

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061319\
 Data File : VW010801.D
 Acq On : 13 Jun 2019 16:51
 Operator : SY/VA
 Sample : K3351-07RE
 Misc : 6.07G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 14 07:58:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	74558	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	122749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	106802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	46532	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	31399	35.73	ug/l	0.00
Spiked Amount			Recovery	=	71.46%	
35) Dibromofluoromethane	7.88	113	21805	32.73	ug/l	0.00
Spiked Amount			Recovery	=	65.46%	
50) Toluene-d8	10.32	98	89552	30.65	ug/l	0.00
Spiked Amount			Recovery	=	61.30%	
62) 4-Bromofluorobenzene	12.62	95	34151	32.12	ug/l	0.00
Spiked Amount			Recovery	=	64.24%	

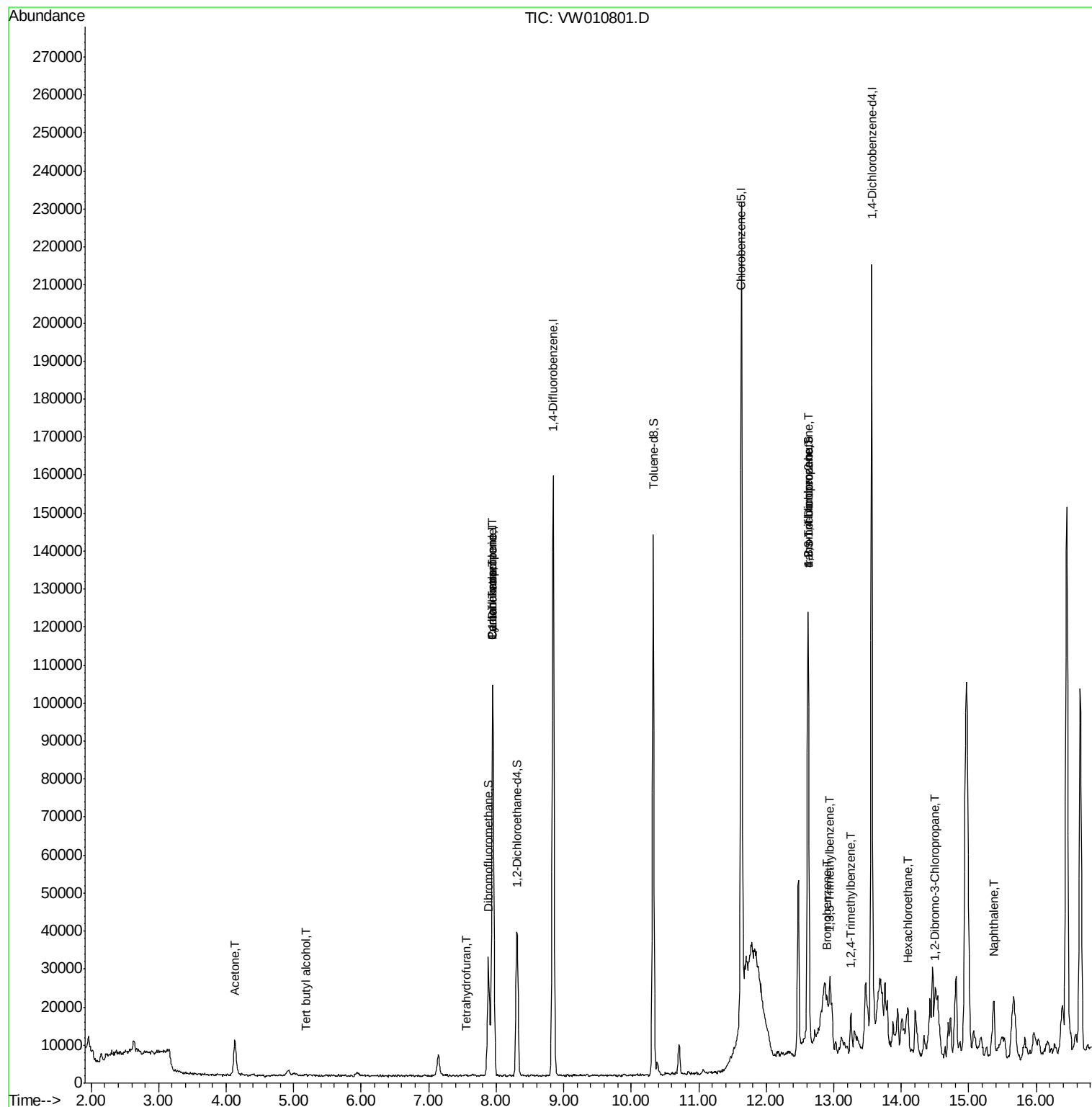
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	135	1.886	ug/l #	72
16) Acetone	4.13	43	17902	76.026	ug/l	99
29) Tetrahydrofuran	7.56	42	210	1.023	ug/l #	40
31) Cyclohexane	7.95	56	1996	1.126	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	6534	5.200	ug/l #	51
38) Carbon Tetrachloride	7.95	117	7654	7.057	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	18874	38.625	ug/l #	100
77) Bromobenzene	12.89	156	5906	7.738	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.94	105	6131	2.142	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.62	75	18874	88.773	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.26	105	6182	2.146	ug/l	94
90) Hexachloroethane	14.10	117	573	1.012	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.49	75	148	1.295	ug/l #	14
95) Naphthalene	15.37	128	9022	5.346	ug/l #	95

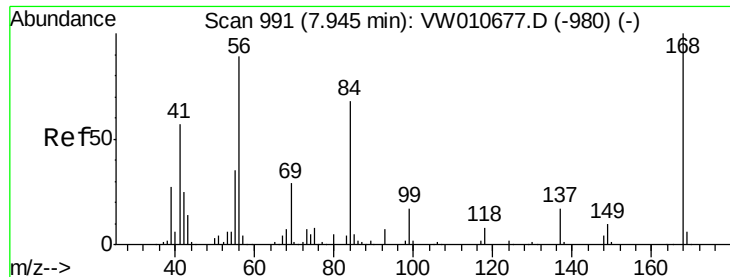
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010801.D

Acq: 13 Jun 2019 16:51

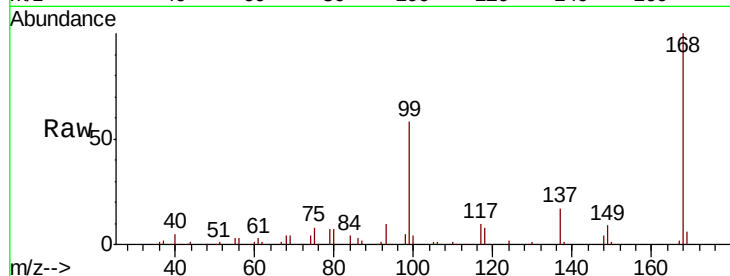
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 74558

Ion Ratio Lower Upper

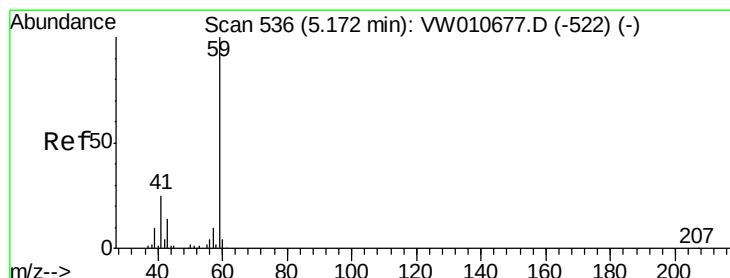
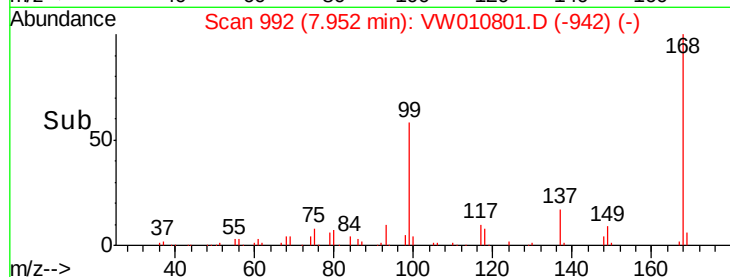
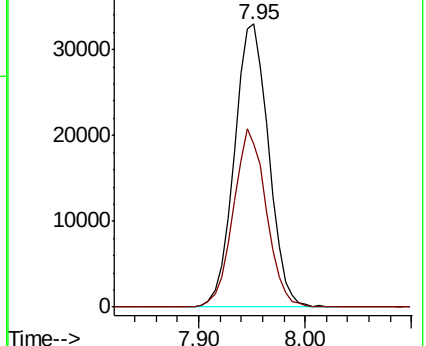
168 100

