

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009267.D
 Acq On : 20 Mar 2019 05:06
 Operator : SY/VA
 Sample : K1984-04
 Misc : 5.01G/5ML/MSVOA W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-11(14-15)

Quant Time: Mar 20 08:22:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 07:22:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	293015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	484769	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	444449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	211655	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	189823	60.90	ug/l	0.00
Spiked Amount			Recovery	=	121.80%	
35) Dibromofluoromethane	7.88	113	160993	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
50) Toluene-d8	10.32	98	602610	53.92	ug/l	0.00
Spiked Amount			Recovery	=	107.84%	
62) 4-Bromofluorobenzene	12.62	95	213885	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	

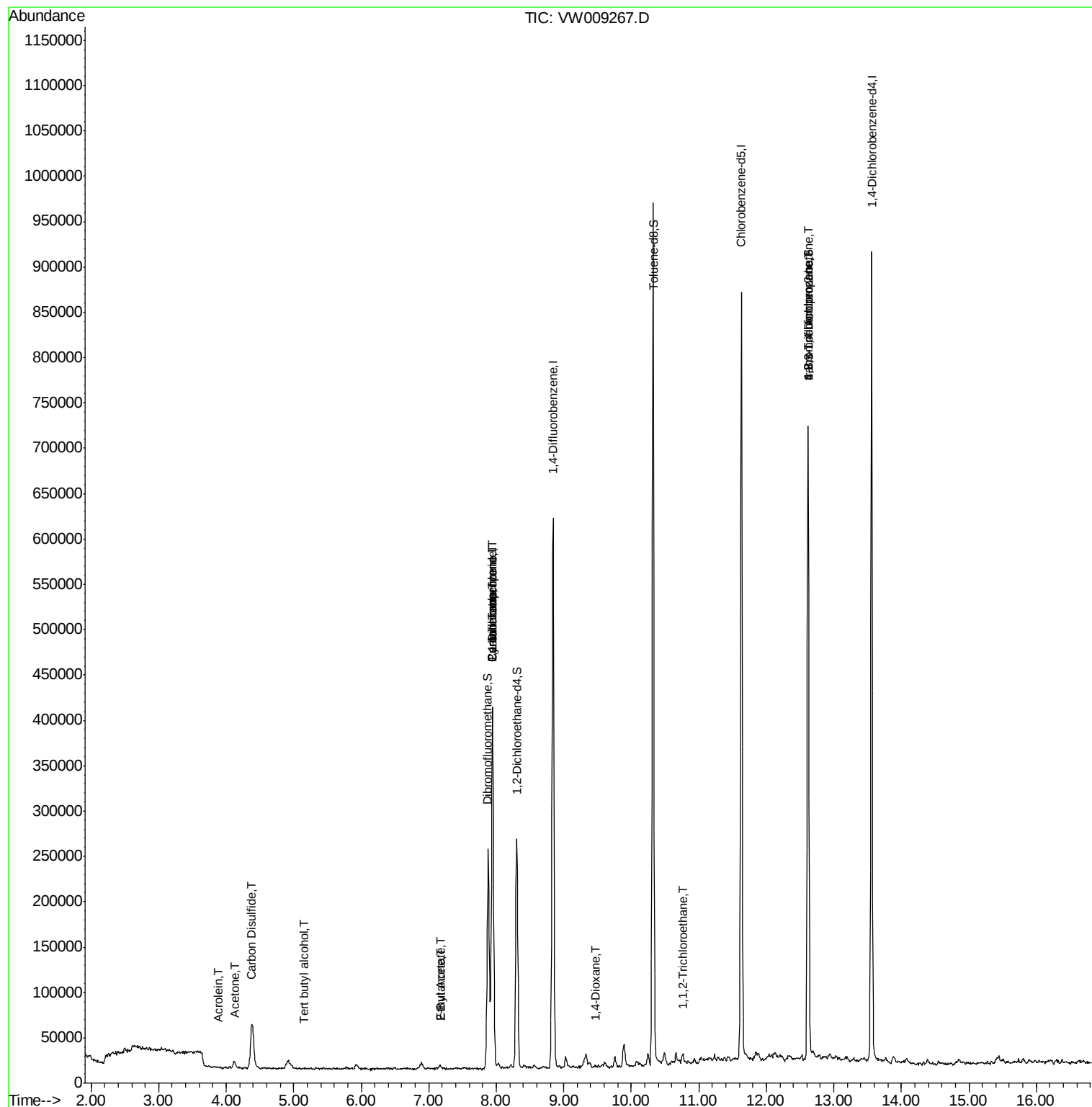
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.03	85	242	Below Cal	#	41
11) Tert butyl alcohol	5.15	59	331	1.829	ug/l #	86
13) Acrolein	3.89	56	180	1.219	ug/l #	46
16) Acetone	4.12	43	12873	20.132	ug/l #	88
17) Carbon Disulfide	4.38	76	113971	14.619	ug/l	100
25) 2-Butanone	7.18	43	4414	4.817	ug/l #	82
31) Cyclohexane	7.95	56	9050	1.770	ug/l #	45
36) 1,1-Dichloropropene	7.95	75	24239	5.025	ug/l #	52
37) Ethyl Acetate	7.18	43	4414	2.005	ug/l #	76
38) Carbon Tetrachloride	7.94	117	30704	6.014	ug/l #	17
49) 1,4-Dioxane	9.46	88	48	1.692	ug/l #	66
55) 1,1,2-Trichloroethane	10.76	97	2606	1.052	ug/l #	24
76) 1,2,3-Trichloropropane	12.62	75	117432	59.041	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	117432	144.871	ug/l #	7

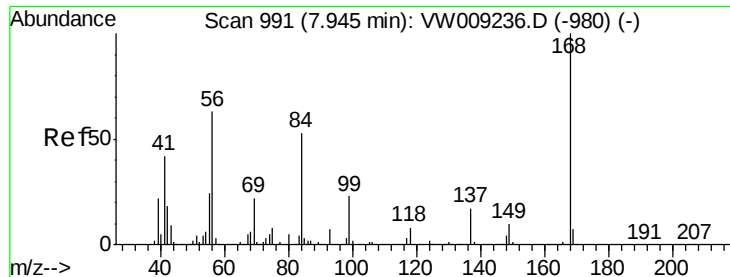
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW009267.D

Acq: 20 Mar 2019 05:06

Instrument :

MSVOA_W

ClientSampleId :

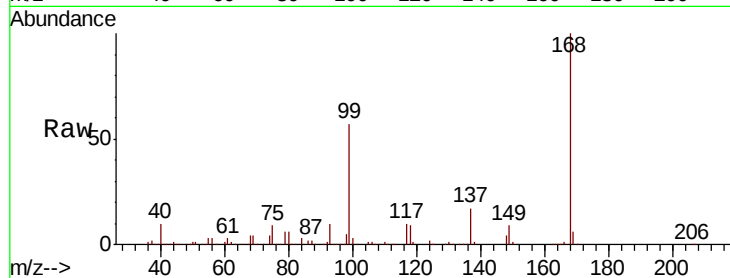
SB-11(14-15)

Tot Ion:168 Resp: 293015

Ion Ratio Lower Upper

168 100

99 56.6 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

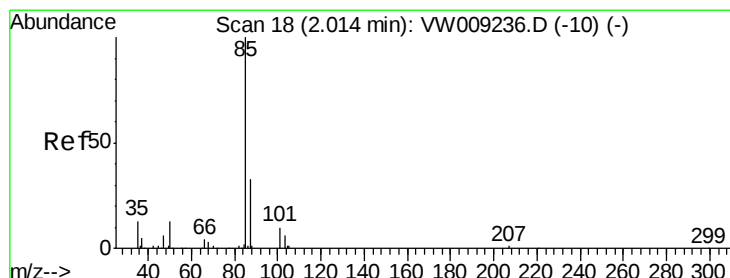
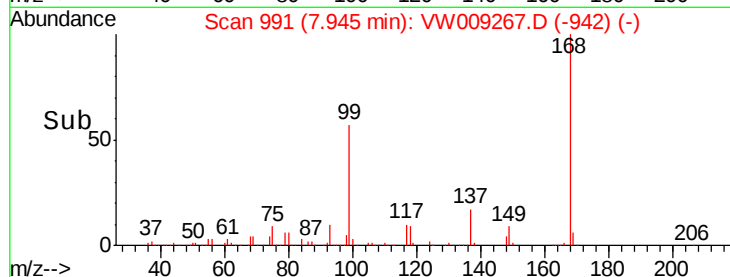
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.03 min Scan# 20

