

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031419\
 Data File : VN054254.D
 Acq On : 14 Mar 2019 11:43
 Operator : JC/SP
 Sample : VN0314WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBL01

Quant Time: Mar 15 06:50:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1301277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2160333	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2334602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1016149	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	706391	51.12	ug/l	0.00
Spiked Amount						
			Recovery	=	102.24%	
35) Dibromofluoromethane	7.59	113	665477	47.76	ug/l	0.00
Spiked Amount						
			Recovery	=	95.52%	
50) Toluene-d8	10.09	98	2732217	53.10	ug/l	0.00
Spiked Amount						
			Recovery	=	106.20%	
62) 4-Bromofluorobenzene	12.40	95	1061118	58.93	ug/l	0.00
Spiked Amount						
			Recovery	=	117.86%	

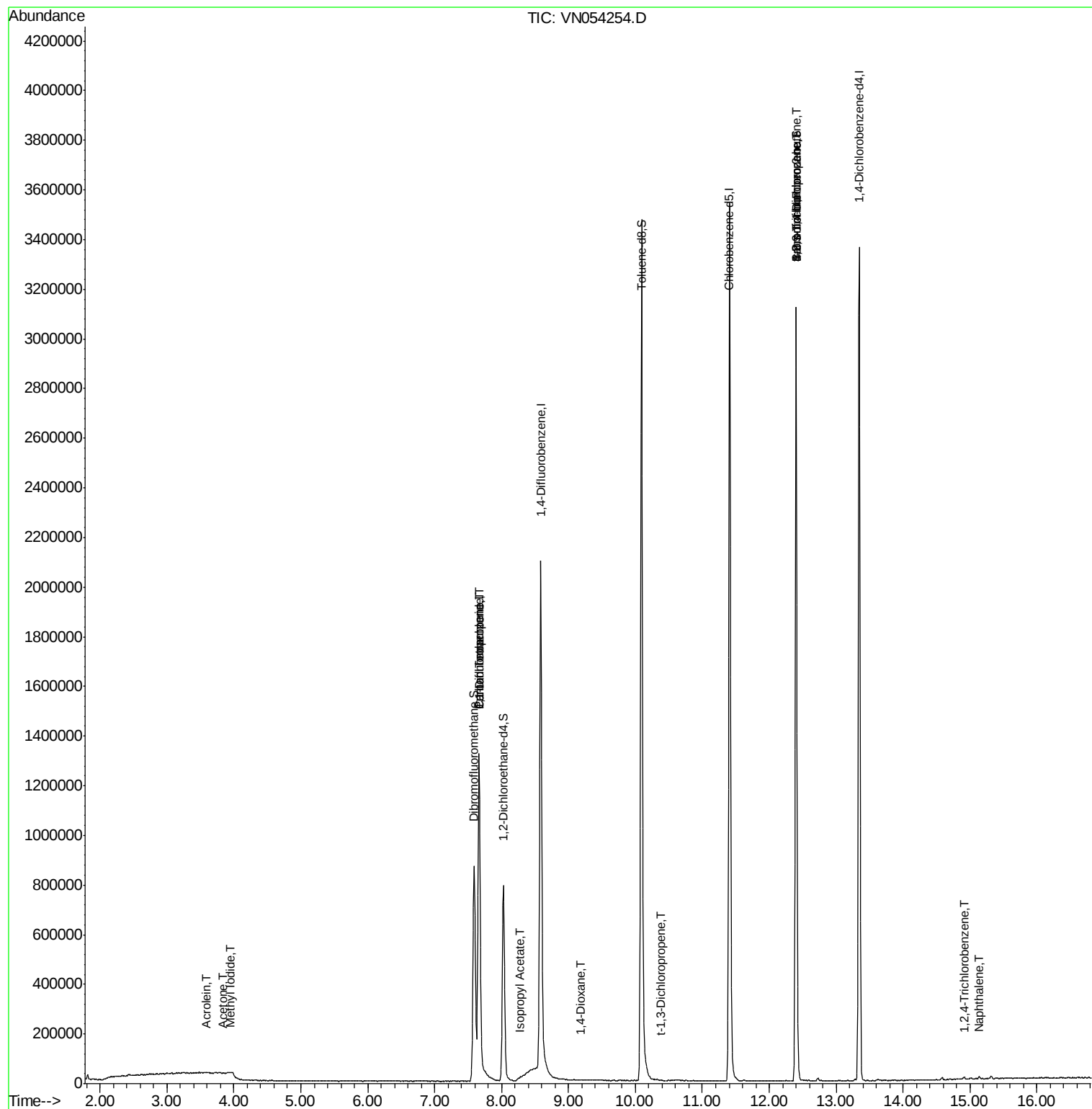
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	253	1.510	ug/l #	42
13) Acrolein	3.60	56	845	0.941	ug/l #	14
16) Acetone	3.84	43	829	0.210	ug/l #	71
31) Cyclohexane	7.66	56	20397	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	76404	3.840	ug/l #	48
38) Carbon Tetrachloride	7.66	117	103443	4.958	ug/l #	16
43) Isopropyl Acetate	8.26	43	9809	0.489	ug/l #	60
49) 1,4-Dioxane	9.19	88	32	0.222	ug/l #	1
53) t-1,3-Dichloropropene	10.38	75	207	1.995	ug/l #	1
71) Bromoform	12.40	173	7532	2.856	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	519600	34.772	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	519600	118.867	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	3346	2.665	ug/l	88
95) Naphthalene	15.14	128	7993	3.637	ug/l #	94

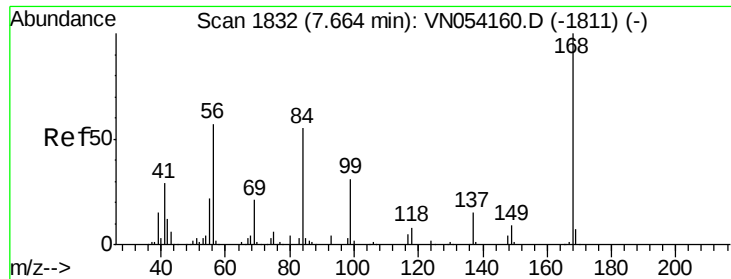
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031419\
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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054254.D

Acq: 14 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

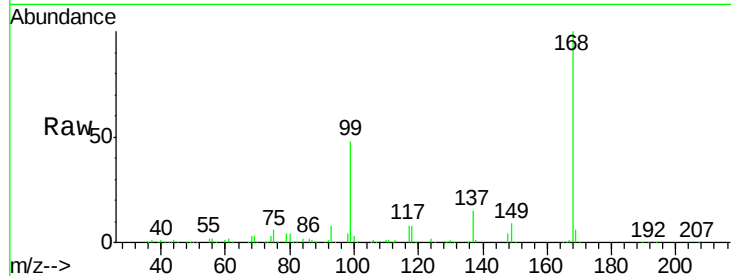
VN0314WBL01

Tot Ion:168 Resp: 1301277

Ion Ratio Lower Upper

168 100

99 47.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

500000

400000

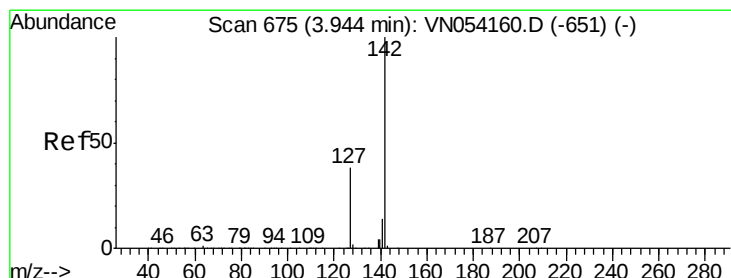
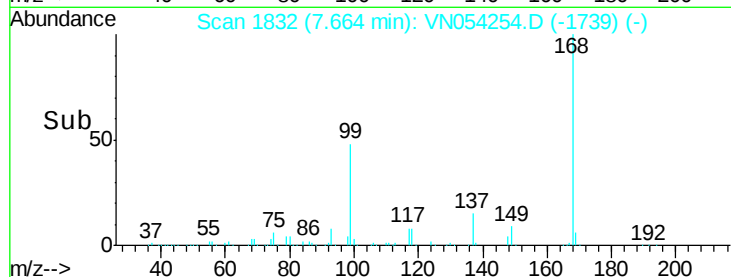
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#10

