Benzene
Concen: 3.64 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051257.D
Acq: 16 Sep 2018 6:13

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.4	38.2



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

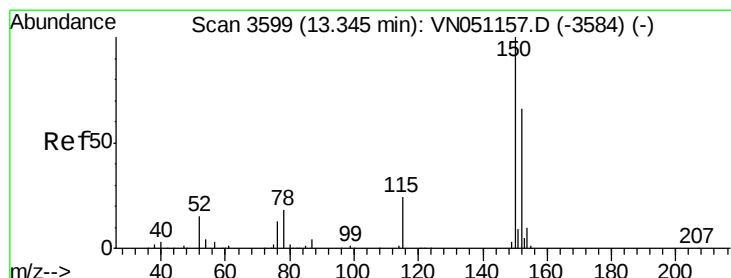
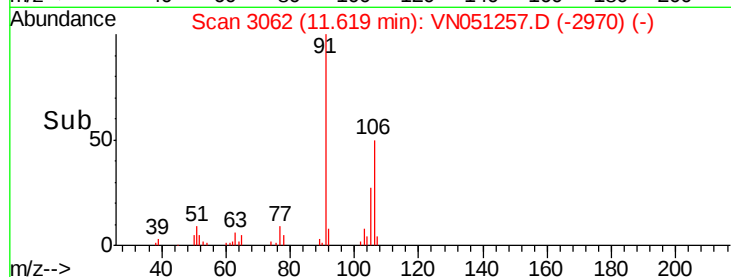
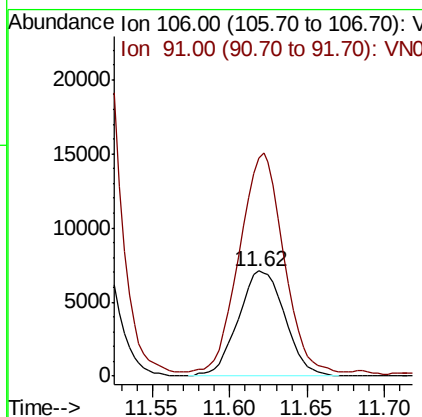
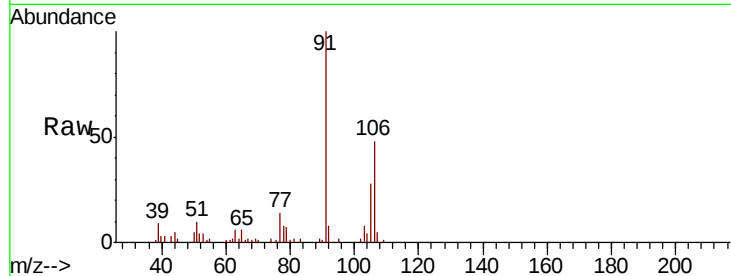




#68
m/p-Xvlenes
Concen: 1.77 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051257.D
Acq: 16 Sep 2018 6:13

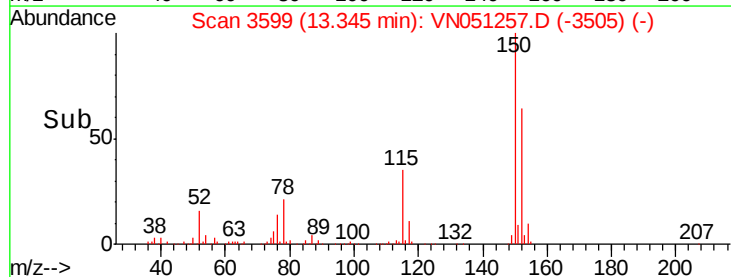
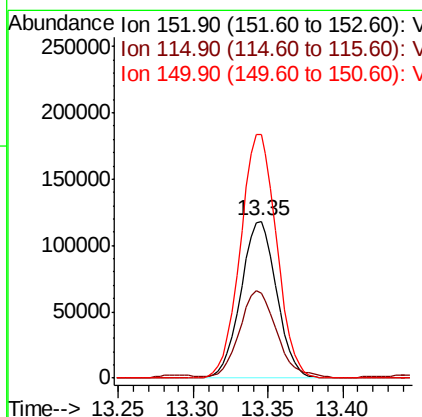
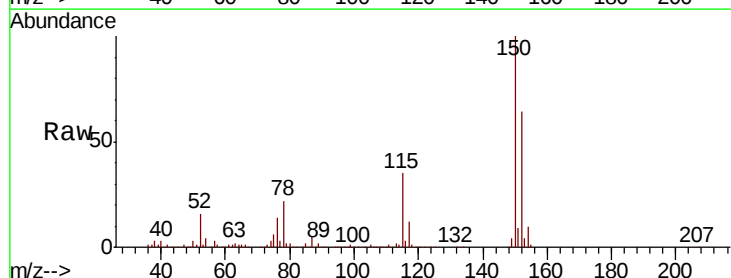
Instrument :
MSVOA_N
ClientSampled :
138-KV

