

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
 Data File : VW000982.D
 Acq On : 25 Jan 2018 06:09
 Operator : JC/SY
 Sample : J1289-19
 Misc : 5.19G/5.0ML/MSVOA_W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-55-8.5-9.0

Quant Time: Jan 25 06:52:29 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 13:31:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	169748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	249825	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	209139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	71399	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	108903	66.93	ug/l	0.00
Spiked Amount			Recovery	=	133.86%	
35) Dibromofluoromethane	7.88	113	95382	62.32	ug/l	0.00
Spiked Amount			Recovery	=	124.64%	
50) Toluene-d8	10.34	98	300522	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.63	95	83396	37.95	ug/l	0.00
Spiked Amount			Recovery	=	75.90%	

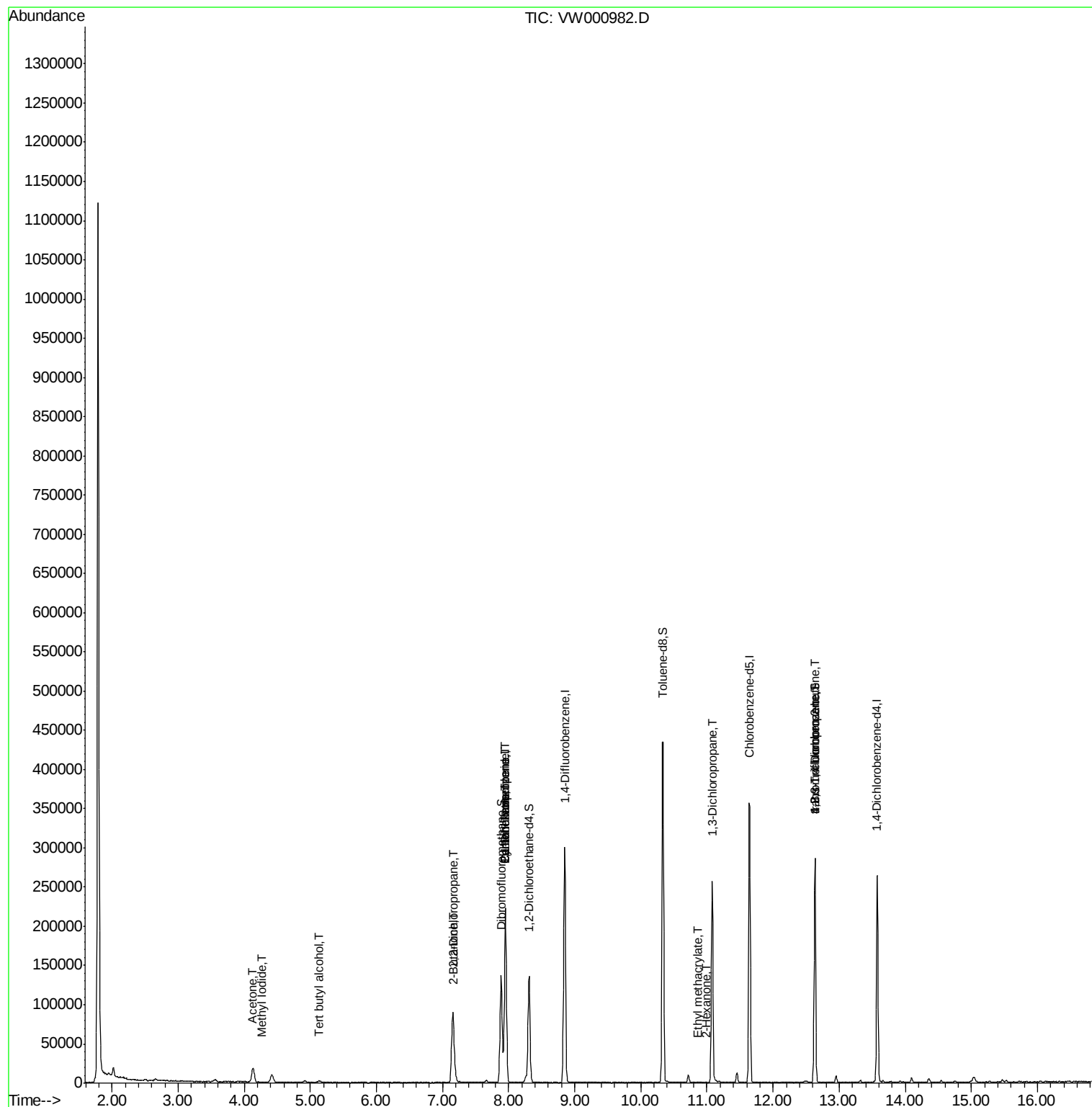
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.27	142	497	5.12	ug/l #	74
11) Tert butyl alcohol	5.12	59	901	5.11	ug/l #	76
16) Acetone	4.14	43	30854	58.38	ug/l	97
20) Methylene Chloride	4.93	84	1868	Below Cal	#	70
25) 2-Butanone	7.18	43	12302	17.09	ug/l	96
26) 2,2-Dichloropropane	7.15	77	6105	2.35	ug/l #	52
31) Cyclohexane	7.95	56	3374	1.27	ug/l #	23
36) 1,1-Dichloropropene	7.95	75	12568	5.27	ug/l #	48
38) Carbon Tetrachloride	7.95	117	15682	5.96	ug/l #	17
56) Ethyl methacrylate	10.87	69	20	3.26	ug/l #	1
57) 1,3-Dichloropropane	11.08	76	2385	1.08	ug/l #	42
59) 2-Hexanone	10.99	43	185	14.82	ug/l #	24
76) 1,2,3-Trichloropropane	12.63	75	42338	51.24	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	42338	121.44	ug/l #	11

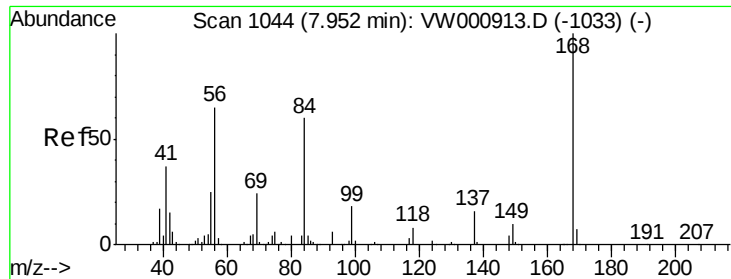
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
Data File : VW000982.D
Acq On : 25 Jan 2018 06:09
Operator : JC/SY
Sample : J1289-19
Misc : 5.19G/5.0ML/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-55-8.5-9.0

Quant Time: Jan 25 06:52:29 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 23 13:31:00 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW000982.D

Acq: 25 Jan 2018 06:09

Instrument :

MSVOA_W

ClientSampleId :

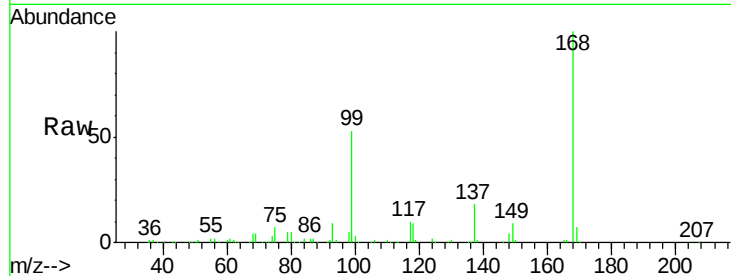
SB-55-8.5-9.0

Tgt Ion:168 Resp: 169748

Ion Ratio Lower Upper

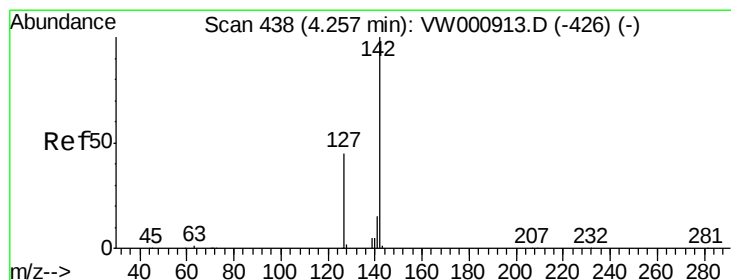
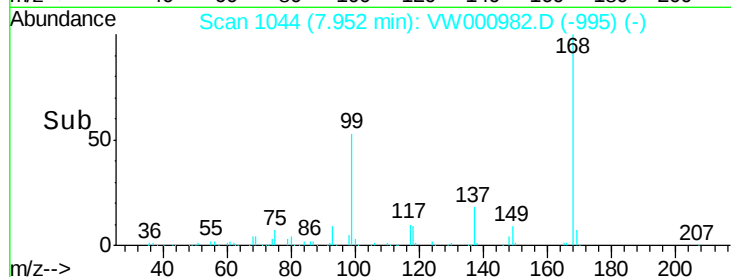
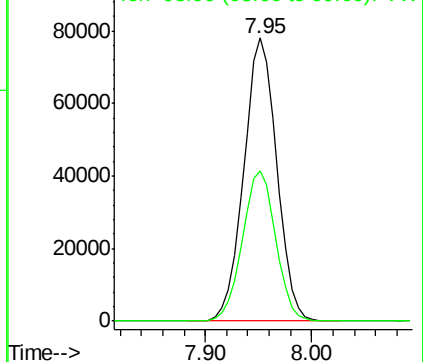
168 100

