

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
 Data File : VW013233.D
 Acq On : 23 Sep 2019 16:04
 Operator : SY/VA
 Sample : K4918-11RE
 Misc : 4.91G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-13RE

Quant Time: Sep 24 06:40:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	284823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	424496	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	323900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	110674	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	125814	54.12	ug/l	0.00
Spiked Amount	50.000			Recovery	=	108.24%	
35) Dibromofluoromethane		7.88	113	121642	52.10	ug/l	0.00
Spiked Amount	50.000			Recovery	=	104.20%	
50) Toluene-d8		10.32	98	469616	48.06	ug/l	0.00
Spiked Amount	50.000			Recovery	=	96.12%	
62) 4-Bromofluorobenzene		12.62	95	138400	41.47	ug/l	0.00
Spiked Amount	50.000			Recovery	=	82.94%	

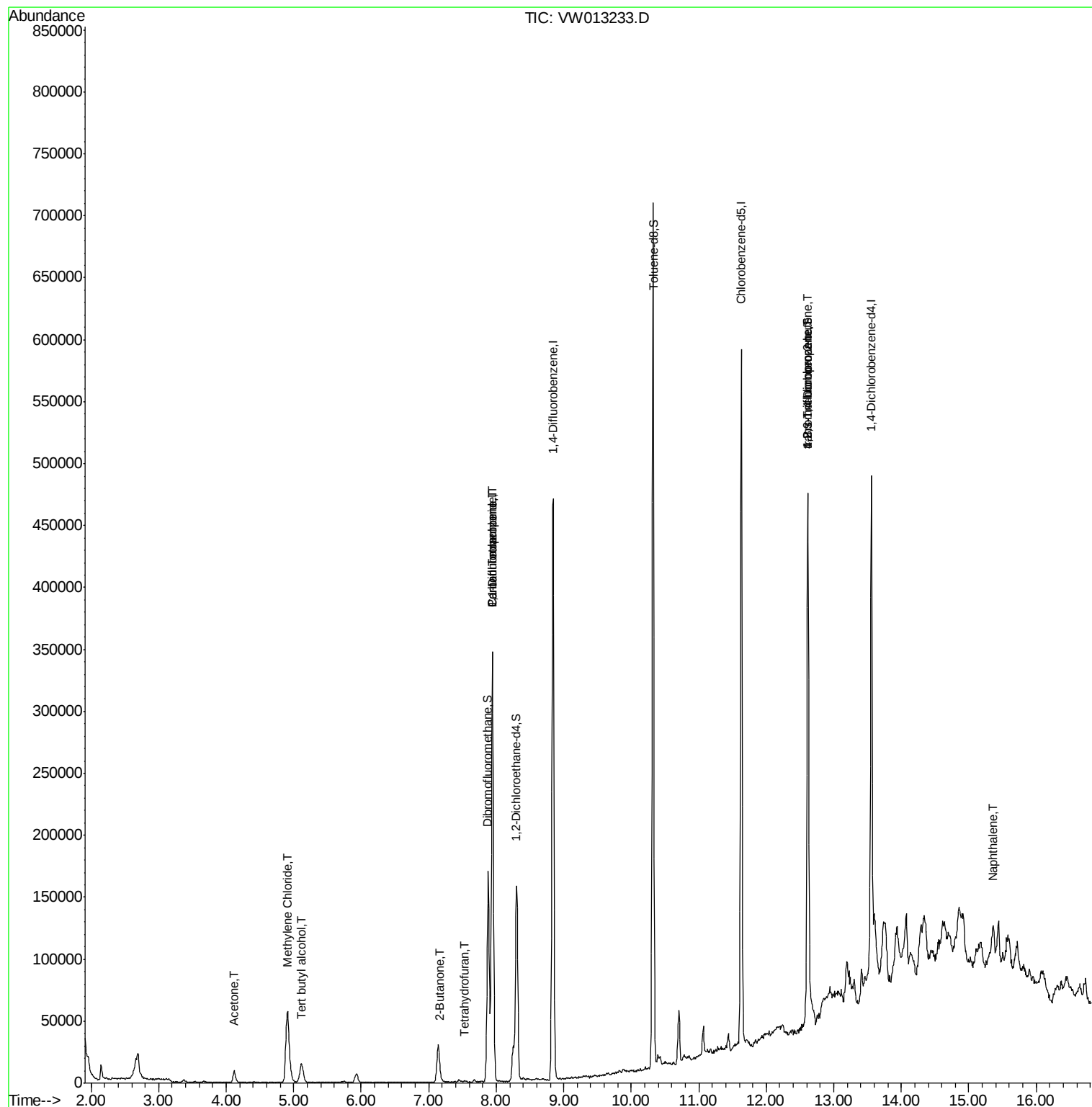
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	14469	79.575	ug/l #	73
16) Acetone	4.12	43	16037	30.592	ug/l	97
20) Methylene Chloride	4.90	84	52664	17.771	ug/l	95
25) 2-Butanone	7.17	43	1982	2.519	ug/l #	71
26) 2,2-Dichloropropane	7.13	77	2437	Below Cal	#	52
29) Tetrahydrofuran	7.54	42	673	1.395	ug/l #	62
36) 1,1-Dichloropropene	7.95	75	18205	4.428	ug/l #	46
38) Carbon Tetrachloride	7.95	117	24480	6.642	ug/l #	20
76) 1,2,3-Trichloropropane	12.62	75	61442	62.863	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	61442	141.059	ug/l #	13
95) Naphthalene	15.36	128	18202	4.815	ug/l	94

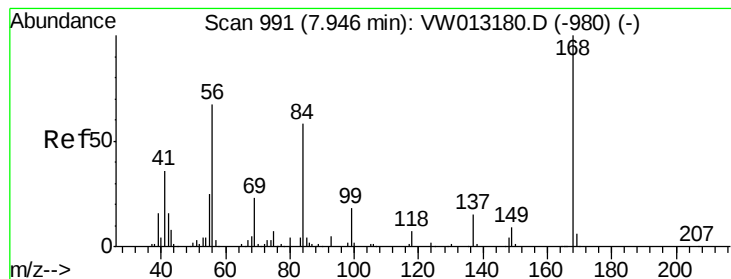
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013233.D

Acq: 23 Sep 2019 16:04

Instrument :

MSVOA_W

ClientSampleId :

