

Data Path : W:\HPCHEM1\MSVOA T\DATA\VT051018\
 Data File : VT019081.D
 Acq On : 10 May 2018 17:51
 Operator : SY/MD
 Sample : J2705-03RE
 Misc : 4.97µ/5mL/MSVOA T/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :

Quant Time: May 11 02:27:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_T\METHODS\2015\82T050818S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 10 07:01:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.45	168	547452	50.00	ug/l	0.01
33) 1,4-Difluorobenzene	8.38	114	1116924	50.00	ug/l	0.00
62) Chlorobenzene-d5	11.22	117	779163	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.16	152	208305	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) 1,2-Dichloroethane-d4	7.80	65	303811	58.46	ug/l	0.00
Spiked Amount			Recovery	=	116.92%	
34) Dibromofluoromethane	7.35	113	48060	7.68	ug/l	0.00
Spiked Amount			Recovery	=	15.36%	
49) Toluene-d8	9.91	98	986210	36.76	ug/l	0.01
Spiked Amount			Recovery	=	73.52%	
61) 4-Bromofluorobenzene	12.23	95	280828	27.80	ug/l	0.01
Spiked Amount			Recovery	=	55.60%	

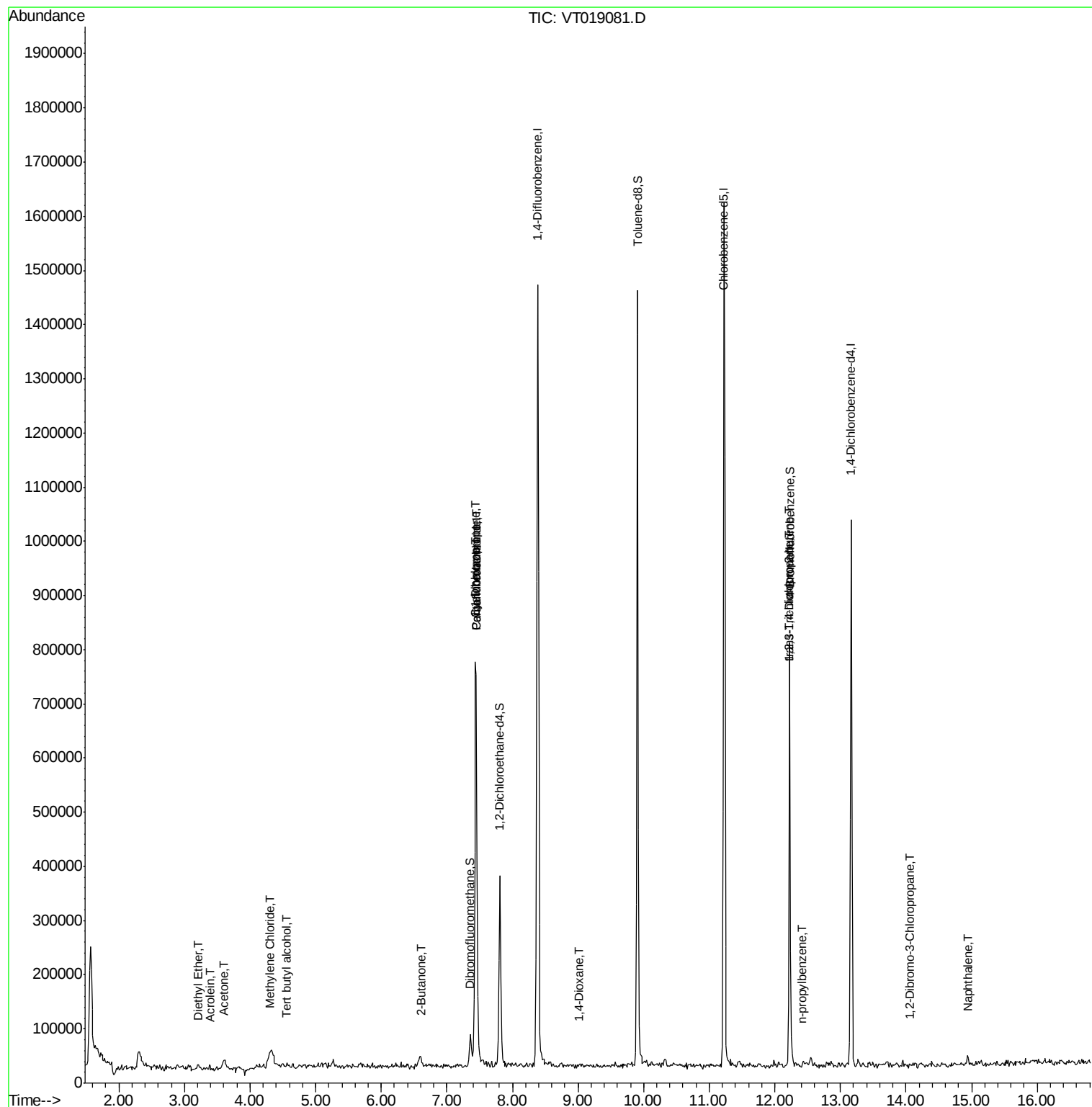
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.21	74	2418	1.54	ug/l	63
11) Tert butyl alcohol	4.56	59	861	3.28	ug/l #	1
13) Acrolein	3.39	56	224	1.75	ug/l #	1
16) Acetone	3.60	43	36412	66.01	ug/l	100
20) Methylene Chloride	4.30	84	22155	3.73	ug/l #	83
25) 2-Butanone	6.61	43	5149	4.14	ug/l #	75
30) Cyclohexane	7.44	56	14533	1.07	ug/l #	1
35) 1,1-Dichloropropene	7.44	75	57411	4.46	ug/l #	49
37) Carbon Tetrachloride	7.45	117	63987	6.08	ug/l #	16
48) 1,4-Dioxane	9.01	88	448	1.35	ug/l #	58
75) 1,2,3-Trichloropropane	12.22	75	145784	82.28	ug/l #	36
77) n-propylbenzene	12.41	91	1720	1.30	ug/l	97
80) trans-1,4-Dichloro-2-buten	12.22	75	146309	219.57	ug/l #	15
91) 1,2-Dibromo-3-Chloropropan	14.05	75	765	2.14	ug/l	88
94) Naphthalene	14.94	128	7516	1.19	ug/l	94

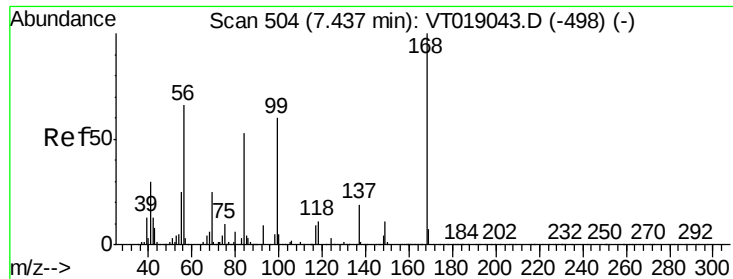
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 10 07:01:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.45 min Scan# 505

Delta R.T. 0.01 min

Lab File: VT019081.D

Acq: 10 May 2018 17:51

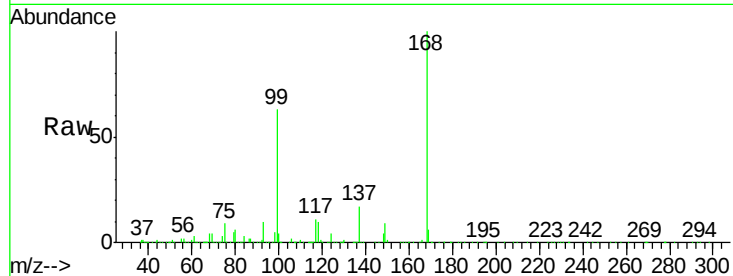
Instrument :
MSVOA_T
ClientSampled :

Tot Ion:168 Resp: 547452

Ion Ratio Lower Upper

168 100

99 63.0 59.0 88.4



Abundance Ion 168.00 (167.70 to 168.70): VT0

Ion 99.00 (98.70 to 99.70): VT0

7.45

250000

200000

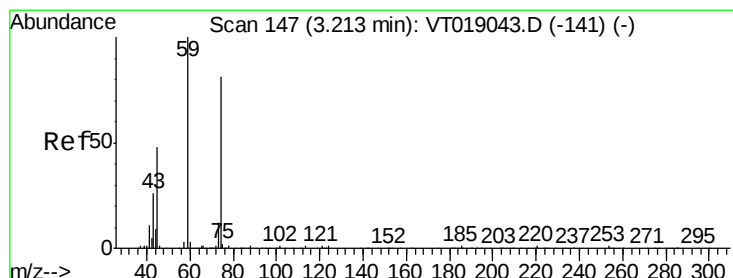
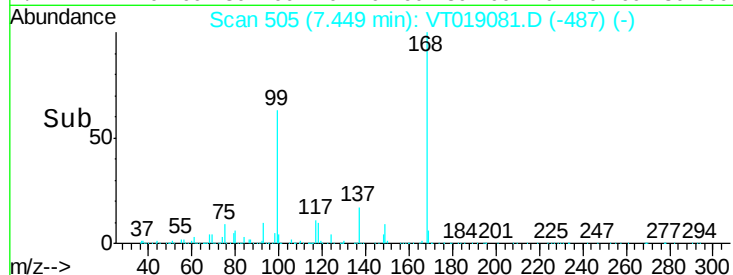
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.54 ug/l

