

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031219\
 Data File : VW009144.D
 Acq On : 13 Mar 2019 08:56
 Operator : SY/VA
 Sample : K1697-03RE
 Misc : 6.08G/5ML/MSVOA W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 14 09:49:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	335166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	543510	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	477699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	214165	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	196733	58.34	ug/l	0.00
Spiked Amount			Recovery	=	116.68%	
35) Dibromofluoromethane	7.88	113	162297	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
50) Toluene-d8	10.32	98	650486	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
62) 4-Bromofluorobenzene	12.62	95	219464	41.48	ug/l	0.00
Spiked Amount			Recovery	=	82.96%	

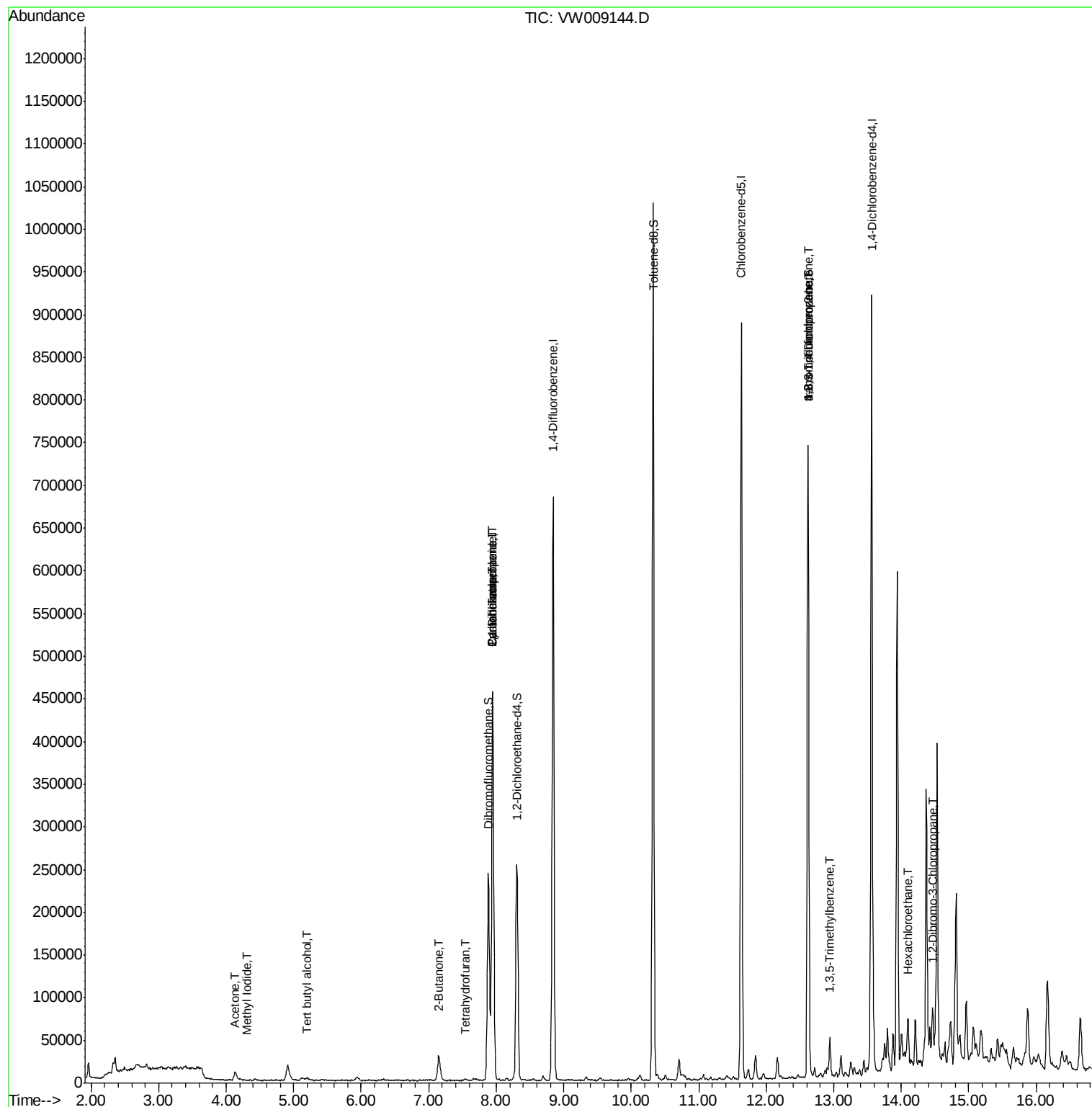
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.31	142	74	3.206	ug/l #	40
11) Tert butyl alcohol	5.20	59	4563	17.658	ug/l #	82
16) Acetone	4.13	43	16508	21.694	ug/l	90
20) Methylene Chloride	4.92	84	11730	Below Cal	#	78
25) 2-Butanone	7.15	43	1823	1.733	ug/l #	70
29) Tetrahydrofuran	7.54	42	1978	2.985	ug/l #	71
31) Cyclohexane	7.95	56	8914	1.417	ug/l #	27
36) 1,1-Dichloropropene	7.95	75	27457	4.831	ug/l #	49
38) Carbon Tetrachloride	7.95	117	33088	5.638	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	121786	71.974	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.94	105	17018	1.287	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	121786	160.987	ug/l #	5
90) Hexachloroethane	14.10	117	3481	1.366	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.46	75	538	1.249	ug/l #	3

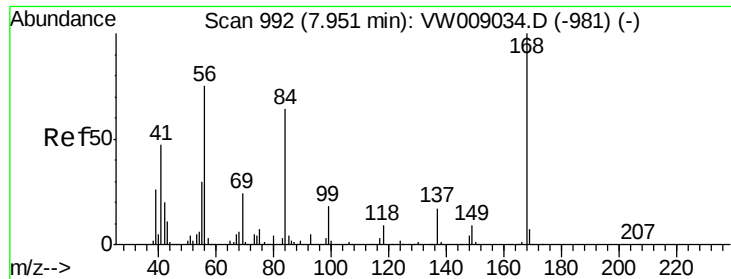
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009144.D

Acq: 13 Mar 2019 08:56

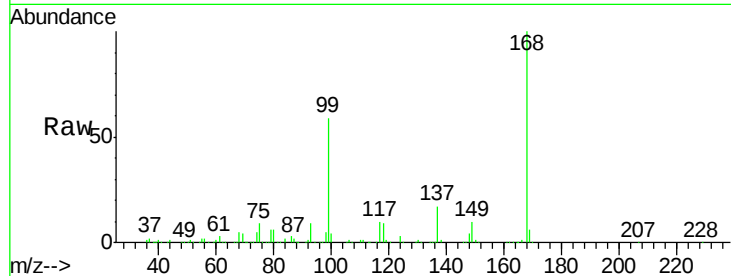
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 335166

Ion Ratio Lower Upper

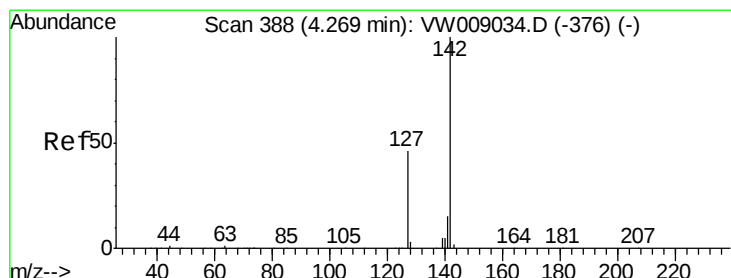
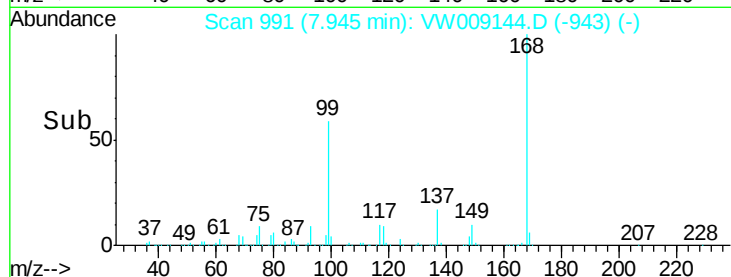
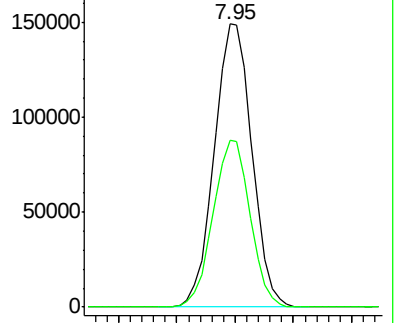
168 100

