

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120518\
 Data File : VW007243.D
 Acq On : 05 Dec 2018 20:28
 Operator : SY/AP
 Sample : J6206-12RE
 Misc : 3.1G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-4A-(1)RE

Quant Time: Dec 06 06:23:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	45149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	72772	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	49990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	13407	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	21451	51.03	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.06%		
35) Dibromofluoromethane	7.89	113	19609	47.06	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.12%		
50) Toluene-d8	10.33	98	65749	35.82	ug/l	0.00
Spiked Amount 50.000			Recovery =	71.64%		
62) 4-Bromofluorobenzene	12.62	95	15604	22.52	ug/l	0.00
Spiked Amount 50.000			Recovery =	45.04%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	49	Below Cal	#	75
16) Acetone	4.13	43	355	3.567	ug/l #	45
20) Methylene Chloride	4.92	84	4832	4.942	ug/l	93
31) Cyclohexane	7.95	56	890	1.067	ug/l #	2
36) 1,1-Dichloropropene	7.96	75	3554	5.019	ug/l #	48
38) Carbon Tetrachloride	7.95	117	4519	6.253	ug/l #	18
51) 4-Methyl-2-Pentanone	10.32	43	251	1.024	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	8158	78.585	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	8158	169.378	ug/l #	13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007243.D

Acq: 05 Dec 2018 20:28

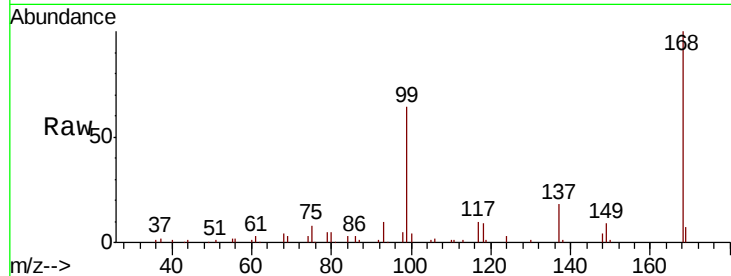
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-4A-(1)RE

Tot Ion:168 Resp: 45149

Ion Ratio Lower Upper

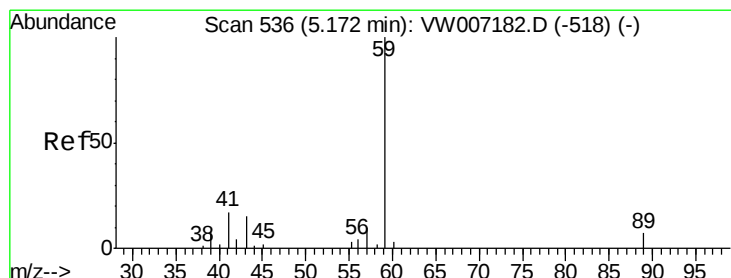
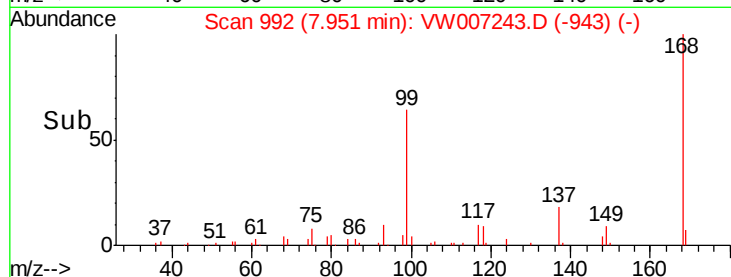
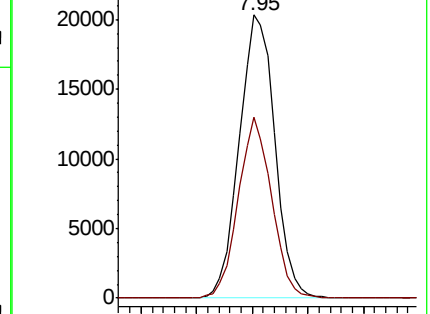
168 100

99 63.8 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW007243.D

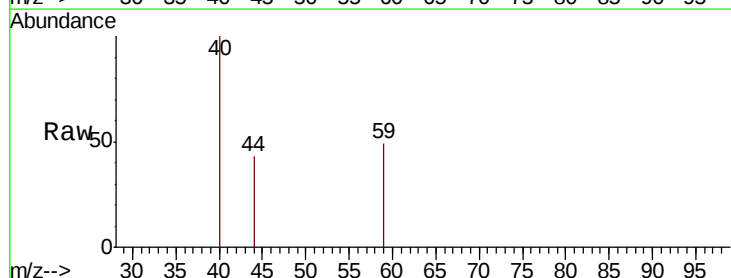
Acq: 05 Dec 2018 20:28

Tgt Ion: 59 Resp: 49

Ion Ratio Lower Upper

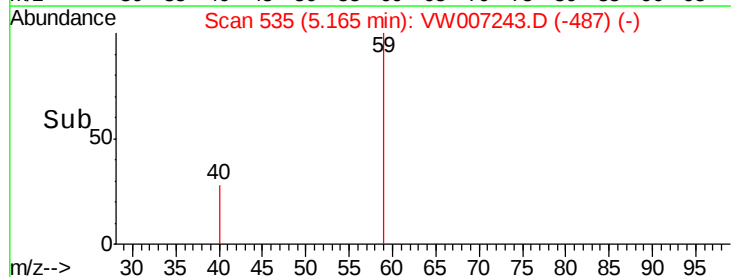
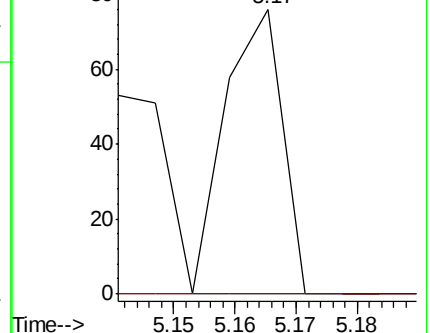
59 100