RT: 3.21 min Scan# 147

Delta R.T. -0.00 min

Lab File: VT019081.D

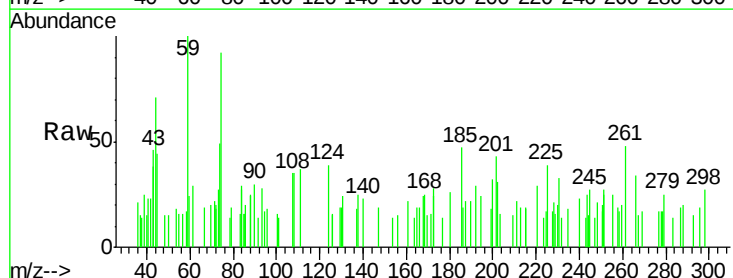
Acq: 10 May 2018 17:51

Tgt Ion: 74 Resp: 2418

Ion Ratio Lower Upper

74 100

45 31.5 29.8 89.4



Abundance Ion 74.10 (73.80 to 74.80): VT0

Ion 45.10 (44.80 to 45.80): VT0

3.21

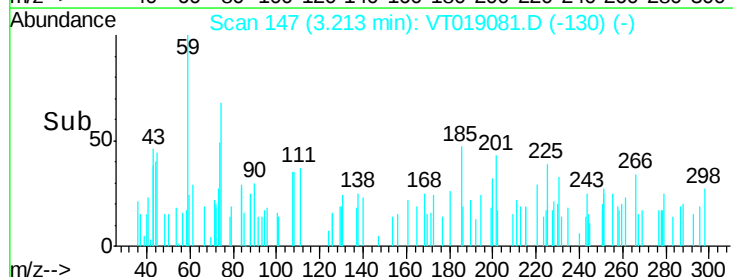
1500

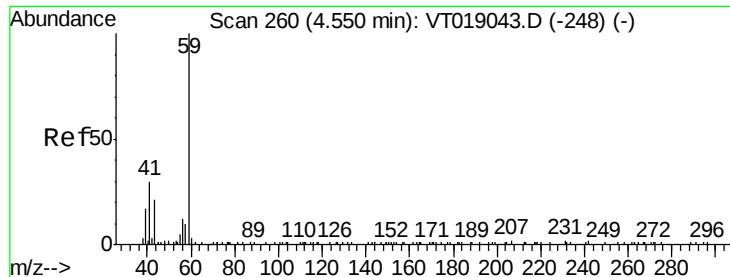
1000

500

0

Time-->



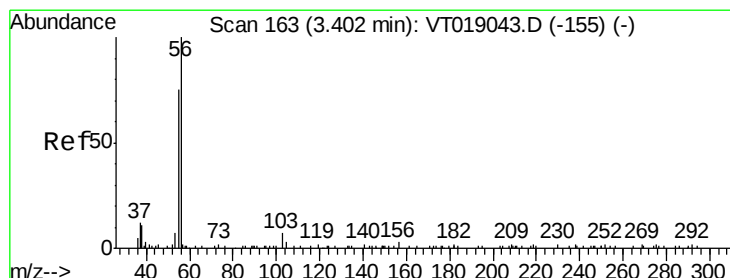
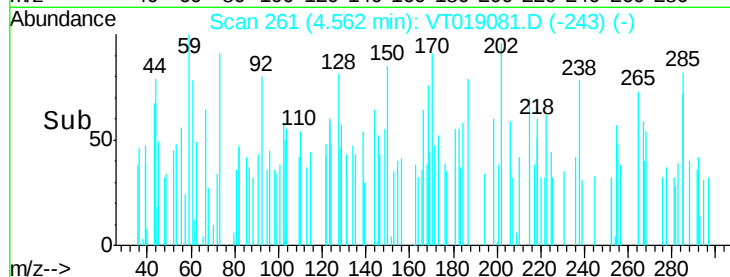
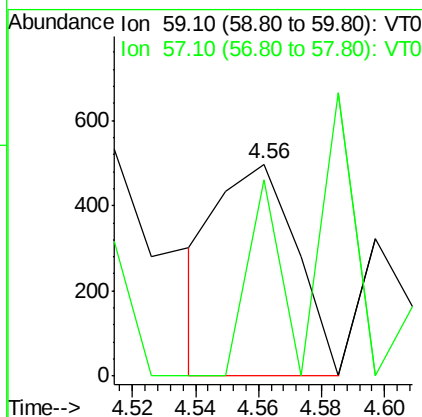
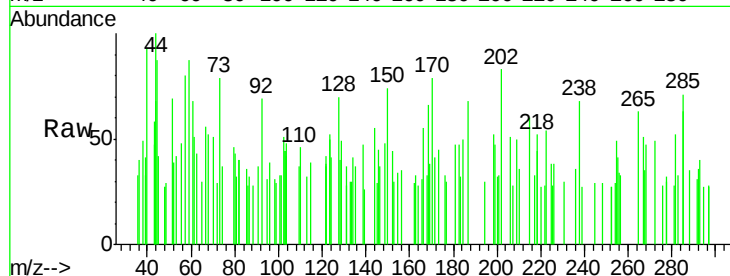


#11

Tert butyl alcohol
Concen: 3.28 ug/l
RT: 4.56 min Scan# 261
Delta R.T. 0.01 min
Lab File: VT019081.D
Acq: 10 May 2018 17:51

Instrument :
MSVOA_T
ClientSampled :

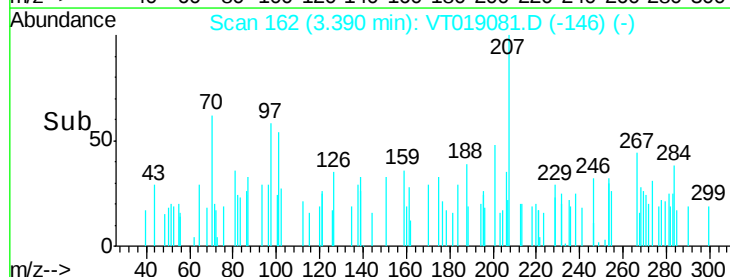
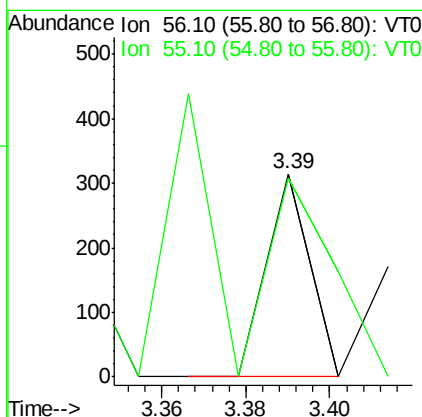
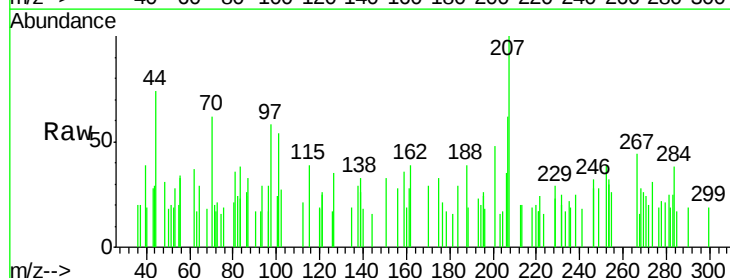
Tot Ion: 59 Resp: 861
Ion Ratio Lower Upper
59 100
57 92.8 7.7 11.5#

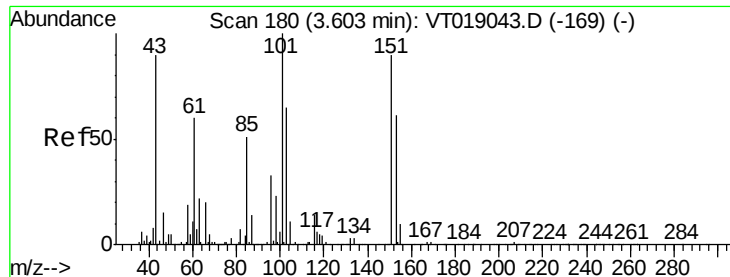


#13

Acrolein
Concen: 1.75 ug/l
RT: 3.39 min Scan# 162
Delta R.T. -0.01 min
Lab File: VT019081.D
Acq: 10 May 2018 17:51