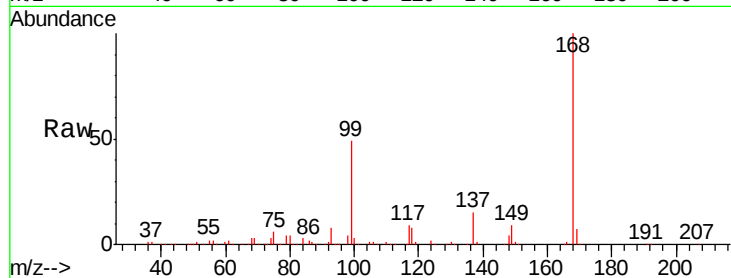
SB-13RE

Tgt Ion:168 Resp: 284823

Ion Ratio Lower Upper

168 100

99 49.3 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

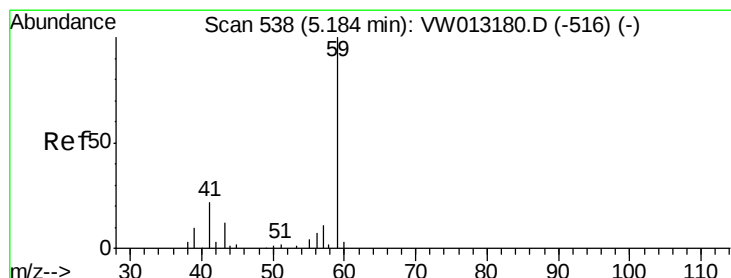
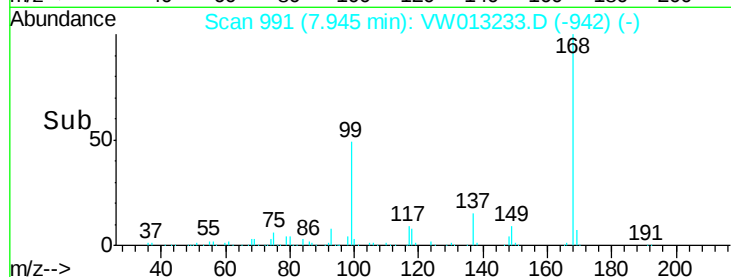
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 79.575 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.07 min

Lab File: VW013233.D

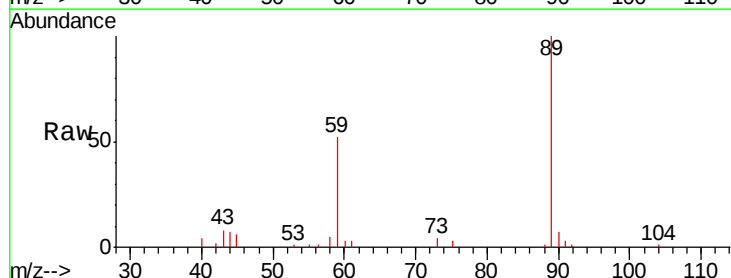
Acq: 23 Sep 2019 16:04

Tgt Ion: 59 Resp: 14469

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

4000

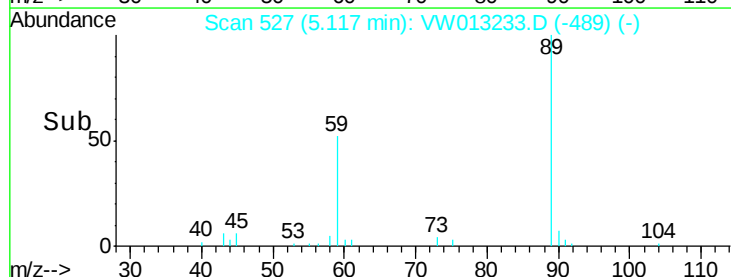
3000

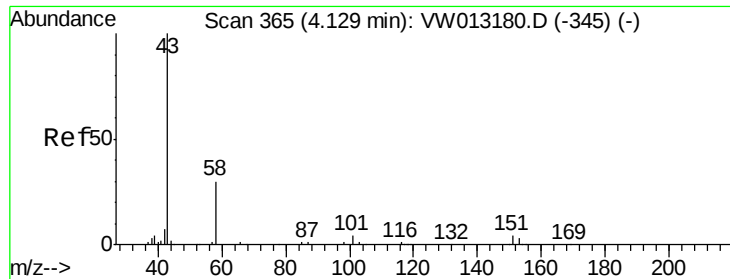
2000

1000

0

Time-->





#16

Acetone

Concen: 30.592 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW013233.D

Acq: 23 Sep 2019 16:04

Instrument :

MSVOA_W

ClientSampleId :

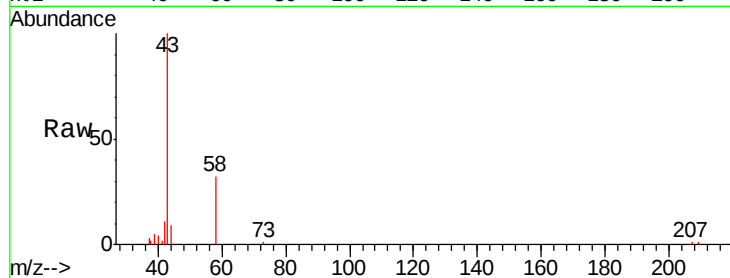
SB-13RE

Tgt Ion: 43 Resp: 16037

Ion Ratio Lower Upper

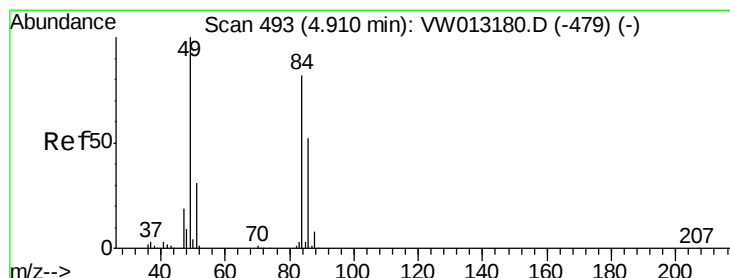
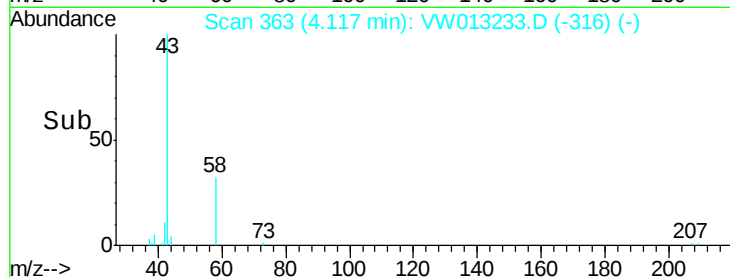
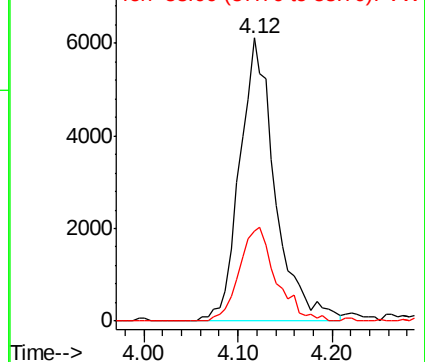
43 100

58 31.8 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 17.771 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW013233.D

