

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120518\
 Data File : VW007242.D
 Acq On : 05 Dec 2018 20:02
 Operator : SY/AP
 Sample : J6204-20
 Misc : 5.23G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-5A-(1)

Quant Time: Dec 06 06:22:52 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	7.96	168	117925	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	192568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	166106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	73264	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	48263	43.96	ug/l	0.00
Spiked Amount			Recovery	=	87.92%	
35) Dibromofluoromethane	7.89	113	44722	40.56	ug/l	0.00
Spiked Amount			Recovery	=	81.12%	
50) Toluene-d8	10.33	98	177868	36.62	ug/l	0.00
Spiked Amount			Recovery	=	73.24%	
62) 4-Bromofluorobenzene	12.62	95	64234	35.04	ug/l	0.00
Spiked Amount			Recovery	=	70.08%	

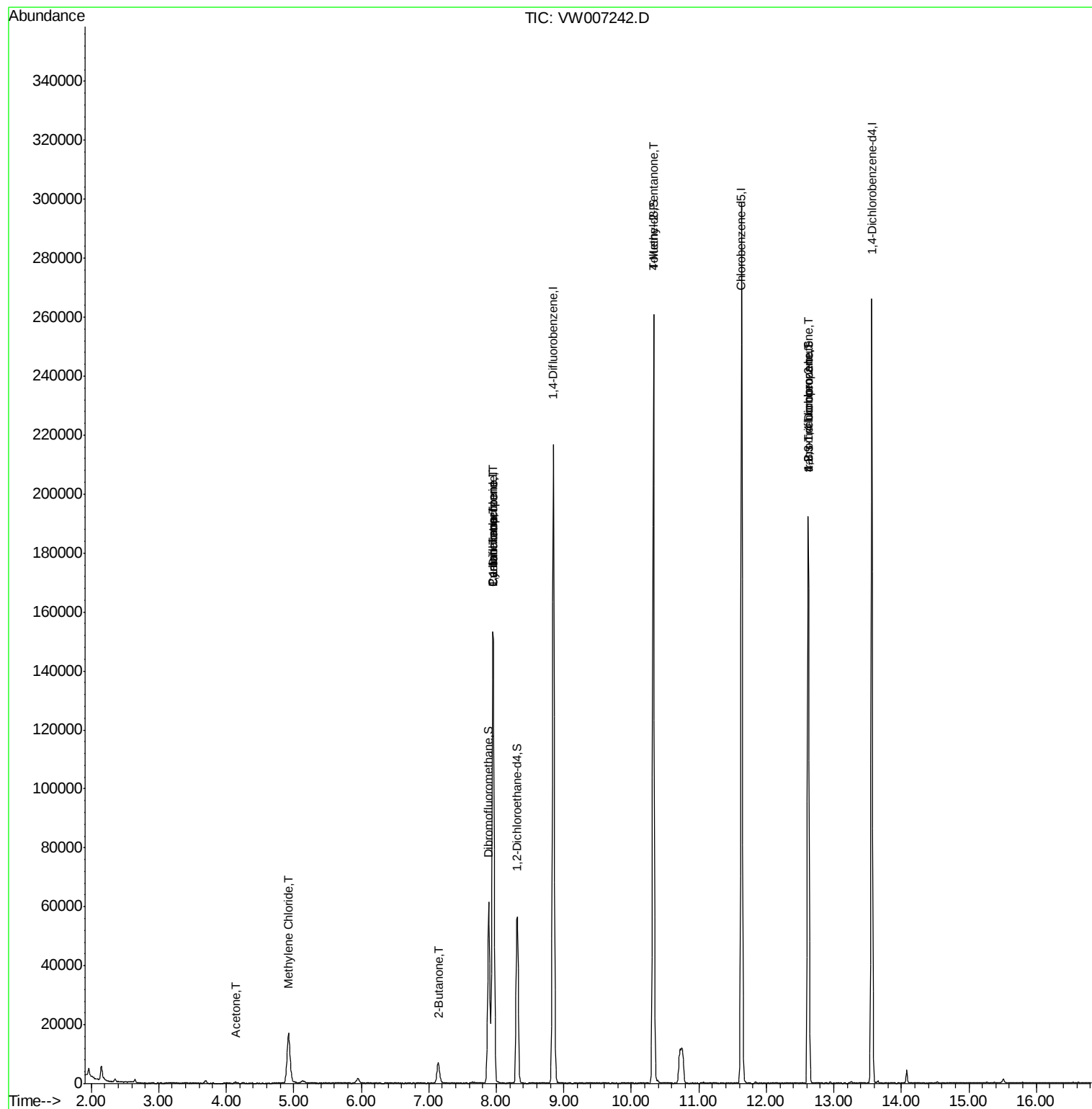
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	851	Below Cal	#	75
16) Acetone	4.14	43	793	3.051	ug/l	90
20) Methylene Chloride	4.93	84	13839	5.981	ug/l	95
25) 2-Butanone	7.14	43	311	1.032	ug/l #	46
31) Cyclohexane	7.95	56	2281	1.047	ug/l #	15
36) 1,1-Dichloropropene	7.95	75	8743	4.666	ug/l #	50
38) Carbon Tetrachloride	7.95	117	12113	6.334	ug/l #	16
51) 4-Methyl-2-Pentanone	10.32	43	728	1.122	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	31756	55.978	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	31756	120.653	ug/l #	13

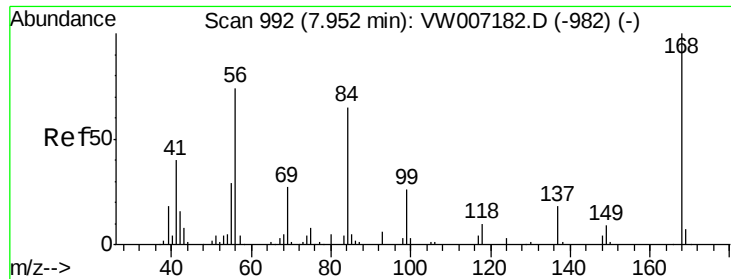
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120518\
Data File : VW007242.D
Acq On : 05 Dec 2018 20:02
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Misc : 5.23G/5ML/MSVOA W/SOIL
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HLSP-SB-5A-(1)

Quant Time: Dec 06 06:22:52 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 05 01:35:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW007242.D

Acq: 05 Dec 2018 20:02

Instrument :

MSVOA_W

ClientSampleId :