99 57.7 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.886 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW010801.D

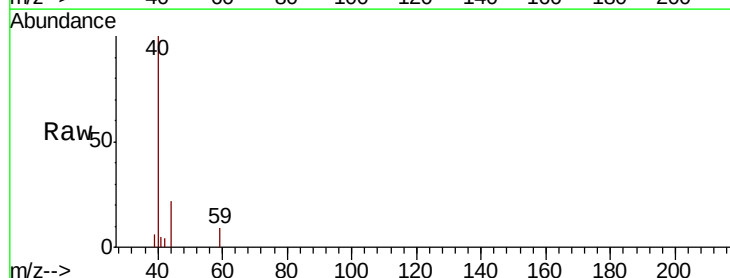
Acq: 13 Jun 2019 16:51

Tgt Ion: 59 Resp: 135

Ion Ratio Lower Upper

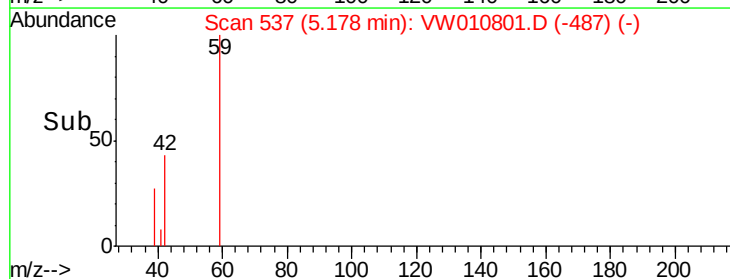
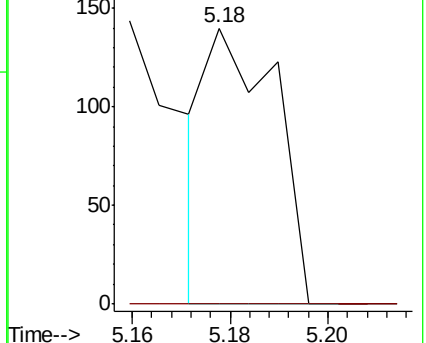
59 100

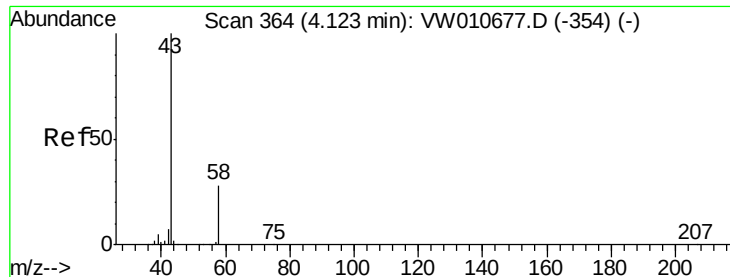
57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 76.026 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010801.D

Acq: 13 Jun 2019 16:51

Instrument :

MSVOA_W

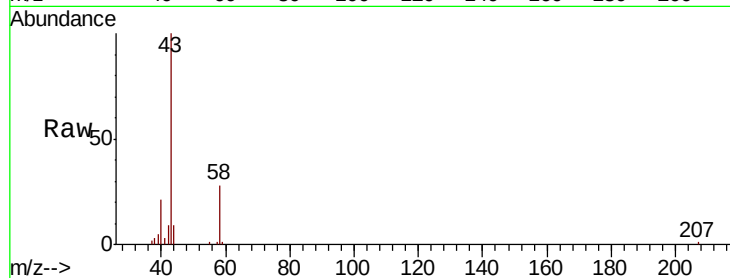
ClientSampleId :

Tot Ion: 43 Resp: 17902

Ion Ratio Lower Upper

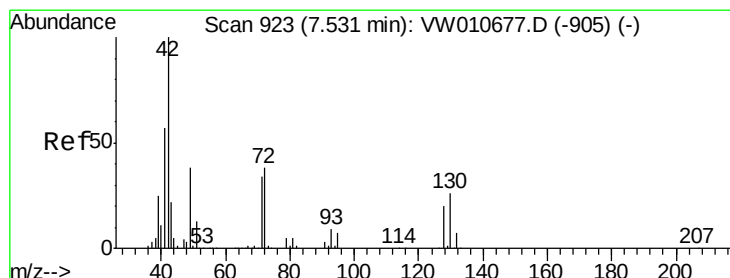
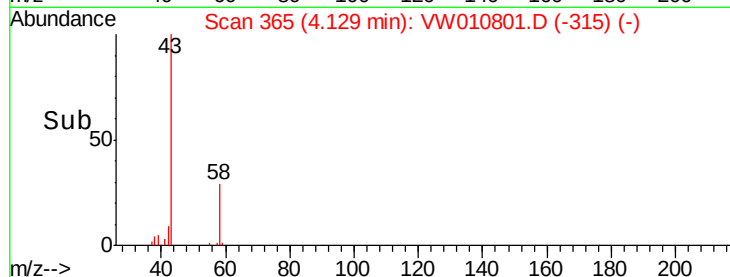
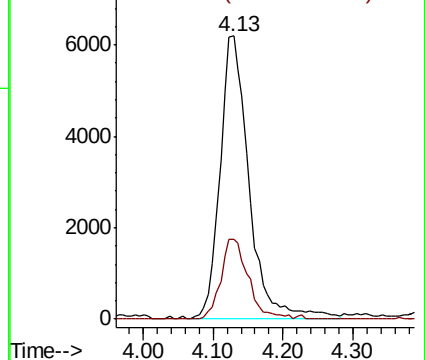
43 100

58 28.2 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#29

Tetrahydrofuran

Concen: 1.023 ug/l

RT: 7.56 min Scan# 928

Delta R.T. 0.03 min

Lab File: VW010801.D

Acq: 13 Jun 2019 16:51

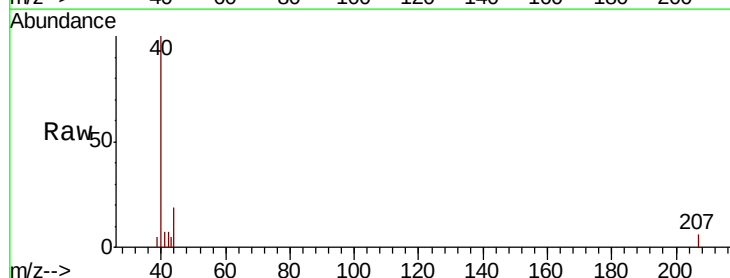
Tgt Ion: 42 Resp: 210

Ion Ratio Lower Upper

42 100

72 0.0 28.7 43.1#

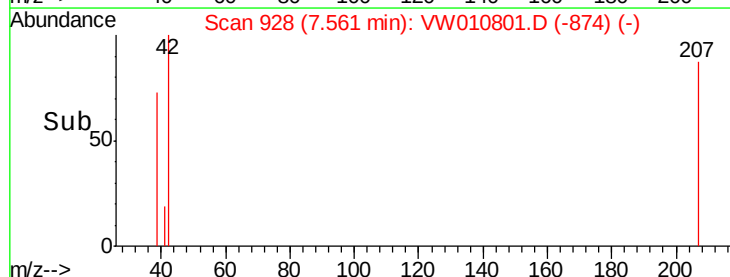
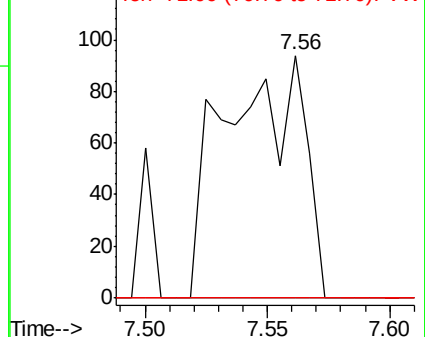
71 0.0 26.6 39.8#