99 58.8 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#10

Methyl Iodide

Concen: 3.206 ug/l

RT: 4.31 min Scan# 395

Delta R.T. 0.04 min

Lab File: VW009144.D

Acq: 13 Mar 2019 08:56

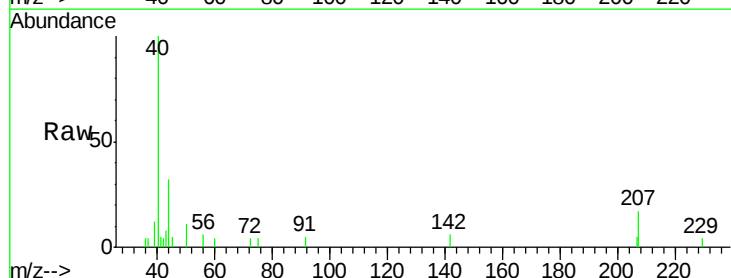
Tgt Ion:142 Resp: 74

Ion Ratio Lower Upper

142 100

127 0.0 35.8 53.6#

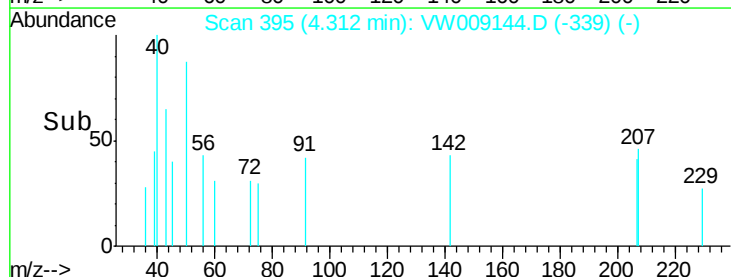
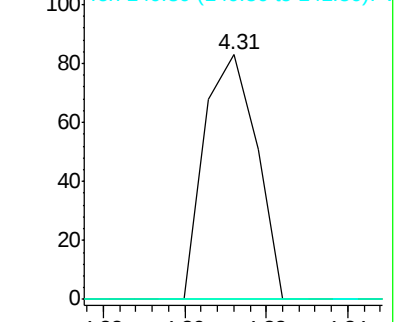
141 0.0 11.8 17.8#

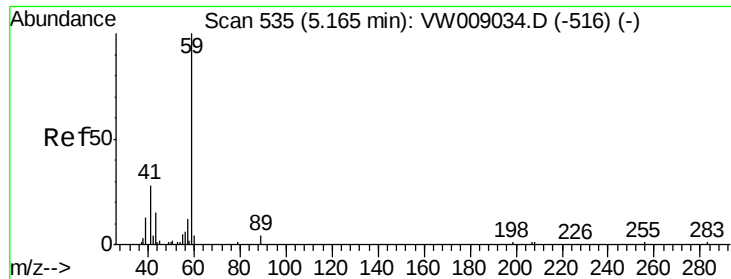


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



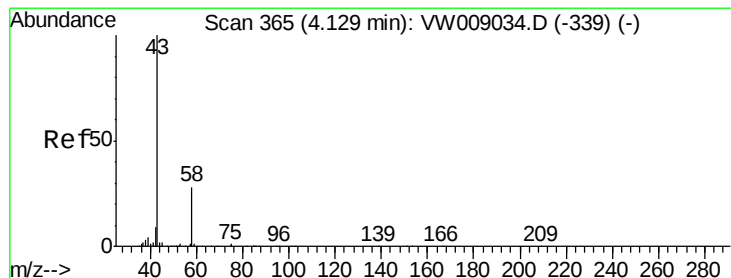
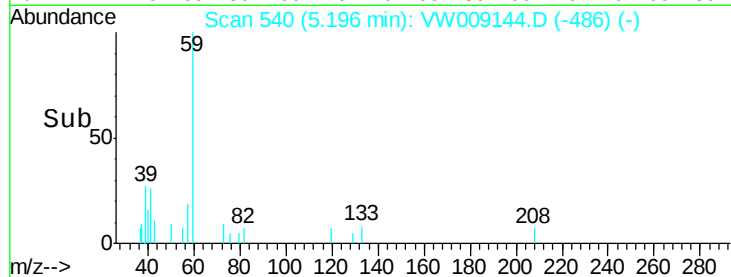
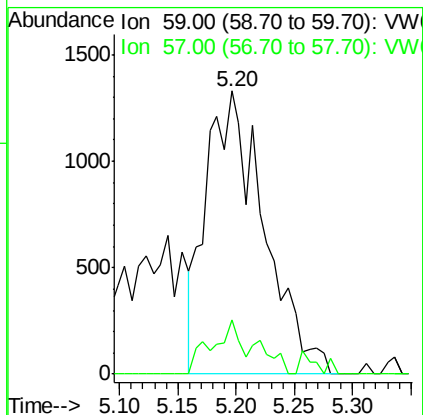
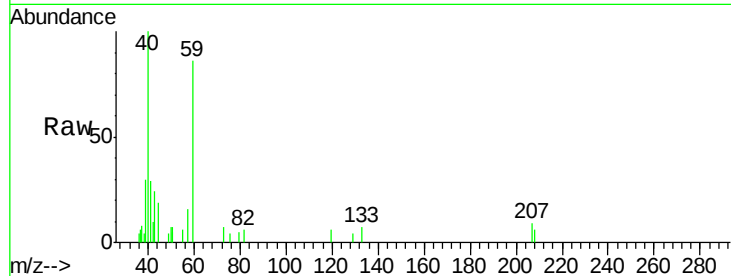


#11

Tert butyl alcohol
 Concen: 17.658 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. 0.03 min
 Lab File: VW009144.D
 Acq: 13 Mar 2019 08:56

Instrument :
 MSVOA_W
 ClientSampled :

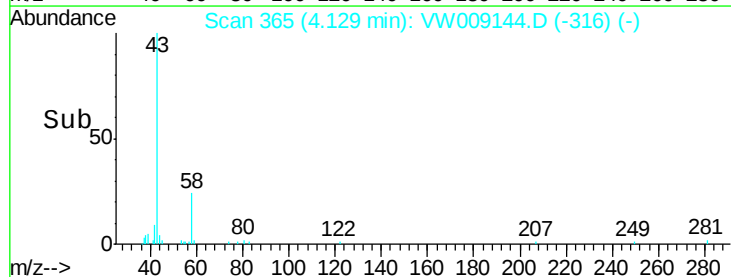
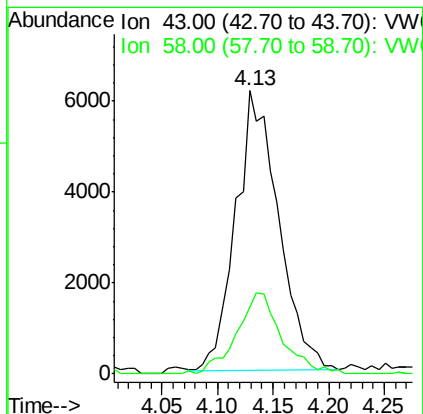
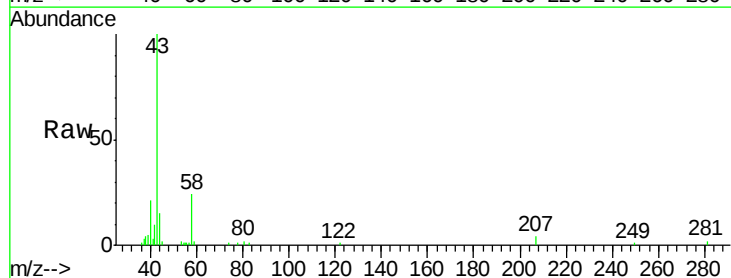
Tot Ion: 59 Resp: 4563
 Ion Ratio Lower Upper
 59 100
 57 3.9 8.6 12.8#