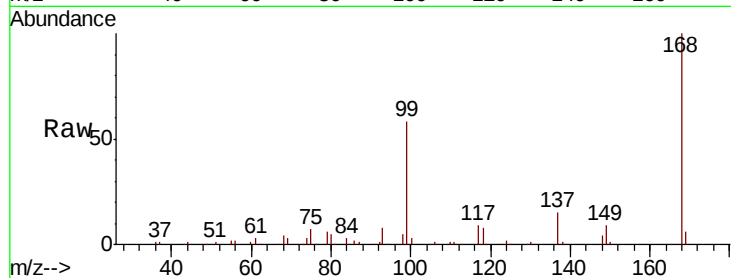
HLSP-SB-5A-(1)

Tot Ion:168 Resp: 117925

Ion Ratio Lower Upper

168 100

99 58.1 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

60000

50000

40000

30000

20000

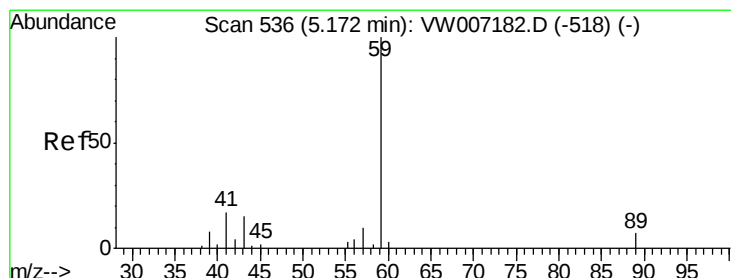
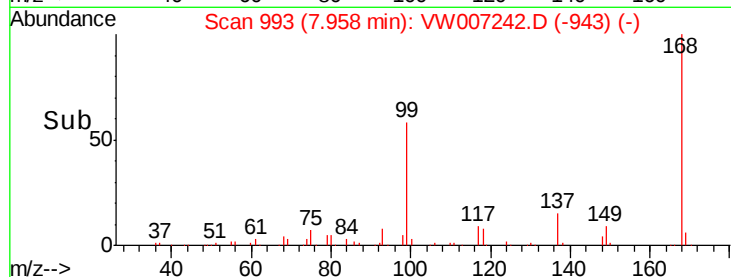
10000

0

Time-->

7.90

8.00



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.15 min Scan# 532

Delta R.T. -0.02 min

Lab File: VW007242.D

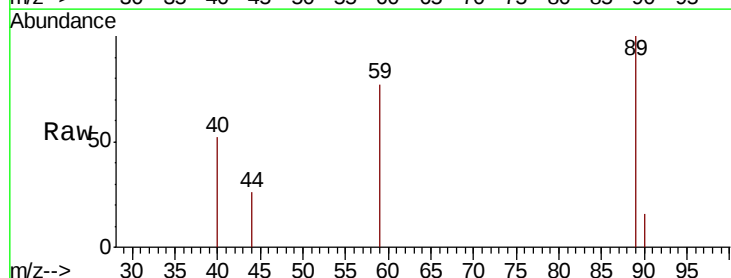
Acq: 05 Dec 2018 20:02

Tgt Ion: 59 Resp: 851

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

300

250

200

150

100

50

0

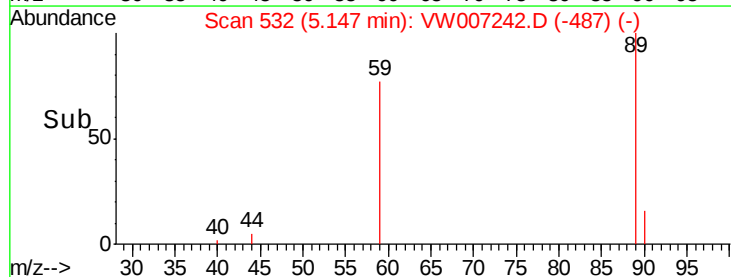
Time-->

5.05

5.10

5.15

5.20





#16

Acetone

Concen: 3.051 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW007242.D

Acq: 05 Dec 2018 20:02

Instrument :

MSVOA_W

ClientSampleId :

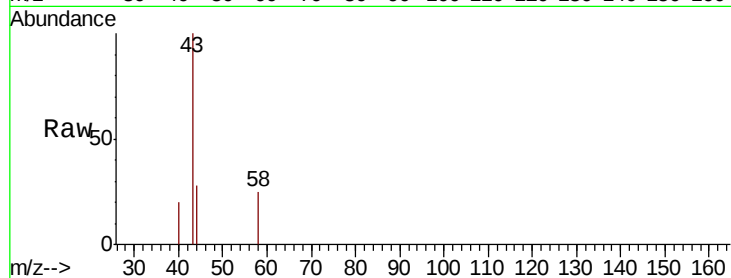
HLSP-SB-5A-(1)

Tot Ion: 43 Resp: 793

Ion Ratio Lower Upper

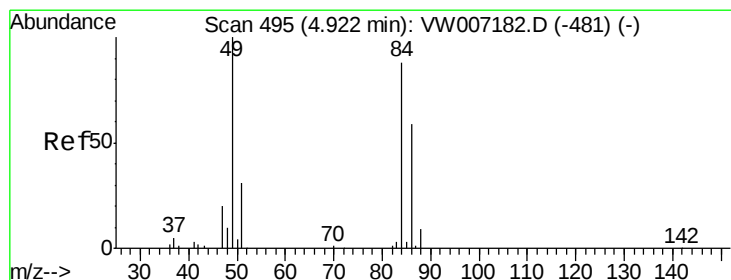
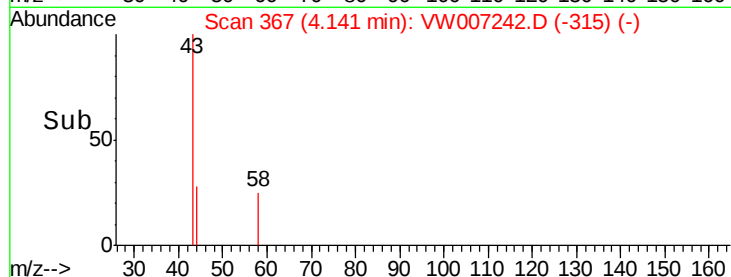
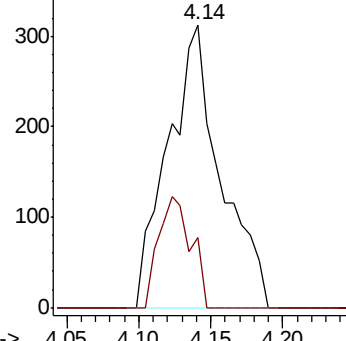
43 100

