

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
 Data File : VW000977.D
 Acq On : 25 Jan 2018 04:06
 Operator : JC/SY
 Sample : J1289-05
 Misc : 5.15G/5.0ML/MSVOA_W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10-9.5-10.0

Quant Time: Jan 25 04:49:00 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	238221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	371172	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	328031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	143723	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	140499	61.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.06%	
35) Dibromofluoromethane	7.88	113	127853	56.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.46%	
50) Toluene-d8	10.33	98	452943	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
62) 4-Bromofluorobenzene	12.63	95	143288	43.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.78%	

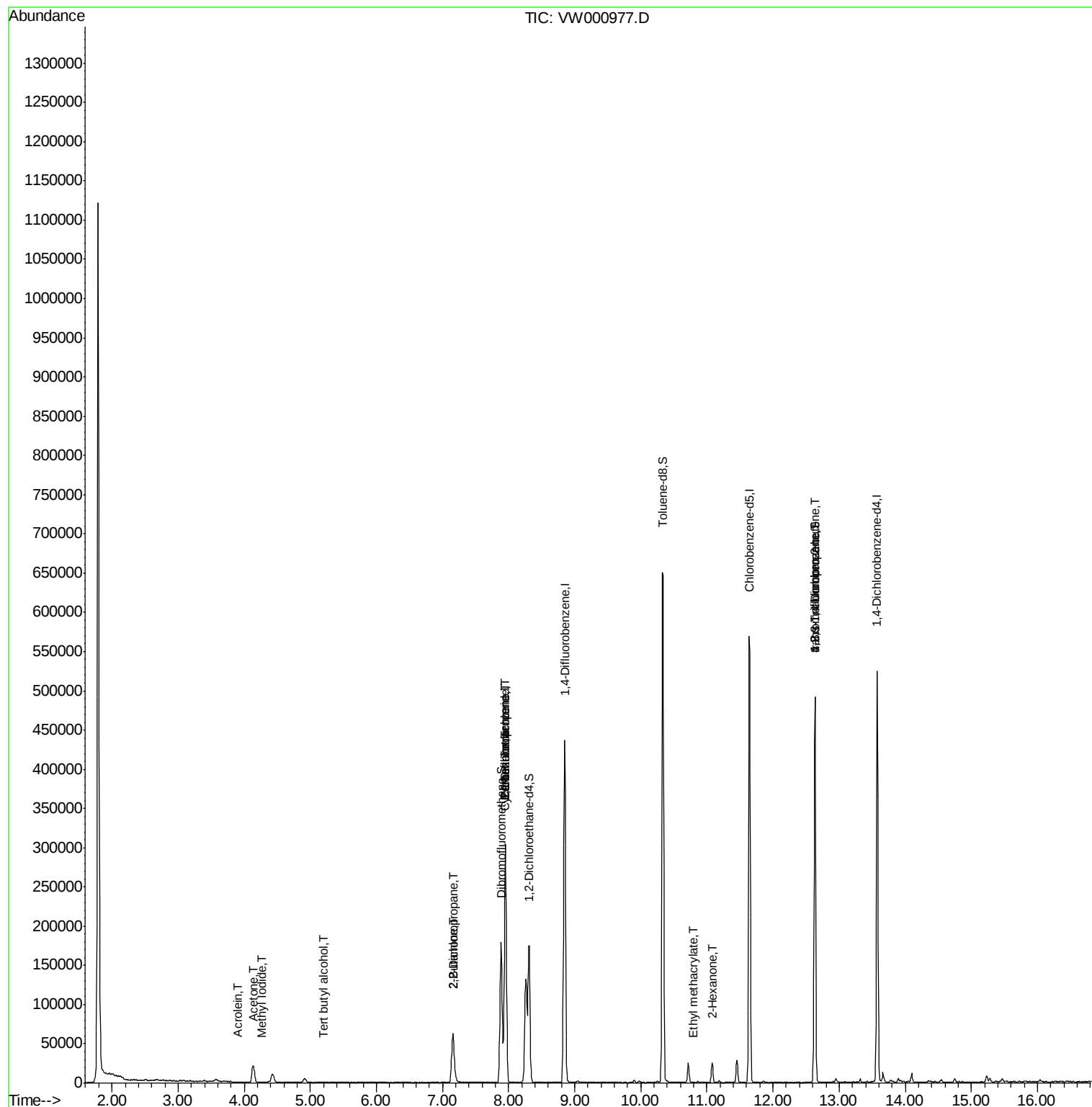
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.26	142	509	5.05	ug/l #	84
11) Tert butyl alcohol	5.20	59	815	3.29	ug/l #	76
13) Acrolein	3.90	56	258	1.07	ug/l #	71
16) Acetone	4.14	43	36834	52.28	ug/l	96
20) Methylene Chloride	4.92	84	3696	Below Cal		97
25) 2-Butanone	7.17	43	4748	4.70	ug/l	91
26) 2,2-Dichloropropane	7.15	77	4228	1.16	ug/l #	52
31) Cyclohexane	7.94	56	4835	1.30	ug/l #	23
36) 1,1-Dichloropropene	7.95	75	17037	4.81	ug/l #	49
38) Carbon Tetrachloride	7.95	117	23063	5.90	ug/l #	16
56) Ethyl methacrylate	10.79	69	25	3.26	ug/l #	1
59) 2-Hexanone	11.07	43	397	14.89	ug/l #	24
76) 1,2,3-Trichloropropane	12.63	75	71976	43.28	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	71976	103.26	ug/l #	11

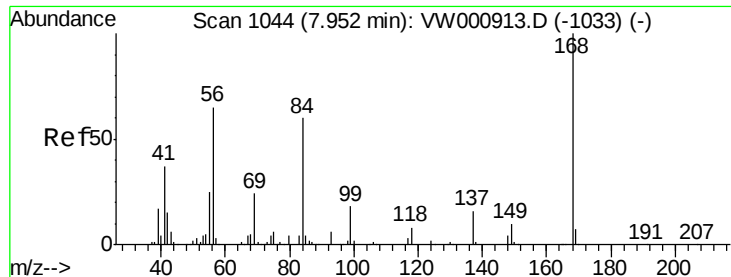
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW000977.D

Acq: 25 Jan 2018 04:06

Instrument :

MSVOA_W

ClientSampleId :

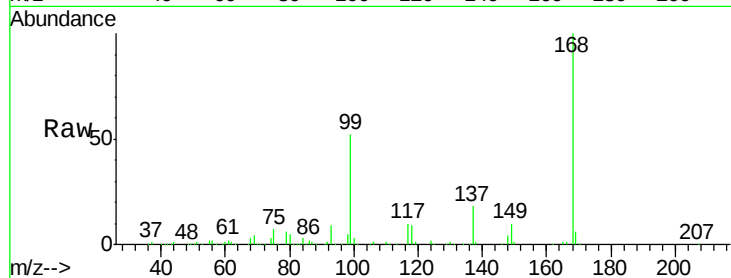
SB-10-9.5-10.0

Tgt Ion:168 Resp: 238221

Ion Ratio Lower Upper

168 100

99 52.3 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

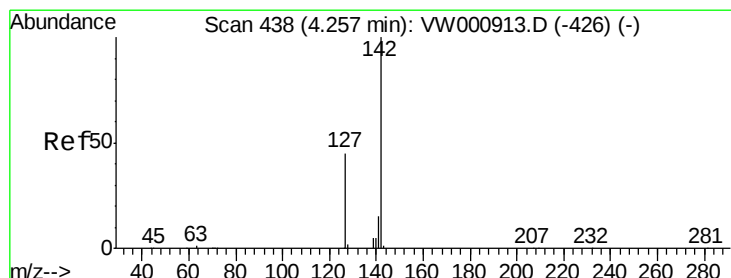
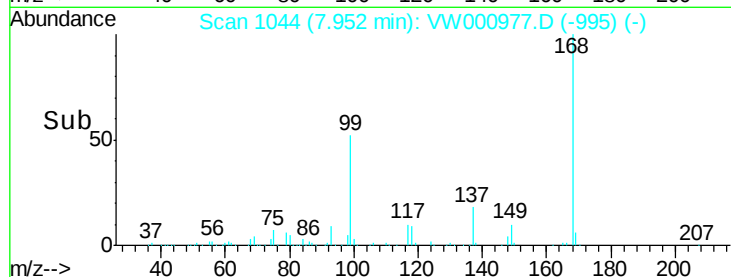
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 5.05 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.01 min