57 0.0 7.1 10.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 3.567 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007243.D

Acq: 05 Dec 2018 20:28

Instrument :

MSVOA_W

ClientSampleId :

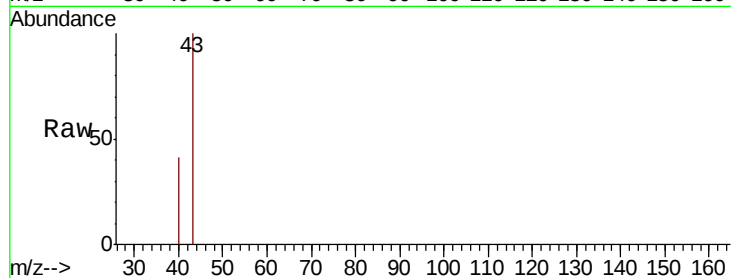
HLSP-SB-4A-(1)RE

Tot Ion: 43 Resp: 355

Ion Ratio Lower Upper

43 100

58 0.0 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

150

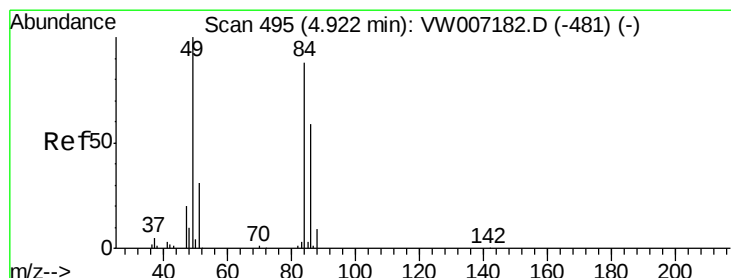
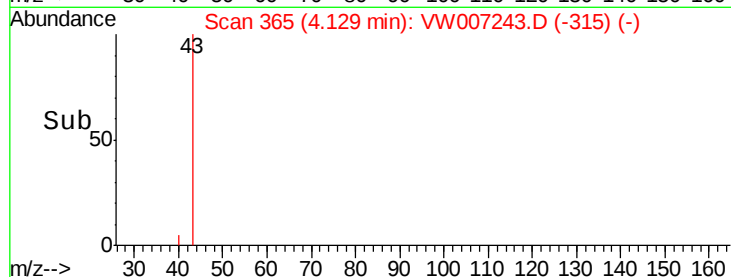
100