Methyl Iodide

Concen: 1.510 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054254.D

Acq: 14 Mar 2019 11:43

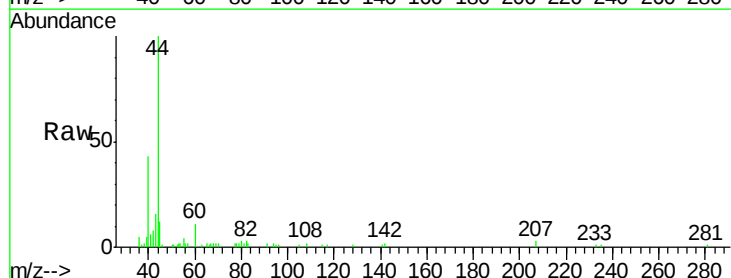
Tgt Ion:142 Resp: 253

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

141 32.4 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.94

400

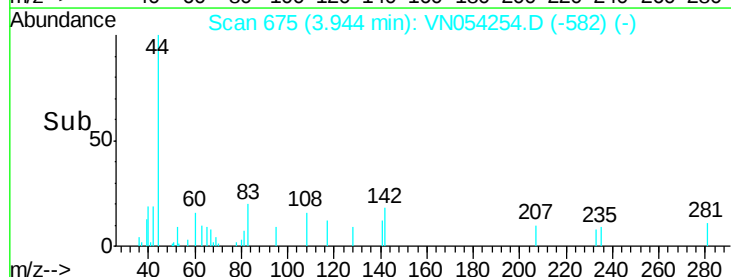
300

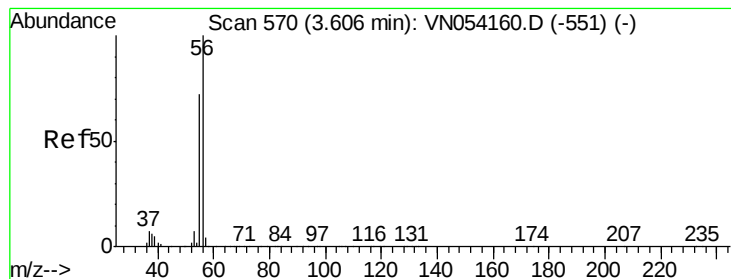
200

100

0

Time--> 3.93 3.94 3.95 3.96





#13

Acrolein

Concen: 0.941 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054254.D

Acq: 14 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampled :

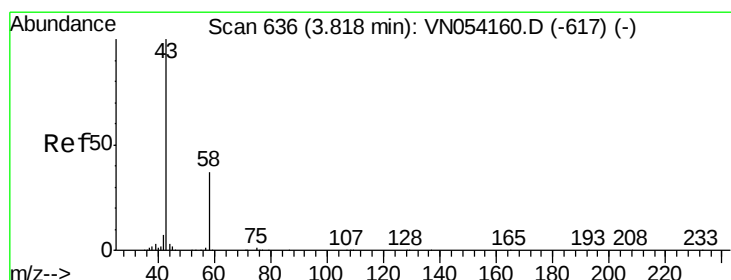
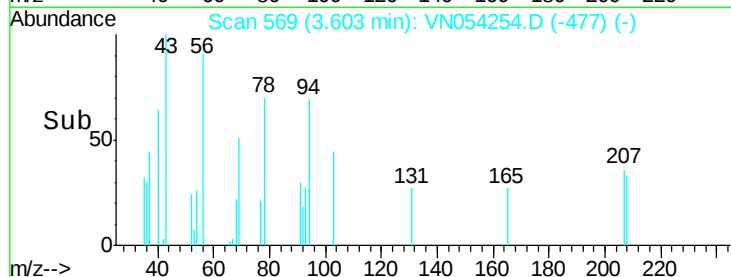
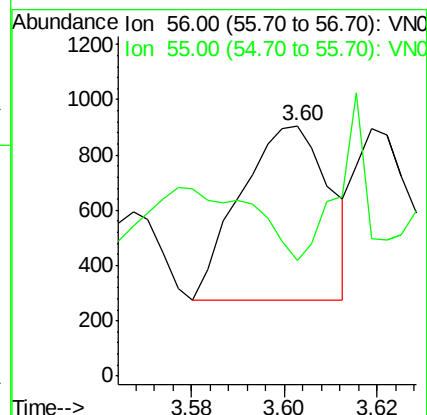
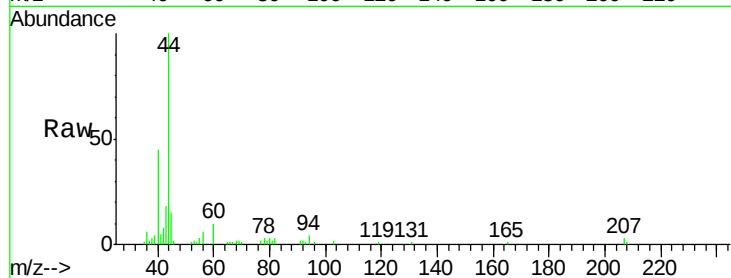
VN0314WBL01

Tot Ion: 56 Resp: 845

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



#16

Acetone

Concen: 0.210 ug/l

RT: 3.84 min Scan# 643

Delta R.T. 0.02 min

Lab File: VN054254.D

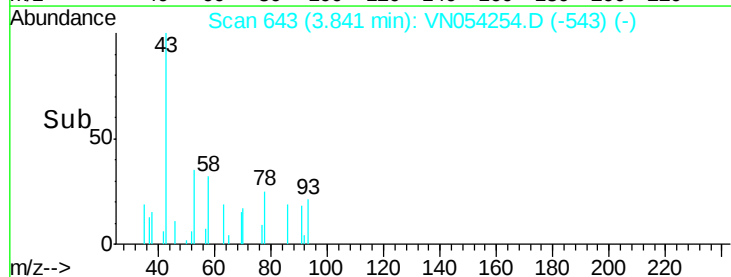
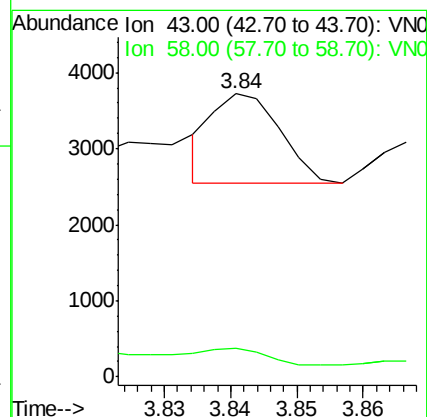
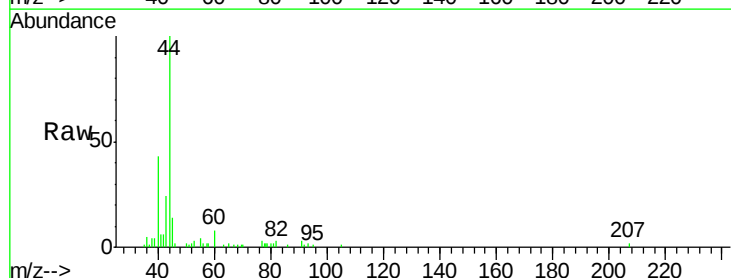
Acq: 14 Mar 2019 11:43

