

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112618\
 Data File : VW007041.D
 Acq On : 26 Nov 2018 12:36
 Operator : VAY/AP
 Sample : J5999-04RE
 Misc : 5.45G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SSSI-1115-S-AB-1RE

Quant Time: Nov 26 15:09:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	10800	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	16184	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	11308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	2323	50.00	ug/l	0.00

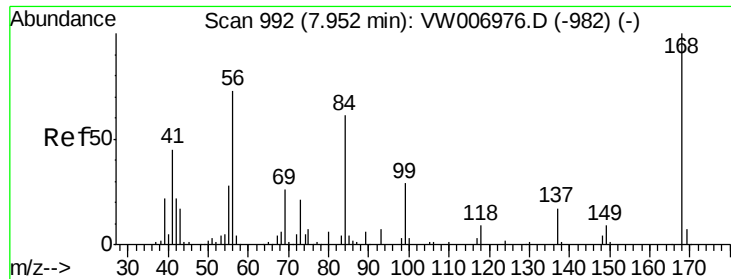
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	4519	42.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.48%	
35) Dibromofluoromethane	7.88	113	4501	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
50) Toluene-d8	10.33	98	16415	40.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.34%	
62) 4-Bromofluorobenzene	12.62	95	3807	23.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.94%	

Target Compounds

						Qvalue
6) Chloroethane	2.94	64	277	5.75	ug/l #	43
16) Acetone	4.13	43	50	3.26	ug/l #	44
31) Cyclohexane	7.96	56	214	1.05	ug/l #	34
36) 1,1-Dichloropropene	7.95	75	759	4.80	ug/l #	41
38) Carbon Tetrachloride	7.96	117	1163	7.68	ug/l #	13
68) m/p-Xylenes	11.86	106	210	1.23	ug/l	77
76) 1,2,3-Trichloropropane	12.62	75	1887	103.37	ug/l #	100
78) n-propylbenzene	12.81	91	282	1.29	ug/l #	52
79) 2-Chlorotoluene	12.90	91	159	1.26	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.95	105	194	1.24	ug/l #	29
81) trans-1,4-Dichloro-2-buten	12.62	75	1887	259.53	ug/l #	10
82) 4-Chlorotoluene	13.01	91	229	1.73	ug/l #	42
84) 1,2,4-Trimethylbenzene	13.26	105	392	2.52	ug/l	72
86) p-Isopropyltoluene	13.49	119	198	1.18	ug/l #	50
87) 1,3-Dichlorobenzene	13.59	146	142	1.79	ug/l	84
88) 1,4-Dichlorobenzene	13.59	146	142	1.80	ug/l	86
89) n-Butylbenzene	13.83	91	172	1.08	ug/l #	45
91) 1,2-Dichlorobenzene	13.87	146	84	1.21	ug/l #	24
95) Naphthalene	15.38	128	328	3.95	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW007041.D

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MSVOA_W

ClientSampleId :

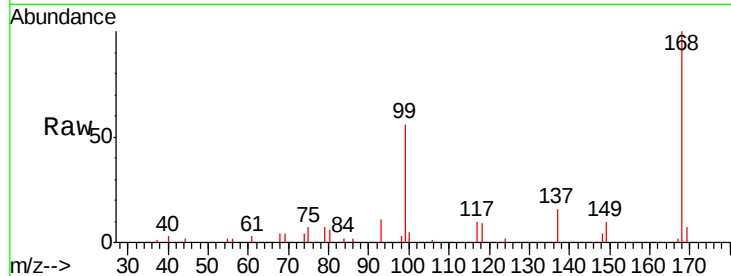
SSSI-1115-S-AB-1RE

Tgt Ion: 168 Resp: 10800

Ion Ratio Lower Upper

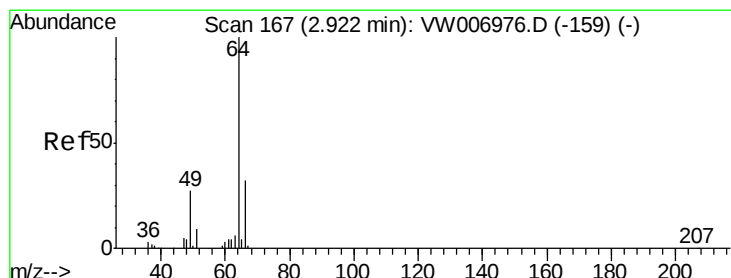
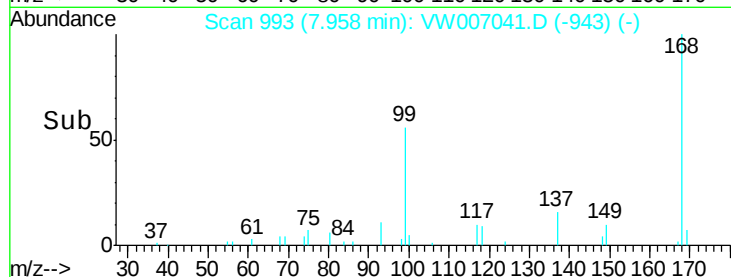
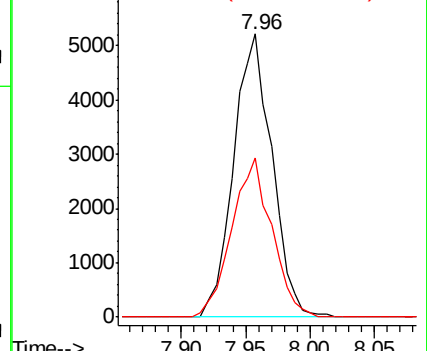
168 100

99 56.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#6

Chloroethane

Concen: 5.75 ug/l

RT: 2.94 min Scan# 170

Delta R.T. 0.02 min

Lab File: VW007041.D

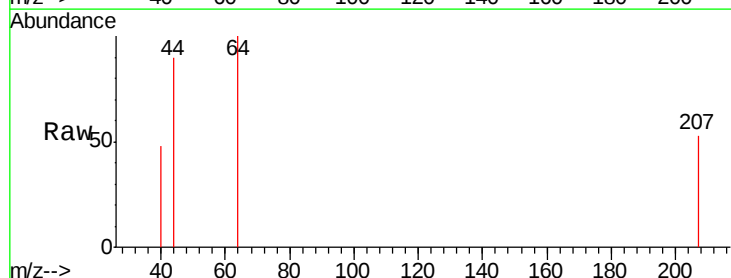
Acq: 26 Nov 2018 12:36

Tgt Ion: 64 Resp: 277

Ion Ratio Lower Upper

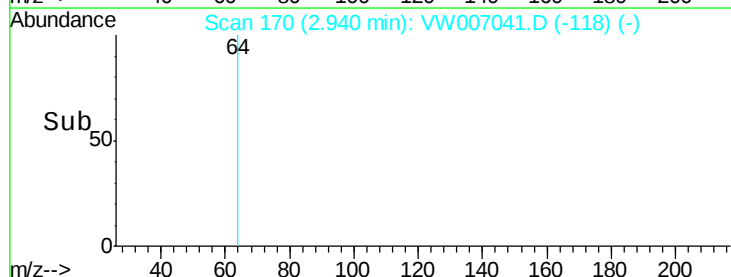
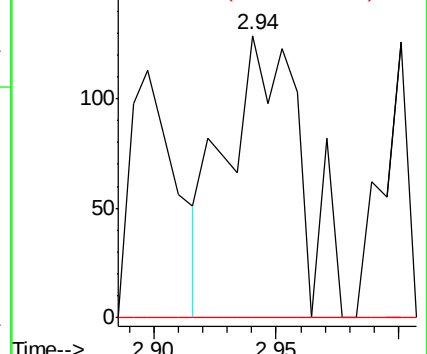
64 100

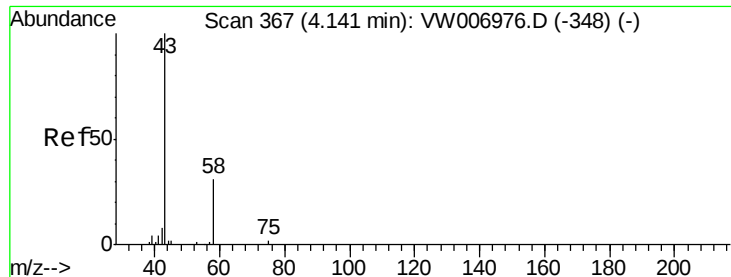
66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#16

Acetone

Concen: 3.26 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW007041.D

Acq: 26 Nov 2018 12:36

Instrument :

MSVOA_W

ClientSampleId :