99 53.2 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#10

Methyl Iodide

Concen: 5.12 ug/l

RT: 4.27 min Scan# 440

Delta R.T. 0.01 min

Lab File: VW000982.D

Acq: 25 Jan 2018 06:09

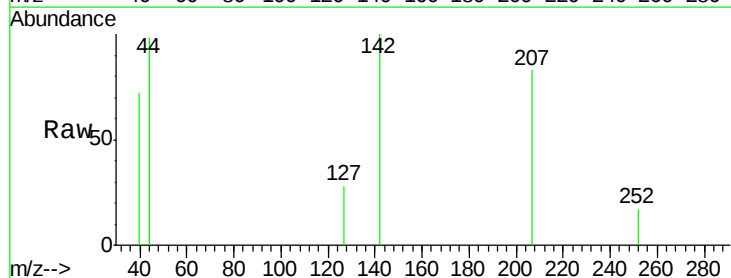
Tgt Ion:142 Resp: 497

Ion Ratio Lower Upper

142 100

127 29.6 35.5 53.3#

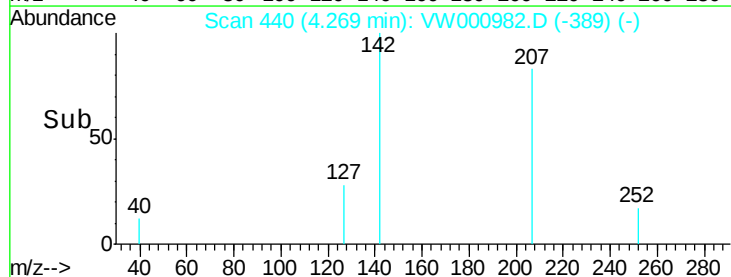
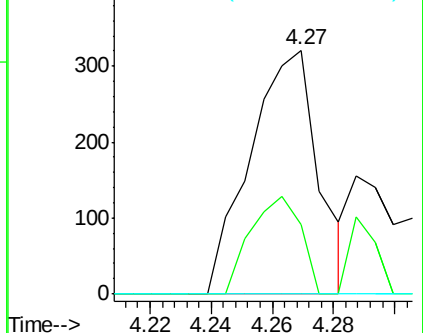
141 0.0 11.7 17.5#

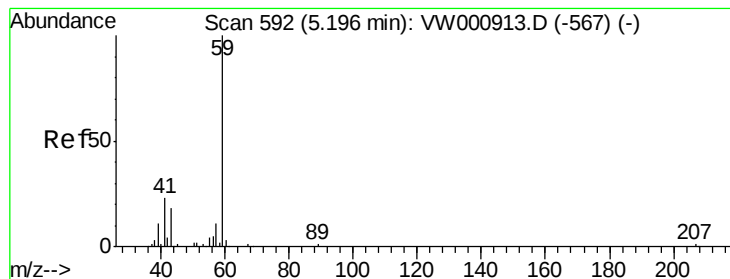


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 5.11 ug/l

RT: 5.12 min Scan# 579

Delta R.T. -0.08 min

Lab File: VW000982.D

Acq: 25 Jan 2018 06:09

Instrument :

MSVOA_W

ClientSampleId :

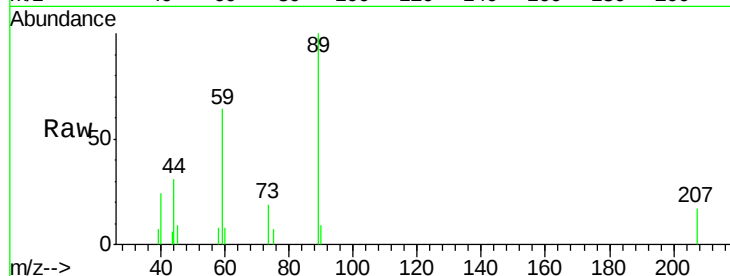
SB-55-8.5-9.0

Tgt Ion: 59 Resp: 901

Ion Ratio Lower Upper

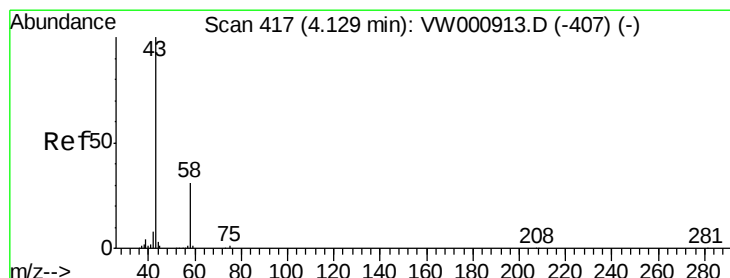
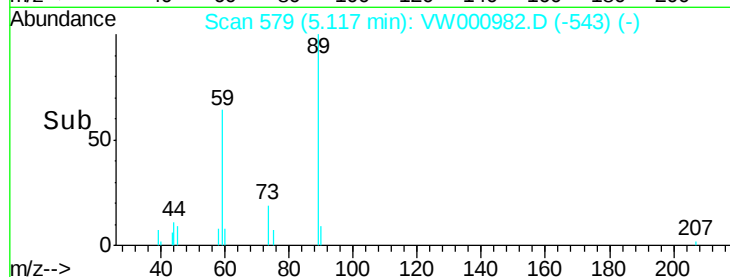
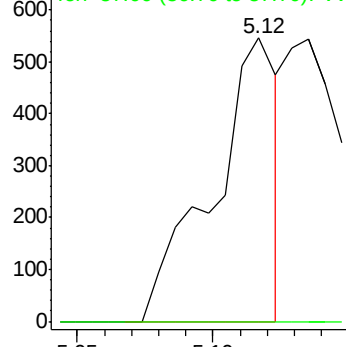
59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#16

Acetone

Concen: 58.38 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.01 min

Lab File: VW000982.D

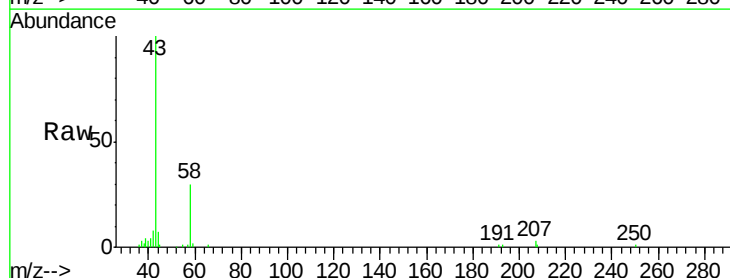
Acq: 25 Jan 2018 06:09

Tgt Ion: 43 Resp: 30854

Ion Ratio Lower Upper

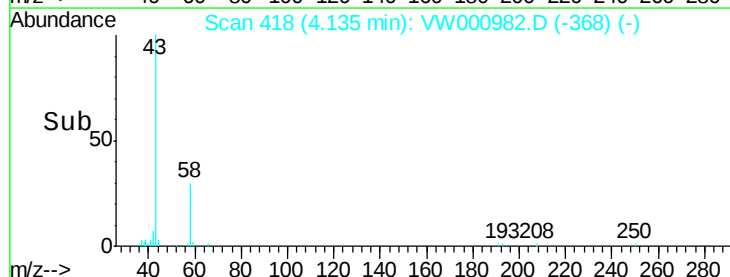
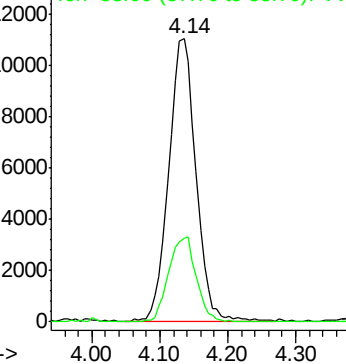
43 100