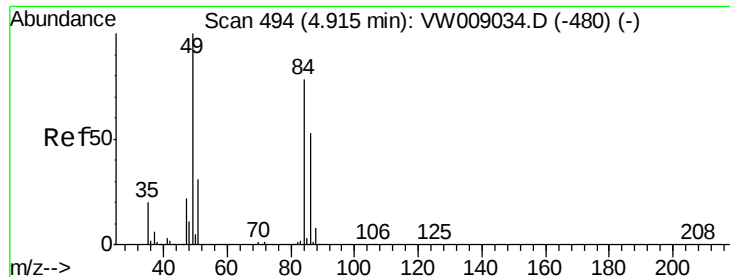


#16

Acetone
 Concen: 21.694 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VW009144.D
 Acq: 13 Mar 2019 08:56

Tgt Ion: 43 Resp: 16508
 Ion Ratio Lower Upper
 43 100
 58 22.9 22.5 33.7

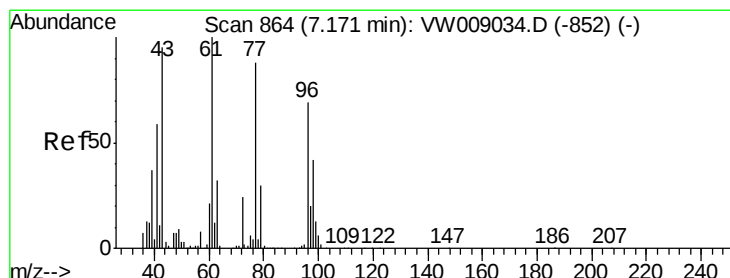
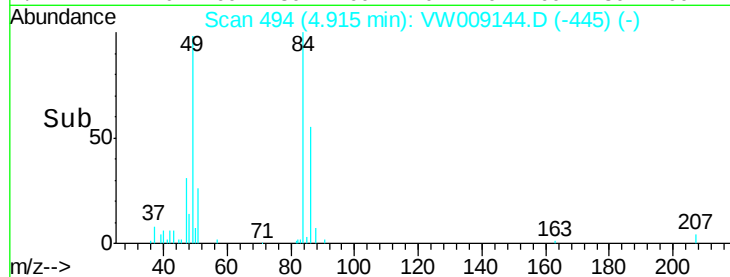
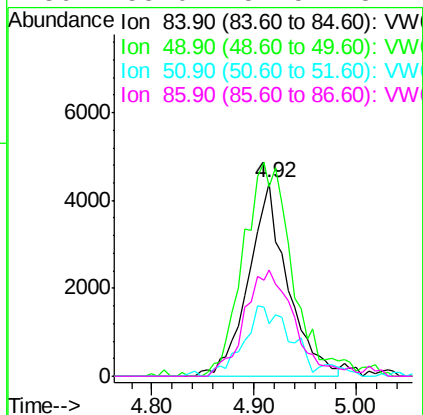
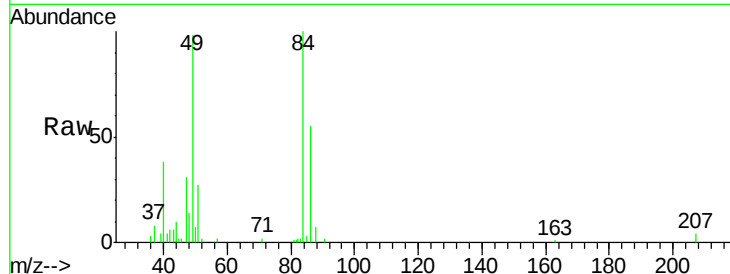




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009144.D
Acq: 13 Mar 2019 08:56

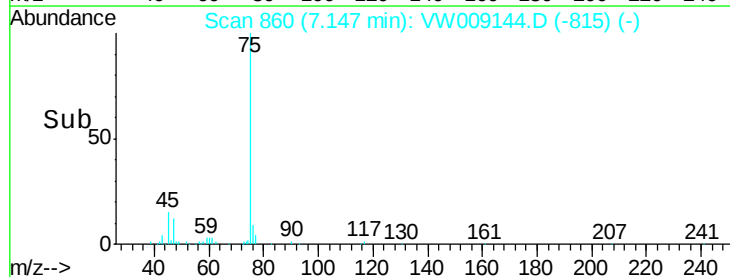
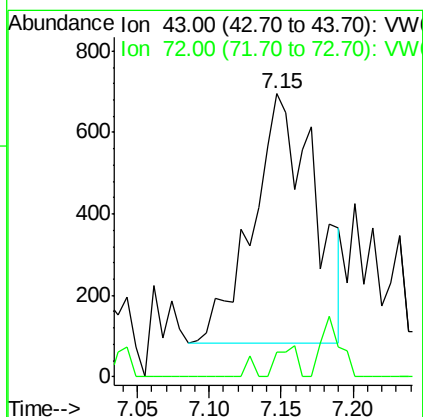
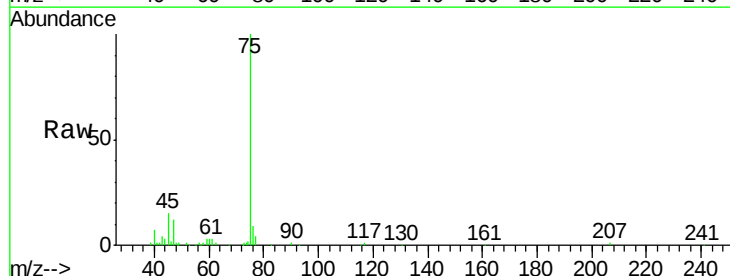
Instrument :
MSVOA_W
ClientSampled :

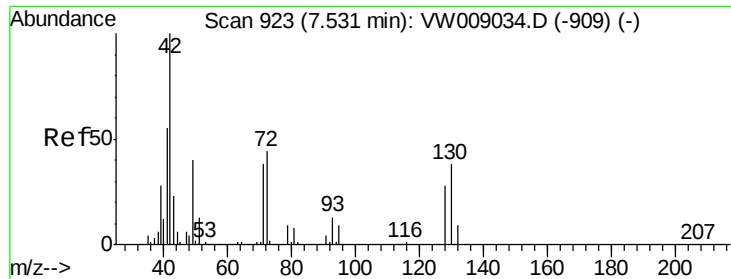
Tot Ion: 84 Resp: 11730
Ion Ratio Lower Upper
84 100
49 98.1 102.4 153.6#
51 26.0 31.6 47.4#
86 55.0 54.5 81.7



#25
2-Butanone
Concen: 1.733 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW009144.D
Acq: 13 Mar 2019 08:56

Tgt Ion: 43 Resp: 1823
Ion Ratio Lower Upper
43 100
72 10.1 20.0 30.0#

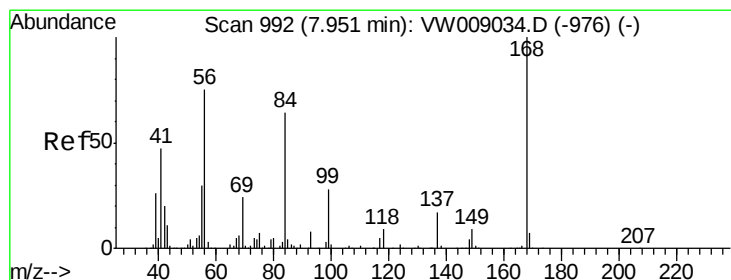
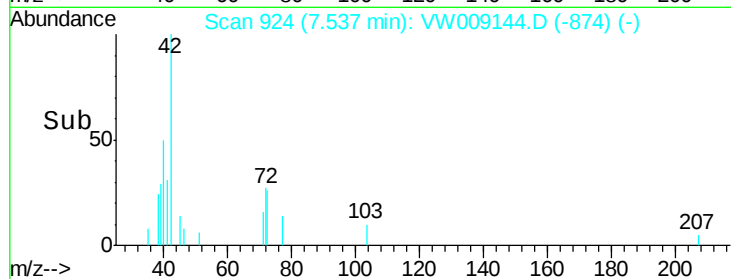
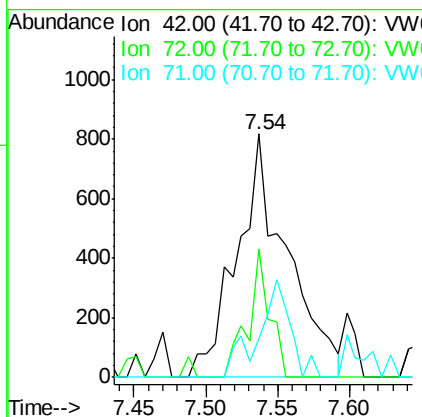
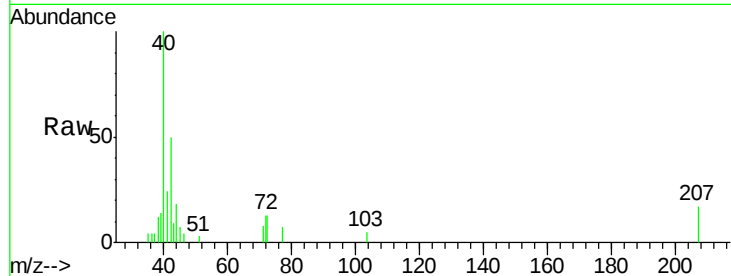