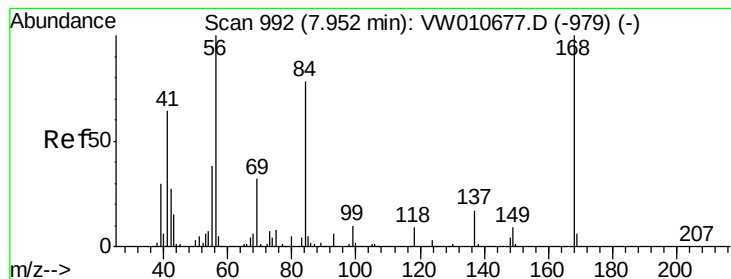


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.126 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010801.D

Acq: 13 Jun 2019 16:51

Instrument :
MSVOA_W
ClientSampled :

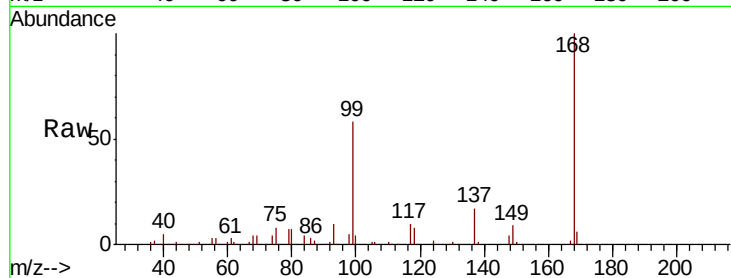
Tot Ion: 56 Resp: 1996

Ion Ratio Lower Upper

56 100

69 165.2 25.2 37.8#

84 137.8 62.2 93.2#

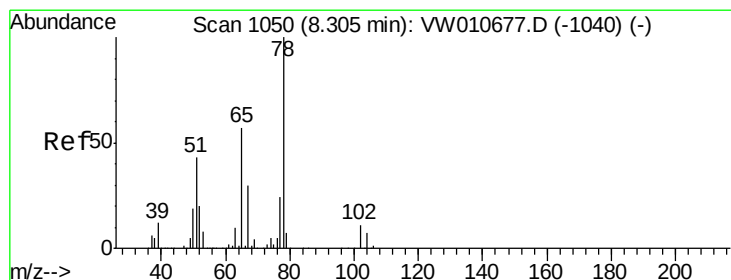
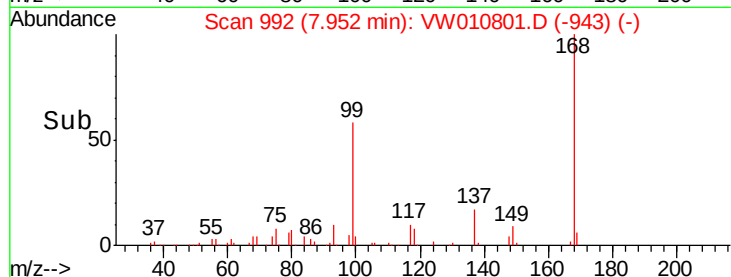
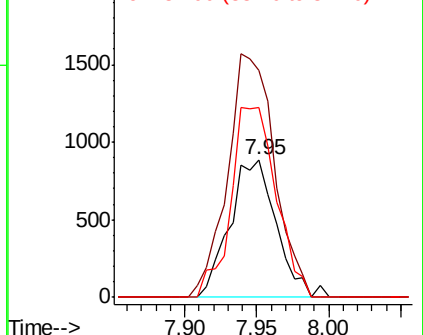


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 35.730 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW010801.D

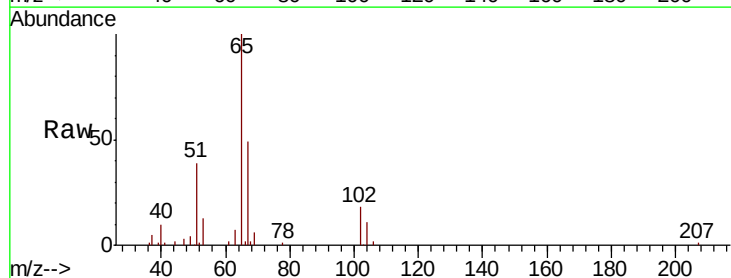
Acq: 13 Jun 2019 16:51

Tgt Ion: 65 Resp: 31399

Ion Ratio Lower Upper

65 100

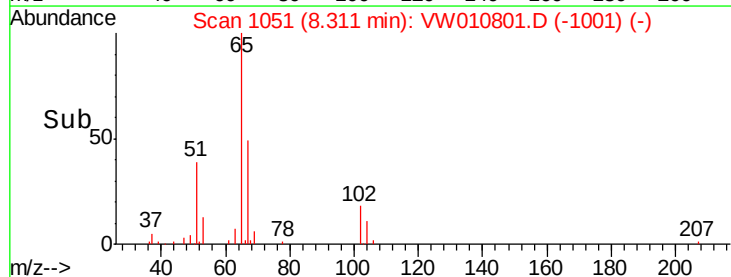
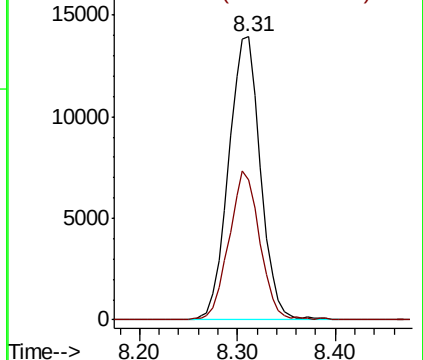
67 50.9 0.0 102.6

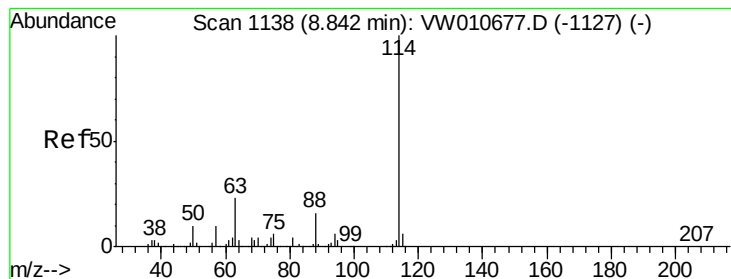


Abundance

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: VW010801.D

Acq: 13 Jun 2019 16:51

Instrument :

MSVOA_W

ClientSampleId :

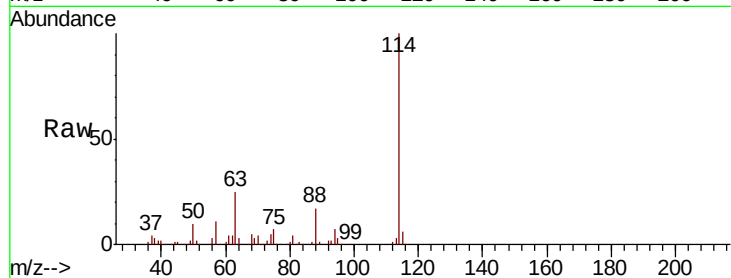
Tot Ion:114 Resp: 122749

Ion Ratio Lower Upper

114 100

63 25.1 0.0 46.4

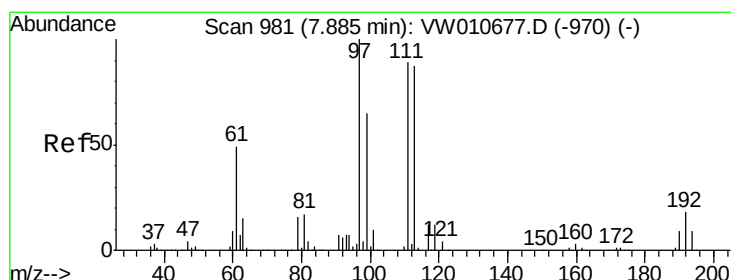
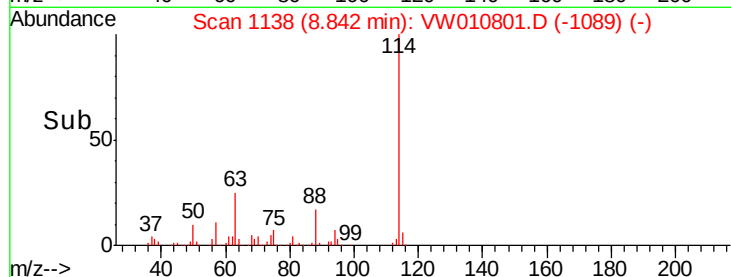
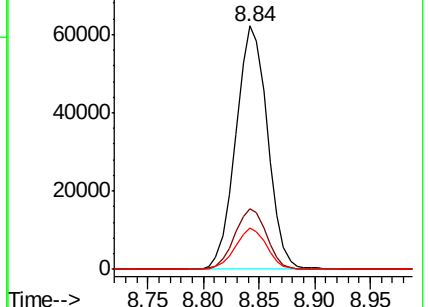
88 17.1 0.0 32.2