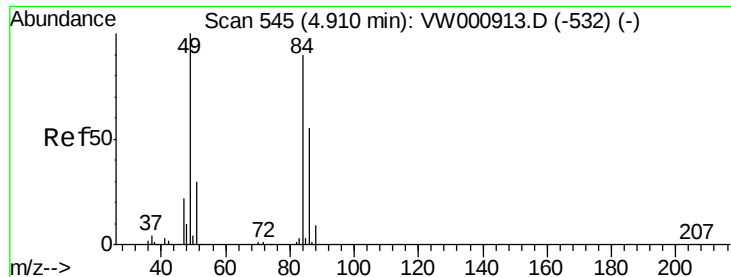
58 29.7 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

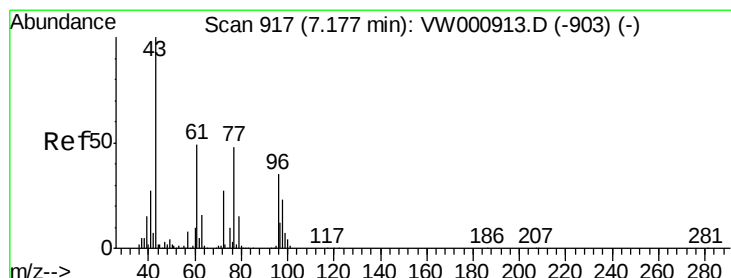
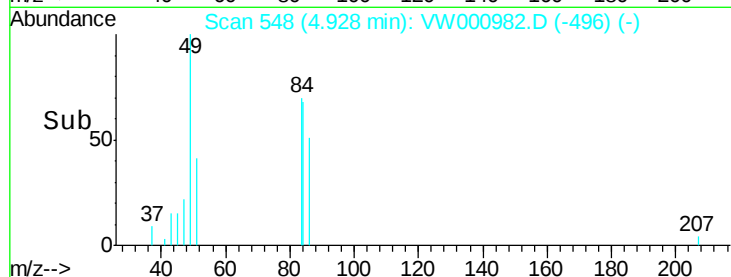
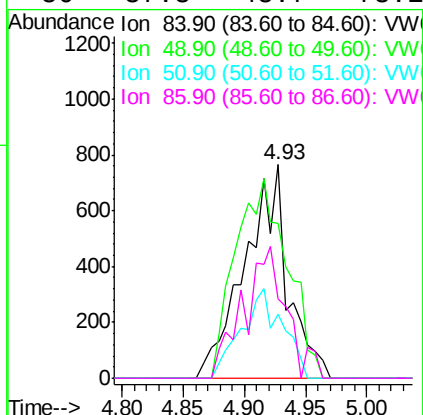
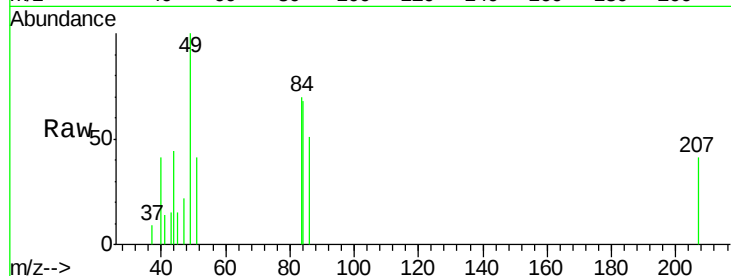




#20
Methylene Chloride
Concen: Below Cal
RT: 4.93 min Scan# 548
Delta R.T. 0.02 min
Lab File: VW000982.D
Acq: 25 Jan 2018 06:09

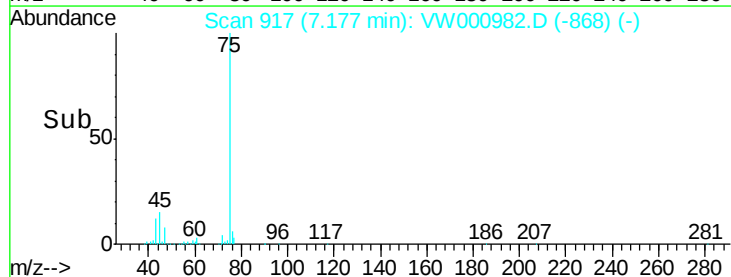
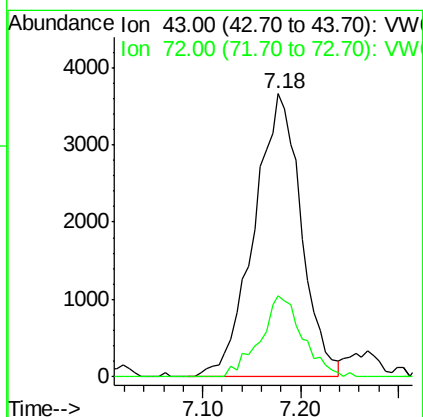
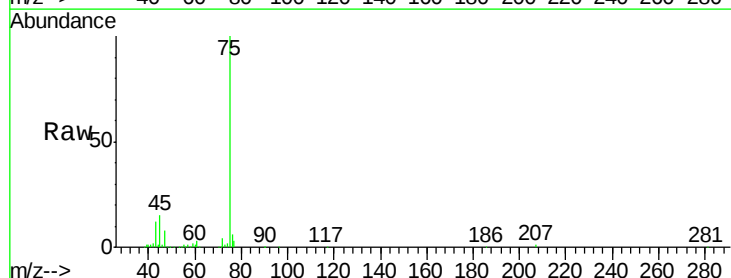
Instrument :
MSVOA_W
ClientSampleId :
SB-55-8.5-9.0

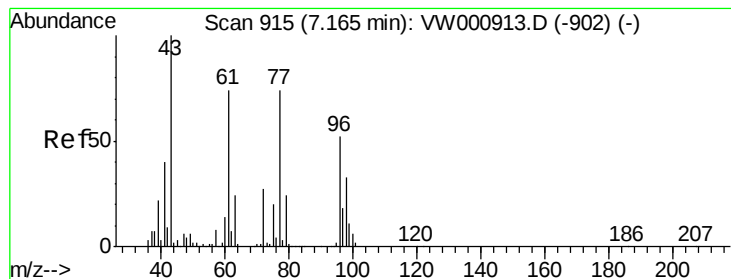
Tgt Ion: 84 Resp: 1868
Ion Ratio Lower Upper
84 100
49 72.5 89.0 133.4#
51 30.1 26.7 40.1
86 37.3 48.7 73.1#



#25
2-Butanone
Concen: 17.09 ug/l
RT: 7.18 min Scan# 917
Delta R.T. -0.00 min
Lab File: VW000982.D
Acq: 25 Jan 2018 06:09

Tgt Ion: 43 Resp: 12302
Ion Ratio Lower Upper
43 100
72 28.9 21.5 32.3





#26

2,2-Dichloropropane

Concen: 2.35 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.01 min

Lab File: VW000982.D

Acq: 25 Jan 2018 06:09

Instrument :

MSVOA_W

ClientSampleId :