Delta R.T. 0.01 min

Lab File: VW009267.D

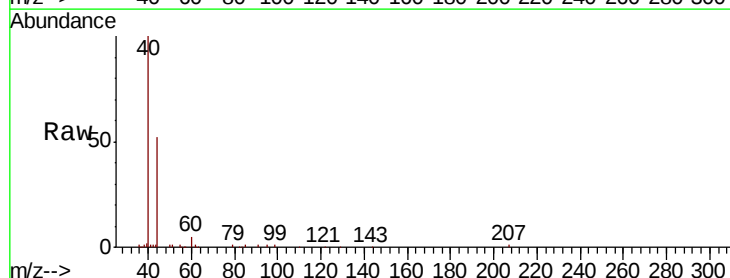
Acq: 20 Mar 2019 05:06

Tgt Ion: 85 Resp: 242

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.03

200

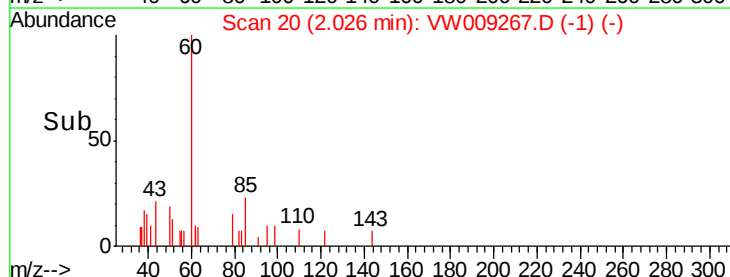
150

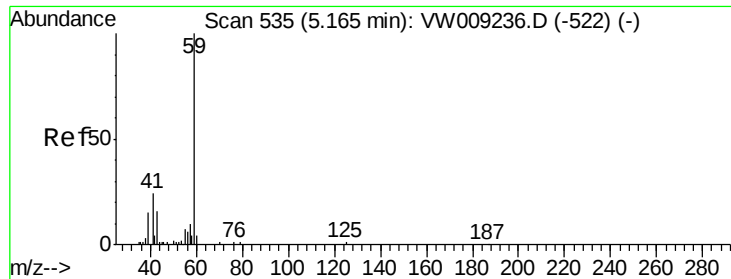
100

50

0

Time--> 1.98 2.00 2.02 2.04



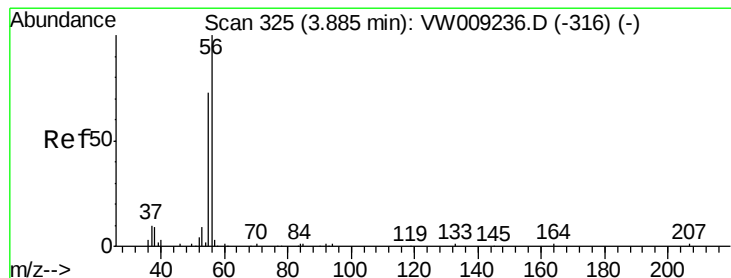
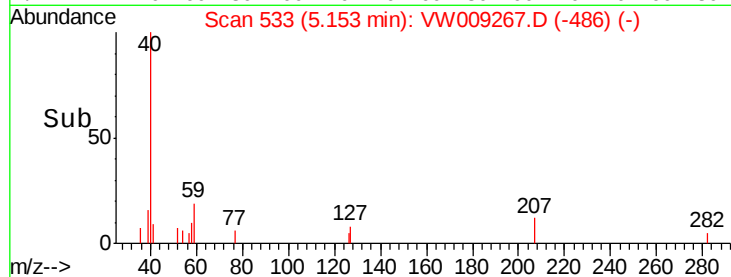
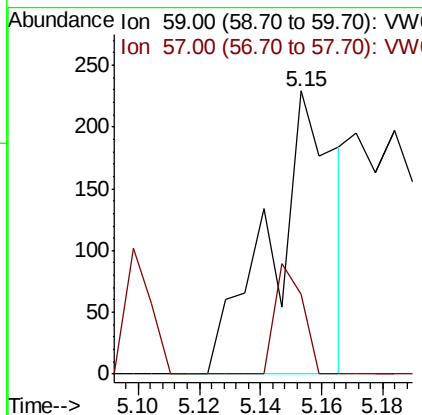
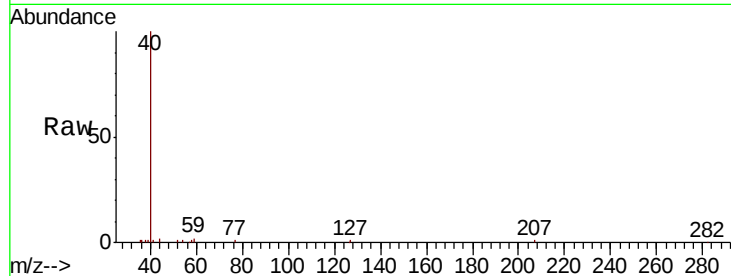


#11

Tert butyl alcohol
 Concen: 1.829 ug/l
 RT: 5.15 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VW009267.D
 Acq: 20 Mar 2019 05:06

Instrument :
 MSVOA_W
 ClientSampled :
 SB-11(14-15)

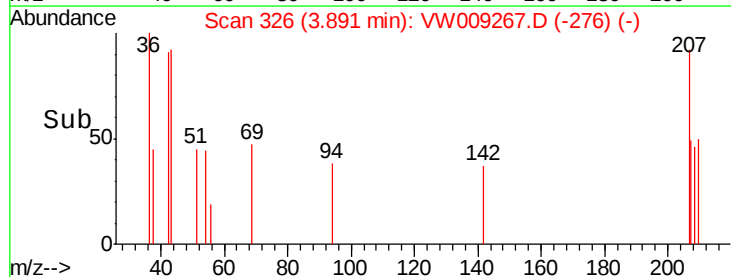
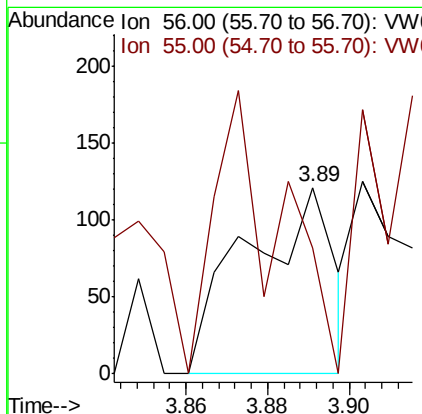
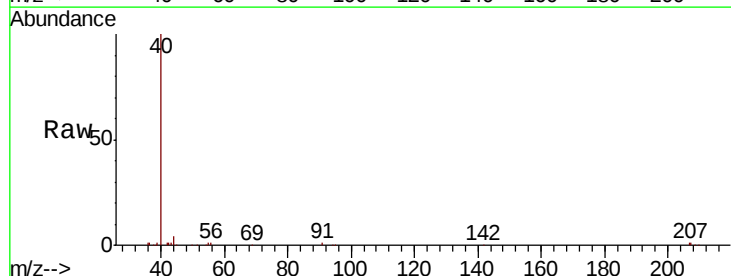
Tot Ion: 59 Resp: 331
 Ion Ratio Lower Upper
 59 100
 57 16.9 9.4 14.0#

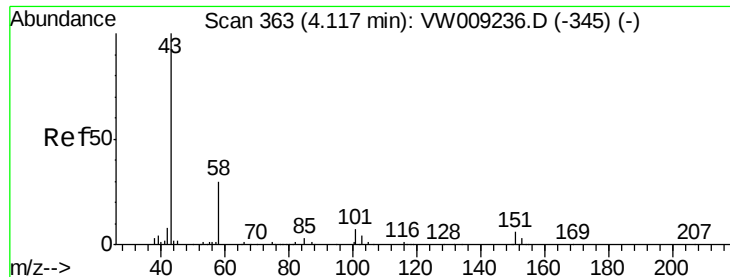


#13

Acrolein
 Concen: 1.219 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. 0.01 min
 Lab File: VW009267.D
 Acq: 20 Mar 2019 05:06