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: 32.728 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010801.D

Acq: 13 Jun 2019 16:51

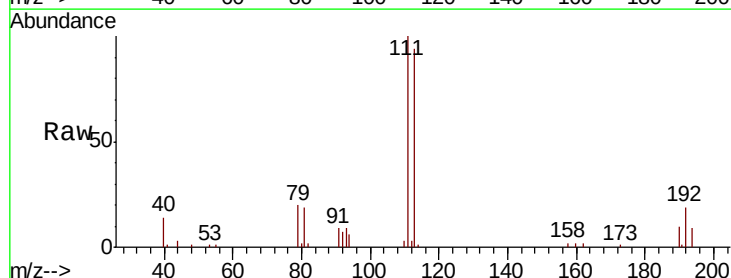
Tgt Ion:113 Resp: 21805

Ion Ratio Lower Upper

113 100

111 105.3 82.6 123.8

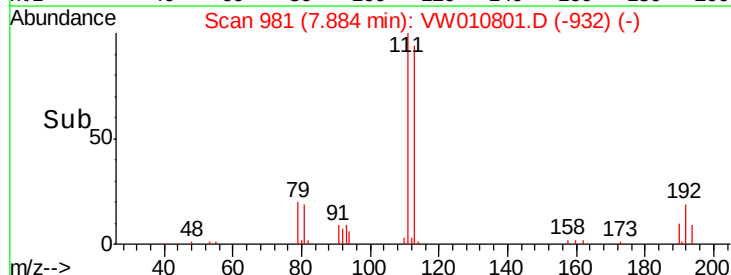
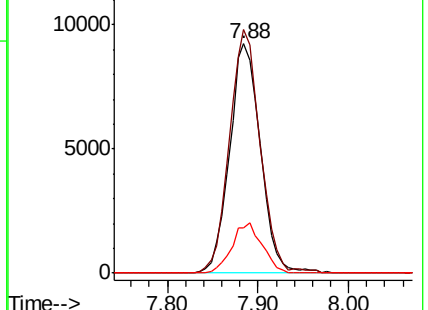
192 21.3 16.4 24.6

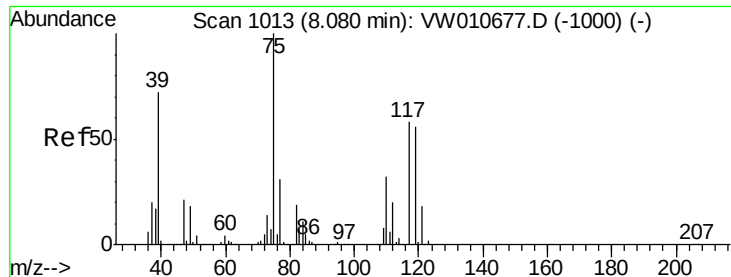


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

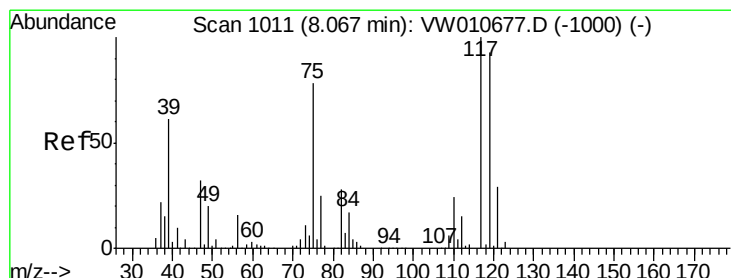
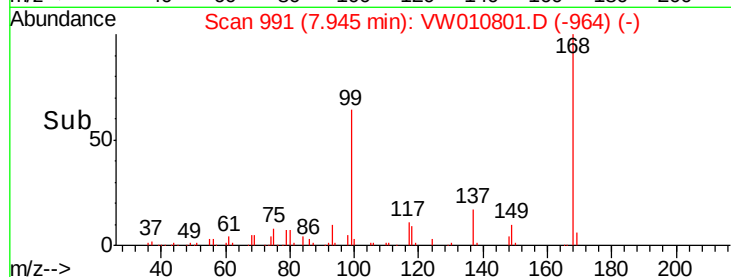
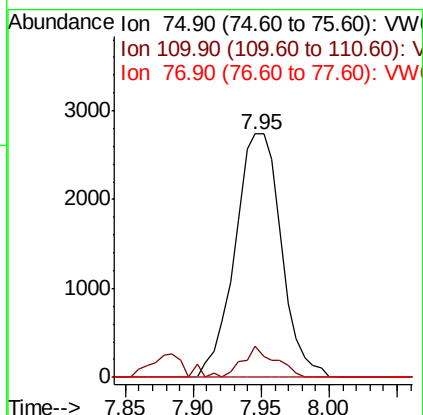
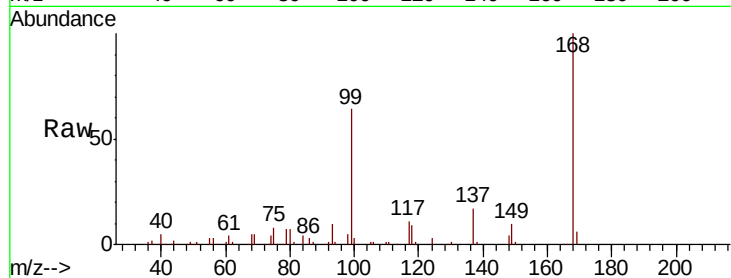




#36
 1,1-Dichloropropene
 Concen: 5.200 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010801.D
 Acq: 13 Jun 2019 16:51

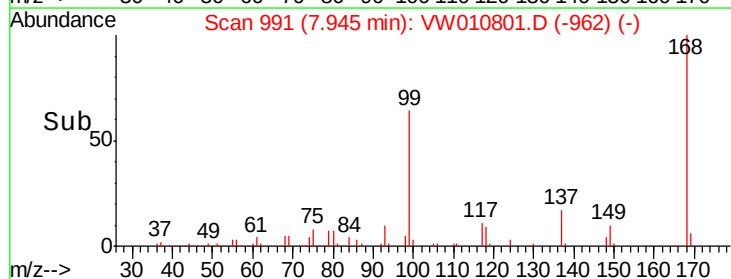
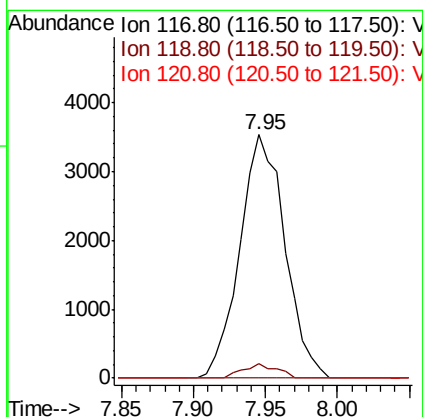
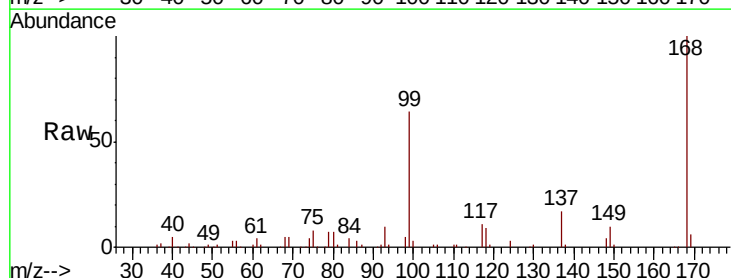
Instrument :
 MSVOA_W
 ClientSampled :

