

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101718\
 Data File : VW006130.D
 Acq On : 17 Oct 2018 16:53
 Operator : VA/AP
 Sample : J5516-01RE
 Misc : 5.79G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SSSI-1011-S-DH-32RE

Quant Time: Oct 18 10:42:57 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	260917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	371242	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	268739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	77920	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	110148	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
35) Dibromofluoromethane	7.89	113	107864	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
50) Toluene-d8	10.33	98	348600	41.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.54%	
62) 4-Bromofluorobenzene	12.62	95	81088	25.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	51.74%	

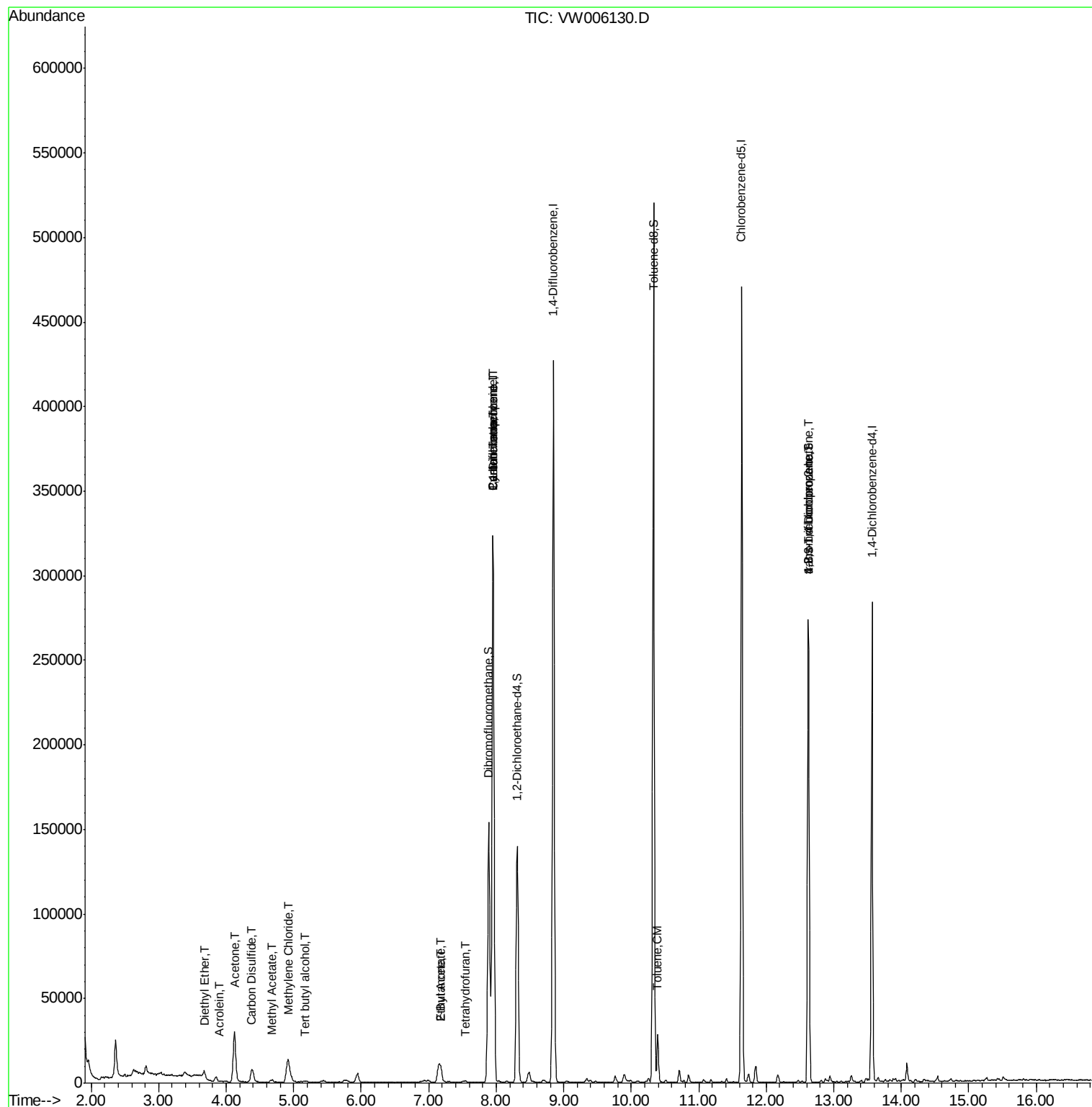
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1903	1.62	ug/l	85
11) Tert butyl alcohol	5.16	59	1374	9.44	ug/l #	71
13) Acrolein	3.89	56	318	2.26	ug/l #	16
16) Acetone	4.12	43	50368	116.19	ug/l	100
17) Carbon Disulfide	4.38	76	10378	1.58	ug/l	98
18) Methyl Acetate	4.67	43	3137	2.88	ug/l #	85
20) Methylene Chloride	4.92	84	11027	3.30	ug/l	96
25) 2-Butanone	7.18	43	10888	18.63	ug/l	89
29) Tetrahydrofuran	7.54	42	554	1.54	ug/l #	70
31) Cyclohexane	7.95	56	5089	1.29	ug/l #	11
36) 1,1-Dichloropropene	7.95	75	17372	5.08	ug/l #	48
37) Ethyl Acetate	7.18	43	10888	8.56	ug/l #	67
38) Carbon Tetrachloride	7.95	117	23627	6.30	ug/l #	16
52) Toluene	10.40	92	11880	1.89	ug/l	100
76) 1,2,3-Trichloropropane	12.62	75	41375	69.52	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	41375	166.18	ug/l #	10

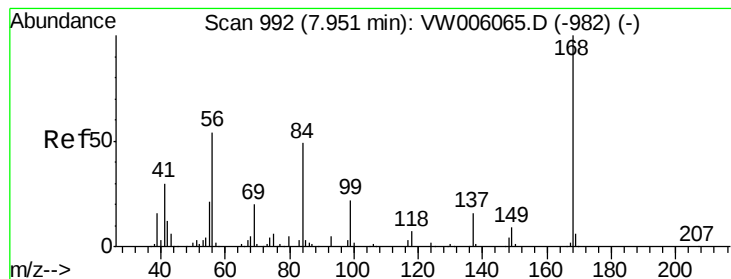
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 18 10:42:57 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 16 05:36:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006130.D

Acq: 17 Oct 2018 16:53

Instrument :

MSVOA_W

ClientSampleId :

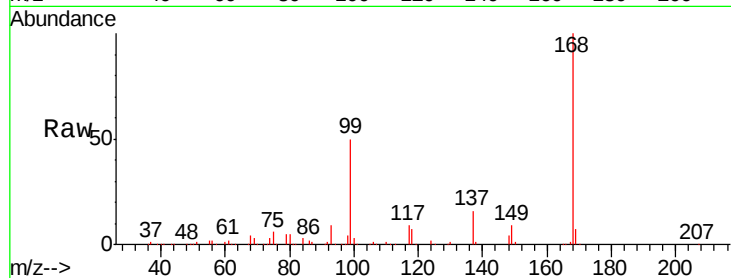
SSSI-1011-S-DH-32RE

Tgt Ion:168 Resp: 260917

Ion Ratio Lower Upper

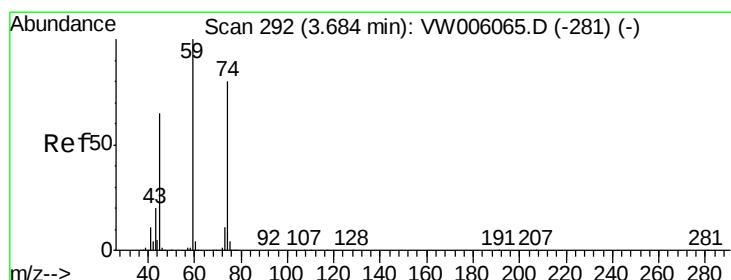
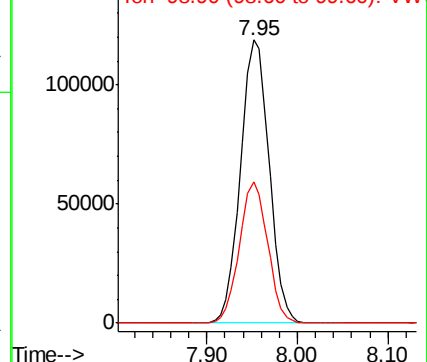
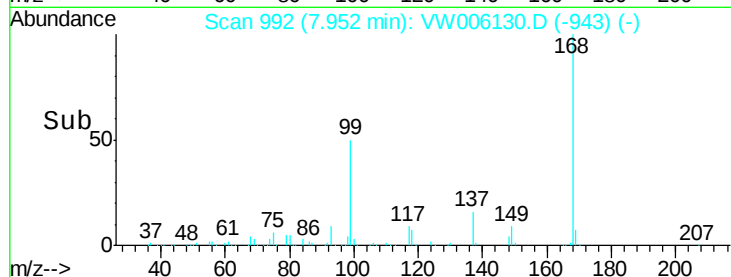
168 100

