

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050515.D
 Acq On : 10 Aug 2018 14:08
 Operator : MD\SY
 Sample : J4420-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Quant Time: Aug 10 23:15:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	734675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1141779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	990588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	405594	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	487274	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
35) Dibromofluoromethane	7.59	113	442186	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
50) Toluene-d8	10.09	98	1583337	45.97	ug/l	0.00
Spiked Amount			Recovery	=	91.94%	
62) 4-Bromofluorobenzene	12.40	95	462992	39.44	ug/l	0.00
Spiked Amount			Recovery	=	78.88%	

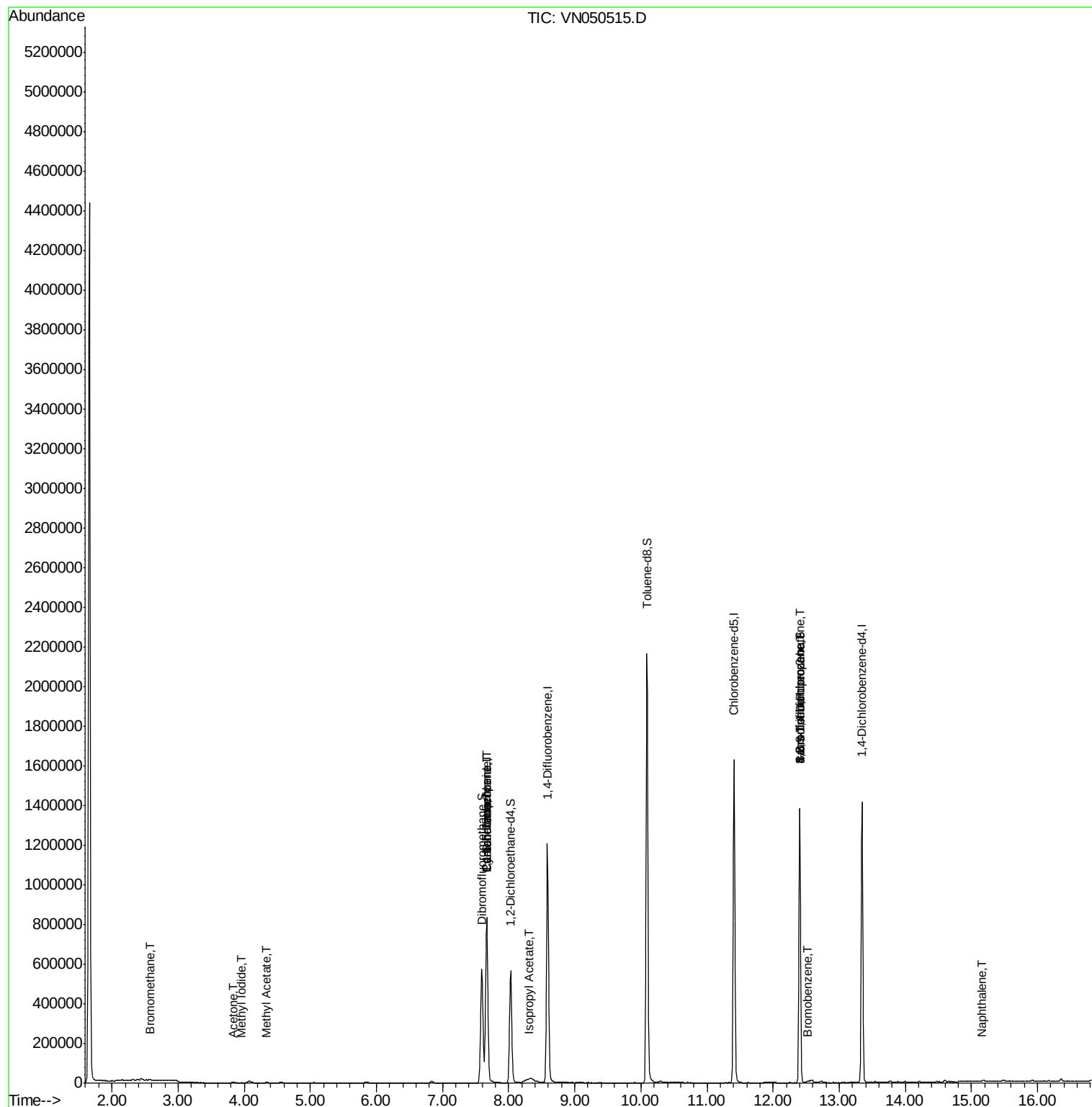
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2968	Below Cal		91
5) Bromomethane	2.57	94	3831	0.92 ug/l	#	78
10) Methyl Iodide	3.96	142	1621	0.44 ug/l	#	66
16) Acetone	3.83	43	3873	0.96 ug/l		99
18) Methyl Acetate	4.34	43	4150	0.35 ug/l	#	78
20) Methylene Chloride	4.56	84	741	Below Cal	#	73
31) Cyclohexane	7.67	56	12975	0.30 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	51121	4.07 ug/l	#	48
38) Carbon Tetrachloride	7.67	117	66243	5.06 ug/l	#	16
43) Isopropyl Acetate	8.29	43	23862	1.53 ug/l	#	61
71) Bromoform	12.40	173	3725	0.56 ug/l	#	1
76) 1,2,3-Trichloropropane	12.40	75	224054	30.52 ug/l	#	100
77) Bromobenzene	12.53	156	4671	0.57 ug/l	#	1
81) trans-1,4-Dichloro-2-buten	12.40	75	224054	107.23 ug/l	#	13
95) Naphthalene	15.14	128	1451	3.69 ug/l	#	94

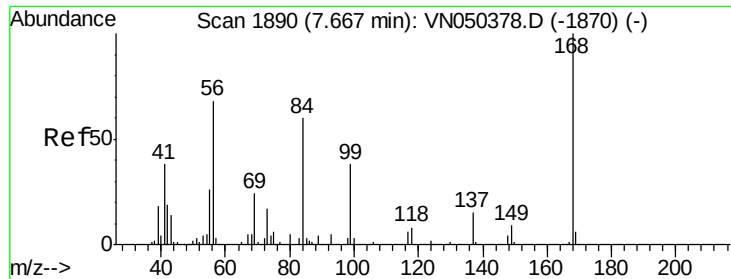
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050515.D

Acq: 10 Aug 2018 14:08

Instrument :

MSVOA_N

ClientSampled :

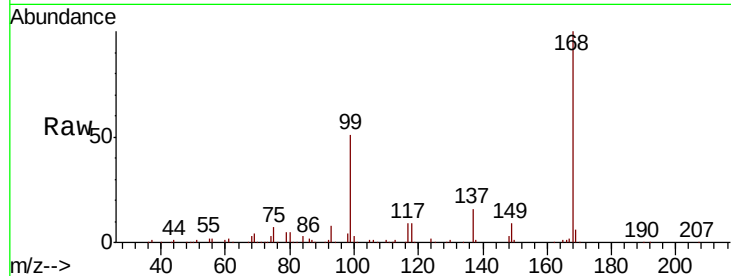
MW-3

Tot Ion:168 Resp: 734675

Ion Ratio Lower Upper

168 100

99 50.5 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

200000

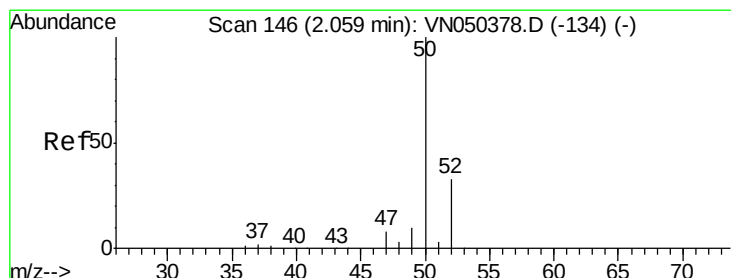
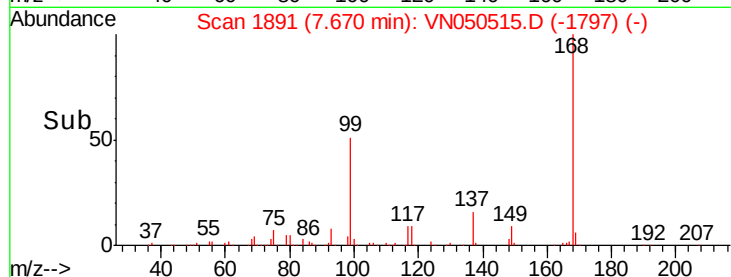
100000