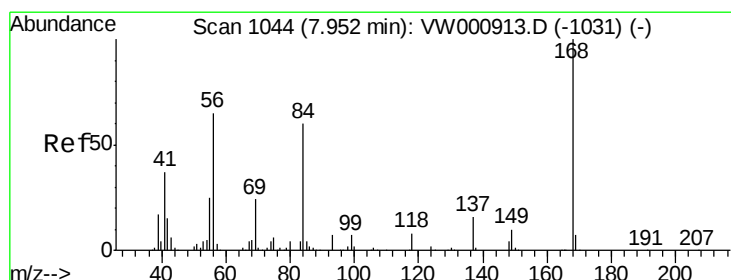
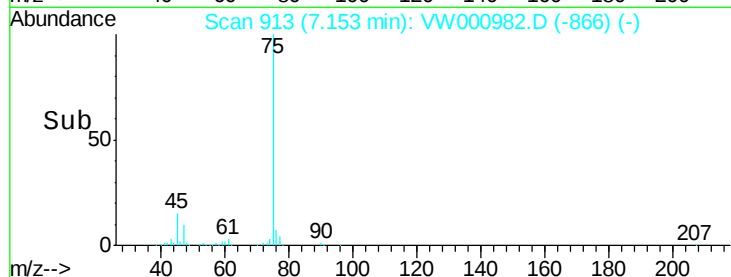
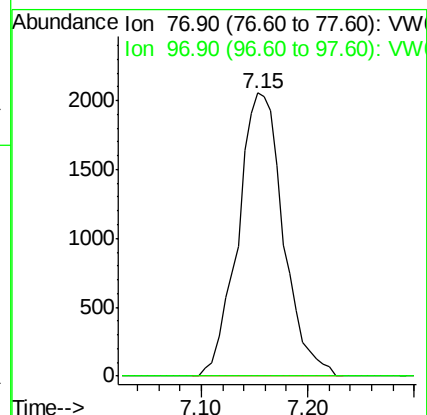
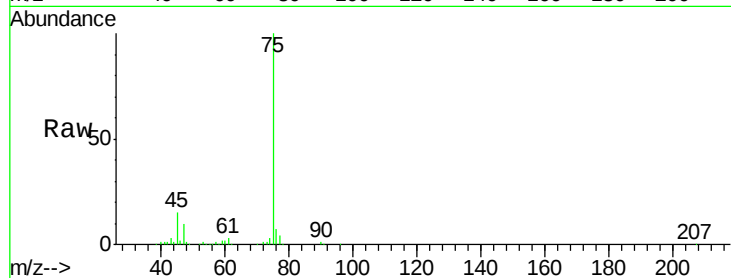
SB-55-8.5-9.0

Tgt Ion: 77 Resp: 6105

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.3#



#31

Cyclohexane

Concen: 1.27 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW000982.D

Acq: 25 Jan 2018 06:09

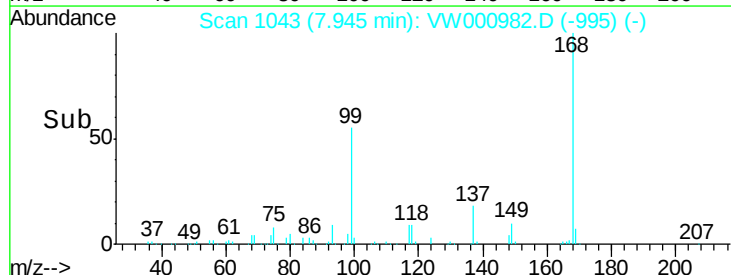
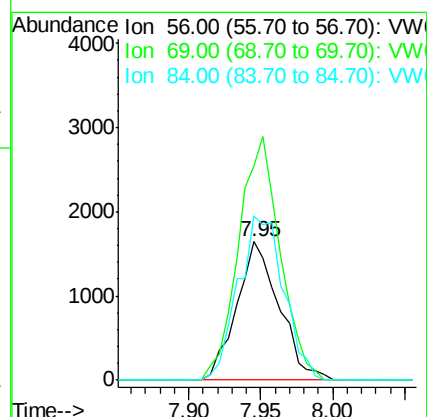
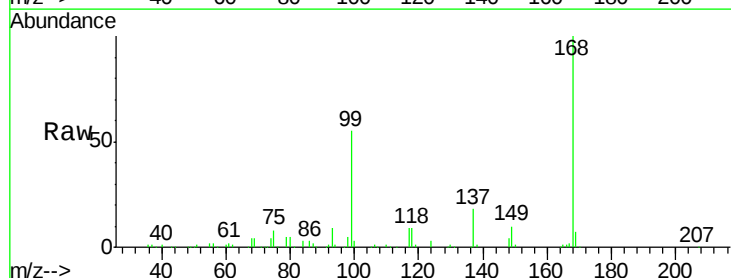
Tgt Ion: 56 Resp: 3374

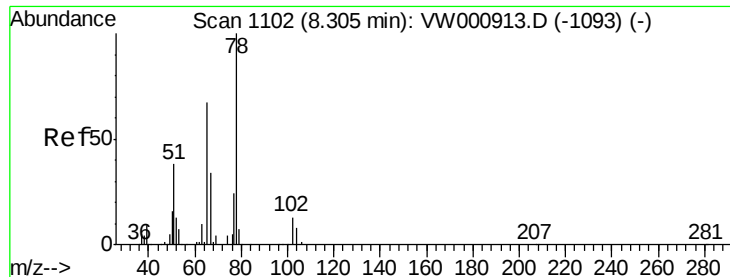
Ion Ratio Lower Upper

56 100

69 154.7 29.2 43.8#

84 118.4 73.6 110.4#





#33

1,2-Dichloroethane-d4

Concen: 66.93 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW000982.D

Acq: 25 Jan 2018 06:09

Instrument :

MSVOA_W

ClientSampleId :

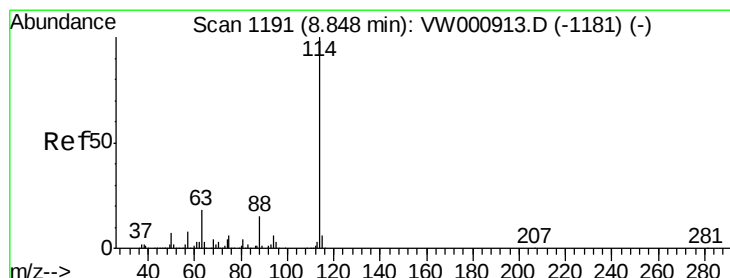
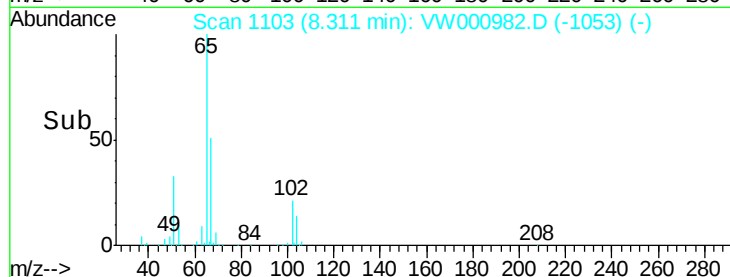
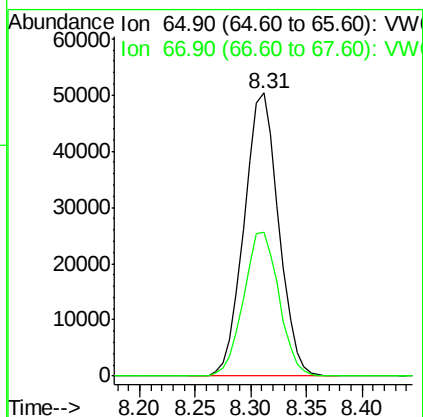
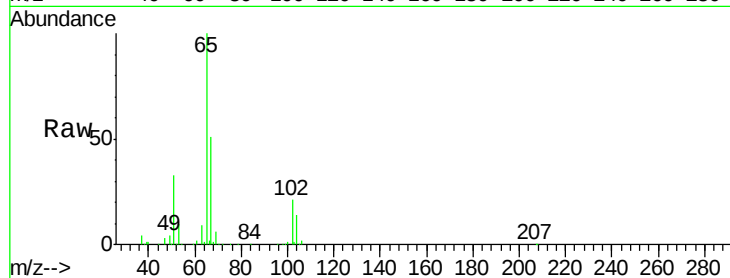
SB-55-8.5-9.0

Tgt Ion: 65 Resp: 108903

Ion Ratio Lower Upper

65 100

67 52.0 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW000982.D

Acq: 25 Jan 2018 06:09

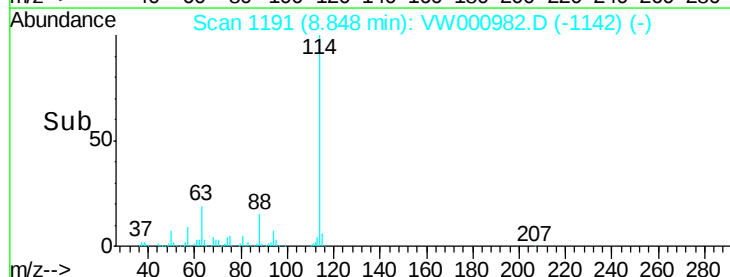
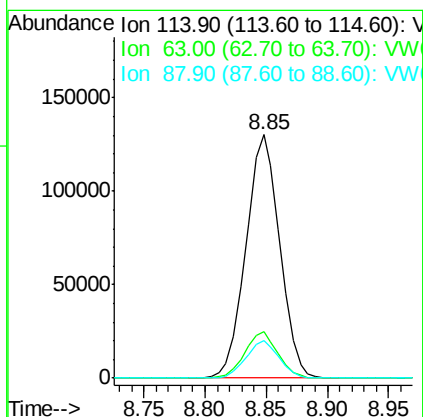
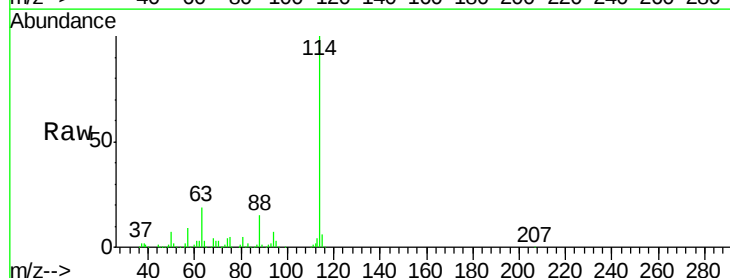
Tgt Ion: 114 Resp: 249825