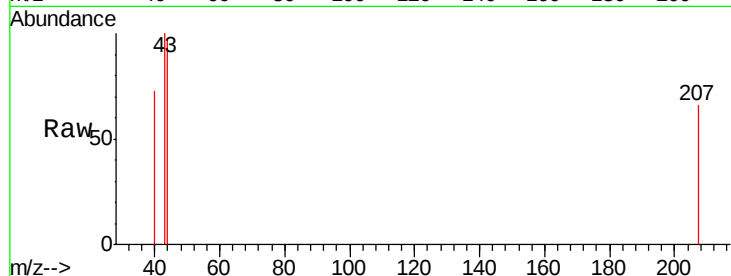
SSSI-1115-S-AB-1RE

Tgt Ion: 43 Resp: 50

Ion Ratio Lower Upper

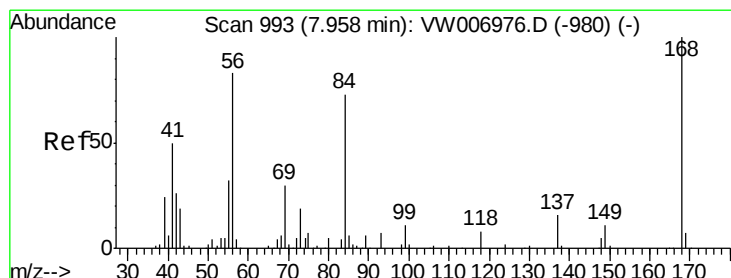
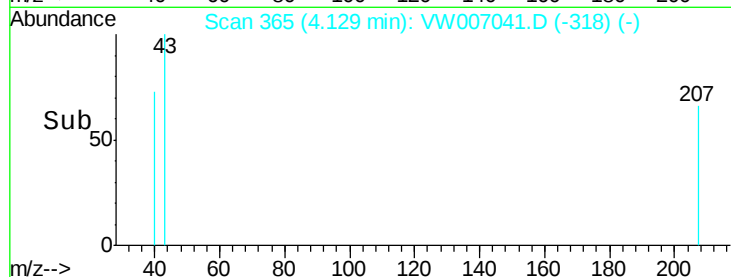
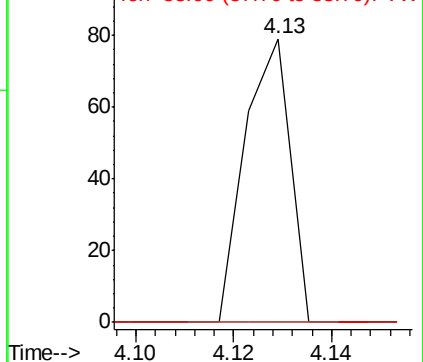
43 100

58 0.0 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#31

Cyclohexane

Concen: 1.05 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW007041.D

Acq: 26 Nov 2018 12:36

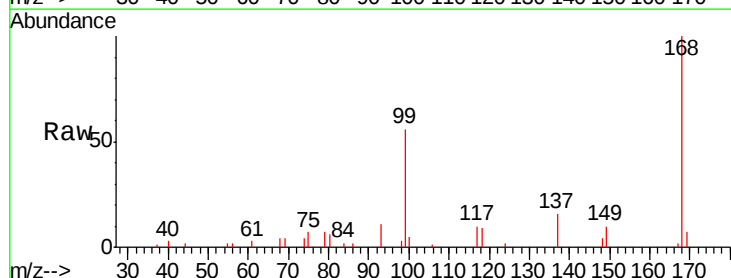
Tgt Ion: 56 Resp: 214

Ion Ratio Lower Upper

56 100

69 160.5 29.1 43.7#

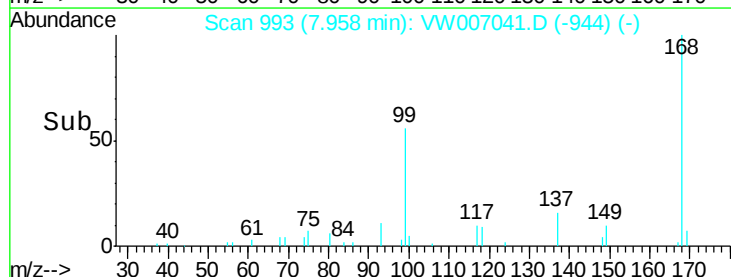
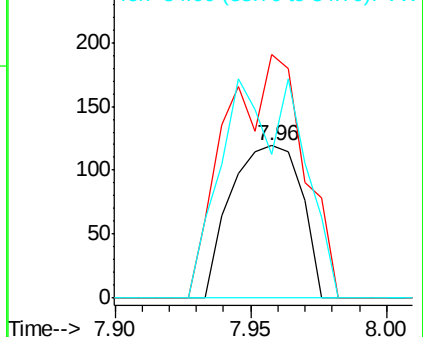
84 94.1 70.6 105.8

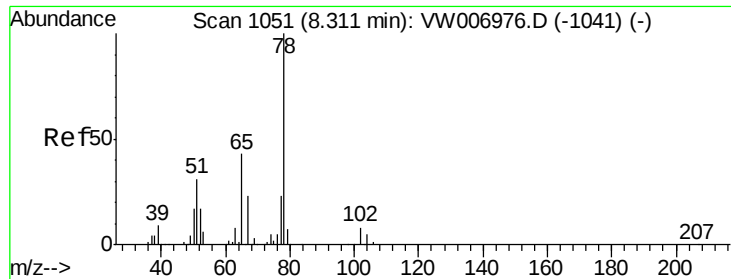


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 42.74 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW007041.D

Acq: 26 Nov 2018 12:36

Instrument :

MSVOA_W

ClientSampleId :

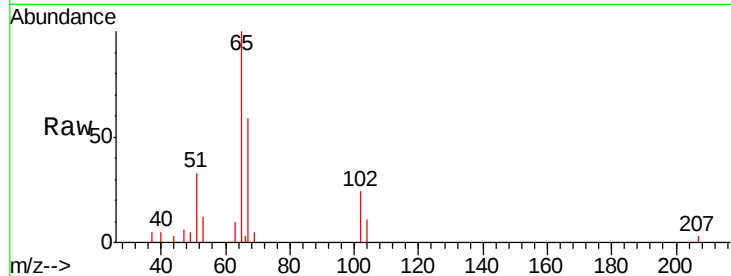
SSSI-1115-S-AB-1RE

Tgt Ion: 65 Resp: 4519

Ion Ratio Lower Upper

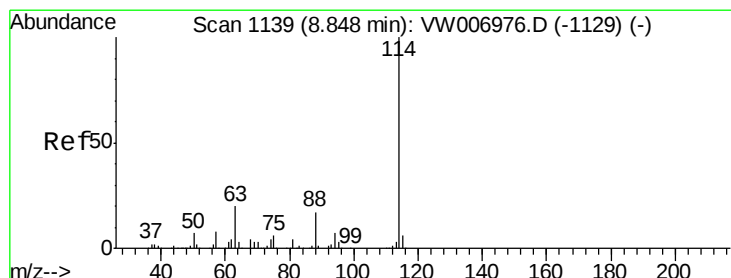
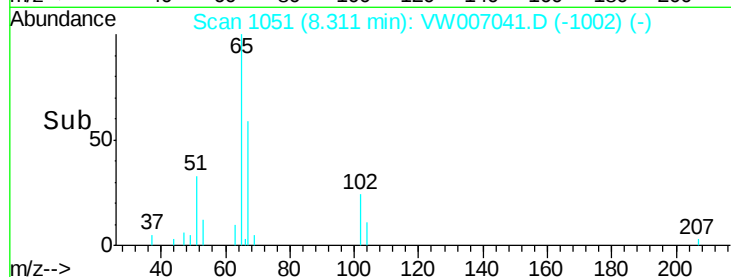
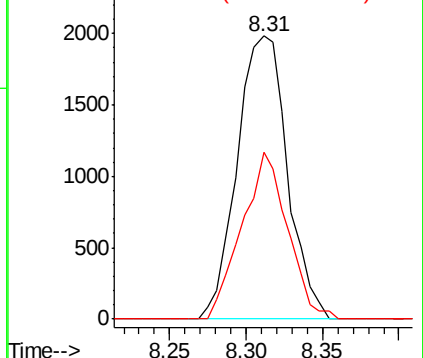
65 100

67 53.6 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW007041.D

Acq: 26 Nov 2018 12:36

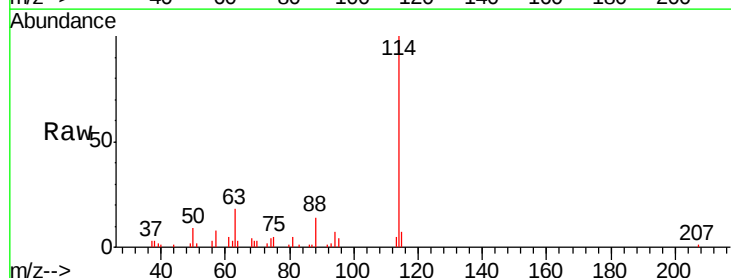
Tgt Ion: 114 Resp: 16184

Ion Ratio Lower Upper

114 100

63 18.1 0.0 39.4

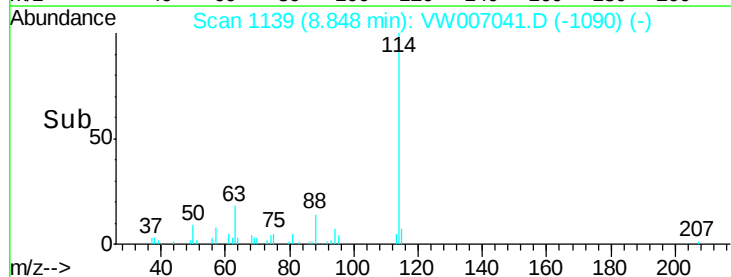
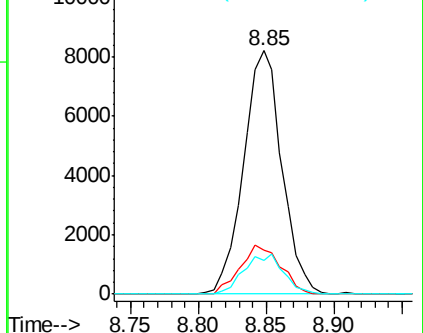
88 13.7 0.0 34.2