Tgt Ion: 56 Resp: 180
 Ion Ratio Lower Upper
 56 100
 55 112.8 55.2 82.8#





#16

Acetone

Concen: 20.132 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW009267.D

Acq: 20 Mar 2019 05:06

Instrument :

MSVOA_W

ClientSampleId :

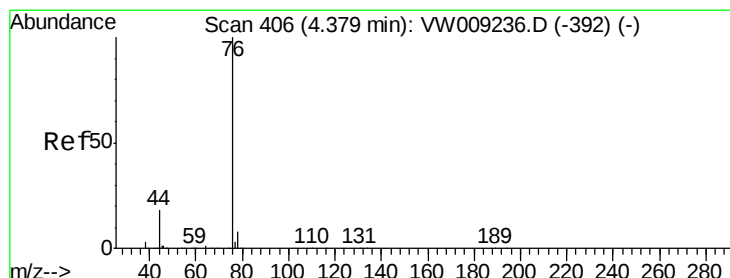
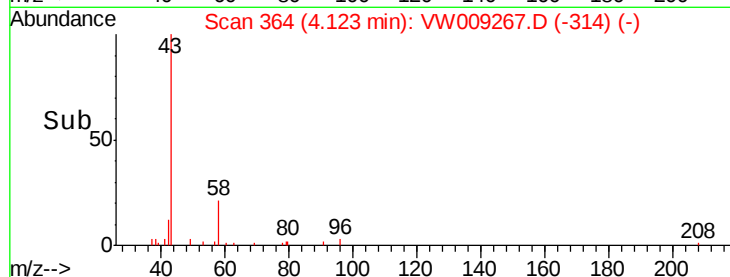
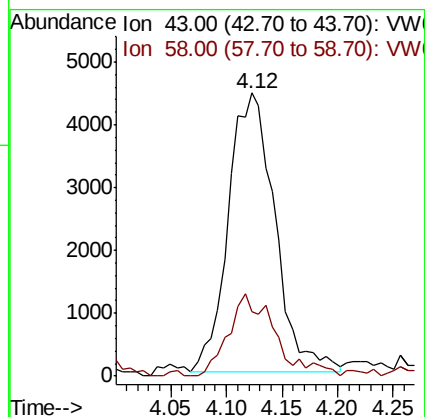
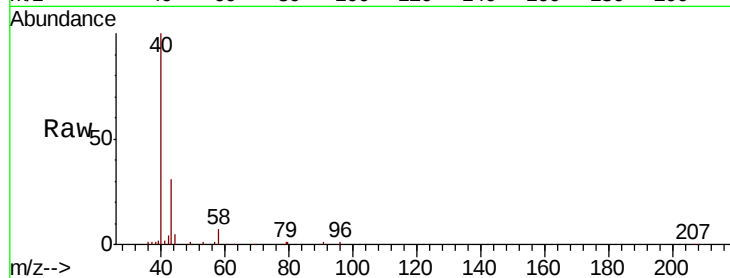
SB-11(14-15)

Tot Ion: 43 Resp: 12873

Ion Ratio Lower Upper

43 100

58 23.1 23.6 35.4#



#17

Carbon Disulfide

Concen: 14.619 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW009267.D

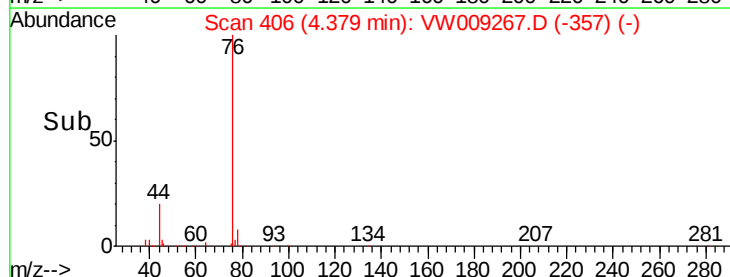
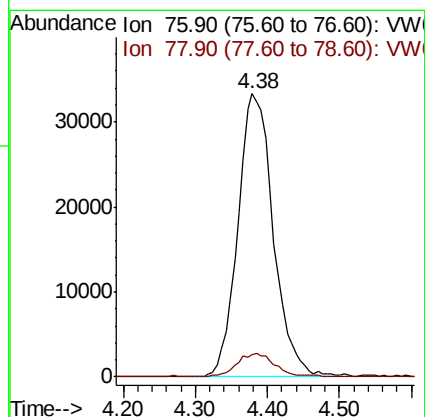
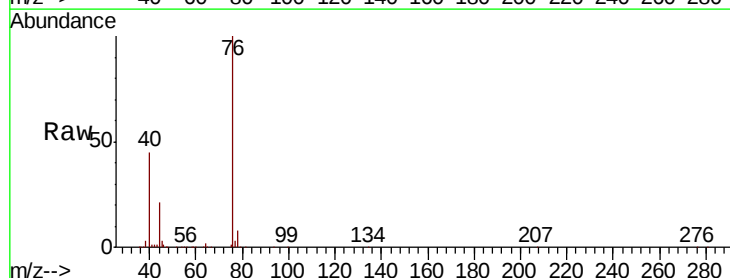
Acq: 20 Mar 2019 05:06

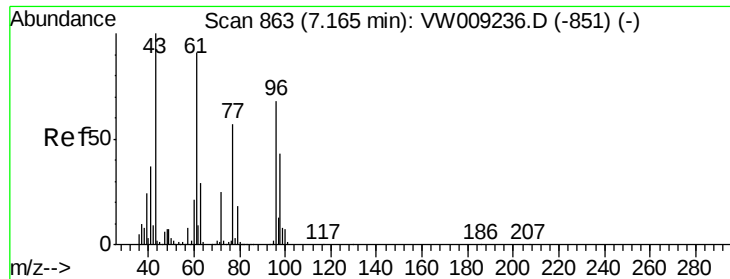
Tgt Ion: 76 Resp: 113971

Ion Ratio Lower Upper

76 100

78 8.1 6.6 9.8





#25

2-Butanone

Concen: 4.817 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009267.D

Acq: 20 Mar 2019 05:06

Instrument :

MSVOA_W

ClientSampleId :

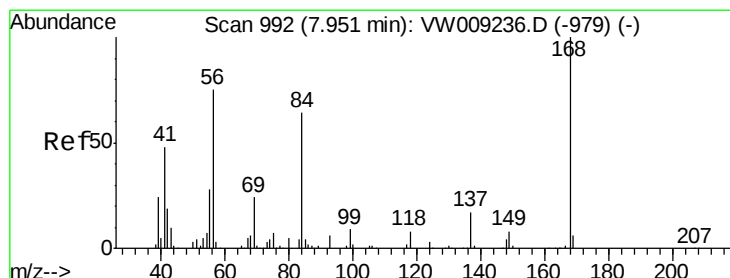
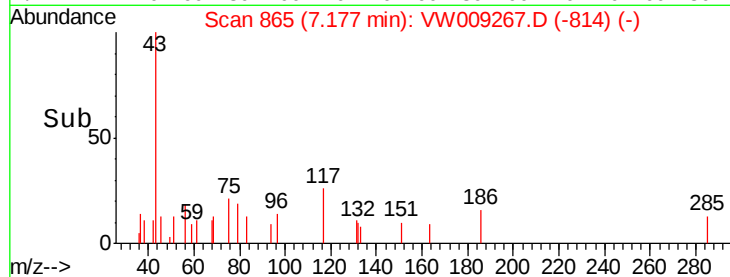
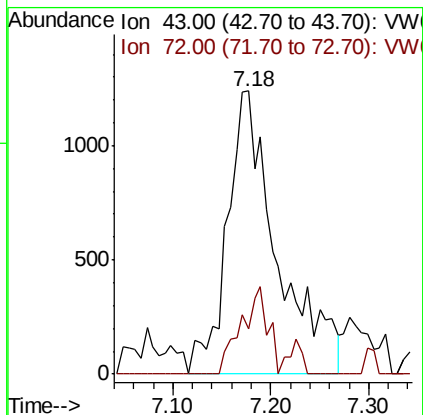
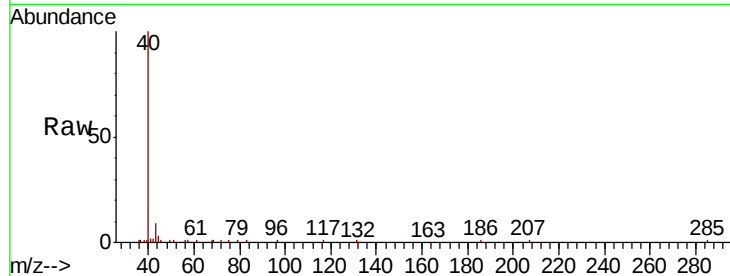
SB-11(14-15)