58 24.6 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 5.981 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW007242.D

Acq: 05 Dec 2018 20:02

Tgt Ion: 84 Resp: 13839

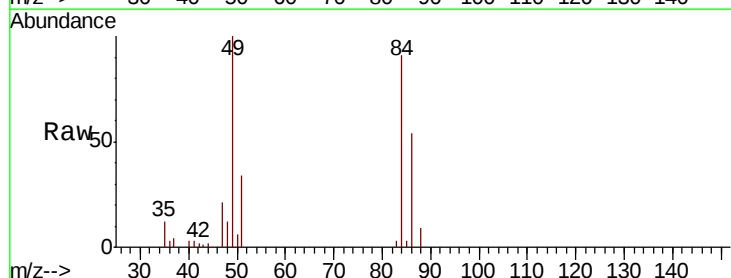
Ion Ratio Lower Upper

84 100

49 109.8 90.6 135.8

51 37.5 27.6 41.4

86 59.5 53.7 80.5

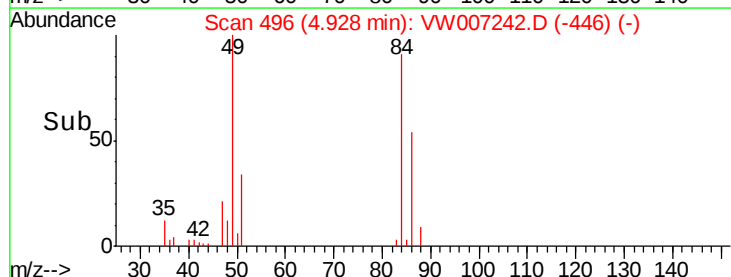
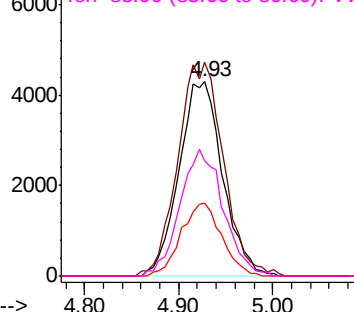


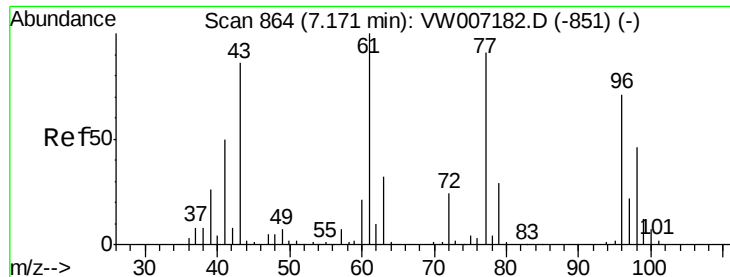
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#25

2-Butanone

Concen: 1.032 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW007242.D

Acq: 05 Dec 2018 20:02

Instrument :

MSVOA_W

ClientSampleId :

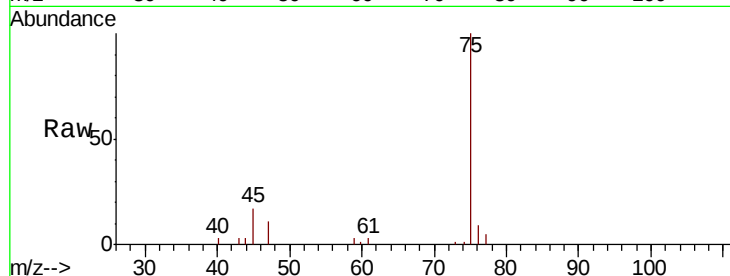
HLSP-SB-5A-(1)

Tot Ion: 43 Resp: 311

Ion Ratio Lower Upper

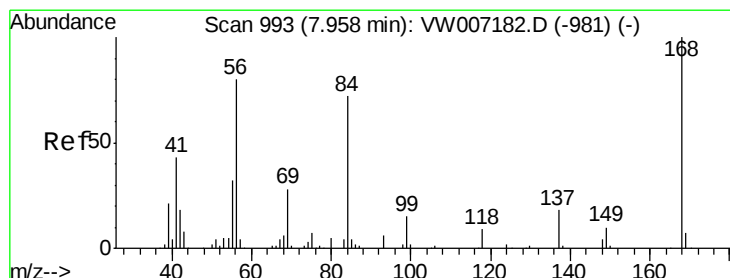
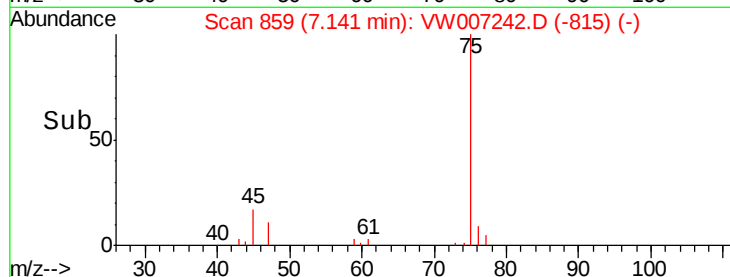
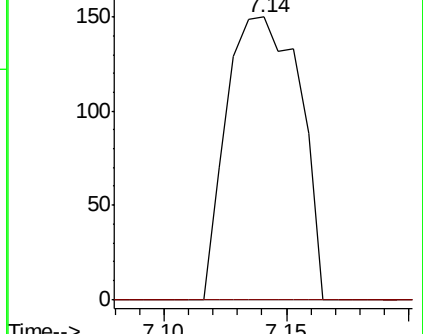
43 100

72 0.0 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.047 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007242.D