Lab File: VW000977.D

Acq: 25 Jan 2018 04:06

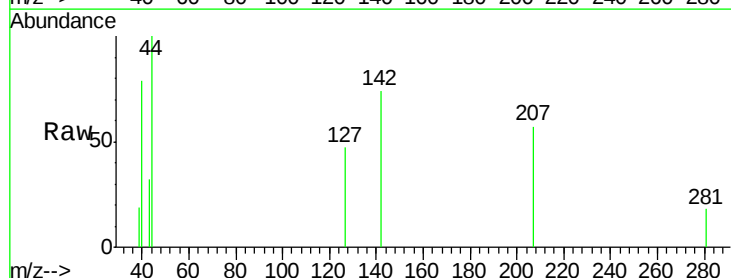
Tgt Ion:142 Resp: 509

Ion Ratio Lower Upper

142 100

127 37.9 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

4.26

300

250

200

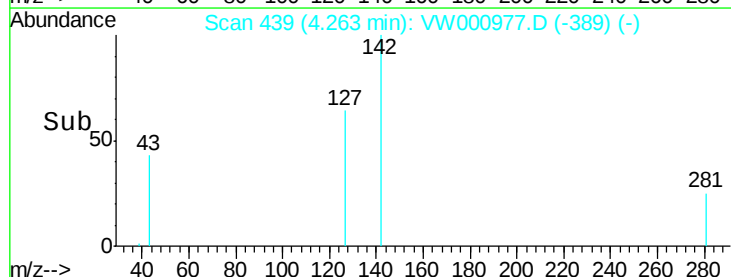
150

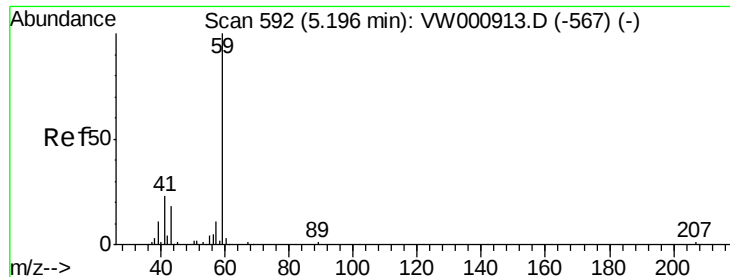
100

50

0

Time-->

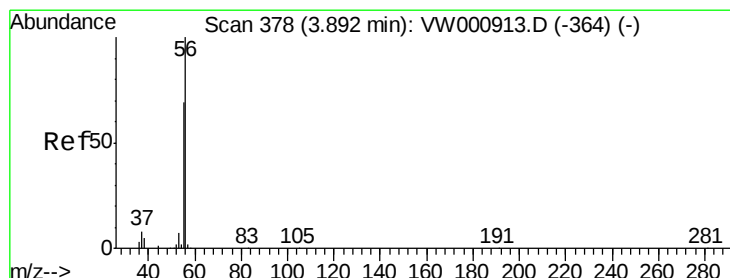
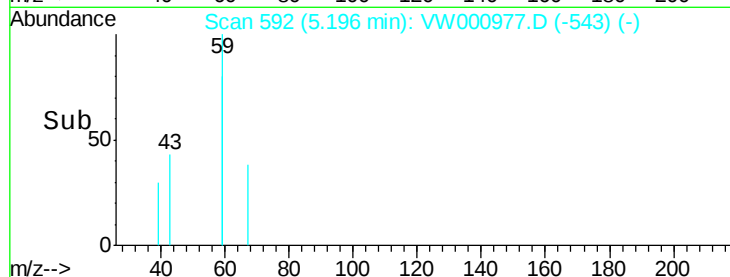
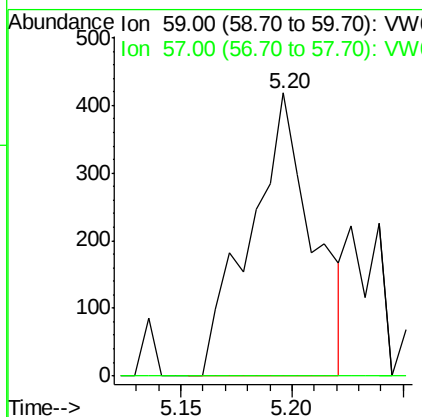
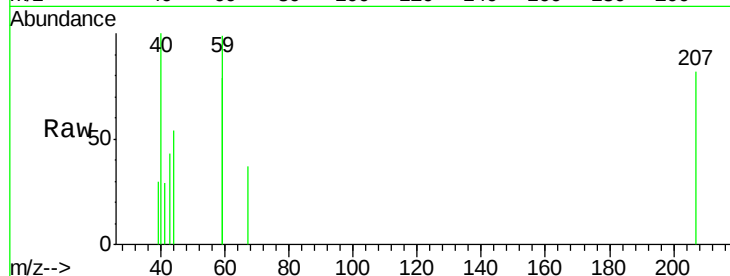




#11
Tert butyl alcohol
Concen: 3.29 ug/l
RT: 5.20 min Scan# 592
Delta R.T. 0.00 min
Lab File: VW000977.D
Acq: 25 Jan 2018 04:06

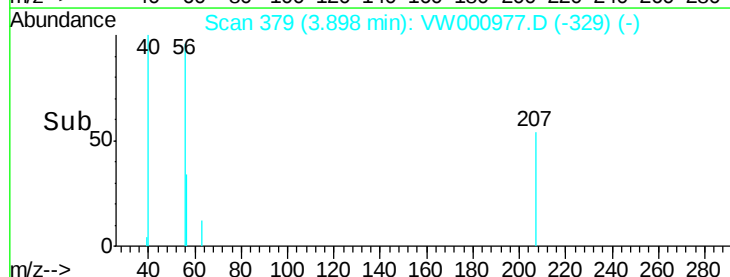
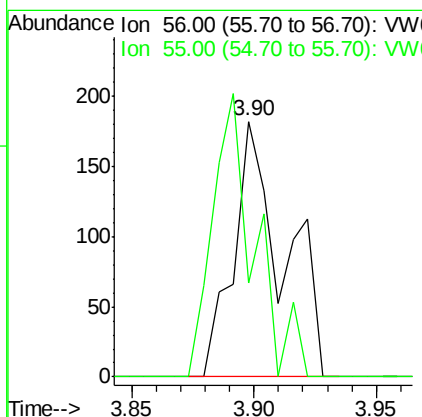
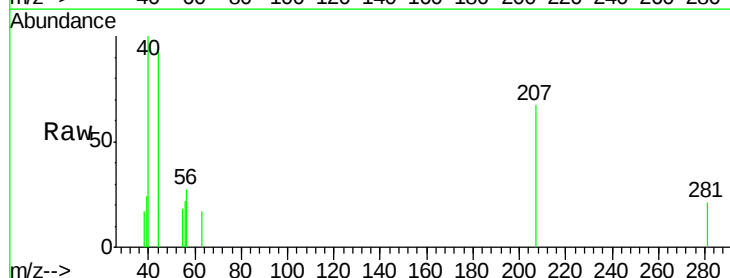
Instrument :
MSVOA_W
ClientSampleId :
SB-10-9.5-10.0

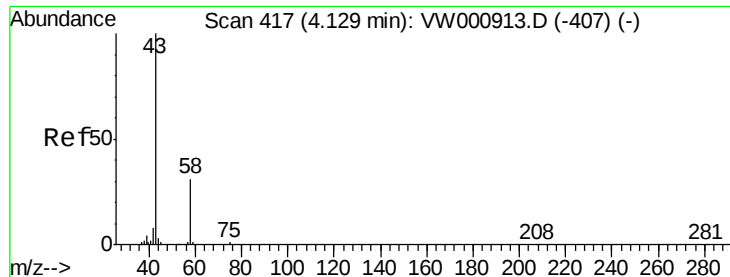
Tgt Ion: 59 Resp: 815
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.6#



#13
Acrolein
Concen: 1.07 ug/l
RT: 3.90 min Scan# 379
Delta R.T. 0.01 min
Lab File: VW000977.D
Acq: 25 Jan 2018 04:06