0

Time-->

7.60

7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050515.D

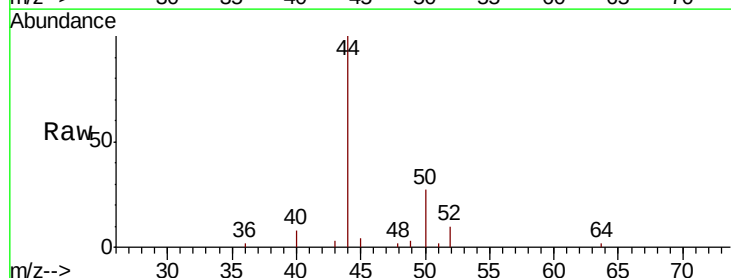
Acq: 10 Aug 2018 14:08

Tgt Ion: 50 Resp: 2968

Ion Ratio Lower Upper

50 100

52 37.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

2500

2000

1500

1000

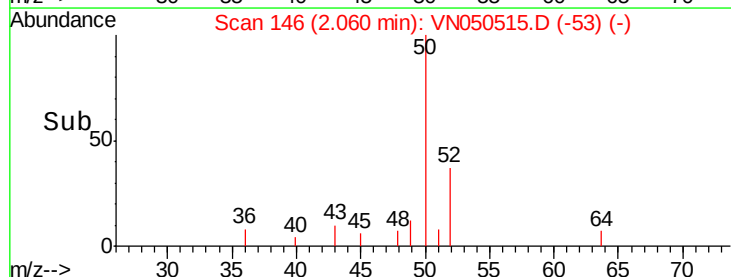
500

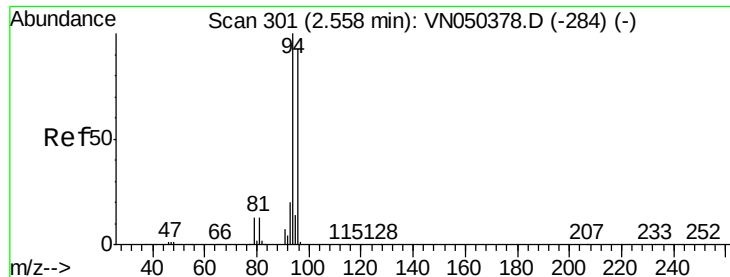
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Time-->

2.05

2.10





#5

Bromomethane

Concen: 0.92 ug/l

RT: 2.57 min Scan# 306

Delta R.T. 0.02 min

Lab File: VN050515.D

Acq: 10 Aug 2018 14:08

Instrument :

MSVOA_N

ClientSampled :

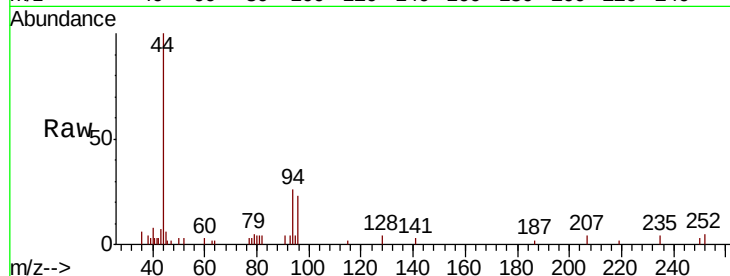
MW-3

Tot Ion: 94 Resp: 3831

Ion Ratio Lower Upper

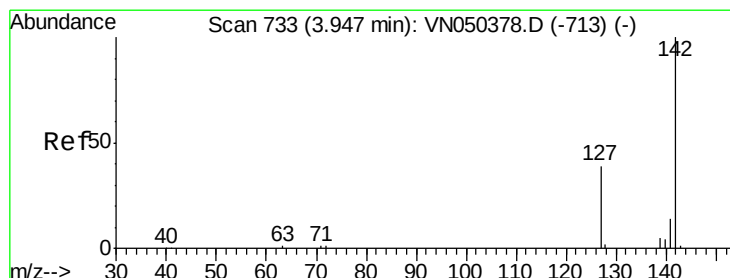
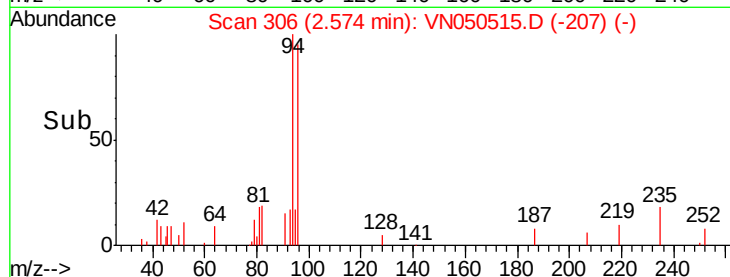
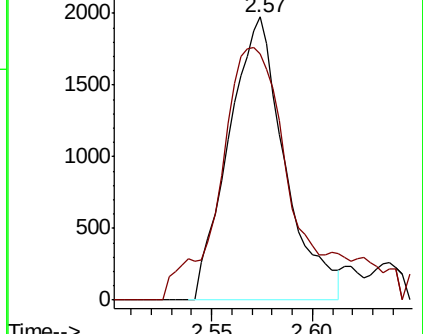
94 100

96 72.5 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VN050378.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN050378.D (-284) (-)



#10

Methyl Iodide

Concen: 0.44 ug/l

RT: 3.96 min Scan# 736

Delta R.T. 0.01 min

Lab File: VN050515.D

Acq: 10 Aug 2018 14:08

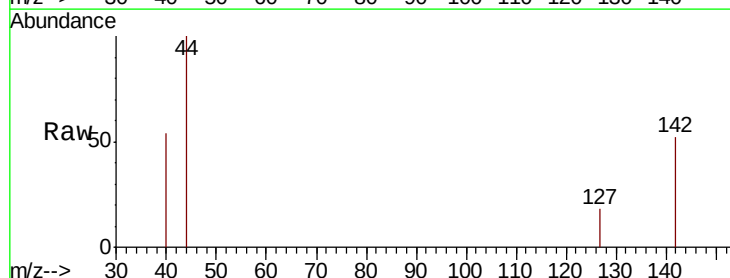
Tgt Ion: 142 Resp: 1621

Ion Ratio Lower Upper

142 100

127 20.8 33.4 50.2#

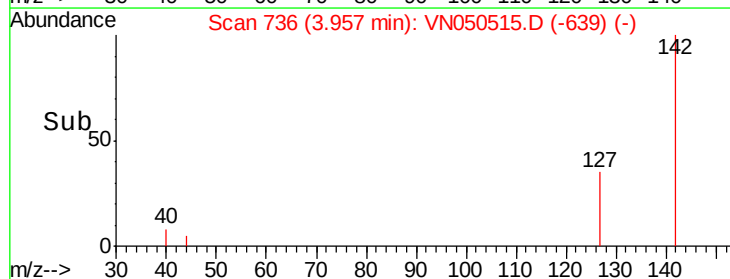
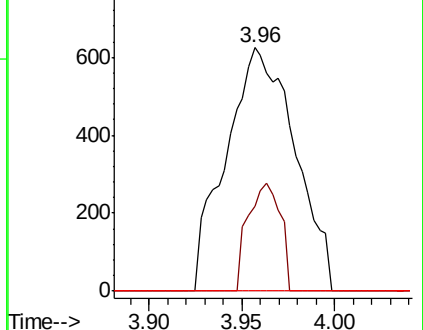
141 0.0 11.6 17.4#

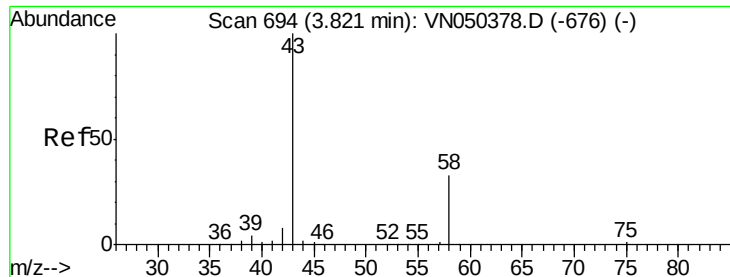


Abundance Ion 141.80 (141.50 to 142.50): VN050378.D (-713) (-)

Ion 126.80 (126.50 to 127.50): VN050378.D (-713) (-)

Ion 140.80 (140.50 to 141.50): VN050378.D (-713) (-)





#16

Acetone

Concen: 0.96 ug/l

RT: 3.83 min Scan# 698

Delta R.T. 0.01 min

Lab File: VN050515.D

Acq: 10 Aug 2018 14:08

Instrument :