Acq: 05 Dec 2018 20:02

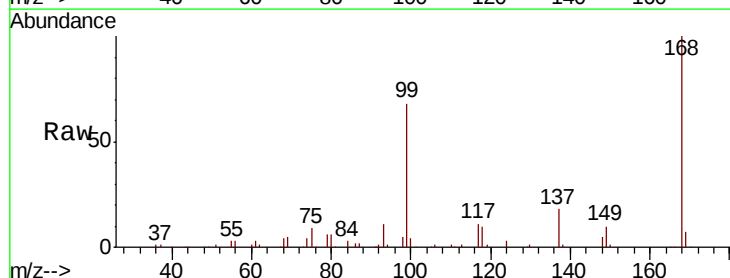
Tgt Ion: 56 Resp: 2281

Ion Ratio Lower Upper

56 100

69 182.8 28.2 42.2#

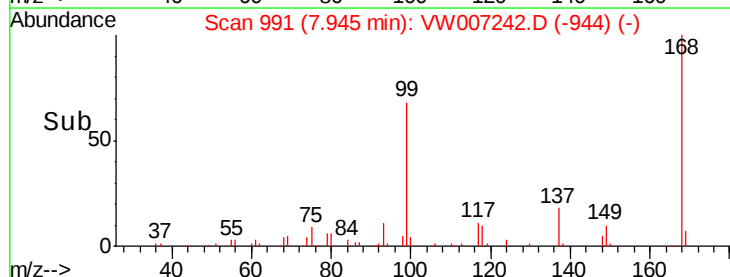
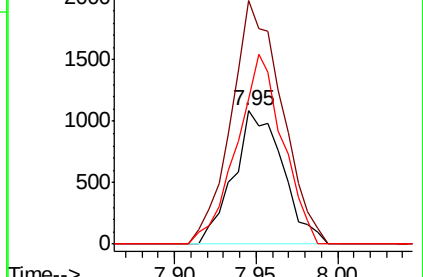
84 108.8 72.1 108.1#

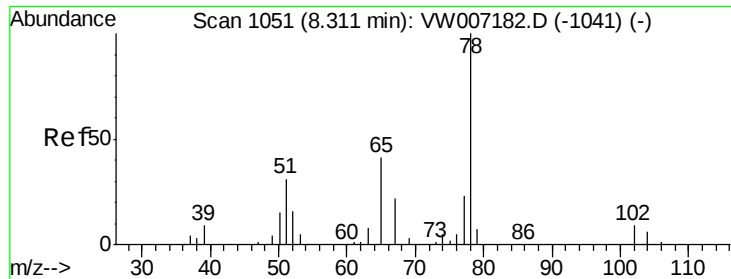


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

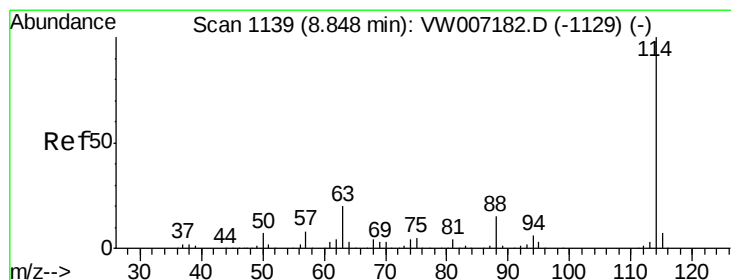
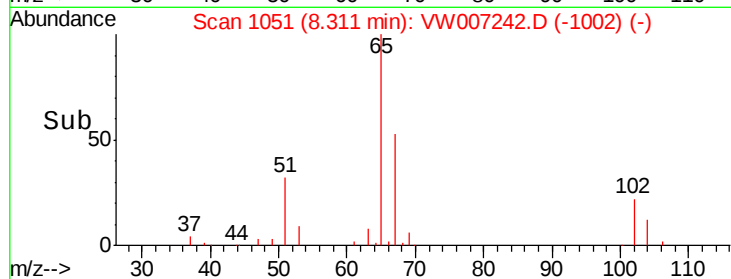
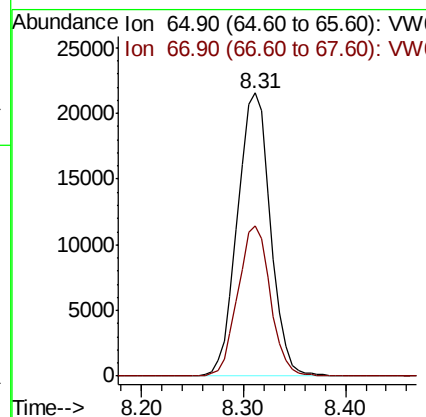
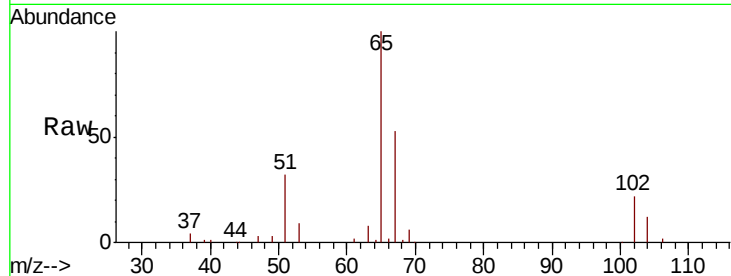




#33
 1,2-Dichloroethane-d4
 Concen: 43.958 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW007242.D
 Acq: 05 Dec 2018 20:02

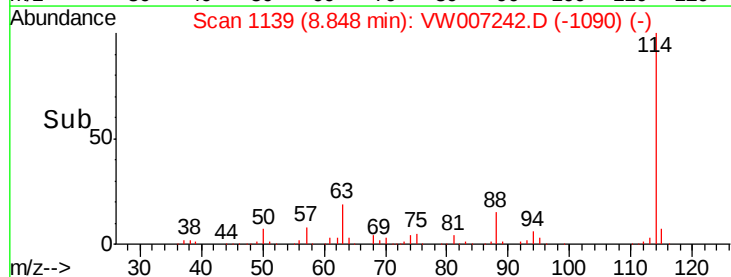
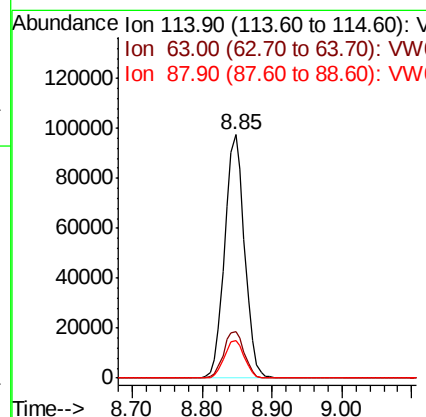
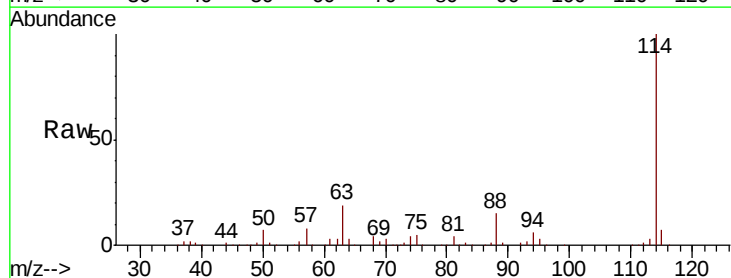
Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-5A-(1)