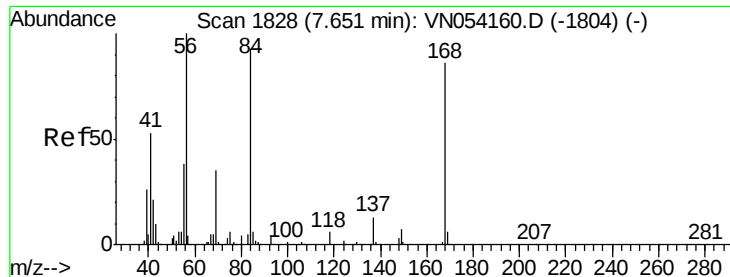
Tgt Ion: 43 Resp: 829

Ion Ratio Lower Upper

43 100

58 19.9 29.9 44.9#

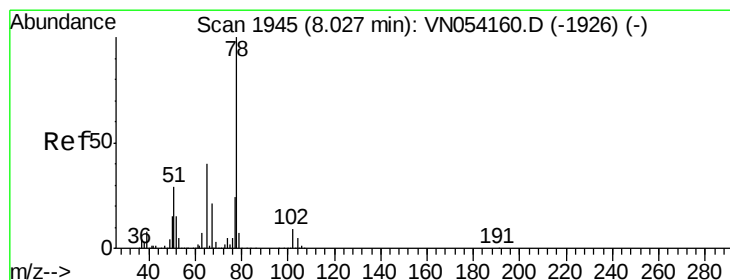
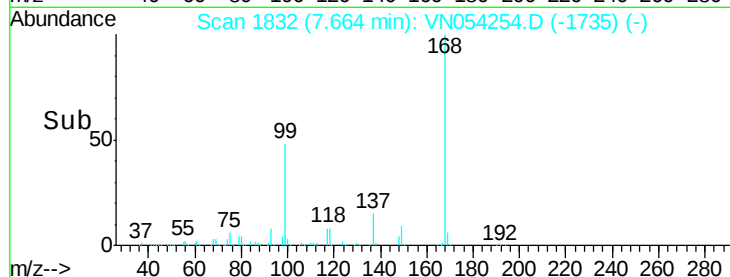
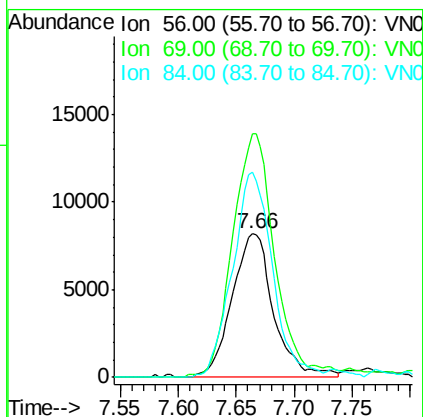
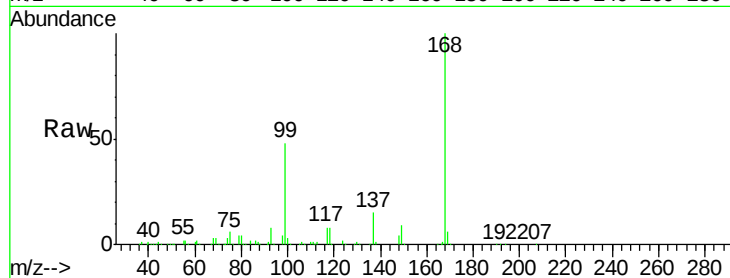




#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054254.D
Acq: 14 Mar 2019 11:43

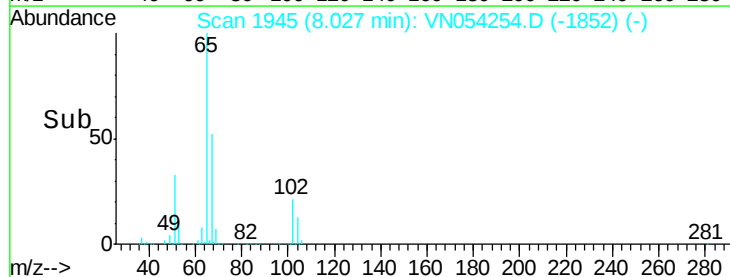
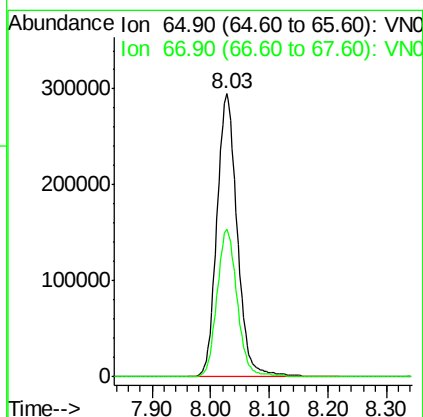
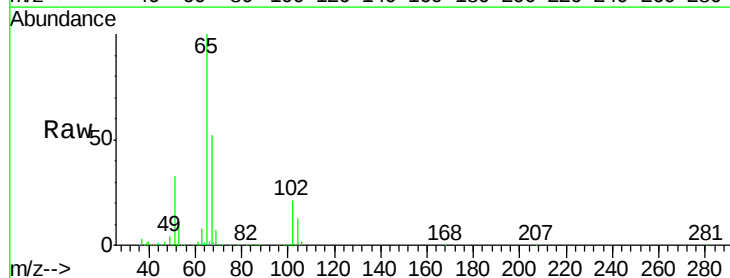
Instrument :
MSVOA_N
ClientSampleId :
VN0314WBL01

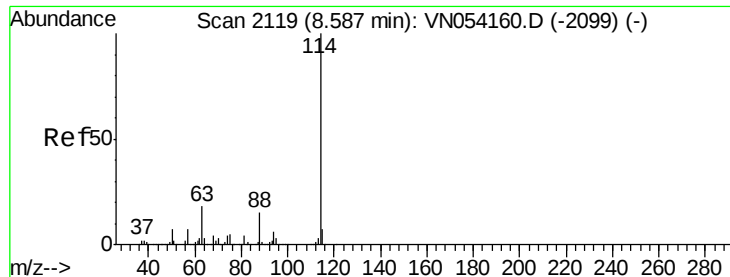
Tot Ion: 56 Resp: 20397
Ion Ratio Lower Upper
56 100
69 167.7 27.8 41.6#
84 143.1 74.6 111.8#



#33
1,2-Dichloroethane-d4
Concen: 51.115 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN054254.D
Acq: 14 Mar 2019 11:43

Tgt Ion: 65 Resp: 706391
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054254.D

Acq: 14 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBL01

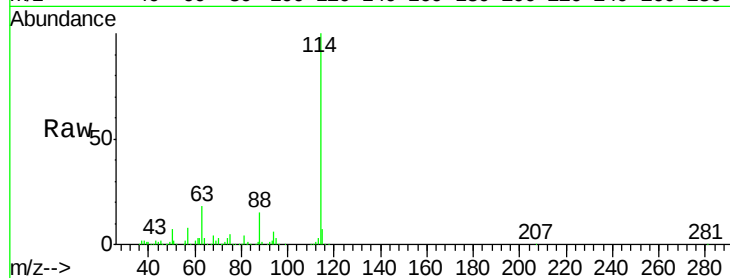
Tot Ion:114 Resp: 2160333

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.2

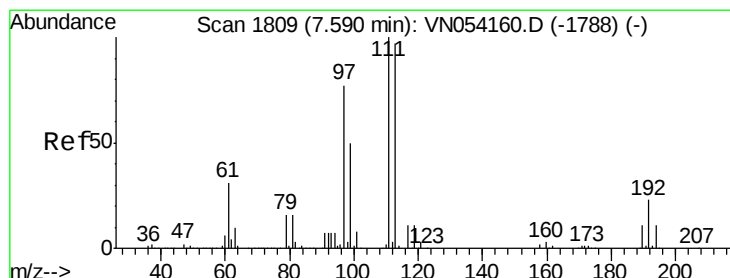
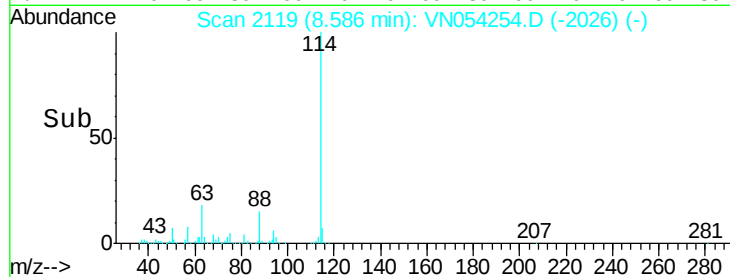
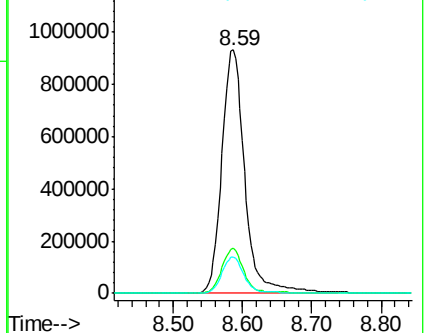
88 15.0 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 47.762 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054254.D