#29
Tetrahydrofuran
Concen: 2.985 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW009144.D
Acq: 13 Mar 2019 08:56

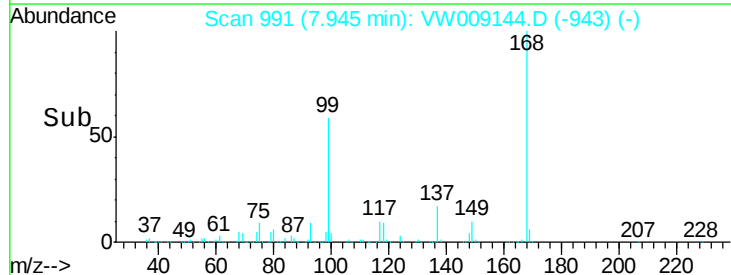
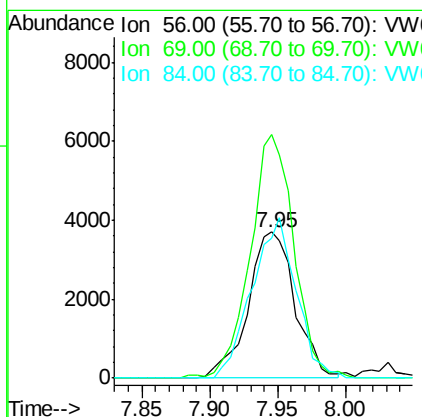
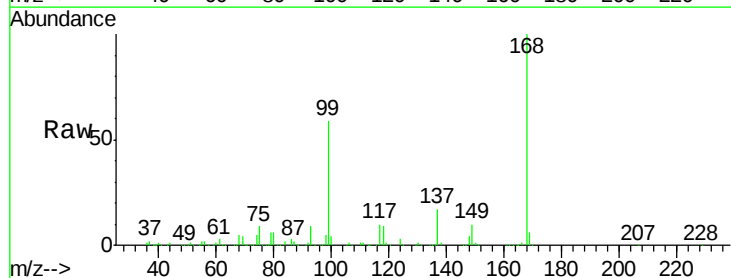
Instrument :
MSVOA_W
ClientSampled :

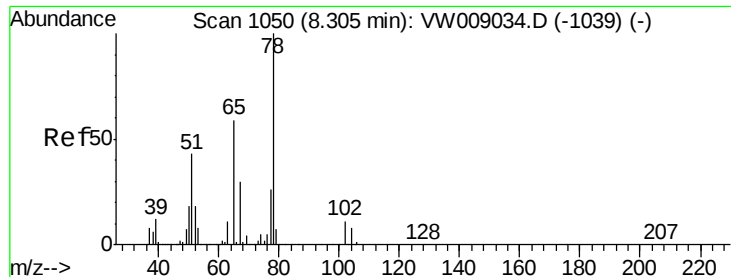
Tot Ion: 42 Resp: 1978
Ion Ratio Lower Upper
42 100
72 22.6 32.2 48.4#
71 20.3 30.7 46.1#



#31
Cyclohexane
Concen: 1.417 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009144.D
Acq: 13 Mar 2019 08:56

Tgt Ion: 56 Resp: 8914
Ion Ratio Lower Upper
56 100
69 164.9 25.5 38.3#
84 96.0 68.6 103.0





#33

1,2-Dichloroethane-d4

Concen: 58.341 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009144.D

Acq: 13 Mar 2019 08:56

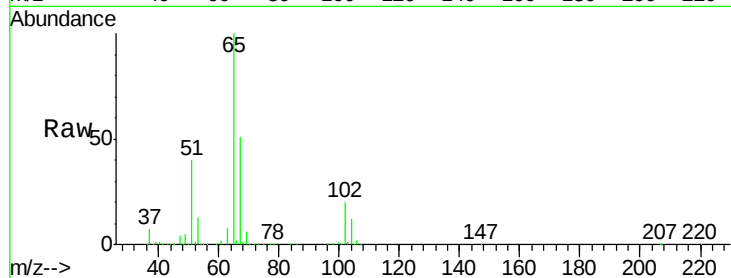
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 65 Resp: 196733

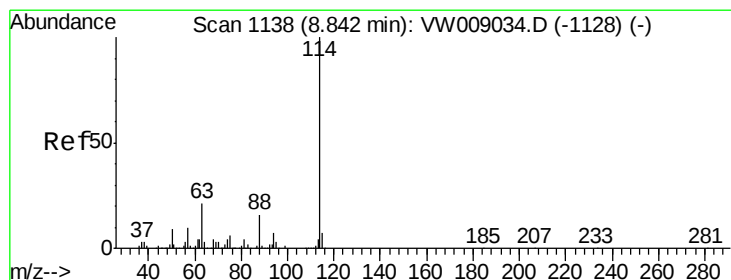
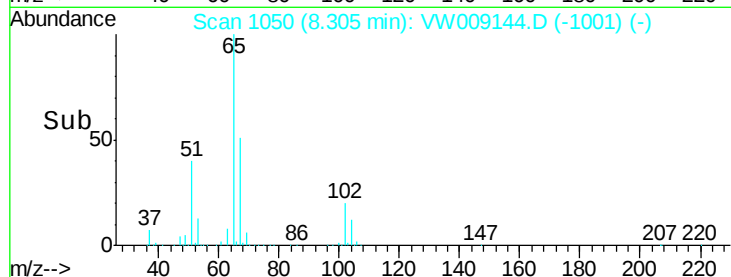
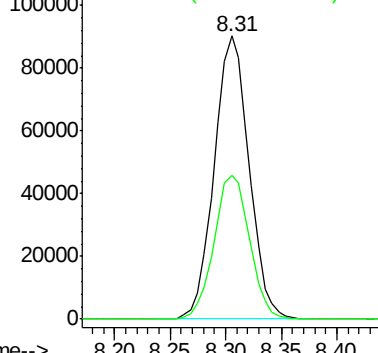
Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009144.D

Acq: 13 Mar 2019 08:56

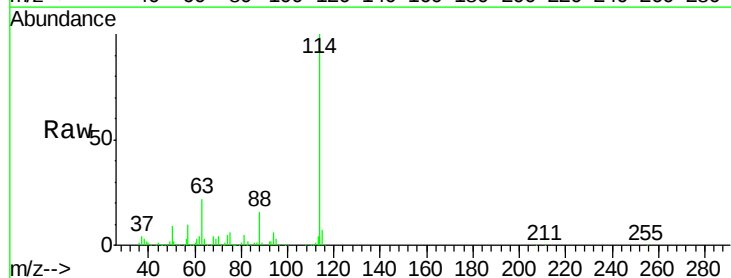
Tgt Ion: 114 Resp: 543510

Ion Ratio Lower Upper

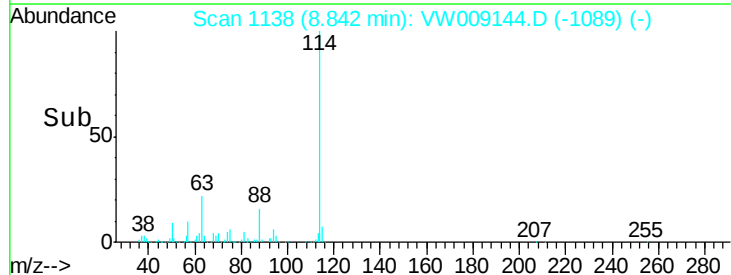
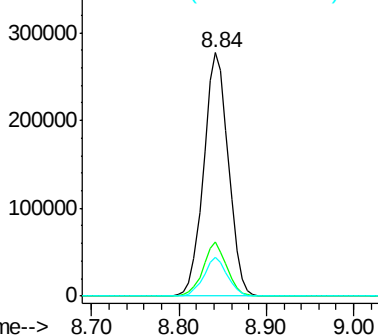
114 100