99 50.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.62 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW006130.D

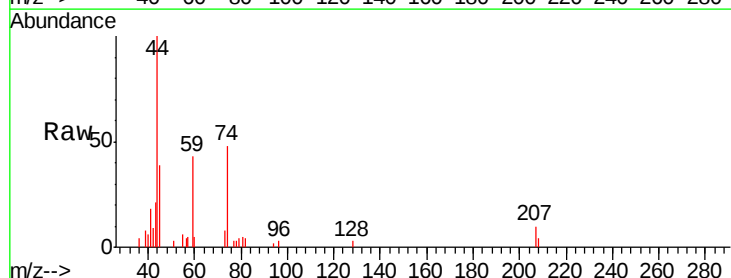
Acq: 17 Oct 2018 16:53

Tgt Ion: 74 Resp: 1903

Ion Ratio Lower Upper

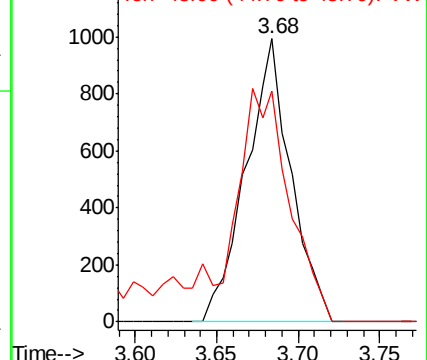
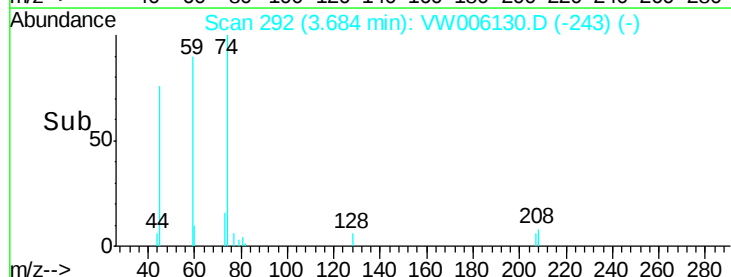
74 100

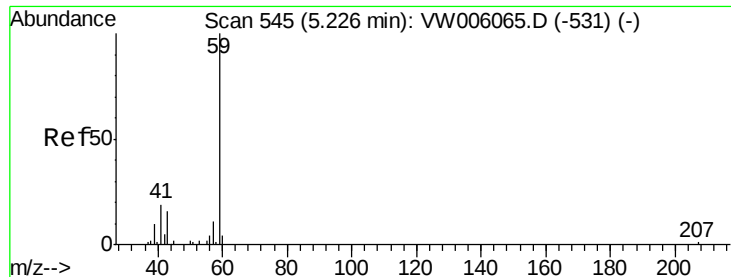
45 98.8 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 9.44 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.07 min

Lab File: VW006130.D

Acq: 17 Oct 2018 16:53

Instrument :

MSVOA_W

ClientSampleId :

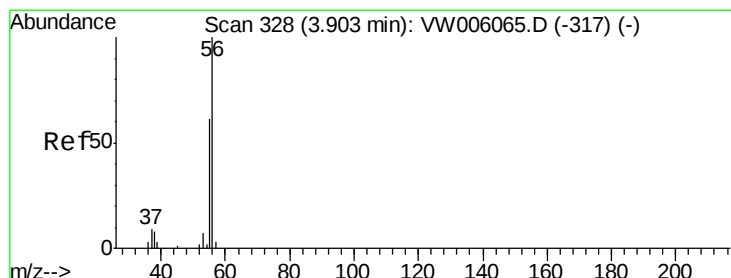
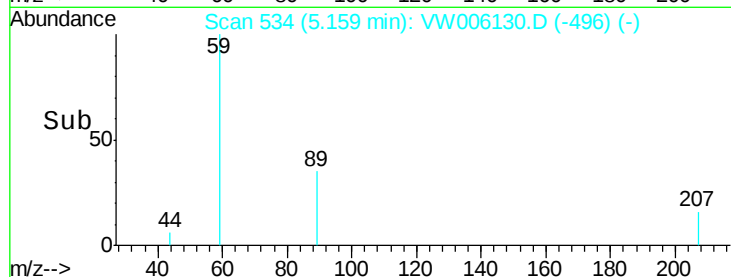
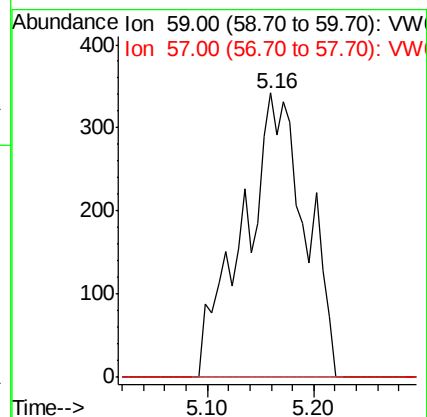
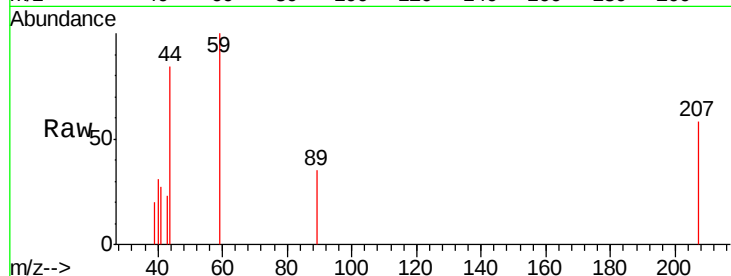
SSSI-1011-S-DH-32RE

Tgt Ion: 59 Resp: 1374

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#13

Acrolein

Concen: 2.26 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW006130.D

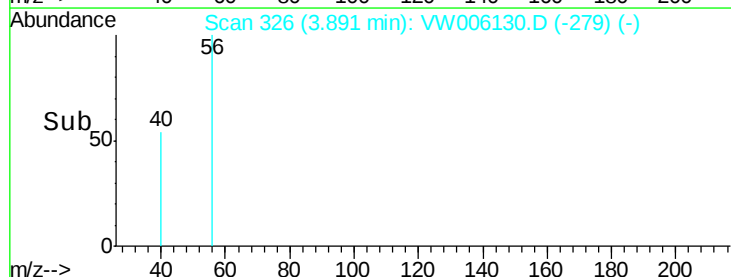
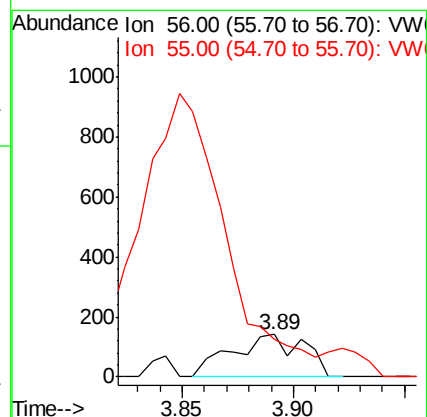
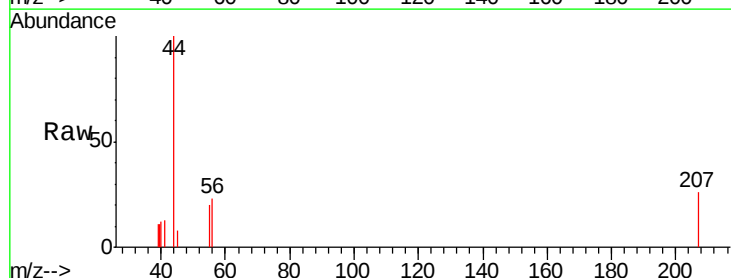
Acq: 17 Oct 2018 16:53

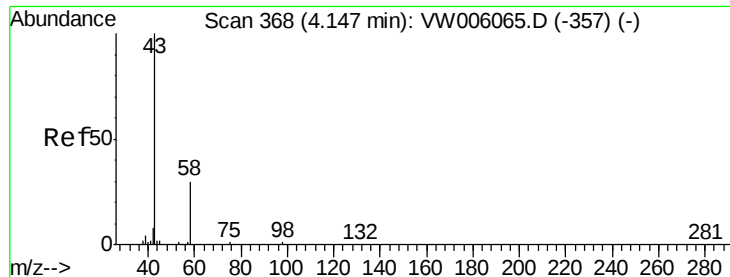
Tgt Ion: 56 Resp: 318

Ion Ratio Lower Upper

56 100

55 0.0 54.5 81.7#





#16

Acetone

Concen: 116.19 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW006130.D

Acq: 17 Oct 2018 16:53

Instrument :

MSVOA_W

ClientSampleId :