Tot Ion: 43 Resp: 4414

Ion Ratio Lower Upper

43 100

72 15.9 20.0 30.0#



#31

Cyclohexane

Concen: 1.770 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009267.D

Acq: 20 Mar 2019 05:06

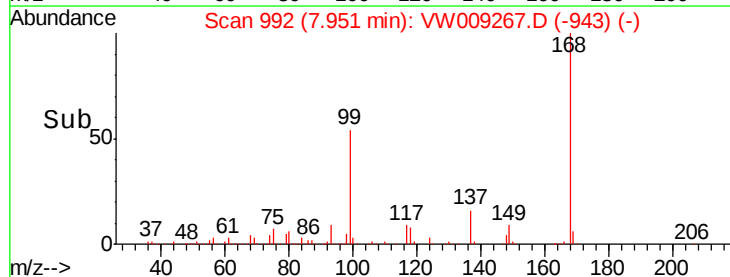
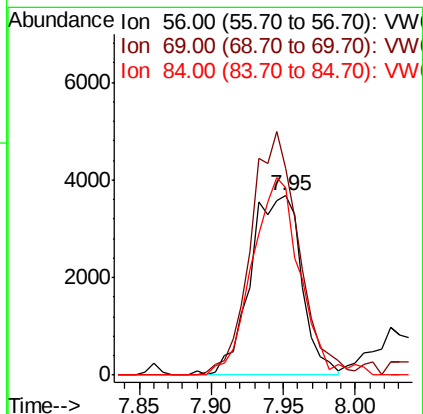
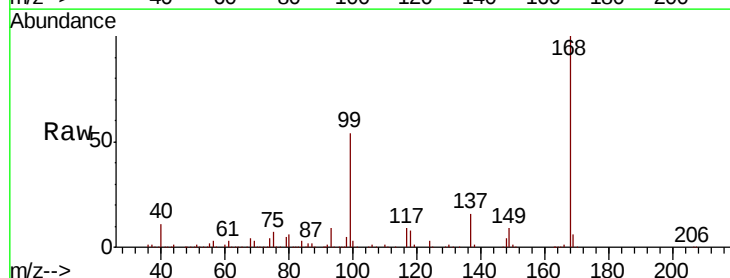
Tgt Ion: 56 Resp: 9050

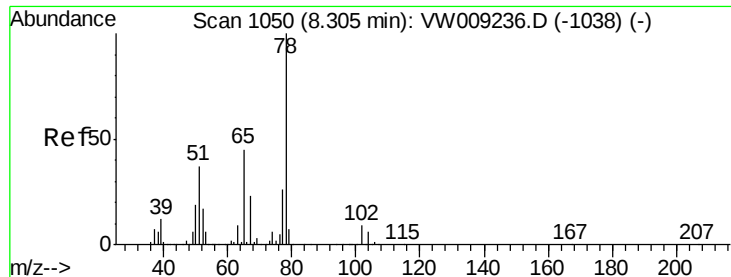
Ion Ratio Lower Upper

56 100

69 115.0 26.1 39.1#

84 104.4 68.6 103.0#

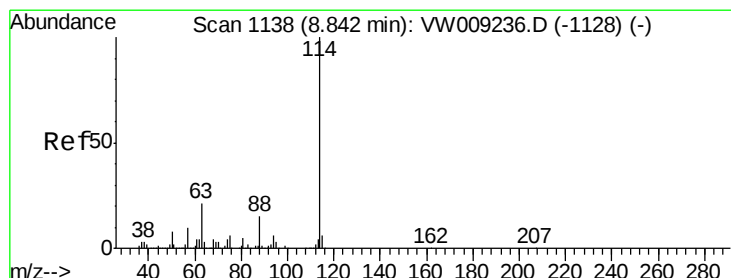
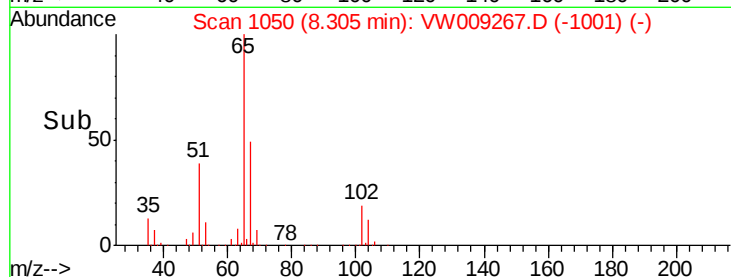
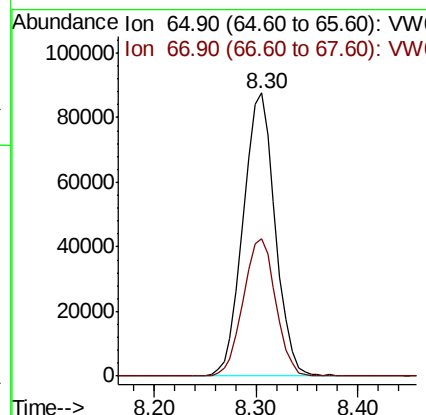
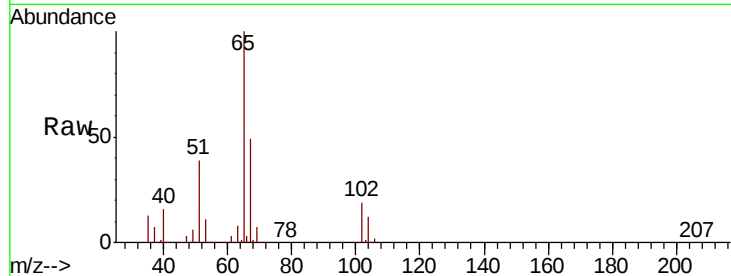




#33
 1,2-Dichloroethane-d4
 Concen: 60.904 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW009267.D
 Acq: 20 Mar 2019 05:06

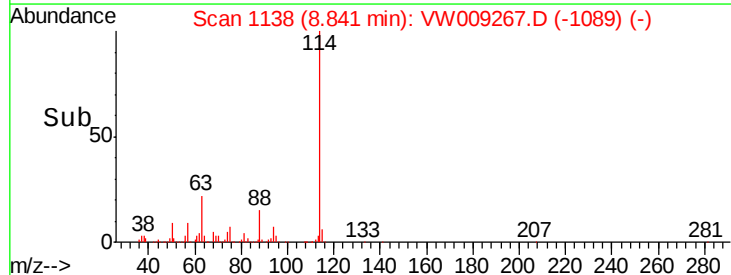
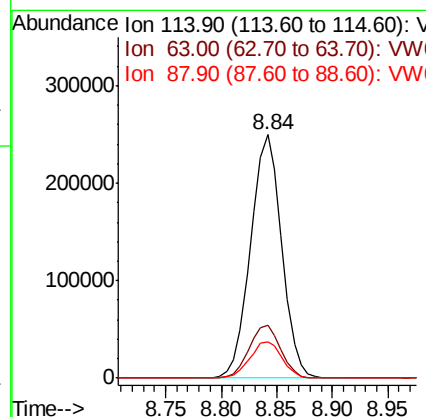
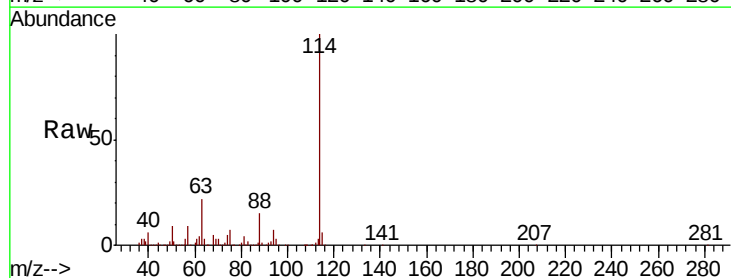
Instrument :
 MSVOA_W
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 SB-11(14-15)