Tgt Ion: 56 Resp: 258
Ion Ratio Lower Upper
56 100
55 93.0 55.4 83.0#





#16

Acetone

Concen: 52.28 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.01 min

Lab File: VW000977.D

Acq: 25 Jan 2018 04:06

Instrument :

MSVOA_W

ClientSampleId :

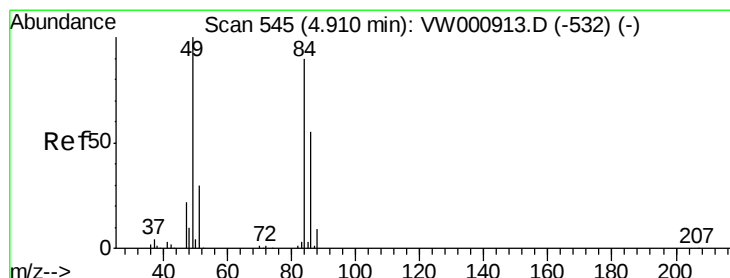
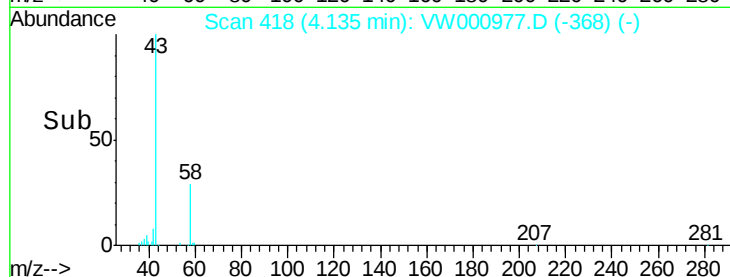
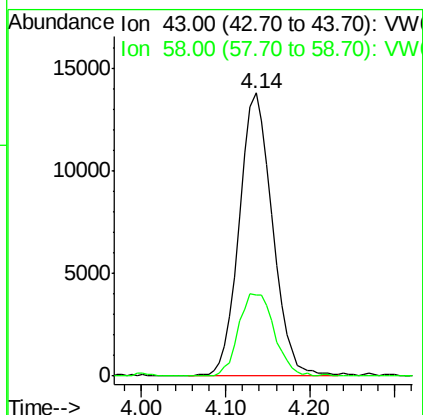
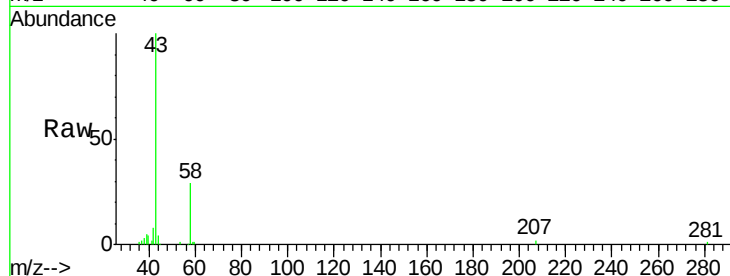
SB-10-9.5-10.0

Tgt Ion: 43 Resp: 36834

Ion Ratio Lower Upper

43 100

58 28.8 24.9 37.3



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW000977.D

Acq: 25 Jan 2018 04:06

Tgt Ion: 84 Resp: 3696

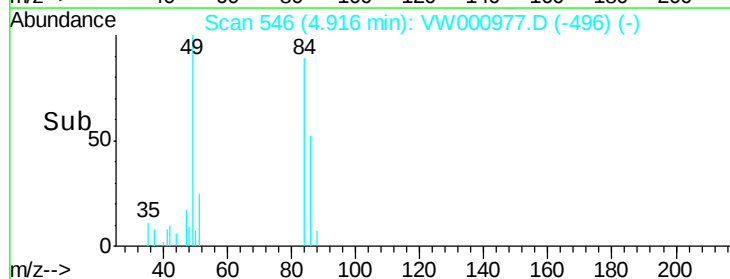
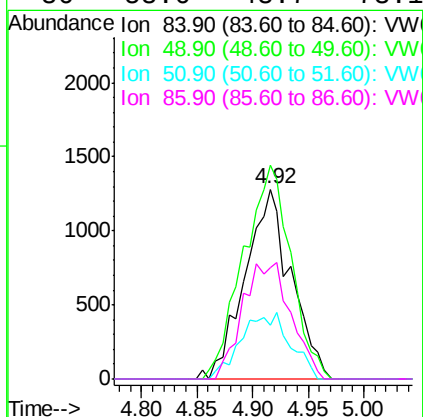
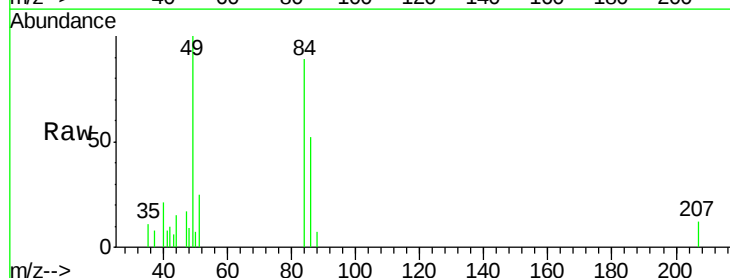
Ion Ratio Lower Upper

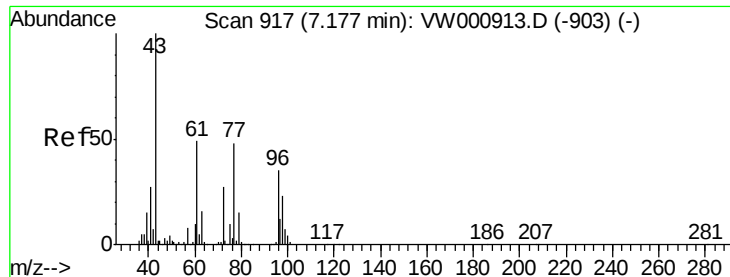
84 100

49 112.7 89.0 133.4

51 28.1 26.7 40.1

86 58.6 48.7 73.1





#25

2-Butanone

Concen: 4.70 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW000977.D

Acq: 25 Jan 2018 04:06

Instrument :

MSVOA_W

ClientSampleId :

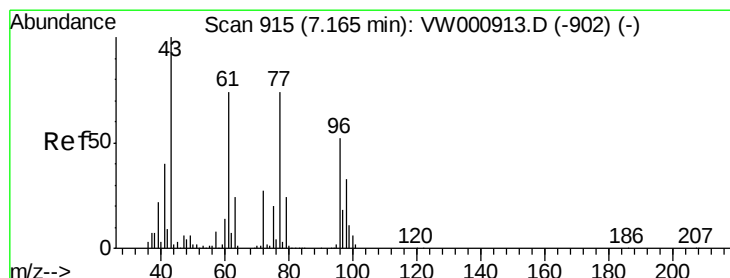
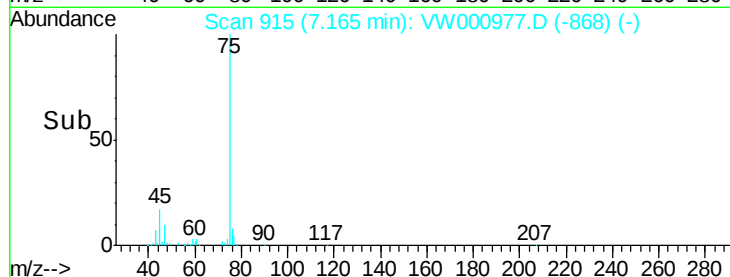
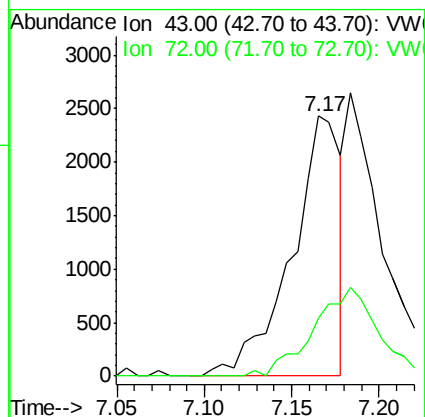
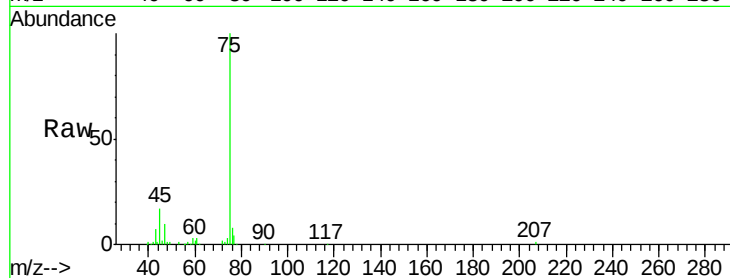
SB-10-9.5-10.0