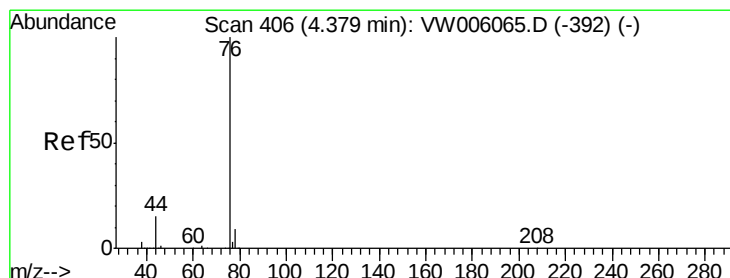
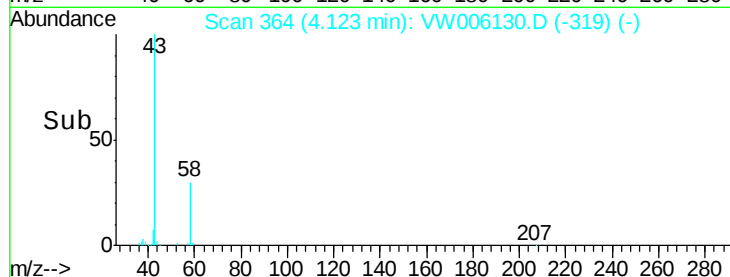
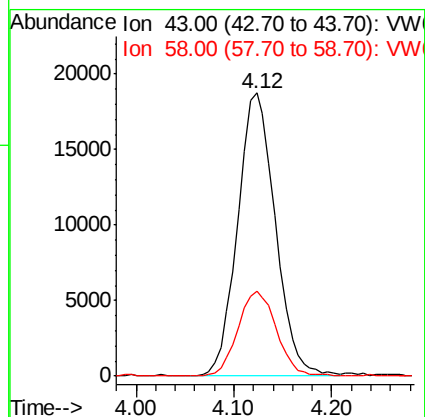
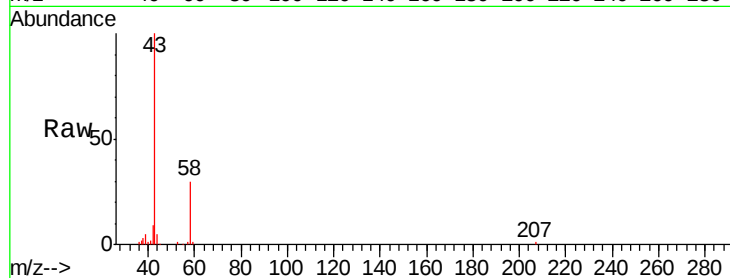
SSSI-1011-S-DH-32RE

Tgt Ion: 43 Resp: 50368

Ion Ratio Lower Upper

43 100

58 29.9 24.0 36.0



#17

Carbon Disulfide

Concen: 1.58 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006130.D

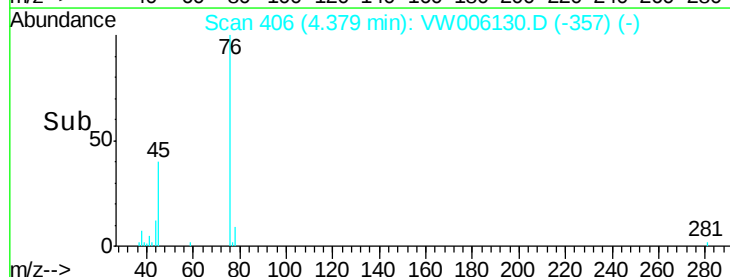
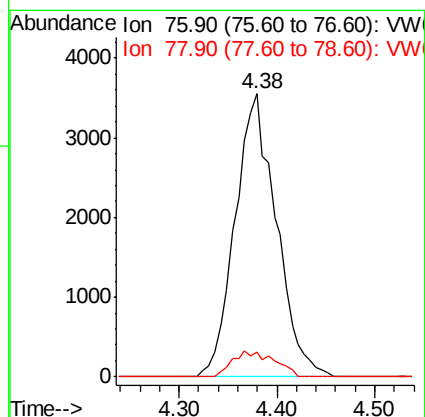
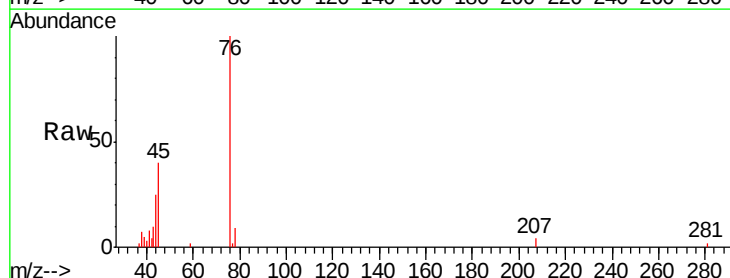
Acq: 17 Oct 2018 16:53

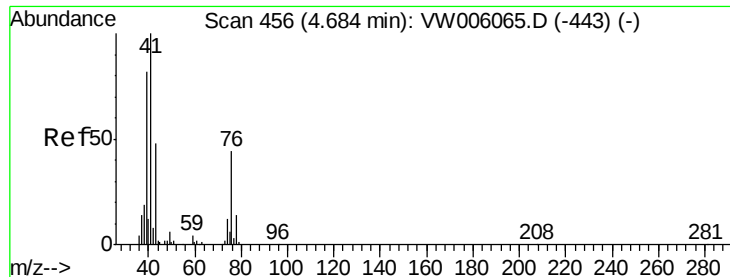
Tgt Ion: 76 Resp: 10378

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3

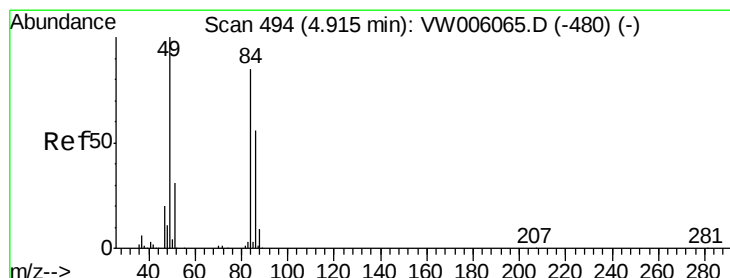
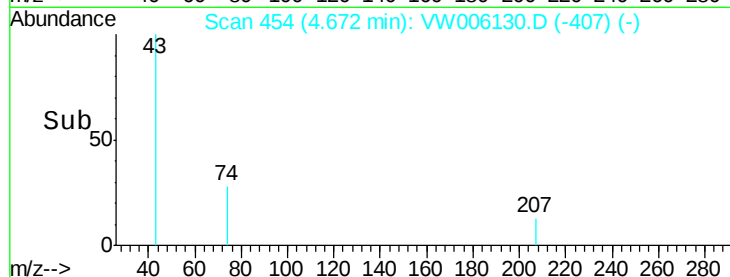
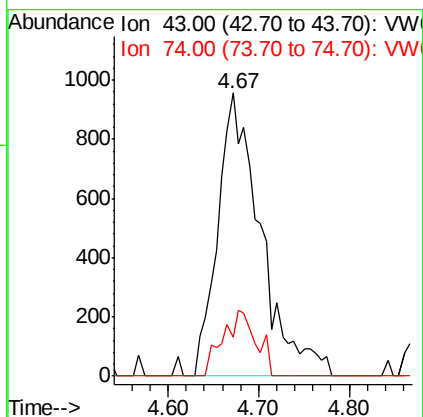
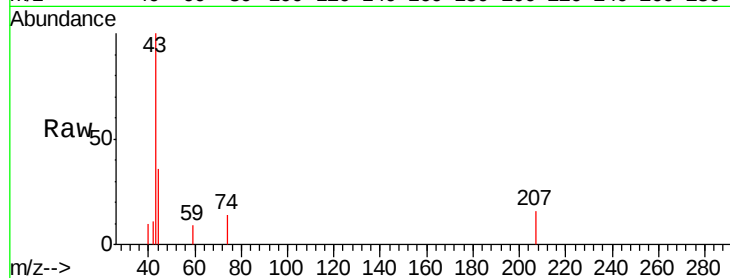




#18
Methyl Acetate
Concen: 2.88 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW006130.D
Acq: 17 Oct 2018 16:53

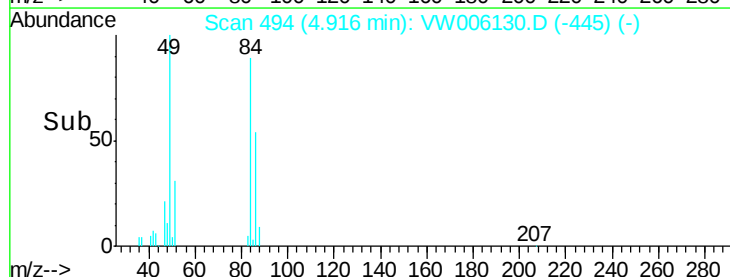
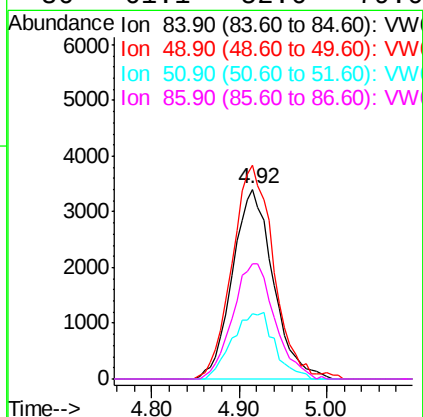
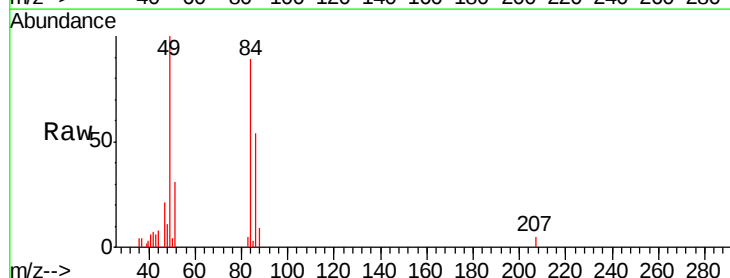
Instrument :
MSVOA_W
ClientSampleId :
SSSI-1011-S-DH-32RE