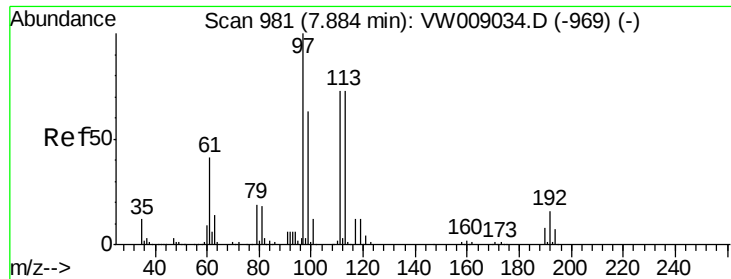
63 22.2 0.0 41.2

88 16.0 0.0 31.2



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

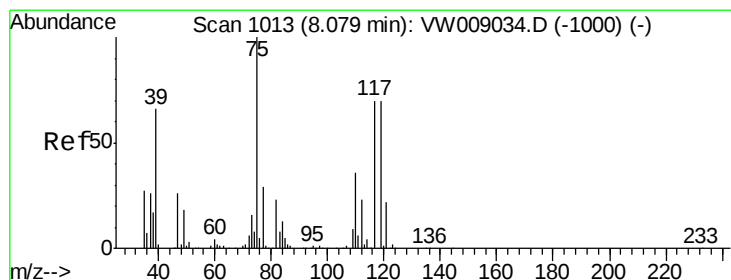
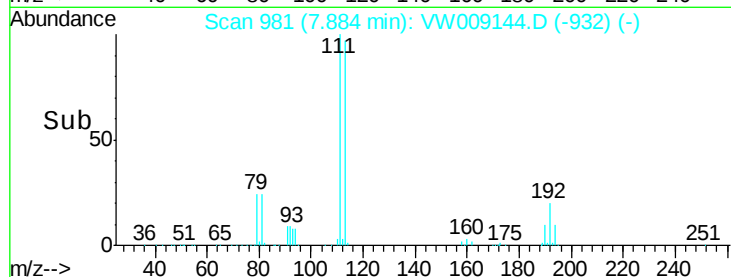
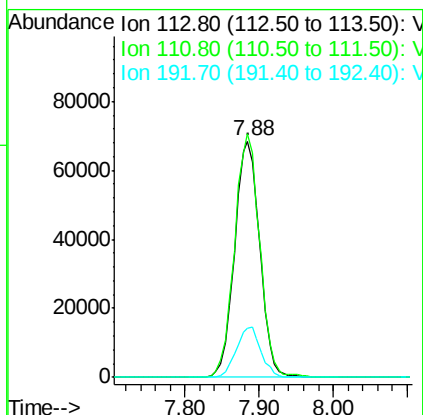
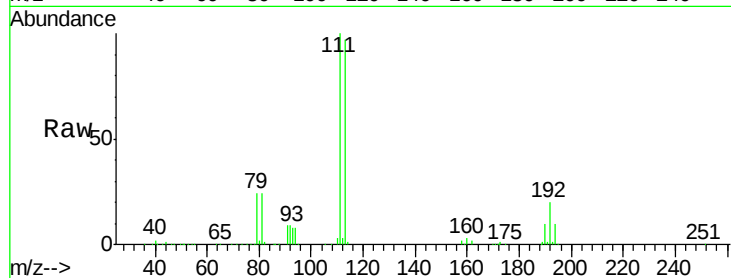




#35
 Dibromofluoromethane
 Concen: 49.595 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009144.D
 Acq: 13 Mar 2019 08:56

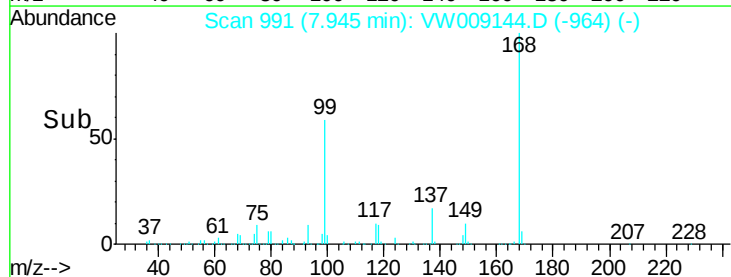
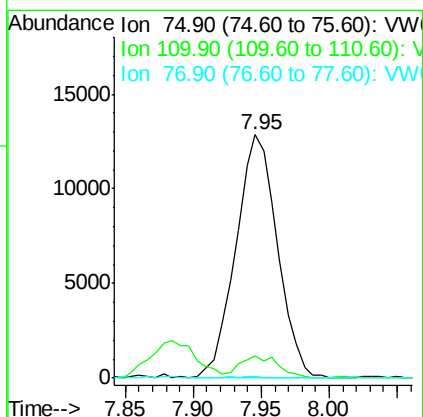
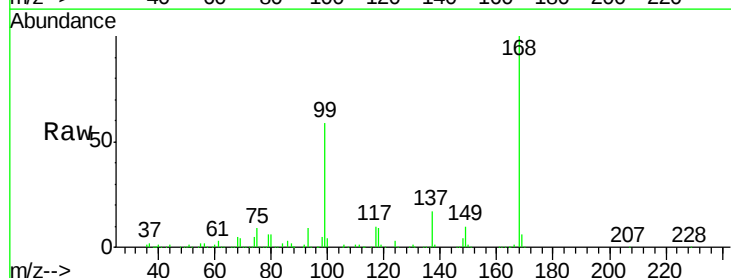
Instrument :
 MSVOA_W
 ClientSampled :

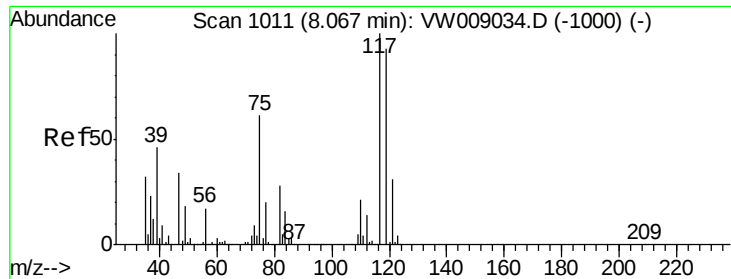
Tot Ion:113 Resp: 162297
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.0 121.4
 192 20.9 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.831 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW009144.D
 Acq: 13 Mar 2019 08:56

Tgt Ion: 75 Resp: 27457
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.6 52.9#
 77 0.3 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.638 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW009144.D

Acq: 13 Mar 2019 08:56

Instrument :

MSVOA_W

ClientSampleId :

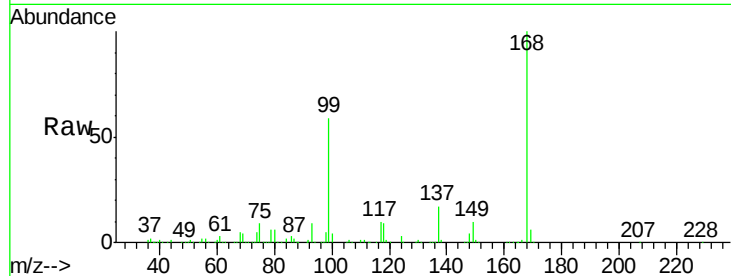
Tot Ion:117 Resp: 33088

Ion Ratio Lower Upper

117 100

119 6.9 74.6 112.0#

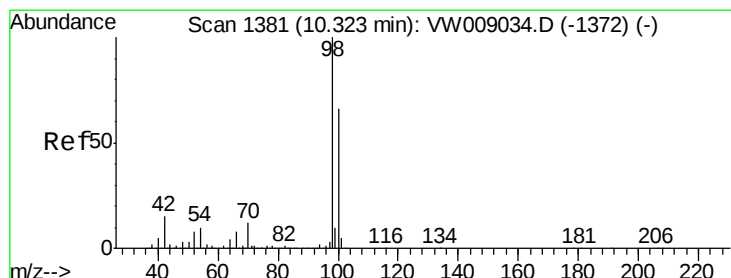
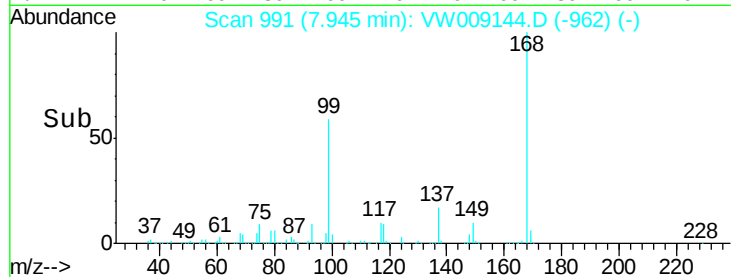
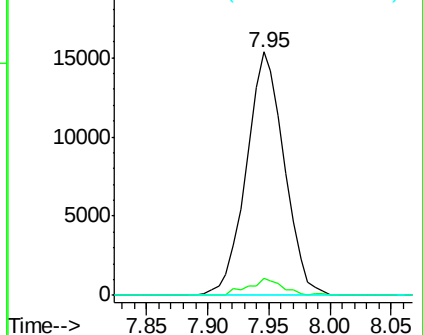
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 48.398 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009144.D