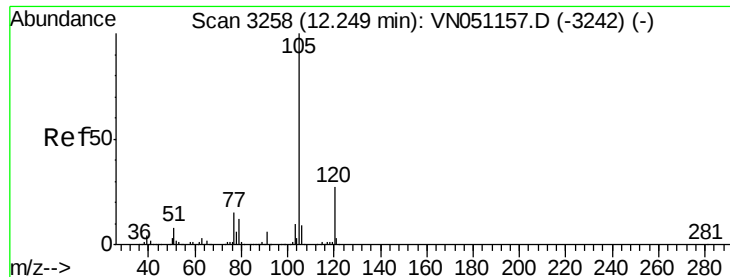
Tot Ion:106 Resp: 14885
Ion Ratio Lower Upper
106 100
91 195.9 159.8 239.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051257.D
Acq: 16 Sep 2018 6:13

Tgt Ion:152 Resp: 196782
Ion Ratio Lower Upper
152 100
115 57.8 28.2 84.7
150 157.4 0.0 349.0





#73

Isopropylbenzene

Concen: 9.57 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051257.D

Acq: 16 Sep 2018 6:13

Instrument :

MSVOA_N

ClientSampled :

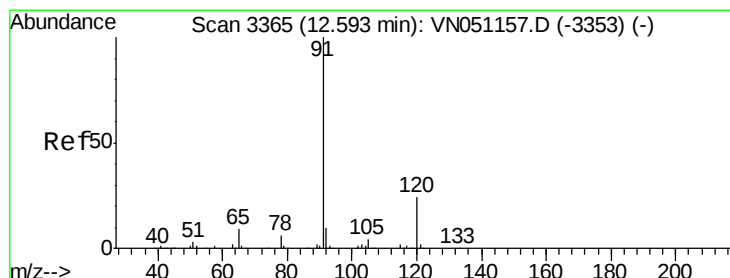
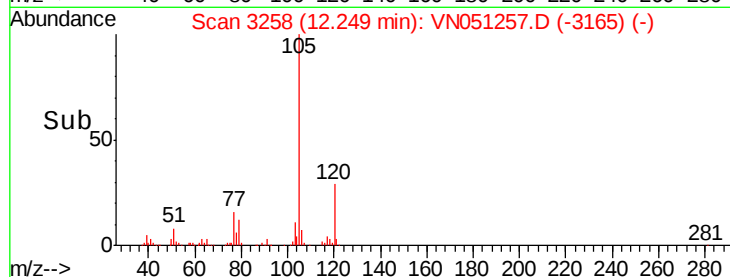
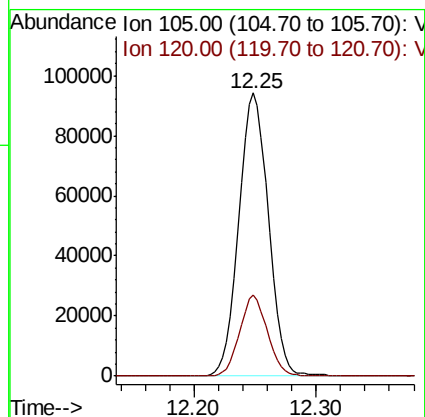
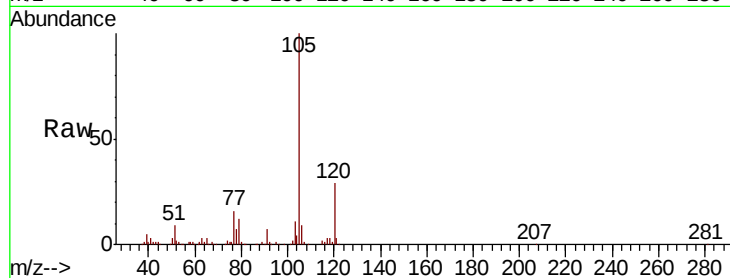
138-KV