50

0

4.10 4.15

Time-->



#20

Methylene Chloride

Concen: 4.942 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW007243.D

Acq: 05 Dec 2018 20:28

Tgt Ion: 84 Resp: 4832

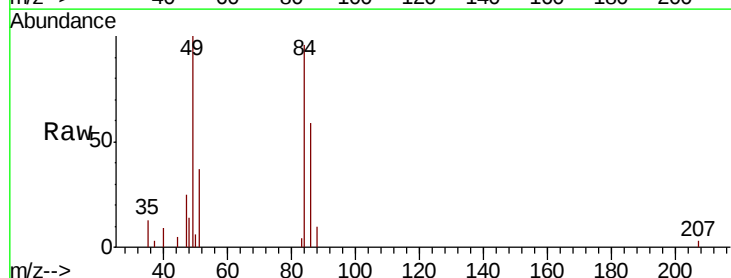
Ion Ratio Lower Upper

84 100

49 104.7 90.6 135.8

51 38.4 27.6 41.4

86 61.6 53.7 80.5



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

2500

2000

1500

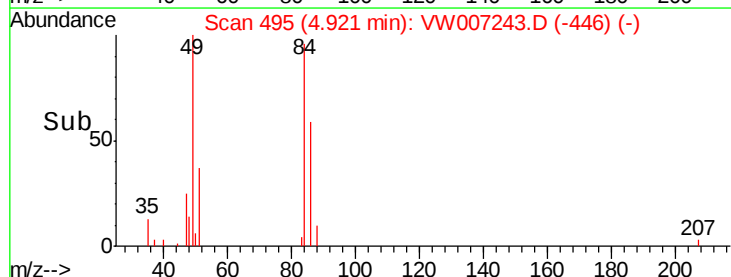
1000

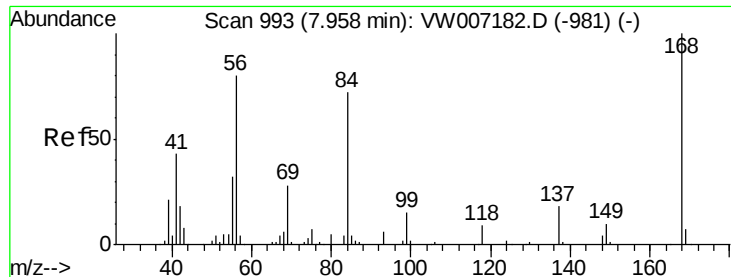
500

0

4.80 4.85 4.90 4.95 5.00

Time-->

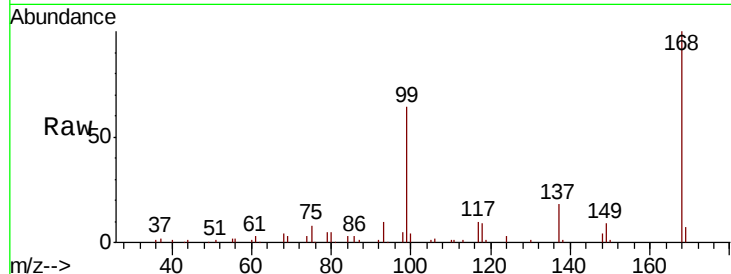




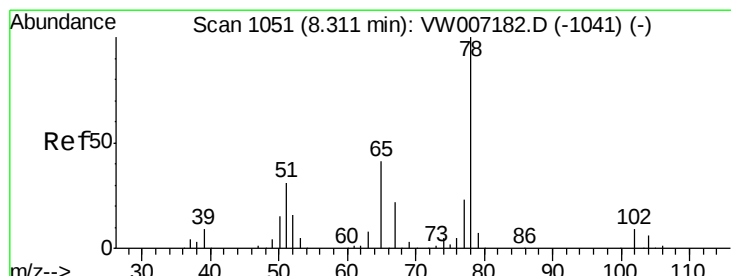
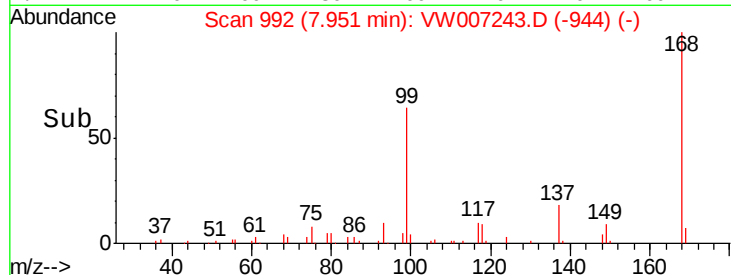
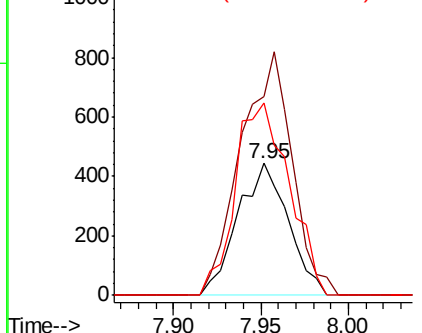
#31
Cyclohexane
Concen: 1.067 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW007243.D
Acq: 05 Dec 2018 20:28

Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-4A-(1)RE

Tot Ion: 56 Resp: 890
Ion Ratio Lower Upper
56 100
69 150.2 28.2 42.2#
84 145.5 72.1 108.1#

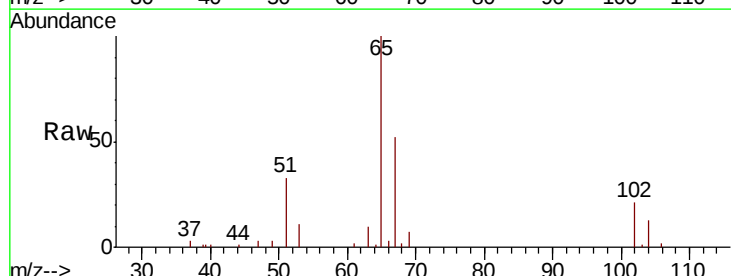


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

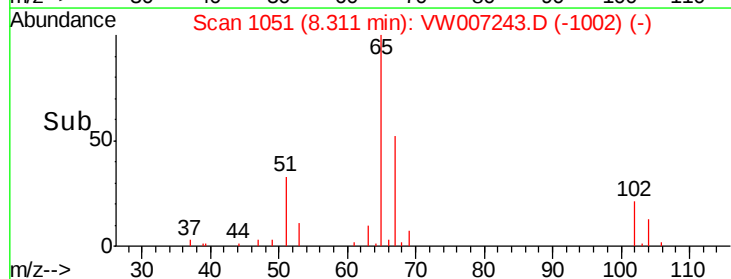
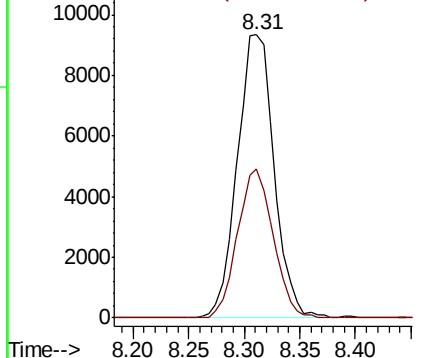


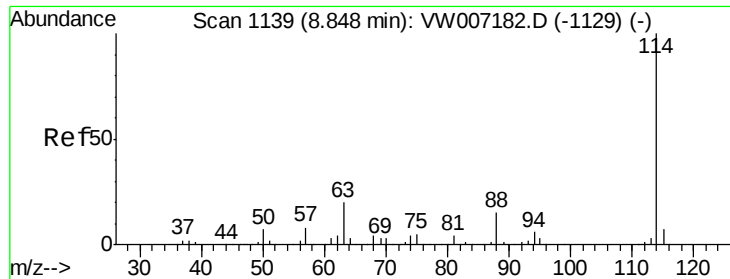
#33
1,2-Dichloroethane-d4
Concen: 51.031 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW007243.D
Acq: 05 Dec 2018 20:28

Tgt Ion: 65 Resp: 21451
Ion Ratio Lower Upper
65 100
67 50.7 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