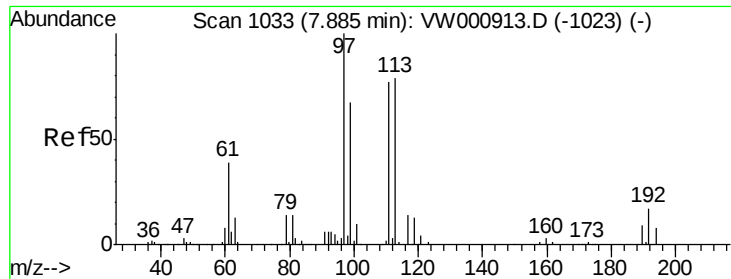
Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.8

88 15.4 0.0 29.8

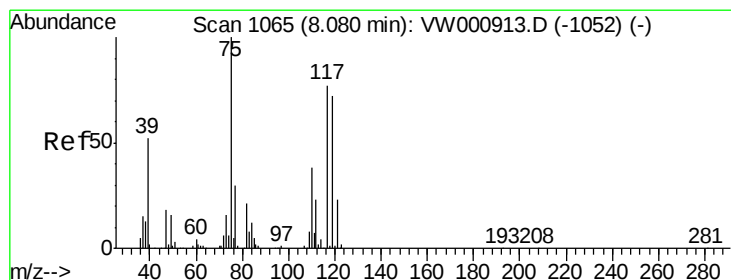
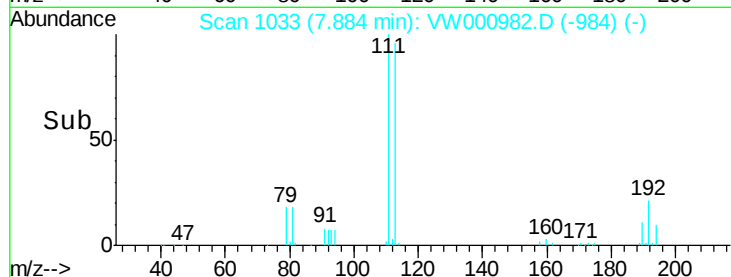
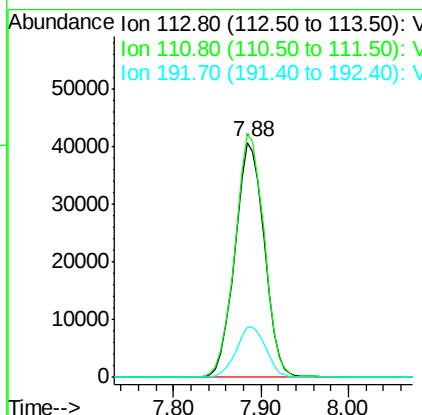
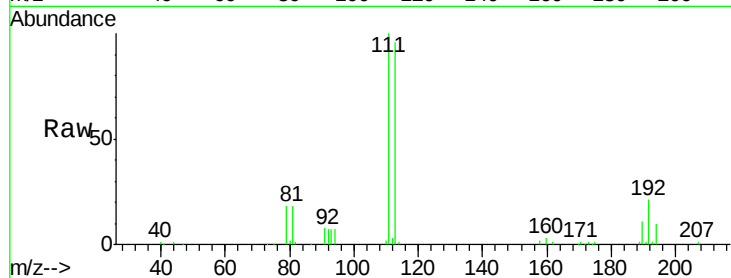




#35
 Dibromofluoromethane
 Concen: 62.32 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW000982.D
 Acq: 25 Jan 2018 06:09

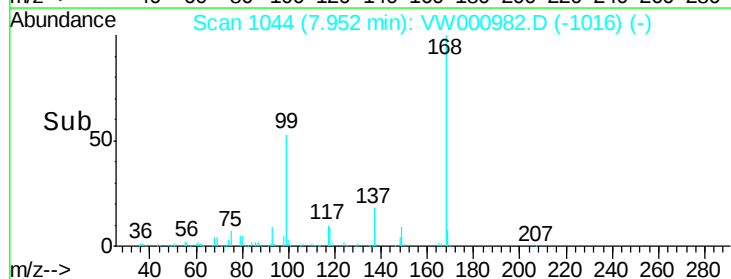
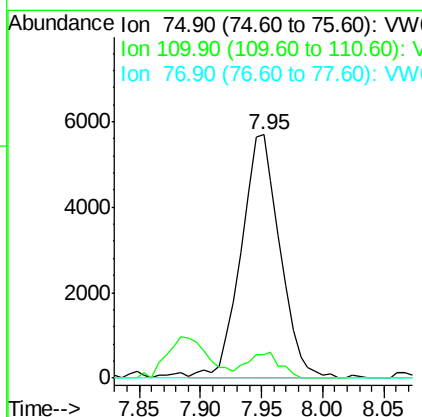
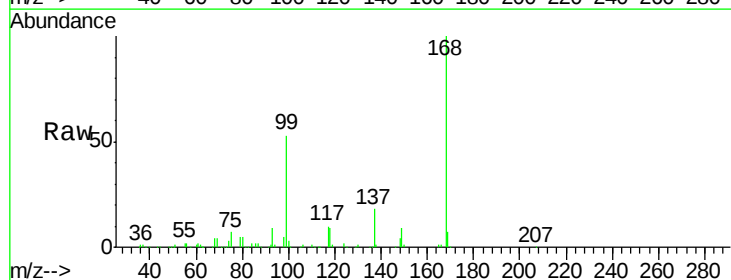
Instrument :
 MSVOA_W
 ClientSampled :
 SB-55-8.5-9.0

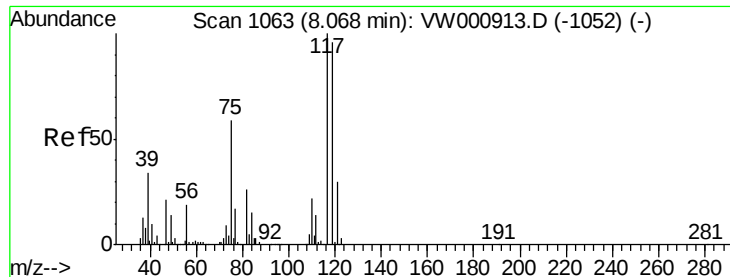
Tgt Ion:113 Resp: 95382
 Ion Ratio Lower Upper
 113 100
 111 103.1 80.4 120.6
 192 21.9 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 5.27 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW000982.D
 Acq: 25 Jan 2018 06:09

Tgt Ion: 75 Resp: 12568
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.6 56.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.96 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW000982.D

Acq: 25 Jan 2018 06:09

Instrument :

MSVOA_W

ClientSampleId :