Tot Ion:105 Resp: 157893

Ion Ratio Lower Upper

105 100

120 26.8 13.6 40.7



#78

n-propylbenzene

Concen: 9.29 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051257.D

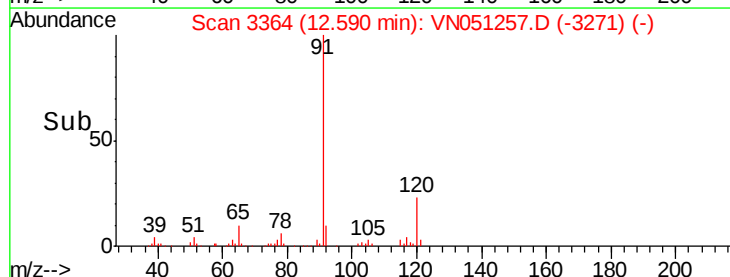
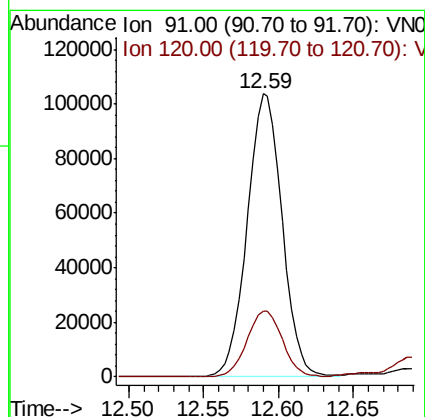
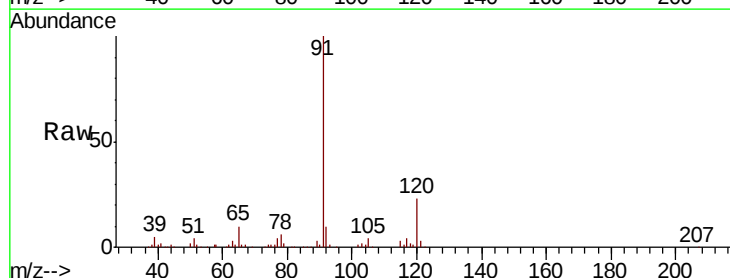
Acq: 16 Sep 2018 6:13

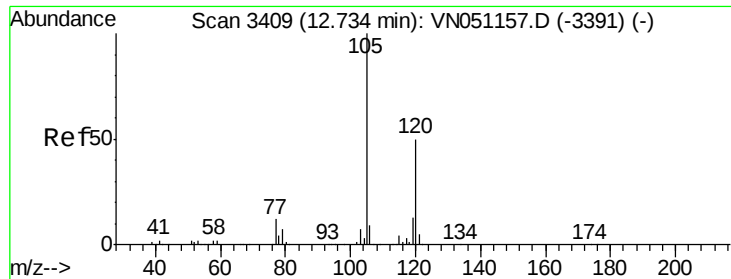
Tgt Ion: 91 Resp: 168579

Ion Ratio Lower Upper

91 100

120 23.6 12.0 36.0





#80

1,3,5-Trimethylbenzene

Concen: 3.70 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051257.D

Acq: 16 Sep 2018 6:13

Instrument :

MSVOA_N

ClientSampled :