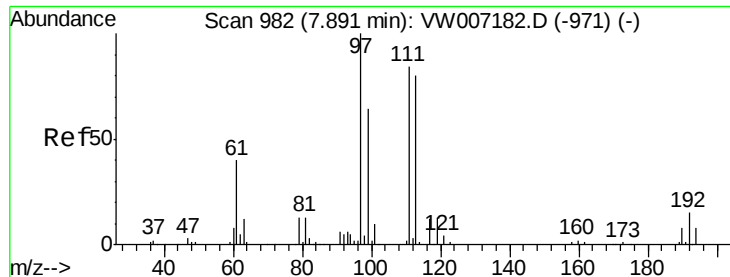
Tot Ion: 65 Resp: 48263
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007242.D
 Acq: 05 Dec 2018 20:02

Tgt Ion: 114 Resp: 192568
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 40.2
 88 15.3 0.0 30.0





#35

Dibromofluoromethane

Concen: 40.559 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW007242.D

Acq: 05 Dec 2018 20:02

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-5A-(1)

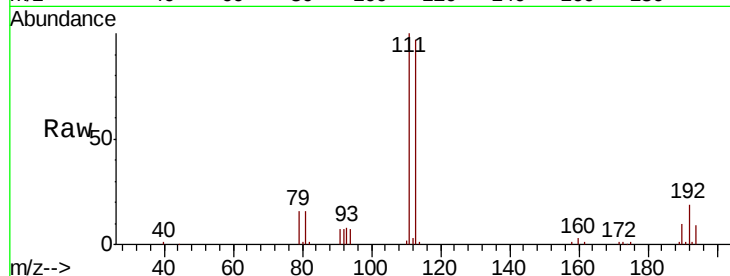
Tot Ion:113 Resp: 44722

Ion Ratio Lower Upper

113 100

111 103.9 82.2 123.4

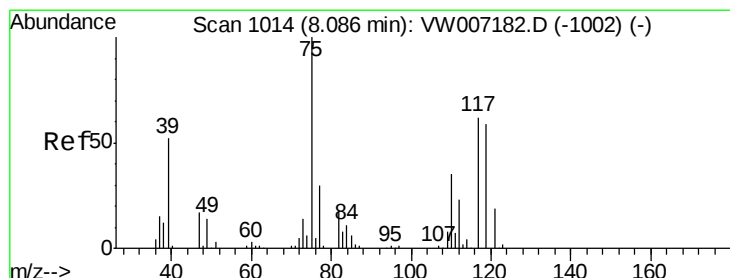
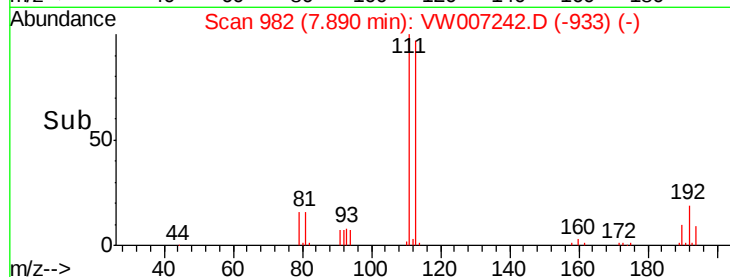
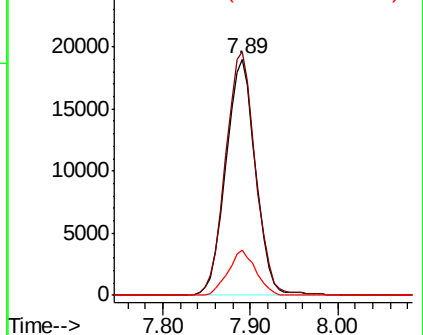
192 17.9 14.4 21.6



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: 4.666 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW007242.D

Acq: 05 Dec 2018 20:02

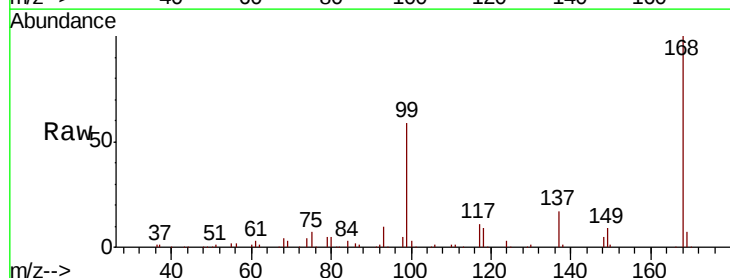
Tgt Ion: 75 Resp: 8743

Ion Ratio Lower Upper

75 100

110 10.1 18.3 54.9#

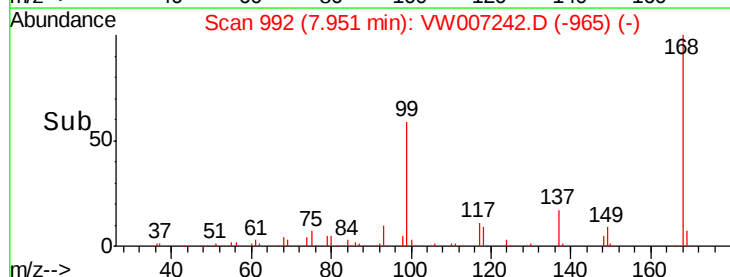
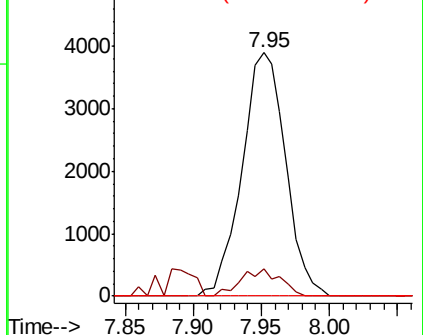
77 0.0 24.9 37.3#