MSVOA_N

ClientSampled :

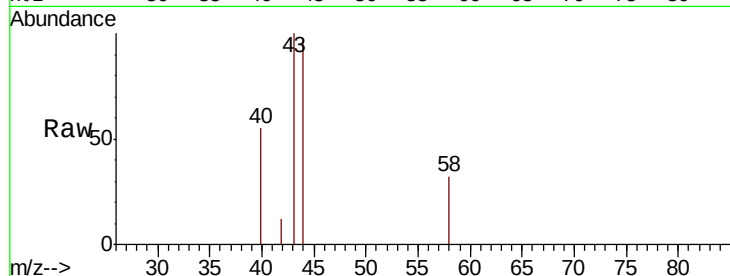
MW-3

Tot Ion: 43 Resp: 3873

Ion Ratio Lower Upper

43 100

58 31.6 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-676) (-)

Ion 58.00 (57.70 to 58.70): VN050378.D (-676) (-)

3.83

1500

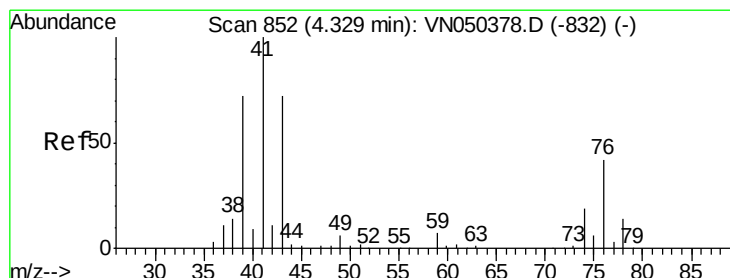
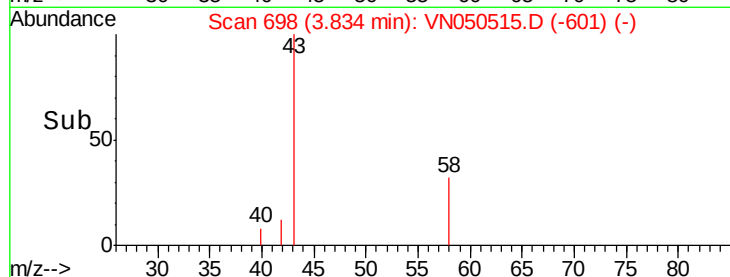
1000

500

0

3.75 3.80 3.85 3.90

Time-->



#18

Methyl Acetate

Concen: 0.35 ug/l

RT: 4.34 min Scan# 855

Delta R.T. 0.01 min

Lab File: VN050515.D

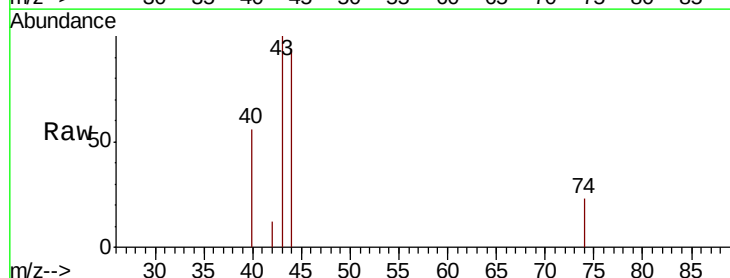
Acq: 10 Aug 2018 14:08

Tgt Ion: 43 Resp: 4150

Ion Ratio Lower Upper

43 100

74 12.9 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-832) (-)

Ion 74.00 (73.70 to 74.70): VN050378.D (-832) (-)

4.34

1500

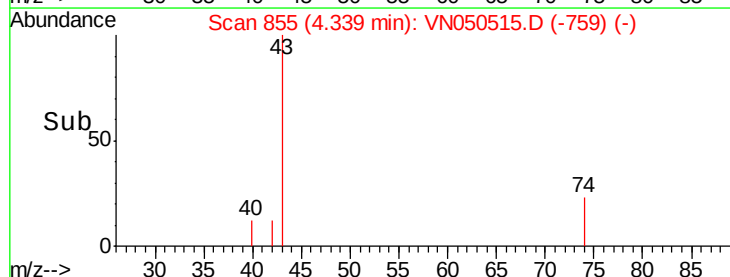
1000

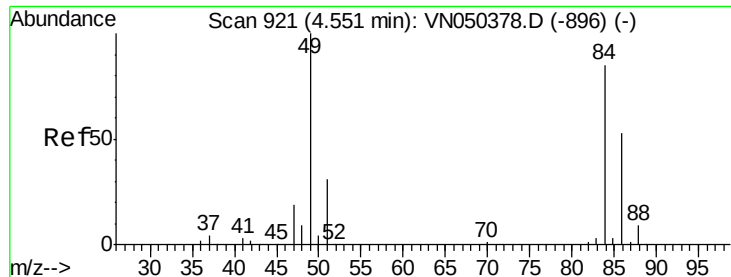
500

0

4.25 4.30 4.35 4.40

Time-->

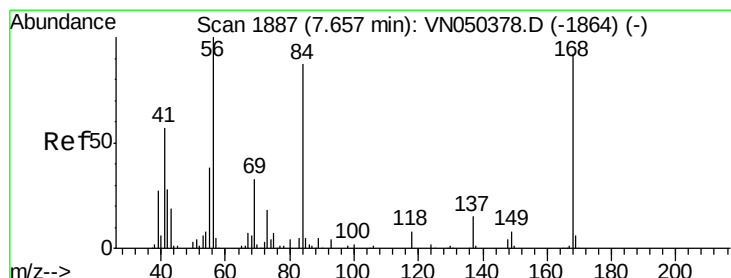
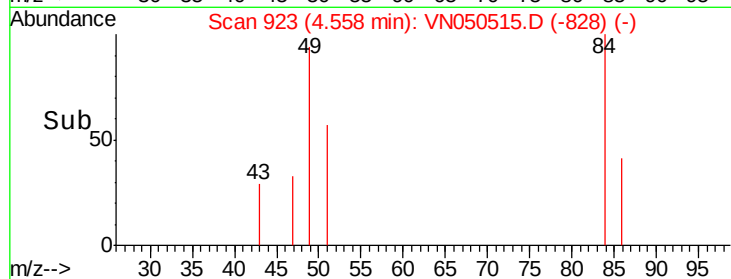
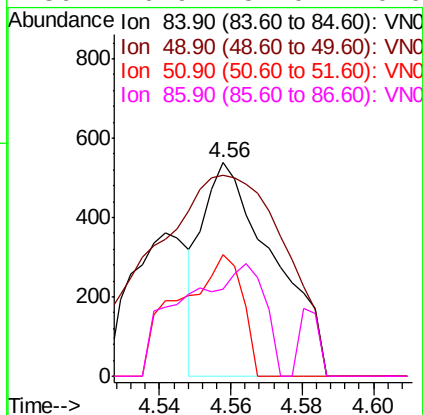
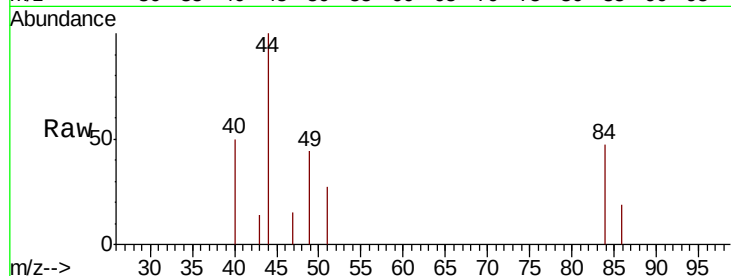




#20
Methylene Chloride
Concen: Below Cal
RT: 4.56 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN050515.D
Acq: 10 Aug 2018 14:08