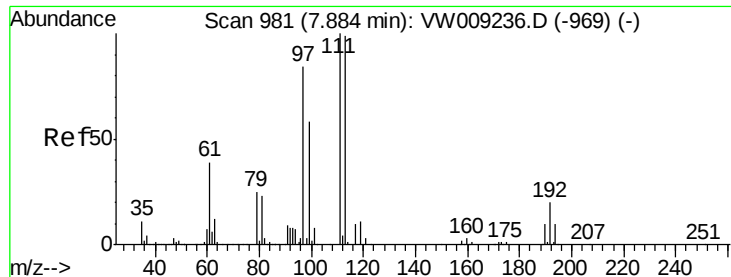
Tot Ion: 65 Resp: 189823
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009267.D
 Acq: 20 Mar 2019 05:06

Tgt Ion: 114 Resp: 484769
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 42.2
 88 15.2 0.0 30.8





#35

Dibromofluoromethane

Concen: 52.354 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW009267.D

Acq: 20 Mar 2019 05:06

Instrument :

MSVOA_W

ClientSampleId :

SB-11(14-15)

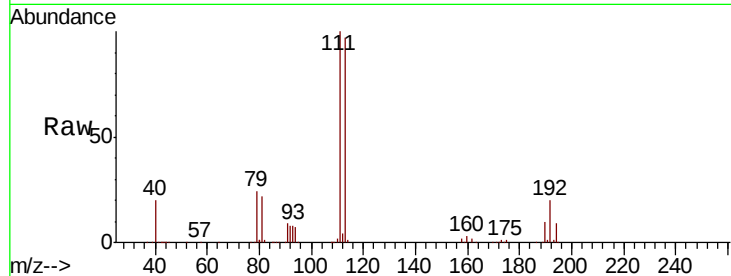
Tot Ion:113 Resp: 160993

Ion Ratio Lower Upper

113 100

111 103.7 82.6 124.0

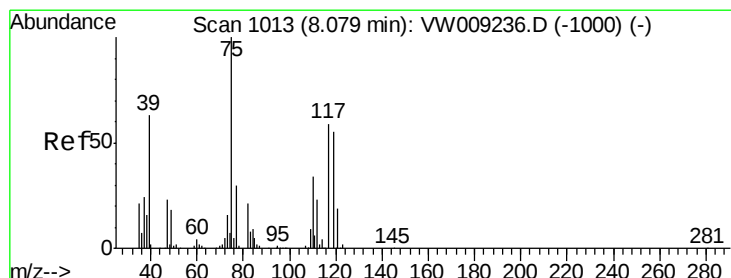
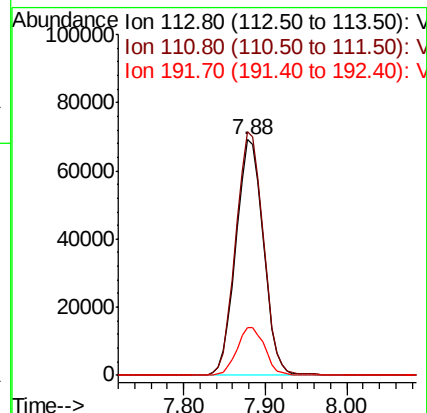
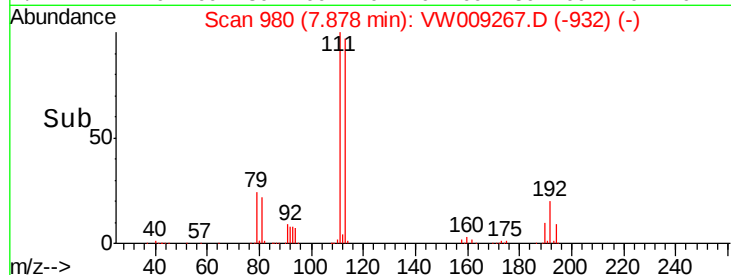
192 20.4 16.4 24.6



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: 5.025 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009267.D

Acq: 20 Mar 2019 05:06

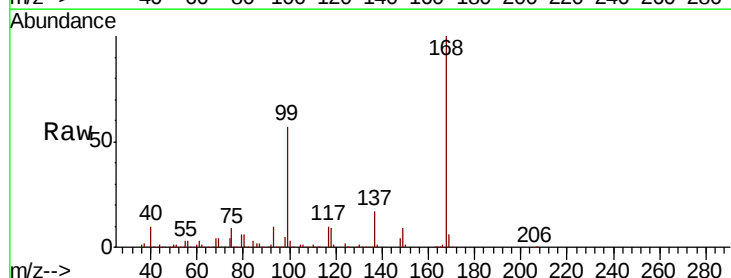
Tgt Ion: 75 Resp: 24239

Ion Ratio Lower Upper

75 100

110 9.4 16.8 50.4#

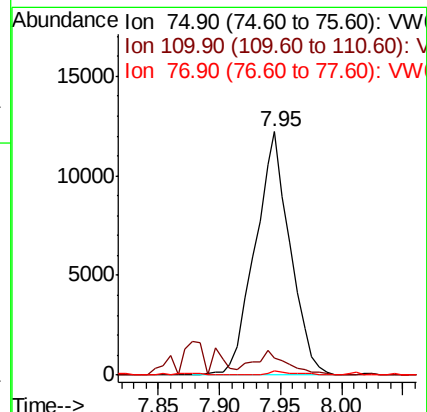
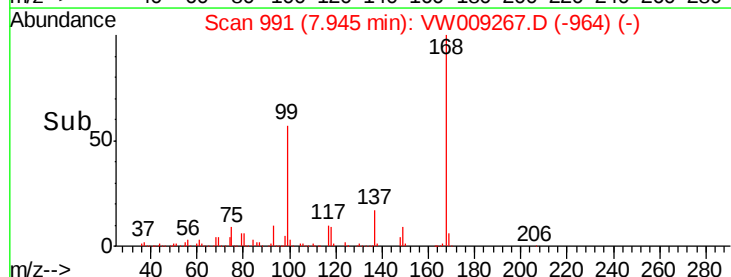
77 1.0 24.6 36.8#

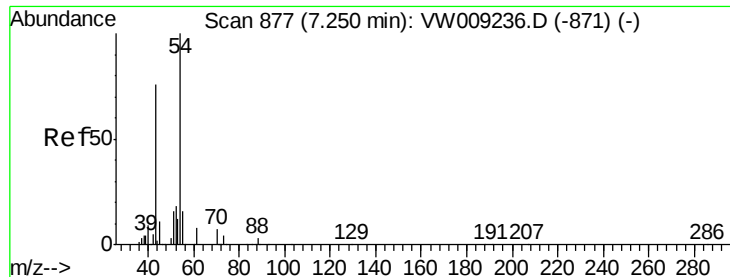


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

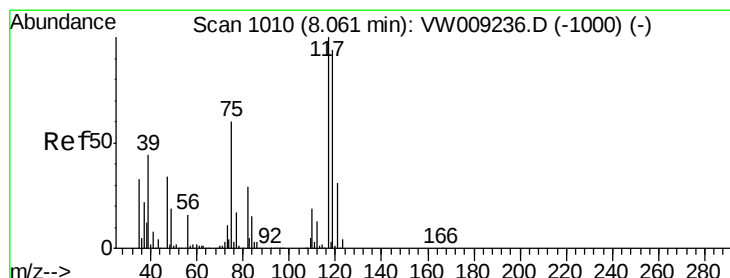
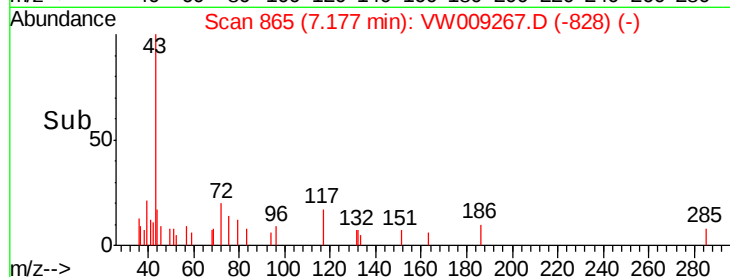
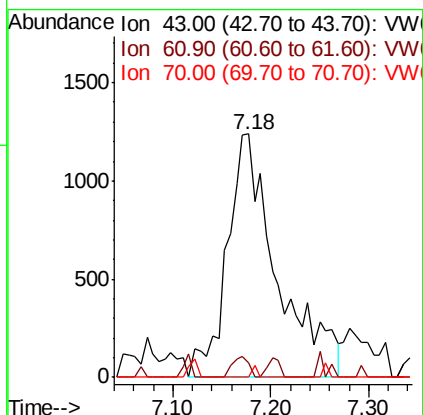
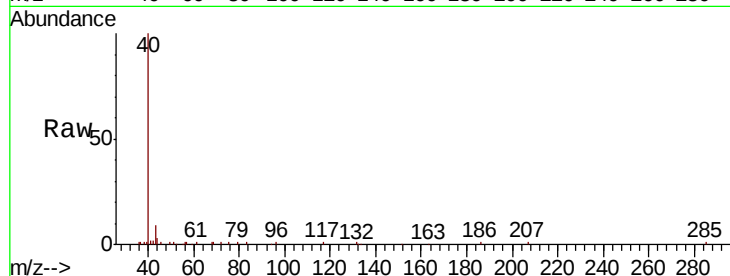