SB-55-8.5-9.0

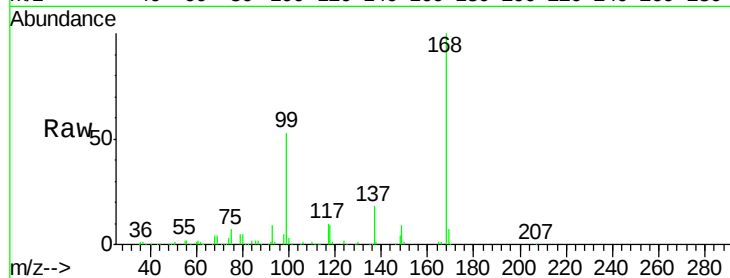
Tgt Ion: 117 Resp: 15682

Ion Ratio Lower Upper

117 100

119 6.3 76.5 114.7#

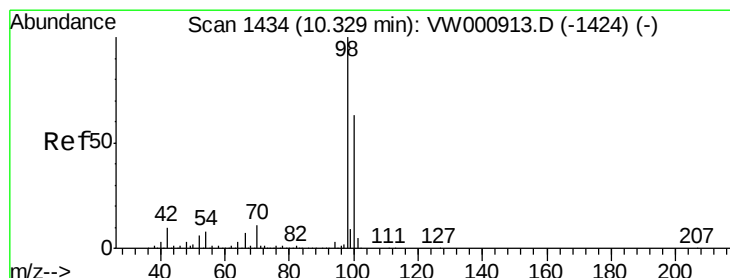
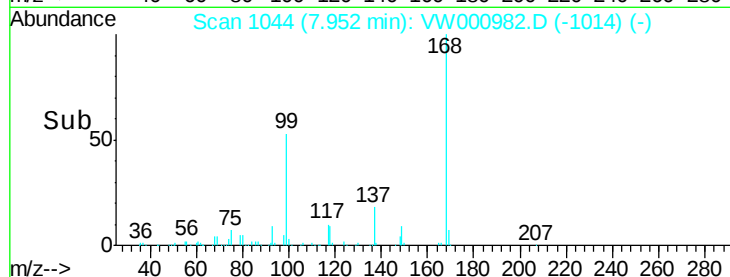
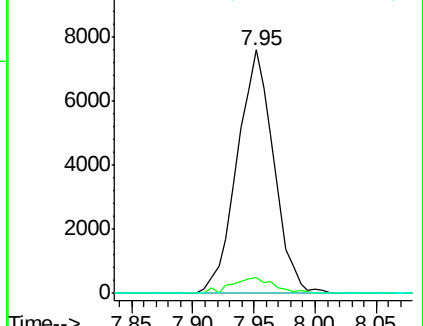
121 0.0 24.3 36.5#



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: 49.81 ug/l

RT: 10.34 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VW000982.D

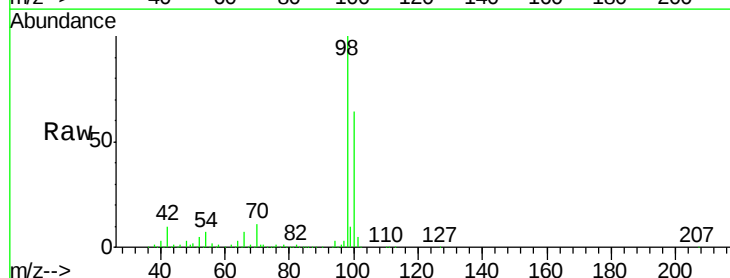
Acq: 25 Jan 2018 06:09

Tgt Ion: 98 Resp: 300522

Ion Ratio Lower Upper

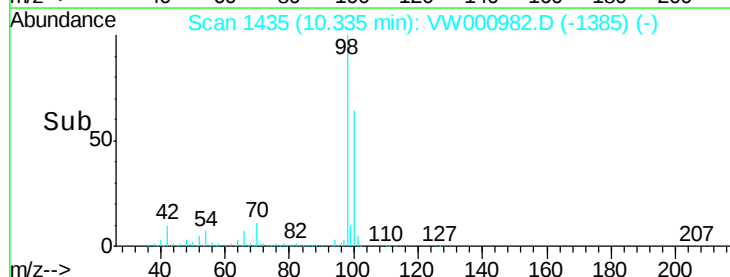
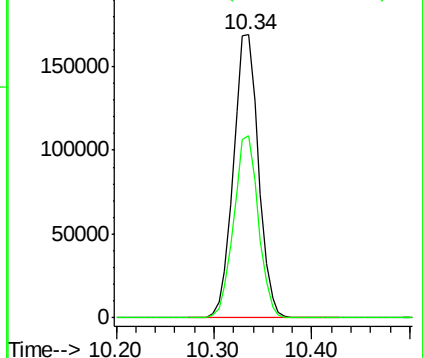
98 100

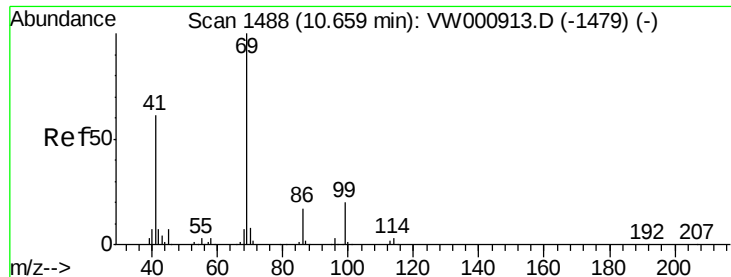
100 63.1 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#56

Ethyl methacrylate

Concen: 3.26 ug/l

RT: 10.87 min Scan# 1523

Delta R.T. 0.21 min

Lab File: VW000982.D

Acq: 25 Jan 2018 06:09

Instrument :

MSVOA_W

ClientSampleId :

SB-55-8.5-9.0

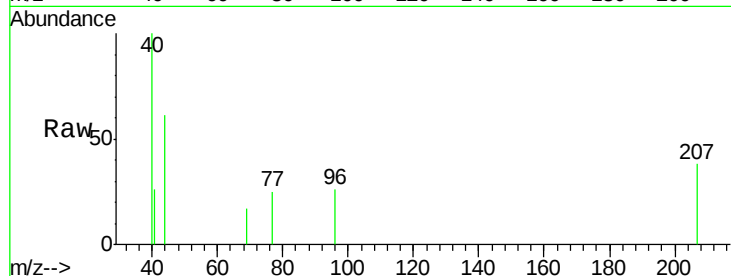
Tgt Ion: 69 Resp: 20

Ion Ratio Lower Upper

69 100

41 315.0 50.3 75.5#

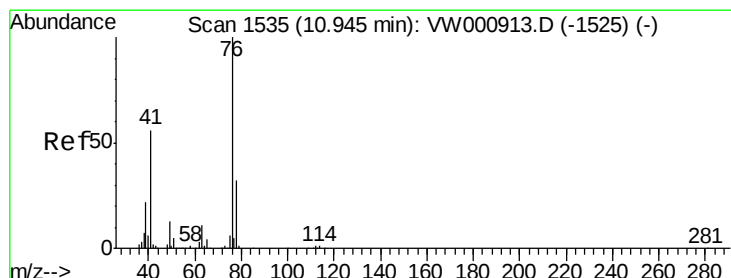
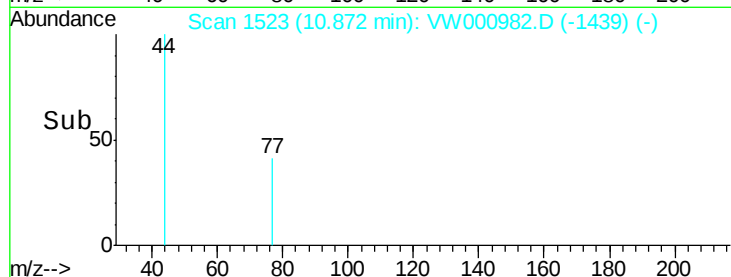
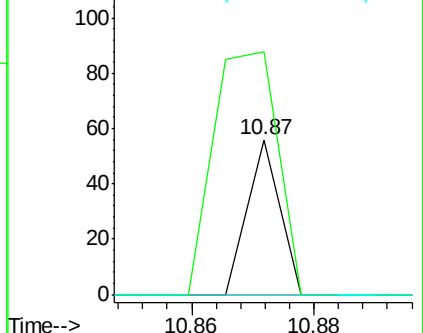
39 0.0 28.6 42.8#