Tgt Ion: 56 Resp: 224
Ion Ratio Lower Upper
56 100
55 198.1 60.8 91.2#





#16

Acetone

Concen: 66.01 ug/l

RT: 3.60 min Scan# 180

Delta R.T. -0.00 min

Lab File: VT019081.D

Acq: 10 May 2018 17:51

Instrument :

MSVOA_T

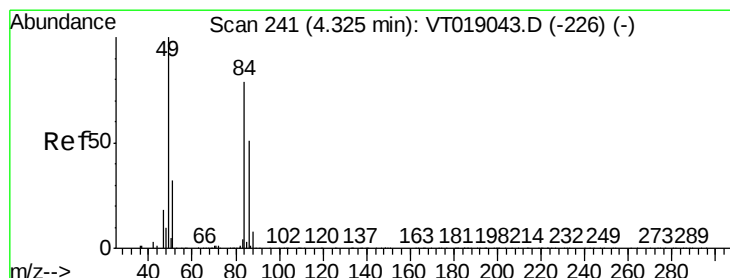
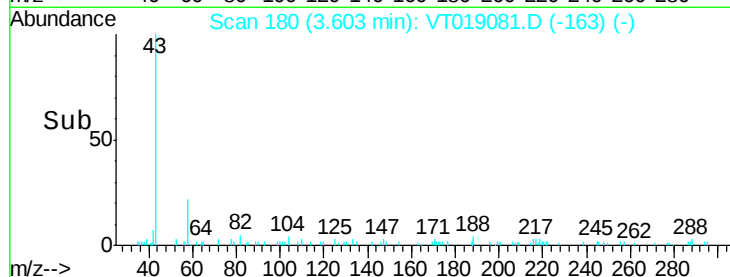
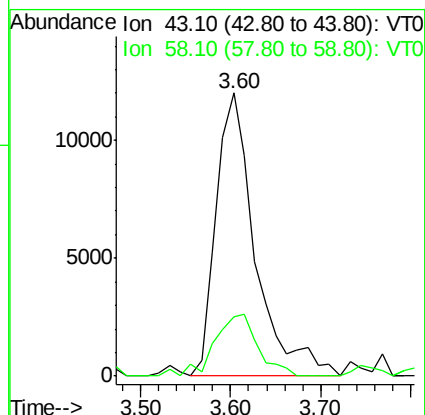
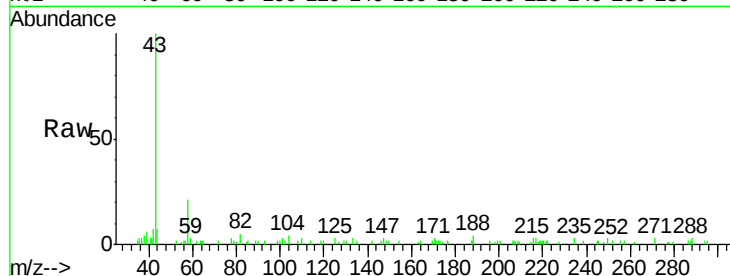
ClientSampled :

Tot Ion: 43 Resp: 36412

Ion Ratio Lower Upper

43 100

58 21.0 16.7 25.1



#20

Methylene Chloride

Concen: 3.73 ug/l

RT: 4.30 min Scan# 239

Delta R.T. -0.02 min

Lab File: VT019081.D

Acq: 10 May 2018 17:51

Tgt Ion: 84 Resp: 22155

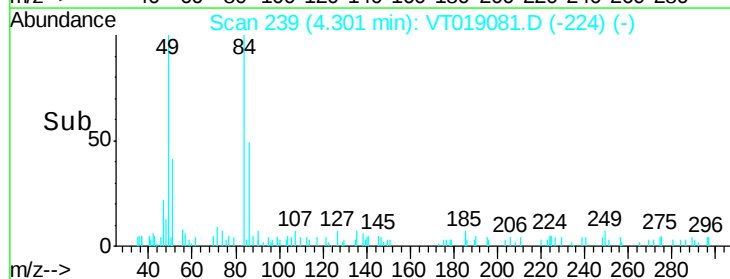
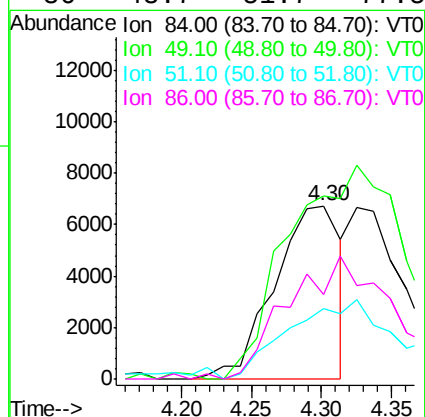
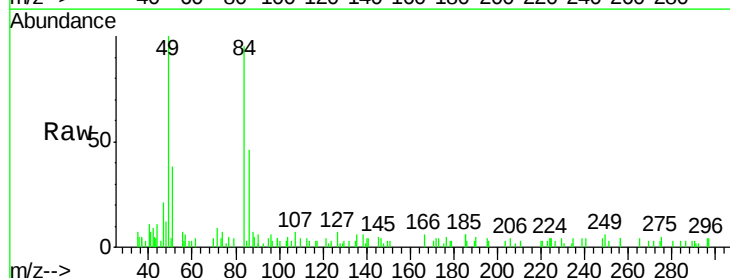
Ion Ratio Lower Upper

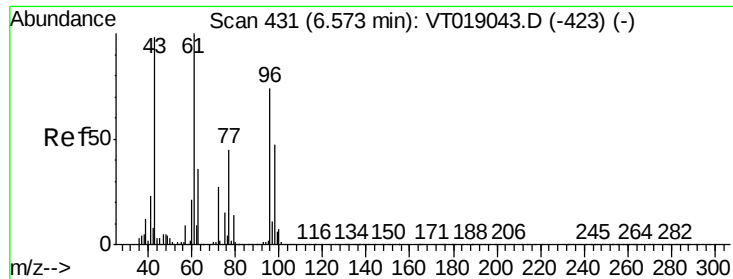
84 100

49 105.5 103.0 154.4

51 40.6 33.3 49.9

86 48.7 51.7 77.5#

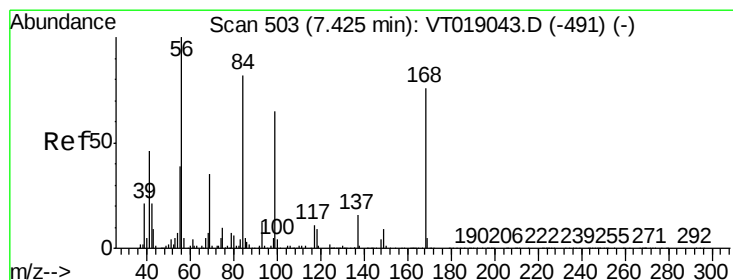
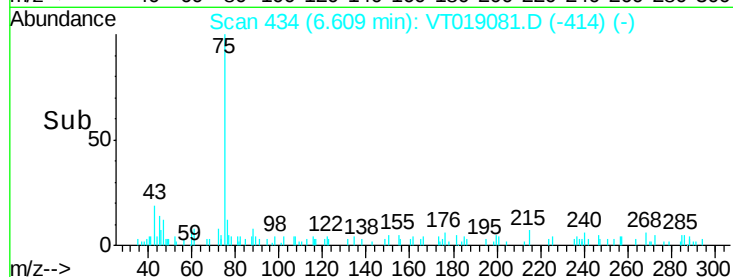
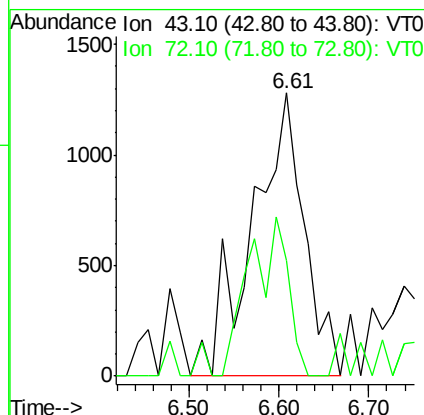
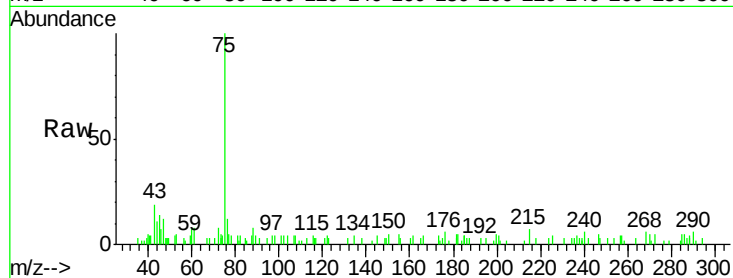