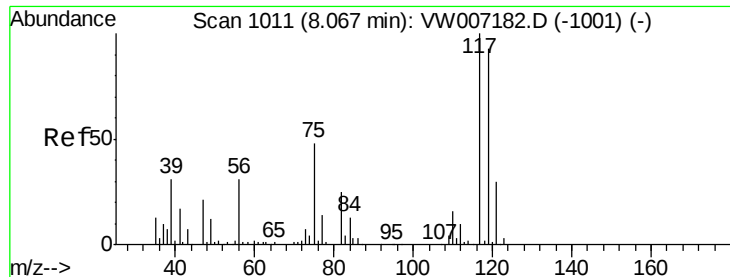


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.334 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007242.D

Acq: 05 Dec 2018 20:02

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-5A-(1)

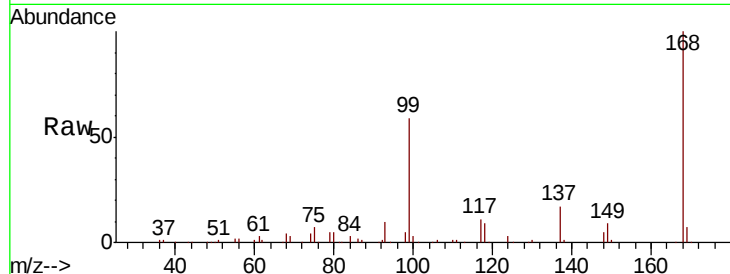
Tot Ion:117 Resp: 12113

Ion Ratio Lower Upper

117 100

119 3.4 74.1 111.1#

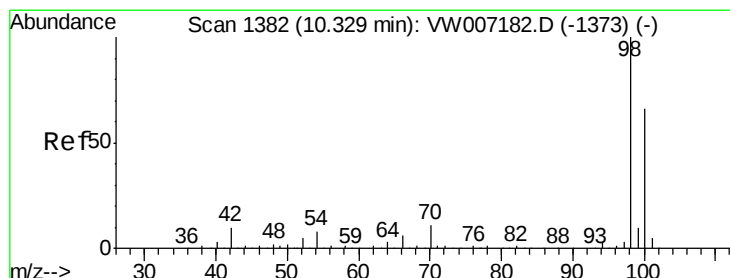
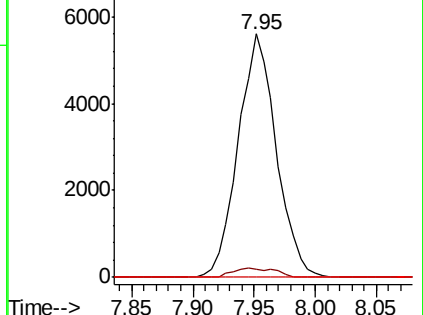
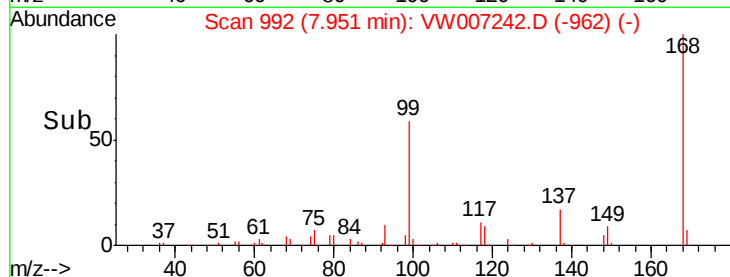
121 0.0 23.9 35.9#



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: 36.620 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW007242.D

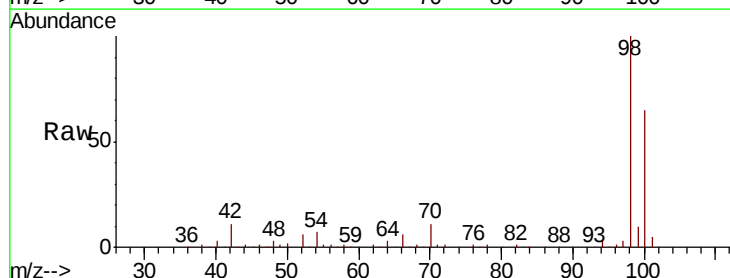
Acq: 05 Dec 2018 20:02

Tgt Ion: 98 Resp: 177868

Ion Ratio Lower Upper

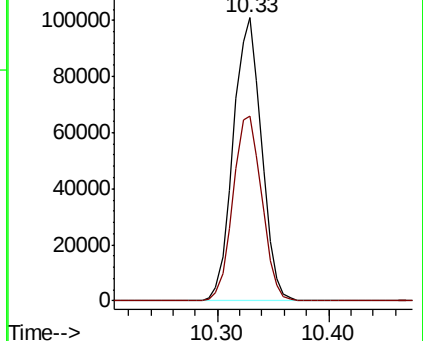
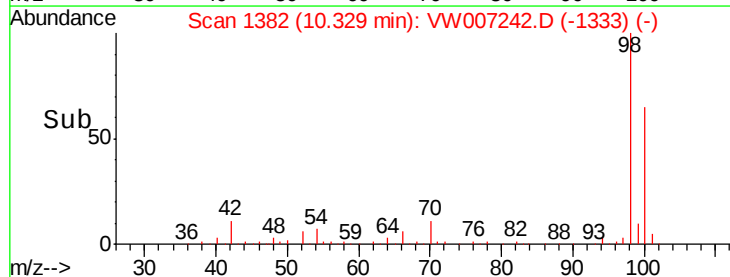
98 100

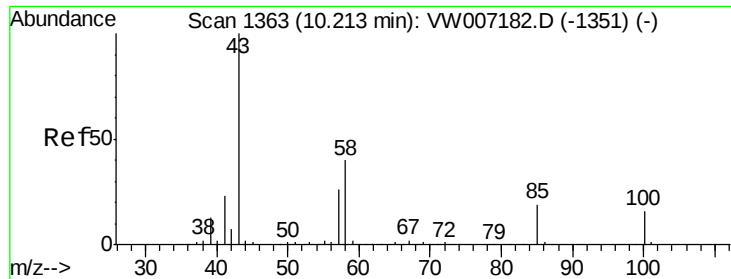
100 66.5 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.122 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW007242.D

Acq: 05 Dec 2018 20:02

Instrument :

MSVOA_W

ClientSampleId :