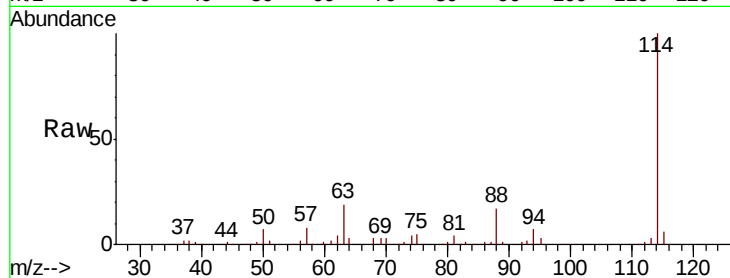




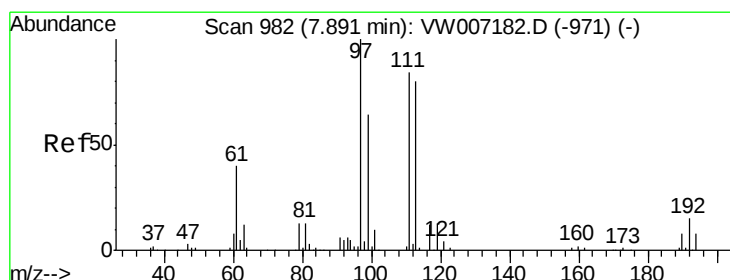
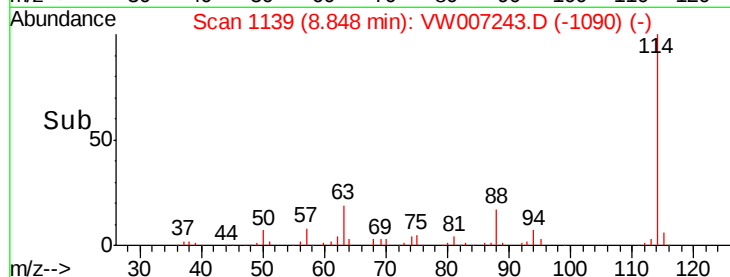
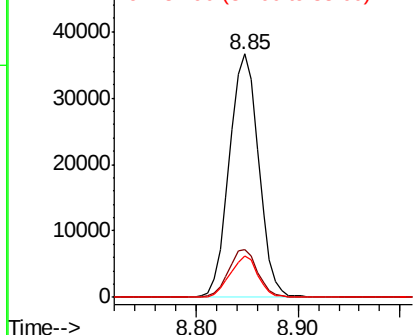
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007243.D
 Acq: 05 Dec 2018 20:28

Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-4A-(1)RE

Tot Ion:114 Resp: 72772
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.2
 88 17.2 0.0 30.0

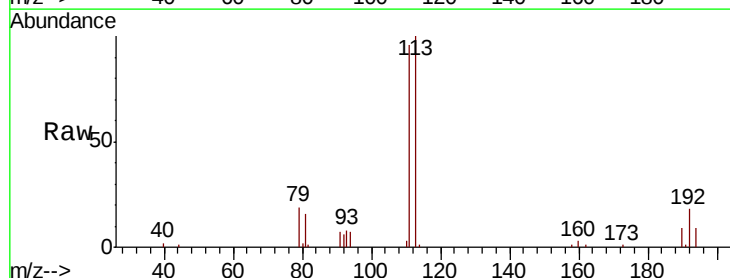


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

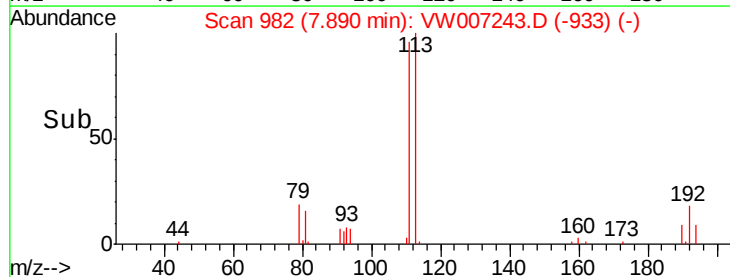
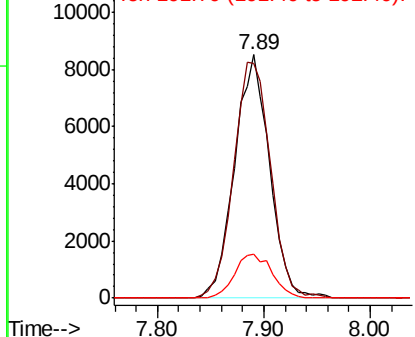


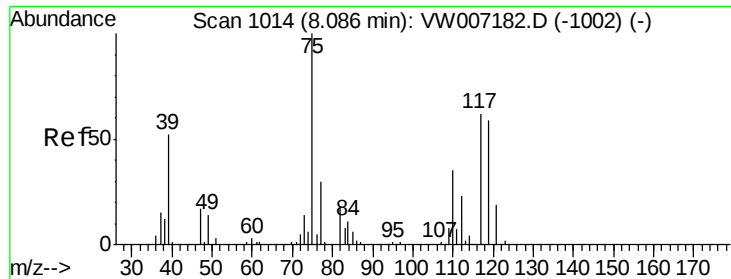
#35
 Dibromofluoromethane
 Concen: 47.059 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW007243.D
 Acq: 05 Dec 2018 20:28

Tgt Ion:113 Resp: 19609
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.2 123.4
 192 19.3 14.4 21.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