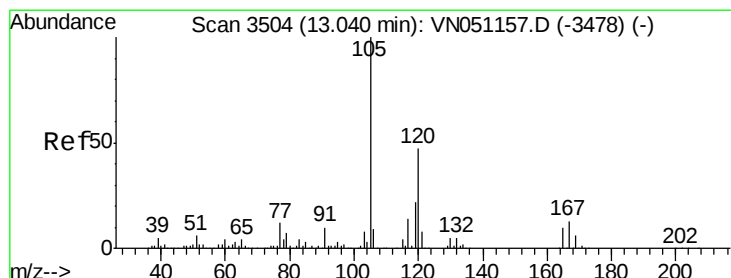
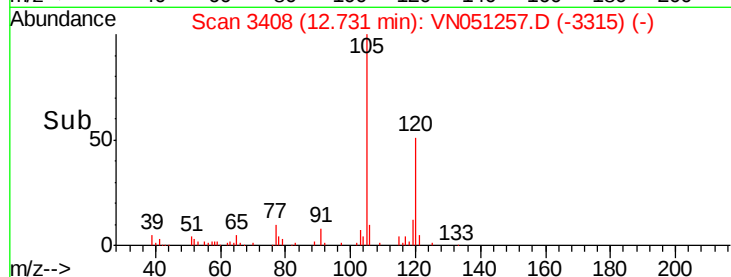
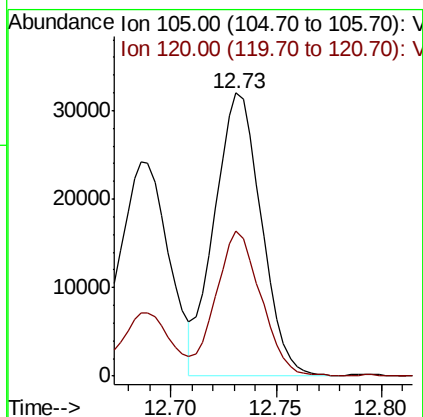
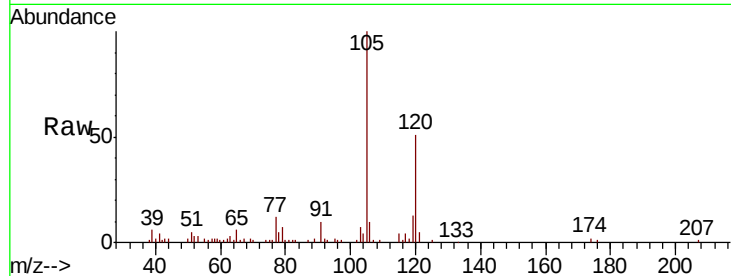
138-KV

Tot Ion:105 Resp: 49354

Ion Ratio Lower Upper

105 100

120 49.3 24.9 74.6



#84

1,2,4-Trimethylbenzene

Concen: 3.09 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN051257.D

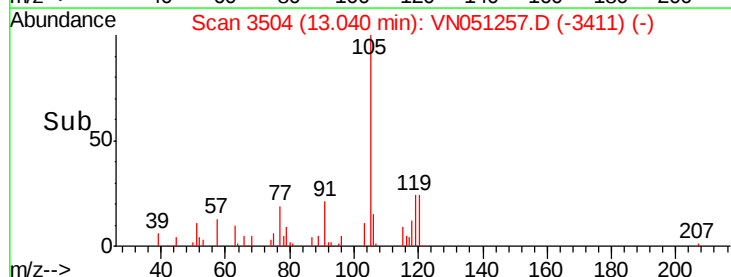
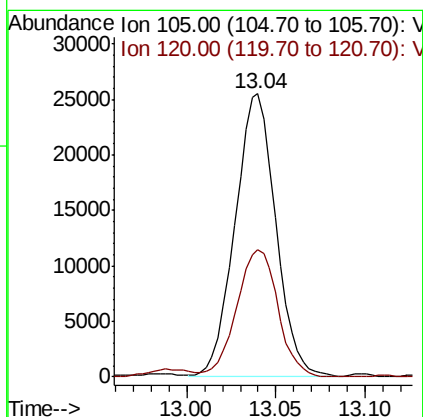
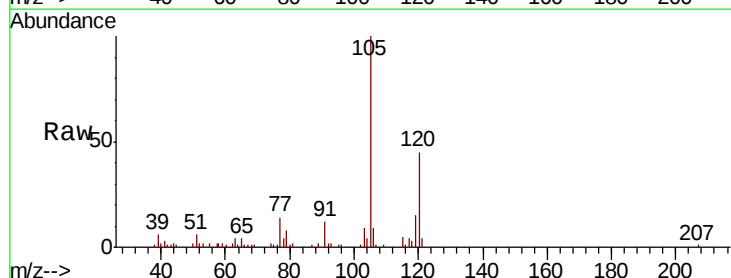
Acq: 16 Sep 2018 6:13

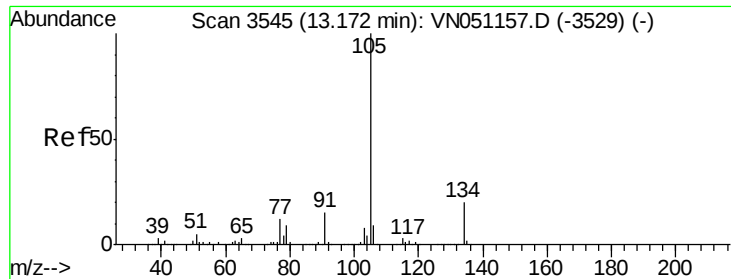
Tgt Ion:105 Resp: 40589

Ion Ratio Lower Upper

105 100

120 45.3 23.3 69.8





#85

sec-Butylbenzene

Concen: 3.12 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051257.D

Acq: 16 Sep 2018 6:13

Instrument :