Acq: 23 Sep 2019 16:04

Tgt Ion: 84 Resp: 52664

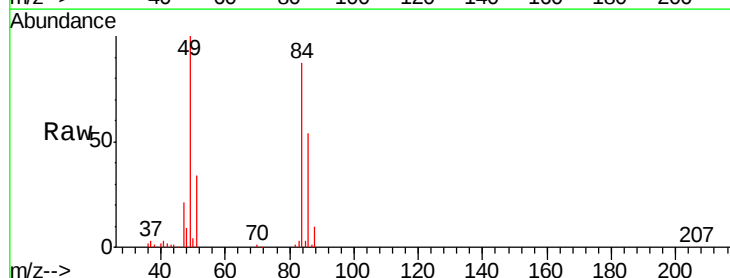
Ion Ratio Lower Upper

84 100

49 114.2 97.6 146.4

51 39.1 30.2 45.2

86 61.3 50.6 76.0

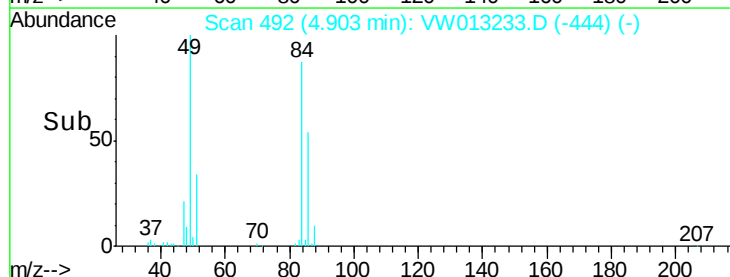
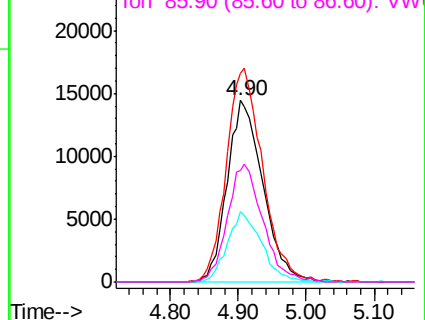


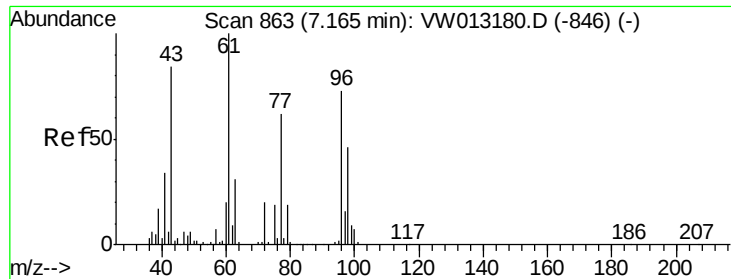
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#25

2-Butanone

Concen: 2.519 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013233.D

Acq: 23 Sep 2019 16:04

Instrument :

MSVOA_W

ClientSampleId :

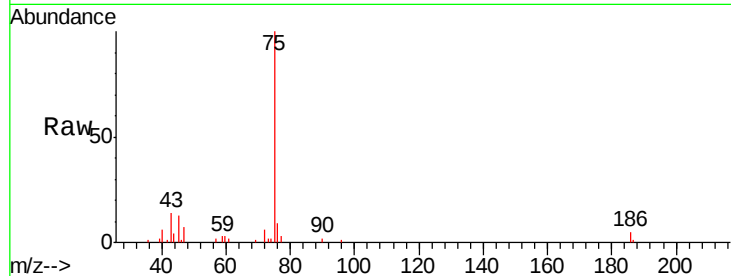
SB-13RE

Tgt Ion: 43 Resp: 1982

Ion Ratio Lower Upper

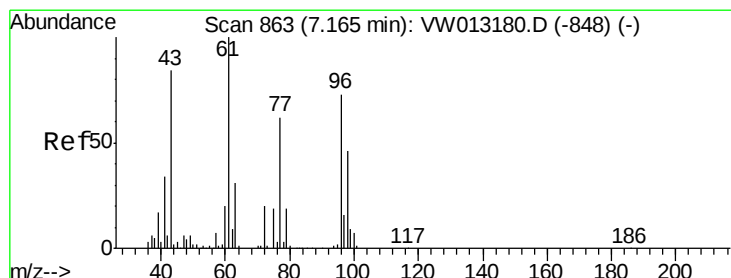
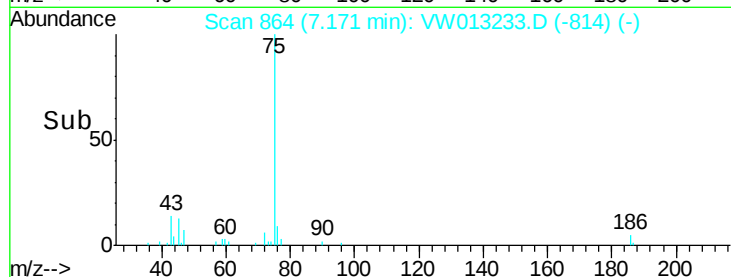
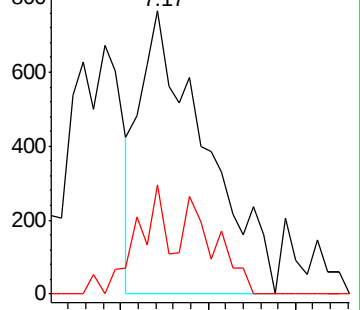
43 100

72 38.7 19.4 29.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW013233.D

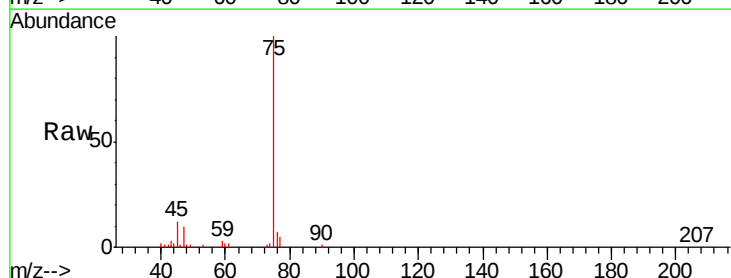
Acq: 23 Sep 2019 16:04

Tgt Ion: 77 Resp: 2437

Ion Ratio Lower Upper

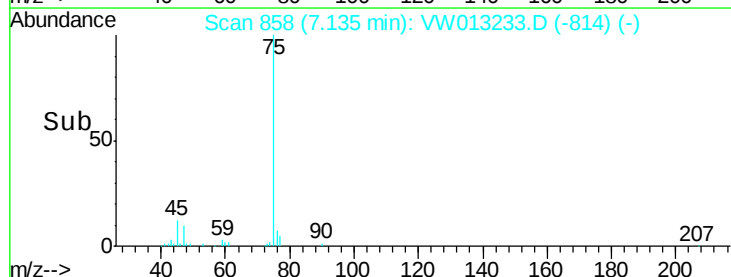
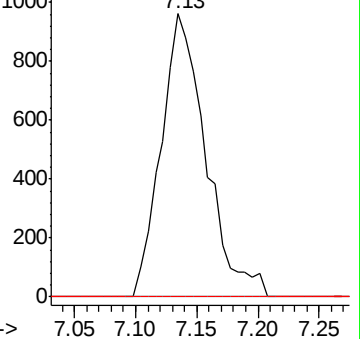
77 100

