

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101618\
 Data File : VW006077.D
 Acq On : 16 Oct 2018 14:35
 Operator : VA/AP
 Sample : J5516-05
 Misc : 5.24G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SSSI-1011-S-DH-30

Quant Time: Oct 16 15:15:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	311467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	451694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	399710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	203444	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	119136	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	
35) Dibromofluoromethane	7.89	113	120254	45.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.12%	
50) Toluene-d8	10.33	98	446202	43.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.88%	
62) 4-Bromofluorobenzene	12.62	95	157194	41.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.44%	

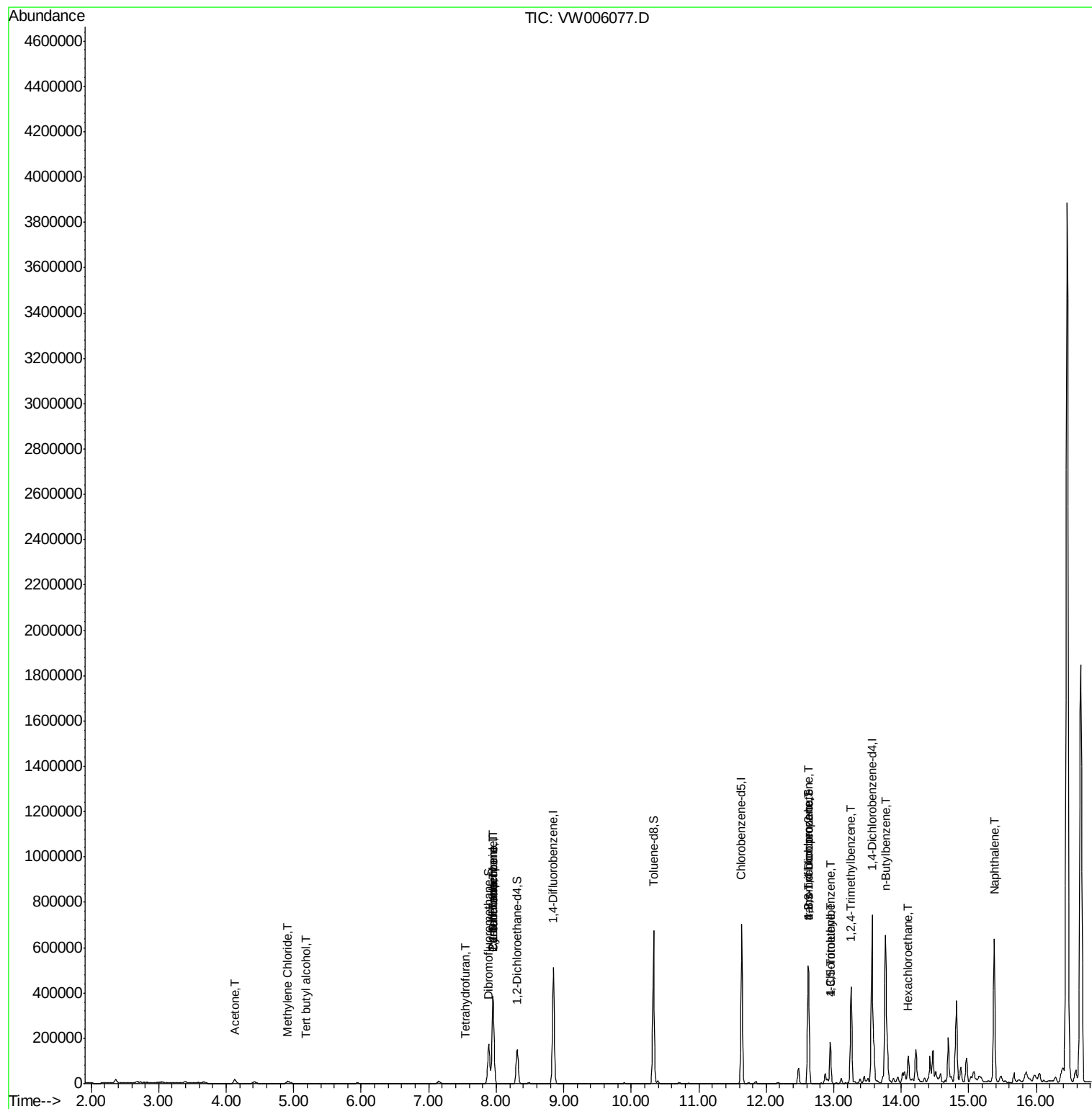
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	1213	6.98	ug/l #	71
16) Acetone	4.13	43	31949	54.37	ug/l	96
20) Methylene Chloride	4.91	84	7804	1.27	ug/l	96
29) Tetrahydrofuran	7.55	42	504	1.18	ug/l #	68
31) Cyclohexane	7.95	56	5739	1.21	ug/l #	14
36) 1,1-Dichloropropene	7.95	75	20523	4.93	ug/l #	48
38) Carbon Tetrachloride	7.95	117	27963	6.13	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	82504	53.09	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	96410	7.96	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	82504	126.92	ug/l #	10
82) 4-Chlorotoluene	12.95	91	10113	1.03	ug/l #	39
84) 1,2,4-Trimethylbenzene	13.26	105	232107	18.93	ug/l	99
89) n-Butylbenzene	13.77	91	75213	5.94	ug/l #	45
90) Hexachloroethane	14.10	117	6947	2.96	ug/l #	4
95) Naphthalene	15.38	128	554217	69.29	ug/l	100

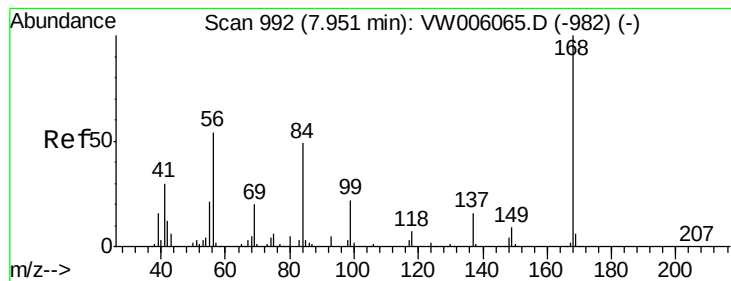
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006077.D

Acq: 16 Oct 2018 14:35

Instrument :

MSVOA_W

ClientSampleId :

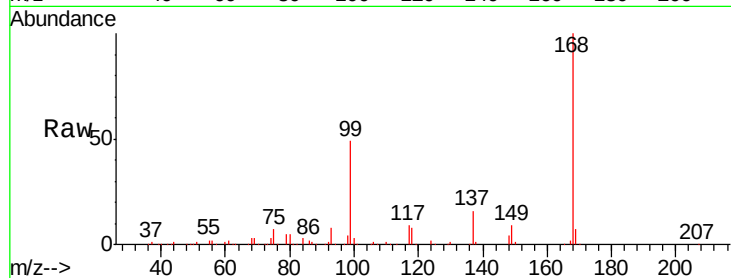
SSSI-1011-S-DH-30

Tgt Ion: 168 Resp: 311467

Ion Ratio Lower Upper

168 100

99 48.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

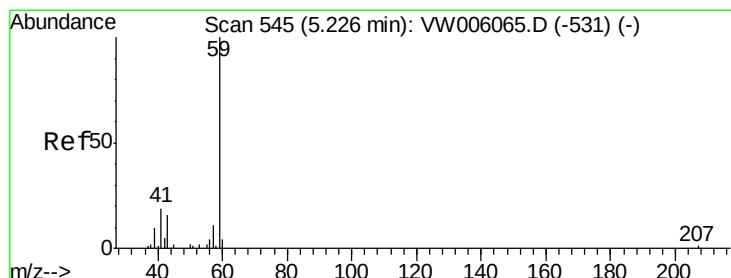
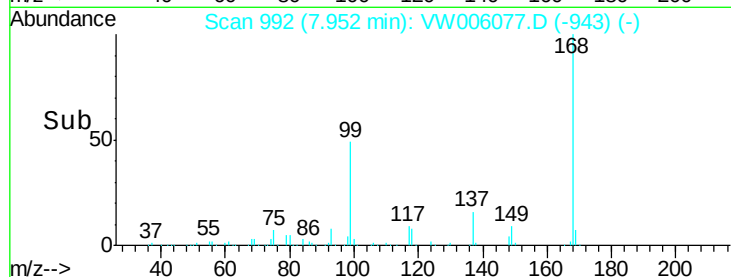
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 6.98 ug/l