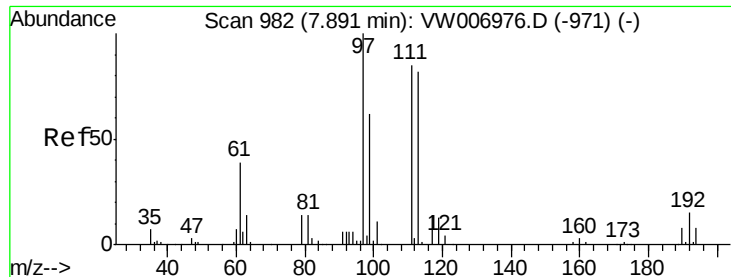


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

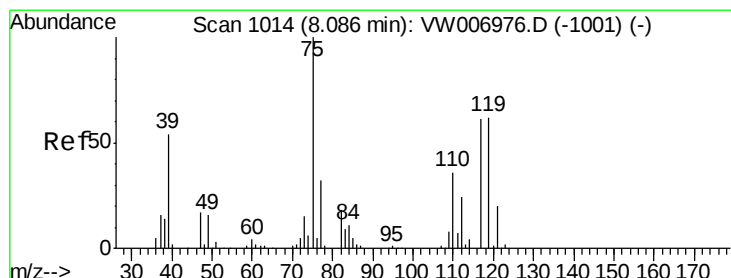
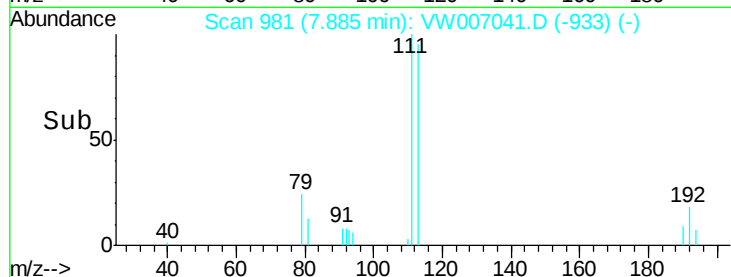
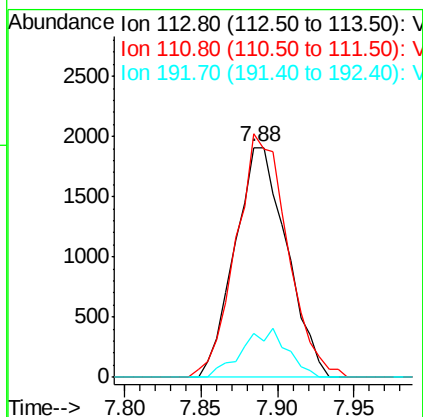
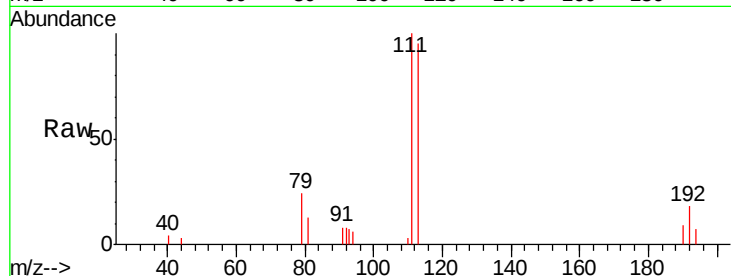




#35
 Dibromofluoromethane
 Concen: 49.25 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW007041.D
 Acq: 26 Nov 2018 12:36

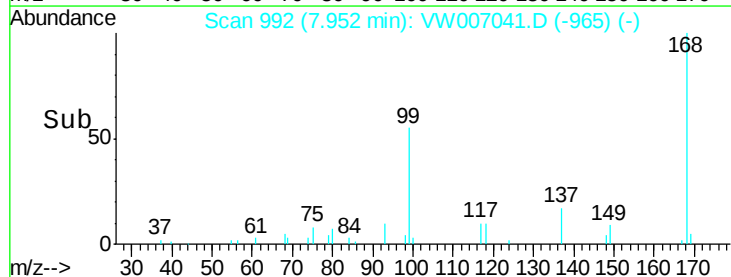
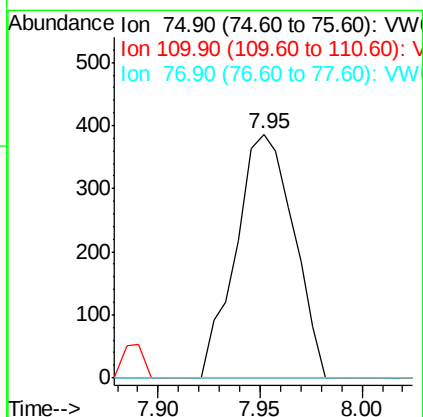
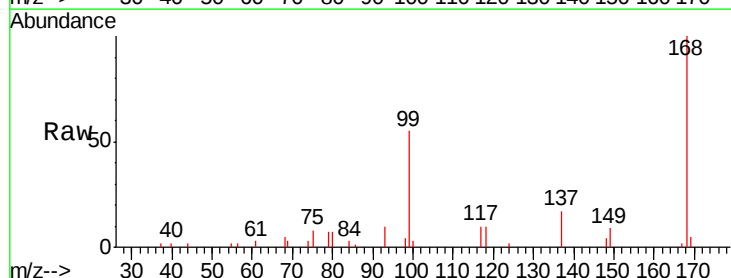
Instrument :
 MSVOA_W
 ClientSampleId :
 SSSI-1115-S-AB-1RE

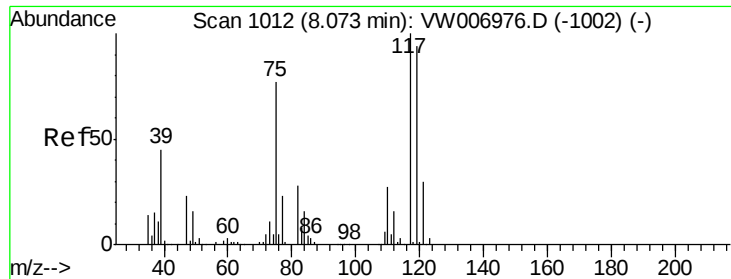
Tgt Ion: 113 Resp: 4501
 Ion Ratio Lower Upper
 113 100
 111 105.1 81.0 121.6
 192 18.5 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 4.80 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007041.D
 Acq: 26 Nov 2018 12:36

Tgt Ion: 75 Resp: 759
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.0 54.0#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 7.68 ug/l

RT: 7.96 min Scan# 994

Delta R.T. -0.11 min

Lab File: VW007041.D

Acq: 26 Nov 2018 12:36

Instrument :

MSVOA_W

ClientSampleId :

SSSI-1115-S-AB-1RE

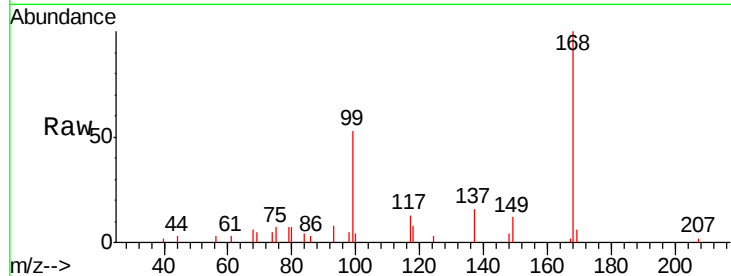
Tgt Ion: 117 Resp: 1163

Ion Ratio Lower Upper

117 100

119 0.0 74.9 112.3#

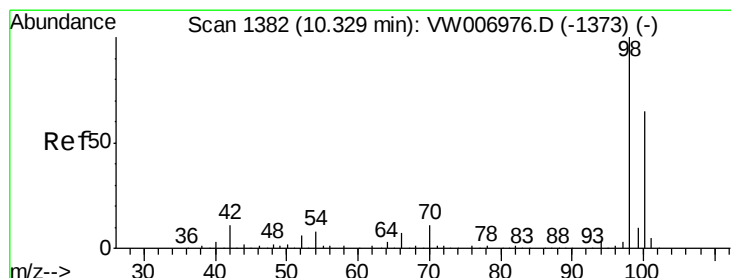
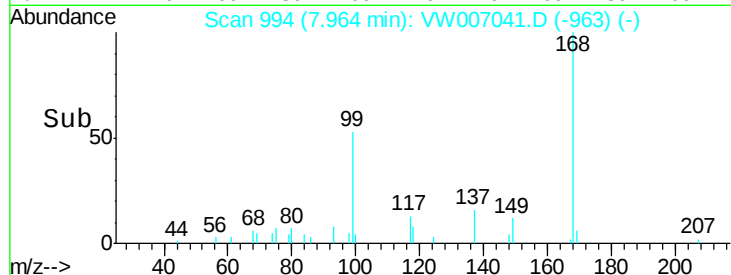
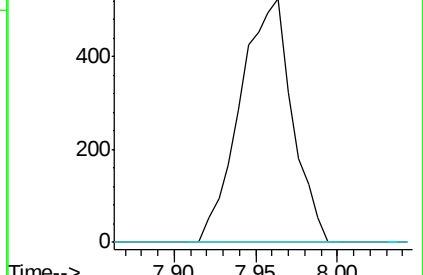
121 0.0 23.6 35.4#



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: 40.67 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW007041.D

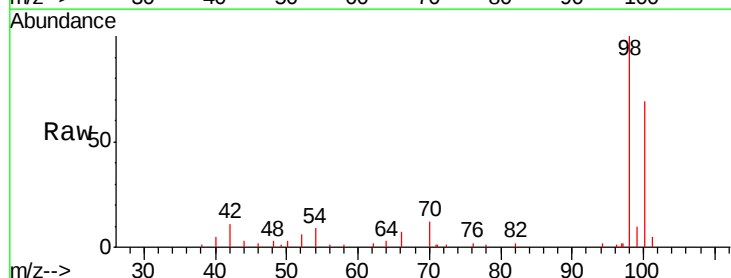
Acq: 26 Nov 2018 12:36

Tgt Ion: 98 Resp: 16415

Ion Ratio Lower Upper

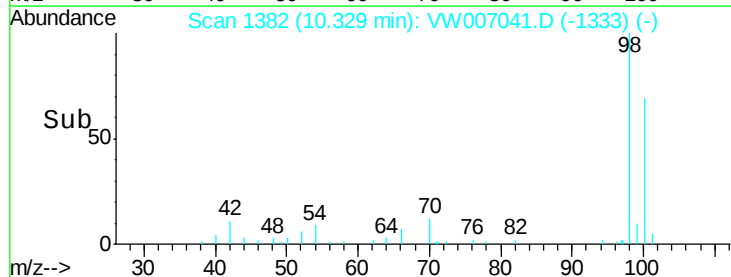
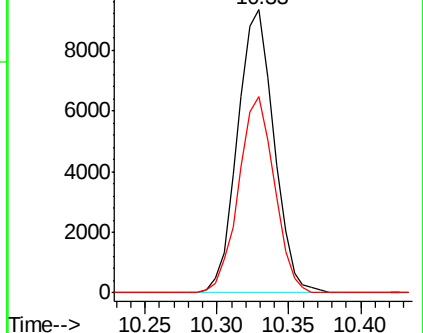
98 100