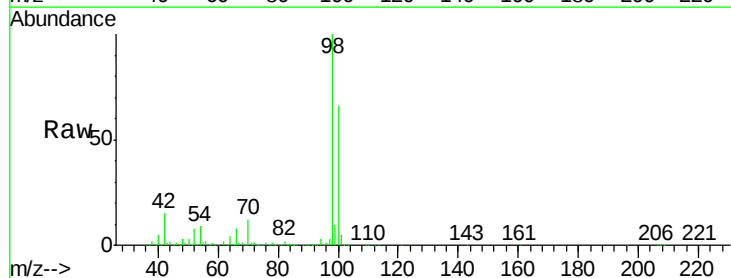
Acq: 13 Mar 2019 08:56

Tgt Ion: 98 Resp: 650486

Ion Ratio Lower Upper

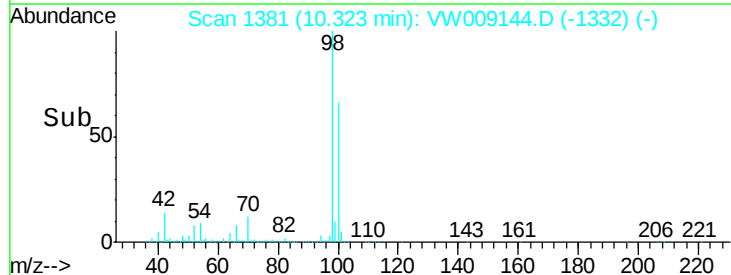
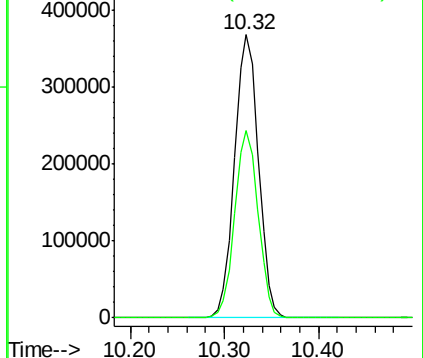
98 100

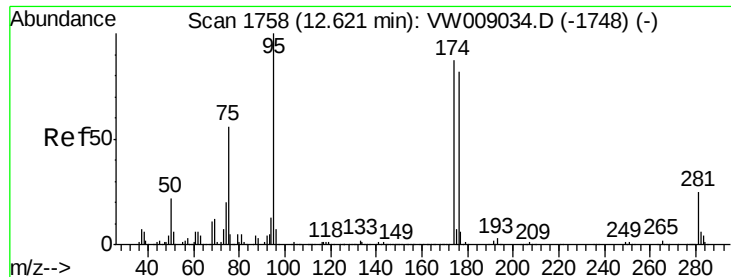
100 64.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

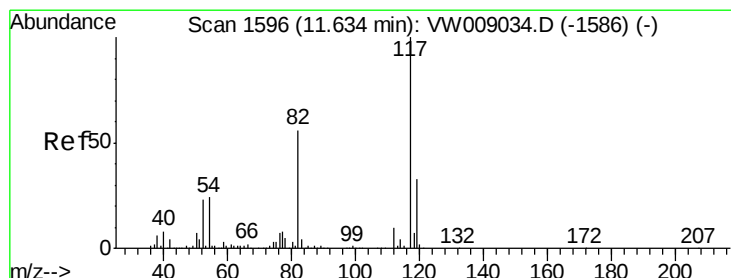
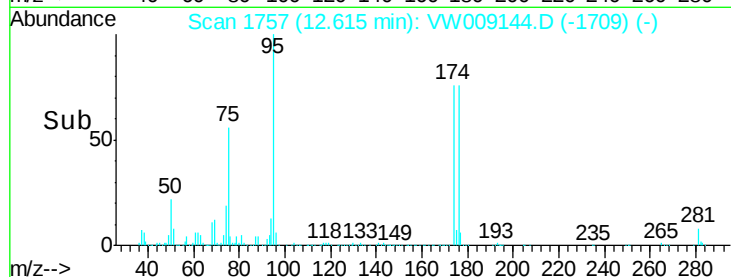
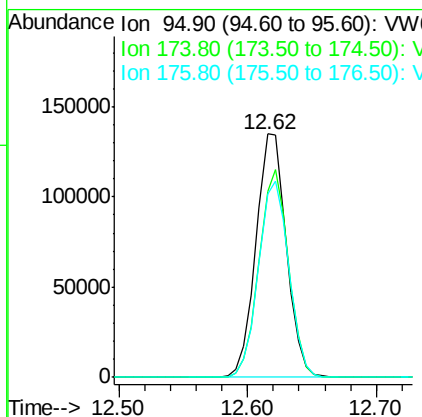
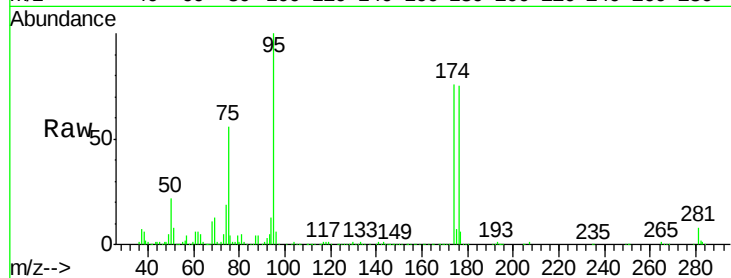




#62
4-Bromofluorobenzene
Concen: 41.479 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW009144.D
Acq: 13 Mar 2019 08:56

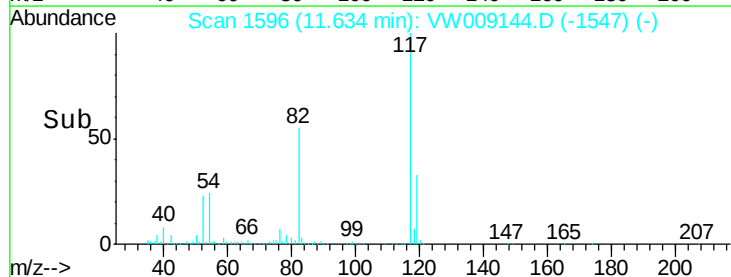
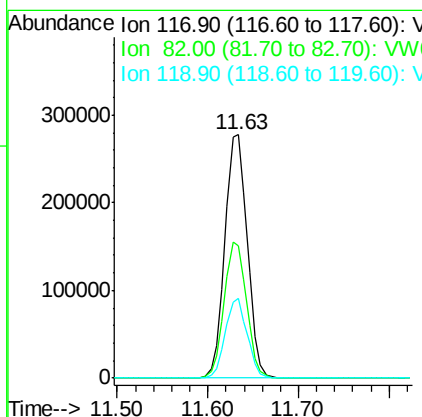
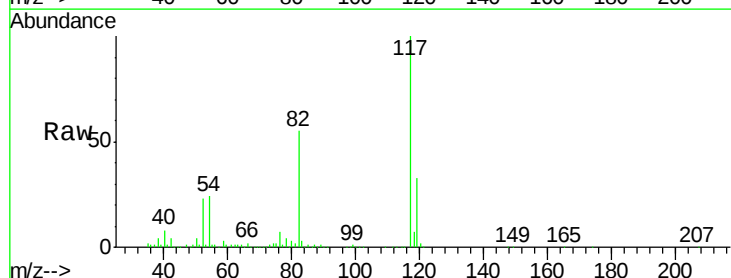
Instrument :
MSVOA_W
ClientSampleId :