RT: 5.18 min Scan# 538

Delta R.T. -0.04 min

Lab File: VW006077.D

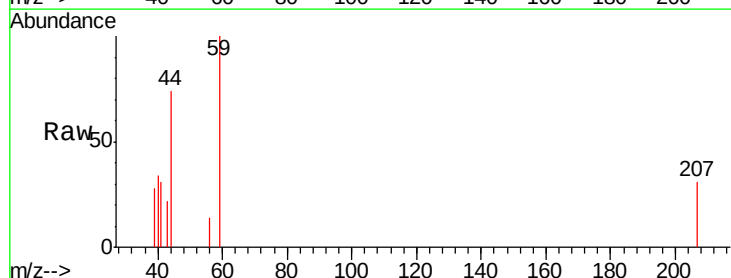
Acq: 16 Oct 2018 14:35

Tgt Ion: 59 Resp: 1213

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

400

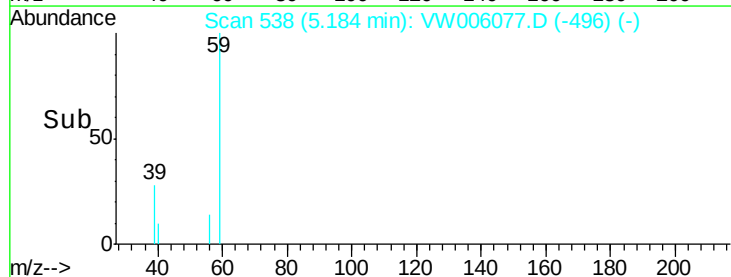
300

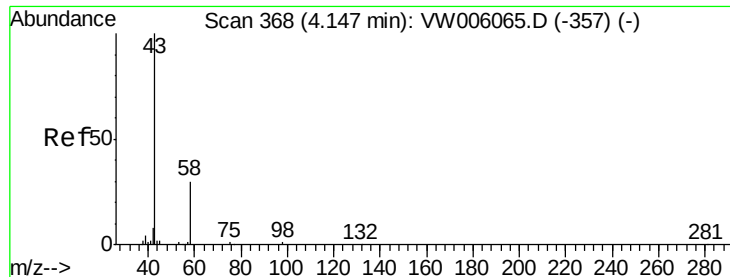
200

100

0

Time--> 5.10 5.15 5.20 5.25





#16

Acetone

Concen: 54.37 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW006077.D

Acq: 16 Oct 2018 14:35

Instrument :

MSVOA_W

ClientSampleId :

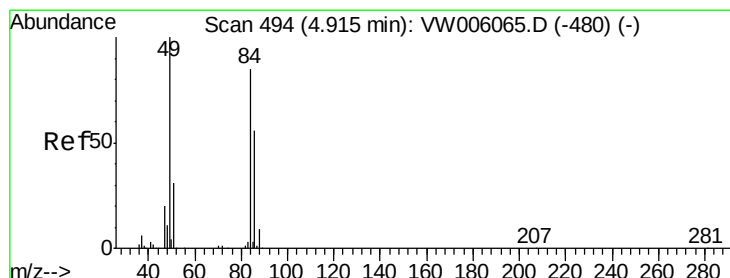
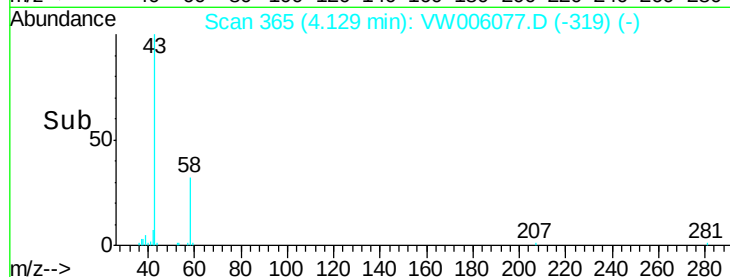
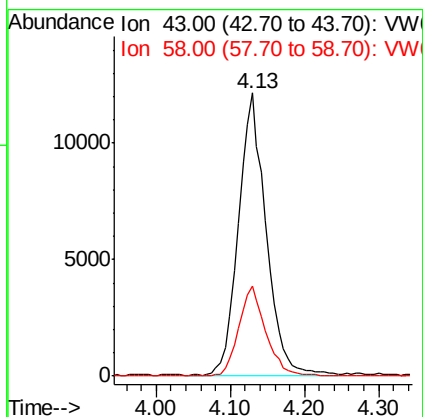
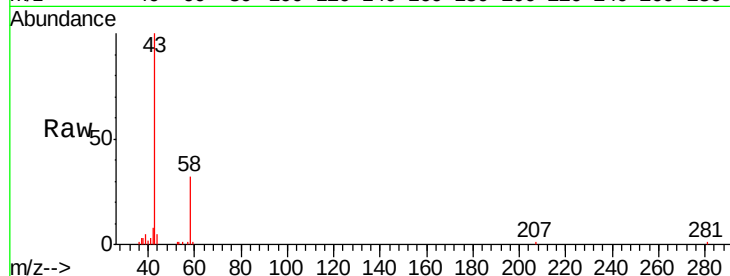
SSSI-1011-S-DH-30

Tgt Ion: 43 Resp: 31949

Ion Ratio Lower Upper

43 100

58 32.0 24.0 36.0



#20

Methylene Chloride

Concen: 1.27 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006077.D

Acq: 16 Oct 2018 14:35

Tgt Ion: 84 Resp: 7804

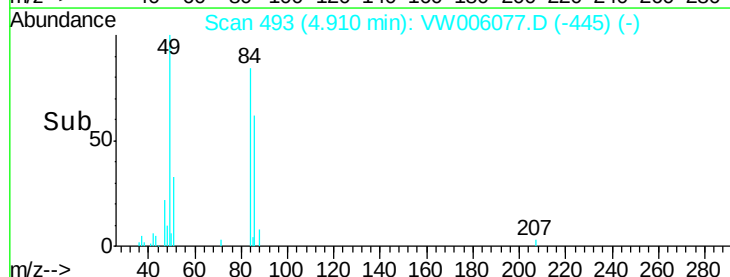
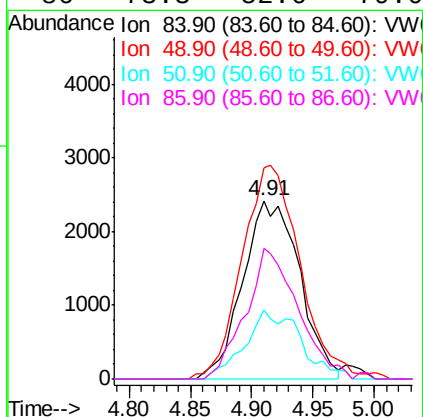
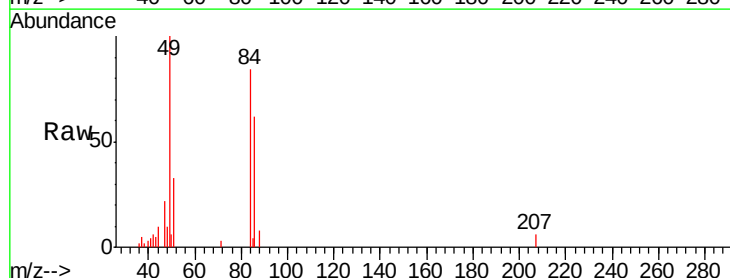
Ion Ratio Lower Upper