#37
Ethyl Acetate
Concen: 2.005 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.07 min
Lab File: VW009267.D
Acq: 20 Mar 2019 05:06

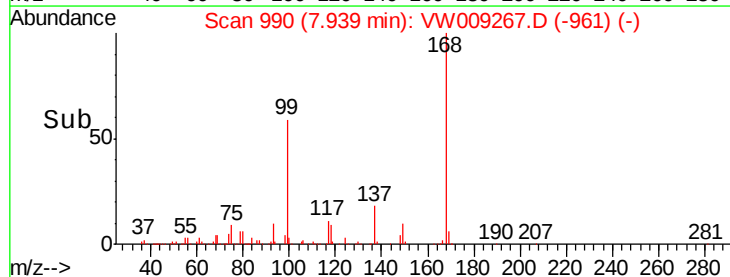
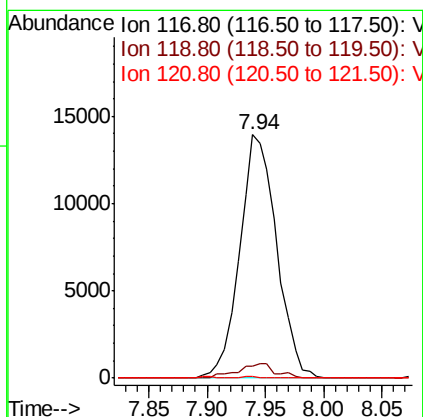
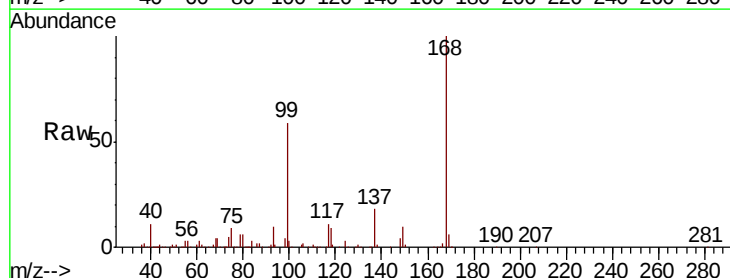
Instrument :
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SB-11(14-15)

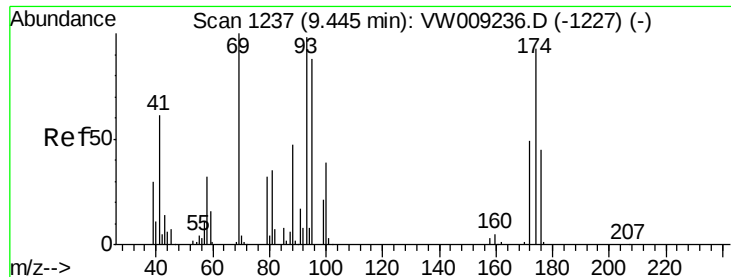
Tot Ion	Ratio	Lower	Upper
43	100		
61	2.8	10.0	15.0#
70	0.5	7.3	10.9#



#38
Carbon Tetrachloride
Concen: 6.014 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.12 min
Lab File: VW009267.D
Acq: 20 Mar 2019 05:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	75.4	113.0#
121	0.5	24.9	37.3#





#49

1,4-Dioxane

Concen: 1.692 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW009267.D

Acq: 20 Mar 2019 05:06

Instrument :

MSVOA_W

ClientSampleId :

SB-11(14-15)

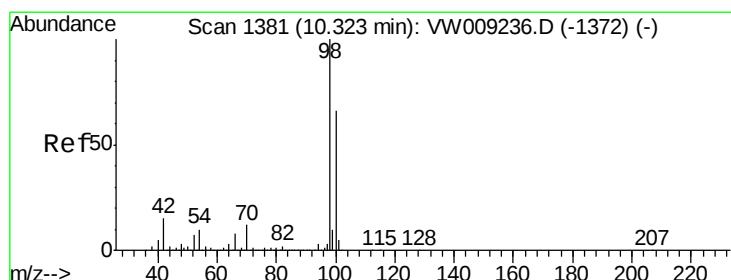
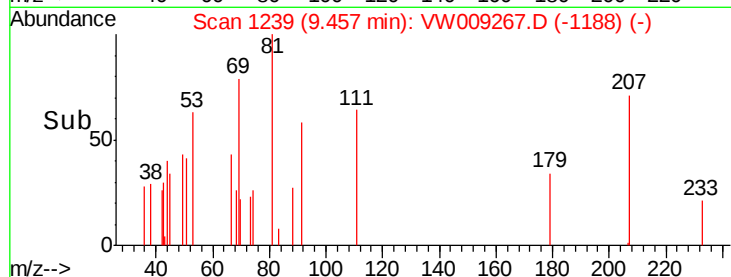
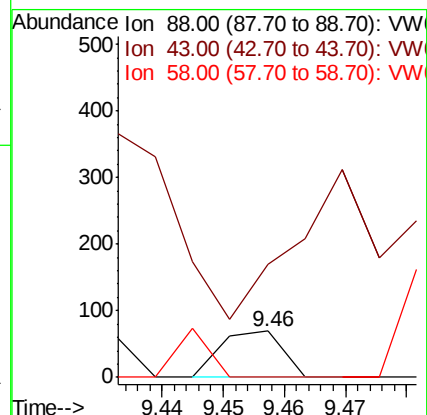
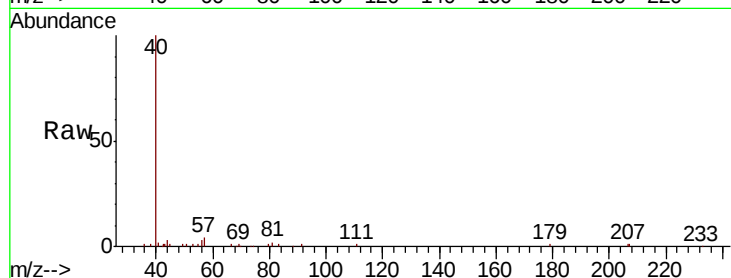
Tot Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 0.0 29.7 44.5#

58 56.3 58.1 87.1#



#50

Toluene-d8

Concen: 53.924 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009267.D

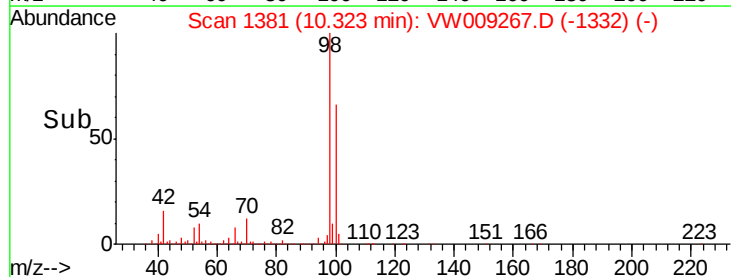
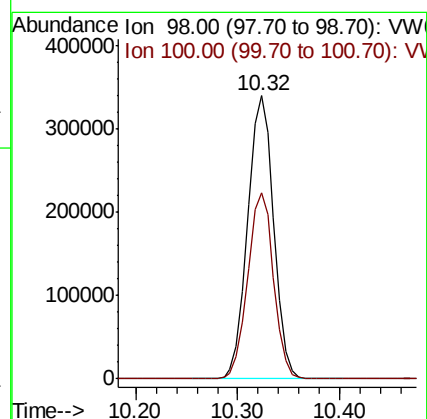
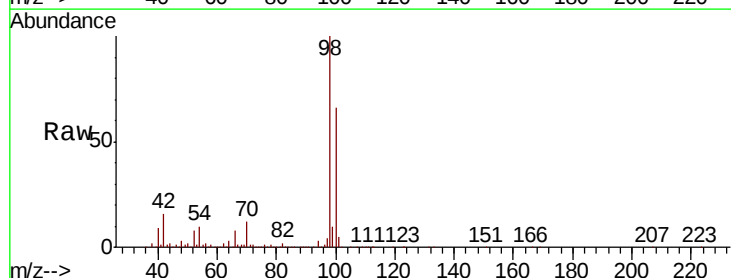
Acq: 20 Mar 2019 05:06