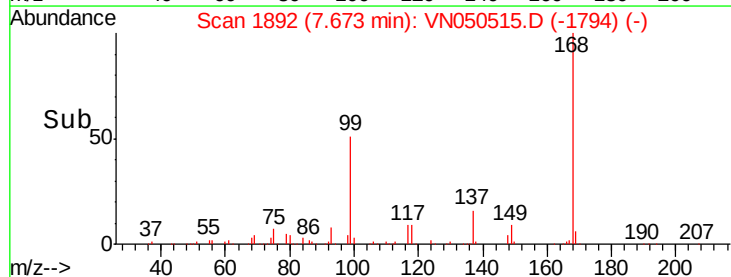
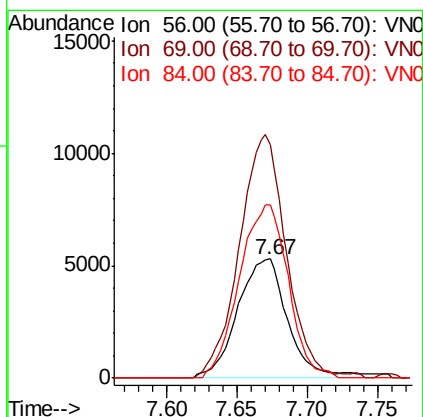
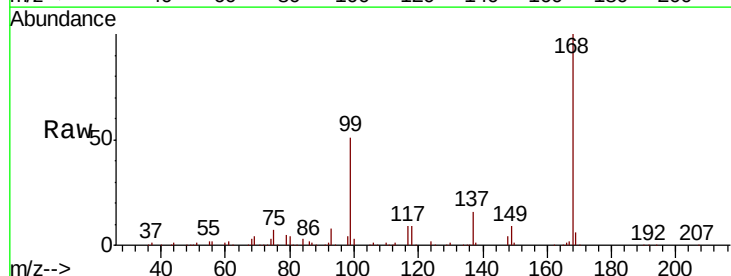
Instrument :
MSVOA_N
ClientSampleId :
MW-3

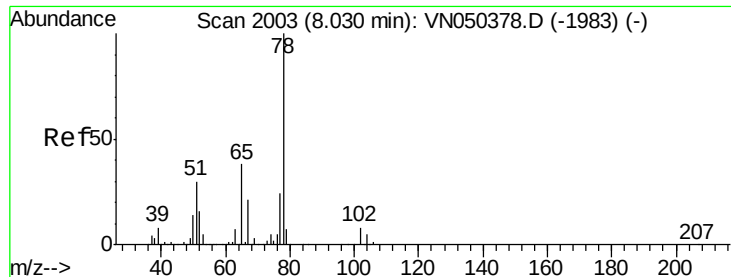
Tot Ion: 84 Resp: 741
Ion Ratio Lower Upper
84 100
49 94.2 94.8 142.2#
51 57.2 28.3 42.5#
86 40.9 51.0 76.6#



#31
Cyclohexane
Concen: 0.30 ug/l
RT: 7.67 min Scan# 1892
Delta R.T. 0.02 min
Lab File: VN050515.D
Acq: 10 Aug 2018 14:08

Tgt Ion: 56 Resp: 12975
Ion Ratio Lower Upper
56 100
69 195.4 26.2 39.4#
84 145.5 67.4 101.0#

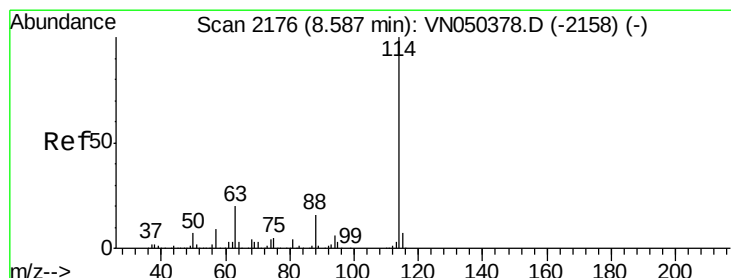
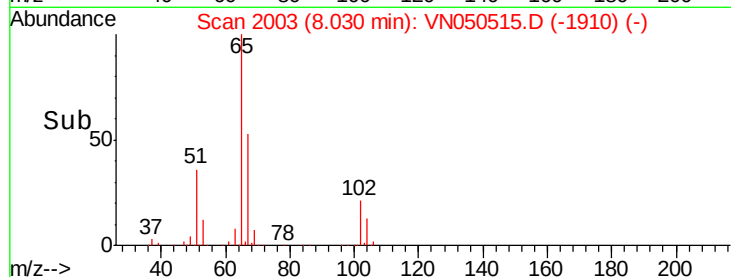
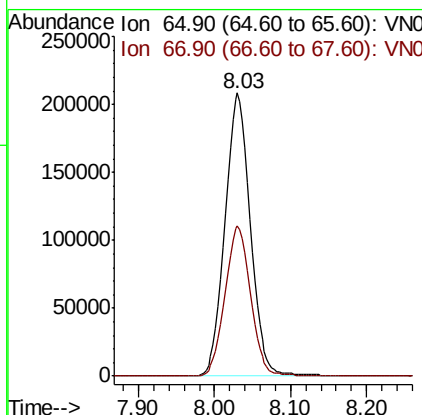
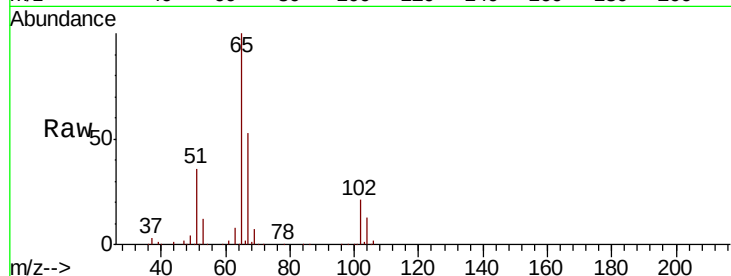




#33
 1,2-Dichloroethane-d4
 Concen: 49.64 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050515.D
 Acq: 10 Aug 2018 14:08

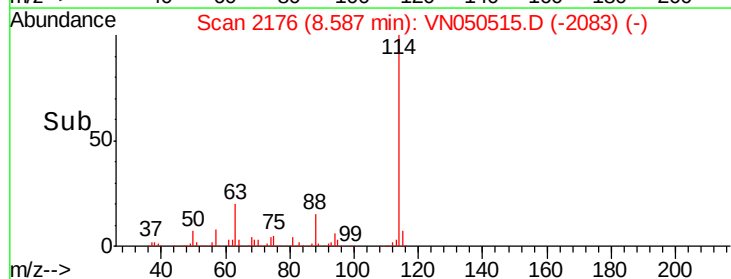
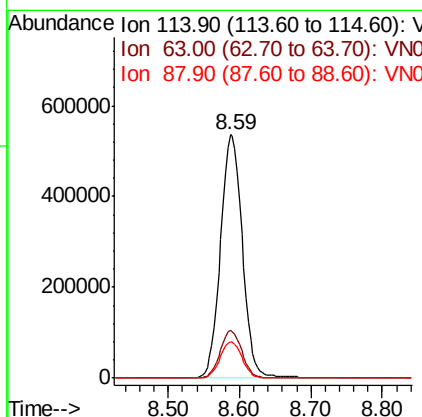
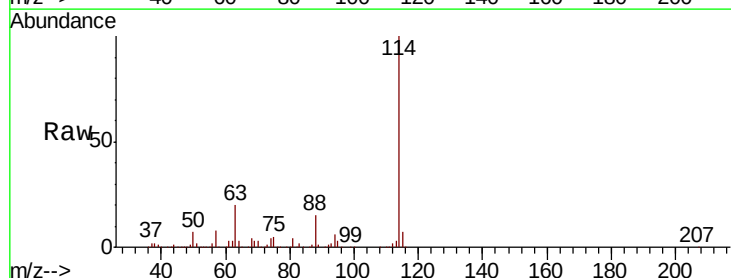
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

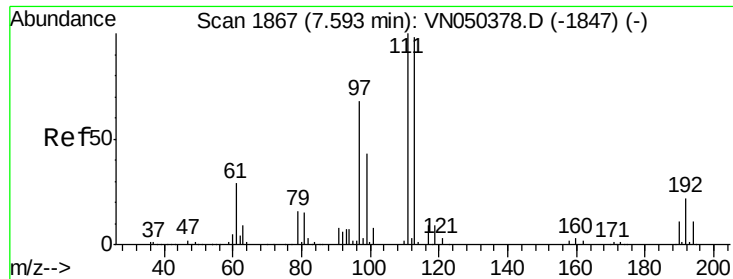
Tot Ion: 65 Resp: 487274
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050515.D
 Acq: 10 Aug 2018 14:08

Tgt Ion: 114 Resp: 1141779
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.1 0.0 31.2