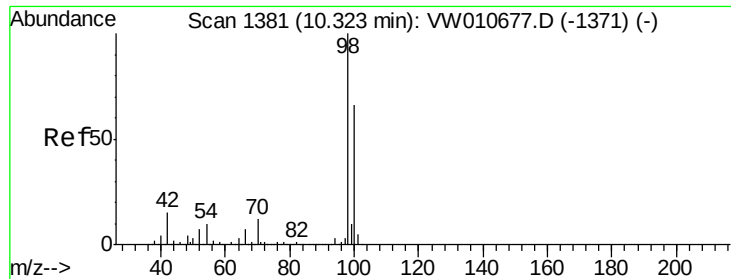
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	15.8	47.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 7.057 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010801.D
 Acq: 13 Jun 2019 16:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	74.2	111.4#
121	0.0	22.9	34.3#

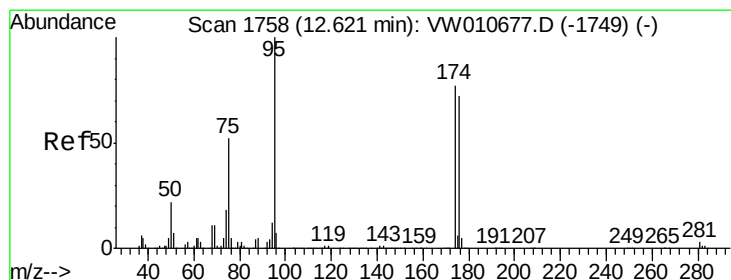
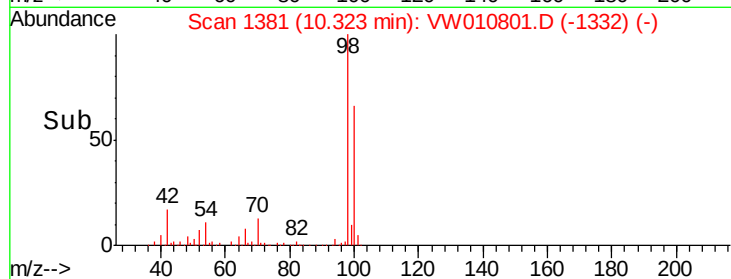
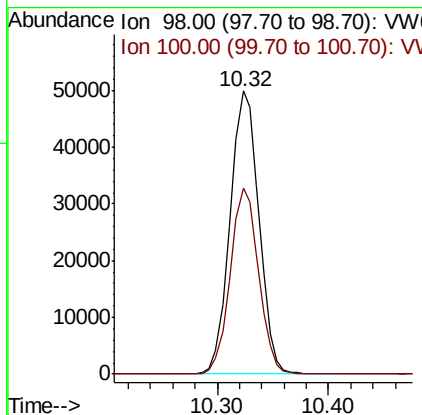
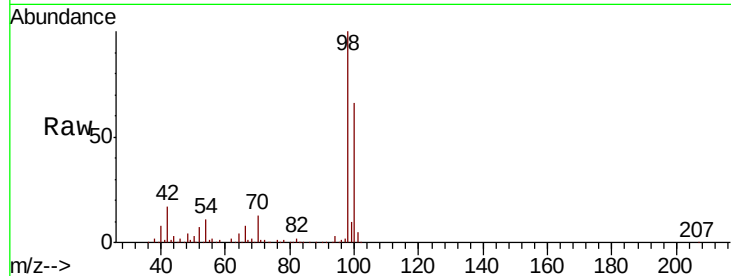




#50
Toluene-d8
Concen: 30.652 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010801.D
Acq: 13 Jun 2019 16:51

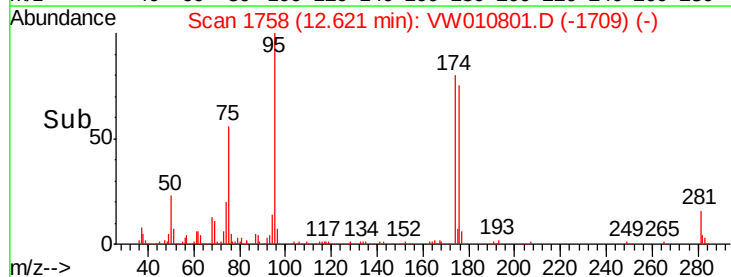
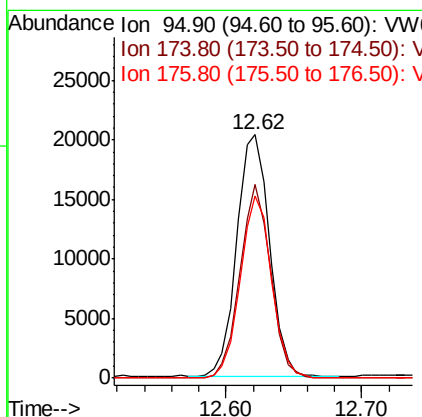
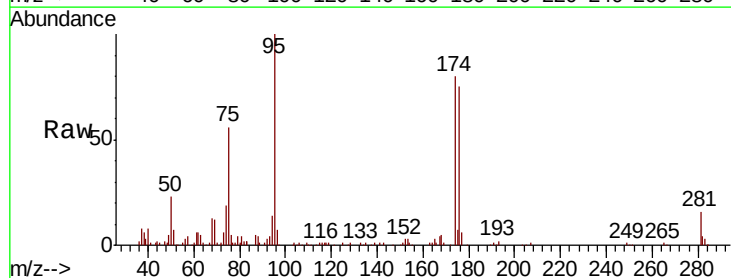
Instrument :
MSVOA_W
ClientSampled :

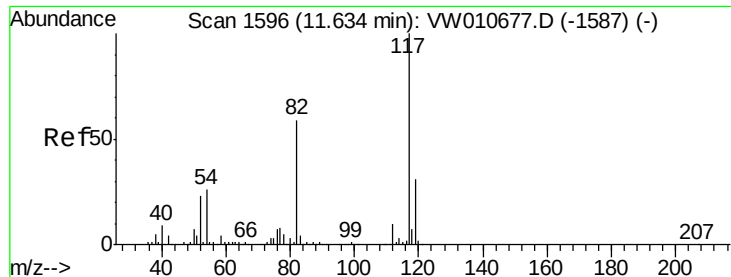
Tot Ion: 98 Resp: 89552
Ion Ratio Lower Upper
98 100
100 64.6 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 32.123 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010801.D
Acq: 13 Jun 2019 16:51

Tgt Ion: 95 Resp: 34151
Ion Ratio Lower Upper
95 100
174 74.6 0.0 150.4
176 72.1 0.0 144.8

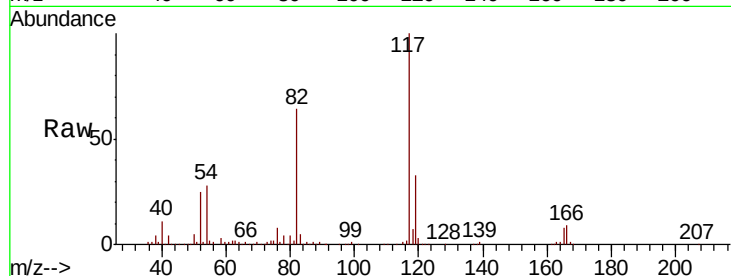




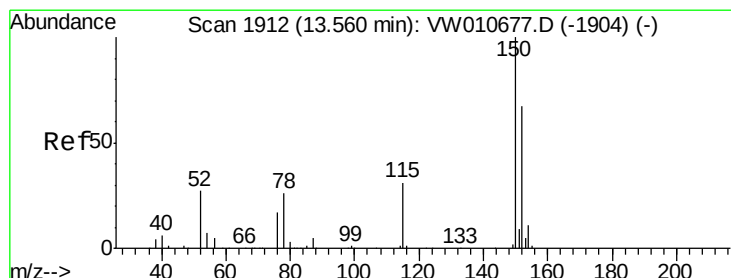
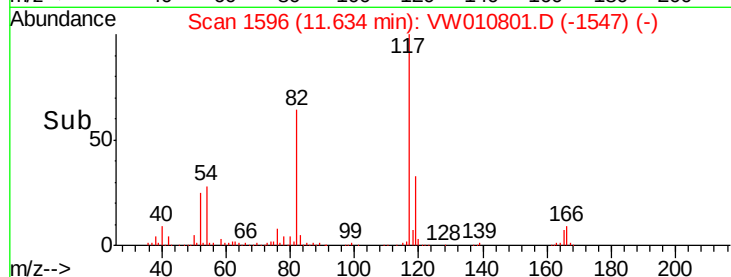
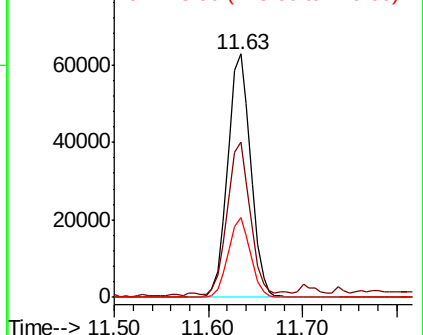
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010801.D
Acq: 13 Jun 2019 16:51