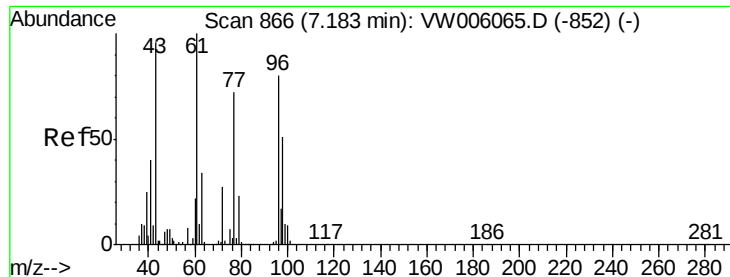
Tgt Ion: 43 Resp: 3137
Ion Ratio Lower Upper
43 100
74 17.9 20.5 30.7#



#20
Methylene Chloride
Concen: 3.30 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006130.D
Acq: 17 Oct 2018 16:53

Tgt Ion: 84 Resp: 11027
Ion Ratio Lower Upper
84 100
49 112.7 93.6 140.4
51 34.6 29.0 43.4
86 61.1 52.6 79.0





#25

2-Butanone

Concen: 18.63 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW006130.D

Acq: 17 Oct 2018 16:53

Instrument :

MSVOA_W

ClientSampleId :

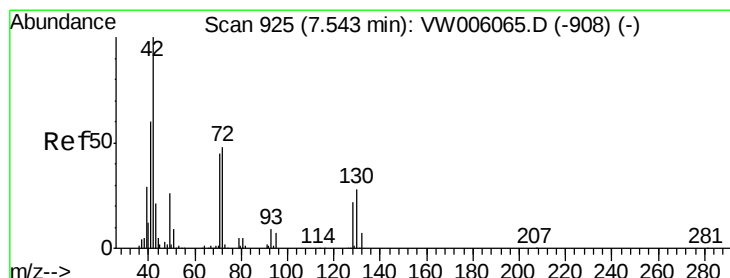
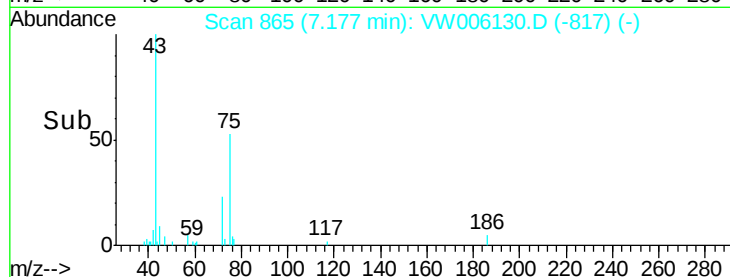
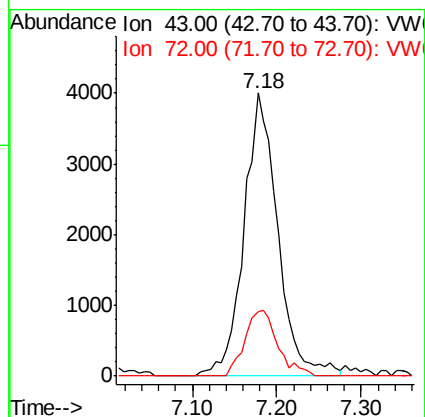
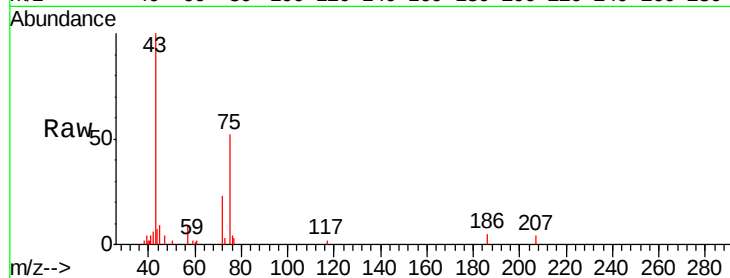
SSSI-1011-S-DH-32RE

Tgt Ion: 43 Resp: 10888

Ion Ratio Lower Upper

43 100

72 22.9 22.8 34.2



#29

Tetrahydrofuran

Concen: 1.54 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: VW006130.D

Acq: 17 Oct 2018 16:53

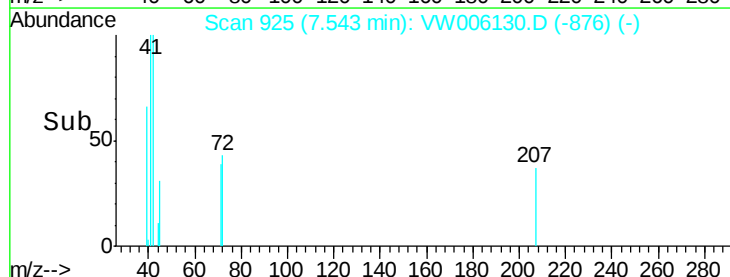
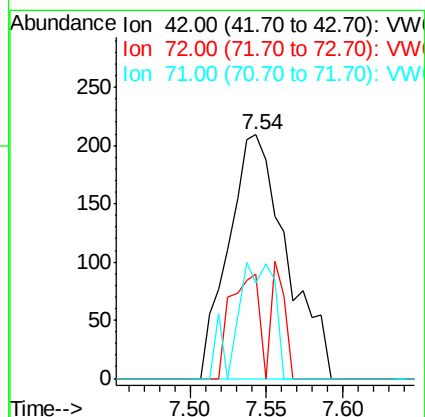
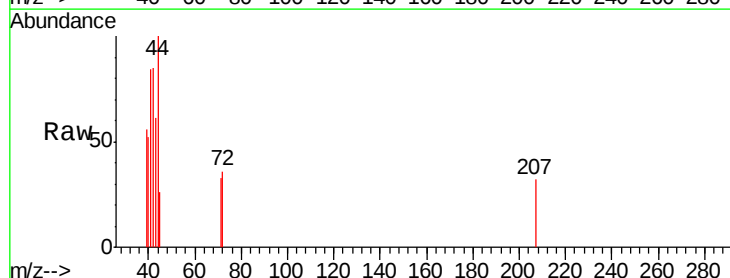
Tgt Ion: 42 Resp: 554