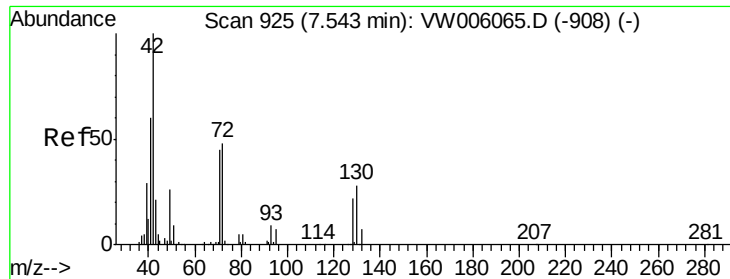
84 100

49 118.6 93.6 140.4

51 38.7 29.0 43.4

86 73.3 52.6 79.0

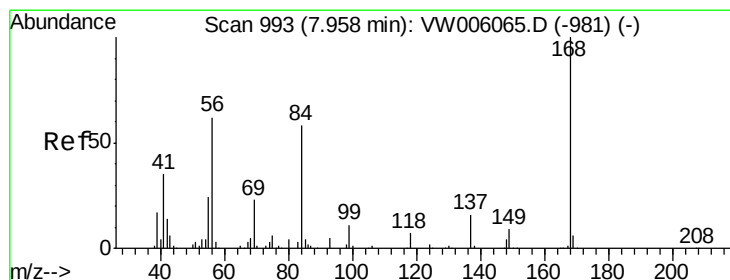
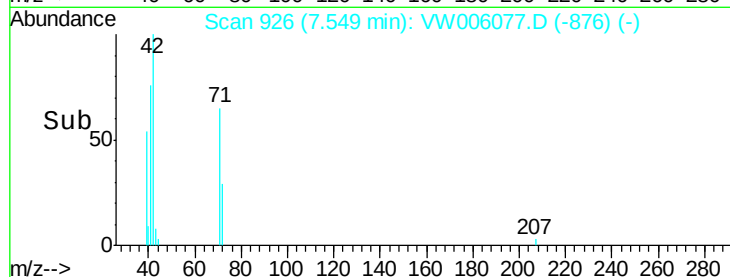
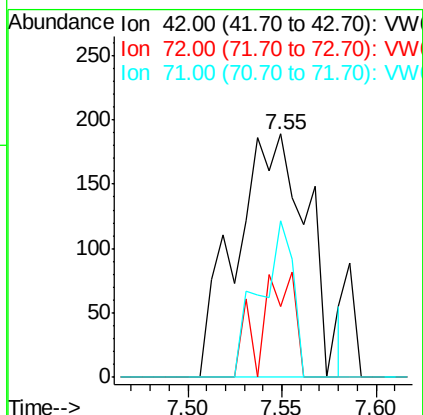
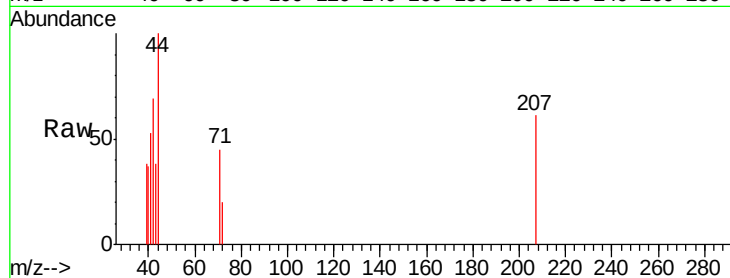




#29
Tetrahydrofuran
Concen: 1.18 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.01 min
Lab File: VW006077.D
Acq: 16 Oct 2018 14:35

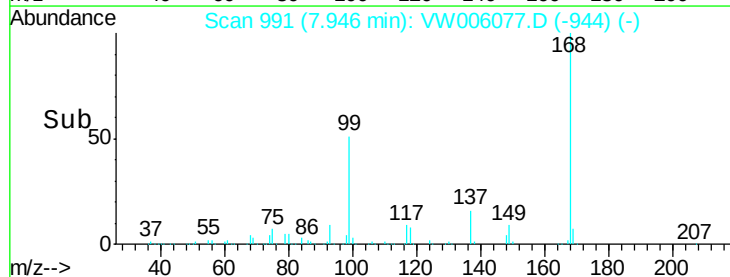
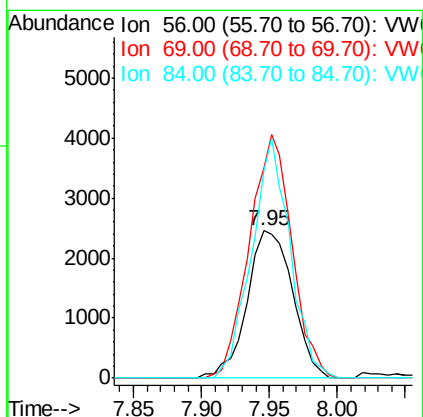
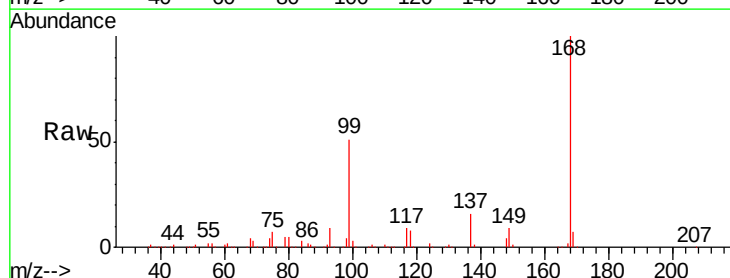
Instrument :
MSVOA_W
ClientSampleId :
SSSI-1011-S-DH-30

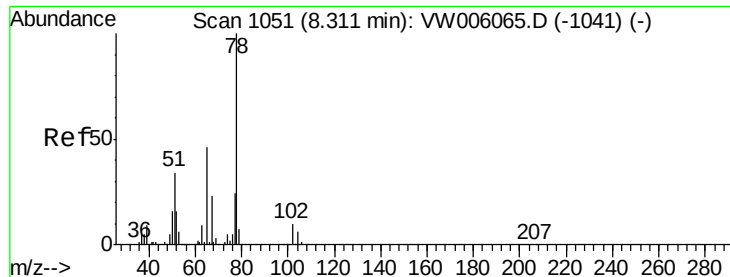
Tgt Ion: 42 Resp: 504
Ion Ratio Lower Upper
42 100
72 20.2 38.0 57.0#
71 29.6 35.3 52.9#



#31
Cyclohexane
Concen: 1.21 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW006077.D
Acq: 16 Oct 2018 14:35

Tgt Ion: 56 Resp: 5739
Ion Ratio Lower Upper
56 100
69 142.3 29.4 44.0#
84 140.5 74.0 111.0#

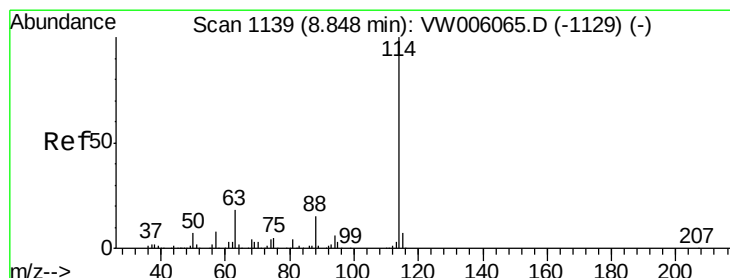
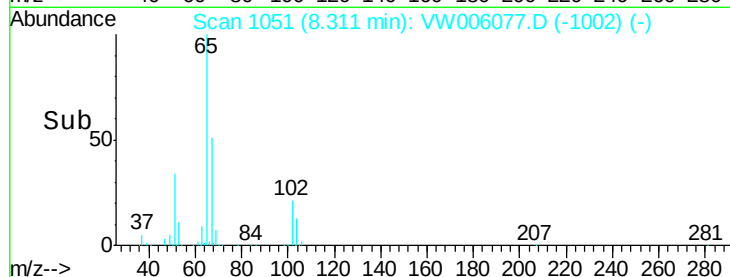
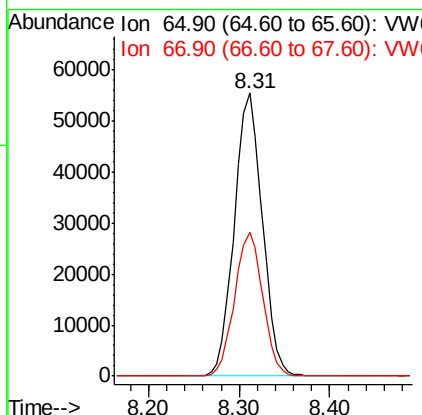
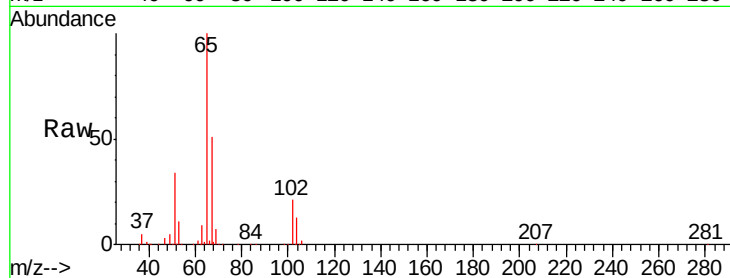




#33
 1,2-Dichloroethane-d4
 Concen: 46.14 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006077.D
 Acq: 16 Oct 2018 14:35