#25
2-Butanone
Concen: 4.14 ug/l
RT: 6.61 min Scan# 434
Delta R.T. 0.04 min
Lab File: VT019081.D
Acq: 10 May 2018 17:51

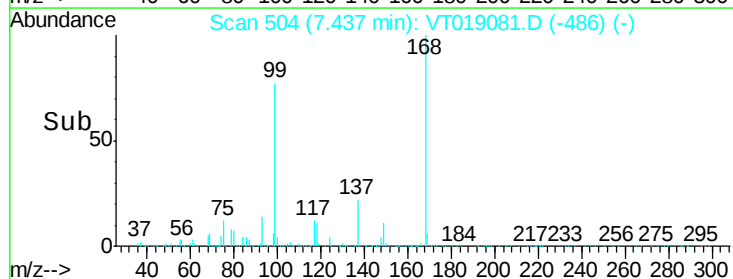
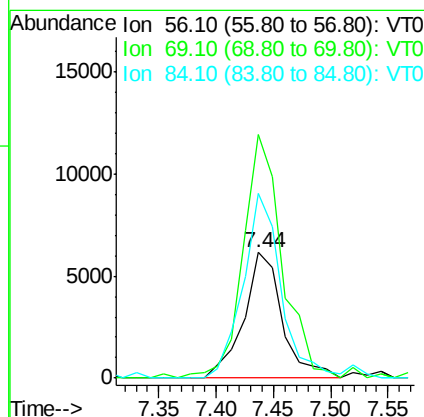
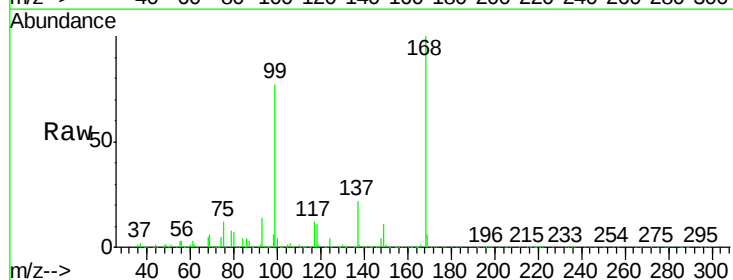
Instrument :
MSVOA_T
ClientSampled :

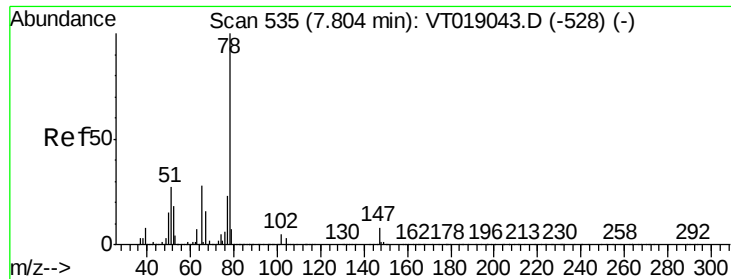
Tot Ion: 43 Resp: 5149
Ion Ratio Lower Upper
43 100
72 40.9 22.1 33.1#



#30
Cyclohexane
Concen: 1.07 ug/l
RT: 7.44 min Scan# 504
Delta R.T. 0.01 min
Lab File: VT019081.D
Acq: 10 May 2018 17:51

Tgt Ion: 56 Resp: 14533
Ion Ratio Lower Upper
56 100
69 194.3 28.2 42.2#
84 147.9 65.6 98.4#





#32

1,2-Dichloroethane-d4

Concen: 58.46 ug/l

RT: 7.80 min Scan# 535

Delta R.T. -0.00 min

Lab File: VT019081.D

Acq: 10 May 2018 17:51

Instrument :

MSVOA_T

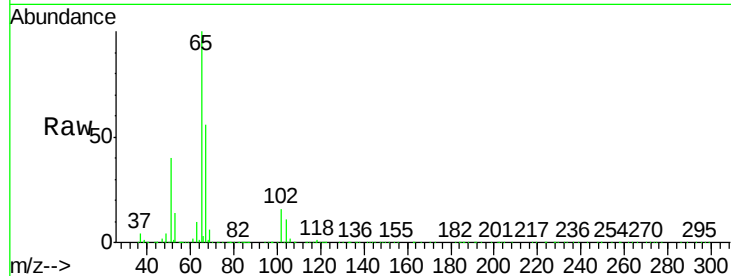
ClientSampled :

Tot Ion: 65 Resp: 303811

Ion Ratio Lower Upper

65 100

67 56.1 0.0 114.2



Abundance Ion 65.10 (64.80 to 65.80): VT0

Ion 67.10 (66.80 to 67.80): VT0

150000

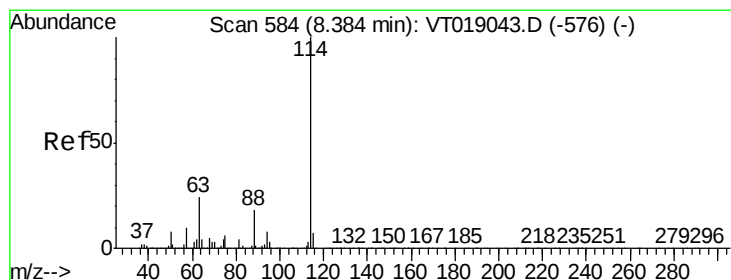
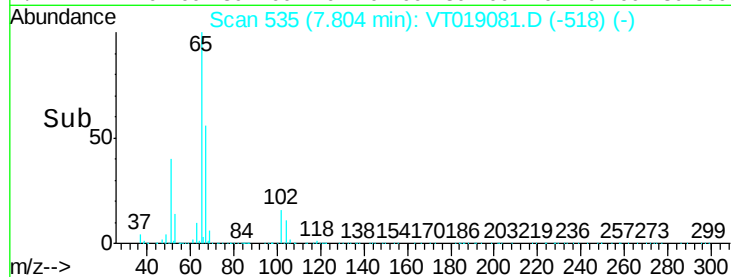
100000