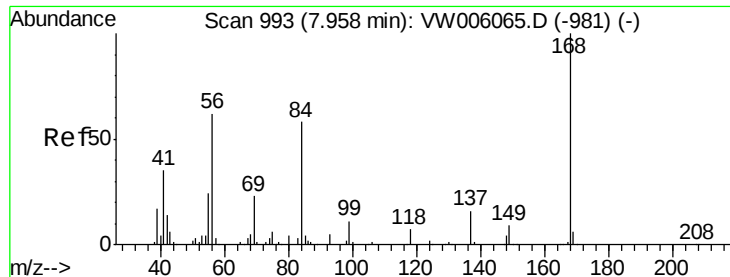
Ion Ratio Lower Upper

42 100

72 20.9 38.0 57.0#

71 31.2 35.3 52.9#

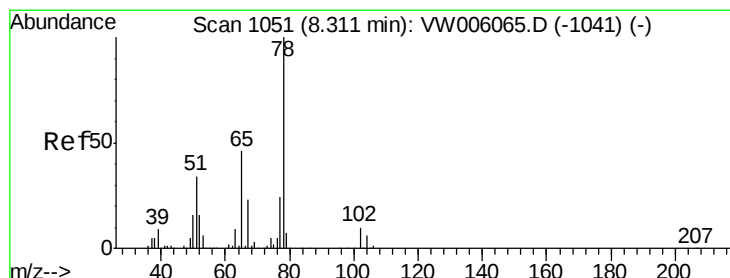
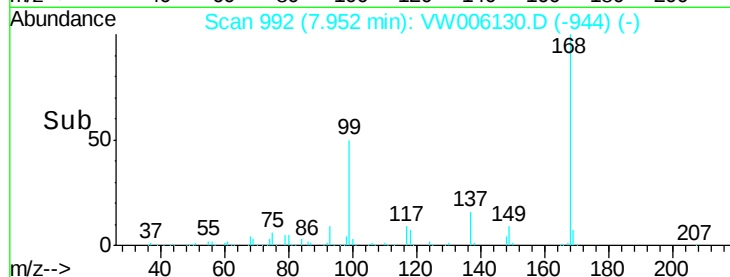
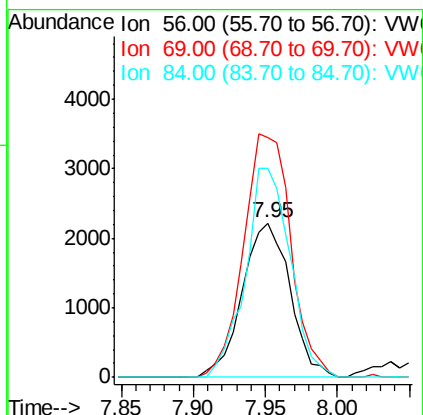
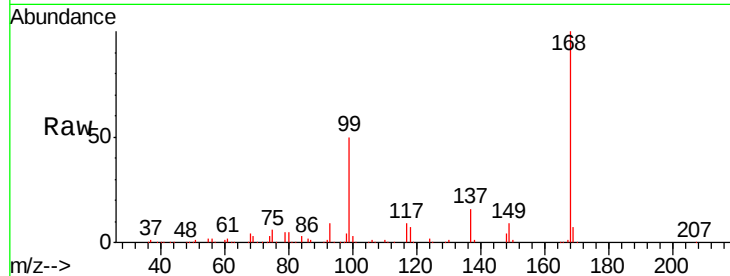




#31
Cyclohexane
Concen: 1.29 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006130.D
Acq: 17 Oct 2018 16:53

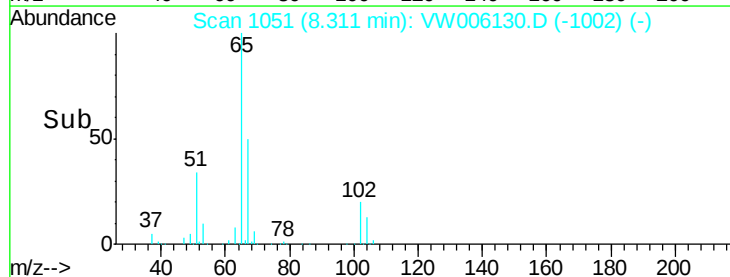
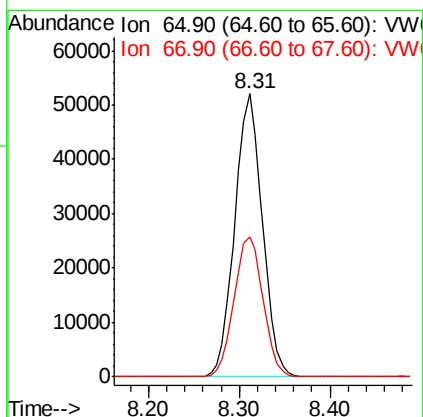
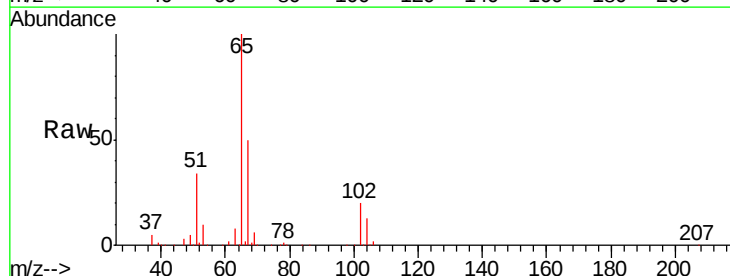
Instrument :
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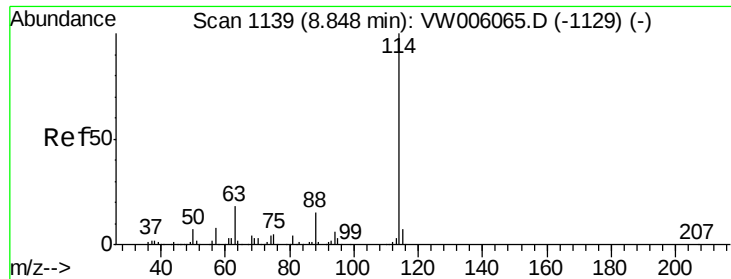
Tgt Ion: 56 Resp: 5089
Ion Ratio Lower Upper
56 100
69 156.1 29.4 44.0#
84 135.4 74.0 111.0#



#33
1,2-Dichloroethane-d4
Concen: 50.92 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW006130.D
Acq: 17 Oct 2018 16:53

Tgt Ion: 65 Resp: 110148
Ion Ratio Lower Upper
65 100
67 51.6 0.0 101.0

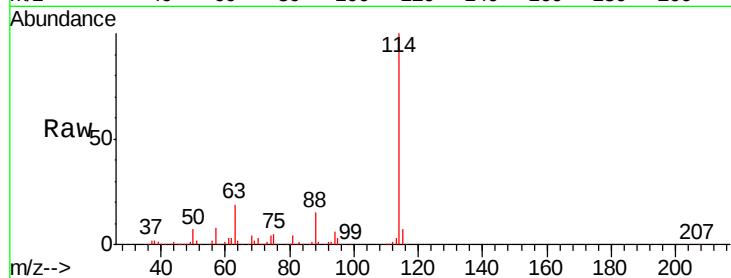




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006130.D
 Acq: 17 Oct 2018 16:53

Instrument :
 MSVOA_W
 ClientSampleId :
 SSSI-1011-S-DH-32RE

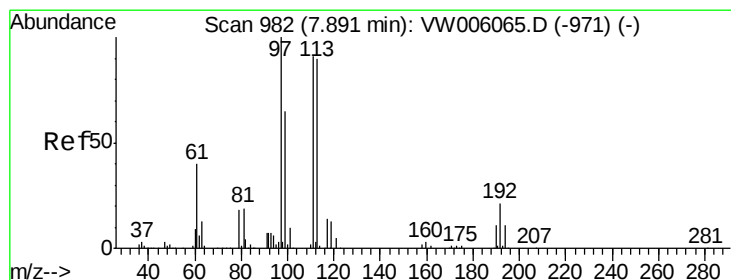
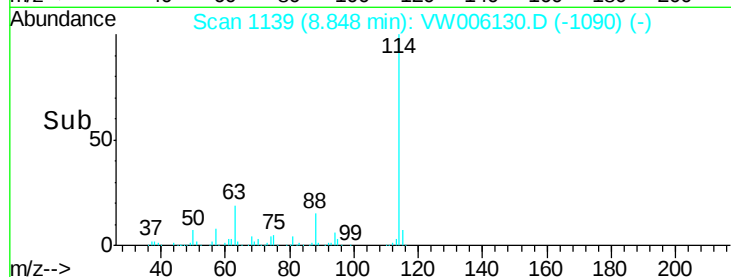
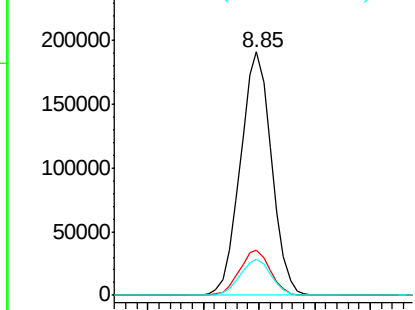
Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	36.8
88	14.9	0.0	29.0



Abundance Ion 113.90 (113.60 to 114.60): V

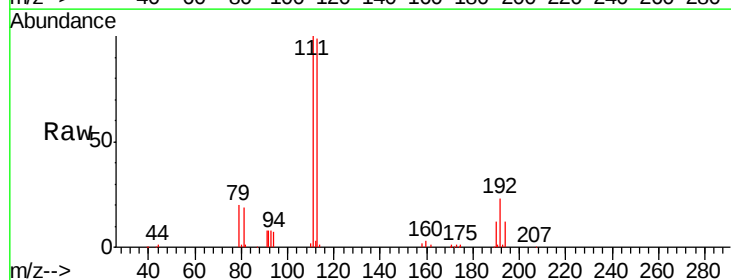
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
 Dibromofluoromethane
 Concen: 49.17 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006130.D
 Acq: 17 Oct 2018 16:53

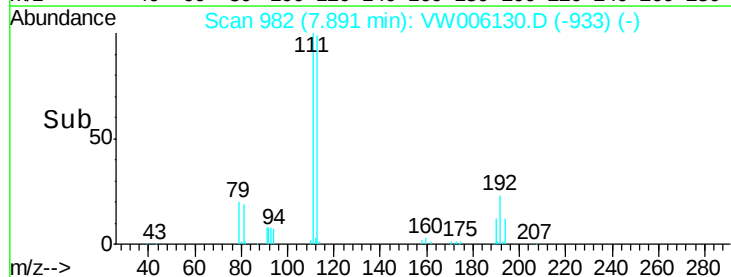
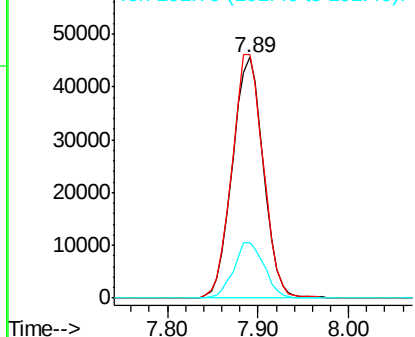
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.4	122.0
192	22.9	18.7	28.1