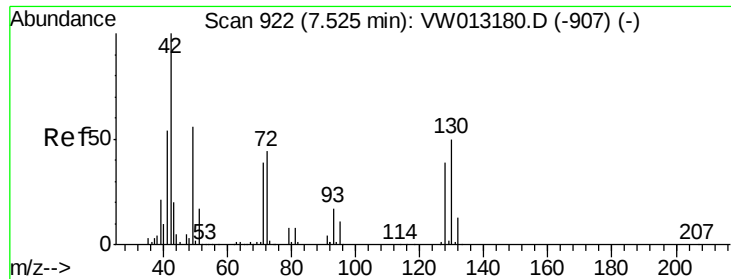
97 0.0 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

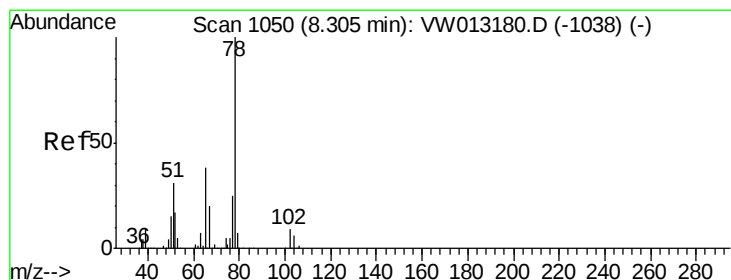
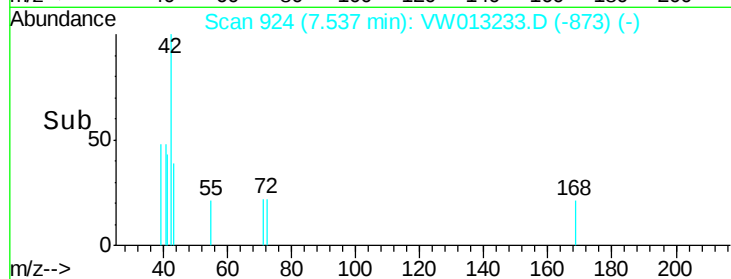
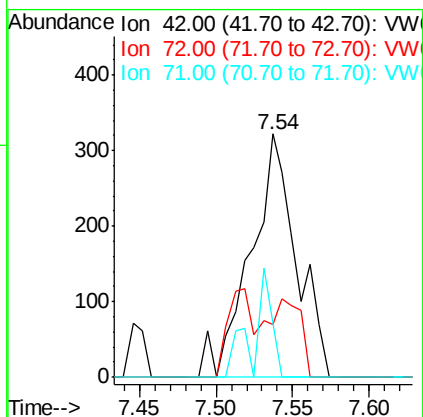
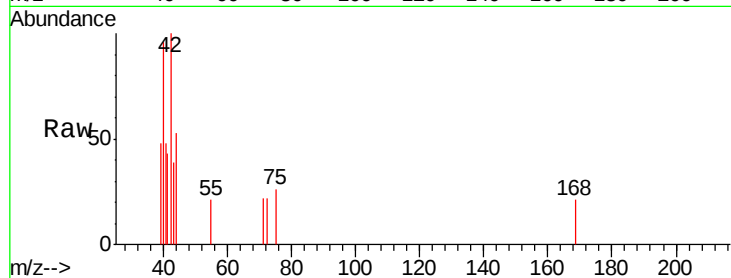




#29
Tetrahydrofuran
Concen: 1.395 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW013233.D
Acq: 23 Sep 2019 16:04

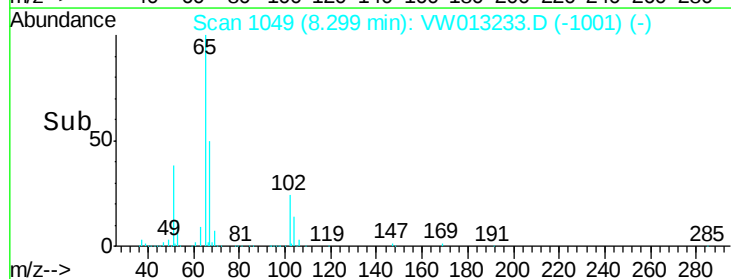
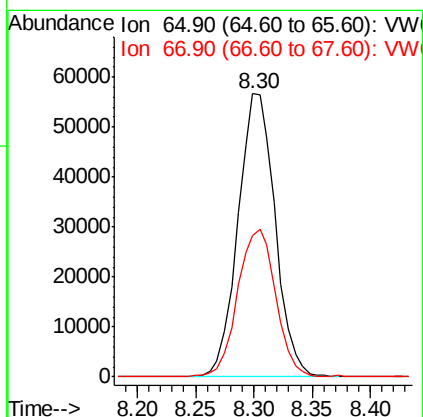
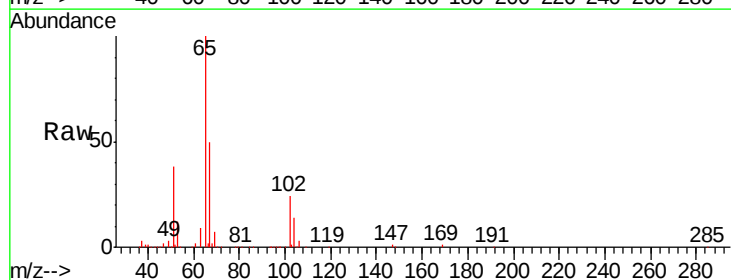
Instrument :
MSVOA_W
ClientSampleId :
SB-13RE

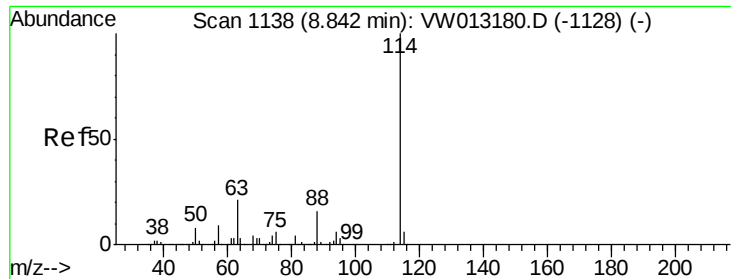
Tgt Ion: 42 Resp: 673
Ion Ratio Lower Upper
42 100
72 15.6 33.9 50.9#
71 18.6 31.9 47.9#



#33
1,2-Dichloroethane-d4
Concen: 54.124 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW013233.D
Acq: 23 Sep 2019 16:04