50000

0

7.70 7.80 7.90 8.00

Time-->



#33

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.38 min Scan# 584

Delta R.T. -0.00 min

Lab File: VT019081.D

Acq: 10 May 2018 17:51

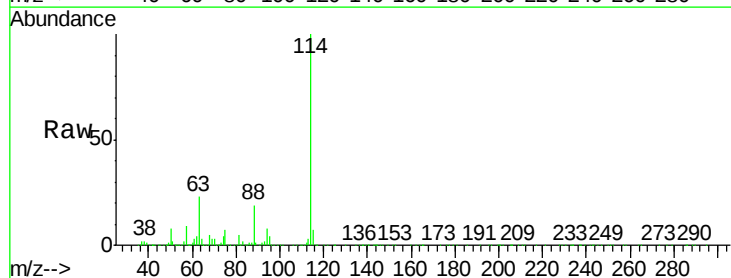
Tgt Ion: 114 Resp: 1116924

Ion Ratio Lower Upper

114 100

63 23.2 0.0 48.8

88 18.6 0.0 37.0



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VT0

Ion 88.10 (87.80 to 88.80): VT0

800000

600000

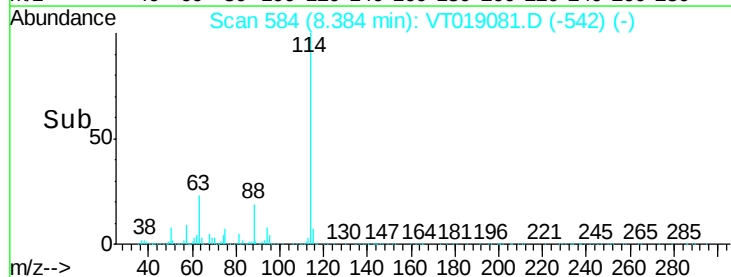
400000

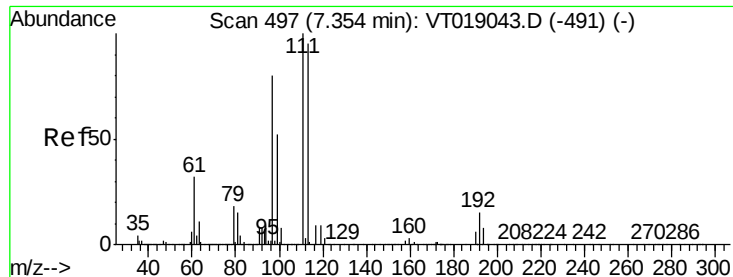
200000

0

8.30 8.40 8.50 8.60

Time-->

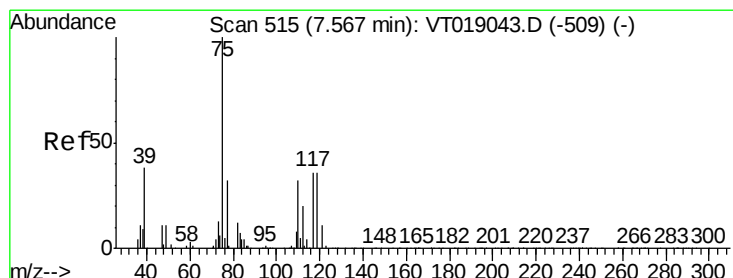
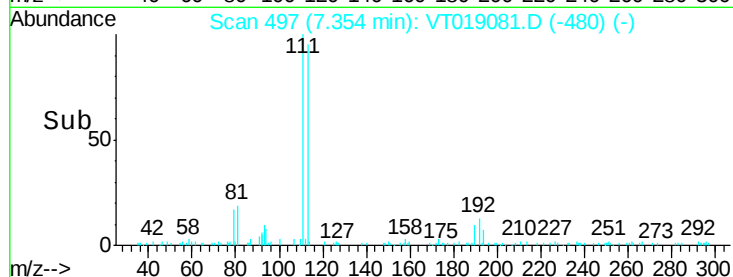
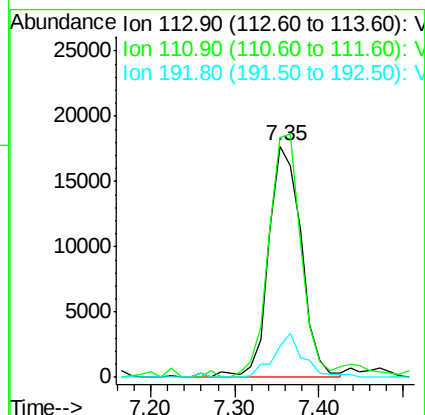
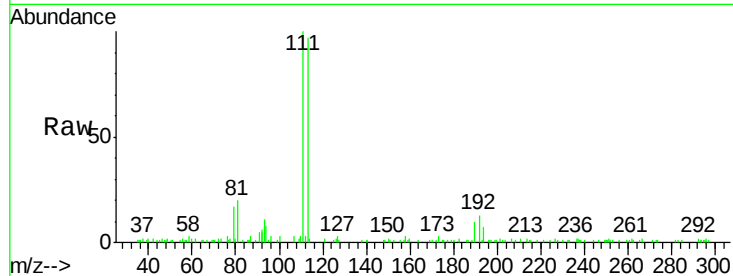




#34
 Dibromofluoromethane
 Concen: 7.68 ug/l
 RT: 7.35 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VT019081.D
 Acq: 10 May 2018 17:51

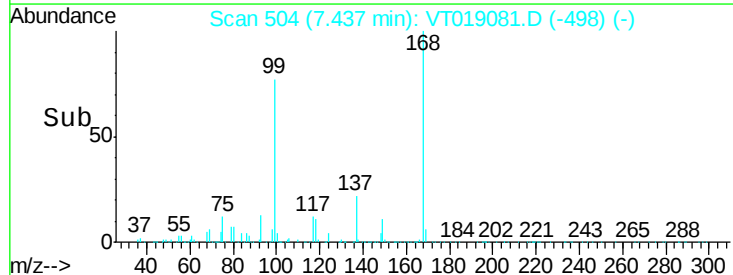
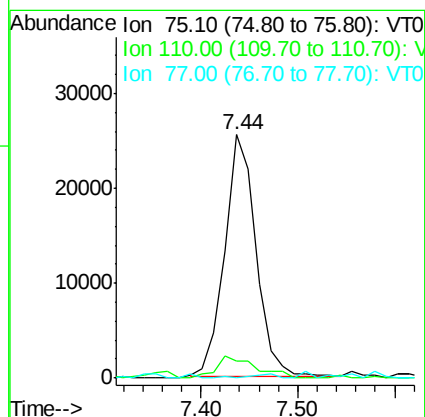
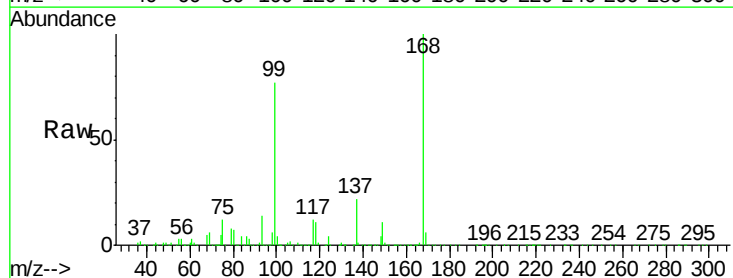
Instrument :
 MSVOA_T
 ClientSampleId :

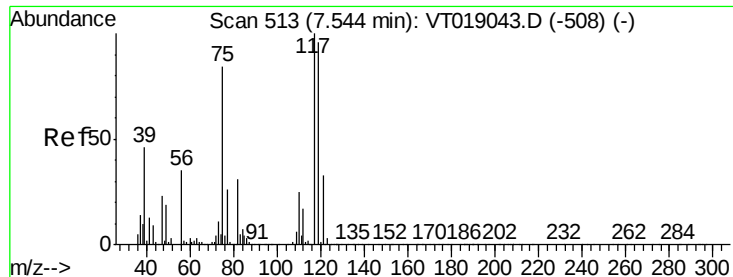
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	84.0	126.0
192	13.7	12.9	19.3



#35
 1,1-Dichloropropene
 Concen: 4.46 ug/l
 RT: 7.44 min Scan# 504
 Delta R.T. -0.13 min
 Lab File: VT019081.D
 Acq: 10 May 2018 17:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.1	15.9	47.6#
77	0.0	25.9	38.9#

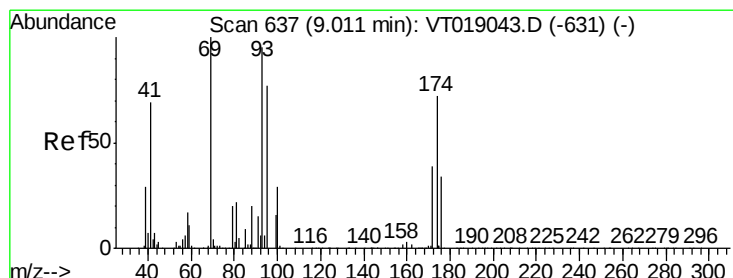
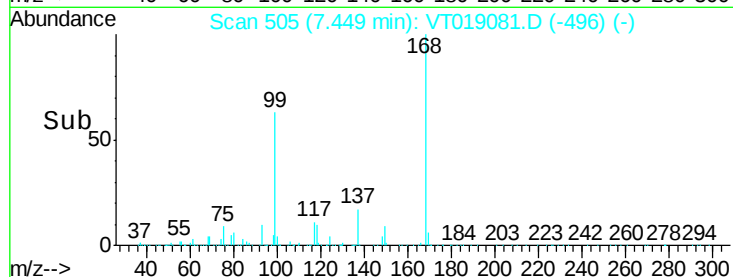
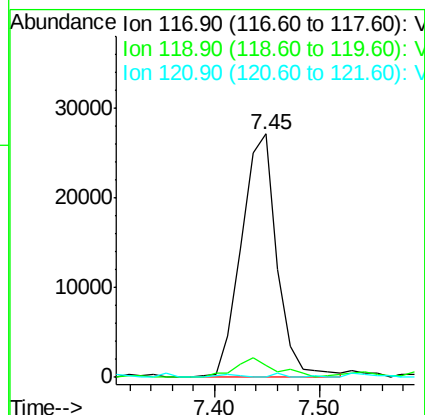
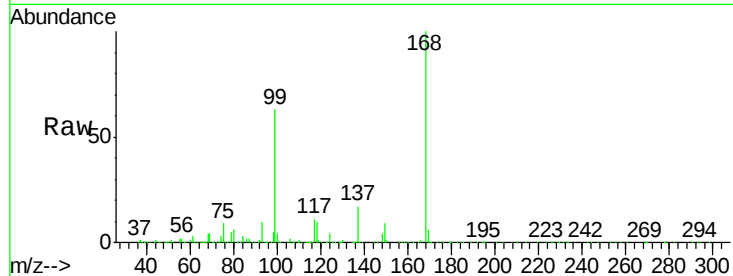




#37
Carbon Tetrachloride
Concen: 6.08 ug/l
RT: 7.45 min Scan# 505
Delta R.T. -0.09 min
Lab File: VT019081.D
Acq: 10 May 2018 17:51