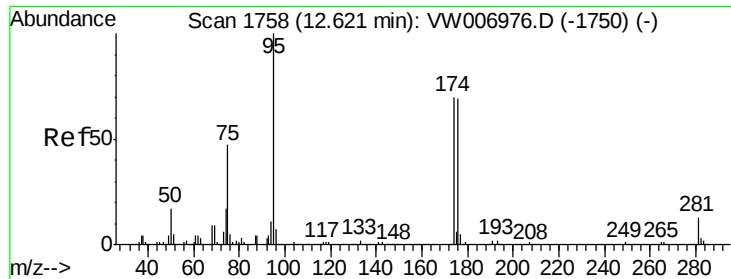
100 68.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

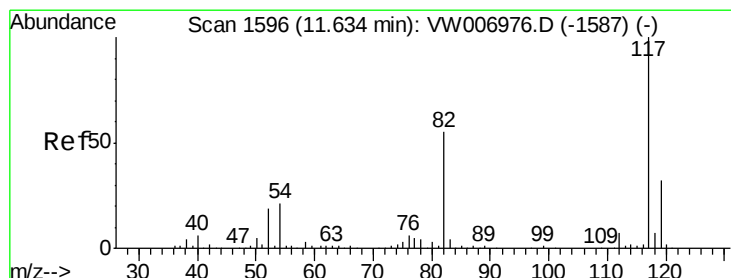
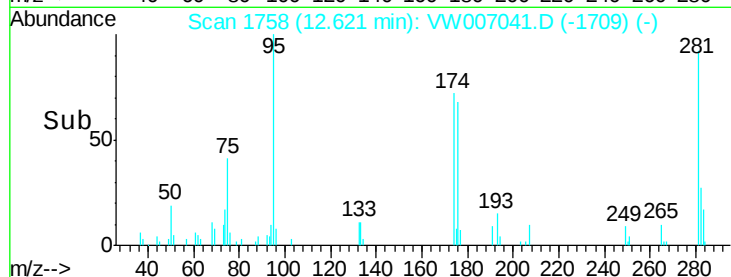
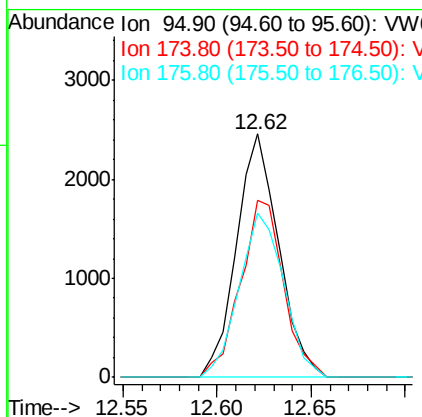
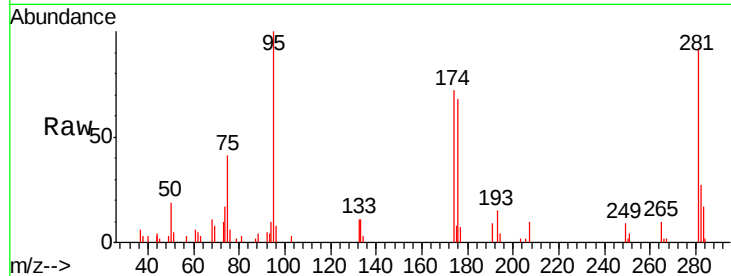




#62
4-Bromofluorobenzene
Concen: 23.97 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW007041.D
Acq: 26 Nov 2018 12:36

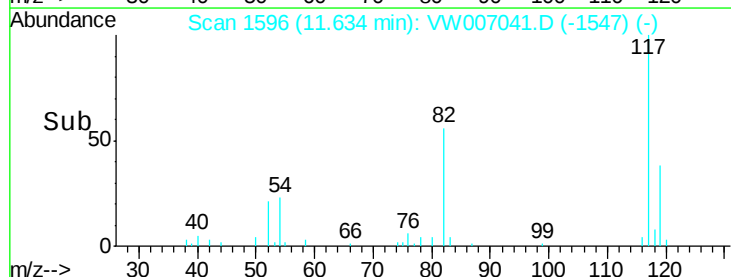
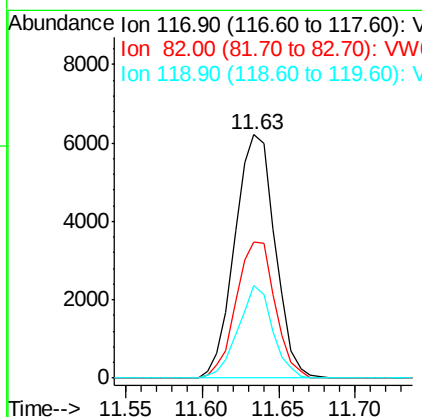
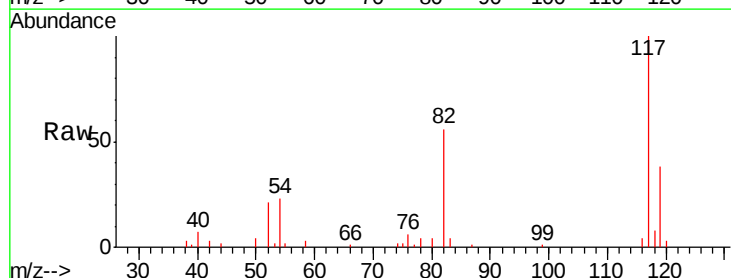
Instrument :
MSVOA_W
ClientSampleId :
SSSI-1115-S-AB-1RE

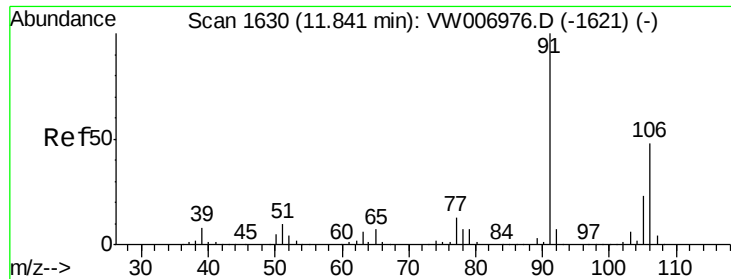
Tgt Ion: 95 Resp: 3807
Ion Ratio Lower Upper
95 100
174 74.4 0.0 143.6
176 71.4 0.0 140.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007041.D
Acq: 26 Nov 2018 12:36

Tgt Ion: 117 Resp: 11308
Ion Ratio Lower Upper
117 100
82 56.2 44.2 66.2
119 38.2 25.9 38.9

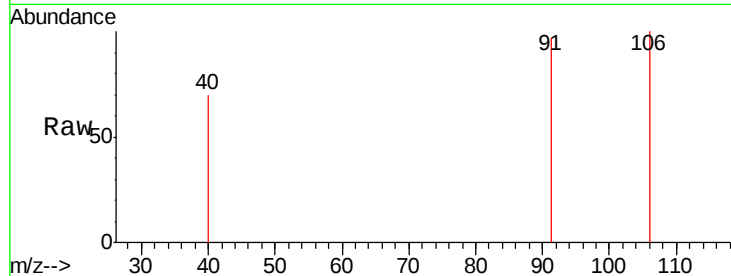




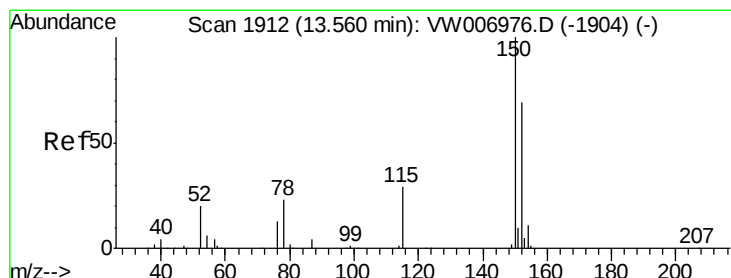
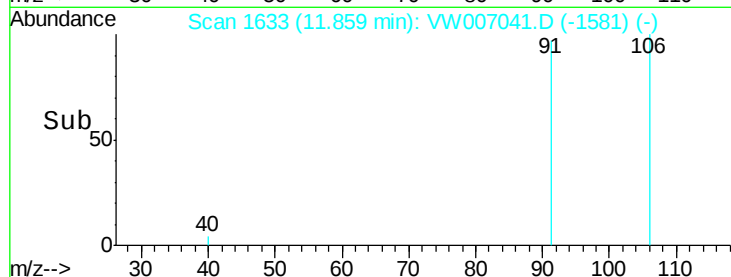
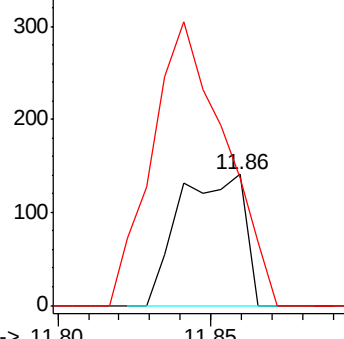
#68
m/p-Xylenes
Concen: 1.23 ug/l
RT: 11.86 min Scan# 1633
Delta R.T. 0.02 min
Lab File: VW007041.D
Acq: 26 Nov 2018 12:36