Tgt Ion: 43 Resp: 4748

Ion Ratio Lower Upper

43 100

72 22.3 21.5 32.3



#26

2,2-Dichloropropane

Concen: 1.16 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.01 min

Lab File: VW000977.D

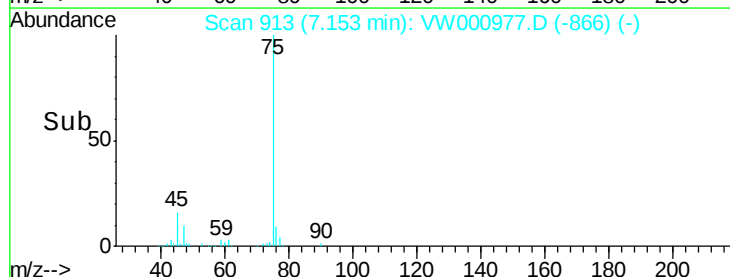
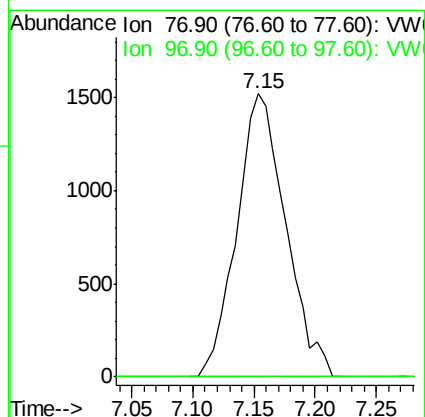
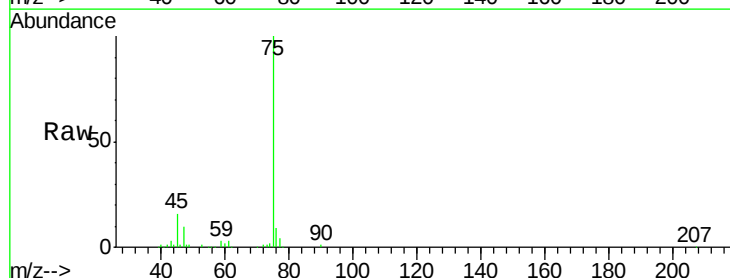
Acq: 25 Jan 2018 04:06

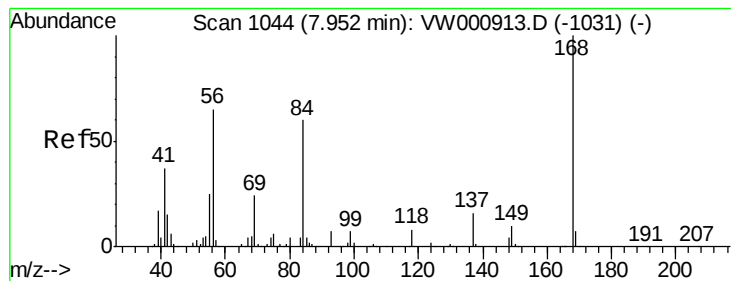
Tgt Ion: 77 Resp: 4228

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.3#





#31

Cyclohexane

Concen: 1.30 ug/l

RT: 7.94 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VW000977.D

Acq: 25 Jan 2018 04:06

Instrument :

MSVOA_W

ClientSampleId :

SB-10-9.5-10.0

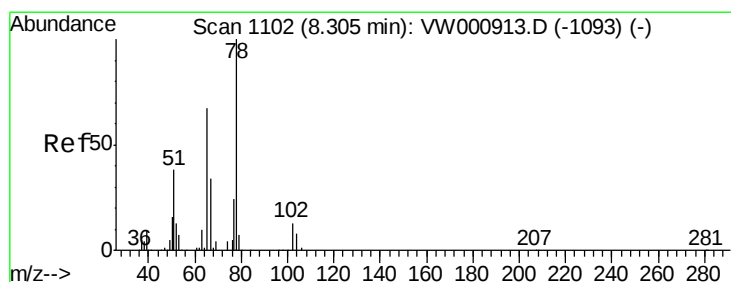
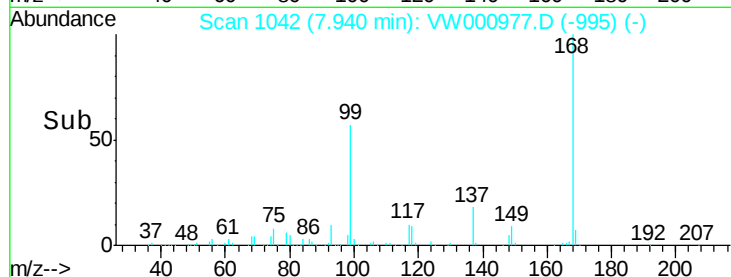
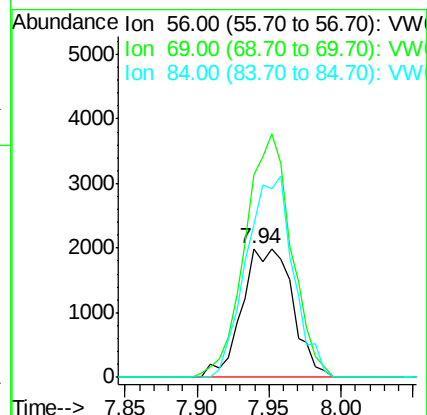
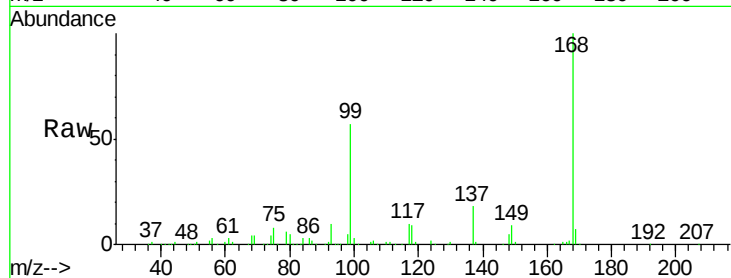
Tgt Ion: 56 Resp: 4835

Ion Ratio Lower Upper

56 100

69 156.7 29.2 43.8#

84 118.1 73.6 110.4#



#33

1,2-Dichloroethane-d4

Concen: 61.53 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW000977.D

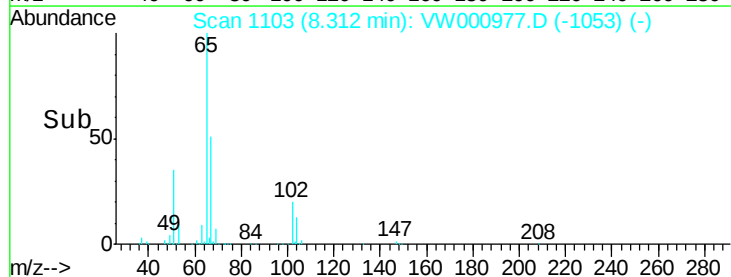
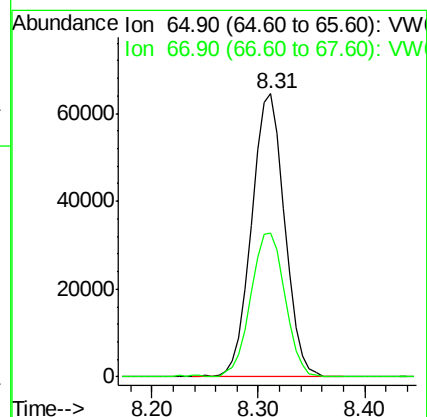
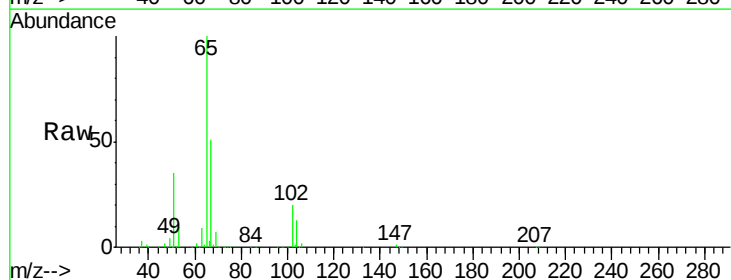
Acq: 25 Jan 2018 04:06