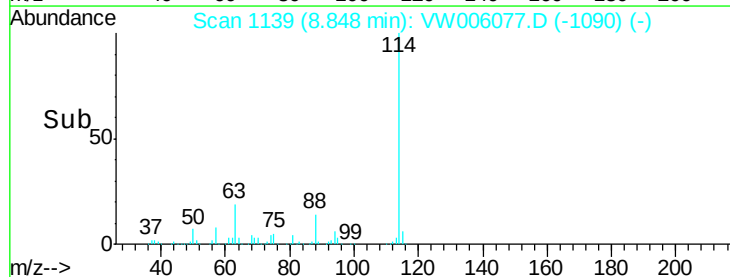
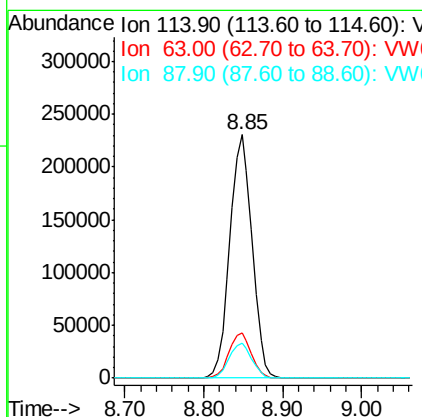
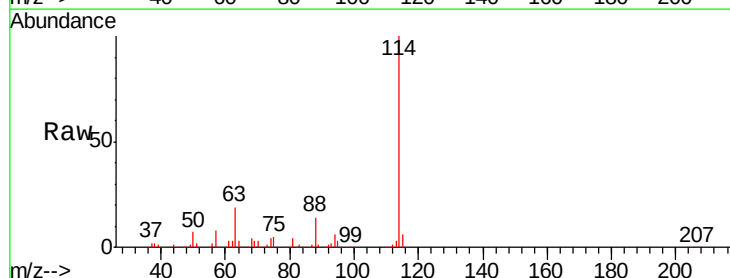
Instrument :
 MSVOA_W
 ClientSampleId :
 SSSI-1011-S-DH-30

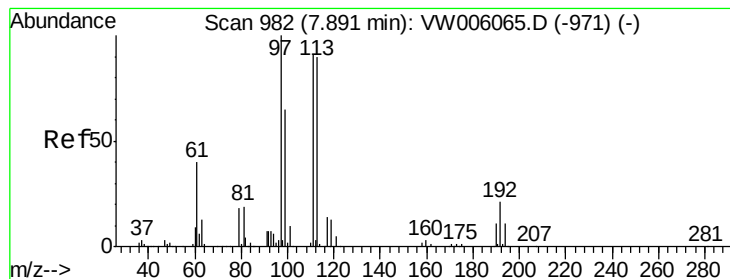
Tgt Ion: 65 Resp: 119136
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006077.D
 Acq: 16 Oct 2018 14:35

Tgt Ion: 114 Resp: 451694
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 36.8
 88 14.5 0.0 29.0





#35

Dibromofluoromethane

Concen: 45.06 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW006077.D

Acq: 16 Oct 2018 14:35

Instrument :
MSVOA_W
ClientSampleId :
SSSI-1011-S-DH-30

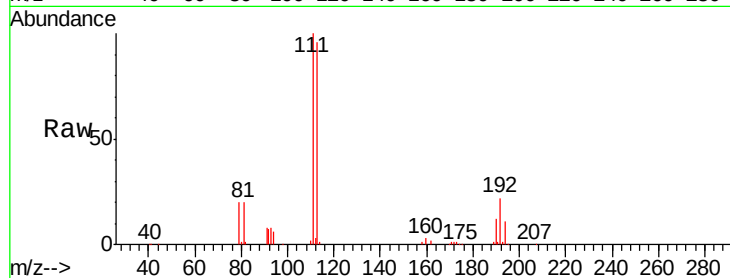
Tgt Ion:113 Resp: 120254

Ion Ratio Lower Upper

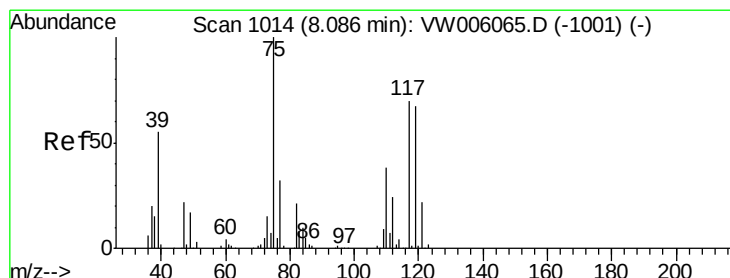
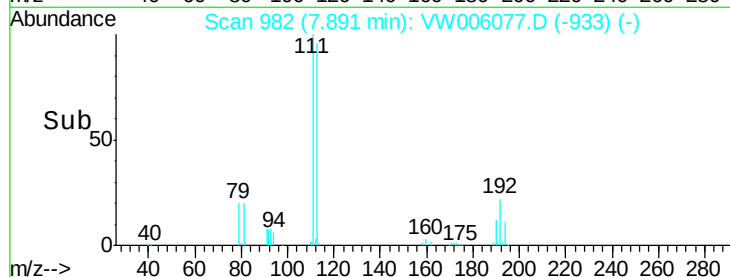
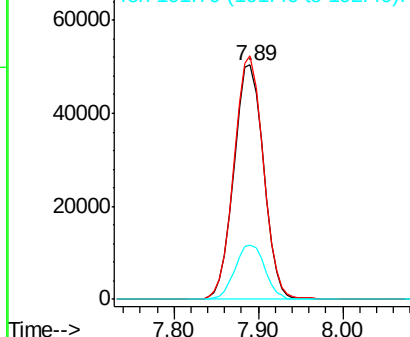
113 100

111 102.2 81.4 122.0

192 23.3 18.7 28.1



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: 4.93 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006077.D

Acq: 16 Oct 2018 14:35

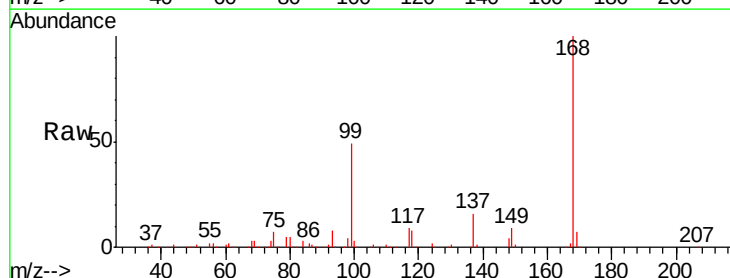
Tgt Ion: 75 Resp: 20523

Ion Ratio Lower Upper

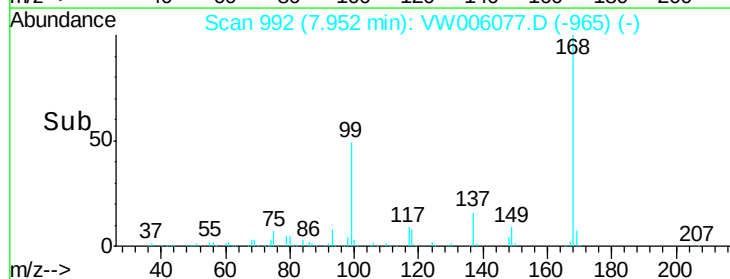
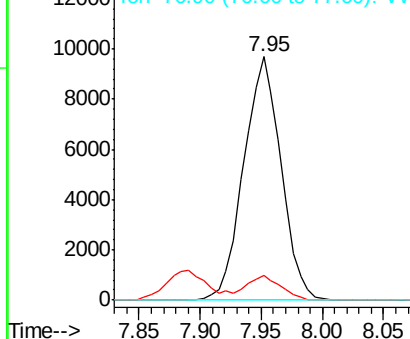
75 100

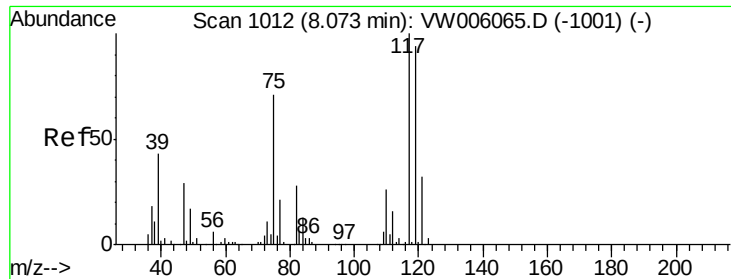
110 8.9 19.1 57.1#

77 0.0 25.0 37.4#



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





#38

Carbon Tetrachloride

Concen: 6.13 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006077.D

Acq: 16 Oct 2018 14:35

Instrument :
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ClientSampleId :
SSSI-1011-S-DH-30