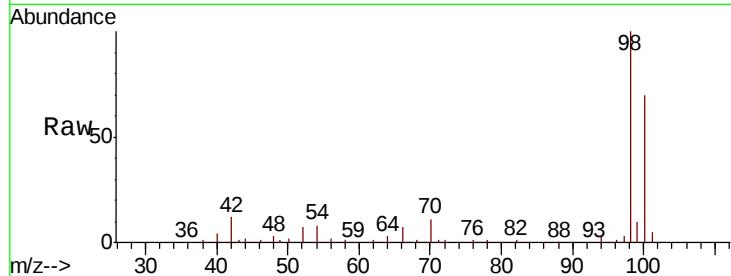
HLSP-SB-5A-(1)

Tot Ion: 43 Resp: 728

Ion Ratio Lower Upper

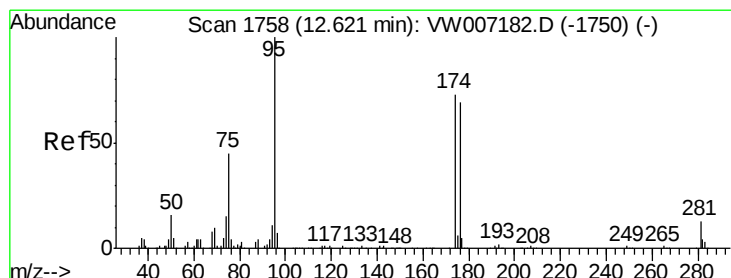
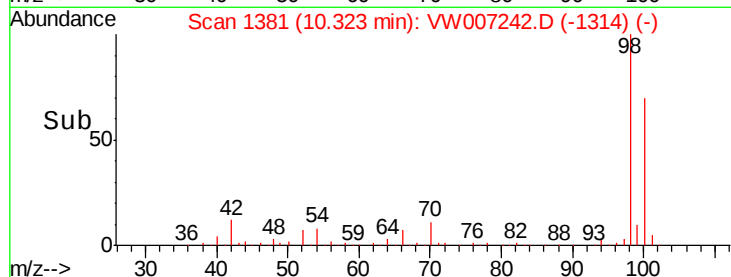
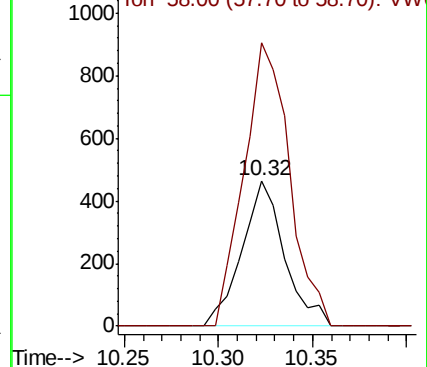
43 100

58 208.5 32.3 48.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 35.038 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007242.D

Acq: 05 Dec 2018 20:02

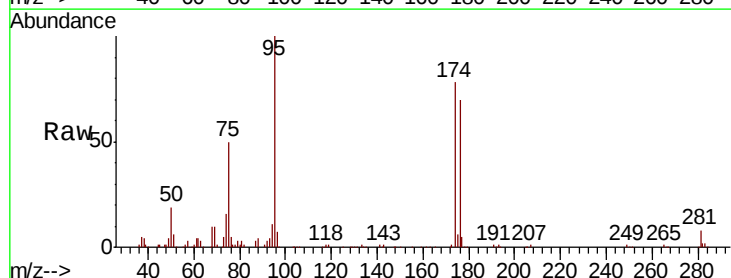
Tgt Ion: 95 Resp: 64234

Ion Ratio Lower Upper

95 100

174 77.5 0.0 148.0

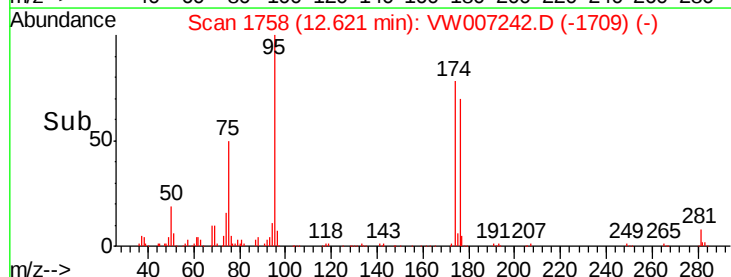
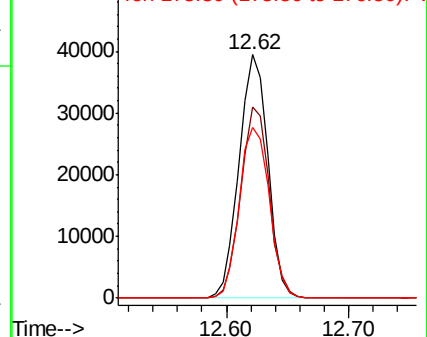
176 73.2 0.0 139.4