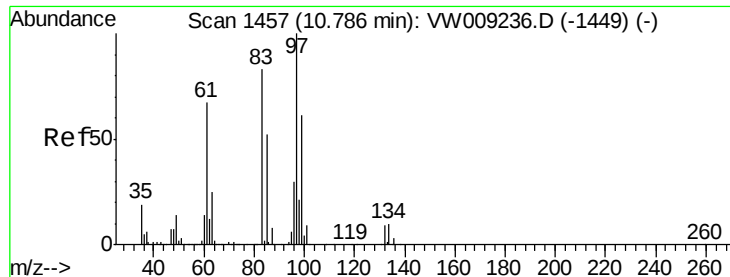
Tgt Ion: 98 Resp: 602610

Ion Ratio Lower Upper

98 100

100 65.2 52.6 79.0





#55

1,1,2-Trichloroethane

Concen: 1.052 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW009267.D

Acq: 20 Mar 2019 05:06

Instrument :

MSVOA_W

ClientSampleId :

SB-11(14-15)

Tot Ion: 97 Resp: 2606

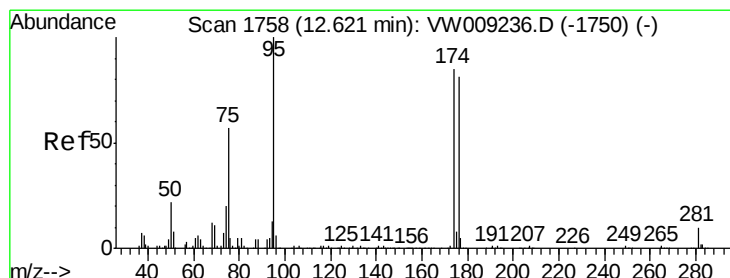
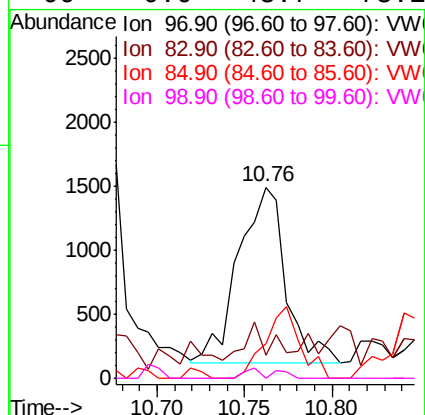
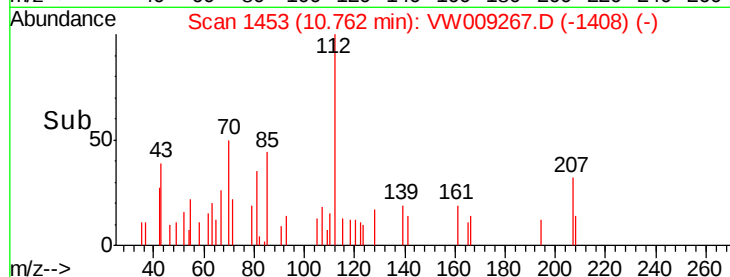
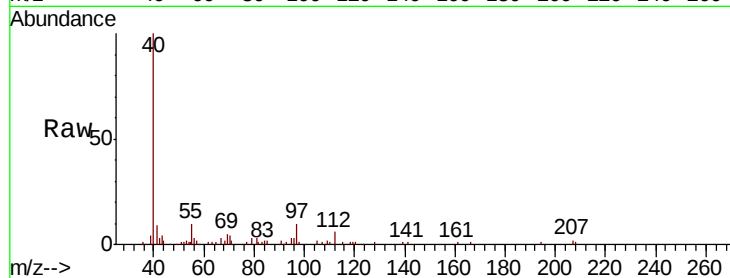
Ion Ratio Lower Upper

97 100

83 0.0 66.3 99.5#

85 19.8 41.4 62.2#

99 0.0 48.7 73.1#



#62

4-Bromofluorobenzene

Concen: 52.127 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW009267.D

Acq: 20 Mar 2019 05:06

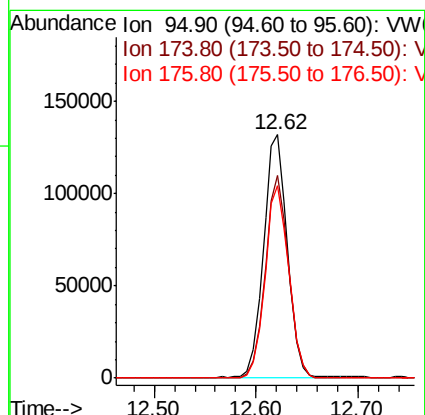
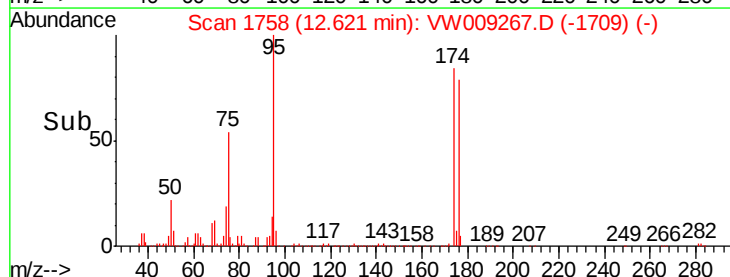
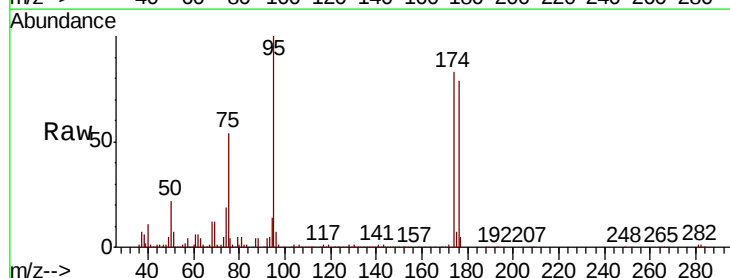
Tgt Ion: 95 Resp: 213885