Tgt Ion: 65 Resp: 125814
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.2

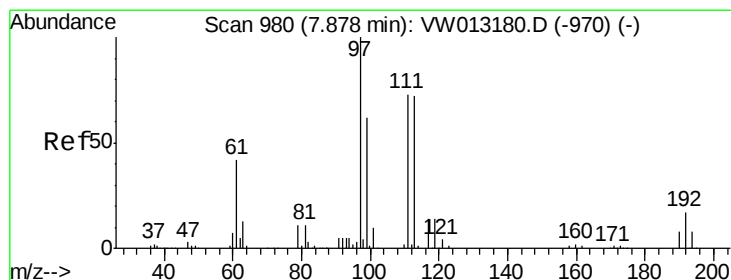
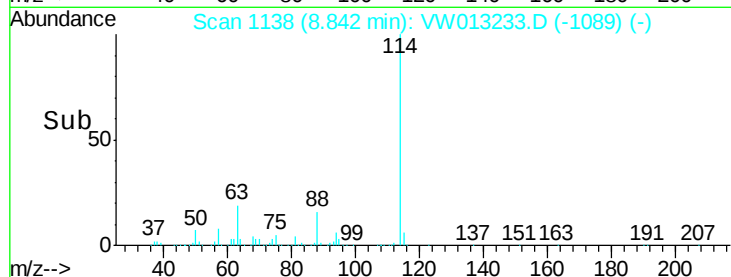
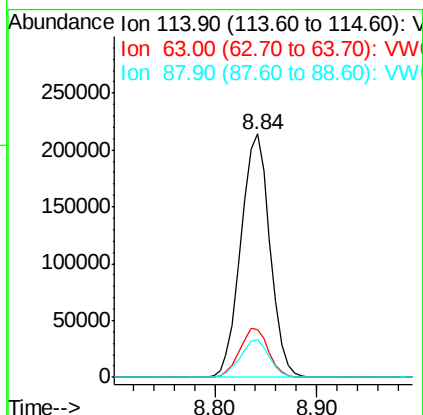
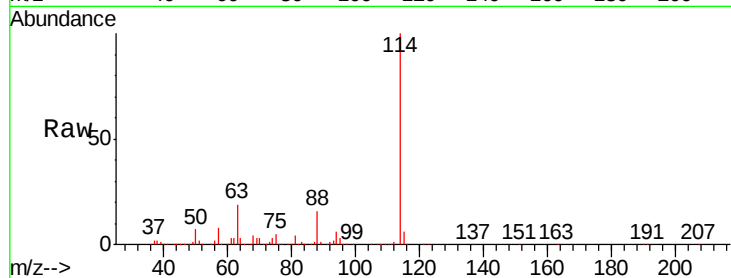




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013233.D
 Acq: 23 Sep 2019 16:04

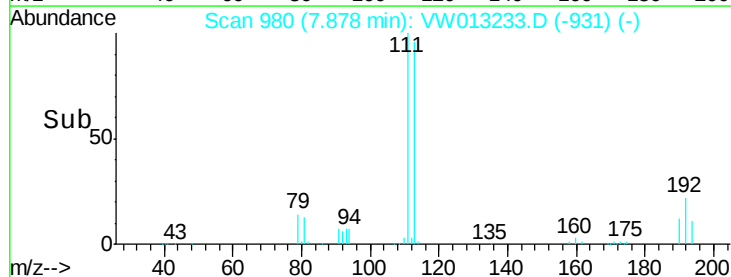
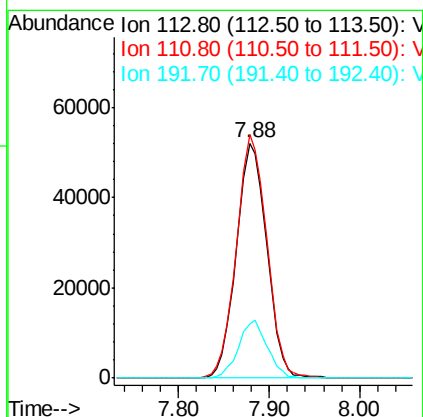
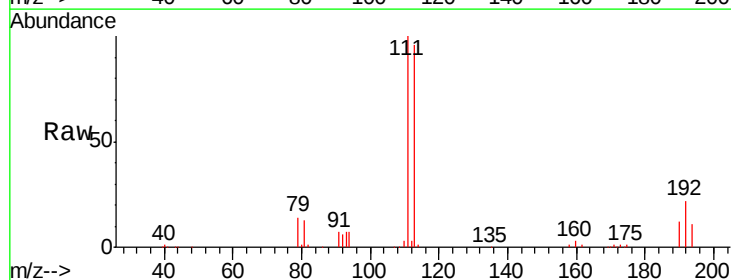
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-13RE

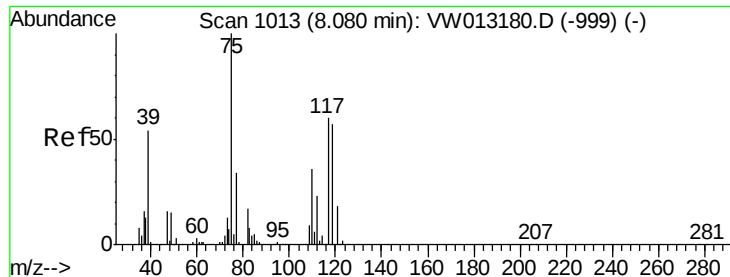
Tgt Ion:114 Resp: 424496
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 41.4
 88 15.6 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 52.101 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013233.D
 Acq: 23 Sep 2019 16:04

Tgt Ion:113 Resp: 121642
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.9 122.9
 192 23.3 19.1 28.7

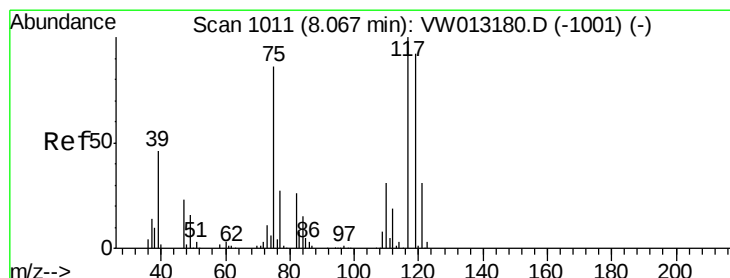
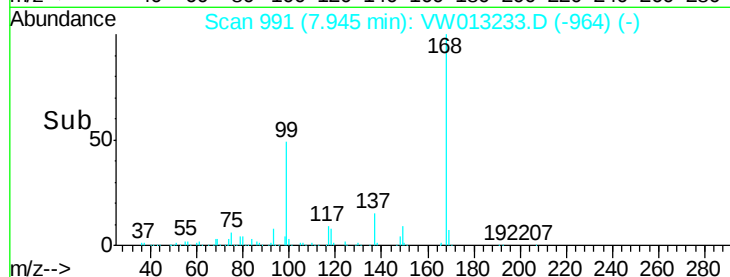
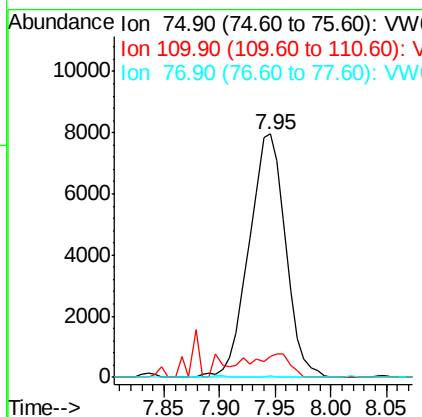
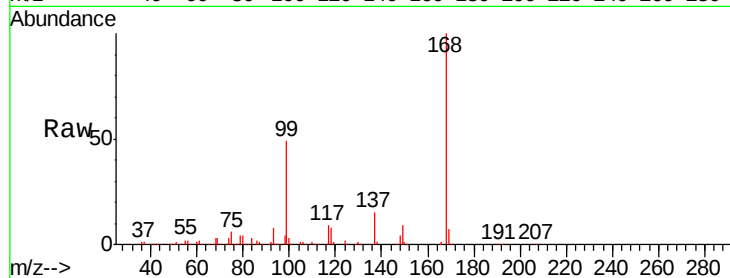