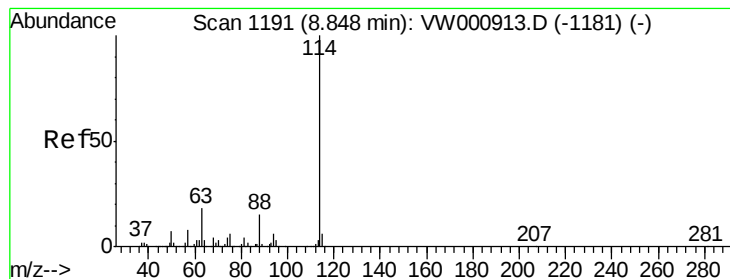
Tgt Ion: 65 Resp: 140499

Ion Ratio Lower Upper

65 100

67 53.0 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: VW000977.D

Acq: 25 Jan 2018 04:06

Instrument :

MSVOA_W

ClientSampleId :

SB-10-9.5-10.0

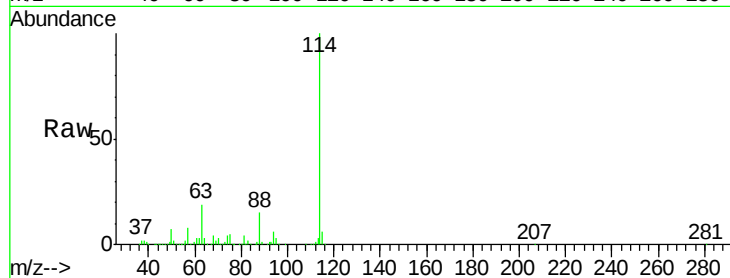
Tgt Ion:114 Resp: 371172

Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.8

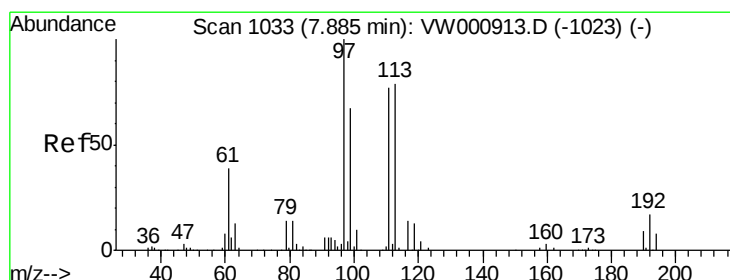
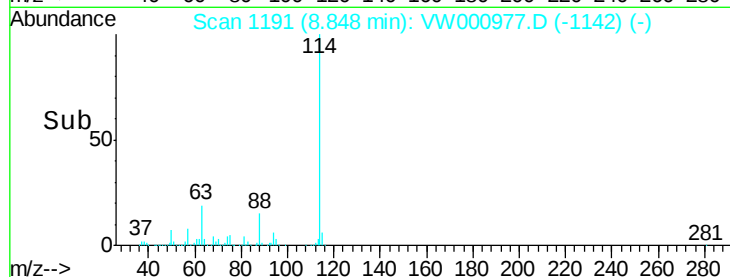
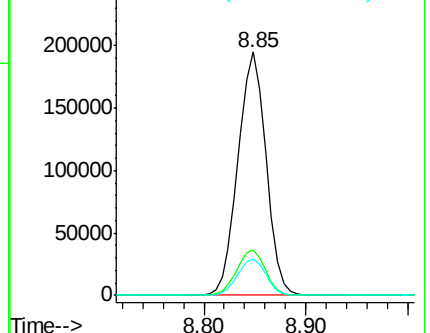
88 14.8 0.0 29.8



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: 56.23 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW000977.D

Acq: 25 Jan 2018 04:06

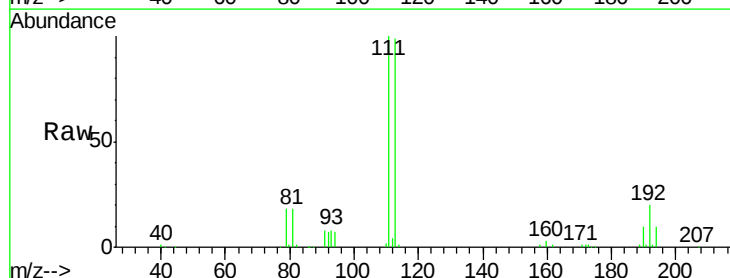
Tgt Ion:113 Resp: 127853

Ion Ratio Lower Upper

113 100

111 100.9 80.4 120.6

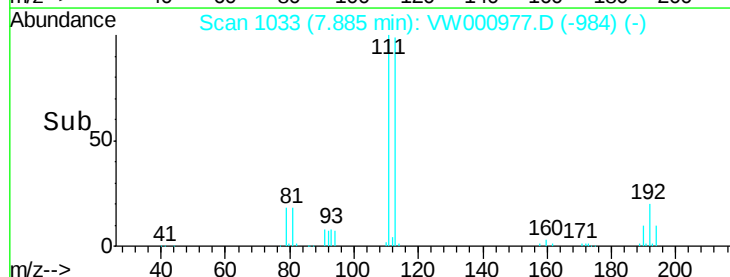
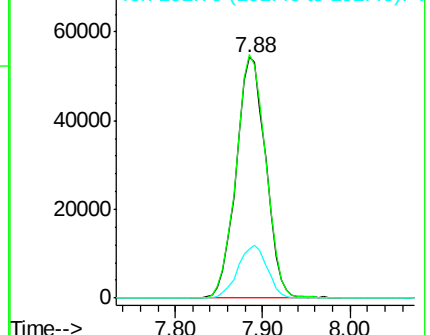
192 21.7 17.0 25.4

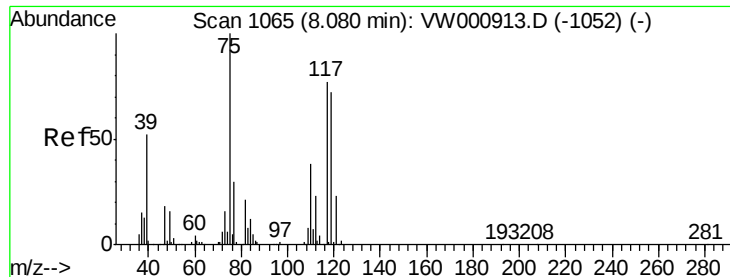


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.81 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW000977.D

Acq: 25 Jan 2018 04:06

Instrument :

MSVOA_W

ClientSampleId :

SB-10-9.5-10.0

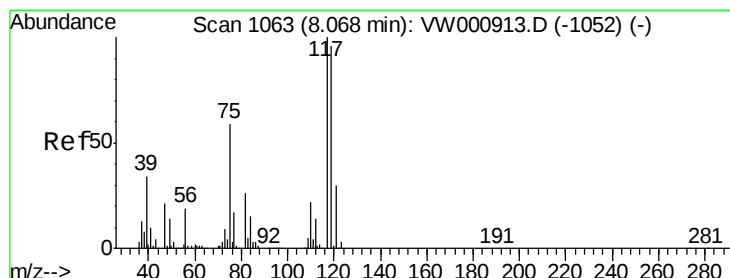
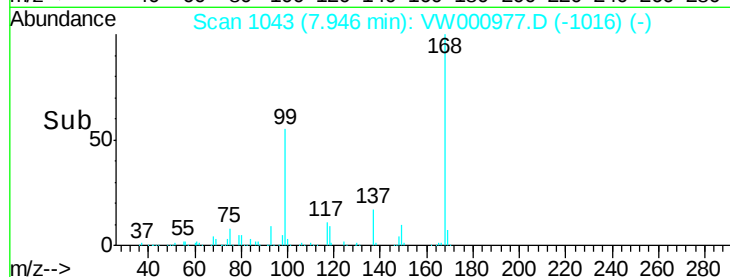
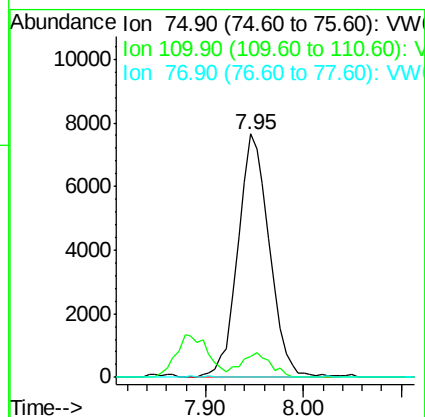
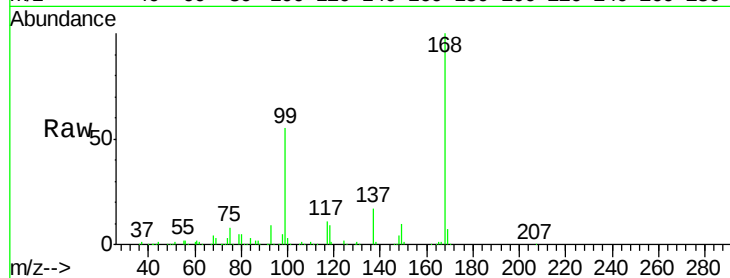
Tgt Ion: 75 Resp: 17037