Instrument :
MSVOA_W
ClientSampleId :
SSSI-1115-S-AB-1RE

Tgt Ion:106 Resp: 210
Ion Ratio Lower Upper
106 100
91 241.0 164.8 247.2

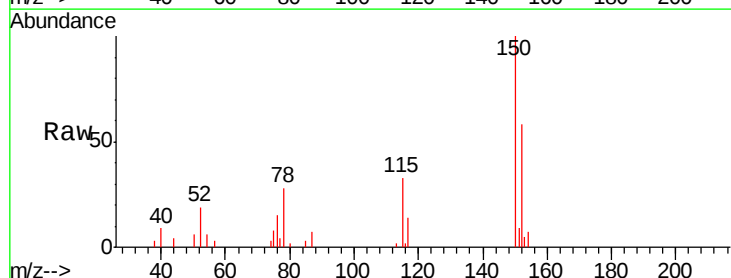


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

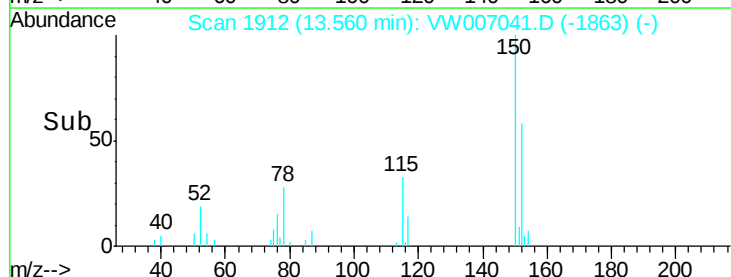
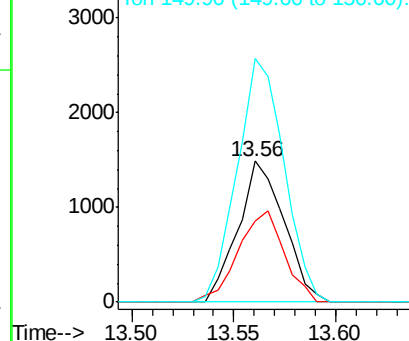


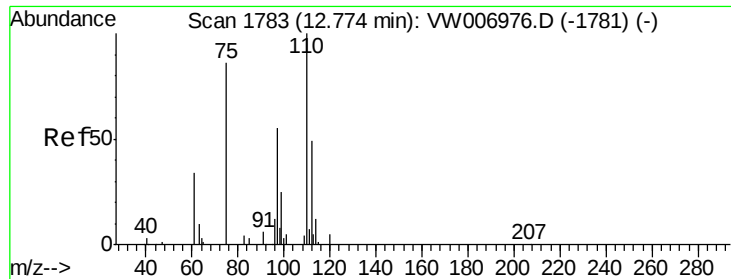
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007041.D
Acq: 26 Nov 2018 12:36

Tgt Ion:152 Resp: 2323
Ion Ratio Lower Upper
152 100
115 64.9 31.4 94.2
150 176.8 0.0 353.4



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

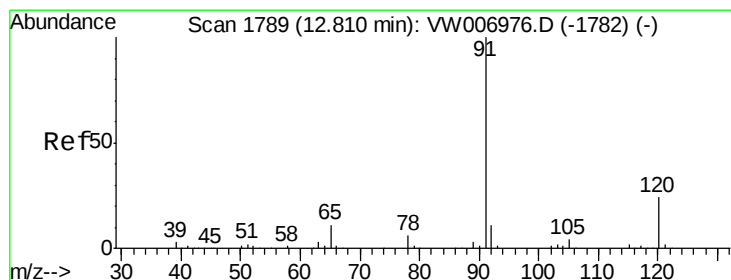
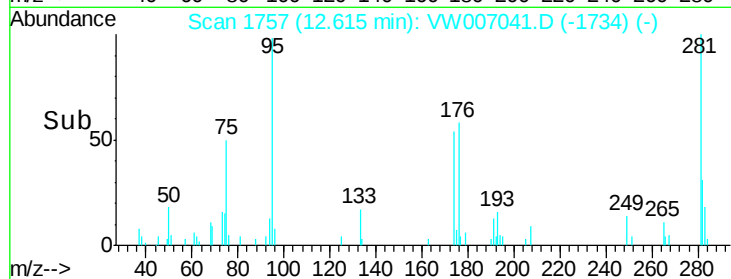
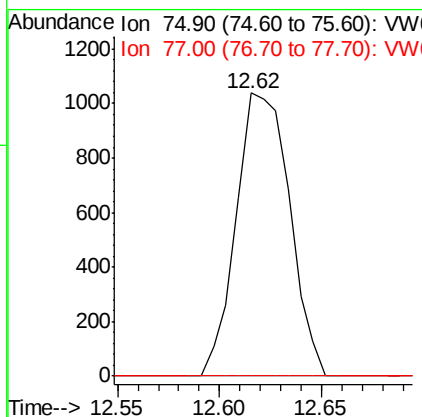
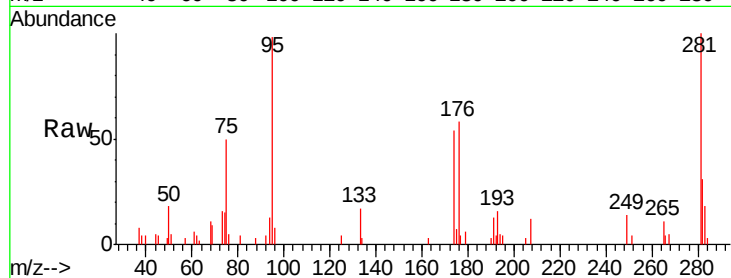




#76
 1,2,3-Trichloropropane
 Concen: 103.37 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.16 min
 Lab File: VW007041.D
 Acq: 26 Nov 2018 12:36

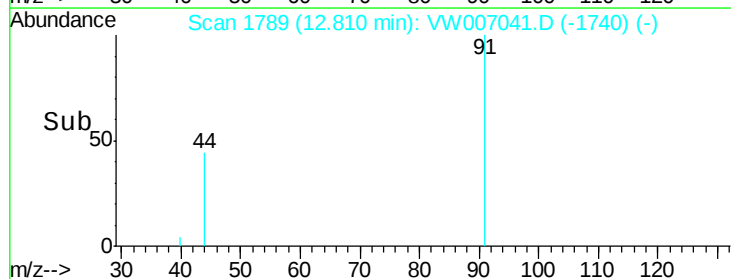
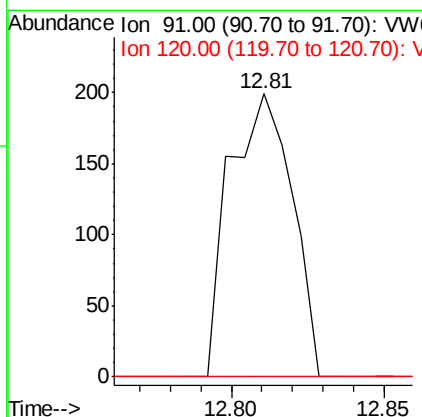
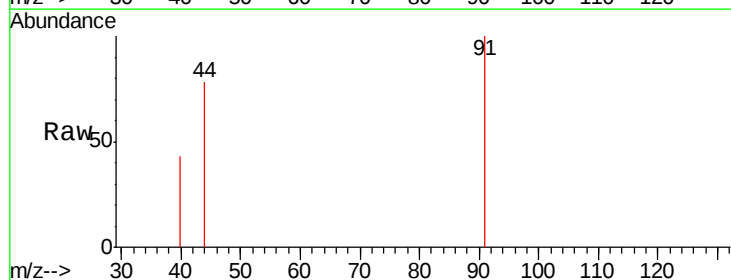
Instrument :
 MSVOA_W
 ClientSampleId :
 SSSI-1115-S-AB-1RE

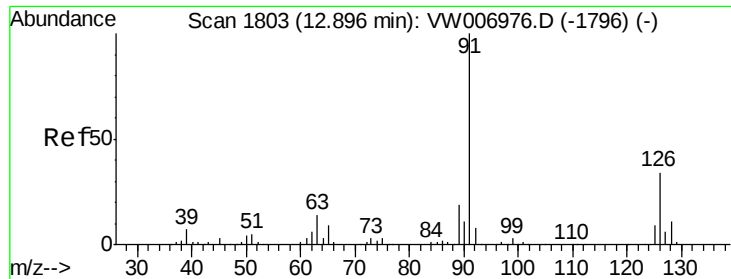
Tgt Ion: 75 Resp: 1887
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#78
 n-propylbenzene
 Concen: 1.29 ug/l
 RT: 12.81 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VW007041.D
 Acq: 26 Nov 2018 12:36

Tgt Ion: 91 Resp: 282
 Ion Ratio Lower Upper
 91 100
 120 0.0 11.7 35.1#





#79

2-Chlorotoluene

Concen: 1.26 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW007041.D

Acq: 26 Nov 2018 12:36

Instrument :

MSVOA_W

ClientSampleId :