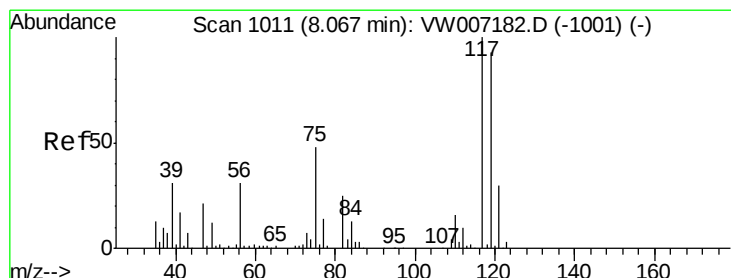
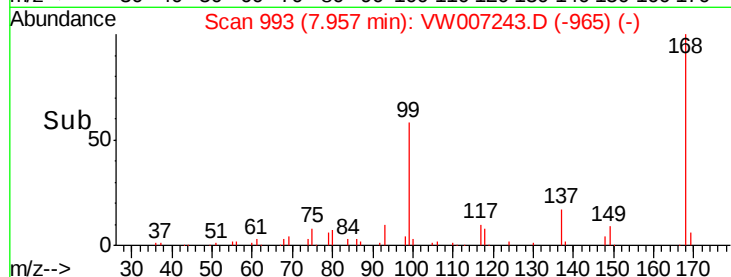
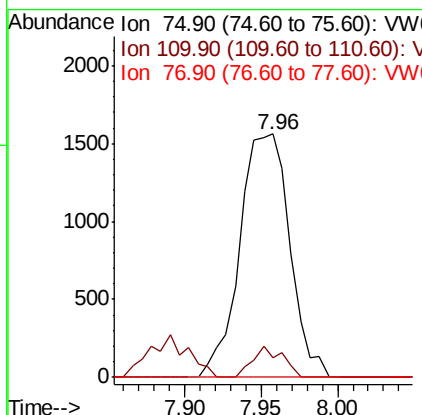
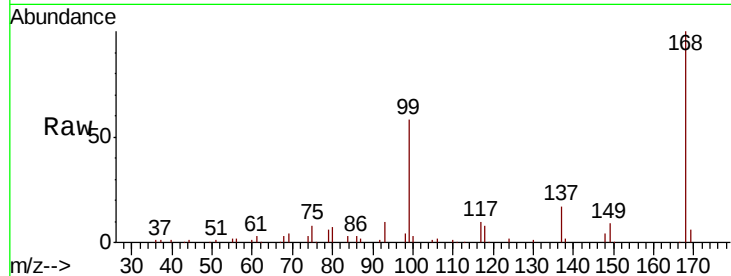




#36
 1,1-Dichloropropene
 Concen: 5.019 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW007243.D
 Acq: 05 Dec 2018 20:28

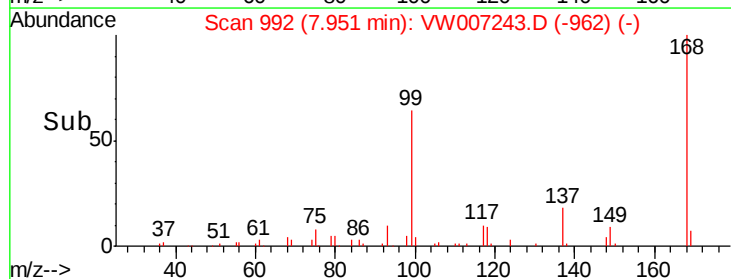
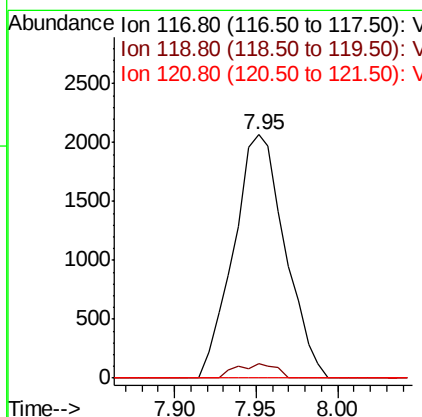
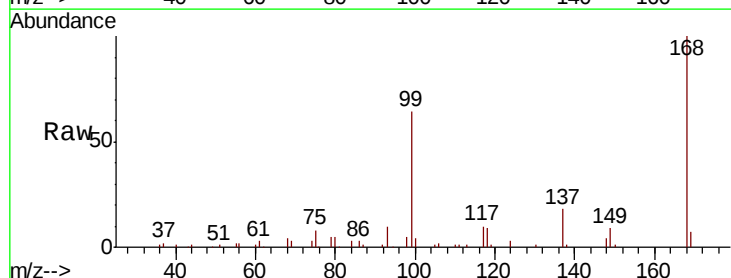
Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-4A-(1)RE

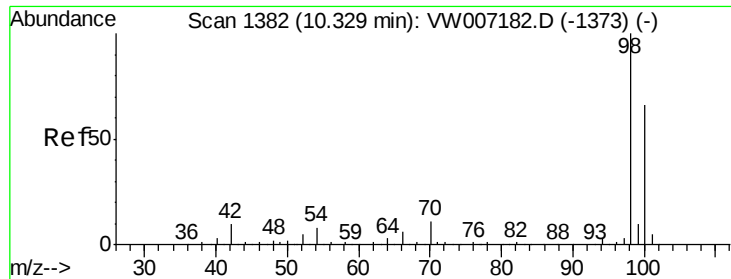
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.7	18.3	54.9#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.253 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW007243.D
 Acq: 05 Dec 2018 20:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	74.1	111.1#
121	0.0	23.9	35.9#





#50

Toluene-d8

Concen: 35.820 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW007243.D

Acq: 05 Dec 2018 20:28

Instrument :

MSVOA_W

ClientSampleId :