MSVOA_N

ClientSampleId :

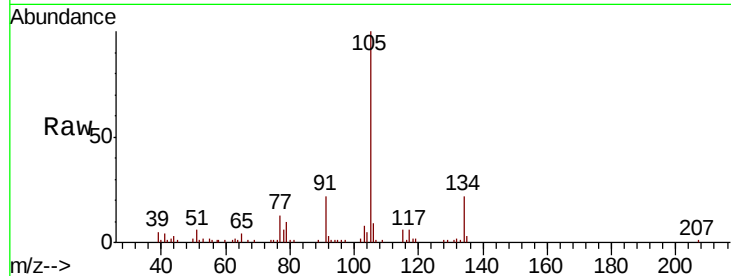
138-KV

Tot Ion:105 Resp: 47154

Ion Ratio Lower Upper

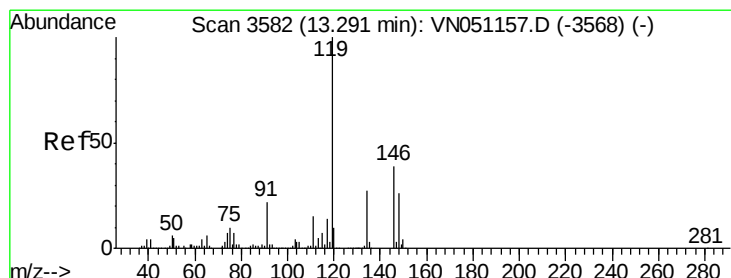
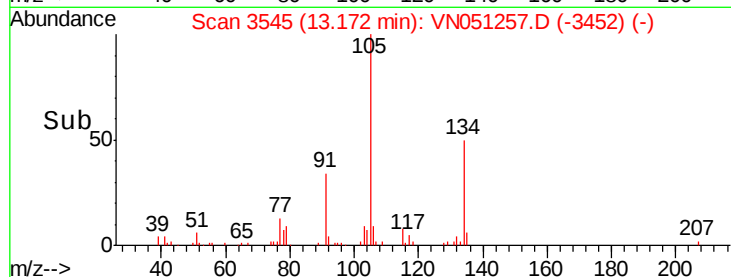
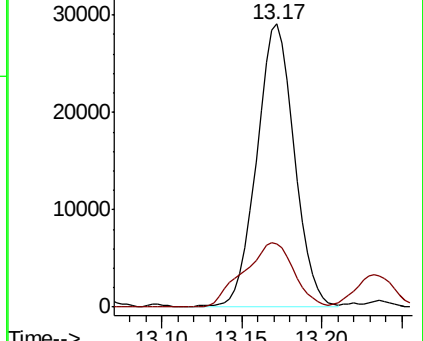
105 100

134 30.2 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.60 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051257.D

Acq: 16 Sep 2018 6:13

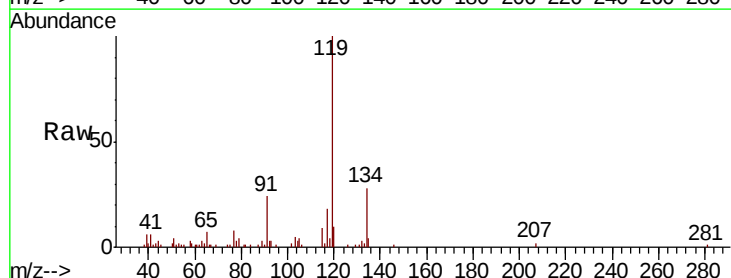
Tgt Ion:119 Resp: 46132

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.4

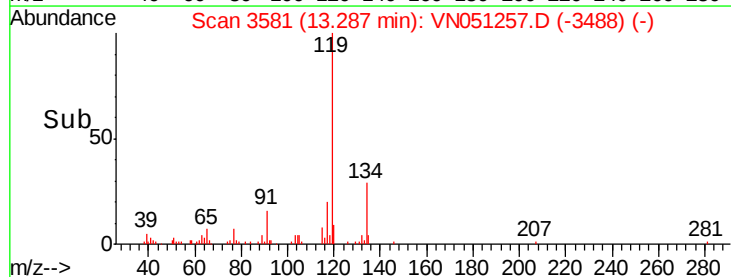
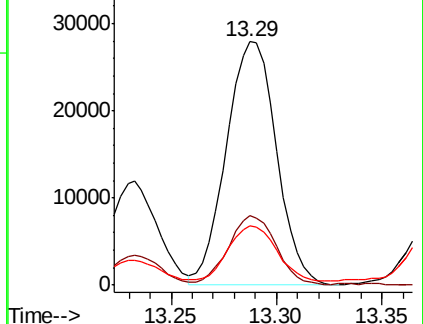
91 22.0 10.9 32.9