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 106802
Ion Ratio Lower Upper
117 100
82 62.0 47.0 70.4
119 32.7 25.1 37.7

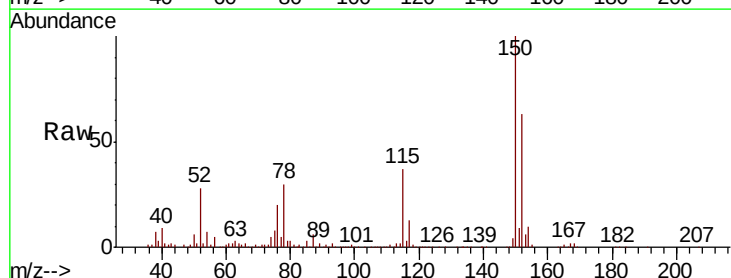


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

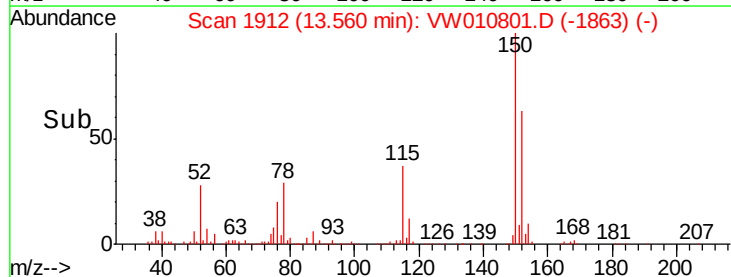
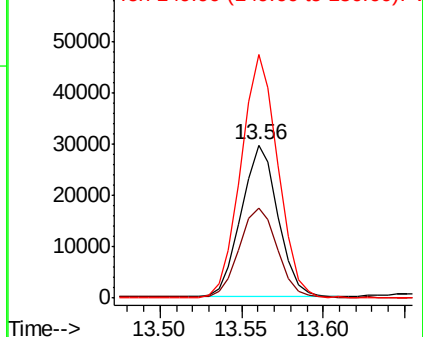


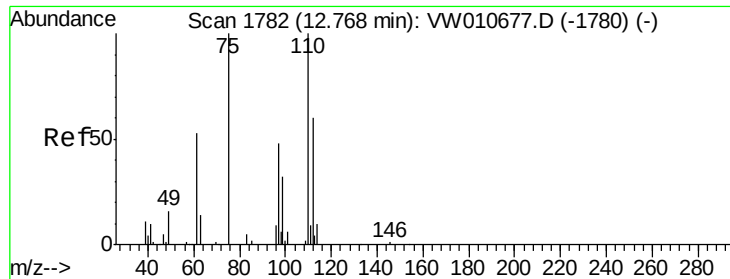
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010801.D
Acq: 13 Jun 2019 16:51

Tgt Ion:152 Resp: 46532
Ion Ratio Lower Upper
152 100
115 60.9 29.8 89.3
150 161.5 0.0 345.0



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: 38.625 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010801.D

Acq: 13 Jun 2019 16:51

Instrument :

MSVOA_W

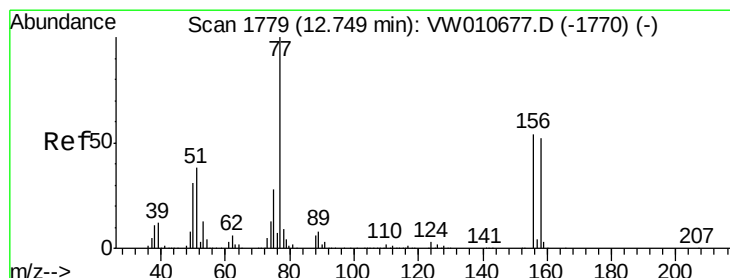
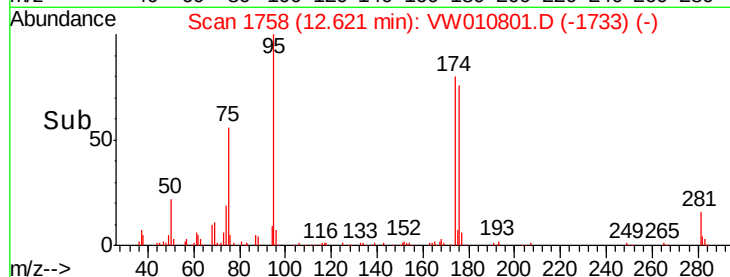
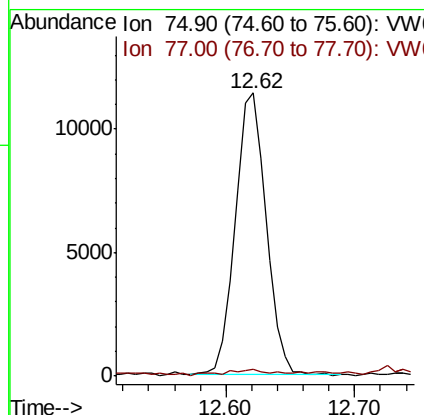
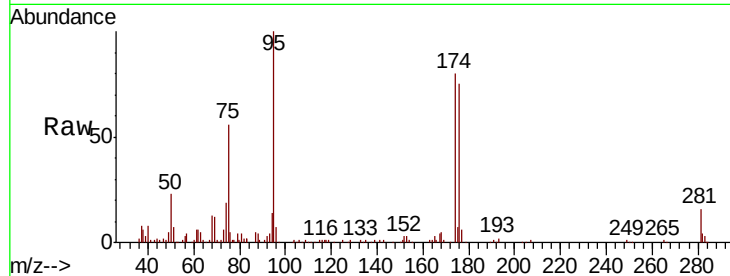
ClientSampled :

Tot Ion: 75 Resp: 18874

Ion Ratio Lower Upper

75 100

77 4.0 0.0 0.0#



#77

Bromobenzene

Concen: 7.738 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.14 min

Lab File: VW010801.D

Acq: 13 Jun 2019 16:51

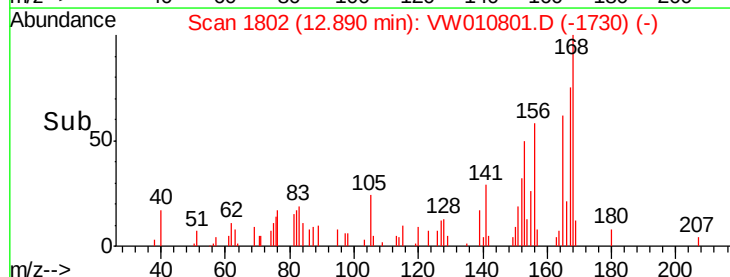
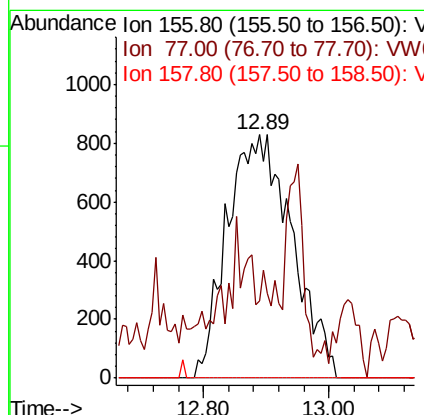
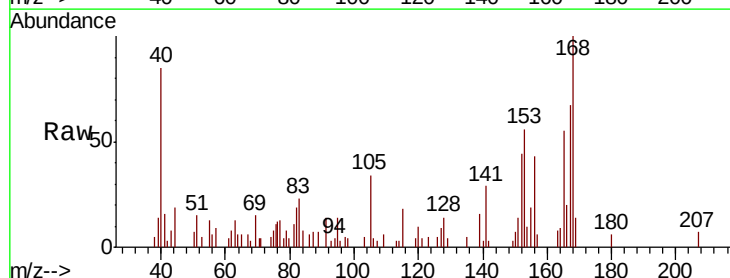
Tgt Ion: 156 Resp: 5906