Ion Ratio Lower Upper

75 100

110 9.5 18.6 56.0#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.90 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW000977.D

Acq: 25 Jan 2018 04:06

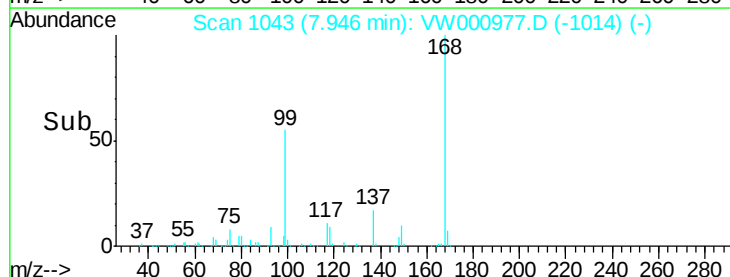
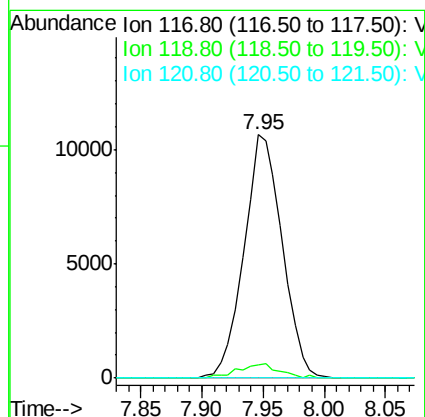
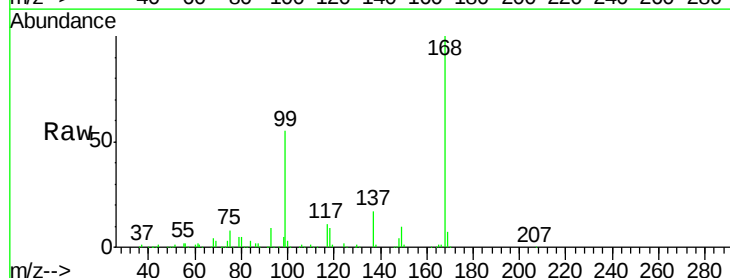
Tgt Ion: 117 Resp: 23063

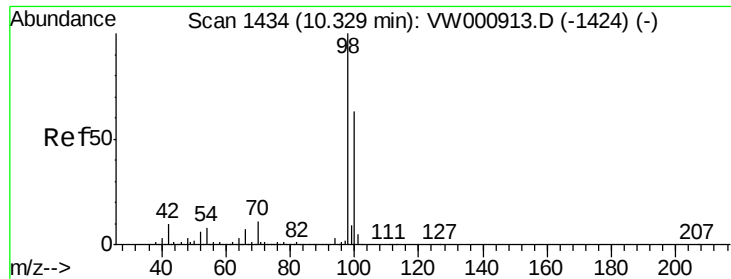
Ion Ratio Lower Upper

117 100

119 5.2 76.5 114.7#

121 0.0 24.3 36.5#





#50

Toluene-d8

Concen: 50.53 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW000977.D

Acq: 25 Jan 2018 04:06

Instrument :

MSVOA_W

ClientSampleId :

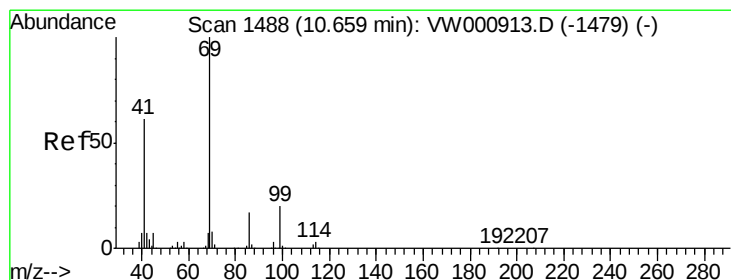
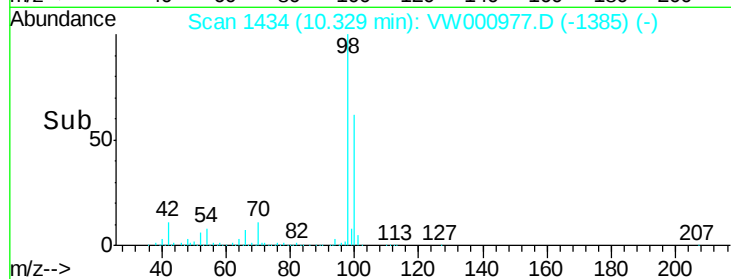
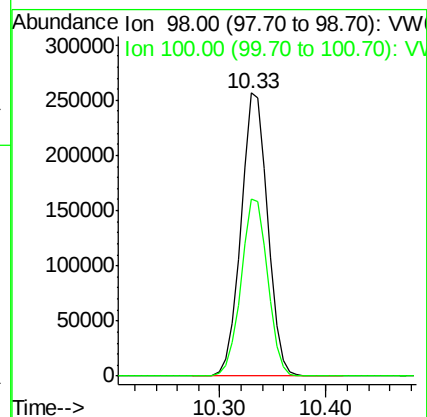
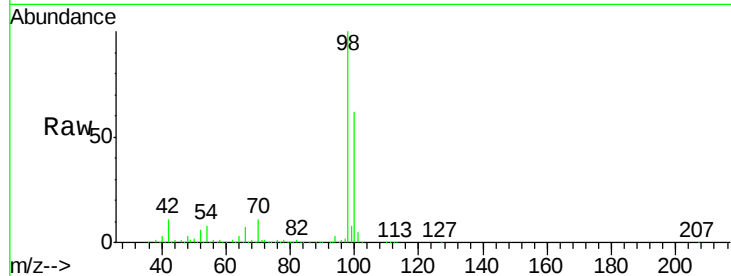
SB-10-9.5-10.0

Tgt Ion: 98 Resp: 452943

Ion Ratio Lower Upper

98 100

100 62.4 50.8 76.2



#56

Ethyl methacrylate

Concen: 3.26 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.13 min

Lab File: VW000977.D

Acq: 25 Jan 2018 04:06

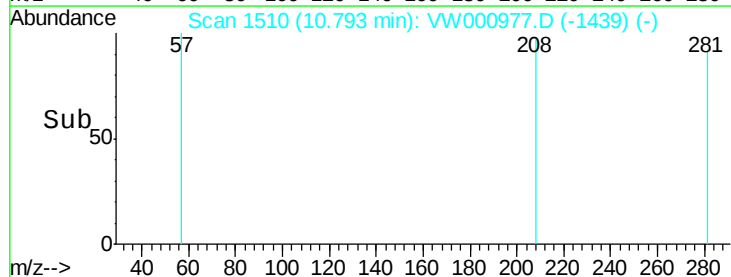
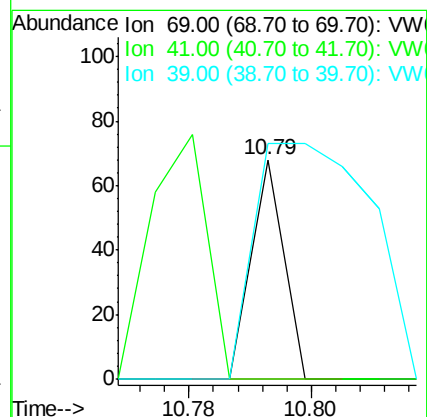
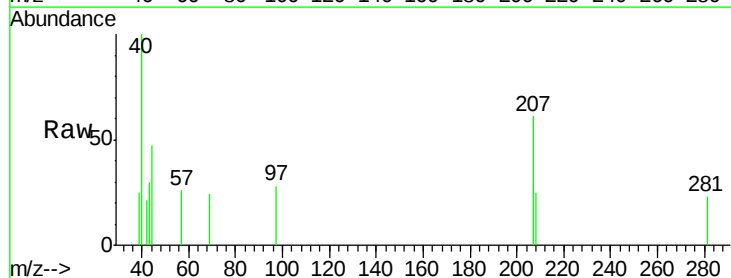
Tgt Ion: 69 Resp: 25