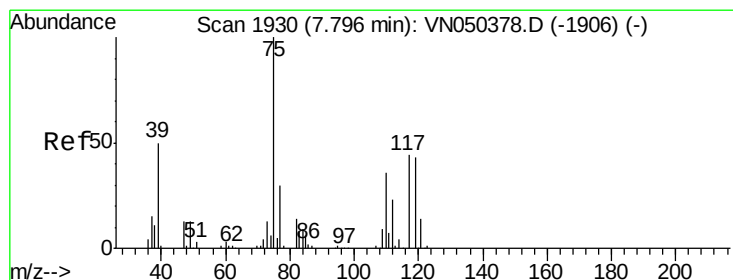
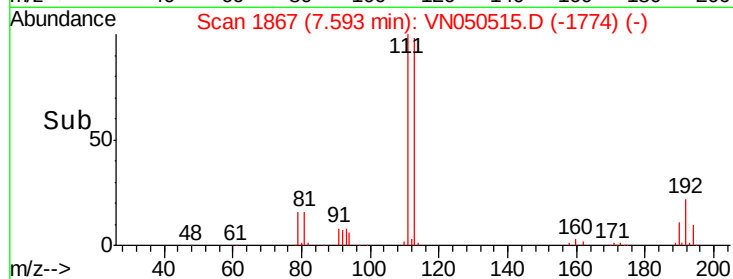
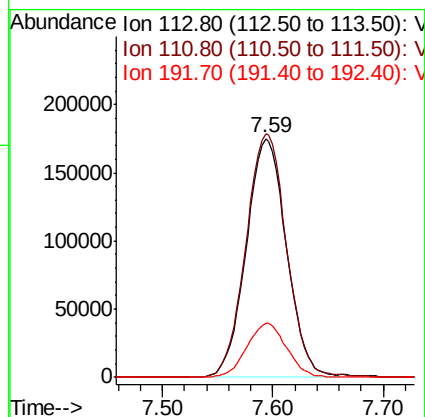
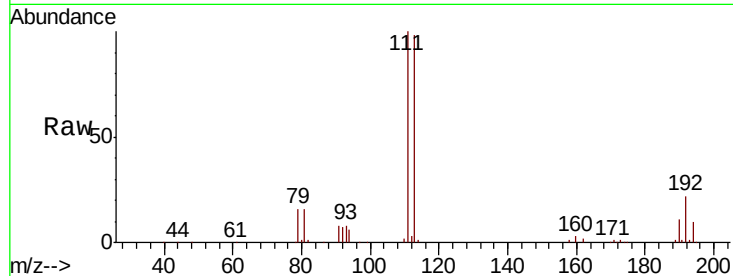




#35
 Dibromofluoromethane
 Concen: 48.27 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050515.D
 Acq: 10 Aug 2018 14:08

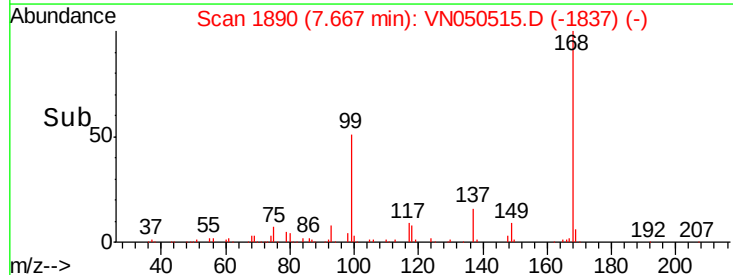
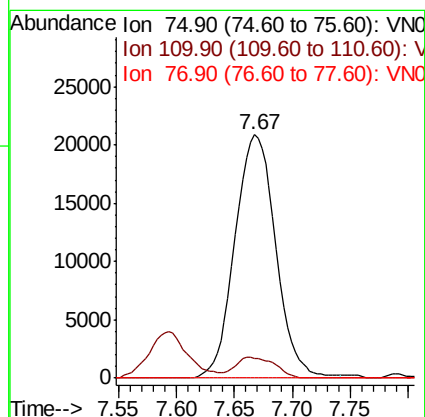
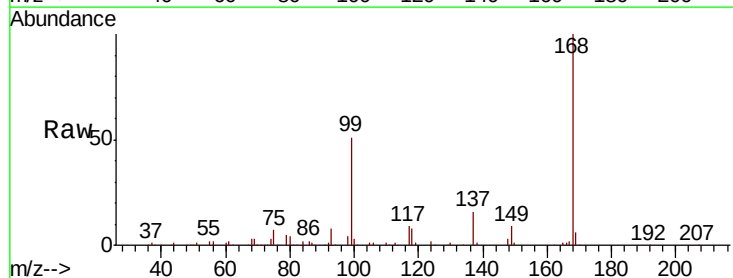
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

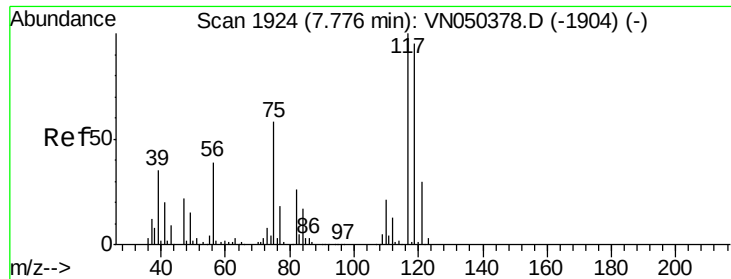
Tot Ion:113 Resp: 442186
 Ion Ratio Lower Upper
 113 100
 111 103.6 80.7 121.1
 192 22.4 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 4.07 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050515.D
 Acq: 10 Aug 2018 14:08

Tgt Ion: 75 Resp: 51121
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.4 55.2#
 77 0.0 25.3 37.9#

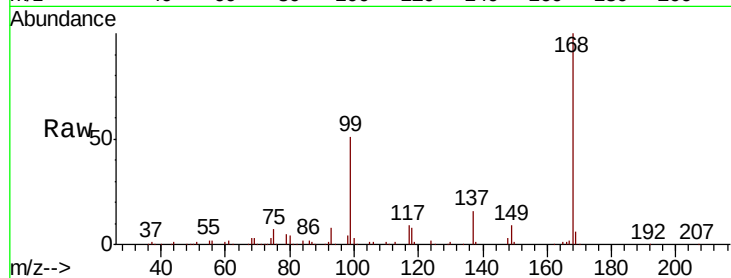




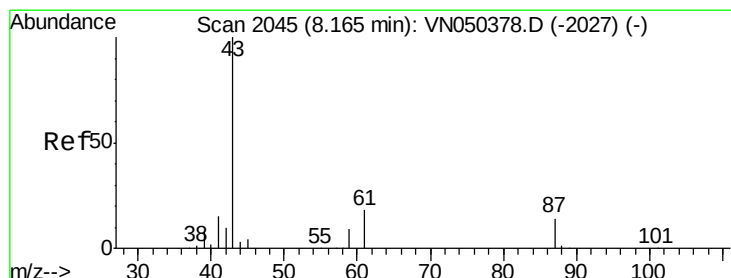
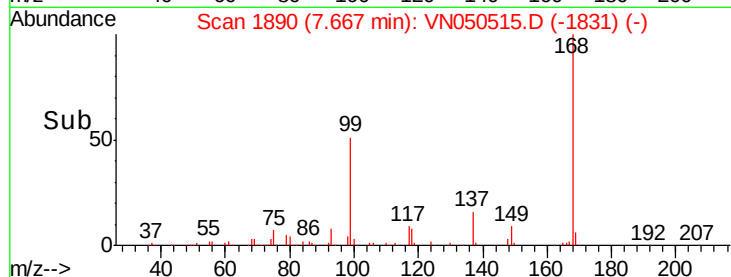
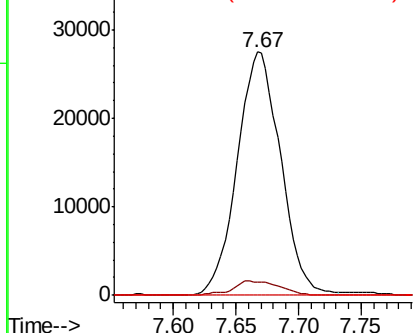
#38
Carbon Tetrachloride
Concen: 5.06 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050515.D
Acq: 10 Aug 2018 14:08

Instrument :
MSVOA_N
ClientSampled :
MW-3

Tot Ion:117 Resp: 66243
Ion Ratio Lower Upper
117 100
119 5.6 77.4 116.0#
121 0.0 23.9 35.9#