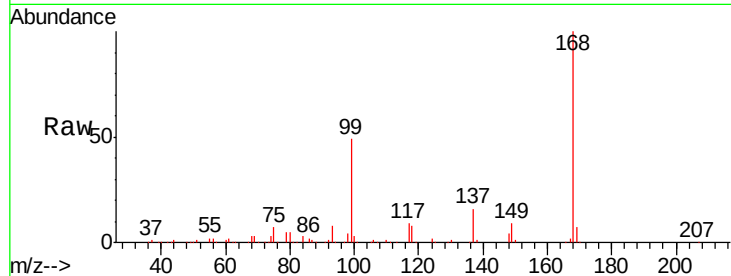
Tgt Ion:117 Resp: 27963

Ion Ratio Lower Upper

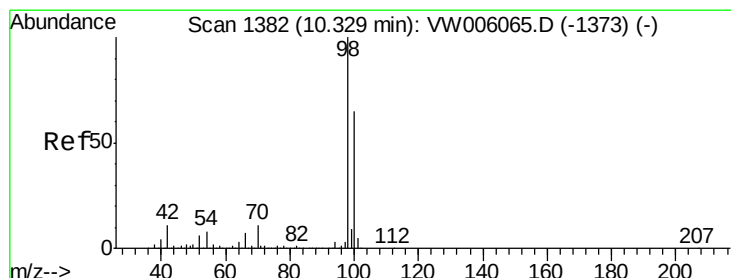
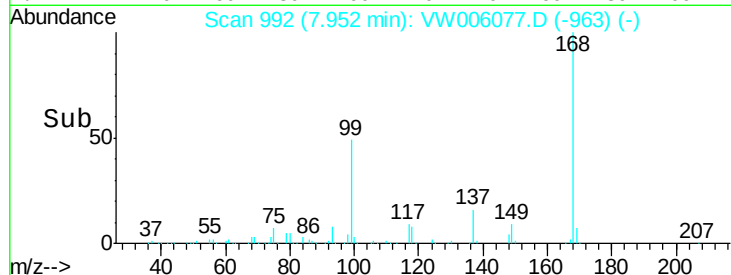
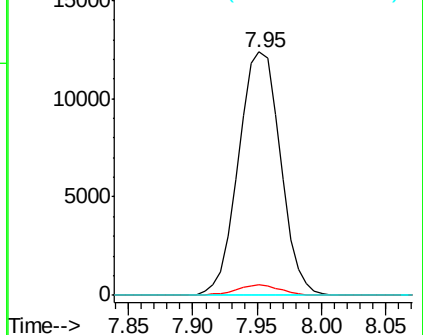
117 100

119 4.3 75.2 112.8#

121 0.0 25.3 37.9#



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: 43.94 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006077.D

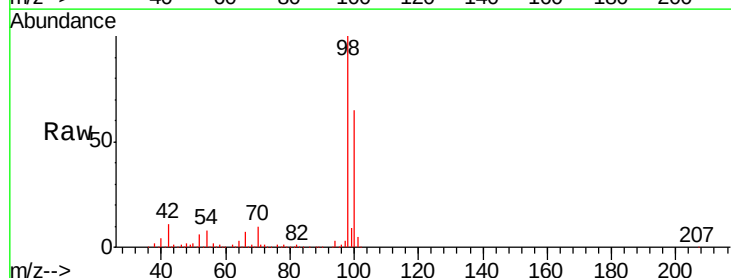
Acq: 16 Oct 2018 14:35

Tgt Ion: 98 Resp: 446202

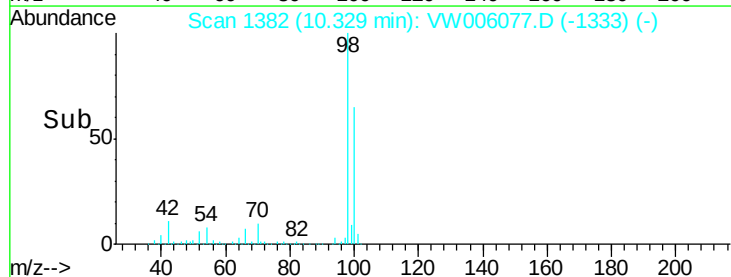
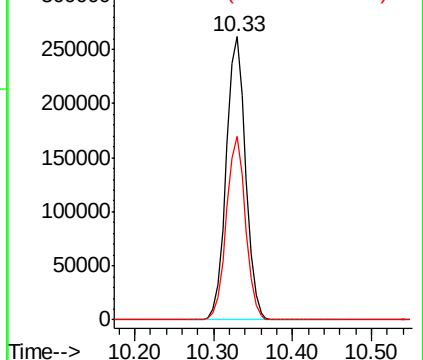
Ion Ratio Lower Upper

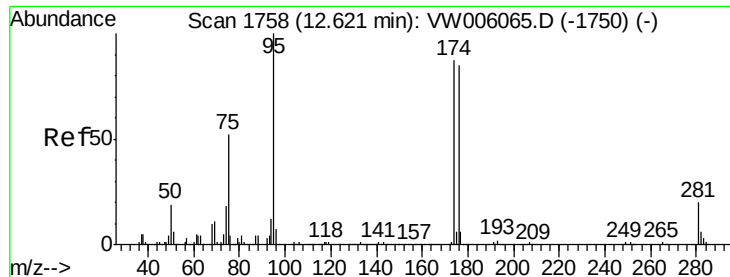
98 100

100 64.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V

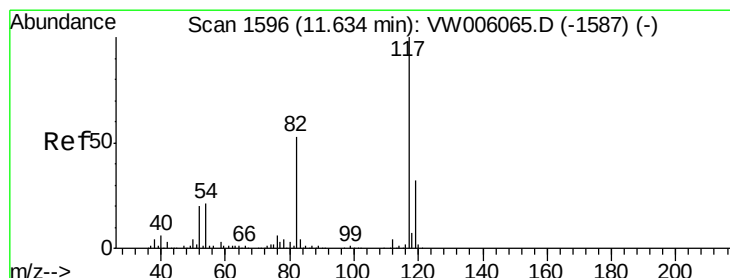
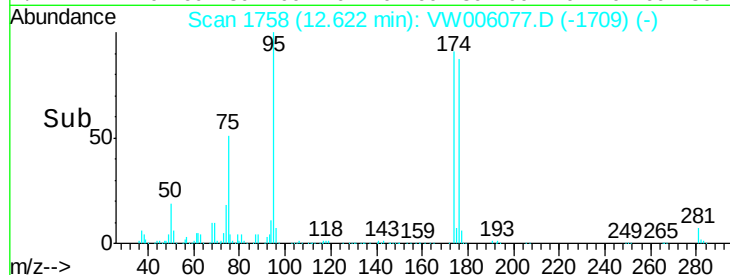
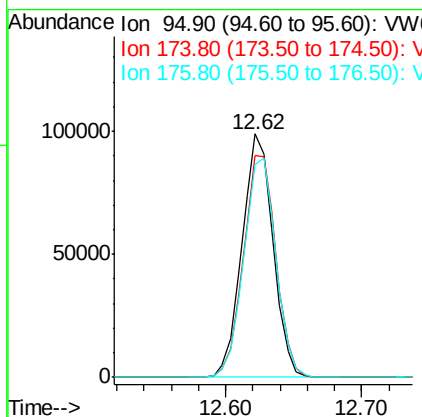
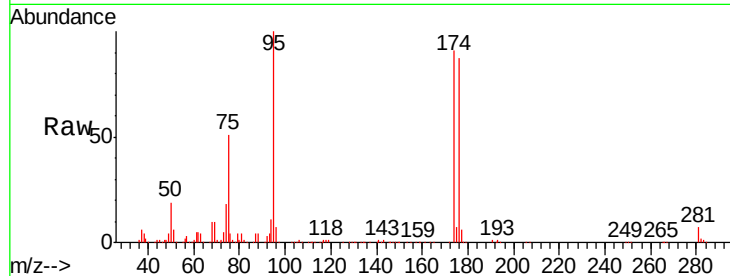




#62
4-Bromofluorobenzene
Concen: 41.22 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006077.D
Acq: 16 Oct 2018 14:35