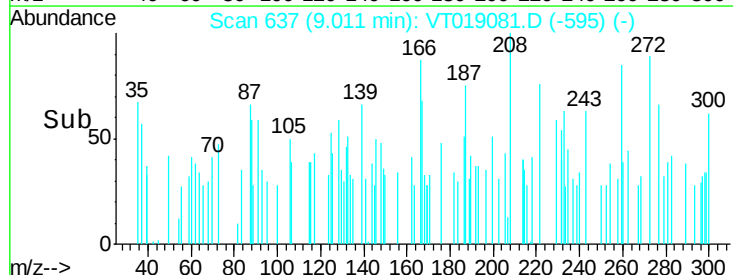
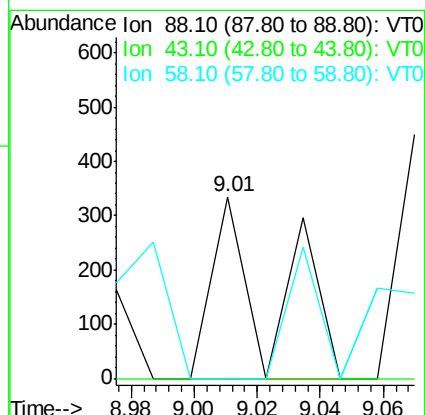
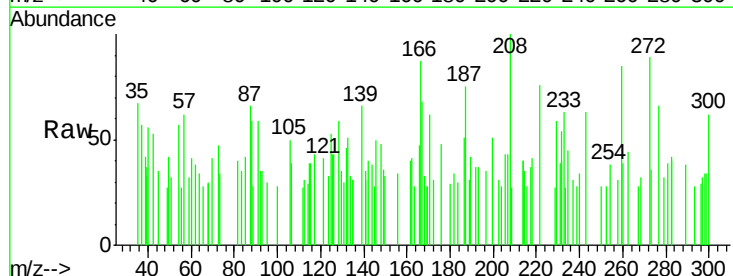
Instrument :
MSVOA_T
ClientSampled :

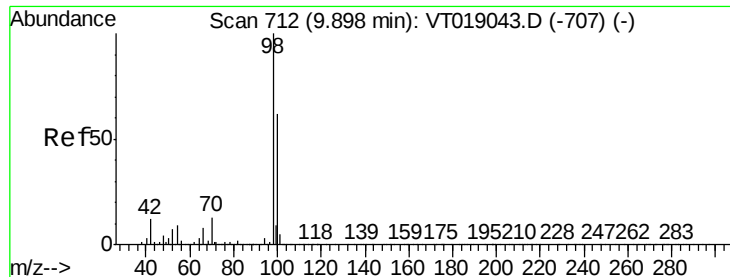
Tot Ion:117 Resp: 63987
Ion Ratio Lower Upper
117 100
119 5.0 76.5 114.7#
121 0.0 26.0 39.0#



#48
1,4-Dioxane
Concen: 1.35 ug/l
RT: 9.01 min Scan# 637
Delta R.T. 0.00 min
Lab File: VT019081.D
Acq: 10 May 2018 17:51

Tgt Ion: 88 Resp: 448
Ion Ratio Lower Upper
88 100
43 0.0 30.5 45.7#
58 54.9 67.5 101.3#





#49

Toluene-d8

Concen: 36.76 ug/l

RT: 9.91 min Scan# 713

Delta R.T. 0.01 min

Lab File: VT019081.D

Acq: 10 May 2018 17:51

Instrument :

MSVOA_T

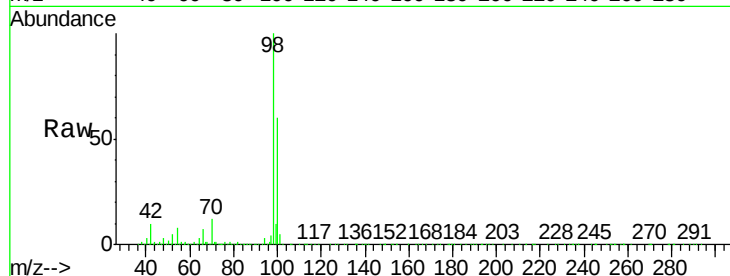
ClientSampleId :

Tot Ion: 98 Resp: 986210

Ion Ratio Lower Upper

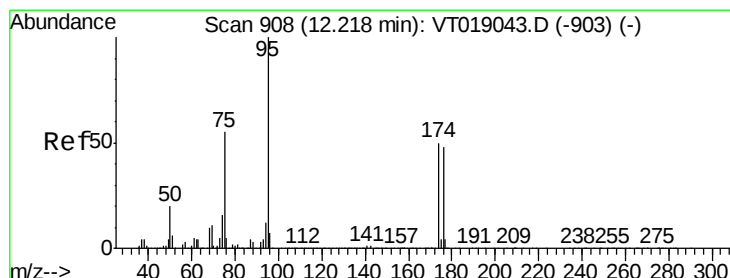
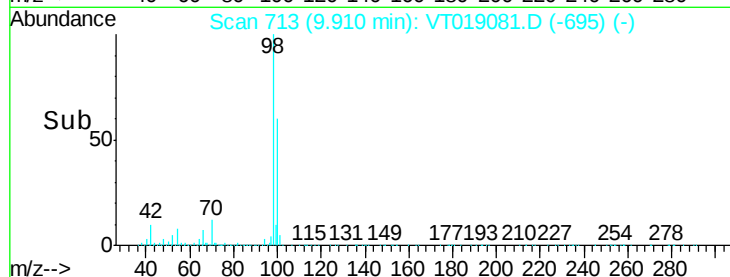
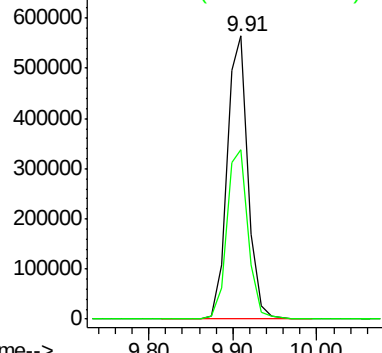
98 100

100 59.9 50.0 75.0



Abundance Ion 98.10 (97.80 to 98.80): VT0

Ion 100.10 (99.80 to 100.80): VT0



#61

4-Bromofluorobenzene

Concen: 27.80 ug/l

RT: 12.23 min Scan# 909

Delta R.T. 0.01 min

Lab File: VT019081.D

Acq: 10 May 2018 17:51

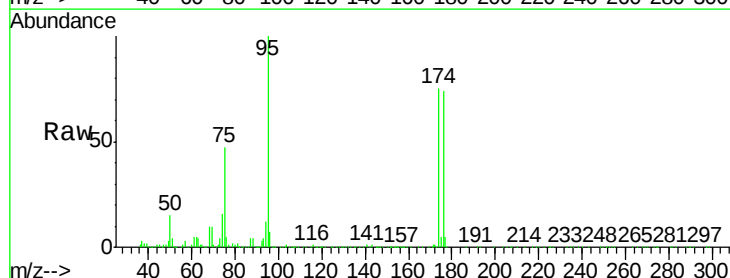
Tgt Ion: 95 Resp: 280828

Ion Ratio Lower Upper

95 100

174 75.4 0.0 100.0

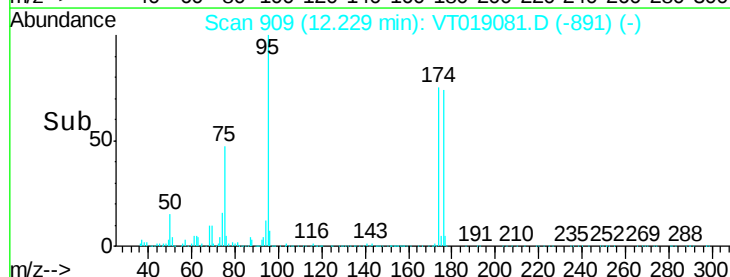
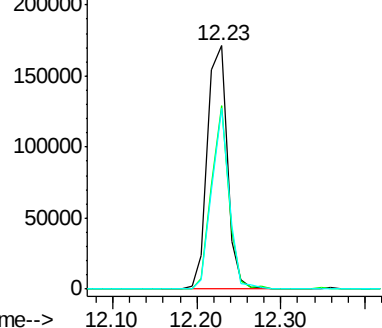
176 74.3 0.0 96.6

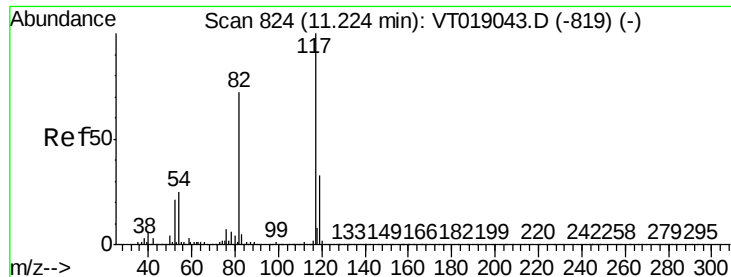


Abundance Ion 95.10 (94.80 to 95.80): VT0

Ion 174.00 (173.70 to 174.70): VT0

Ion 176.00 (175.70 to 176.70): VT0





#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.22 min Scan# 824

Delta R.T. -0.00 min

Lab File: VT019081.D

Acq: 10 May 2018 17:51

Instrument :
MSVOA_T
ClientSampled :