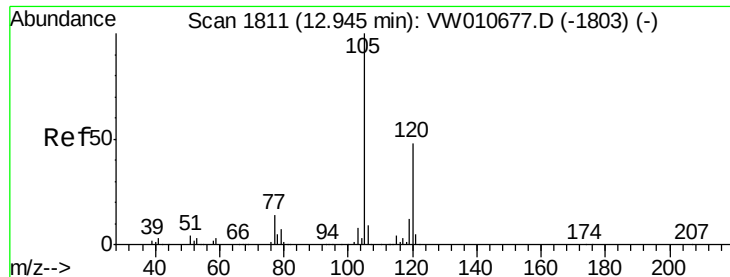
Ion Ratio Lower Upper

156 100

77 0.0 106.5 319.4#

158 0.0 48.3 144.9#

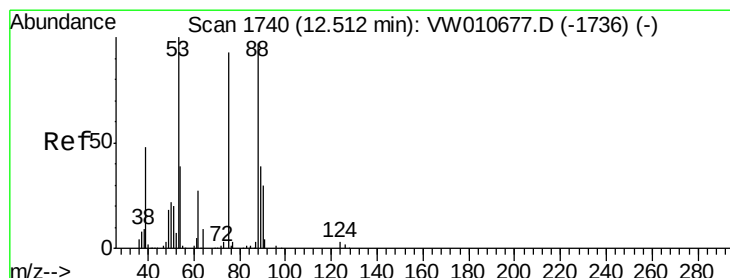
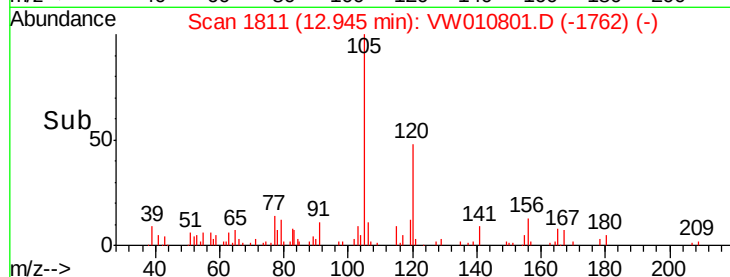
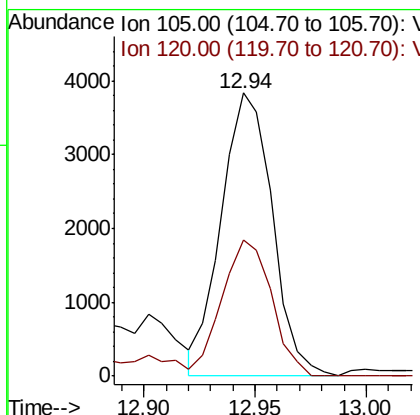
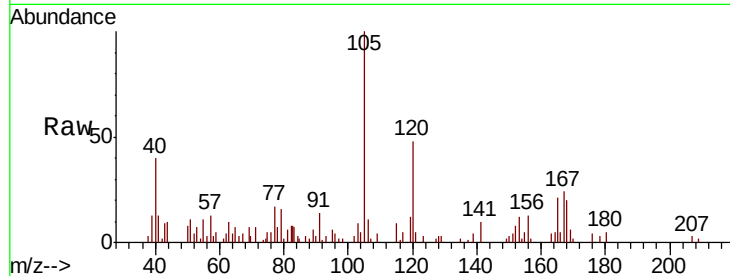




#80
 1,3,5-Trimethylbenzene
 Concen: 2.142 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW010801.D
 Acq: 13 Jun 2019 16:51

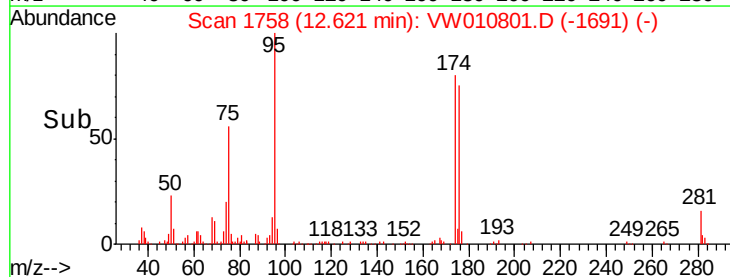
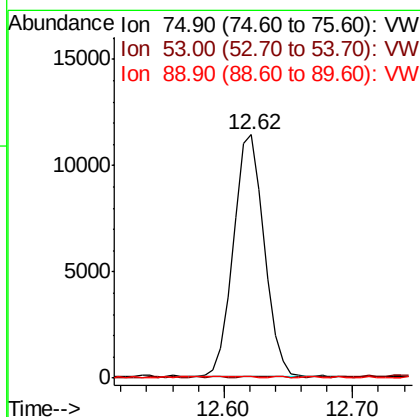
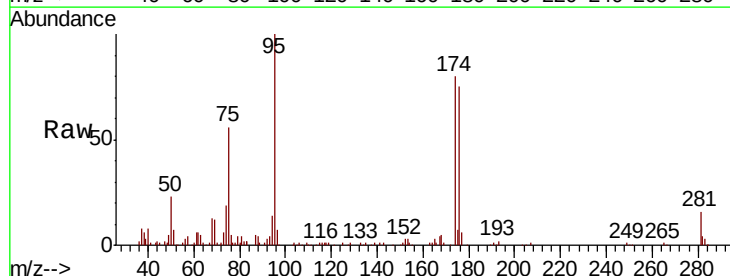
Instrument :
 MSVOA_W
 ClientSampled :

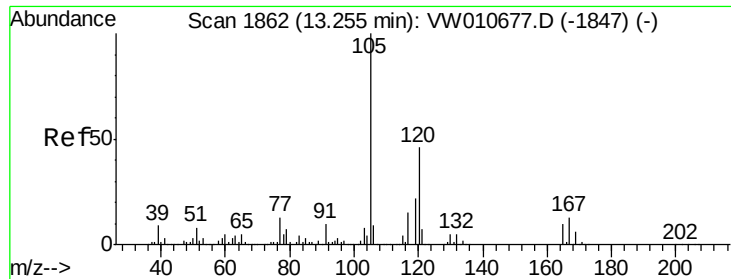
Tot Ion:105 Resp: 6131
 Ion Ratio Lower Upper
 105 100
 120 46.6 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.773 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW010801.D
 Acq: 13 Jun 2019 16:51

Tgt Ion: 75 Resp: 18874
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.1 135.1#
 89 0.5 34.6 52.0#

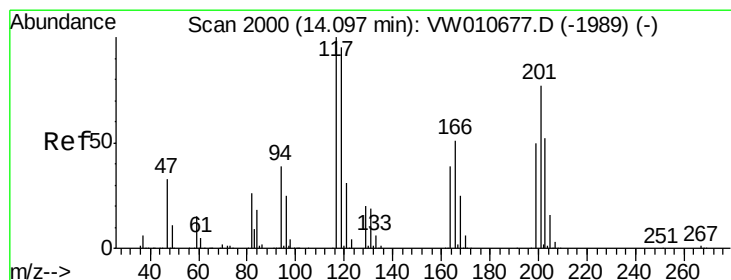
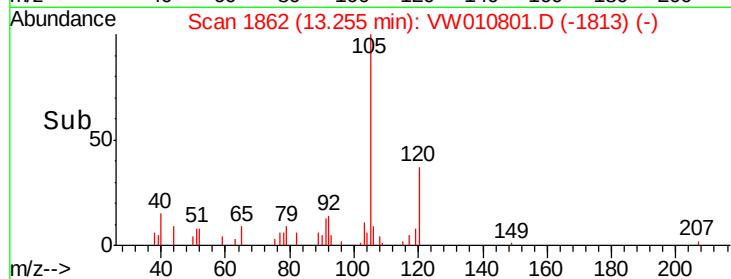
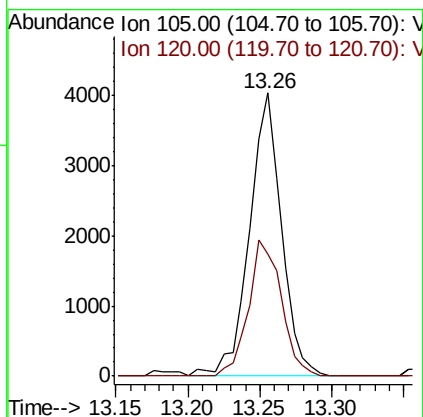
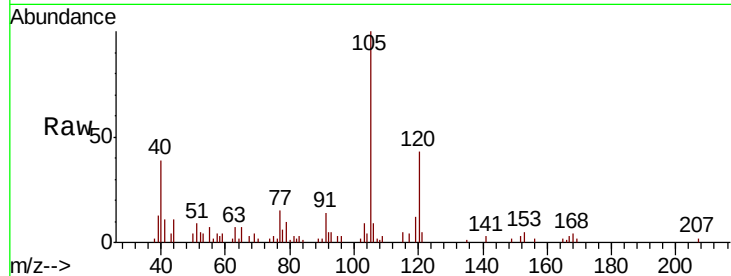