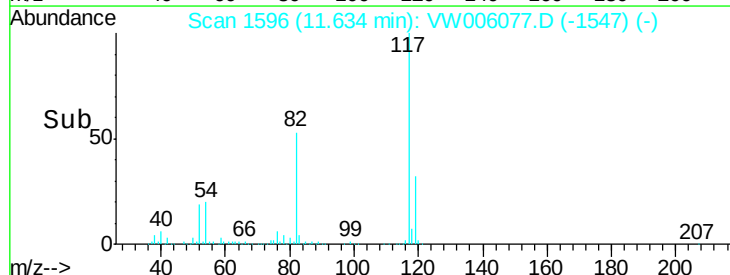
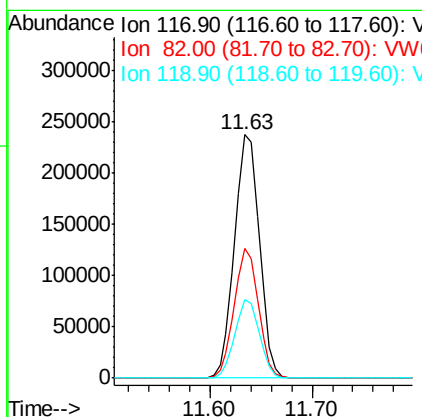
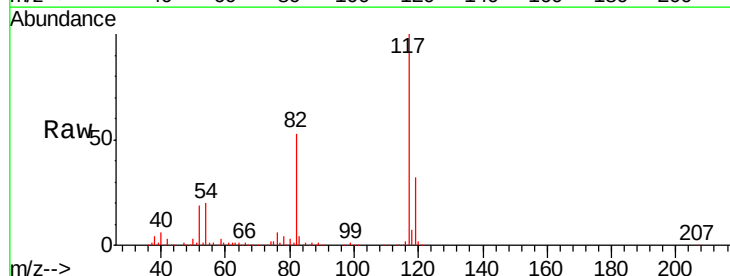
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MSVOA_W
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SSSI-1011-S-DH-30

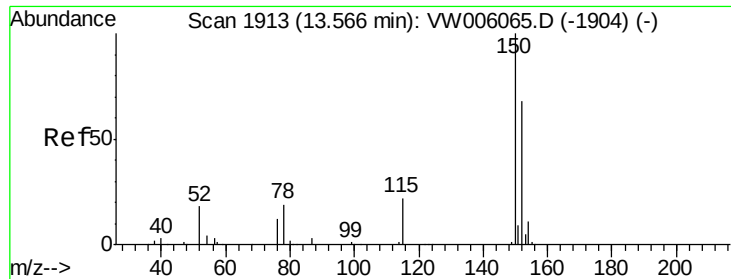
Tgt Ion: 95 Resp: 157194
Ion Ratio Lower Upper
95 100
174 95.9 0.0 186.0
176 93.5 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006077.D
Acq: 16 Oct 2018 14:35

Tgt Ion: 117 Resp: 399710
Ion Ratio Lower Upper
117 100
82 53.1 42.1 63.1
119 32.4 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006077.D

Acq: 16 Oct 2018 14:35

Instrument :

MSVOA_W

ClientSampleId :

SSSI-1011-S-DH-30

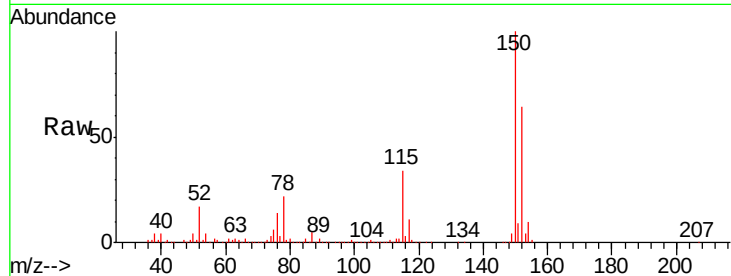
Tgt Ion:152 Resp: 203444

Ion Ratio Lower Upper

152 100

115 56.3 27.8 83.3

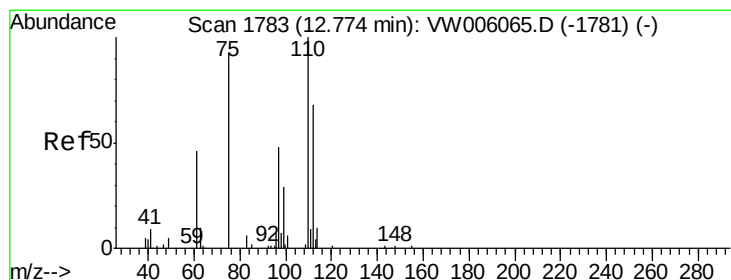
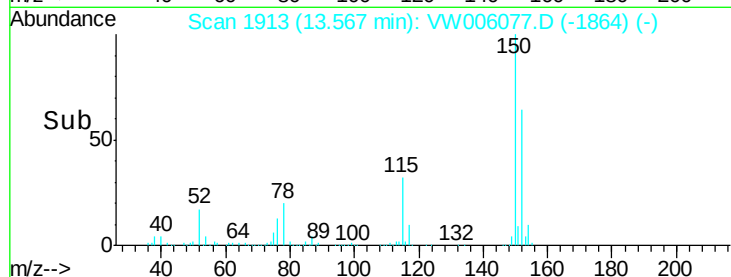
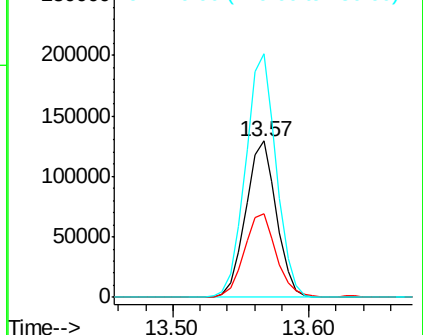
150 156.0 0.0 349.2



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: 53.09 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006077.D

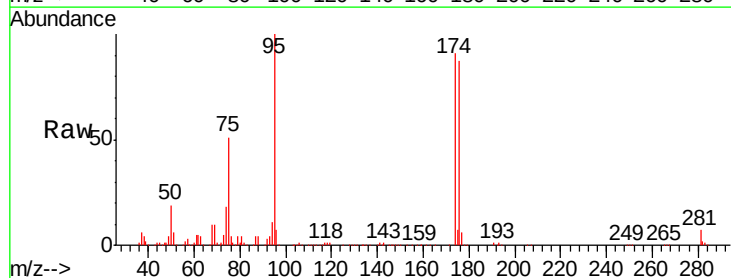
Acq: 16 Oct 2018 14:35

Tgt Ion: 75 Resp: 82504

Ion Ratio Lower Upper

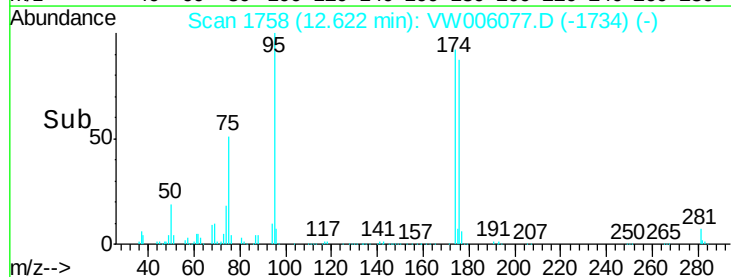
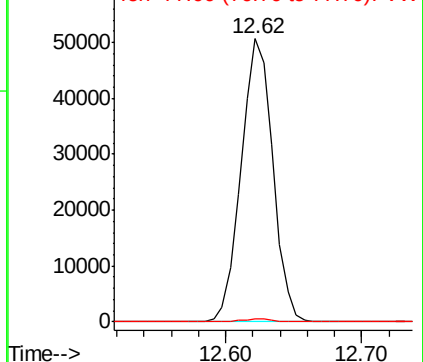
75 100

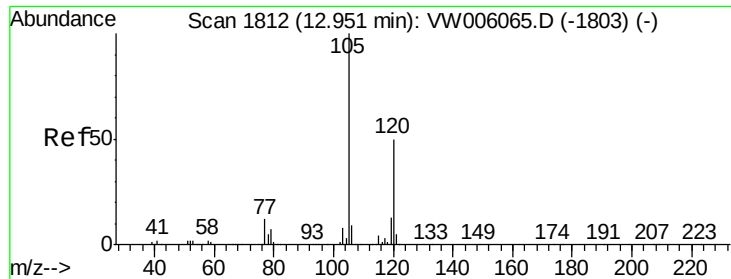
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#80

1,3,5-Trimethylbenzene

Concen: 7.96 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006077.D

Acq: 16 Oct 2018 14:35

Instrument :

MSVOA_W

ClientSampleId :