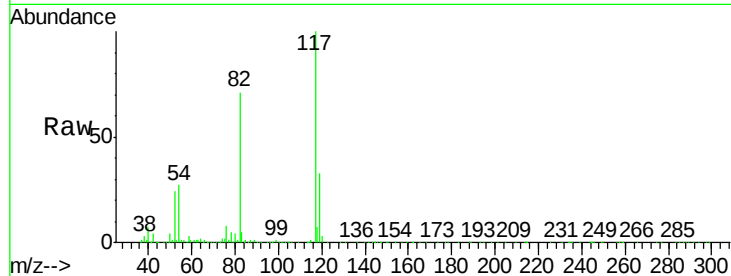
Tot Ion:117 Resp: 779163

Ion Ratio Lower Upper

117 100

82 71.0 57.6 86.4

119 33.3 26.6 40.0

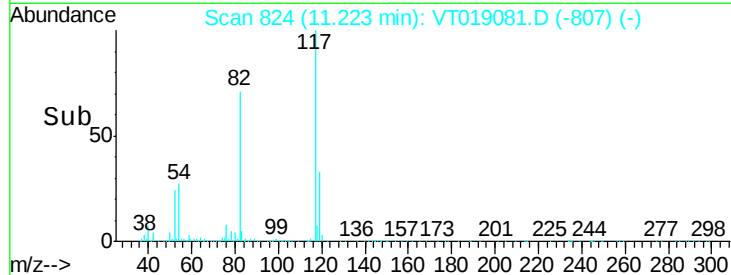


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V

Time-->



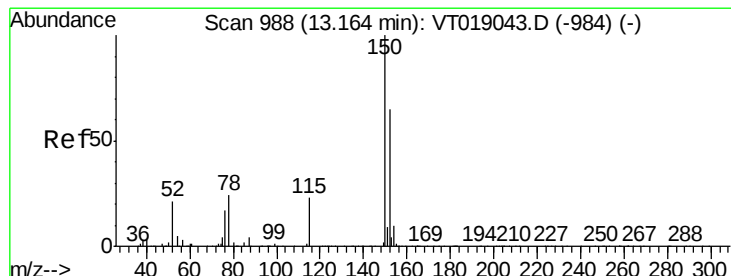
Abundance

Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V

Time-->



#71

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.16 min Scan# 988

Delta R.T. -0.00 min

Lab File: VT019081.D

Acq: 10 May 2018 17:51

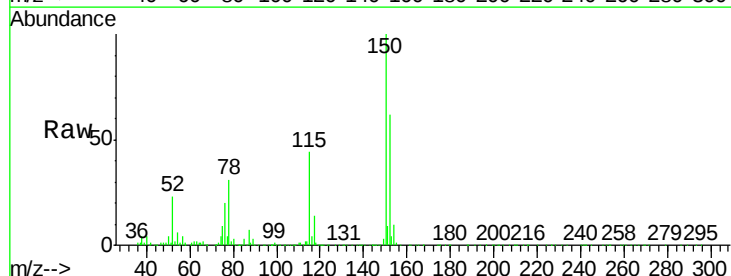
Tgt Ion:152 Resp: 208305

Ion Ratio Lower Upper

152 100

115 70.1 34.2 102.6

150 160.8 0.0 321.2

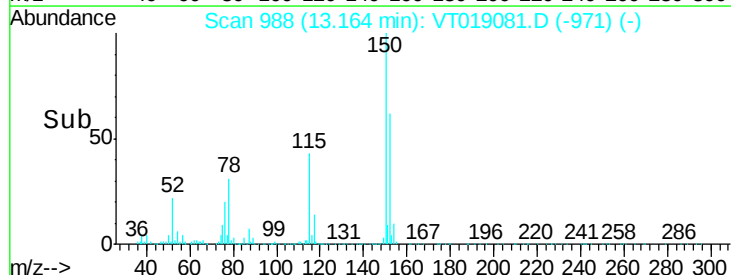


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

Time-->



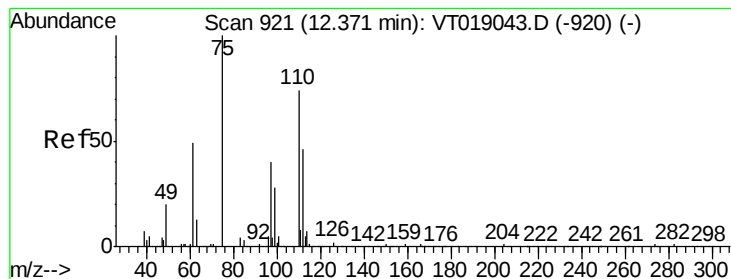
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

Time-->



#75

1,2,3-Trichloropropane

Concen: 82.28 ug/l

RT: 12.22 min Scan# 908

Delta R.T. -0.15 min

Lab File: VT019081.D

Acq: 10 May 2018 17:51

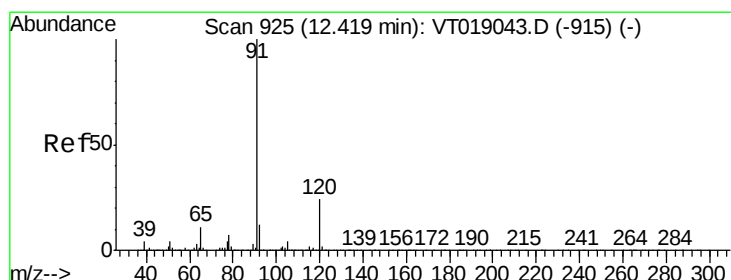
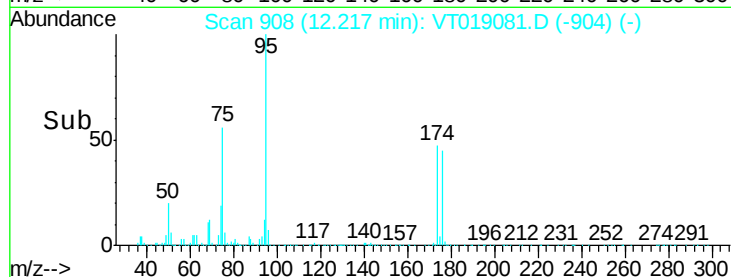
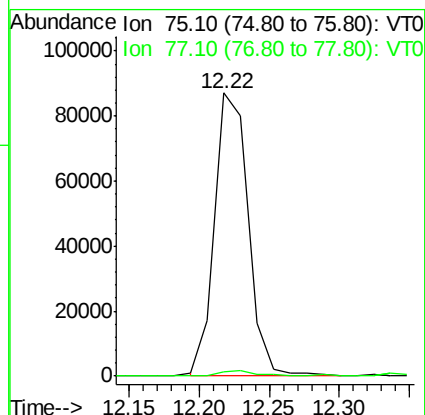
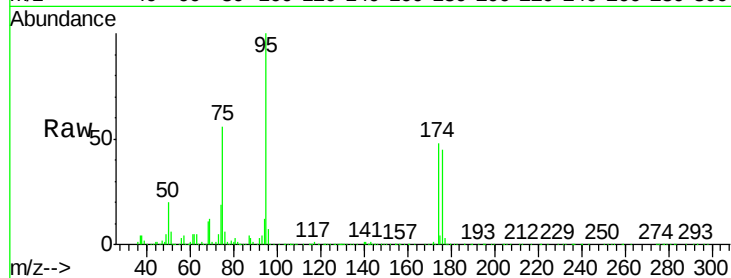
Instrument :
MSVOA_T
ClientSampled :

Tot Ion: 75 Resp: 145784

Ion Ratio Lower Upper

75 100

77 1.7 21.1 63.1#



#77

n-propylbenzene

Concen: 1.30 ug/l

RT: 12.41 min Scan# 924

Delta R.T. -0.01 min

Lab File: VT019081.D

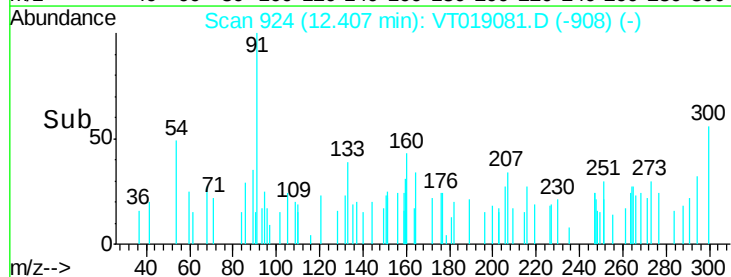
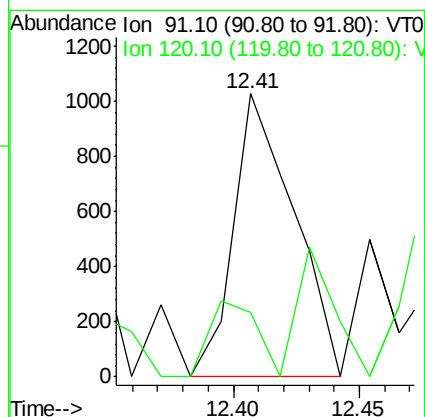
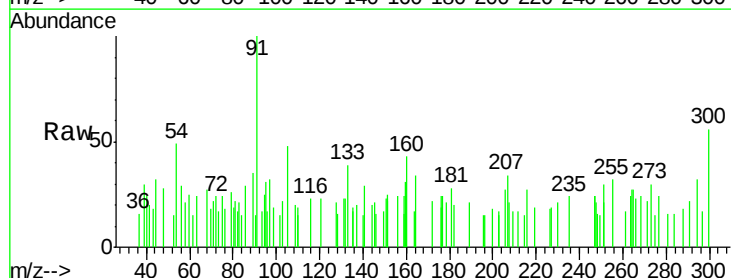
Acq: 10 May 2018 17:51