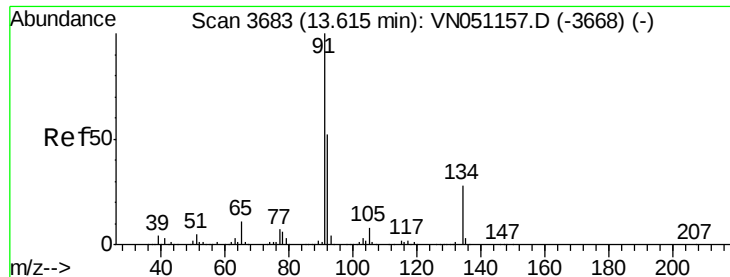


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

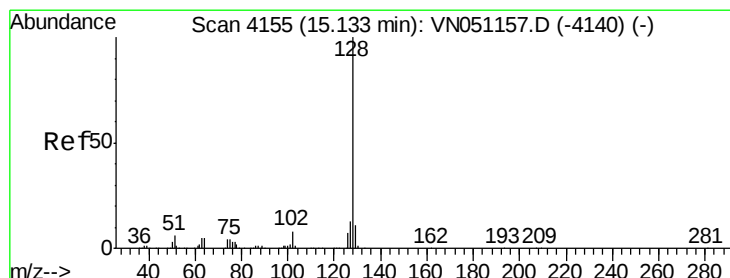
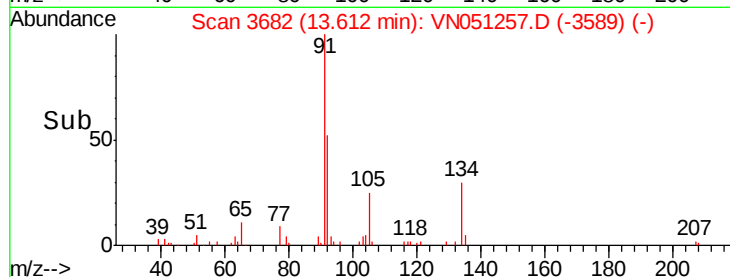
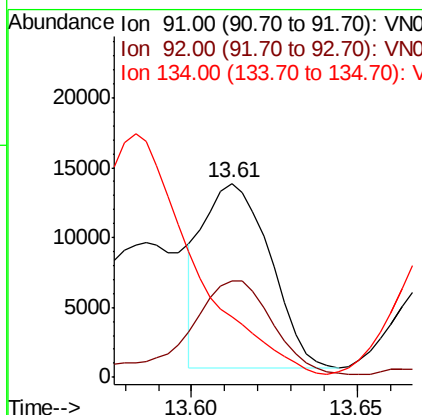
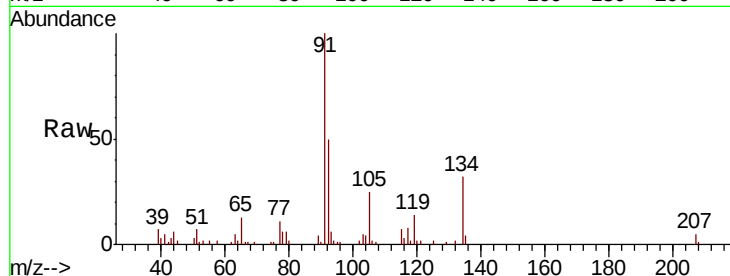




#89
n-Butylbenzene
Concen: 1.86 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051257.D
Acq: 16 Sep 2018 6:13

Instrument :
MSVOA_N
ClientSampled :
138-KV

Tot Ion: 91 Resp: 18533
Ion Ratio Lower Upper
91 100
92 64.5 26.2 78.6
134 0.0 13.7 41.1#



#95
Naphthalene
Concen: 8.84 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN051257.D
Acq: 16 Sep 2018 6:13

Tgt Ion: 128 Resp: 28974
Ion Ratio Lower Upper
128 100
127 14.9 10.6 15.8
129 9.1 8.6 12.8