#84
 1,2,4-Trimethylbenzene
 Concen: 2.146 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010801.D
 Acq: 13 Jun 2019 16:51

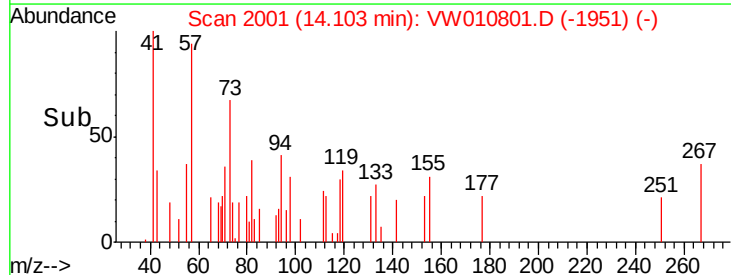
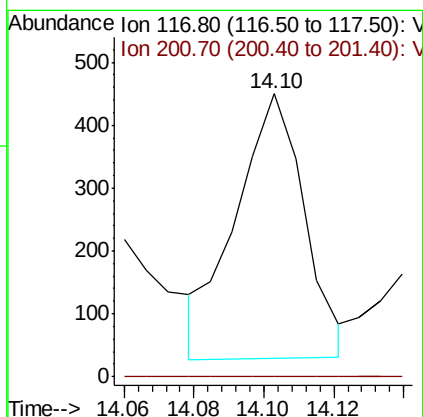
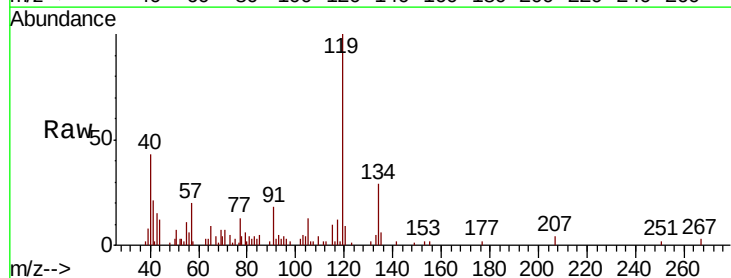
Instrument :
 MSVOA_W
 ClientSampled :

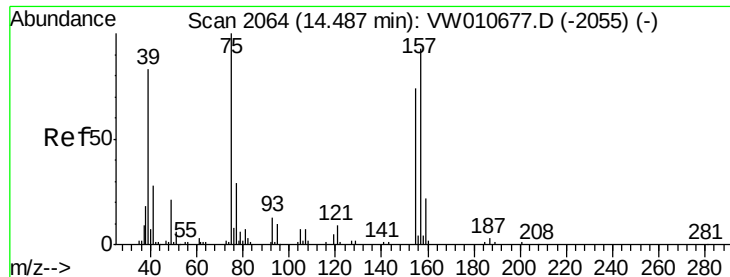
Tot Ion:105 Resp: 6182
 Ion Ratio Lower Upper
 105 100
 120 49.1 22.5 67.5



#90
 Hexachloroethane
 Concen: 1.012 ug/l
 RT: 14.10 min Scan# 2001
 Delta R.T. 0.01 min
 Lab File: VW010801.D
 Acq: 13 Jun 2019 16:51

Tgt Ion:117 Resp: 573
 Ion Ratio Lower Upper
 117 100
 201 0.0 38.8 116.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.295 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW010801.D

Acq: 13 Jun 2019 16:51

Instrument :

MSVOA_W

ClientSampleId :

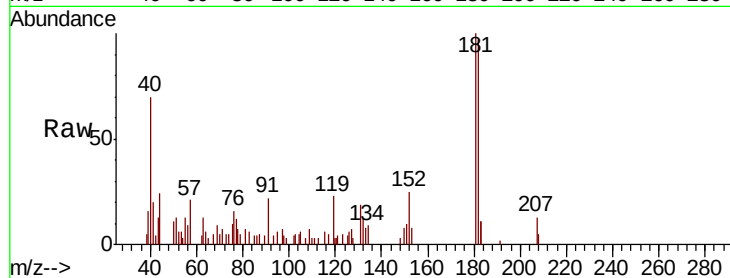
Tot Ion: 75 Resp: 148

Ion Ratio Lower Upper

75 100

155 16.9 38.8 116.4#

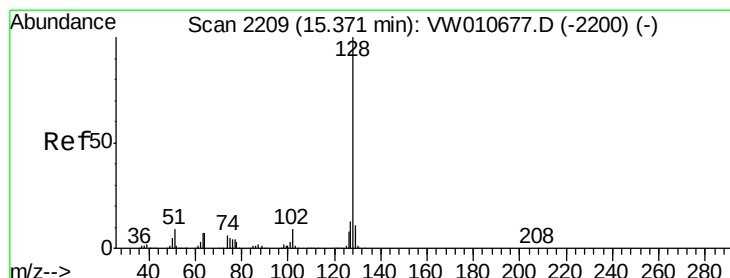
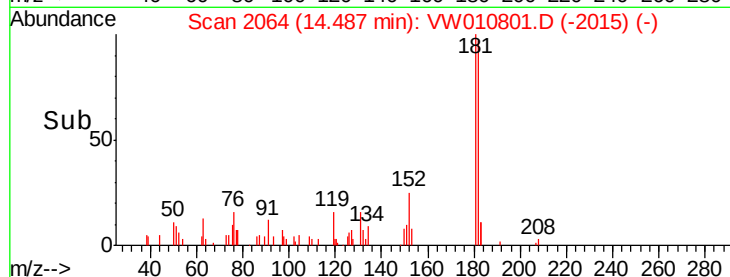
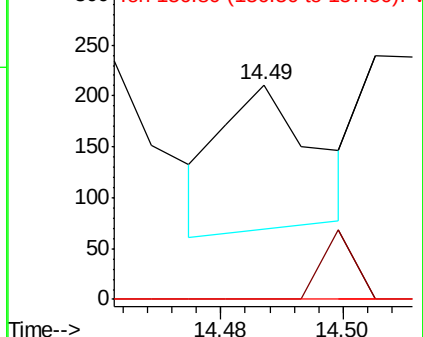
157 0.0 48.4 145.0#



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



#95

Naphthalene

Concen: 5.346 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010801.D

Acq: 13 Jun 2019 16:51

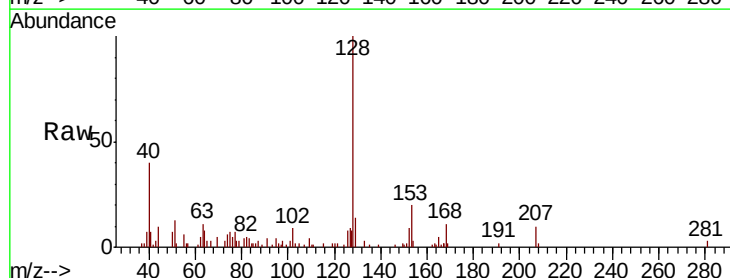
Tgt Ion: 128 Resp: 9022

Ion Ratio Lower Upper

128 100

127 15.2 10.6 15.8

129 13.0 8.6 13.0#



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