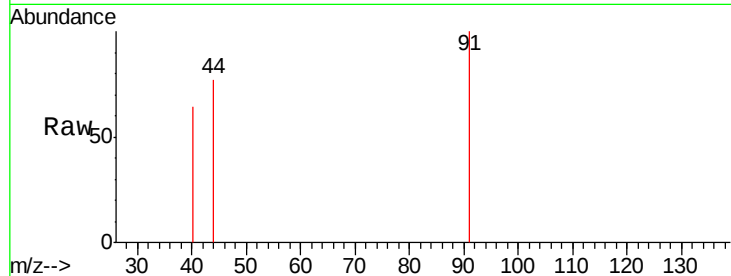
SSSI-1115-S-AB-1RE

Tgt Ion: 91 Resp: 159

Ion Ratio Lower Upper

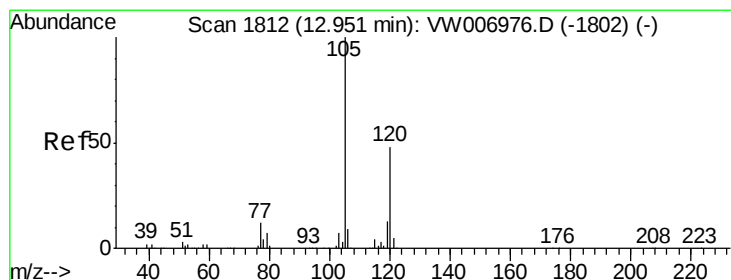
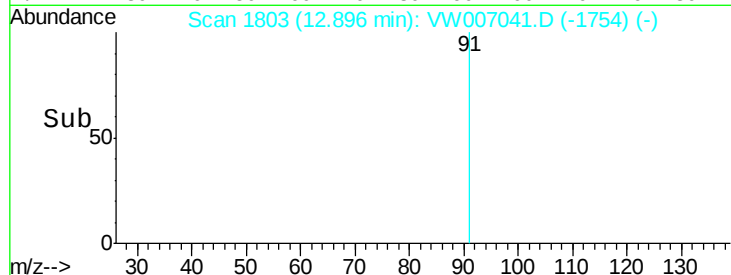
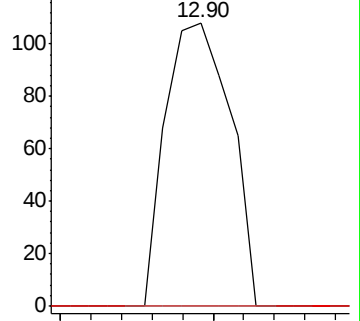
91 100

126 0.0 16.7 50.0#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 1.24 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW007041.D

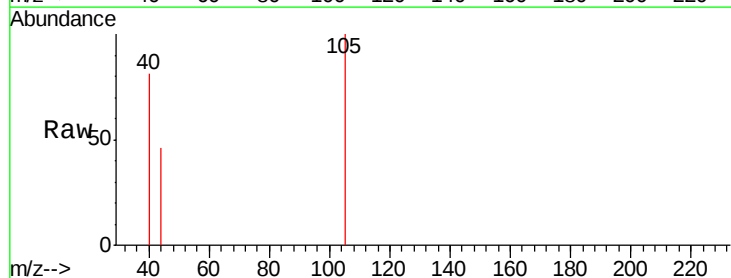
Acq: 26 Nov 2018 12:36

Tgt Ion: 105 Resp: 194

Ion Ratio Lower Upper

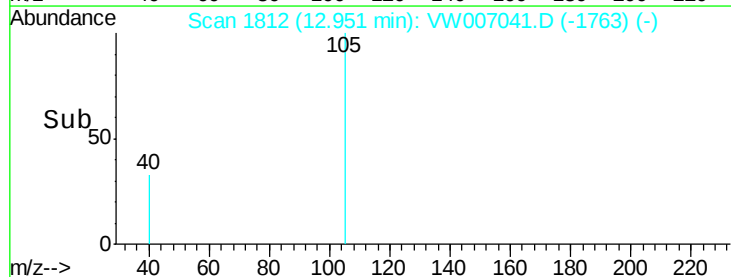
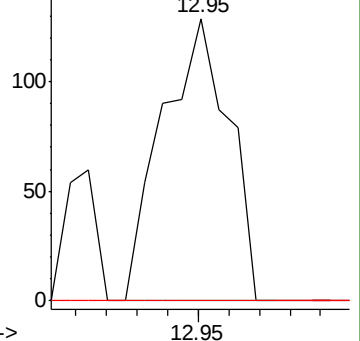
105 100

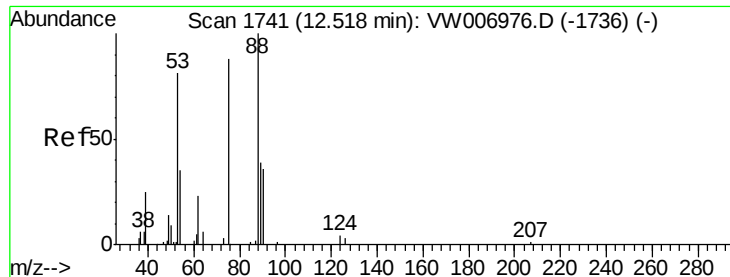
120 0.0 23.8 71.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

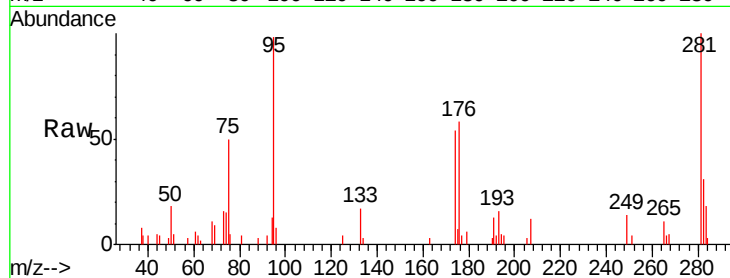




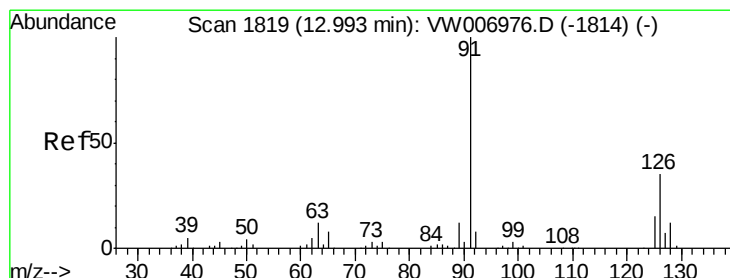
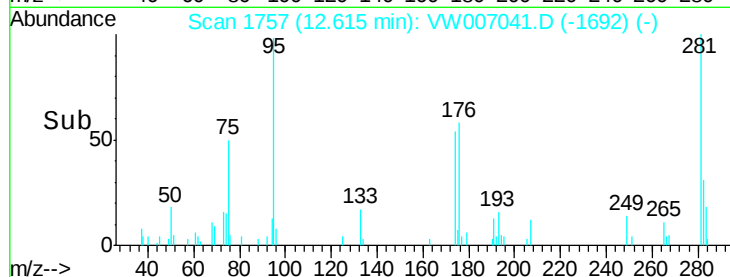
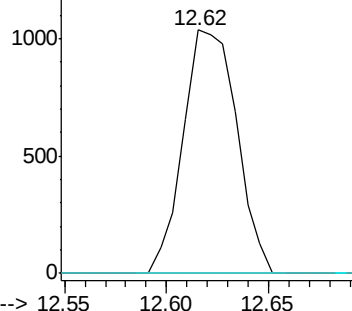
#81
 trans-1,4-Dichloro-2-butene
 Concen: 259.53 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW007041.D
 Acq: 26 Nov 2018 12:36

Instrument :
 MSVOA_W
 ClientSampleId :
 SSSI-1115-S-AB-1RE

Tgt Ion: 75 Resp: 1887
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 39.3 58.9#

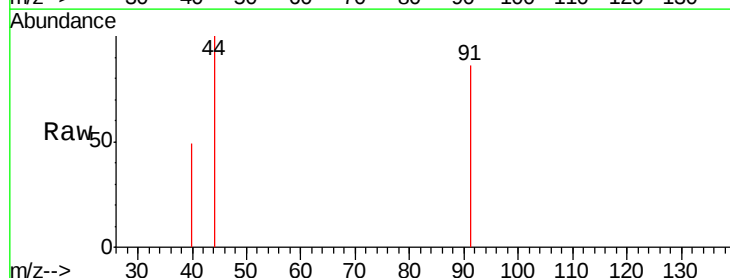


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 53.00 (52.70 to 53.70): VW
 Ion 88.90 (88.60 to 89.60): VW

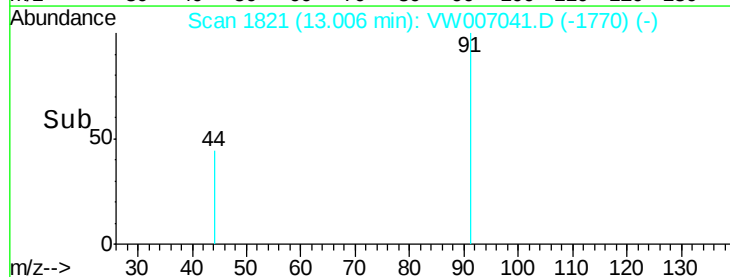
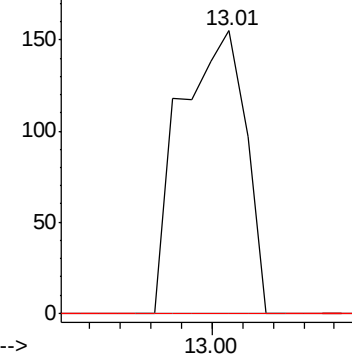


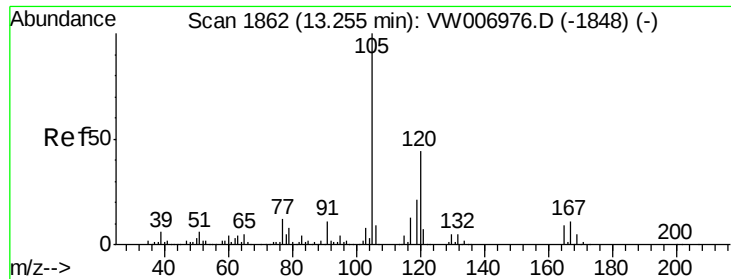
#82
 4-Chlorotoluene
 Concen: 1.73 ug/l
 RT: 13.01 min Scan# 1821
 Delta R.T. 0.01 min
 Lab File: VW007041.D
 Acq: 26 Nov 2018 12:36