#36
 1,1-Dichloropropene
 Concen: 4.428 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013233.D
 Acq: 23 Sep 2019 16:04

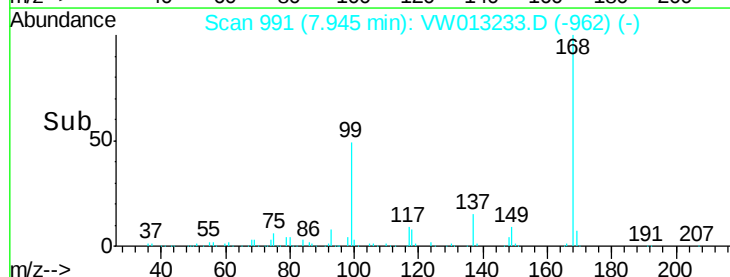
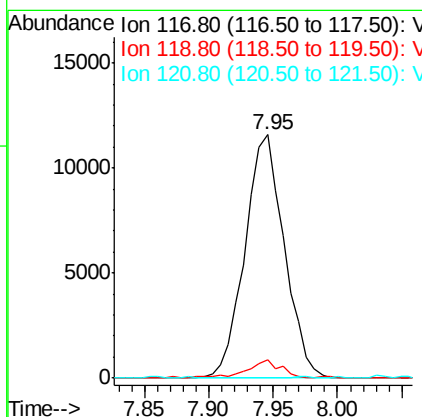
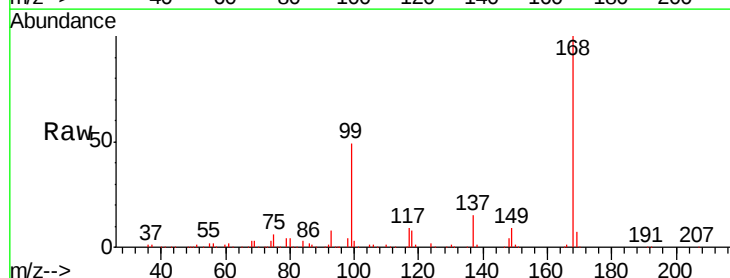
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-13RE

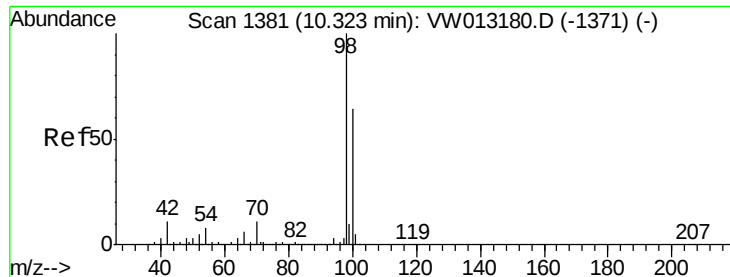
Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.7	18.1	54.3#
77	0.1	25.8	38.6#



#38
 Carbon Tetrachloride
 Concen: 6.642 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013233.D
 Acq: 23 Sep 2019 16:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.7	73.5	110.3#
121	0.0	25.0	37.6#





#50

Toluene-d8

Concen: 48.062 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013233.D

Acq: 23 Sep 2019 16:04

Instrument :

MSVOA_W

ClientSampleId :

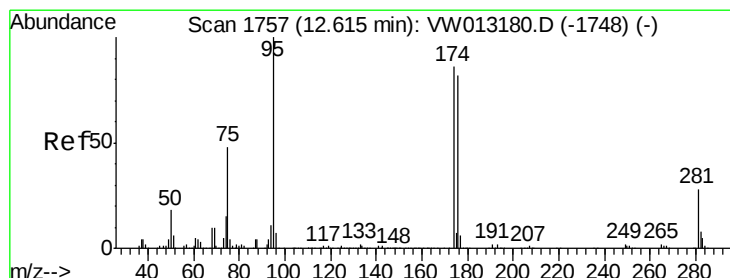
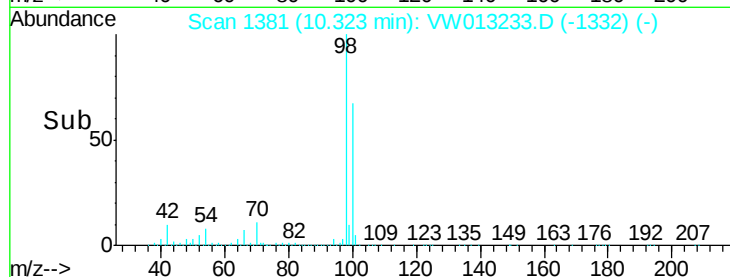
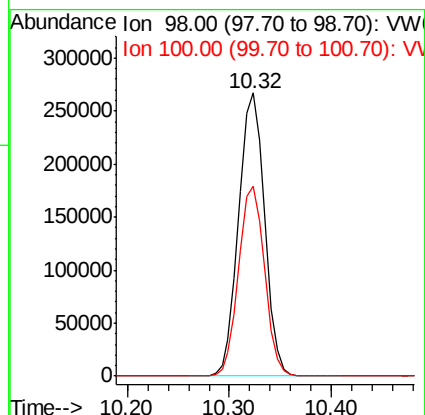
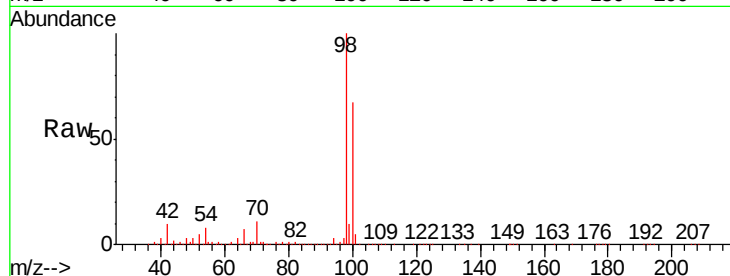
SB-13RE

Tgt Ion: 98 Resp: 469616

Ion Ratio Lower Upper

98 100

100 67.0 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 41.465 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013233.D