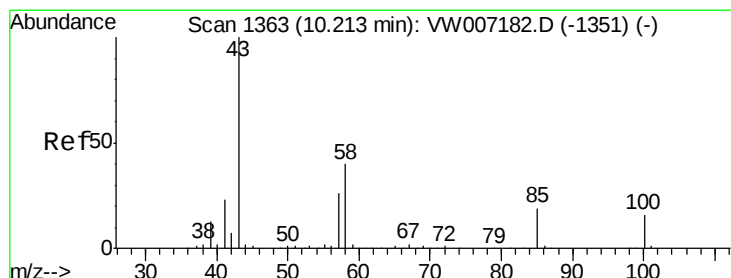
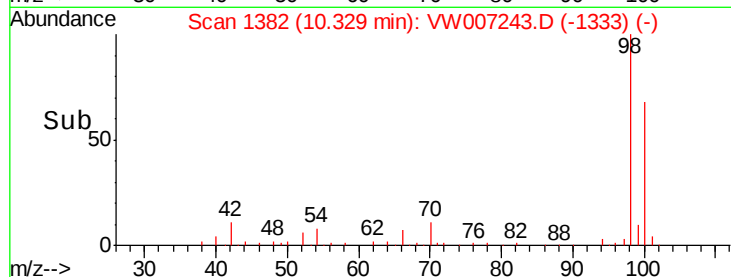
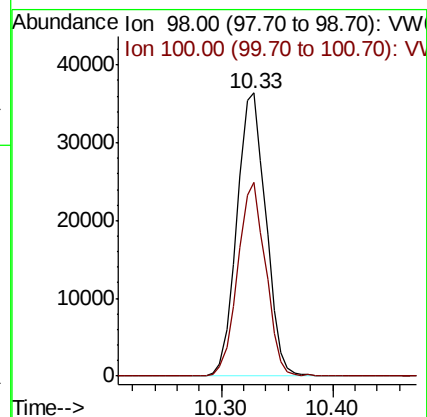
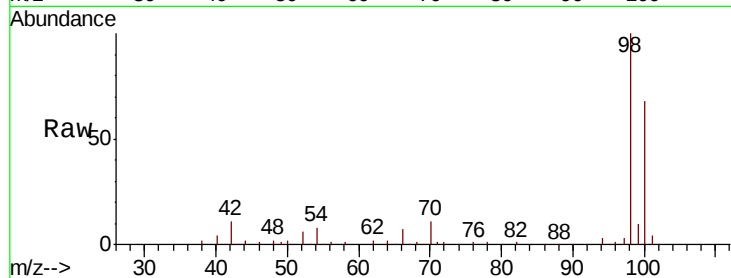
HLSP-SB-4A-(1)RE

Tot Ion: 98 Resp: 65749

Ion Ratio Lower Upper

98 100

100 65.8 52.7 79.1



#51

4-Methyl-2-Pentanone

Concen: 1.024 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.10 min

Lab File: VW007243.D

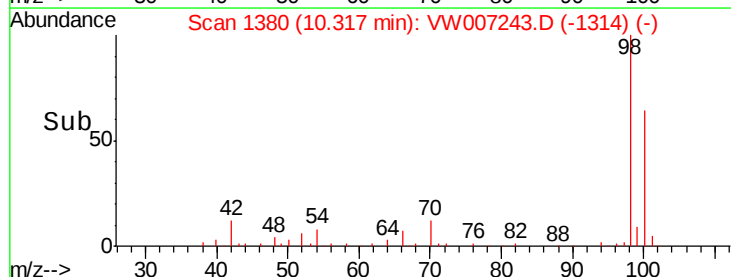
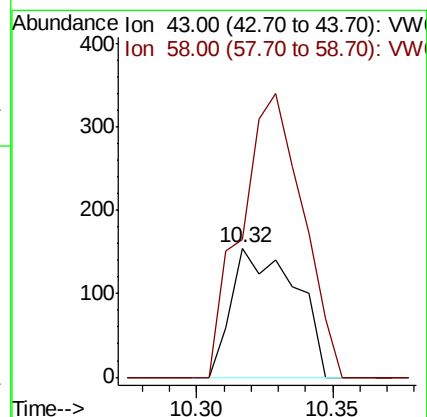
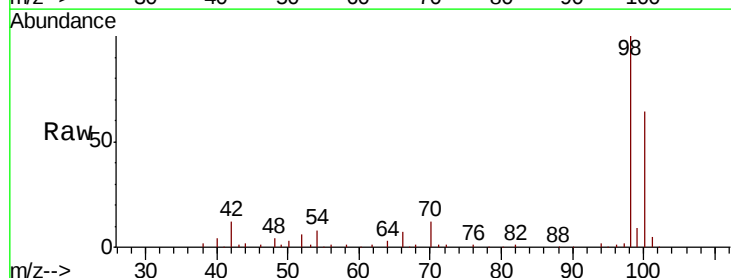
Acq: 05 Dec 2018 20:28