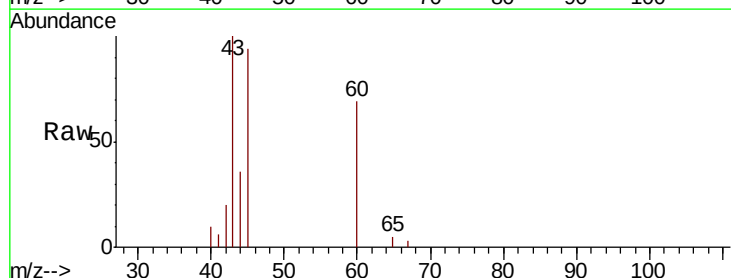


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

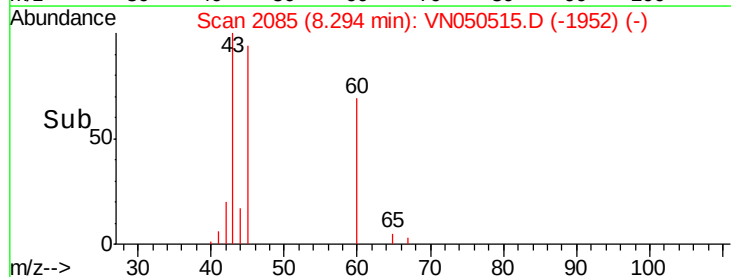
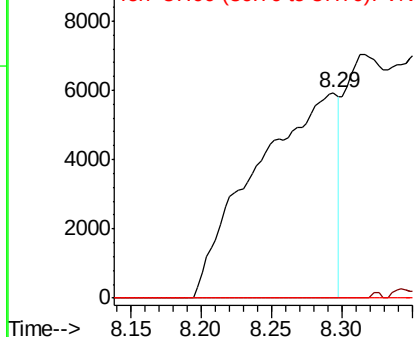


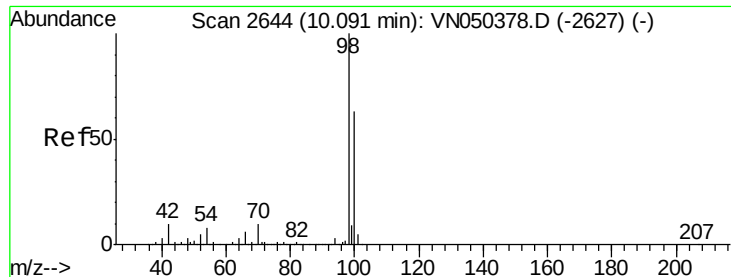
#43
Isopropyl Acetate
Concen: 1.53 ug/l
RT: 8.29 min Scan# 2085
Delta R.T. 0.13 min
Lab File: VN050515.D
Acq: 10 Aug 2018 14:08

Tgt Ion: 43 Resp: 23862
Ion Ratio Lower Upper
43 100
61 0.0 15.8 23.6#
87 0.0 10.3 15.5#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO

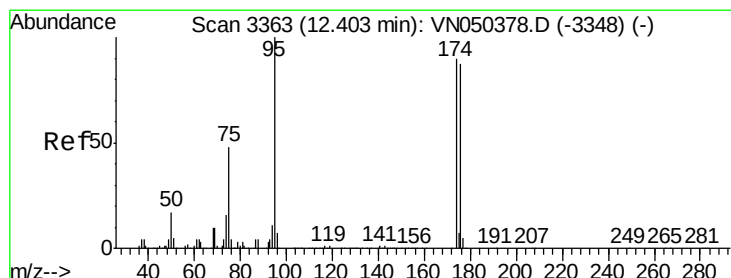
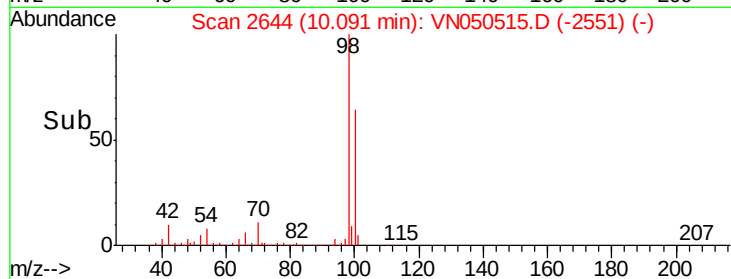
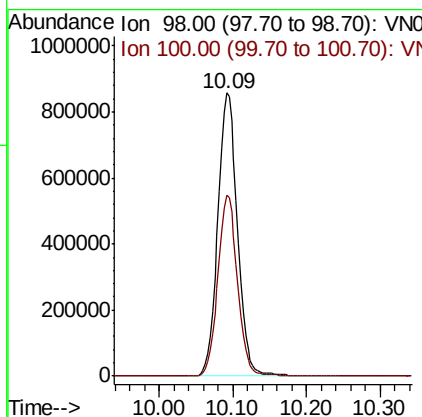
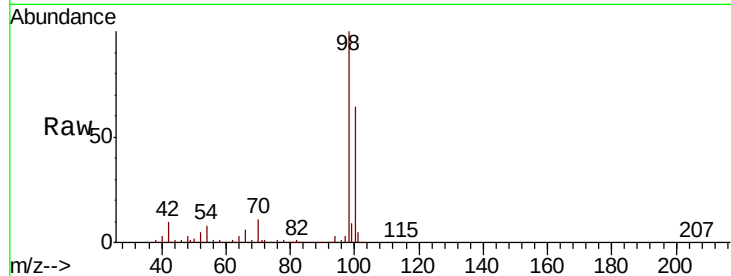




#50
Toluene-d8
Concen: 45.97 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050515.D
Acq: 10 Aug 2018 14:08

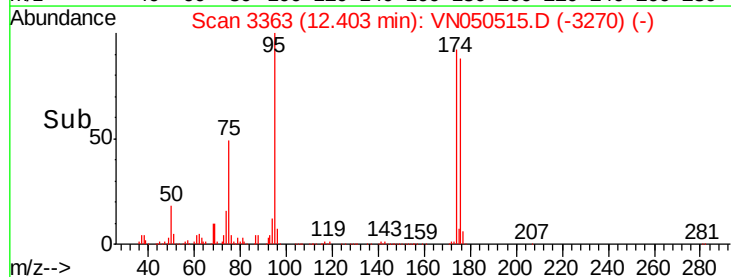
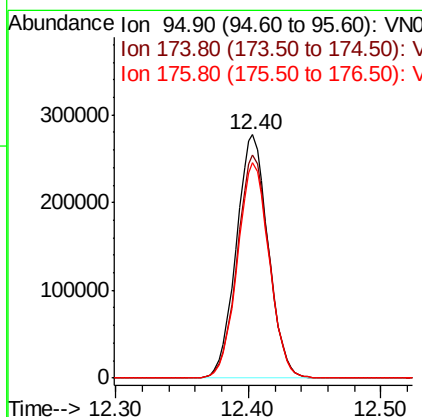
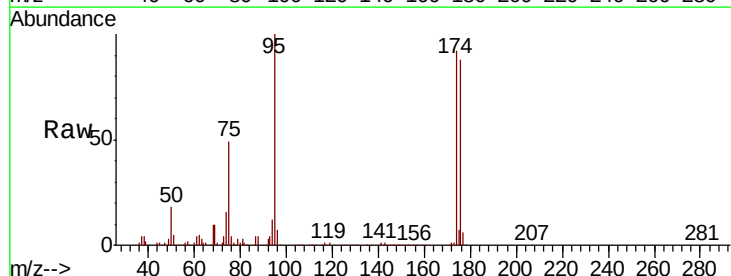
Instrument :
MSVOA_N
ClientSampled :
MW-3

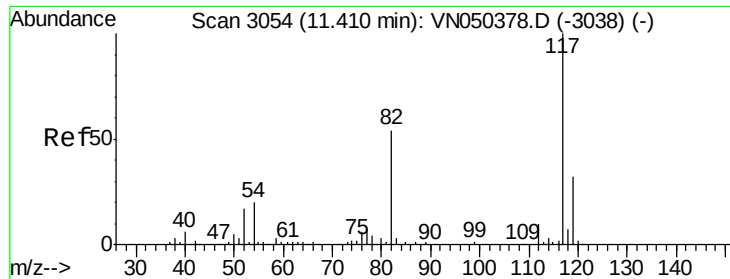
Tot Ion: 98 Resp: 1583337
Ion Ratio Lower Upper
98 100
100 63.8 50.7 76.1



#62
4-Bromofluorobenzene
Concen: 39.44 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050515.D
Acq: 10 Aug 2018 14:08

Tgt Ion: 95 Resp: 462992
Ion Ratio Lower Upper
95 100
174 91.9 0.0 178.2
176 88.3 0.0 173.4