Acq: 23 Sep 2019 16:04

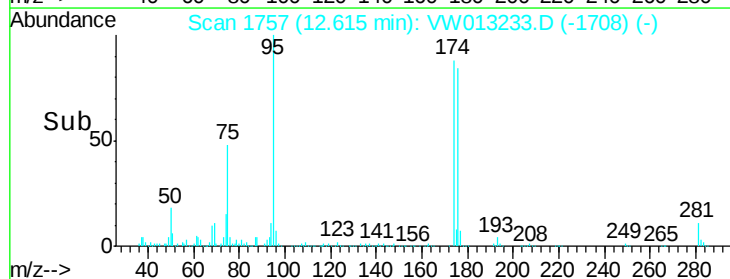
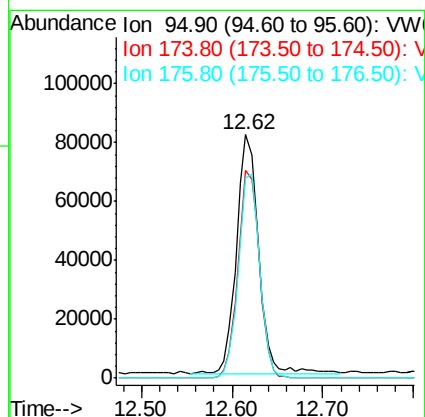
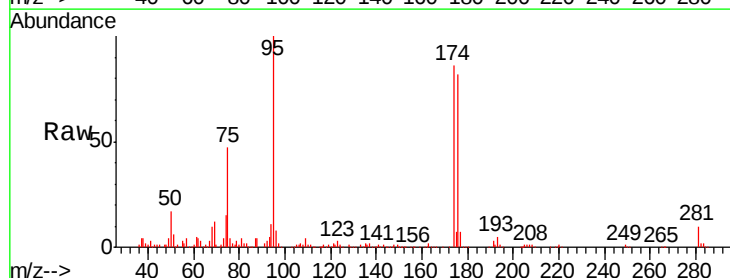
Tgt Ion: 95 Resp: 138400

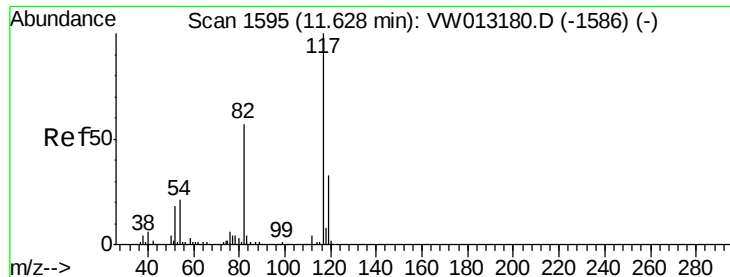
Ion Ratio Lower Upper

95 100

174 83.6 0.0 178.4

176 81.5 0.0 172.2

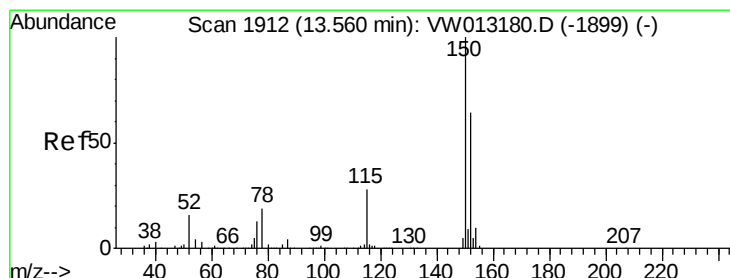
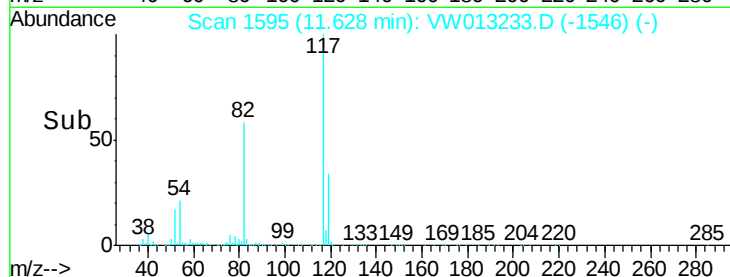
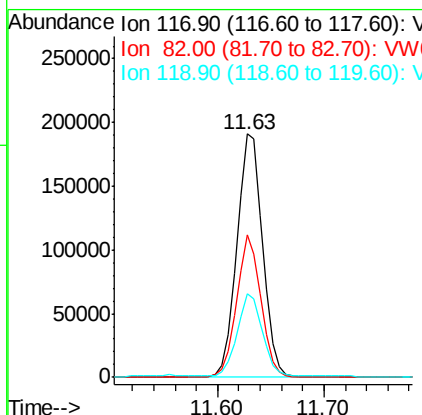
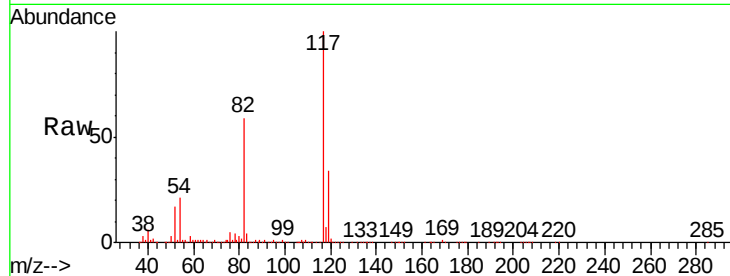




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013233.D
Acq: 23 Sep 2019 16:04

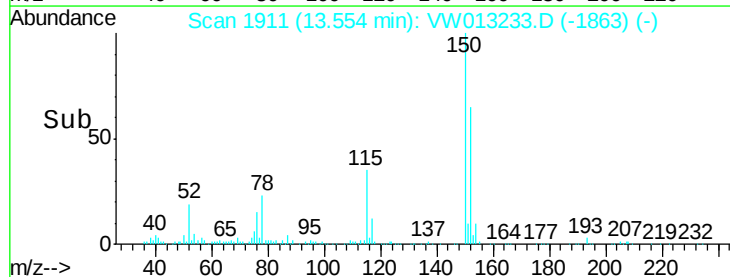
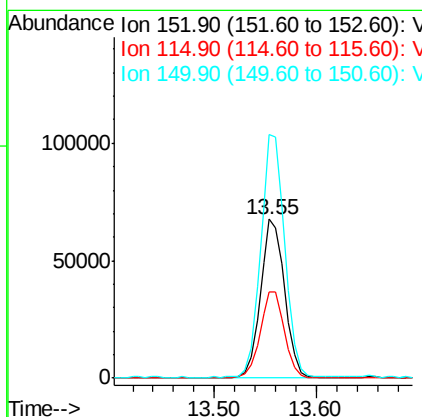
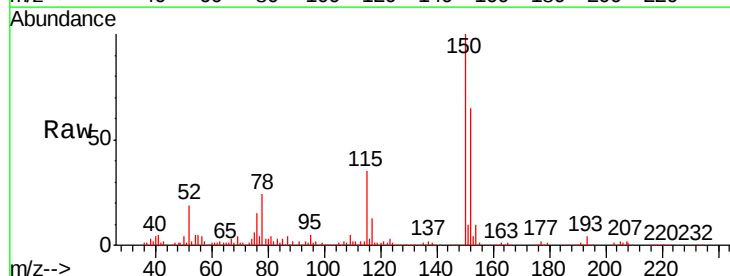
Instrument :
MSVOA_W
ClientSampleId :
SB-13RE

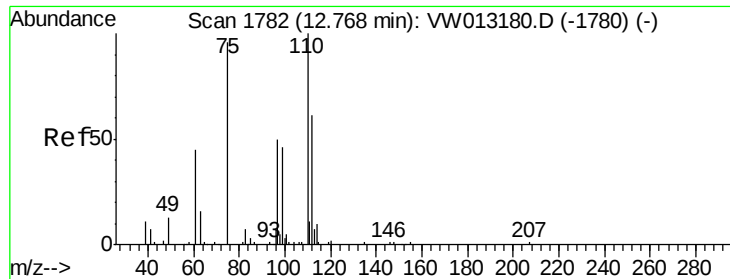
Tgt Ion:117 Resp: 323900
Ion Ratio Lower Upper
117 100
82 58.5 45.9 68.9
119 33.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013233.D
Acq: 23 Sep 2019 16:04