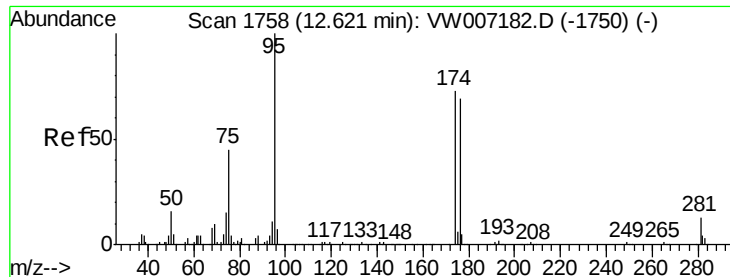
Tgt Ion: 43 Resp: 251

Ion Ratio Lower Upper

43 100

58 213.1 32.3 48.5#

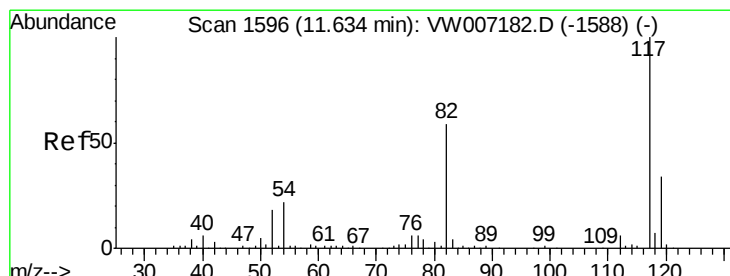
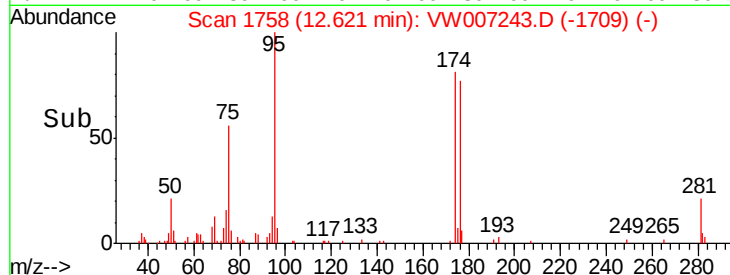
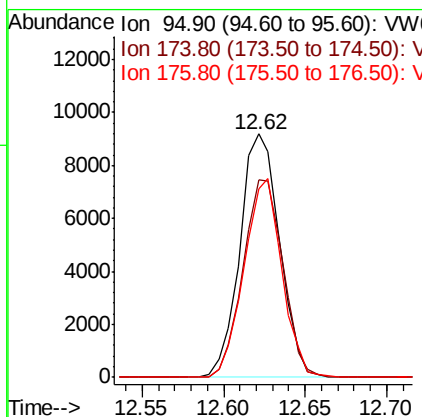
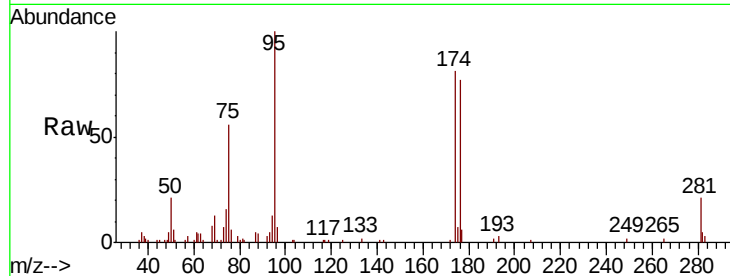




#62
4-Bromofluorobenzene
Concen: 22.523 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007243.D
Acq: 05 Dec 2018 20:28

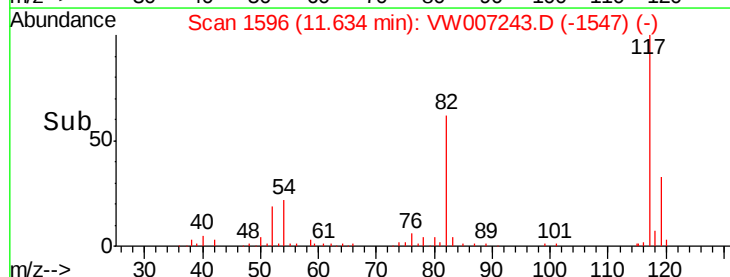
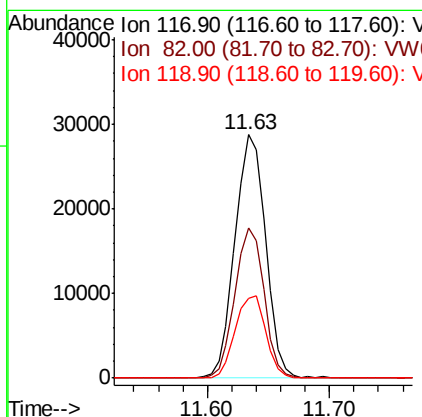
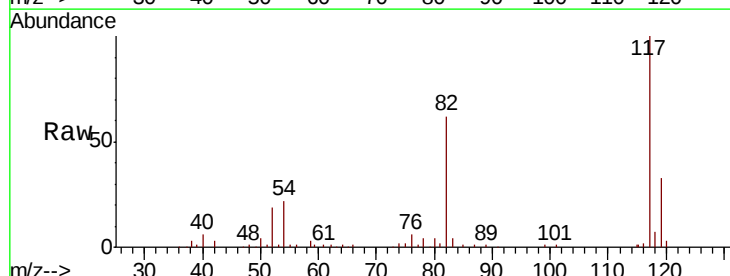
Instrument :
MSVOA_W
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HLSP-SB-4A-(1)RE

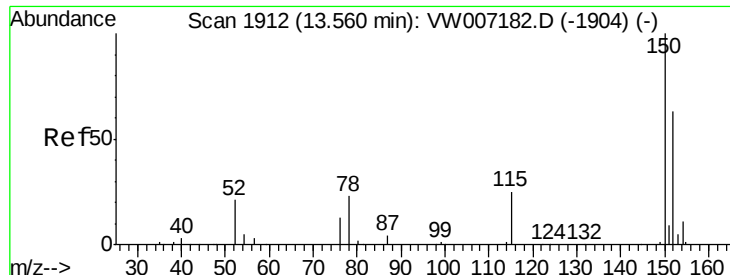
Tot Ion: 95 Resp: 15604
Ion Ratio Lower Upper
95 100
174 81.4 0.0 148.0
176 77.6 0.0 139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007243.D
Acq: 05 Dec 2018 20:28

Tgt Ion: 117 Resp: 49990
Ion Ratio Lower Upper
117 100
82 61.9 47.4 71.2
119 32.6 26.8 40.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007243.D