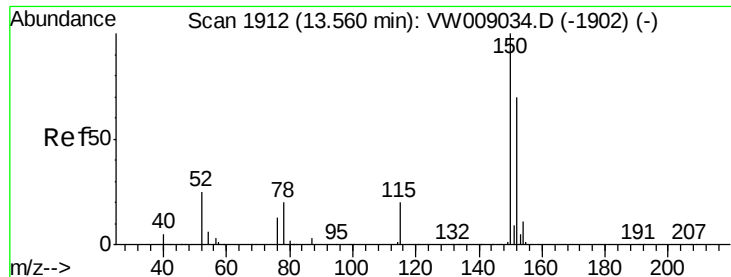
Tot Ion: 95 Resp: 219464
Ion Ratio Lower Upper
95 100
174 82.9 0.0 167.0
176 80.7 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009144.D
Acq: 13 Mar 2019 08:56

Tgt Ion: 117 Resp: 477699
Ion Ratio Lower Upper
117 100
82 54.6 45.0 67.6
119 32.8 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009144.D

Acq: 13 Mar 2019 08:56

Instrument :

MSVOA_W

ClientSampled :

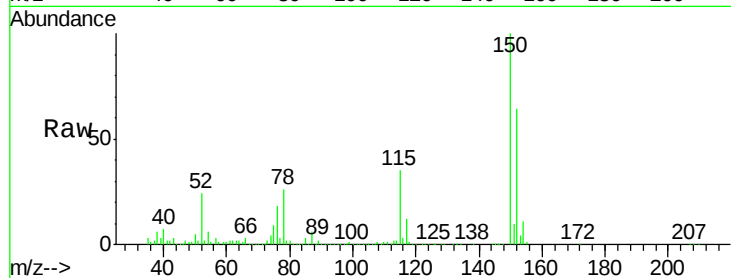
Tot Ion:152 Resp: 214165

Ion Ratio Lower Upper

152 100

115 58.0 28.9 86.7

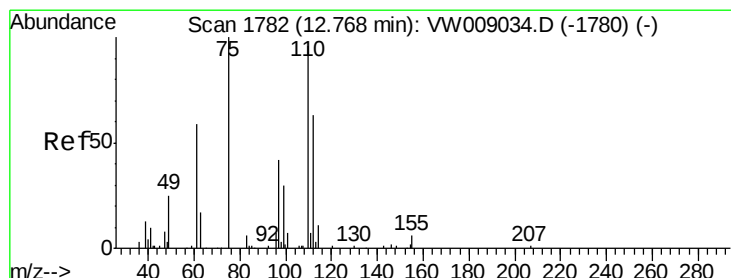
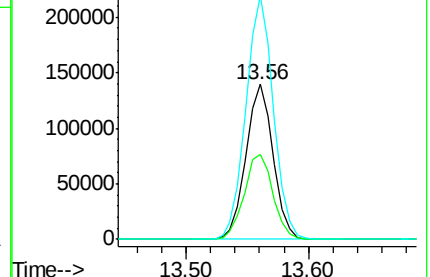
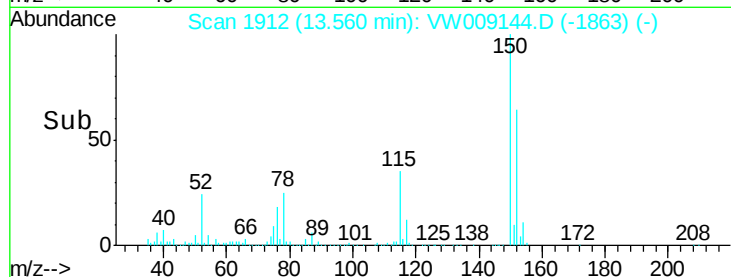
150 159.5 0.0 349.2



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: 71.974 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW009144.D

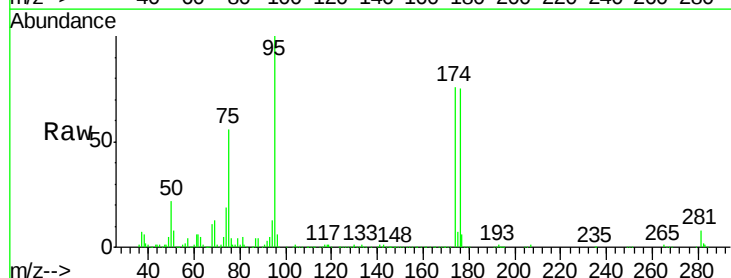
Acq: 13 Mar 2019 08:56

Tgt Ion: 75 Resp: 121786

Ion Ratio Lower Upper

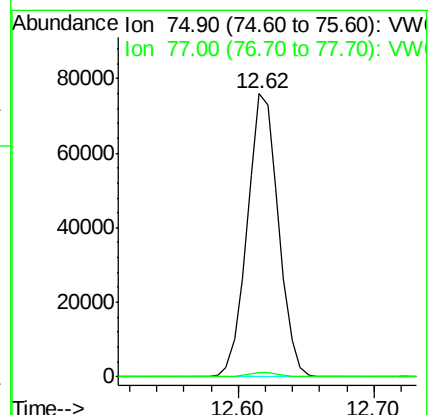
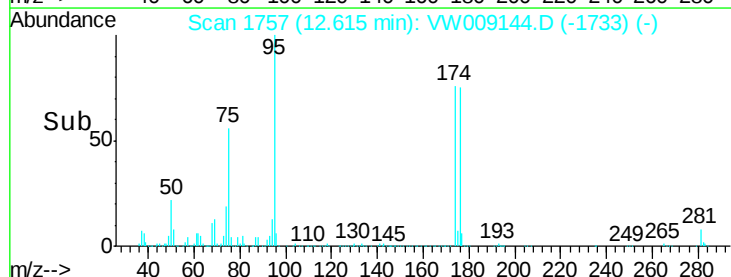
75 100

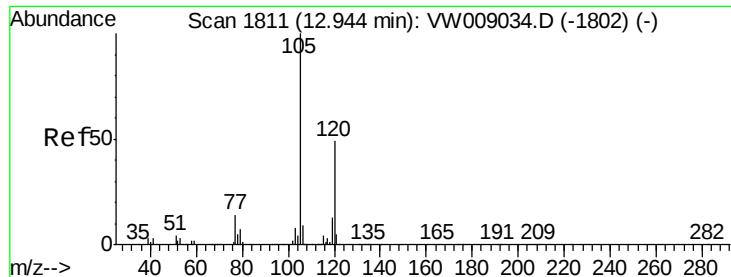
77 1.5 186.7 560.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#80

1,3,5-Trimethylbenzene

Concen: 1.287 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009144.D

Acq: 13 Mar 2019 08:56

Instrument :