Tgt Ion:152 Resp: 110674
Ion Ratio Lower Upper
152 100
115 54.7 27.3 81.9
150 152.6 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 62.863 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013233.D

Acq: 23 Sep 2019 16:04

Instrument :

MSVOA_W

ClientSampleId :

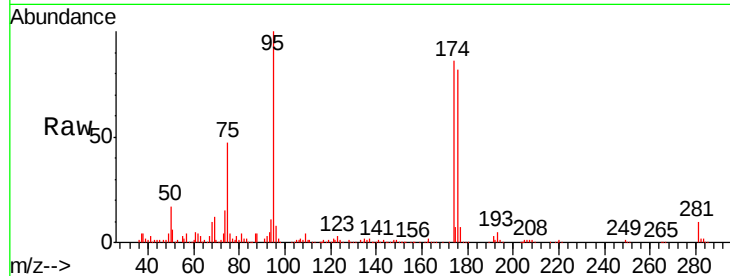
SB-13RE

Tgt Ion: 75 Resp: 61442

Ion Ratio Lower Upper

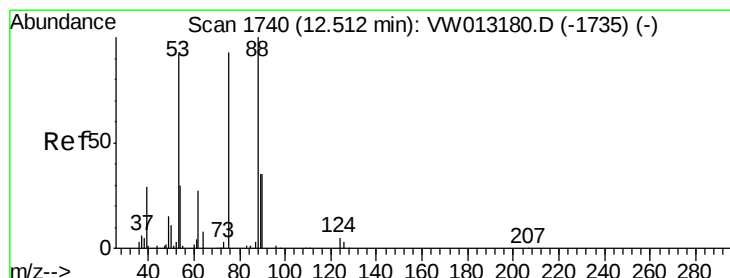
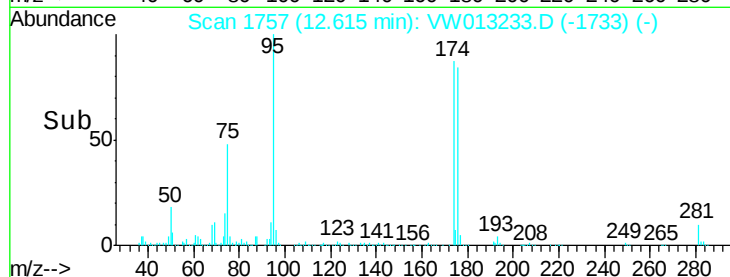
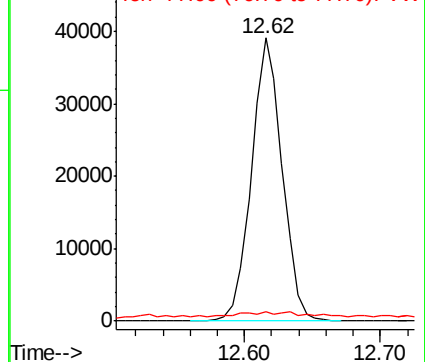
75 100

77 2.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 141.059 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013233.D

Acq: 23 Sep 2019 16:04

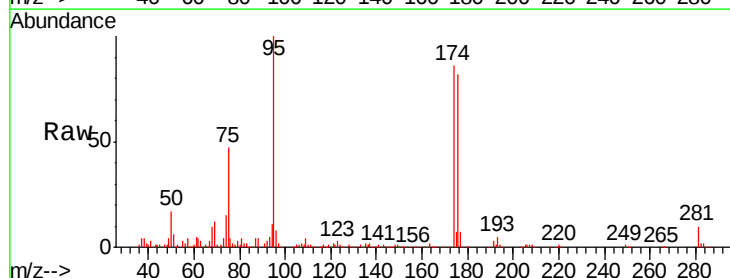
Tgt Ion: 75 Resp: 61442

Ion Ratio Lower Upper

75 100

53 1.3 76.6 114.8#

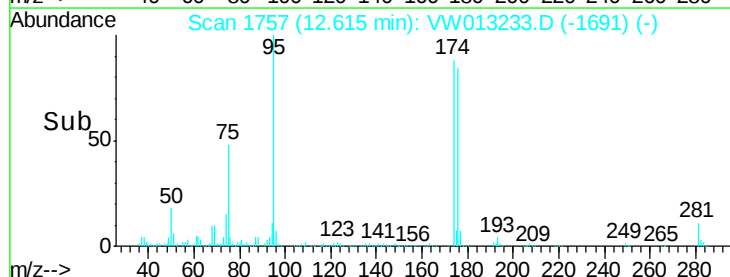
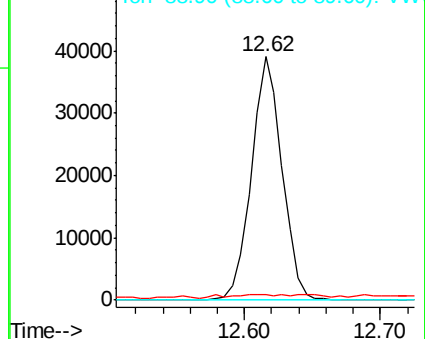
89 0.1 33.5 50.3#

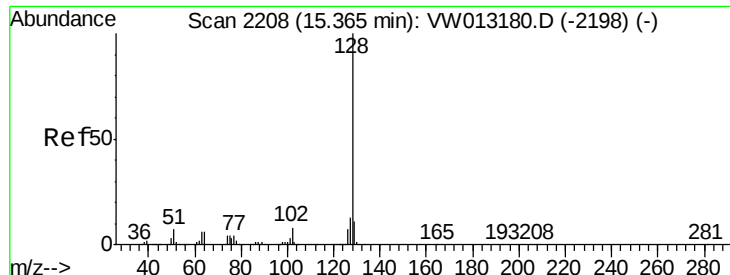


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

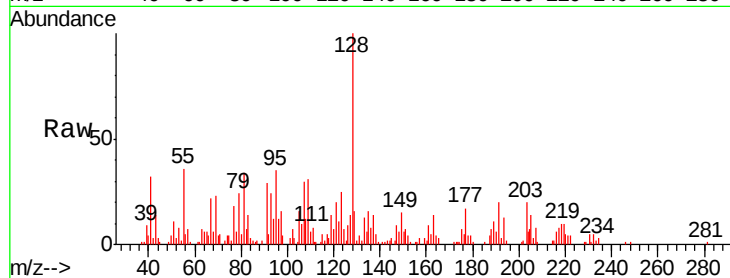




#95
Naphthalene
Concen: 4.815 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013233.D
Acq: 23 Sep 2019 16:04

Instrument :
MSVOA_W
ClientSampleId :
SB-13RE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.8	10.6	15.8
129	13.0	8.7	13.1



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