Acq: 14 Mar 2019 11:43

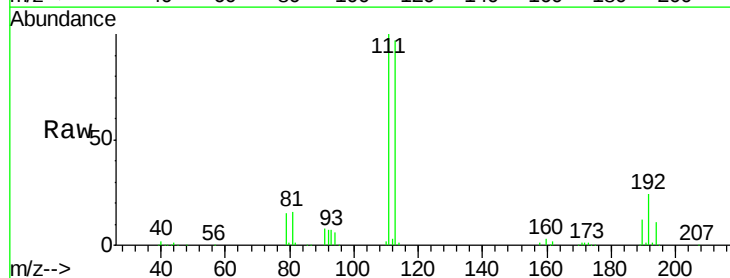
Tgt Ion:113 Resp: 665477

Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.4

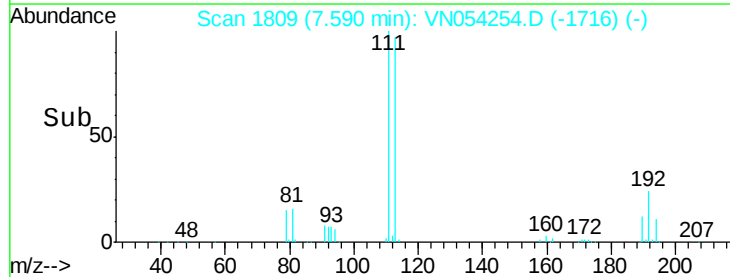
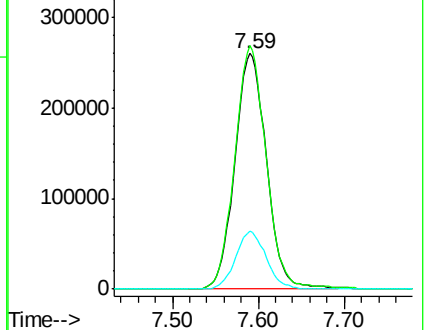
192 23.7 19.2 28.8

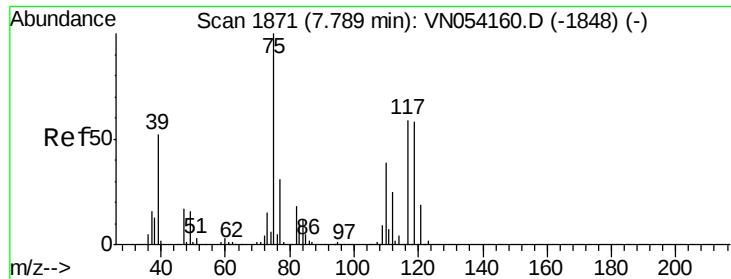


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

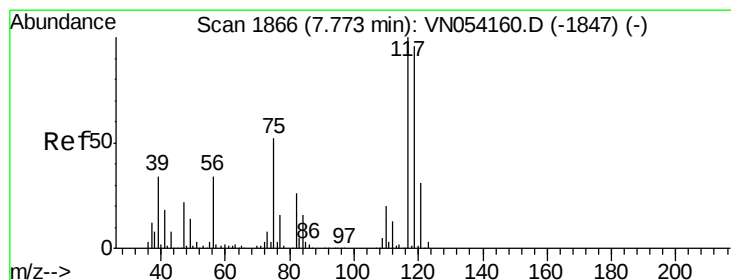
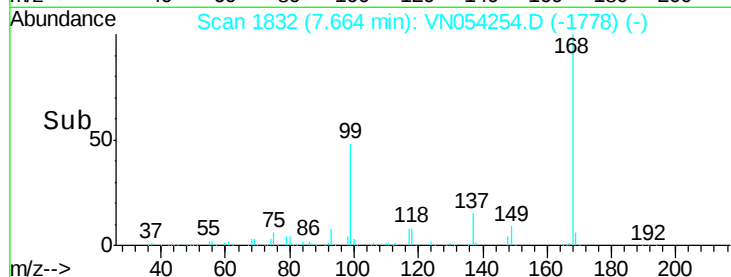
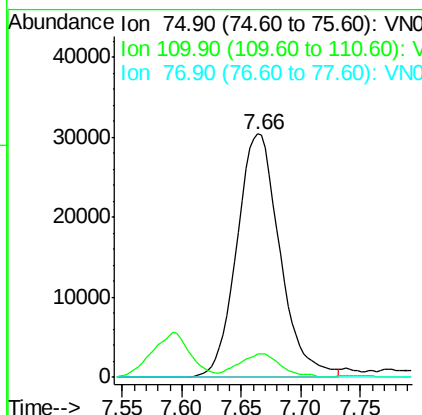
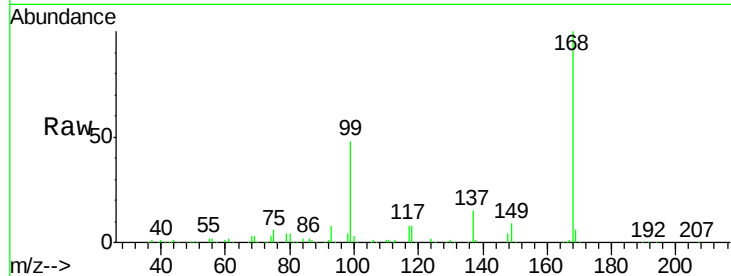




#36
 1,1-Dichloropropene
 Concen: 3.840 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054254.D
 Acq: 14 Mar 2019 11:43

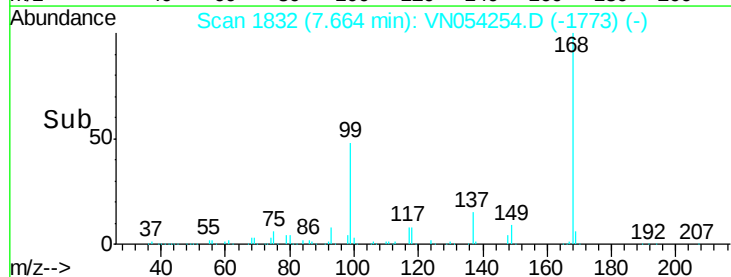
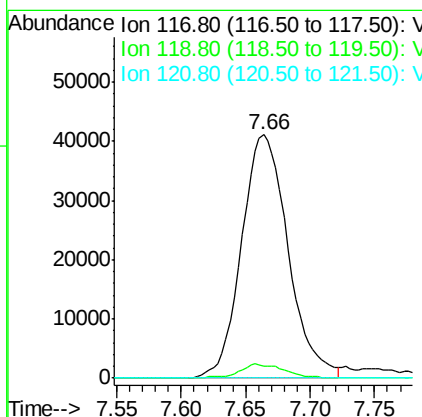
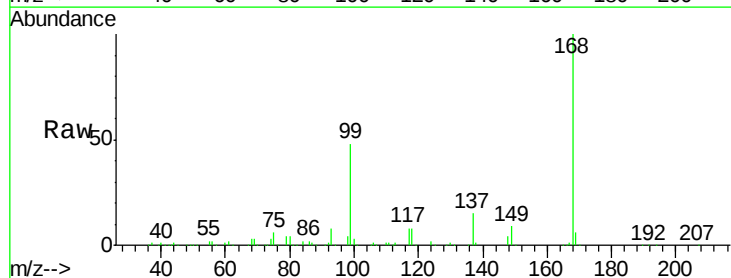
Instrument :
 MSVOA_N
 ClientSampled :
 VN0314WBL01