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



#57

1,3-Dichloropropane

Concen: 1.08 ug/l

RT: 11.08 min Scan# 1557

Delta R.T. 0.13 min

Lab File: VW000982.D

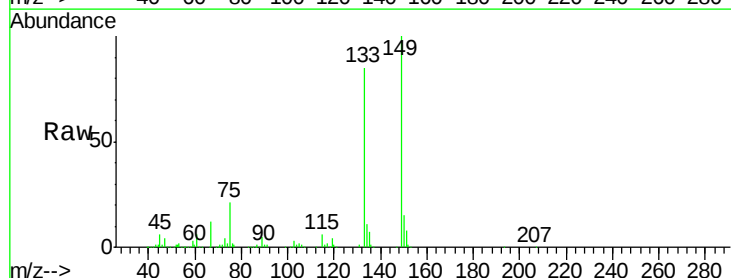
Acq: 25 Jan 2018 06:09

Tgt Ion: 76 Resp: 2385

Ion Ratio Lower Upper

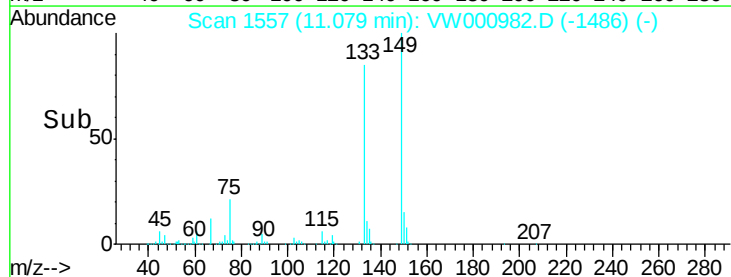
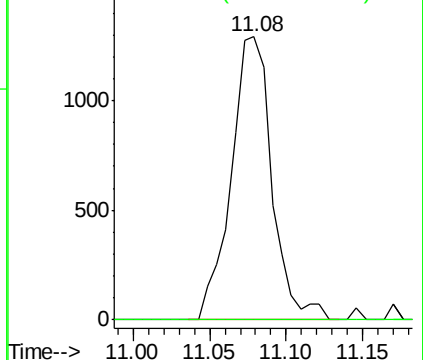
76 100

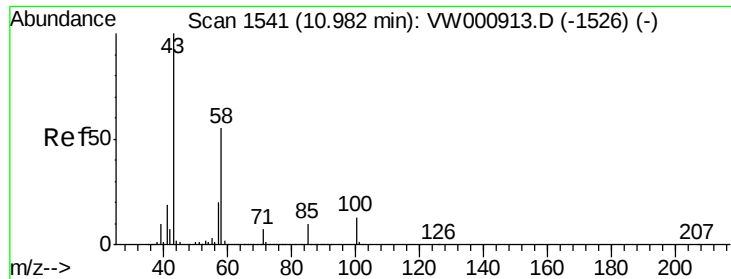
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW





#59

2-Hexanone

Concen: 14.82 ug/l

RT: 10.99 min Scan# 1543

Delta R.T. 0.01 min

Lab File: VW000982.D

Acq: 25 Jan 2018 06:09

Instrument :

MSVOA_W

ClientSampleId :

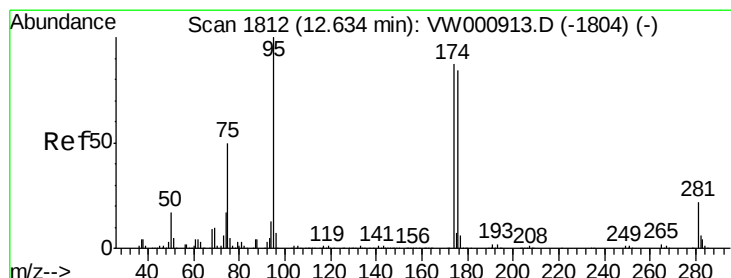
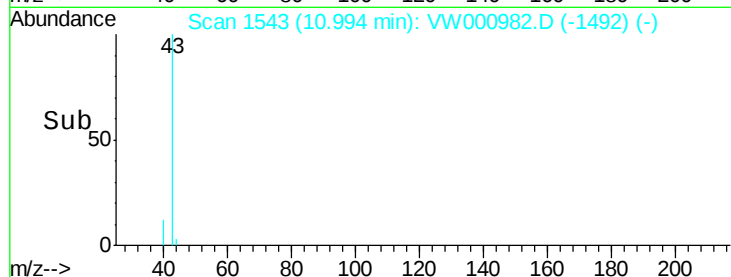
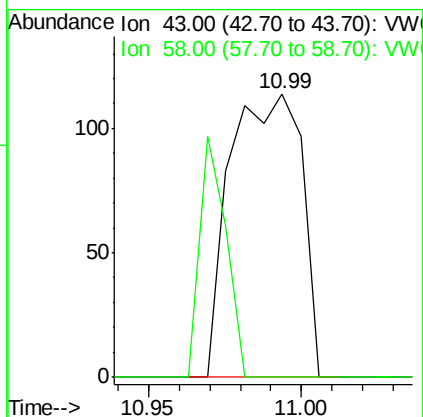
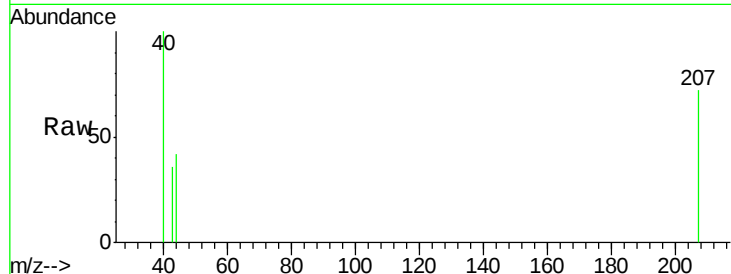
SB-55-8.5-9.0

Tgt Ion: 43 Resp: 185

Ion Ratio Lower Upper

43 100

58 0.0 27.4 82.2#



#62

4-Bromofluorobenzene

Concen: 37.95 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW000982.D

Acq: 25 Jan 2018 06:09

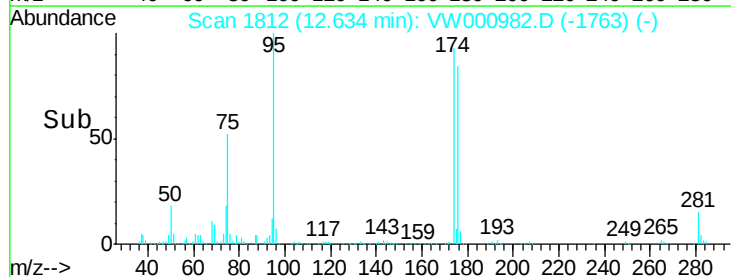
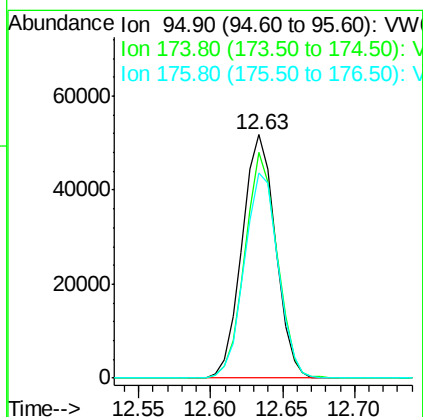
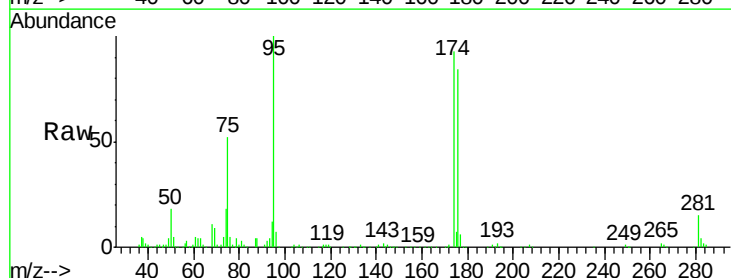
Tgt Ion: 95 Resp: 83396