MSVOA_W

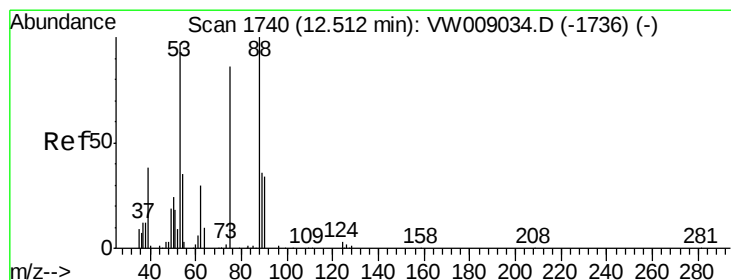
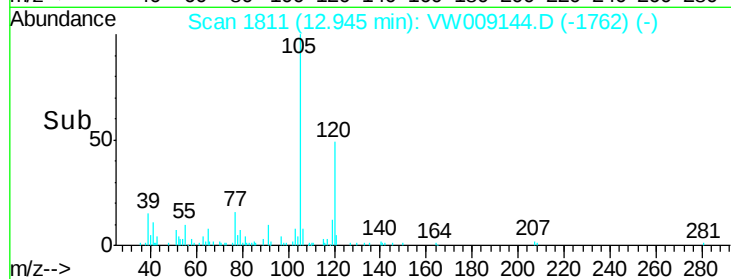
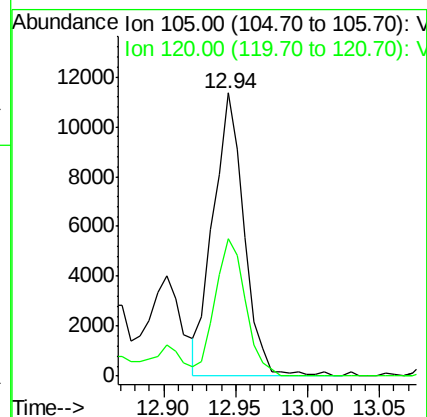
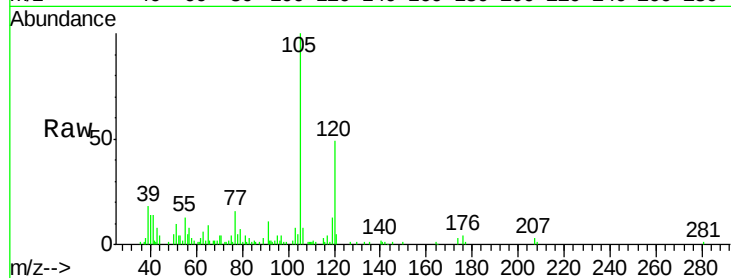
ClientSampleId :

Tot Ion:105 Resp: 17018

Ion Ratio Lower Upper

105 100

120 47.8 24.4 73.2



#81

trans-1,4-Dichloro-2-butene

Concen: 160.987 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW009144.D

Acq: 13 Mar 2019 08:56

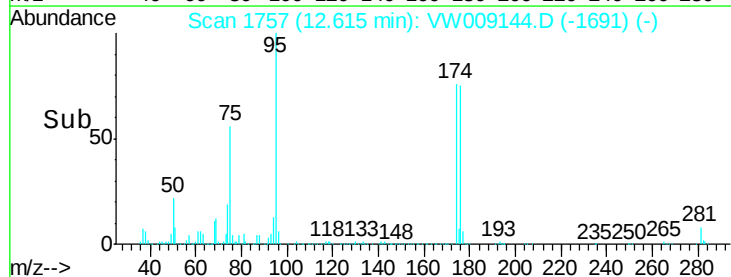
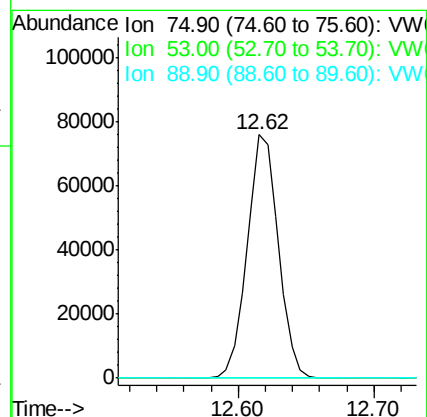
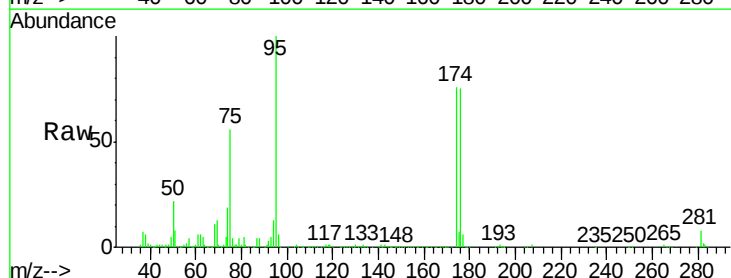
Tgt Ion: 75 Resp: 121786

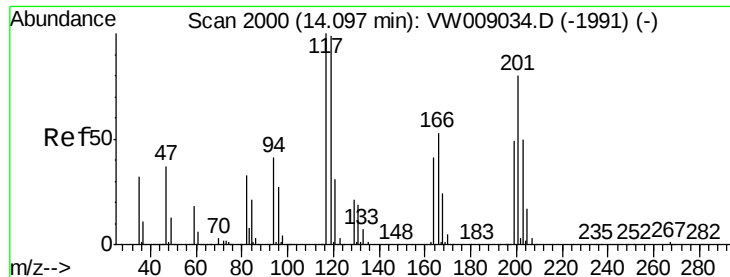
Ion Ratio Lower Upper

75 100

53 0.4 90.5 135.7#

89 0.0 37.5 56.3#





#90

Hexachloroethane

Concen: 1.366 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW009144.D

Acq: 13 Mar 2019 08:56

Instrument :

MSVOA_W

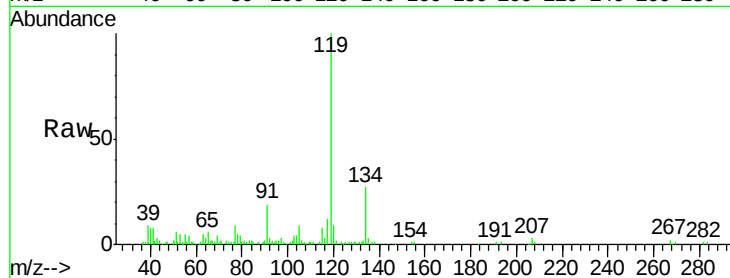
ClientSampleId :

Tot Ion:117 Resp: 3481

Ion Ratio Lower Upper

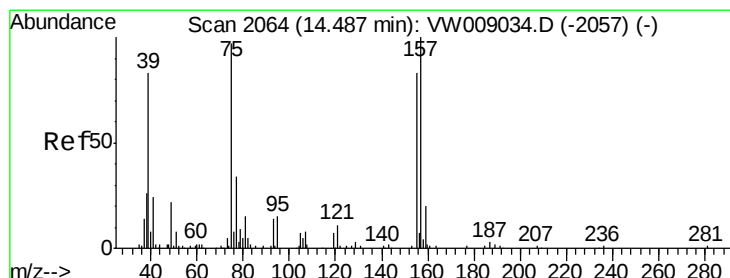
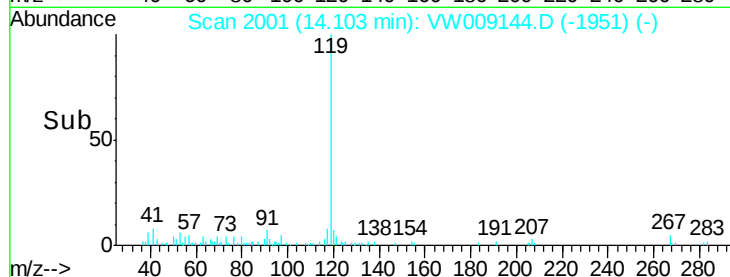
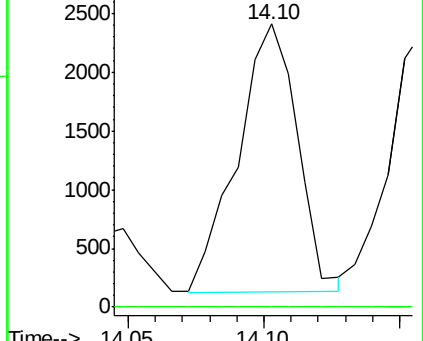
117 100

201 0.0 39.1 117.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.249 ug/l

RT: 14.46 min Scan# 2059

Delta R.T. -0.03 min

Lab File: VW009144.D

Acq: 13 Mar 2019 08:56

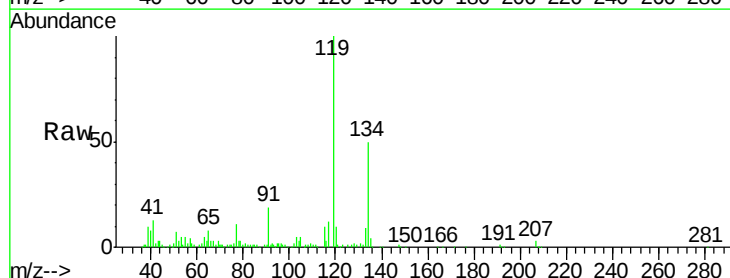
Tgt Ion: 75 Resp: 538

Ion Ratio Lower Upper

75 100

155 0.0 40.8 122.4#

157 0.0 52.4 157.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