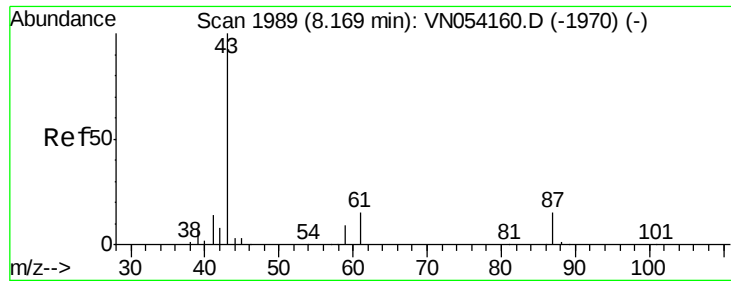
Tot Ion	75	Resp	76404
Ion Ratio	100	Lower	Upper
75	100		
110	9.6	19.1	57.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 4.958 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN054254.D
 Acq: 14 Mar 2019 11:43

Tgt Ion	117	Resp	103443
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.1	76.3	114.5#
121	0.0	24.6	36.8#





#43

Isopropyl Acetate

Concen: 0.489 ug/l

RT: 8.26 min Scan# 2017

Delta R.T. 0.09 min

Lab File: VN054254.D

Acq: 14 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampled :

VN0314WBL01

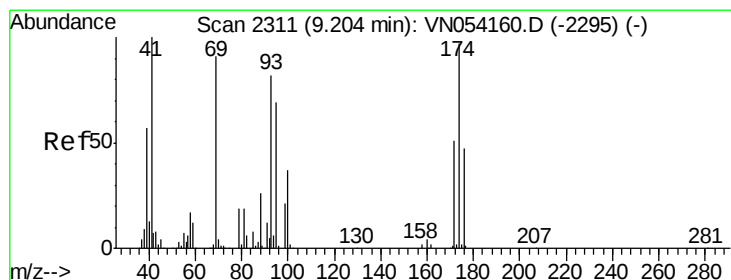
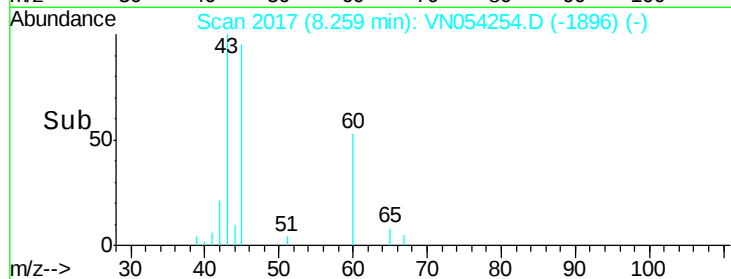
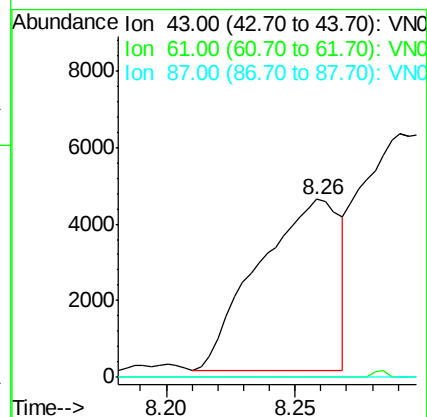
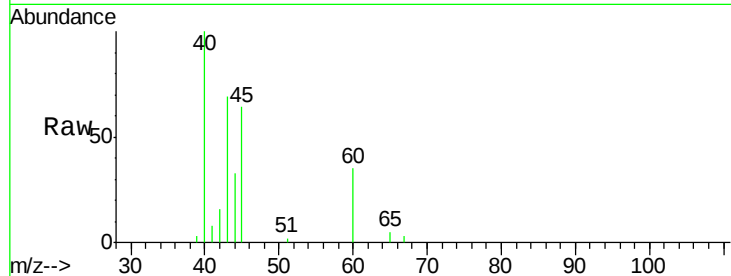
Tot Ion: 43 Resp: 9809

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

87 0.0 12.0 18.0#



#49

1,4-Dioxane

Concen: 0.222 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.01 min

Lab File: VN054254.D

Acq: 14 Mar 2019 11:43

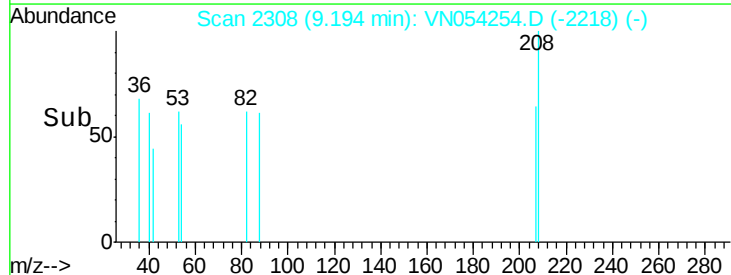
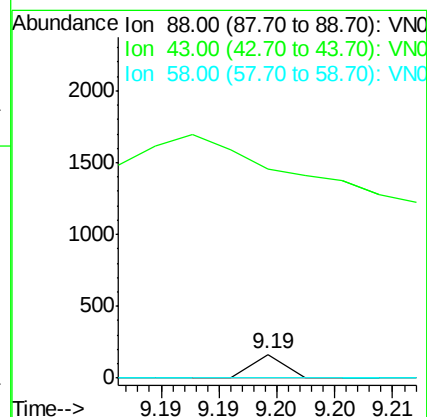
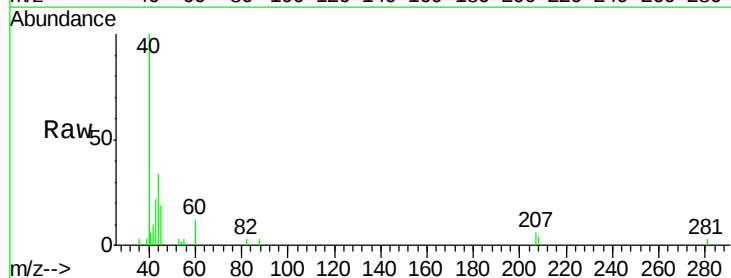
Tgt Ion: 88 Resp: 32