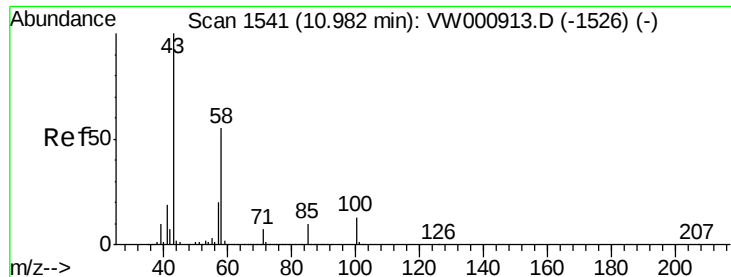
Ion Ratio Lower Upper

69 100

41 196.0 50.3 75.5#

39 388.0 28.6 42.8#





#59

2-Hexanone

Concen: 14.89 ug/l

RT: 11.07 min Scan# 1556

Delta R.T. 0.09 min

Lab File: VW000977.D

Acq: 25 Jan 2018 04:06

Instrument :

MSVOA_W

ClientSampleId :

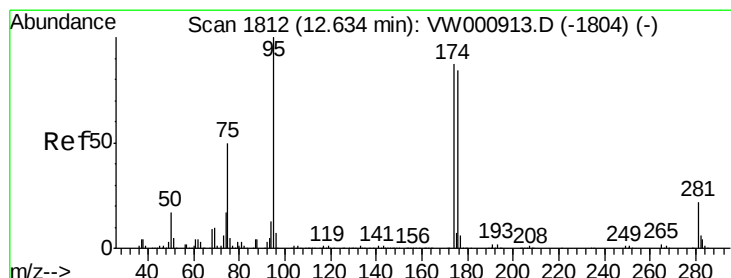
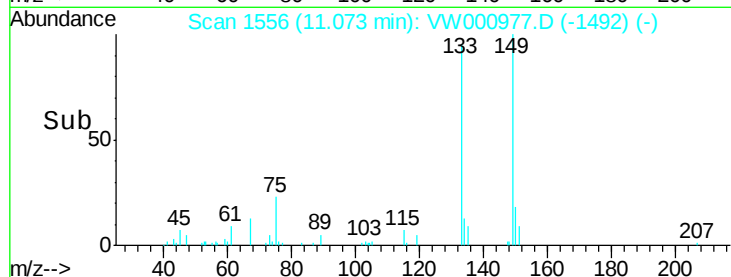
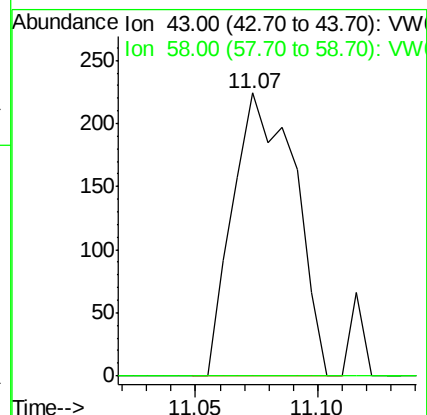
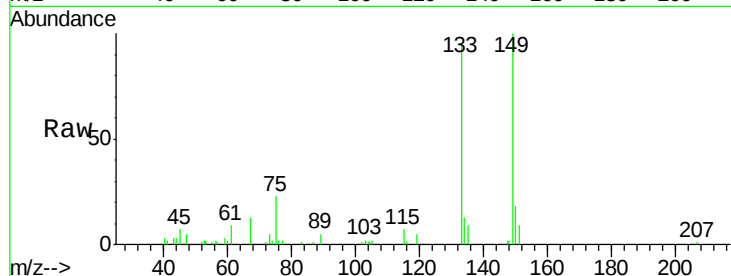
SB-10-9.5-10.0

Tgt Ion: 43 Resp: 397

Ion Ratio Lower Upper

43 100

58 0.0 27.4 82.2#



#62

4-Bromofluorobenzene

Concen: 43.89 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW000977.D

Acq: 25 Jan 2018 04:06

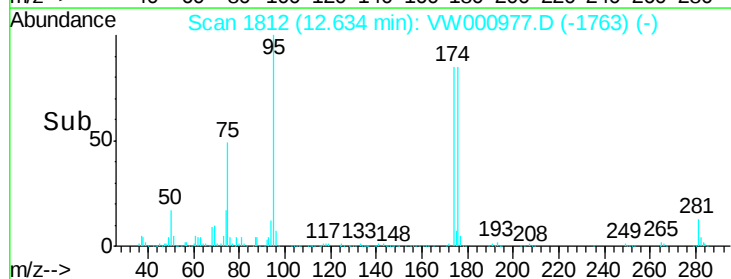
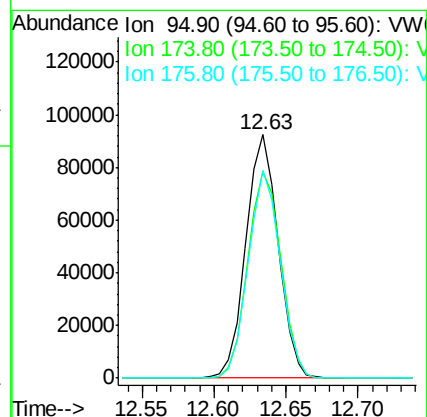
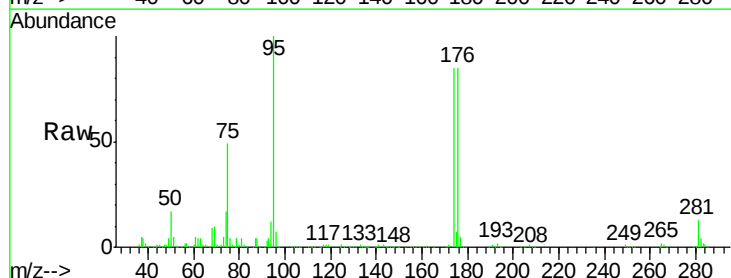
Tgt Ion: 95 Resp: 143288