Tgt Ion: 91 Resp: 229
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.6 49.7#



Abundance Ion 91.00 (90.70 to 91.70): VW
 Ion 125.90 (125.60 to 126.60): V

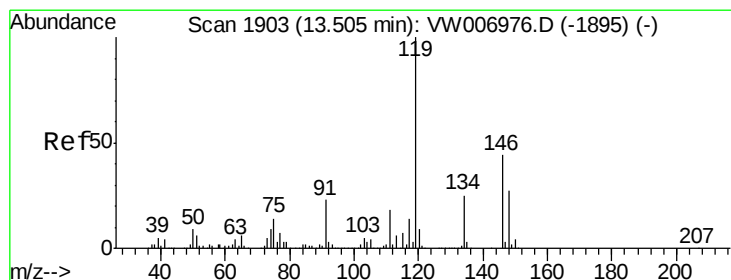
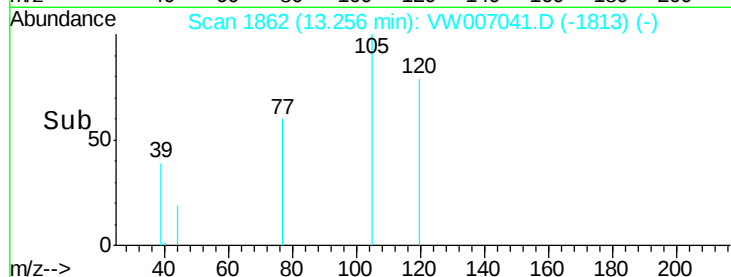
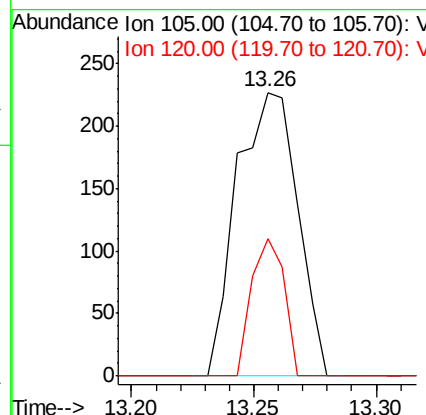
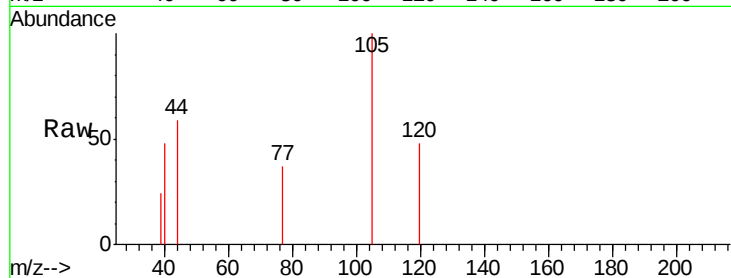




#84
 1,2,4-Trimethylbenzene
 Concen: 2.52 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW007041.D
 Acq: 26 Nov 2018 12:36

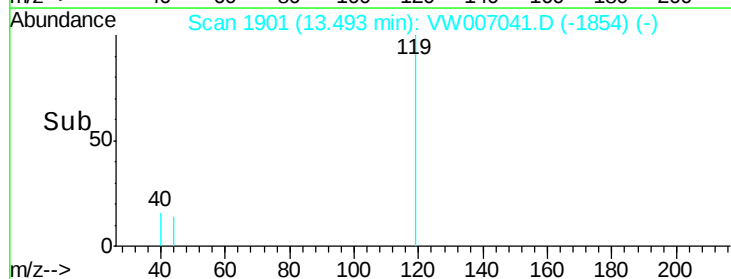
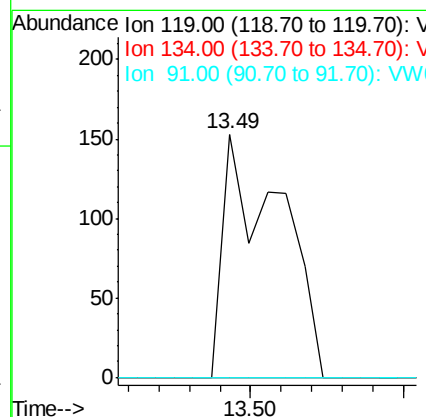
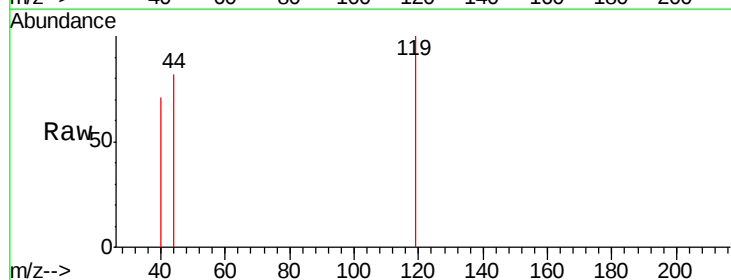
Instrument :
 MSVOA_W
 ClientSampleId :
 SSSI-1115-S-AB-1RE

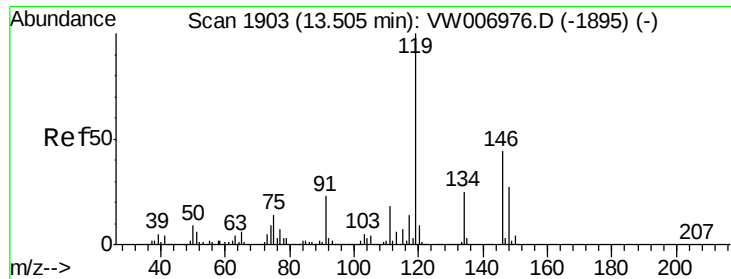
Tgt Ion:105 Resp: 392
 Ion Ratio Lower Upper
 105 100
 120 25.8 21.8 65.3



#86
 p-Isopropyltoluene
 Concen: 1.18 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW007041.D
 Acq: 26 Nov 2018 12:36

Tgt Ion:119 Resp: 198
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.8 38.3#
 91 0.0 12.2 36.6#

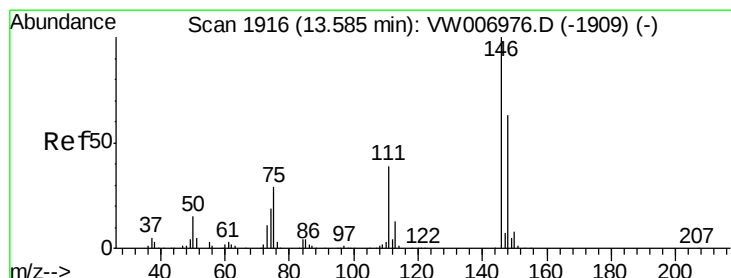
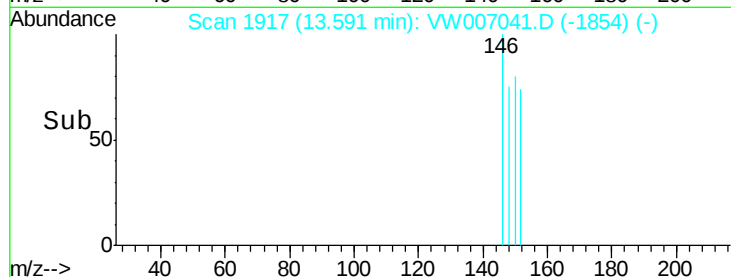
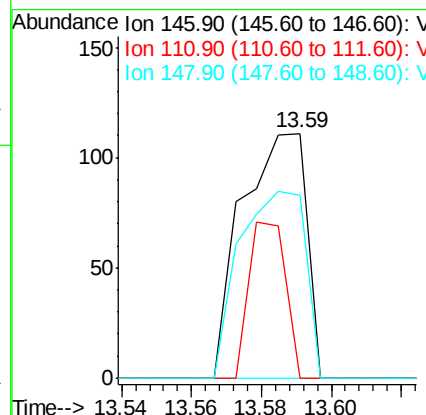
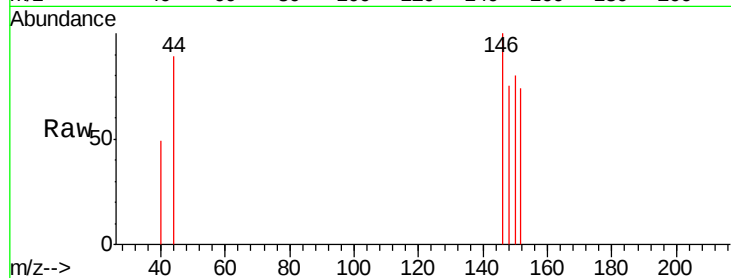




#87
 1,3-Dichlorobenzene
 Concen: 1.79 ug/l
 RT: 13.59 min Scan# 1917
 Delta R.T. 0.09 min
 Lab File: VW007041.D
 Acq: 26 Nov 2018 12:36