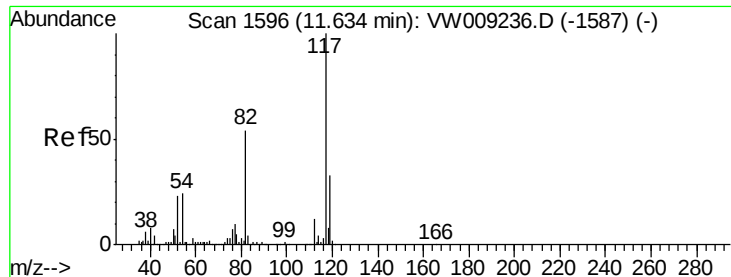
Ion Ratio Lower Upper

95 100

174 81.0 0.0 168.4

176 78.3 0.0 161.6

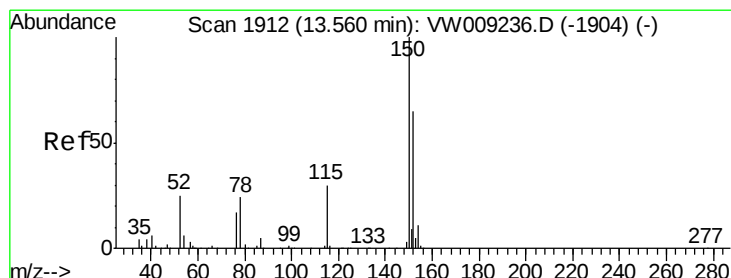
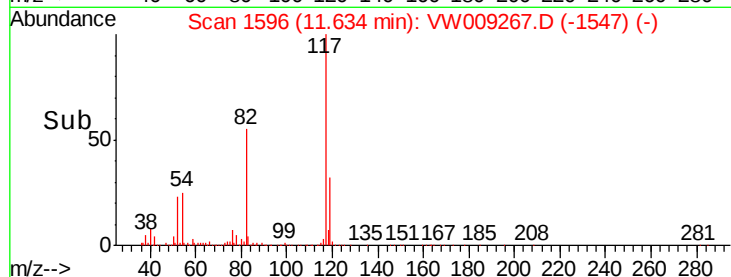
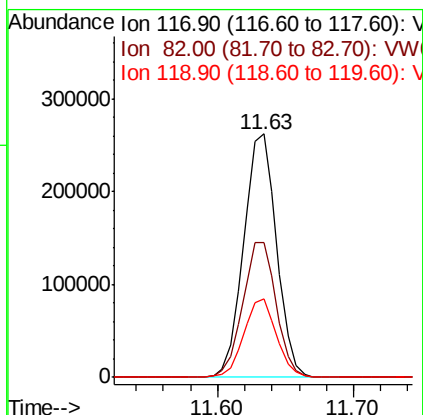
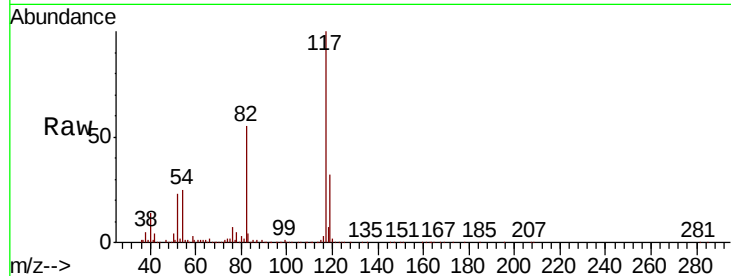




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW009267.D
Acq: 20 Mar 2019 05:06

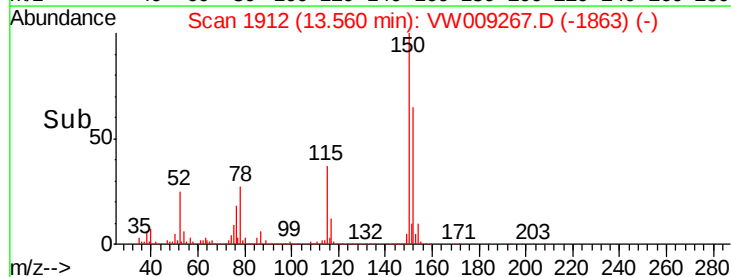
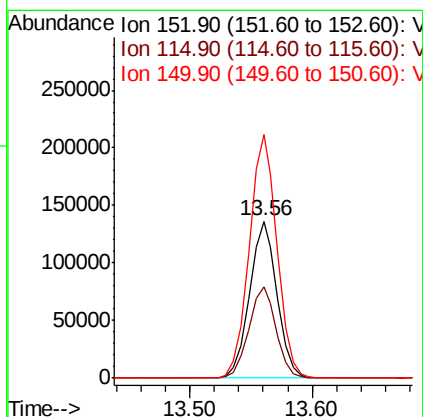
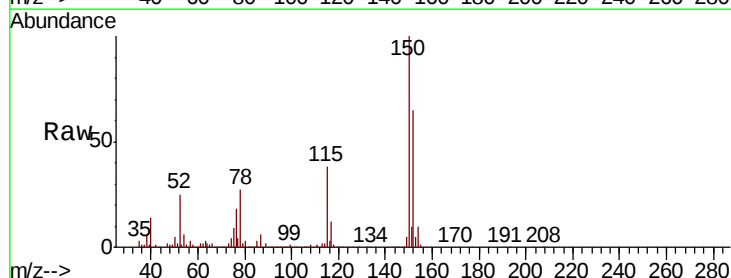
Instrument :
MSVOA_W
ClientSampleId :
SB-11(14-15)

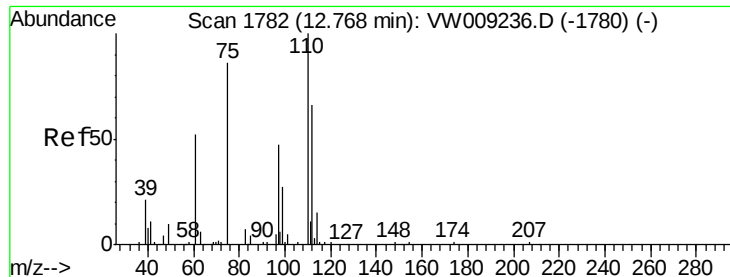
Tot Ion:117 Resp: 444449
Ion Ratio Lower Upper
117 100
82 55.2 43.6 65.4
119 32.2 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW009267.D
Acq: 20 Mar 2019 05:06

Tgt Ion:152 Resp: 211655
Ion Ratio Lower Upper
152 100
115 58.3 29.6 88.8
150 156.9 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 59.041 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW009267.D

Acq: 20 Mar 2019 05:06

Instrument :

MSVOA_W

ClientSampled :

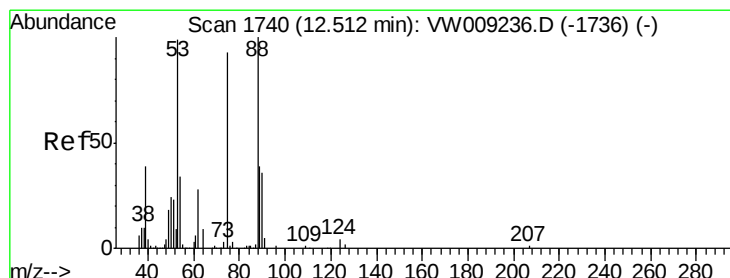
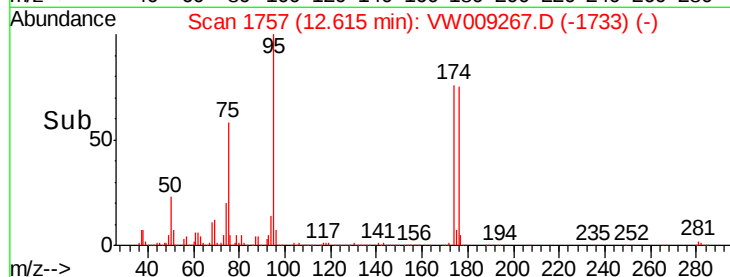
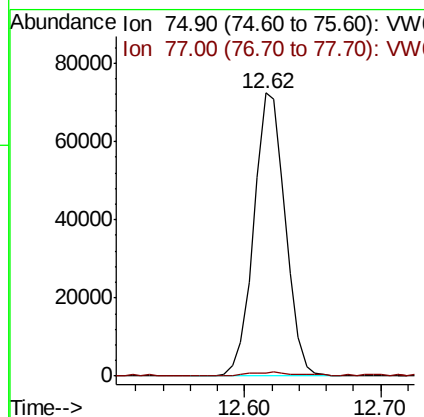
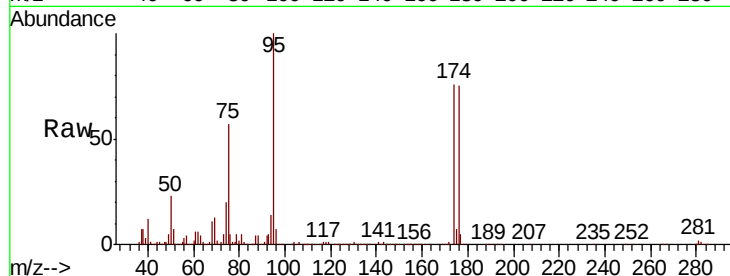
SB-11(14-15)

Tot Ion: 75 Resp: 117432

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 144.871 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW009267.D

Acq: 20 Mar 2019 05:06

Tgt Ion: 75 Resp: 117432

Ion Ratio Lower Upper

75 100

53 0.8 86.7 130.1#

89 0.0 36.4 54.6#