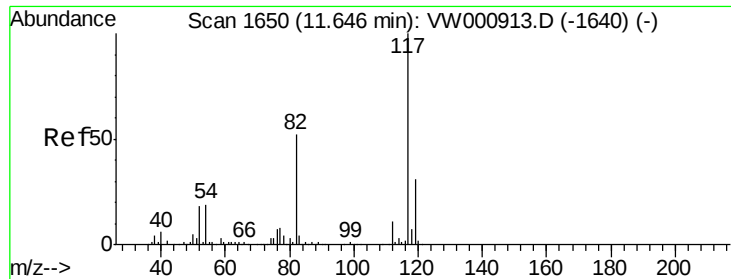
Ion Ratio Lower Upper

95 100

174 87.5 0.0 176.8

176 84.7 0.0 171.8

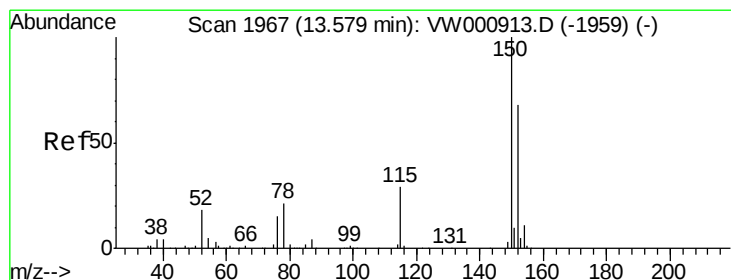
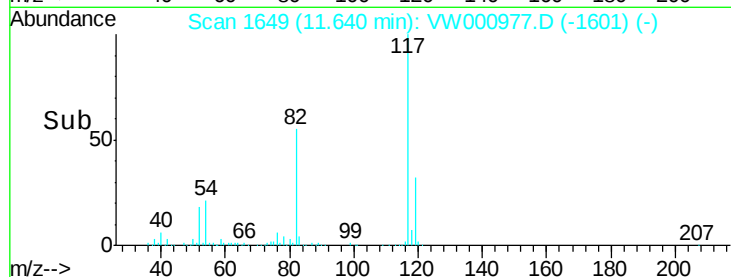
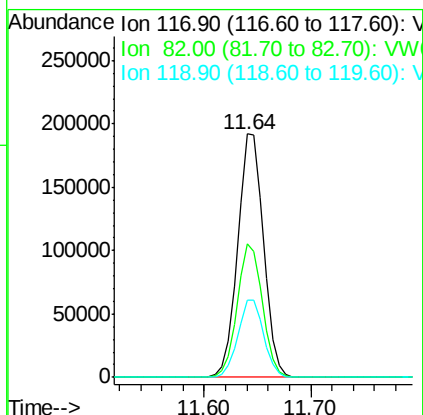
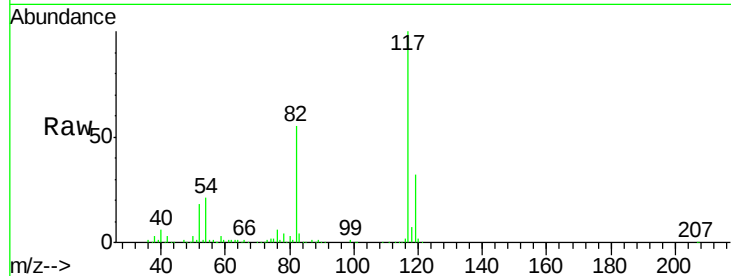




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.01 min
Lab File: VW000977.D
Acq: 25 Jan 2018 04:06

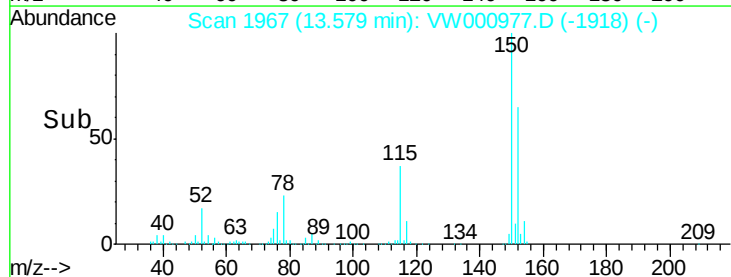
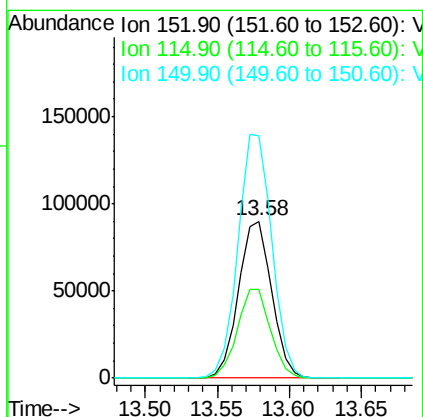
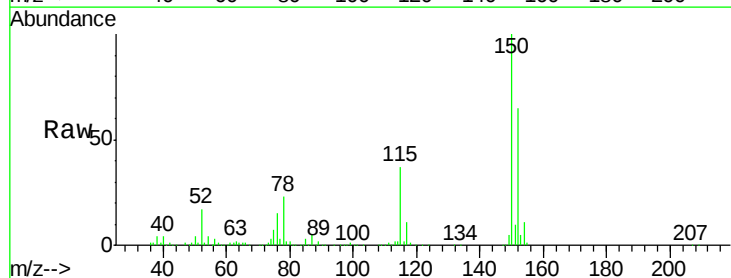
Instrument :
MSVOA_W
ClientSampleId :
SB-10-9.5-10.0

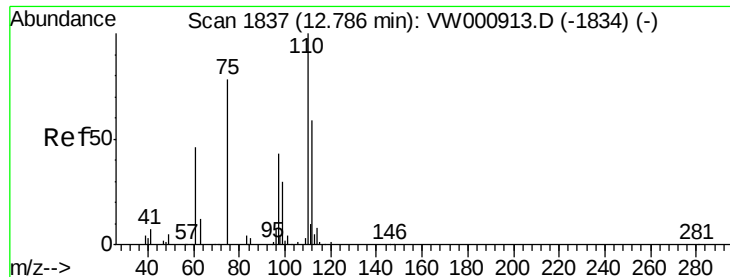
Tgt Ion:117 Resp: 328031
Ion Ratio Lower Upper
117 100
82 55.0 41.8 62.6
119 31.8 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VW000977.D
Acq: 25 Jan 2018 04:06

Tgt Ion:152 Resp: 143723
Ion Ratio Lower Upper
152 100
115 56.6 28.5 85.5
150 158.4 0.0 342.0





#76

1,2,3-Trichloropropane

Concen: 43.28 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. -0.15 min

Lab File: VW000977.D

Acq: 25 Jan 2018 04:06

Instrument :

MSVOA_W

ClientSampleId :

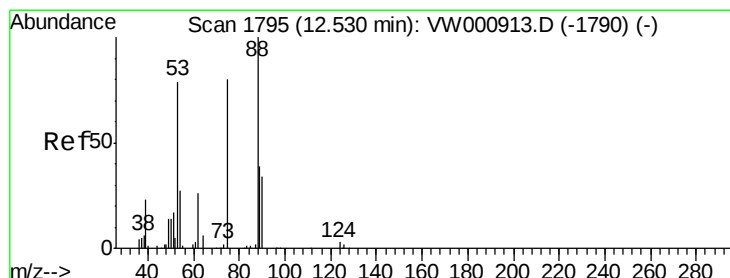
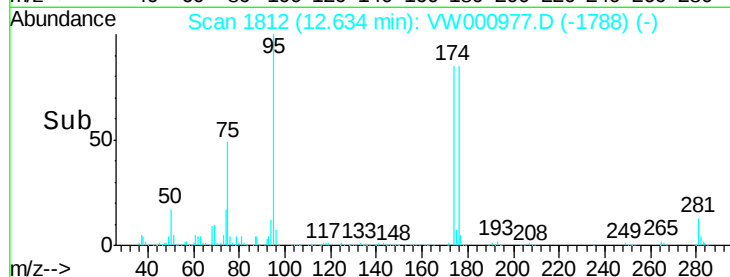
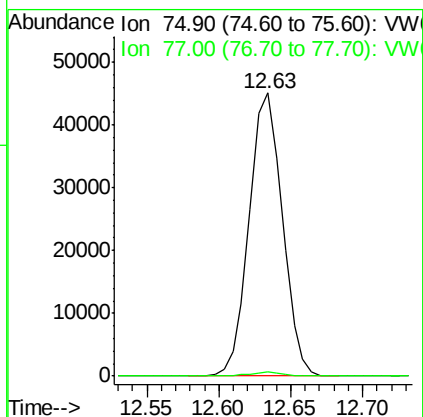
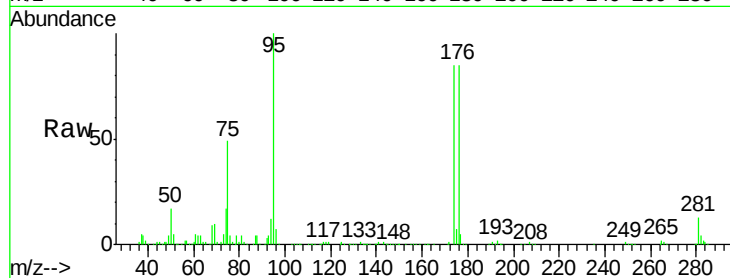
SB-10-9.5-10.0

Tgt Ion: 75 Resp: 71976

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 103.26 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.10 min

Lab File: VW000977.D

Acq: 25 Jan 2018 04:06

Tgt Ion: 75 Resp: 71976

Ion Ratio Lower Upper

75 100

53 0.0 77.5 116.3#

89 0.0 38.2 57.4#