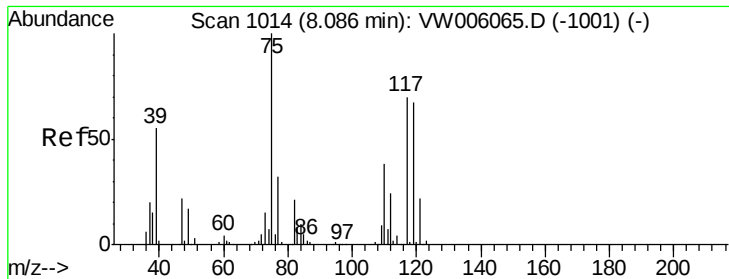


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.08 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006130.D

Acq: 17 Oct 2018 16:53

Instrument :

MSVOA_W

ClientSampleId :

SSSI-1011-S-DH-32RE

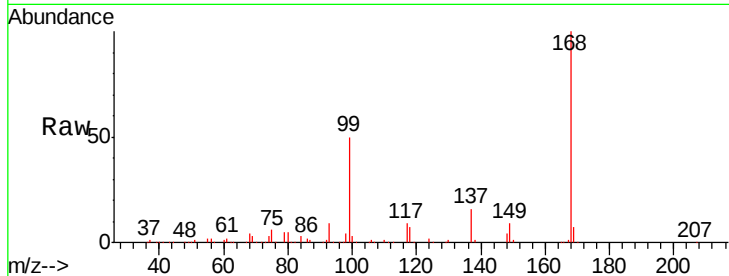
Tgt Ion: 75 Resp: 17372

Ion Ratio Lower Upper

75 100

110 8.8 19.1 57.1#

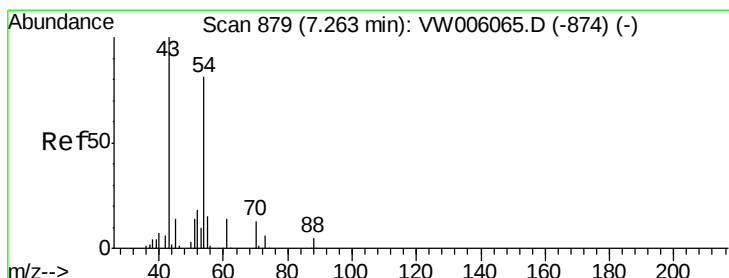
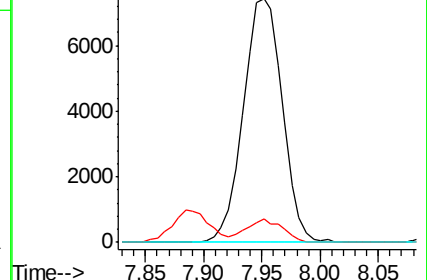
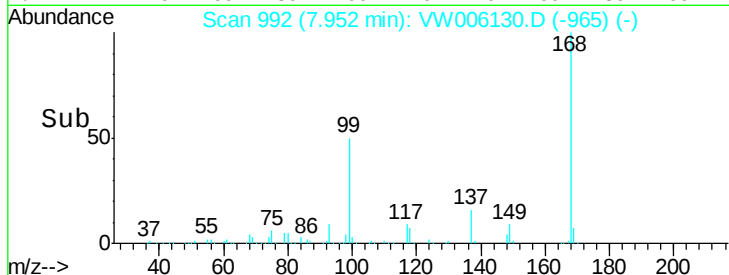
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 8.56 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.09 min

Lab File: VW006130.D

Acq: 17 Oct 2018 16:53

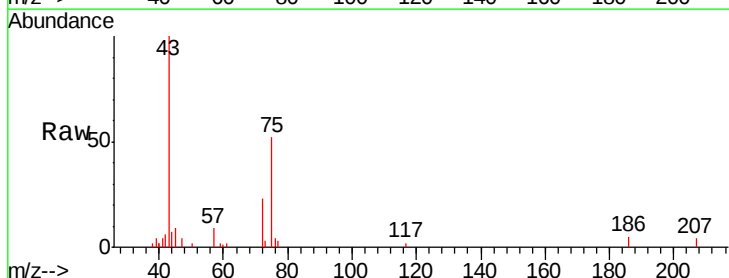
Tgt Ion: 43 Resp: 10888

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

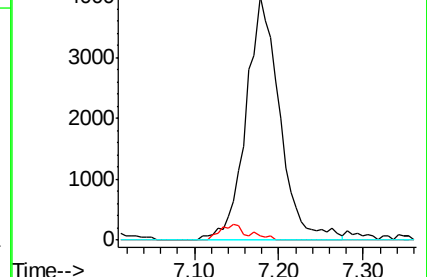
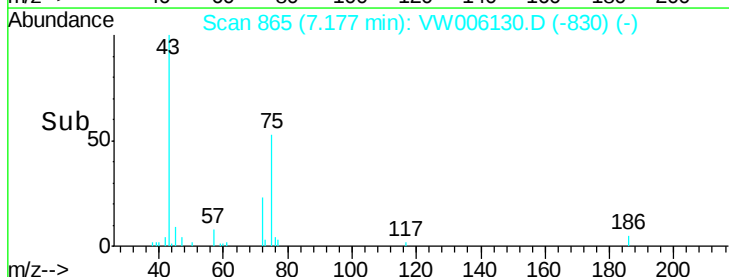
70 0.0 9.2 13.8#

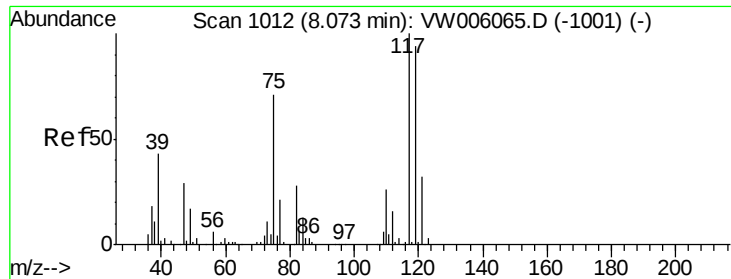


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

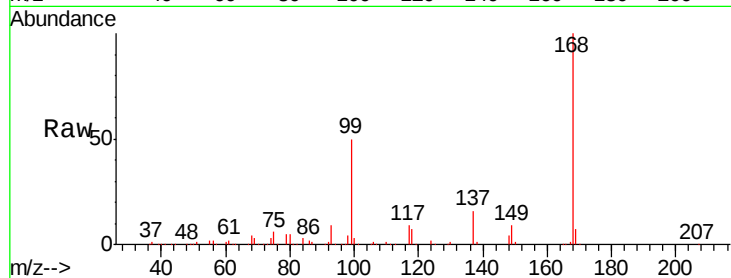




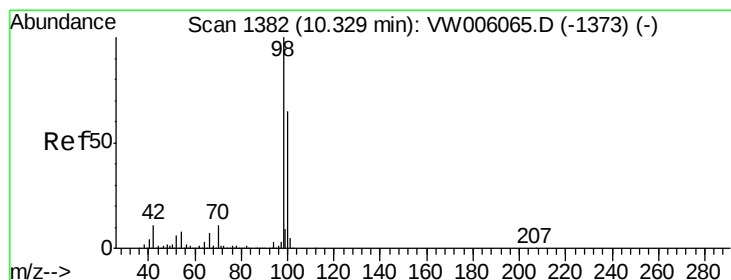
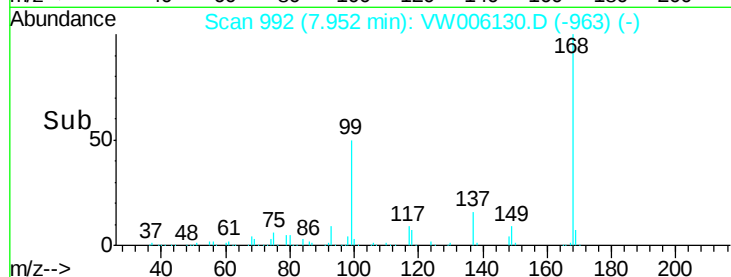
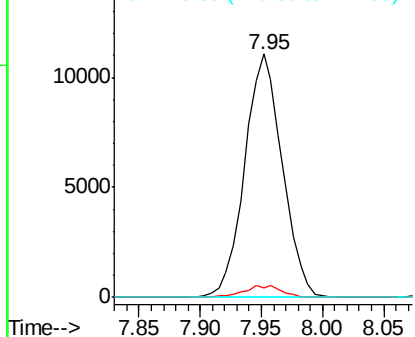
#38
Carbon Tetrachloride
Concen: 6.30 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006130.D
Acq: 17 Oct 2018 16:53