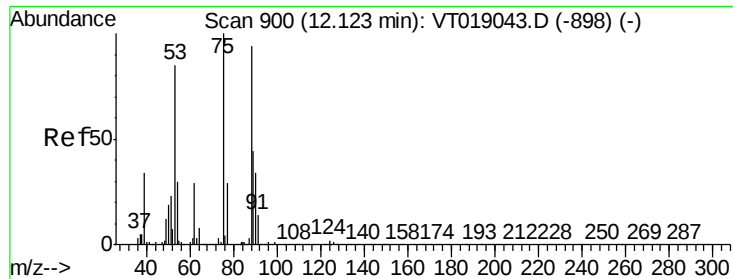
Tgt Ion: 91 Resp: 1720

Ion Ratio Lower Upper

91 100

120 22.8 12.0 36.1





#80

trans-1,4-Dichloro-2-butene

Concen: 219.57 ug/l

RT: 12.22 min Scan# 908

Delta R.T. 0.09 min

Lab File: VT019081.D

Acq: 10 May 2018 17:51

Instrument :
MSVOA_T
ClientSampleId :

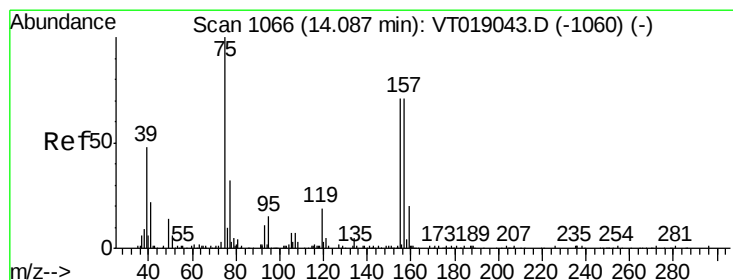
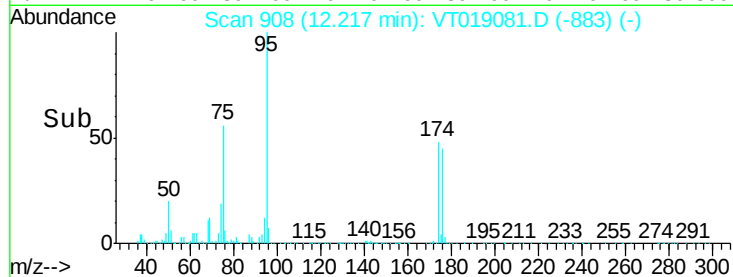
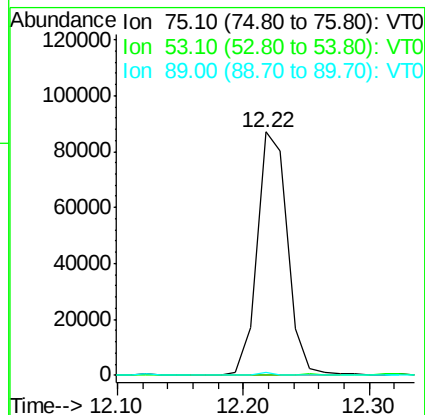
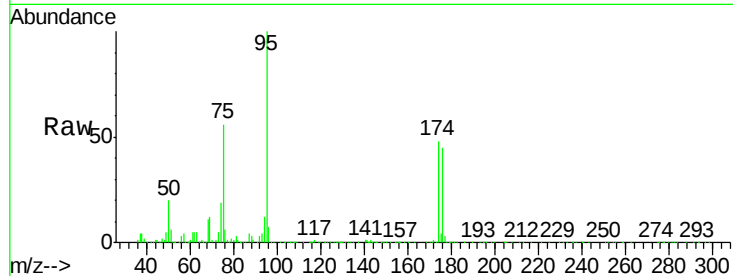
Tot Ion: 75 Resp: 146309

Ion Ratio Lower Upper

75 100

53 0.3 70.8 106.2#

89 1.2 35.8 53.8#



#91

1,2-Dibromo-3-Chloropropane

Concen: 2.14 ug/l

RT: 14.05 min Scan# 1063

Delta R.T. -0.04 min

Lab File: VT019081.D

Acq: 10 May 2018 17:51

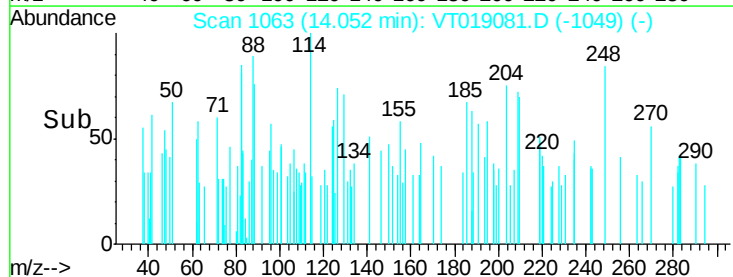
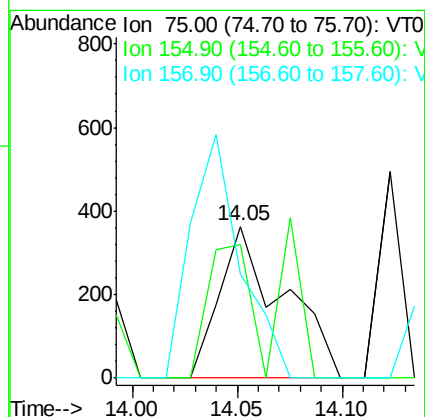
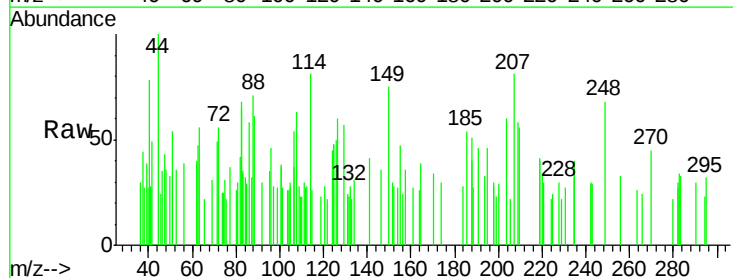
Tgt Ion: 75 Resp: 765

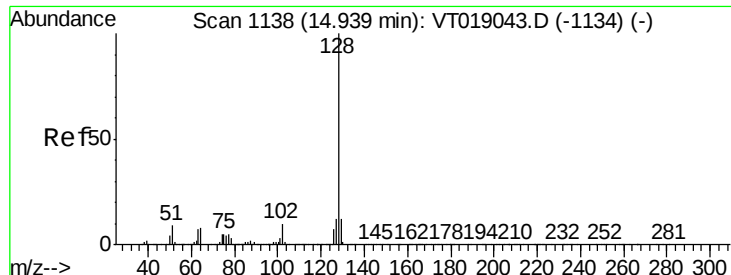
Ion Ratio Lower Upper

75 100

155 88.4 35.6 106.8

157 69.1 35.8 107.3





#94

Naphthalene

Concen: 1.19 ug/l

RT: 14.94 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VT019081.D

Acq: 10 May 2018 17:51

Instrument :

MSVOA_T

ClientSampleId :

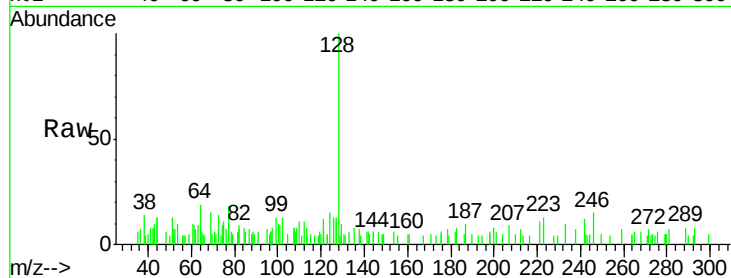
Tot Ion:128 Resp: 7516

Ion Ratio Lower Upper

128 100

127 10.2 9.9 14.9

129 13.9 9.3 13.9



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