Acq: 05 Dec 2018 20:28

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-4A-(1)RE

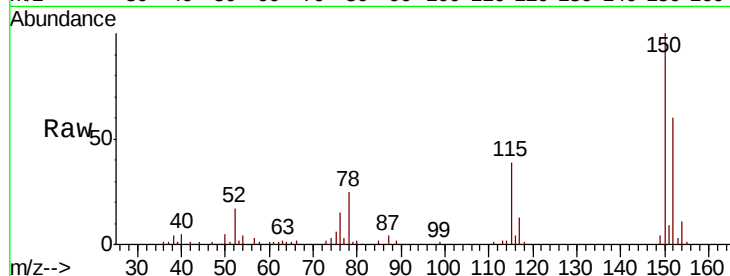
Tot Ion:152 Resp: 13407

Ion Ratio Lower Upper

152 100

115 61.8 31.3 93.8

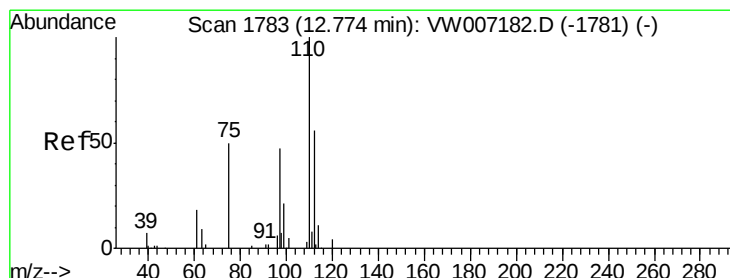
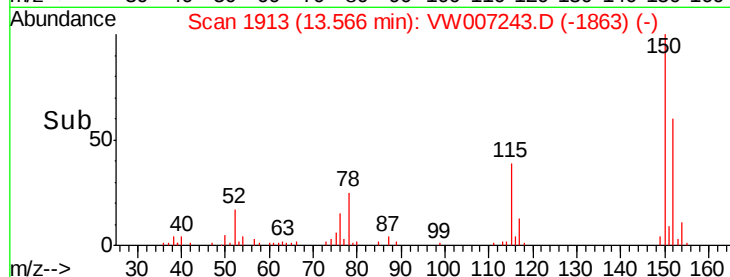
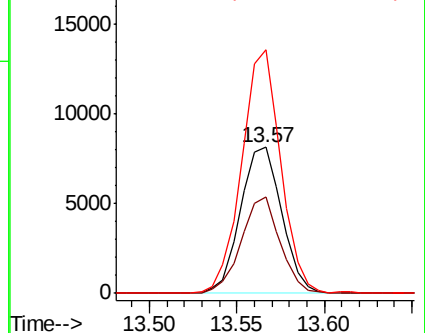
150 157.5 0.0 358.0



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: 78.585 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007243.D

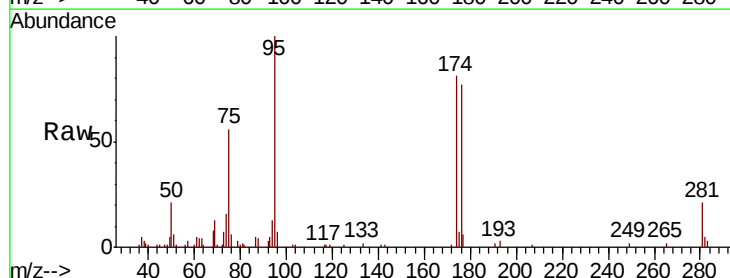
Acq: 05 Dec 2018 20:28

Tgt Ion: 75 Resp: 8158

Ion Ratio Lower Upper

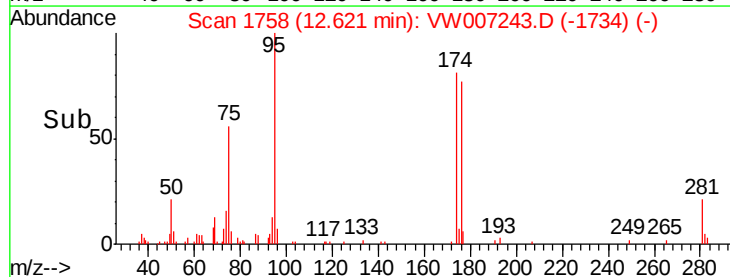
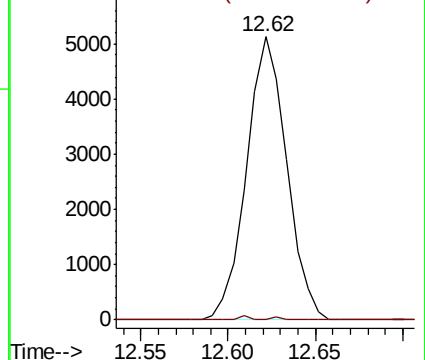
75 100

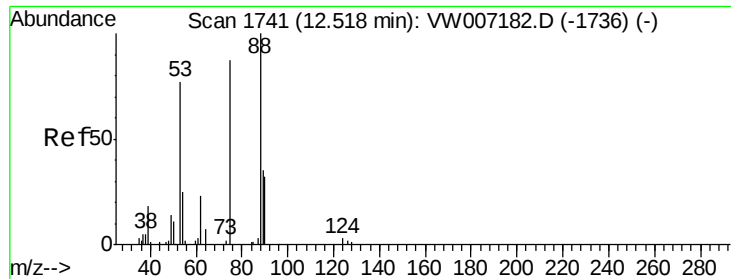
77 0.3 0.0 0.0#



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: 169.378 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007243.D

Acq: 05 Dec 2018 20:28

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-4A-(1)RE

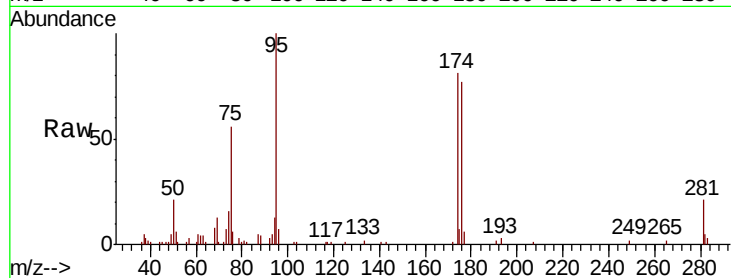
Tot Ion: 75 Resp: 8158

Ion Ratio Lower Upper

75 100

53 0.0 72.8 109.2#

89 0.0 36.4 54.6#



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