Instrument :
MSVOA_W
ClientSampleId :
SSSI-1011-S-DH-32RE

Tgt Ion:117 Resp: 23627
Ion Ratio Lower Upper
117 100
119 4.0 75.2 112.8#
121 0.0 25.3 37.9#

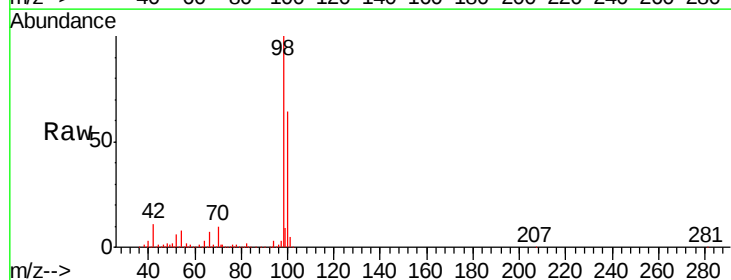


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

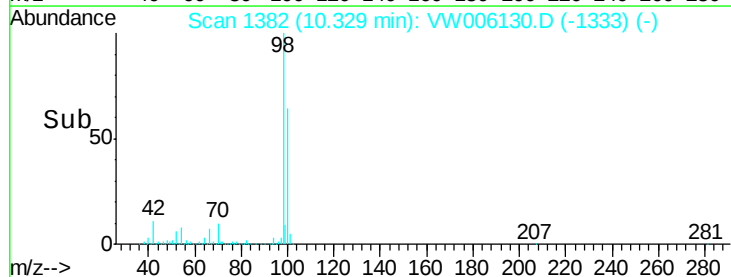
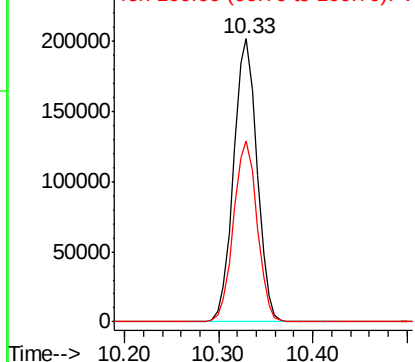


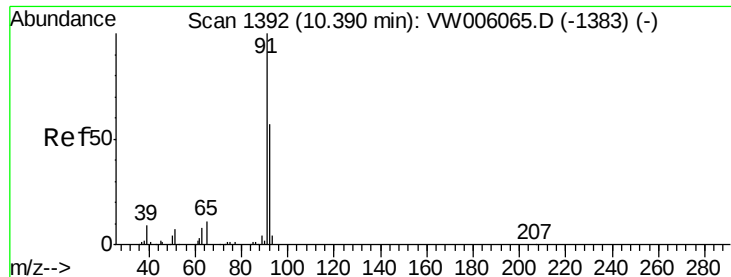
#50
Toluene-d8
Concen: 41.77 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006130.D
Acq: 17 Oct 2018 16:53

Tgt Ion: 98 Resp: 348600
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



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





#52

Toluene

Concen: 1.89 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW006130.D

Acq: 17 Oct 2018 16:53

Instrument :

MSVOA_W

ClientSampleId :

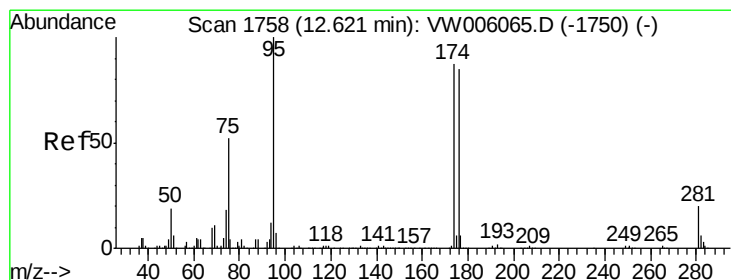
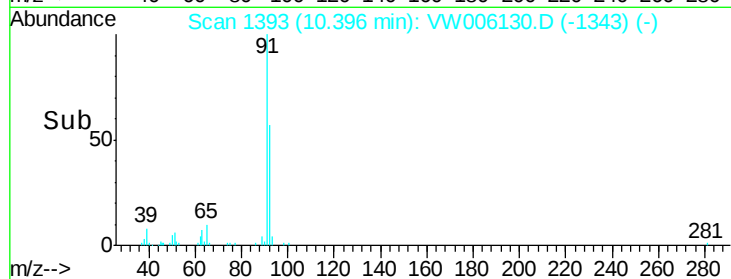
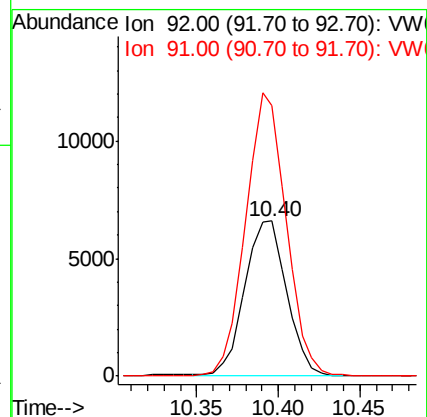
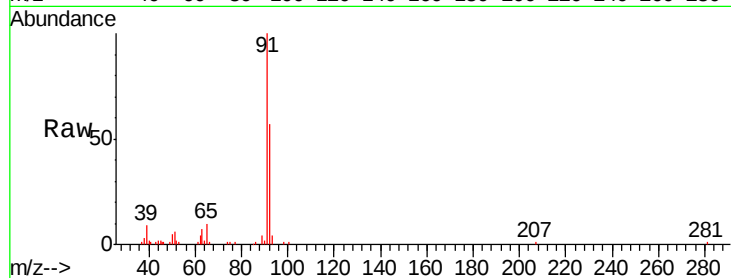
SSSI-1011-S-DH-32RE

Tgt Ion: 92 Resp: 11880

Ion Ratio Lower Upper

92 100

91 175.6 140.0 210.0



#62

4-Bromofluorobenzene

Concen: 25.87 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006130.D

Acq: 17 Oct 2018 16:53

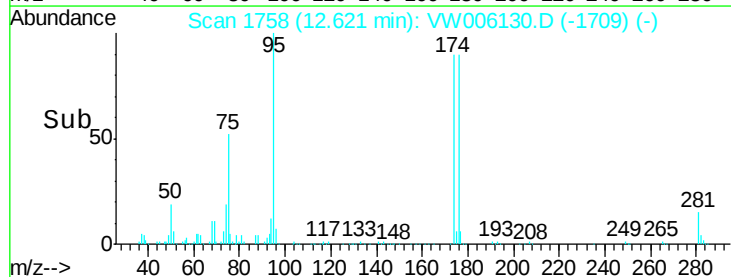
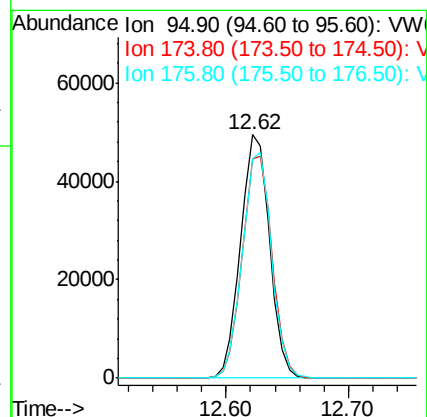
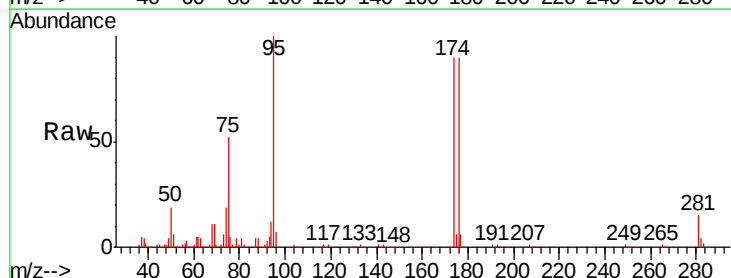
Tgt Ion: 95 Resp: 81088