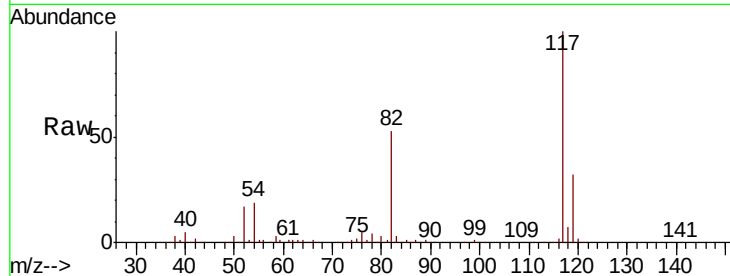




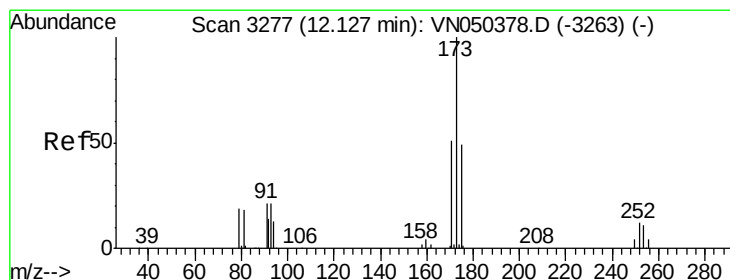
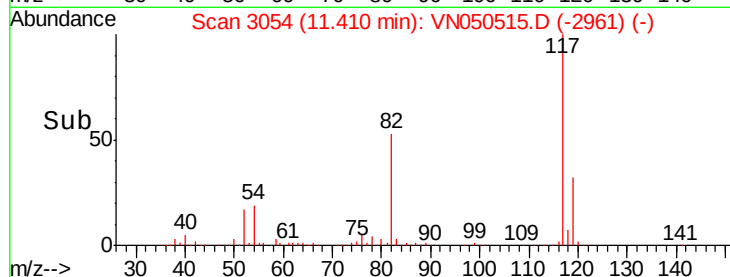
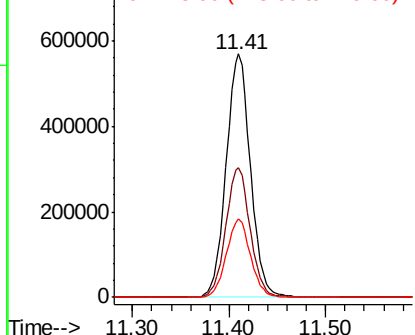
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050515.D
Acq: 10 Aug 2018 14:08

Instrument :
MSVOA_N
ClientSampled :
MW-3

Tot Ion:117 Resp: 990588
Ion Ratio Lower Upper
117 100
82 53.4 43.7 65.5
119 32.3 26.1 39.1

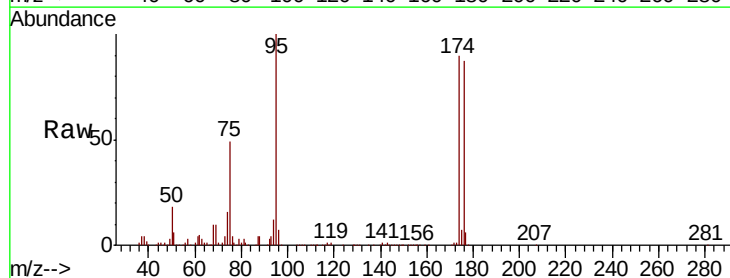


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

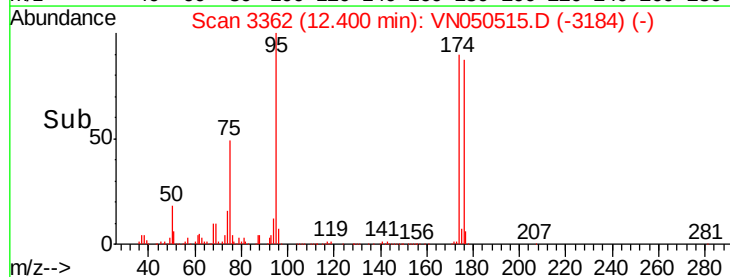
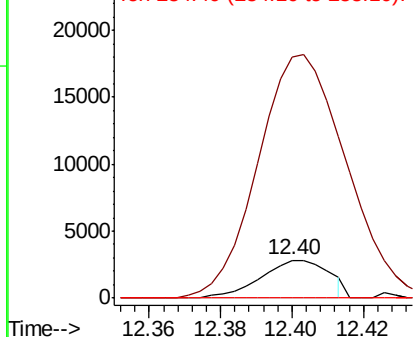


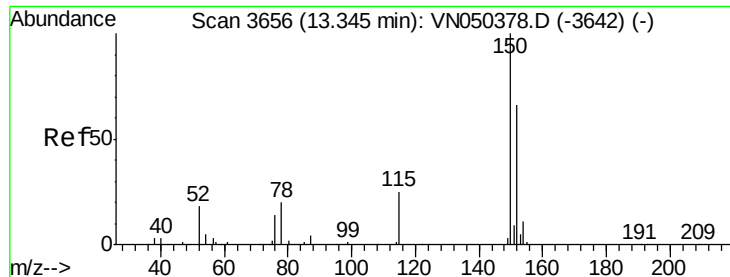
#71
Bromoform
Concen: 0.56 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. 0.27 min
Lab File: VN050515.D
Acq: 10 Aug 2018 14:08

Tgt Ion:173 Resp: 3725
Ion Ratio Lower Upper
173 100
175 697.9 24.1 72.2#
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: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050515.D

Acq: 10 Aug 2018 14:08

Instrument :

MSVOA_N

ClientSampled :

MW-3

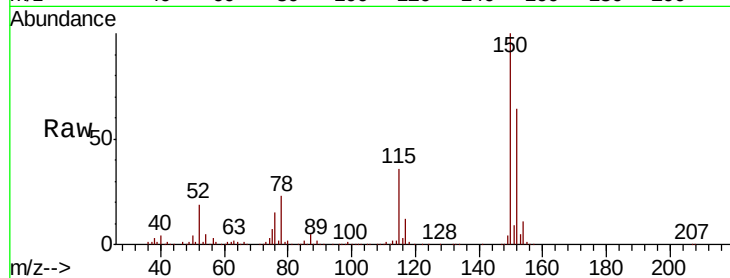
Tot Ion:152 Resp: 405594

Ion Ratio Lower Upper

152 100

115 56.2 27.8 83.3

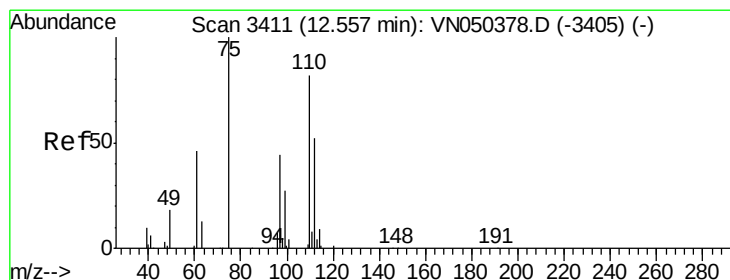
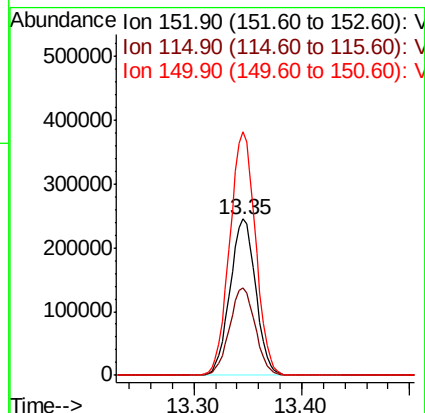
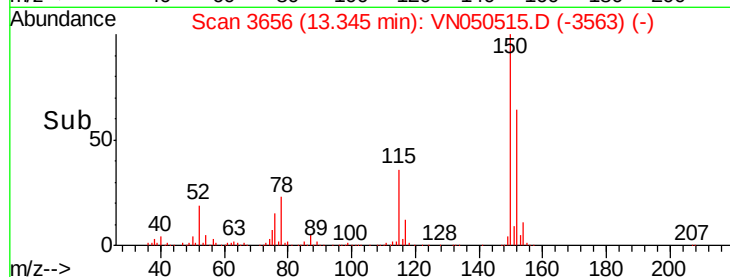
150 156.3 0.0 348.6