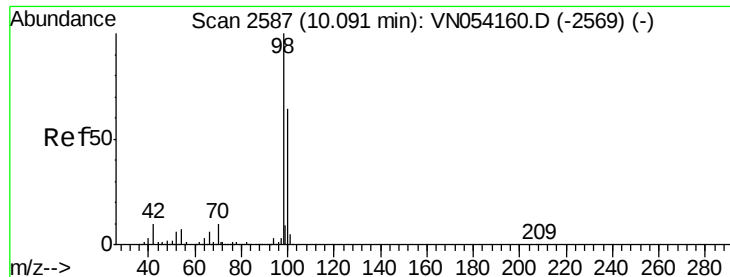
Ion Ratio Lower Upper

88 100

43 1271.9 24.1 36.1#

58 0.0 50.8 76.2#





#50

Toluene-d8

Concen: 53.097 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054254.D

Acq: 14 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

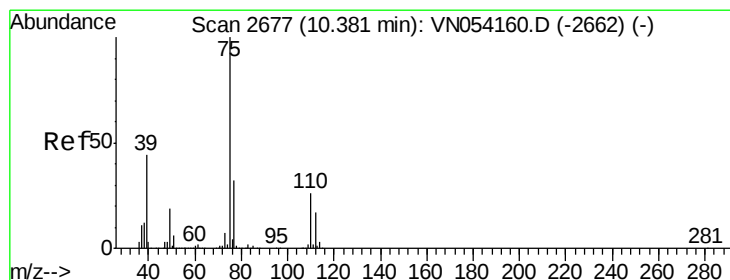
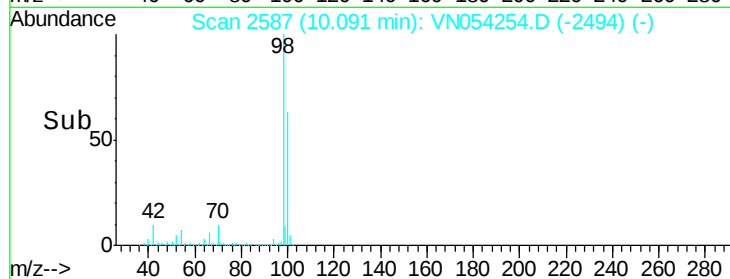
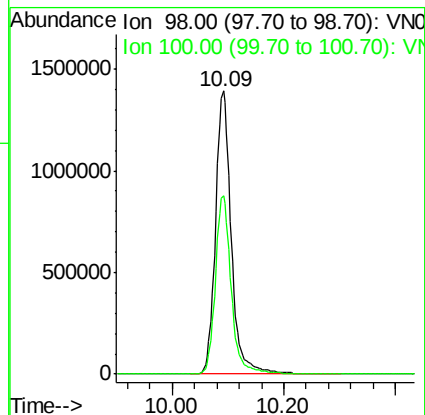
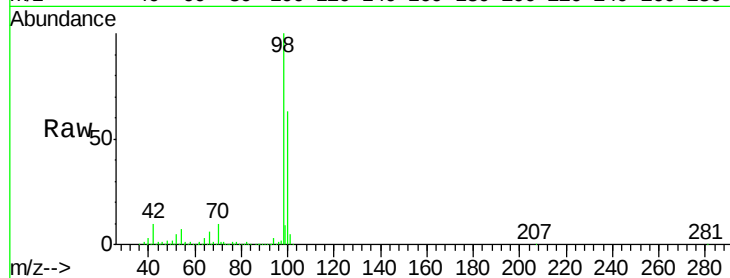
VN0314WBL01

Tot Ion: 98 Resp: 2732217

Ion Ratio Lower Upper

98 100

100 63.6 51.2 76.8



#53

t-1,3-Dichloropropene

Concen: 1.995 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054254.D

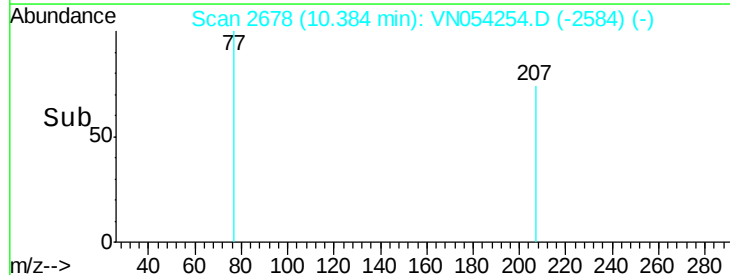
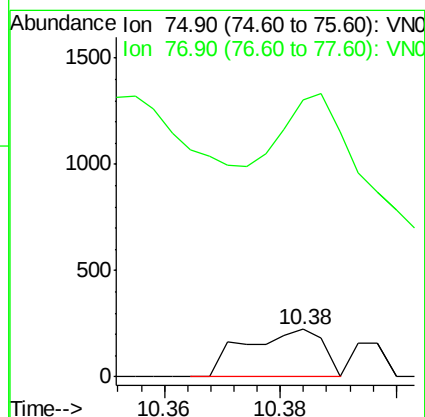
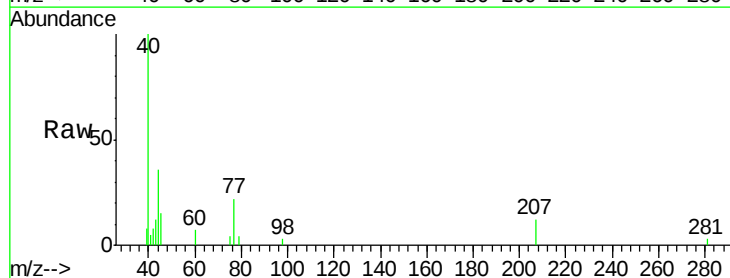
Acq: 14 Mar 2019 11:43

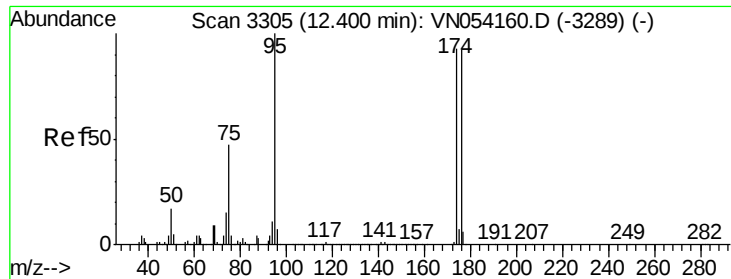
Tgt Ion: 75 Resp: 207

Ion Ratio Lower Upper

75 100

77 103.1 25.8 38.8#





#62

4-Bromofluorobenzene

Concen: 58.934 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054254.D

Acq: 14 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBL01

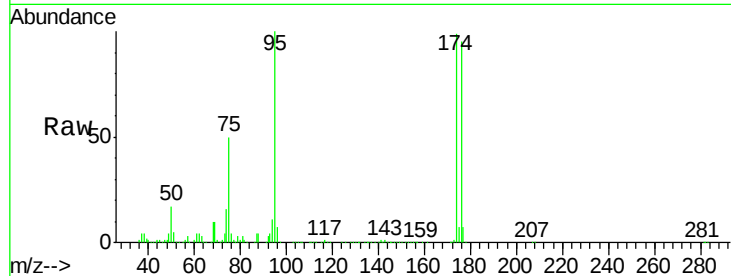
Tot Ion: 95 Resp: 1061118

Ion Ratio Lower Upper

95 100

174 98.3 0.0 191.0

176 95.0 0.0 187.4



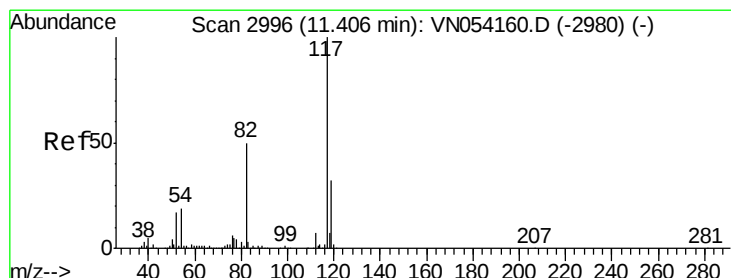
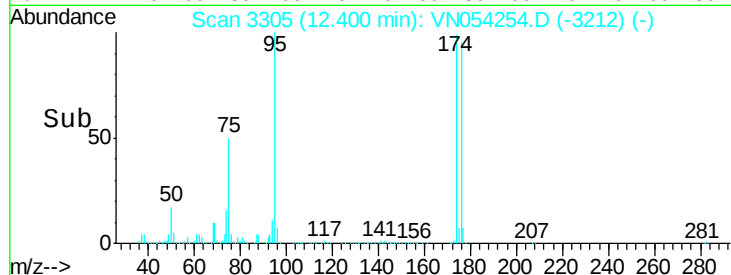
Abundance Ion 94.90 (94.60 to 95.60): VN054254.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN054254.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN054254.D (-2903) (-)

12.40

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054254.D

Acq: 14 Mar 2019 11:43

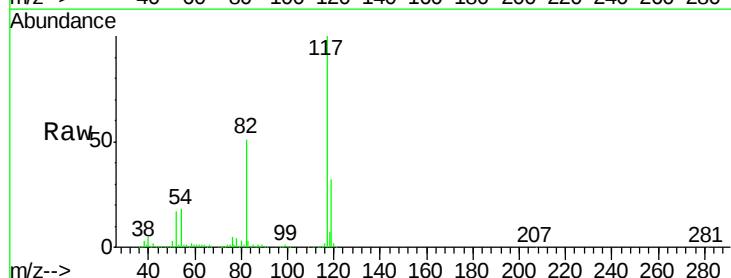
Tgt Ion: 117 Resp: 2334602

Ion Ratio Lower Upper

117 100

82 51.0 40.0 60.0

119 32.1 25.8 38.6



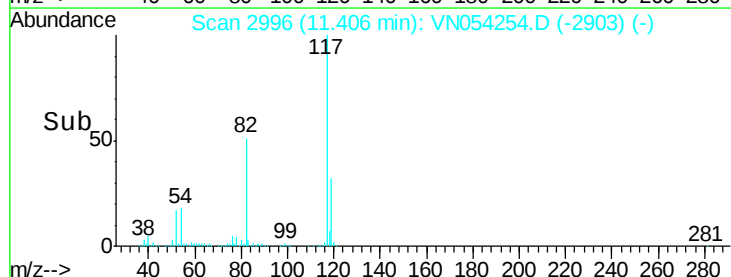
Abundance Ion 116.90 (116.60 to 117.60): VN054254.D (-2903) (-)