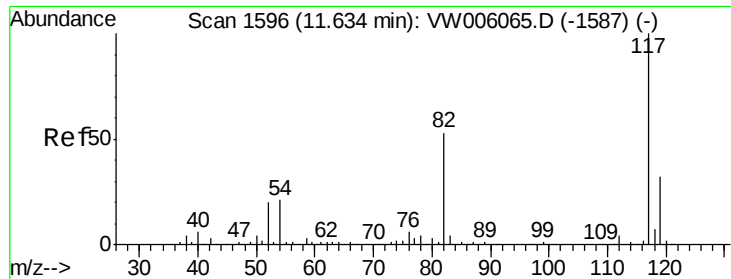
Ion Ratio Lower Upper

95 100

174 93.7 0.0 186.0

176 93.2 0.0 181.6

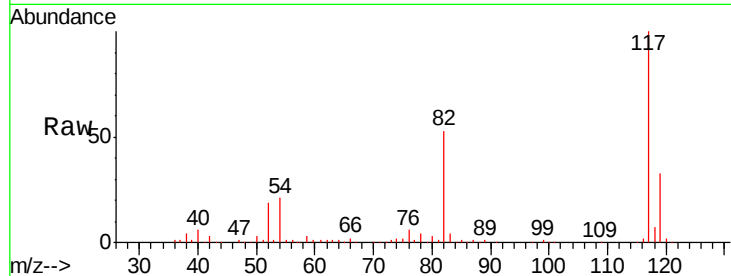




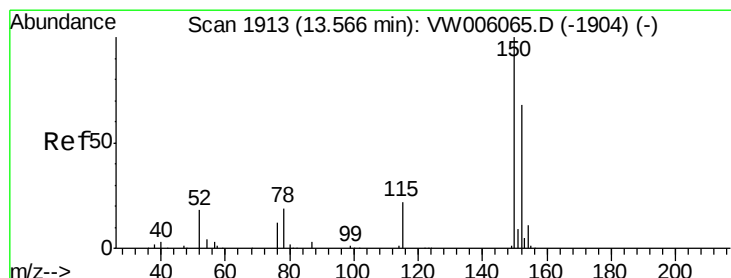
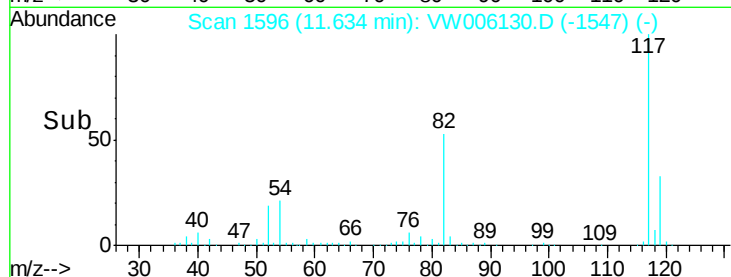
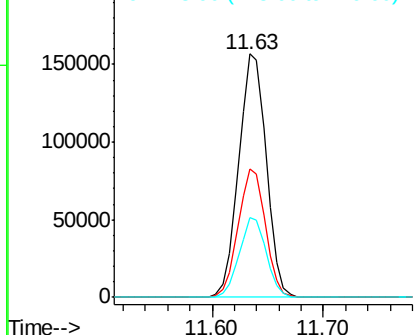
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006130.D
Acq: 17 Oct 2018 16:53

Instrument :
MSVOA_W
ClientSampleId :
SSSI-1011-S-DH-32RE

Tgt Ion:117 Resp: 268739
Ion Ratio Lower Upper
117 100
82 53.0 42.1 63.1
119 32.7 25.8 38.6

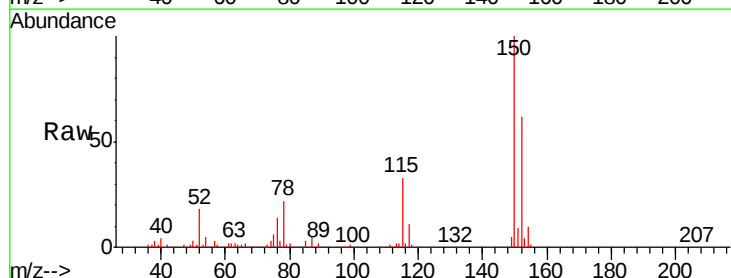


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

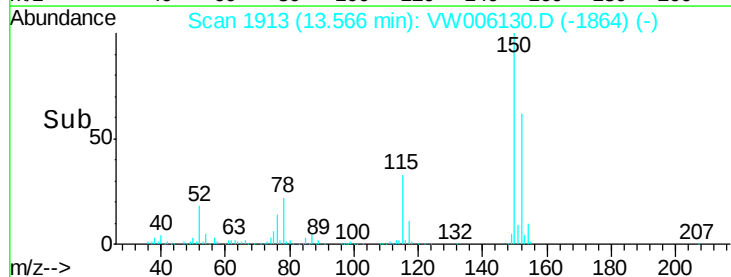
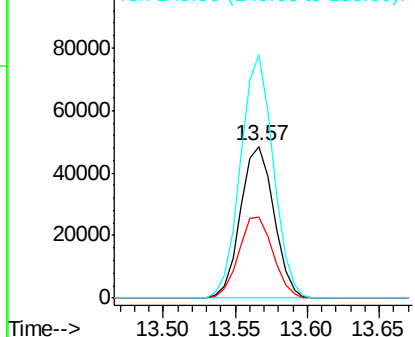


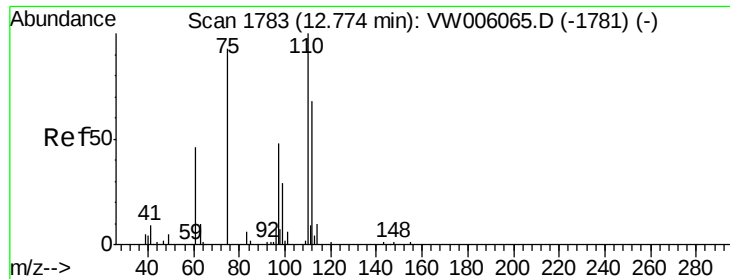
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006130.D
Acq: 17 Oct 2018 16:53

Tgt Ion:152 Resp: 77920
Ion Ratio Lower Upper
152 100
115 54.9 27.8 83.3
150 157.3 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: 69.52 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006130.D

Acq: 17 Oct 2018 16:53

Instrument :

MSVOA_W

ClientSampleId :

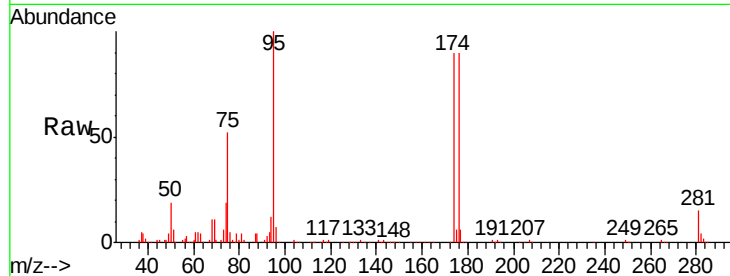
SSSI-1011-S-DH-32RE

Tgt Ion: 75 Resp: 41375

Ion Ratio Lower Upper

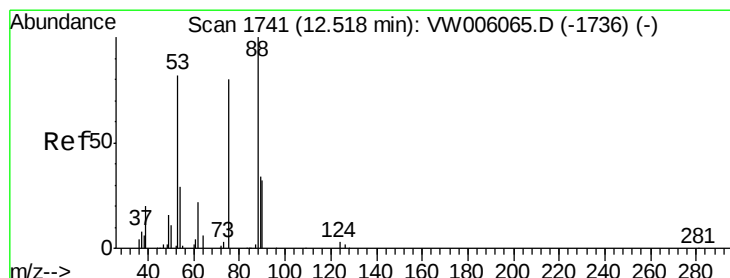
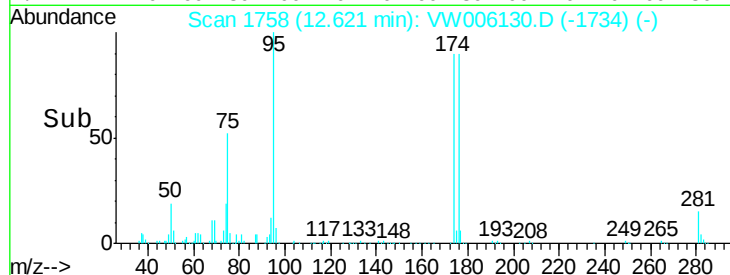
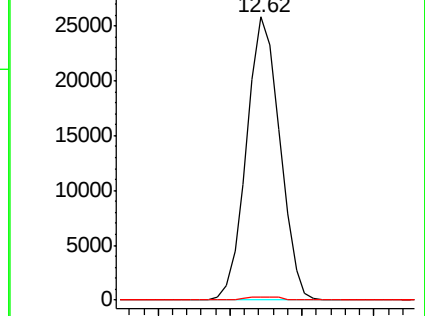
75 100

77 1.2 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: 166.18 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006130.D

Acq: 17 Oct 2018 16:53

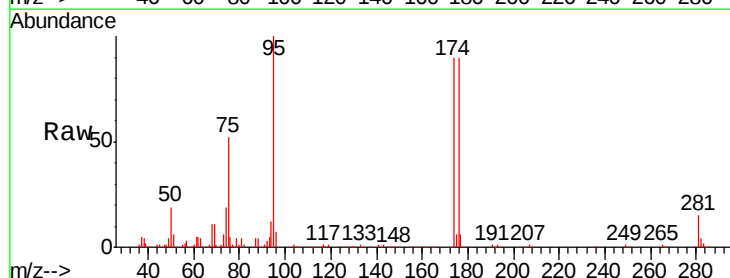
Tgt Ion: 75 Resp: 41375

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