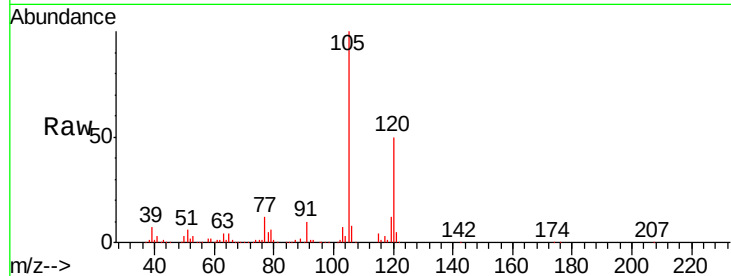
SSSI-1011-S-DH-30

Tgt Ion: 105 Resp: 96410

Ion Ratio Lower Upper

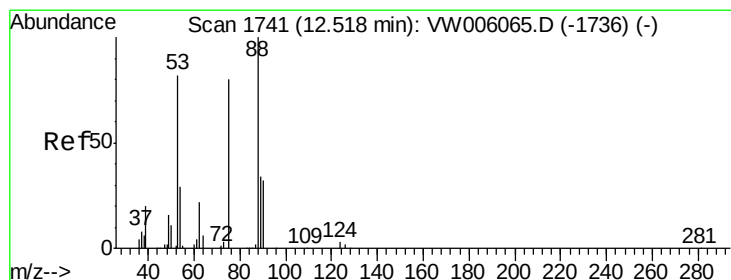
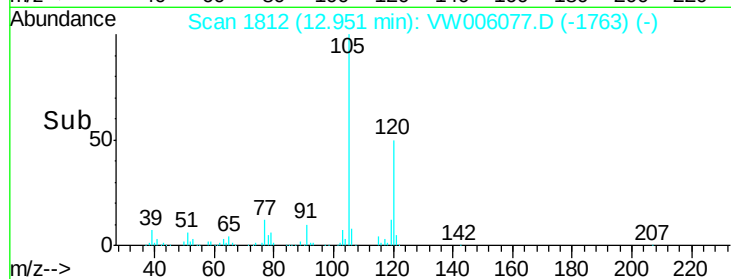
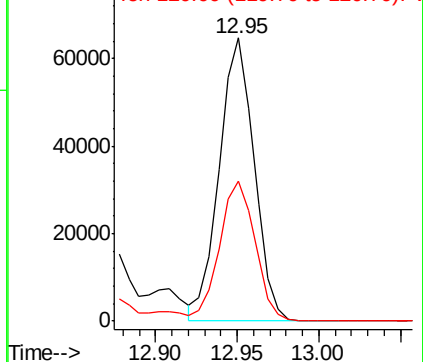
105 100

120 50.4 24.9 74.6



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: 126.92 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006077.D

Acq: 16 Oct 2018 14:35

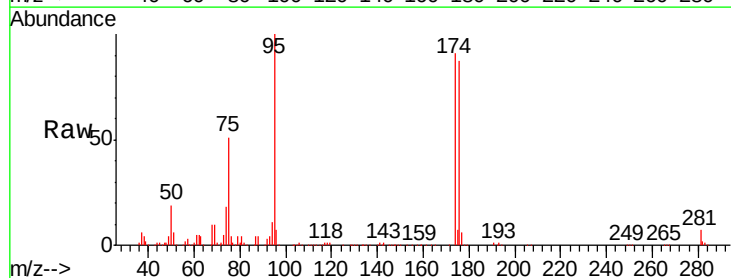
Tgt Ion: 75 Resp: 82504

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

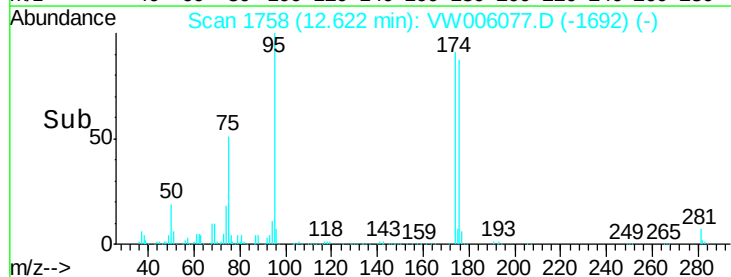
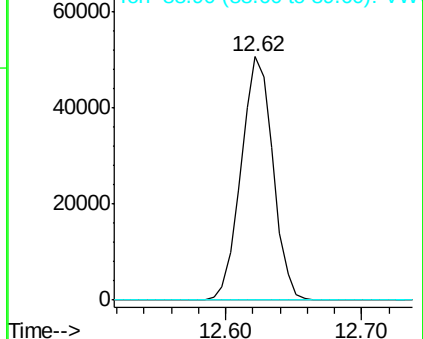
89 0.0 37.5 56.3#

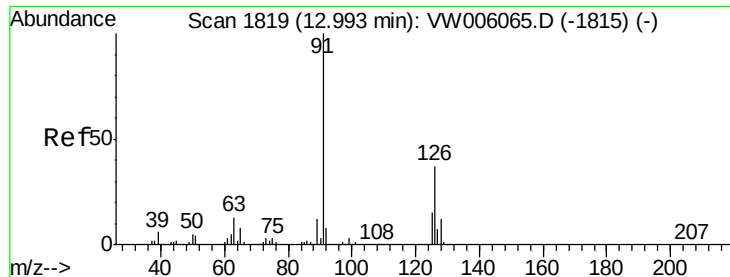


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#82

4-Chlorotoluene

Concen: 1.03 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.04 min

Lab File: VW006077.D

Acq: 16 Oct 2018 14:35

Instrument :

MSVOA_W

ClientSampleId :

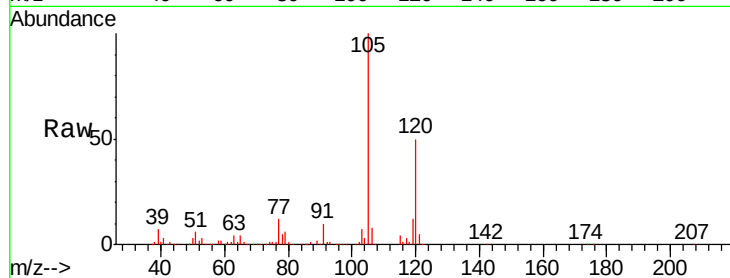
SSSI-1011-S-DH-30

Tgt Ion: 91 Resp: 10113

Ion Ratio Lower Upper

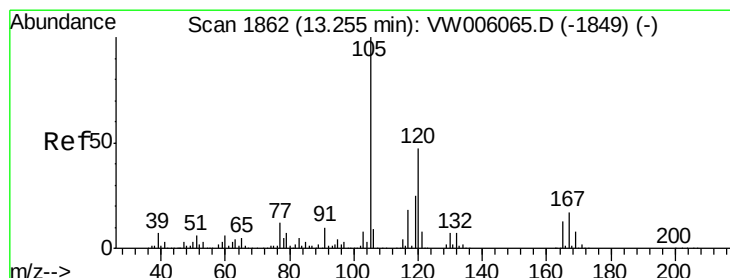
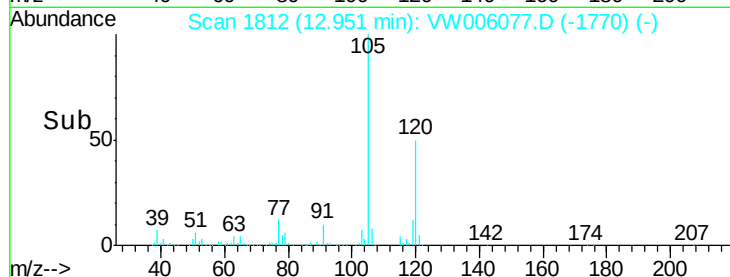
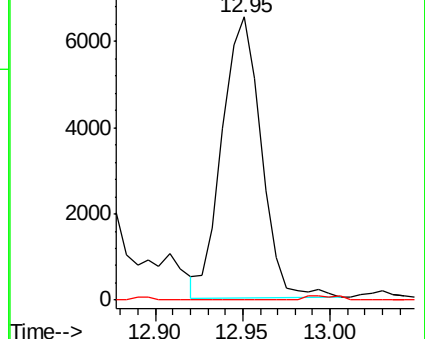
91 100

126 0.0 18.1 54.3#



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: 18.93 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW006077.D