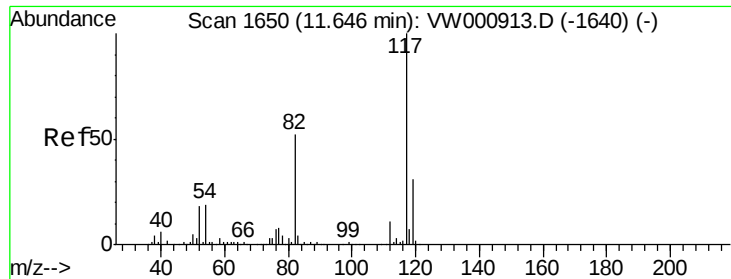
Ion Ratio Lower Upper

95 100

174 88.7 0.0 176.8

176 84.7 0.0 171.8

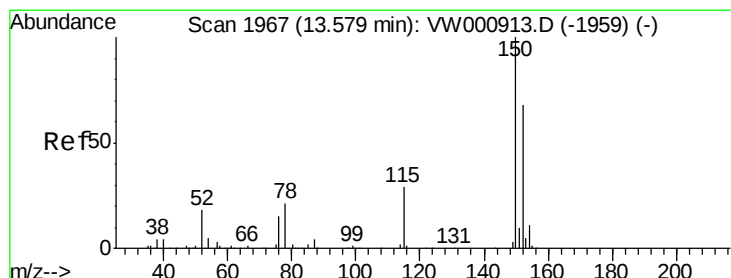
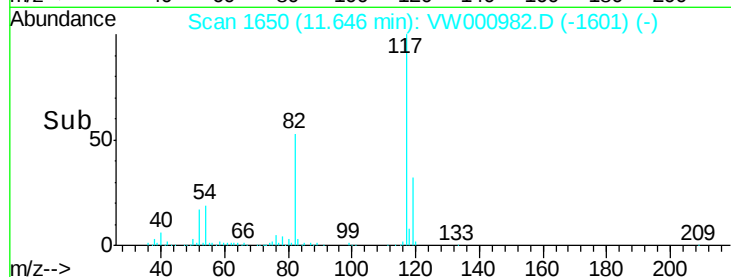
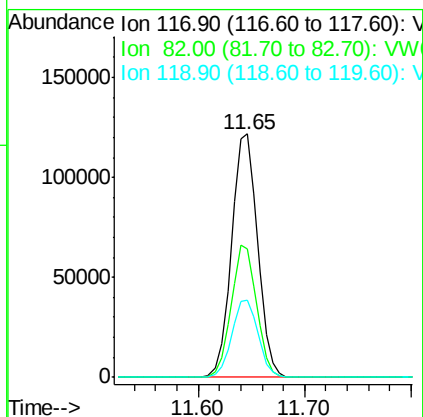
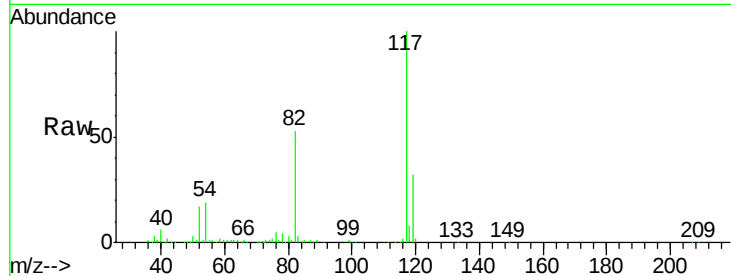




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VW000982.D
Acq: 25 Jan 2018 06:09

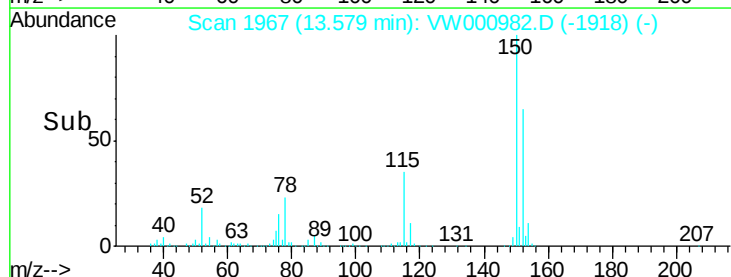
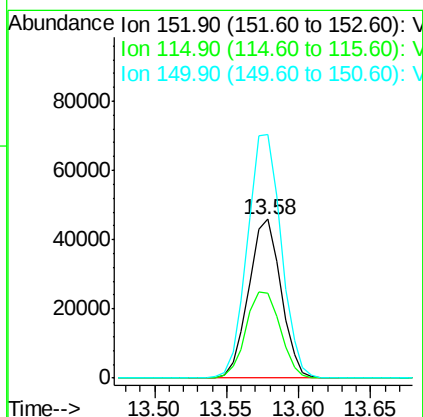
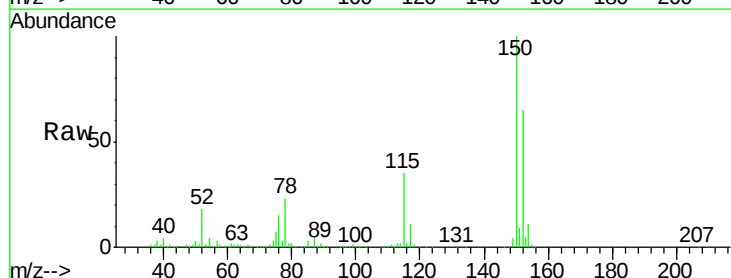
Instrument :
MSVOA_W
ClientSampleId :
SB-55-8.5-9.0

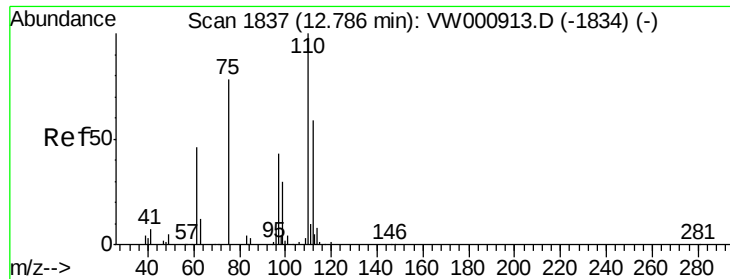
Tgt Ion:117 Resp: 209139
Ion Ratio Lower Upper
117 100
82 52.9 41.8 62.6
119 31.9 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VW000982.D
Acq: 25 Jan 2018 06:09

Tgt Ion:152 Resp: 71399
Ion Ratio Lower Upper
152 100
115 58.0 28.5 85.5
150 159.9 0.0 342.0





#76

1,2,3-Trichloropropane

Concen: 51.24 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. -0.15 min

Lab File: VW000982.D

Acq: 25 Jan 2018 06:09

Instrument :

MSVOA_W

ClientSampled :

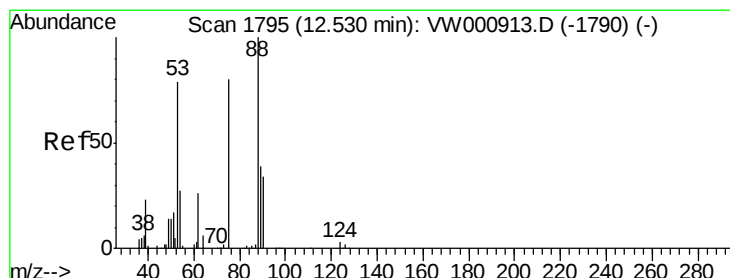
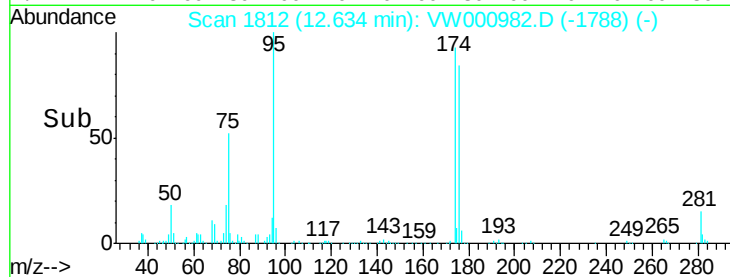
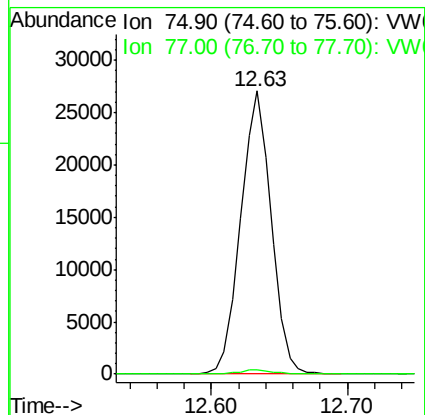
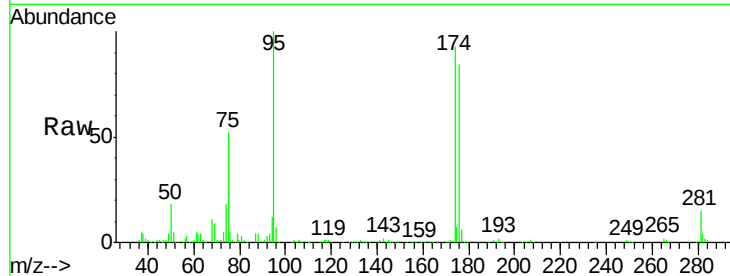
SB-55-8.5-9.0

Tgt Ion: 75 Resp: 42338

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 121.44 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.10 min

Lab File: VW000982.D

Acq: 25 Jan 2018 06:09

Tgt Ion: 75 Resp: 42338

Ion Ratio Lower Upper

75 100

53 0.0 77.5 116.3#

89 0.0 38.2 57.4#