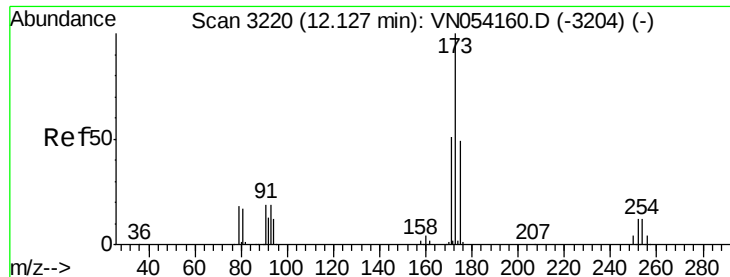
Ion 82.00 (81.70 to 82.70): VN054254.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054254.D (-2903) (-)

11.41

Time-->





#71

Bromoform

Concen: 2.856 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054254.D

Acq: 14 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBL01

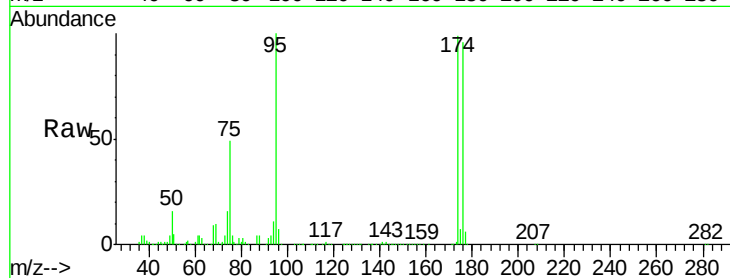
Tot Ion:173 Resp: 7532

Ion Ratio Lower Upper

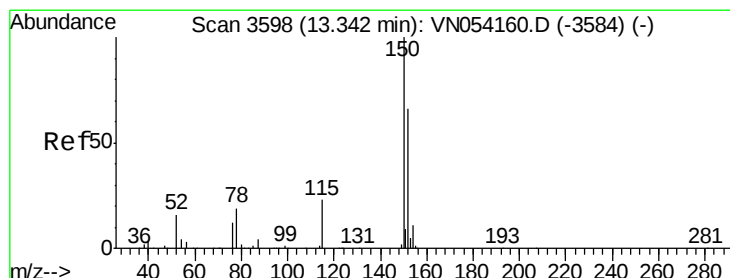
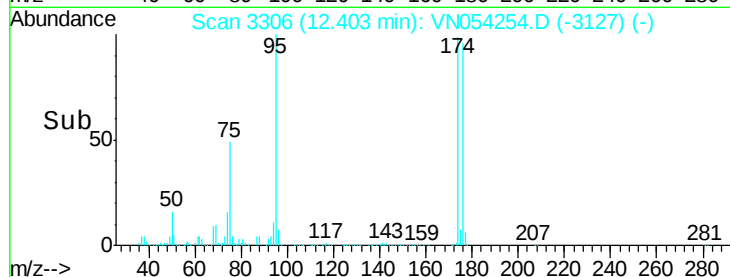
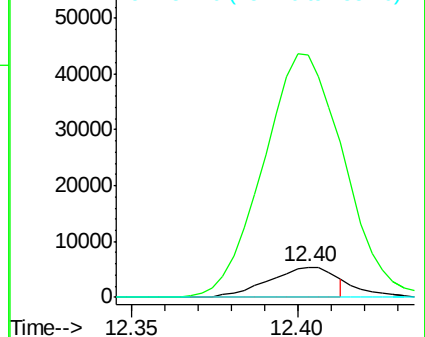
173 100

175 848.2 24.4 73.2#

254 0.0 0.1 0.1#



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054254.D

Acq: 14 Mar 2019 11:43

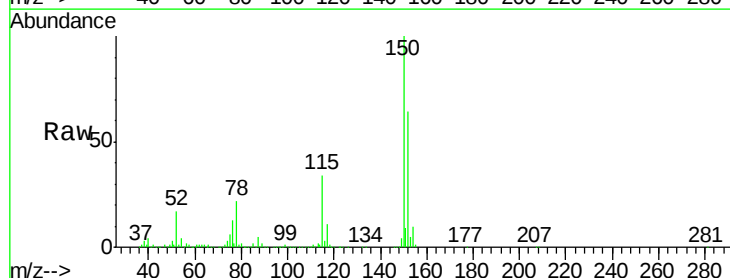
Tgt Ion:152 Resp: 1016149

Ion Ratio Lower Upper

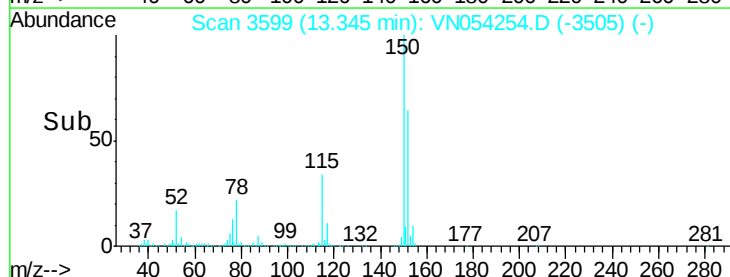
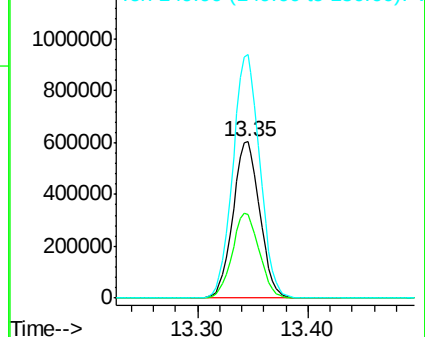
152 100

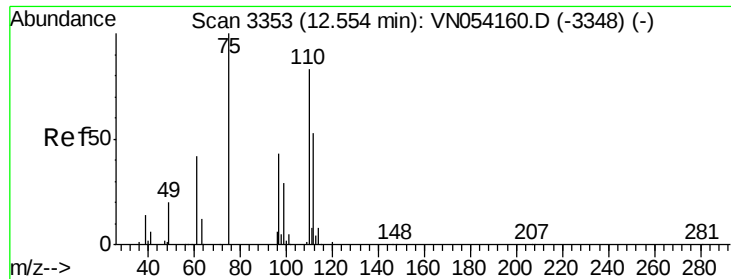
115 54.5 27.2 81.6

150 157.0 0.0 349.2



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: 34.772 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054254.D

Acq: 14 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampled :