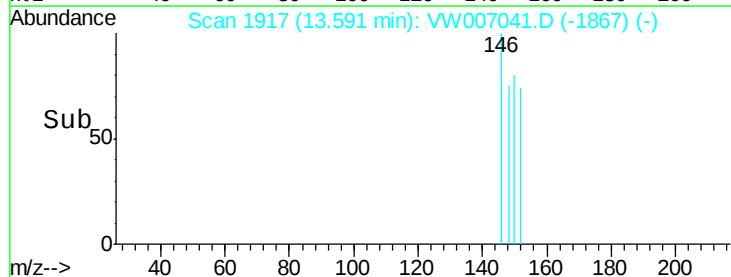
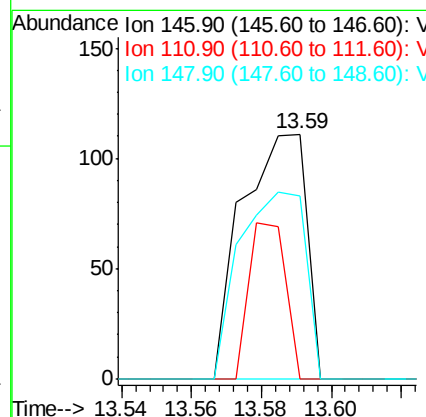
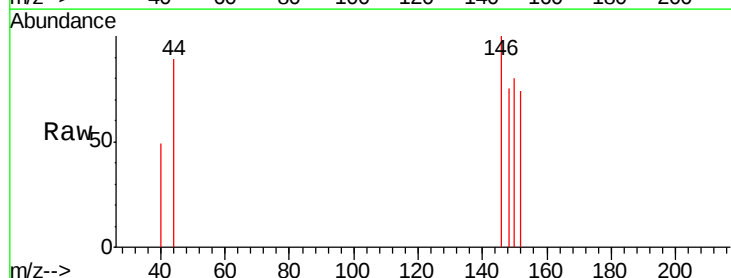
Instrument :
 MSVOA_W
 ClientSampleId :
 SSSI-1115-S-AB-1RE

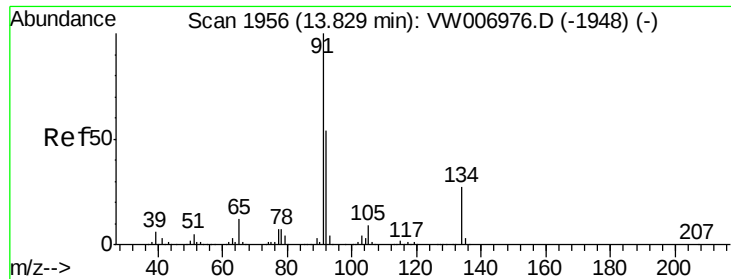
Tgt Ion:146 Resp: 142
 Ion Ratio Lower Upper
 146 100
 111 35.9 21.1 63.3
 148 78.2 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 1.80 ug/l
 RT: 13.59 min Scan# 1917
 Delta R.T. 0.01 min
 Lab File: VW007041.D
 Acq: 26 Nov 2018 12:36

Tgt Ion:146 Resp: 142
 Ion Ratio Lower Upper
 146 100
 111 35.9 20.6 61.8
 148 78.2 32.3 96.8





#89

n-Butylbenzene

Concen: 1.08 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW007041.D

Acq: 26 Nov 2018 12:36

Instrument :

MSVOA_W

ClientSampleId :

SSSI-1115-S-AB-1RE

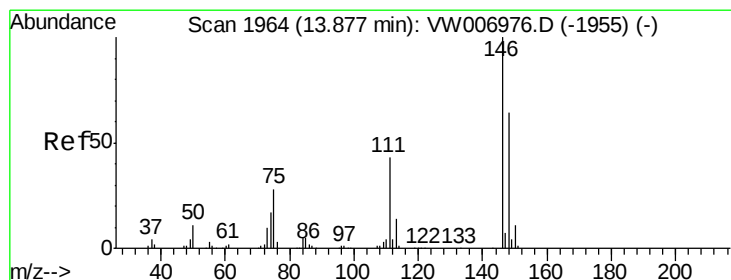
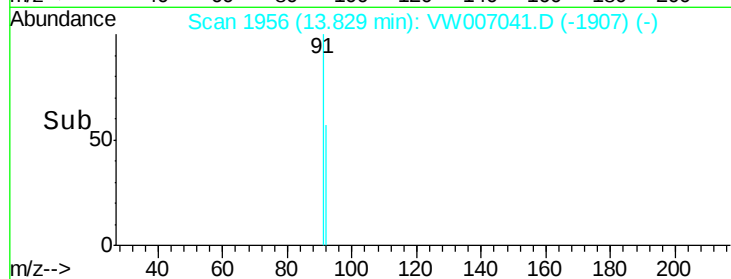
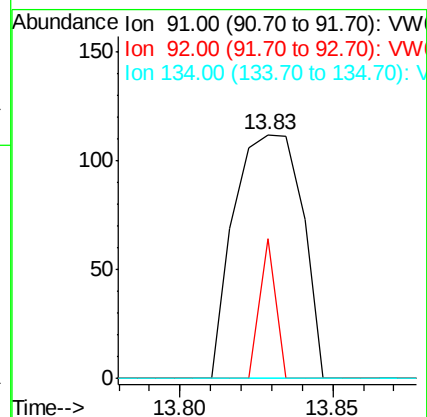
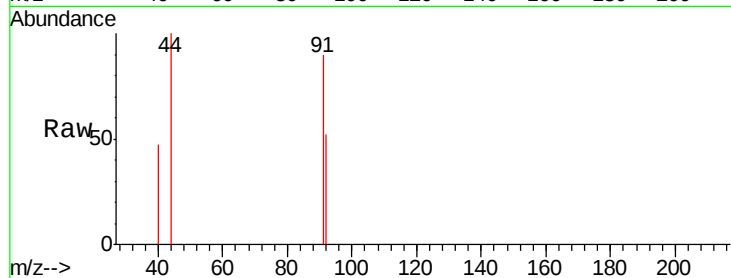
Tgt Ion: 91 Resp: 172

Ion Ratio Lower Upper

91 100

92 13.4 26.8 80.4#

134 0.0 13.3 39.8#



#91

1,2-Dichlorobenzene

Concen: 1.21 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.01 min

Lab File: VW007041.D

Acq: 26 Nov 2018 12:36

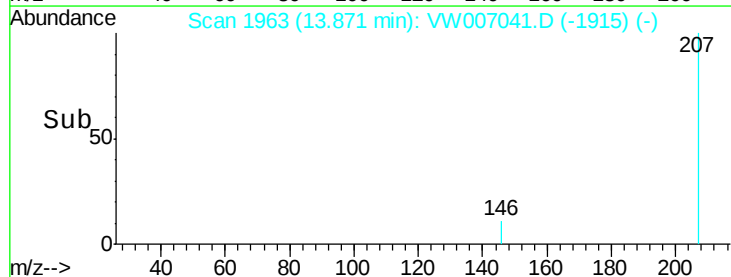
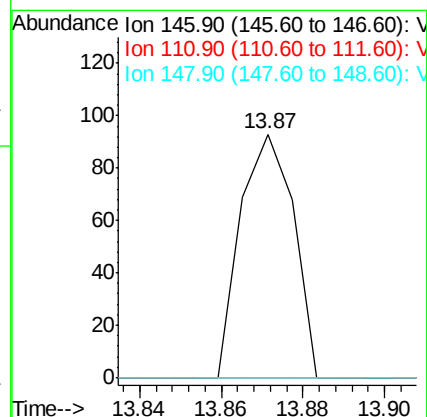
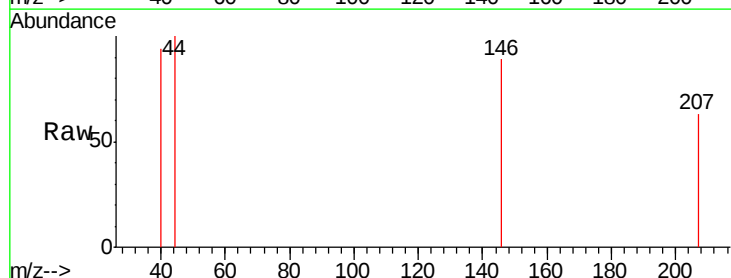
Tgt Ion: 146 Resp: 84

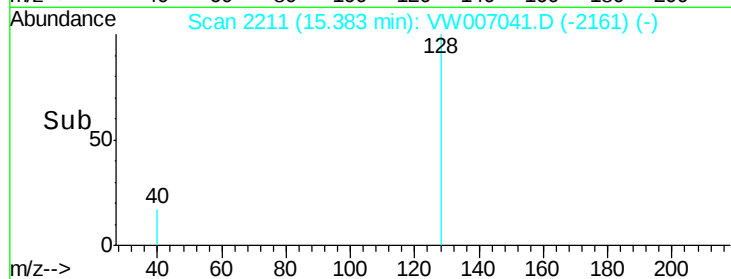
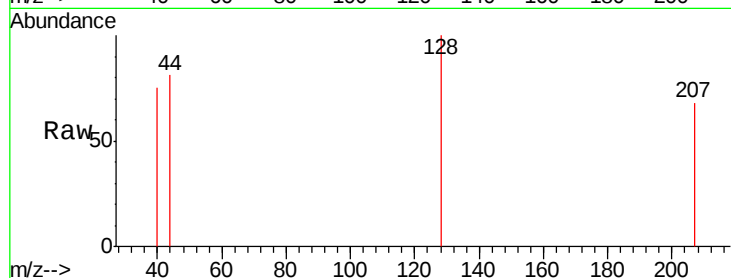
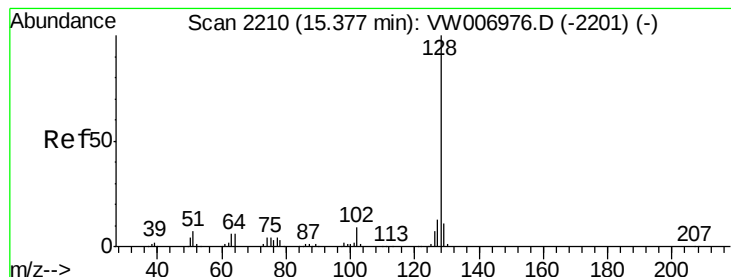
Ion Ratio Lower Upper

146 100

111 0.0 21.9 65.7#

148 0.0 32.2 96.6#





#95

Naphthalene

Concen: 3.95 ug/l

RT: 15.38 min Scan# 2211

Delta R.T. 0.01 min

Lab File: VW007041.D

Acq: 26 Nov 2018 12:36

Instrument :

MSVOA_W

ClientSampleId :

SSSI-1115-S-AB-1RE

Tgt Ion:128 Resp: 328

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.7 13.1#