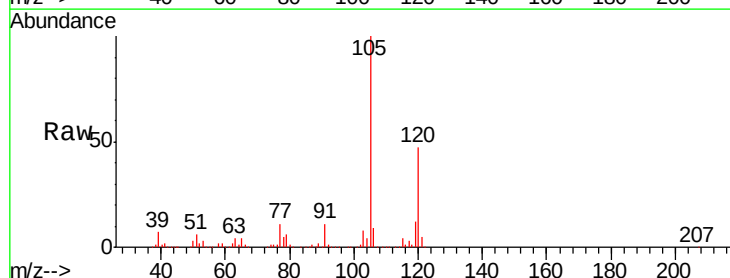
Acq: 16 Oct 2018 14:35

Tgt Ion: 105 Resp: 232107

Ion Ratio Lower Upper

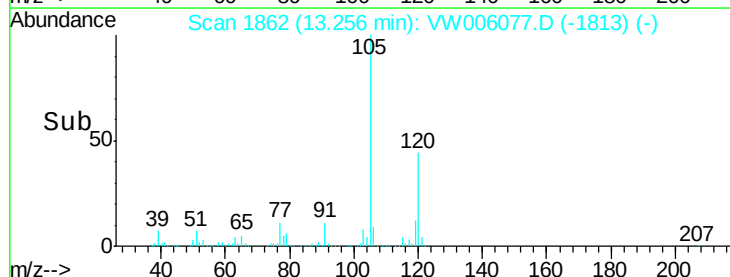
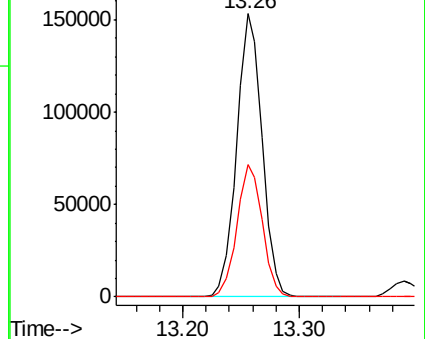
105 100

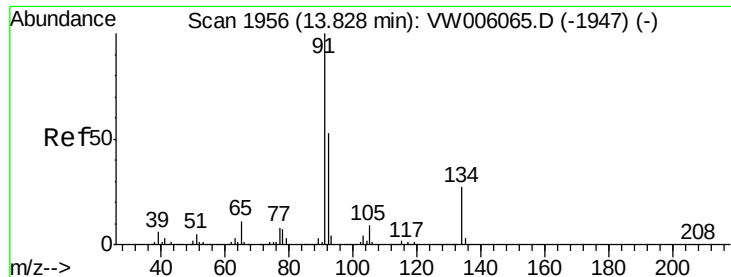
120 46.7 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

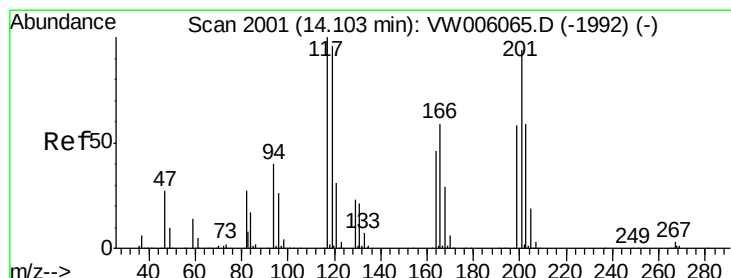
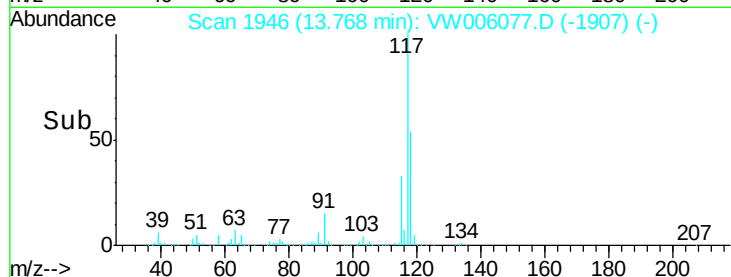
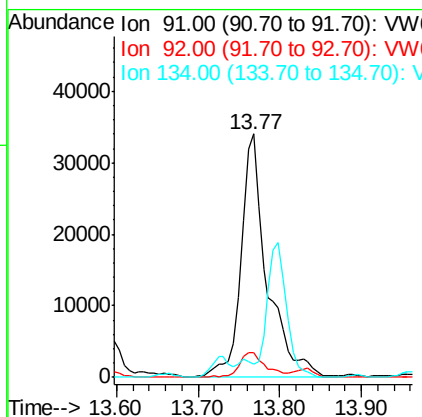
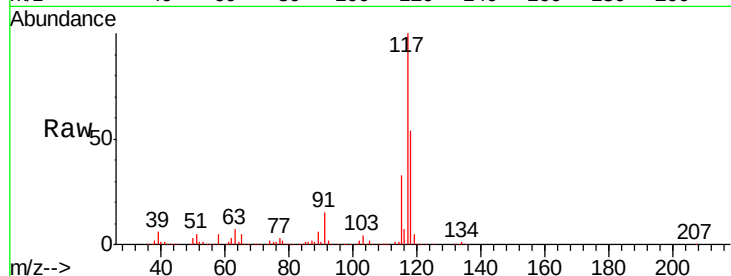




#89
n-Butylbenzene
Concen: 5.94 ug/l
RT: 13.77 min Scan# 1946
Delta R.T. -0.06 min
Lab File: VW006077.D
Acq: 16 Oct 2018 14:35

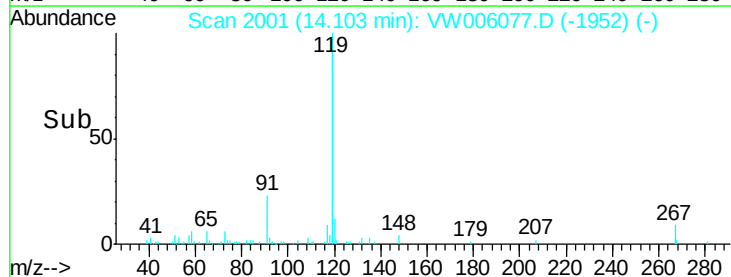
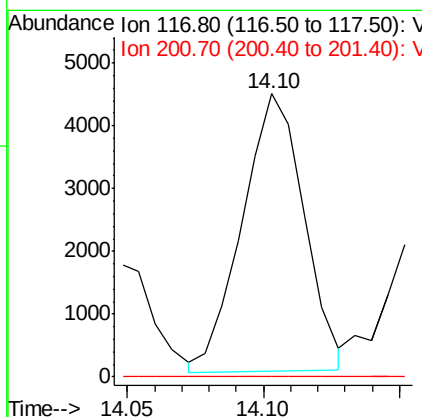
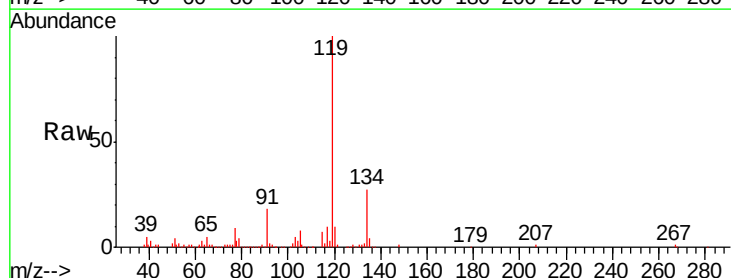
Instrument :
MSVOA_W
ClientSampleId :
SSSI-1011-S-DH-30

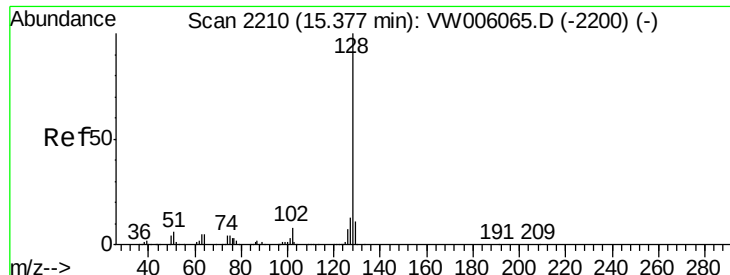
Tgt Ion: 91 Resp: 75213
Ion Ratio Lower Upper
91 100
92 10.4 26.6 79.7#
134 3.9 14.0 41.9#



#90
Hexachloroethane
Concen: 2.96 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.00 min
Lab File: VW006077.D
Acq: 16 Oct 2018 14:35

Tgt Ion: 117 Resp: 6947
Ion Ratio Lower Upper
117 100
201 0.0 45.3 135.9#

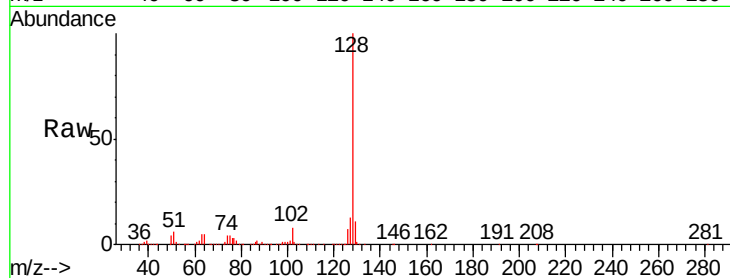




#95
Naphthalene
Concen: 69.29 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006077.D
Acq: 16 Oct 2018 14:35

Instrument :
MSVOA_W
ClientSampleId :
SSSI-1011-S-DH-30

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.0	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