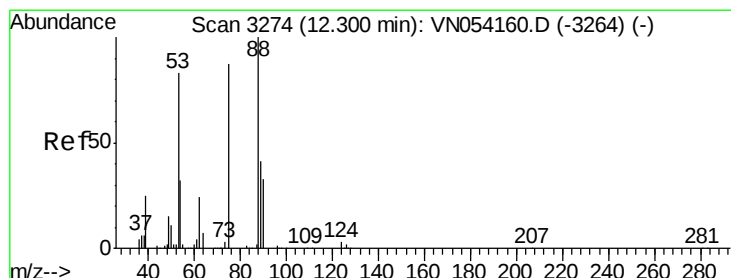
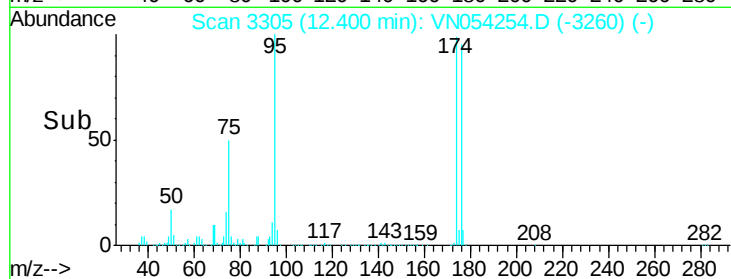
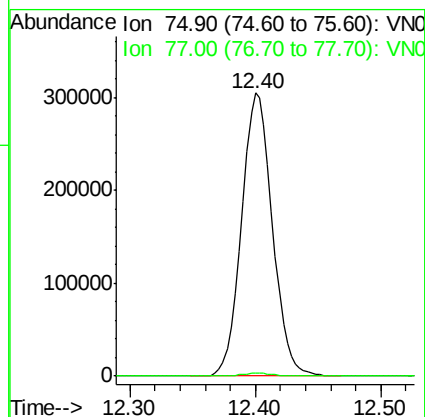
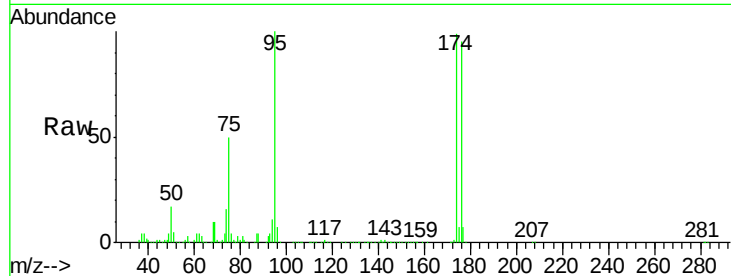
VN0314WBL01

Tot Ion: 75 Resp: 519600

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 118.867 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054254.D

Acq: 14 Mar 2019 11:43

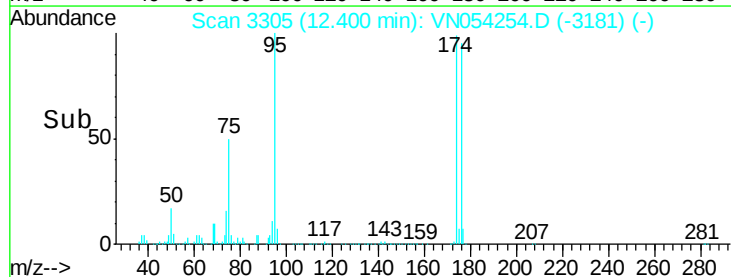
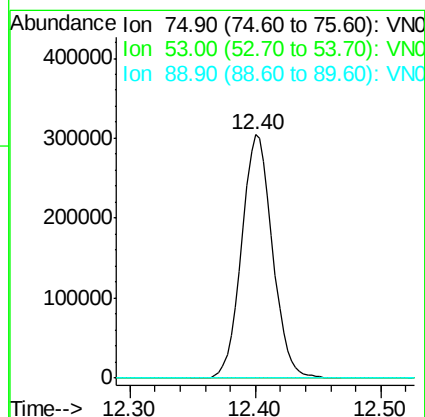
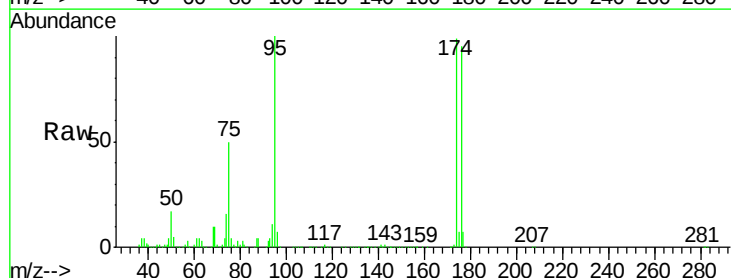
Tgt Ion: 75 Resp: 519600

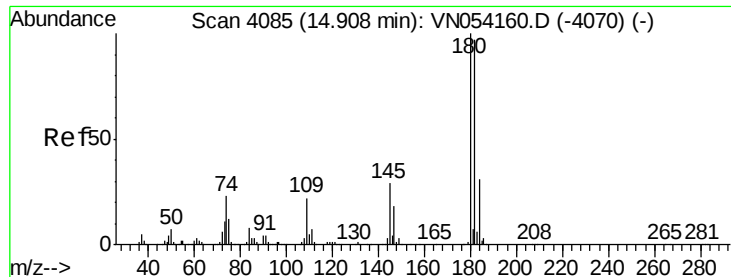
Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#

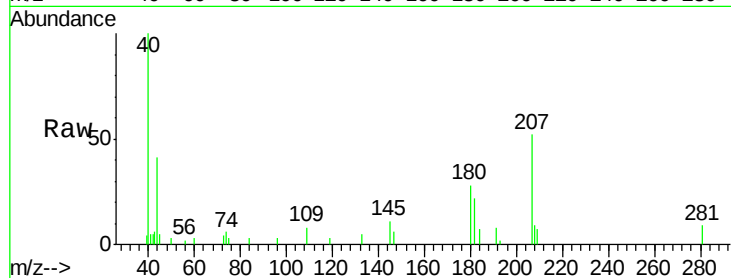




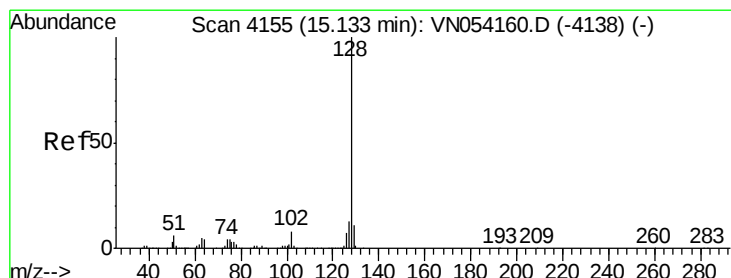
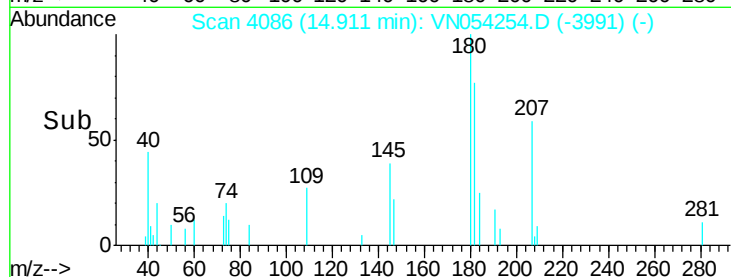
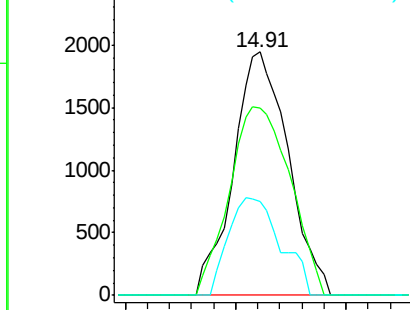
#93
 1,2,4-Trichlorobenzene
 Concen: 2.665 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054254.D
 Acq: 14 Mar 2019 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBL01

Tot Ion:180 Resp: 3346
 Ion Ratio Lower Upper
 180 100
 182 86.2 48.0 144.2
 145 38.3 14.2 42.8

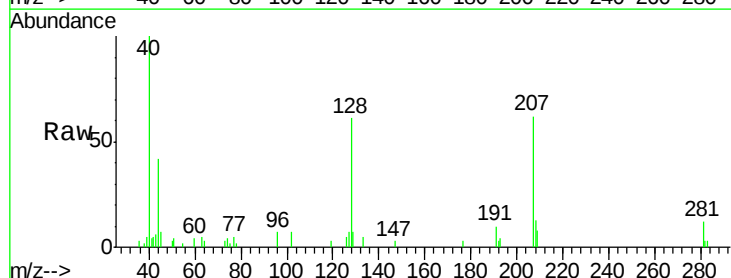


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 3.637 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN054254.D
 Acq: 14 Mar 2019 11:43

Tgt Ion:128 Resp: 7993
 Ion Ratio Lower Upper
 128 100
 127 11.9 10.1 15.1
 129 6.9 8.7 13.1#



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