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



#76

1,2,3-Trichloropropane

Concen: 30.52 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050515.D

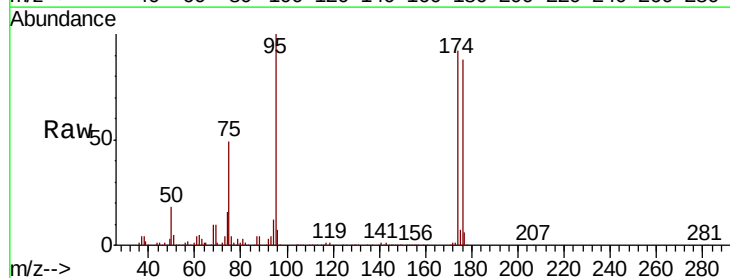
Acq: 10 Aug 2018 14:08

Tgt Ion: 75 Resp: 224054

Ion Ratio Lower Upper

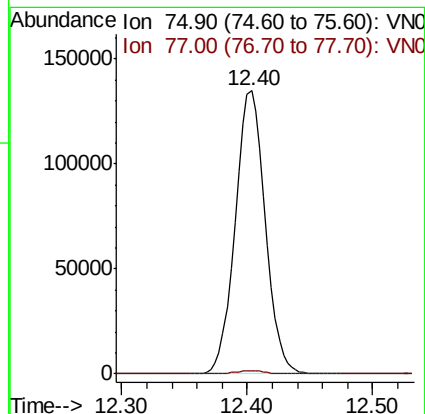
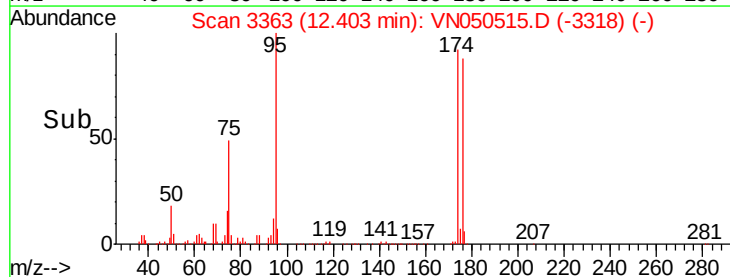
75 100

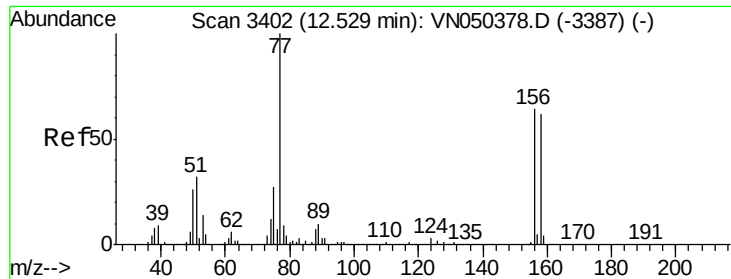
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#77

Bromobenzene

Concen: 0.57 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050515.D

Acq: 10 Aug 2018 14:08

Instrument :

MSVOA_N

ClientSampled :

MW-3

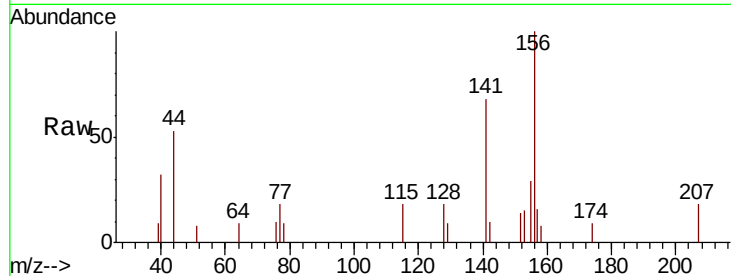
Tot Ion:156 Resp: 4671

Ion Ratio Lower Upper

156 100

77 11.7 91.7 275.1#

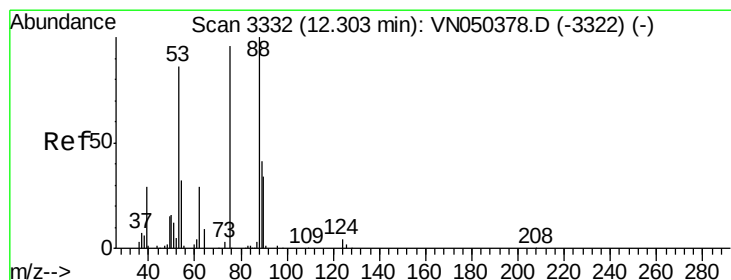
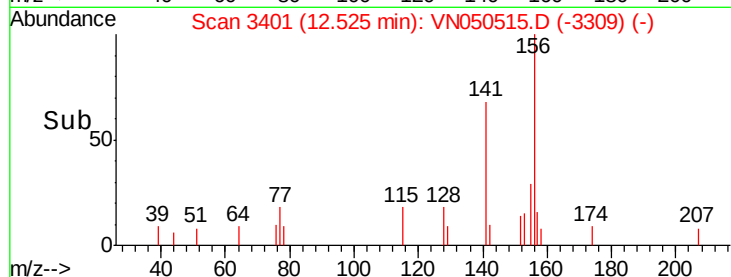
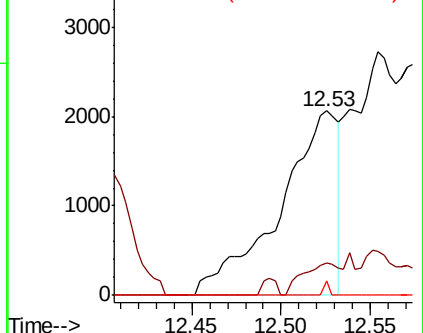
158 0.6 48.9 146.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 107.23 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050515.D

Acq: 10 Aug 2018 14:08

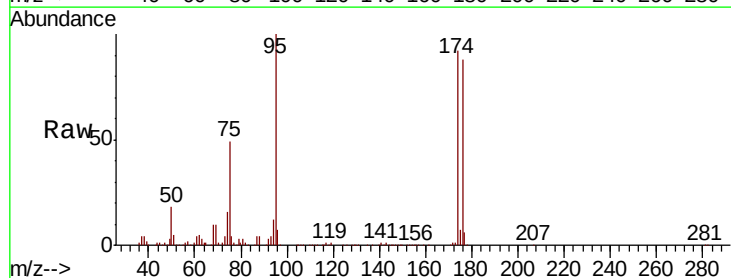
Tgt Ion: 75 Resp: 224054

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

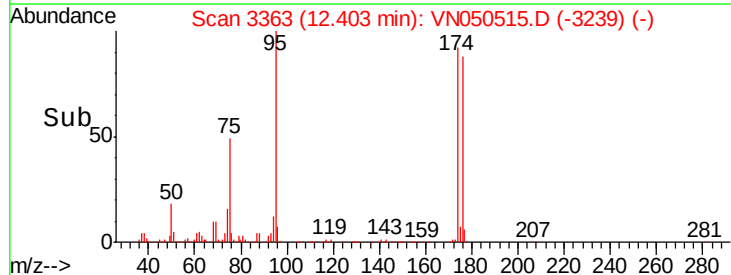
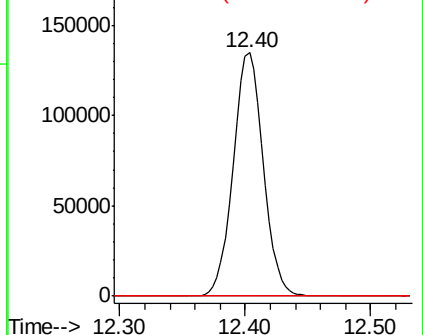
89 0.0 36.0 54.0#

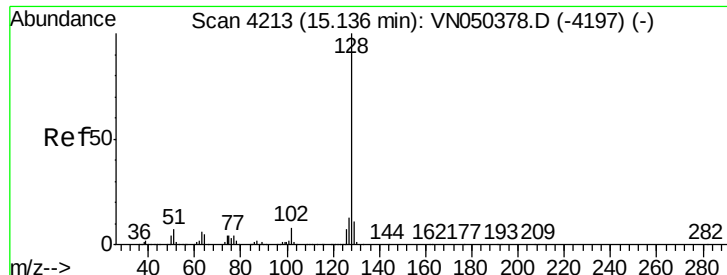


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95
Naphthalene
Concen: 3.69 ug/l
RT: 15.14 min Scan# 4215
Delta R.T. 0.01 min
Lab File: VN050515.D
Acq: 10 Aug 2018 14:08

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	6.5	8.8	13.2