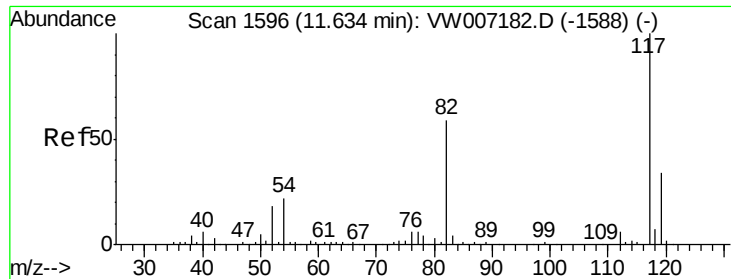


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

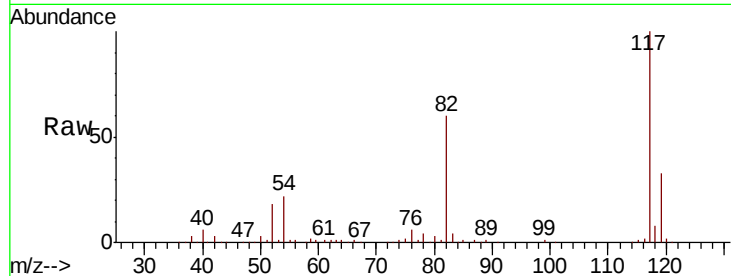




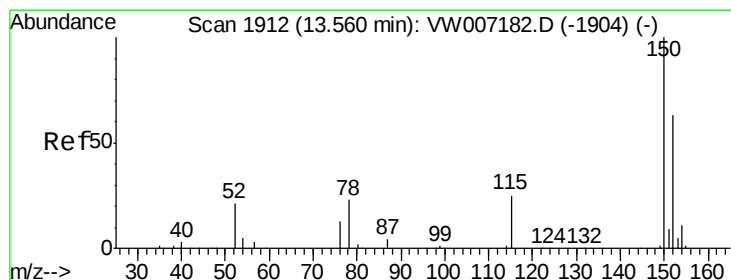
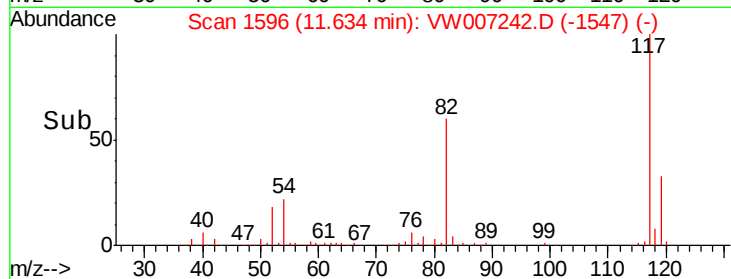
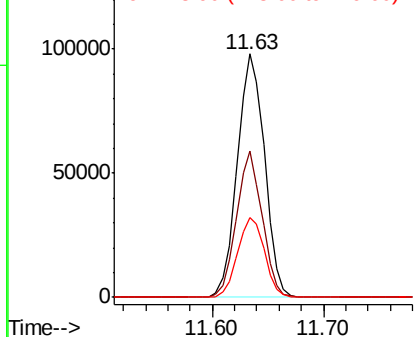
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007242.D
Acq: 05 Dec 2018 20:02

Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5A-(1)

Tot Ion:117 Resp: 166106
Ion Ratio Lower Upper
117 100
82 60.0 47.4 71.2
119 32.8 26.8 40.2

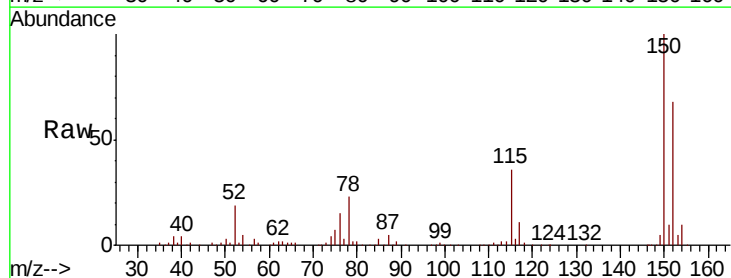


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

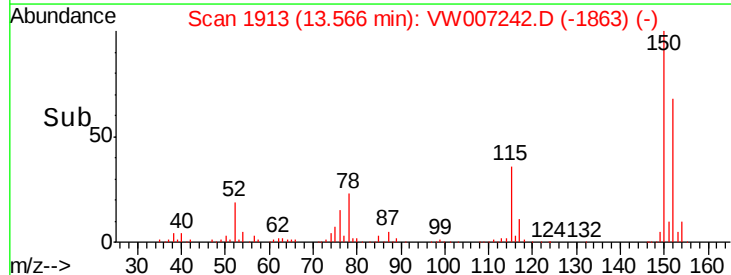
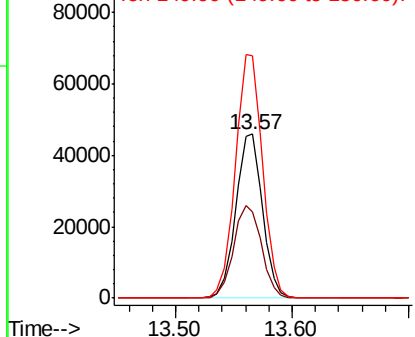


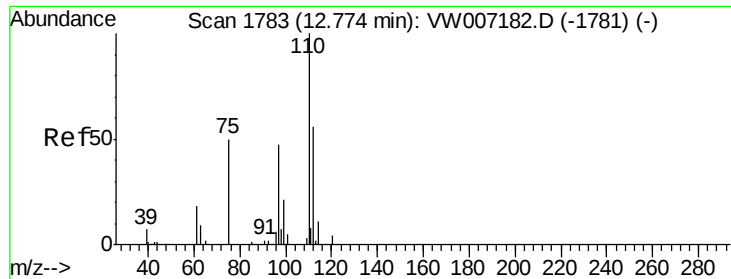
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW007242.D
Acq: 05 Dec 2018 20:02

Tgt Ion:152 Resp: 73264
Ion Ratio Lower Upper
152 100
115 59.2 31.3 93.8
150 151.1 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: 55.978 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007242.D

Acq: 05 Dec 2018 20:02

Instrument :

MSVOA_W

ClientSampleId :

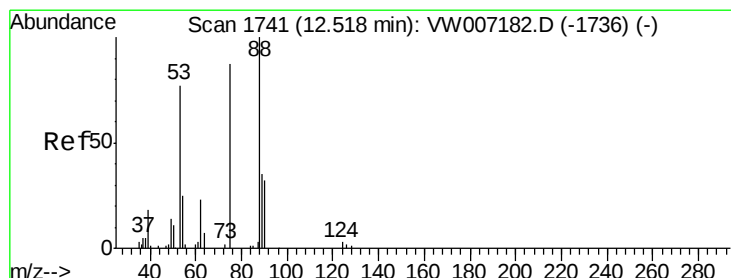
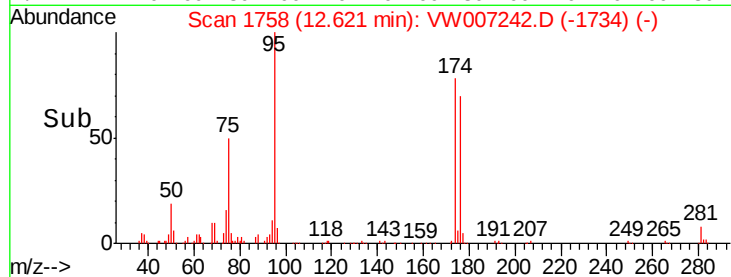
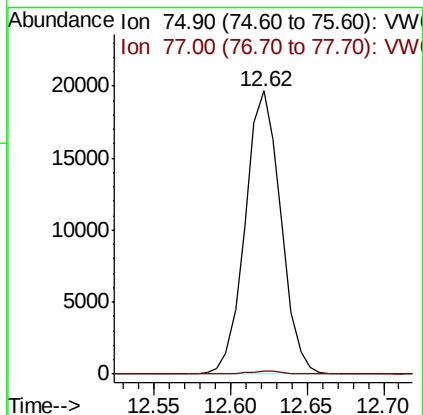
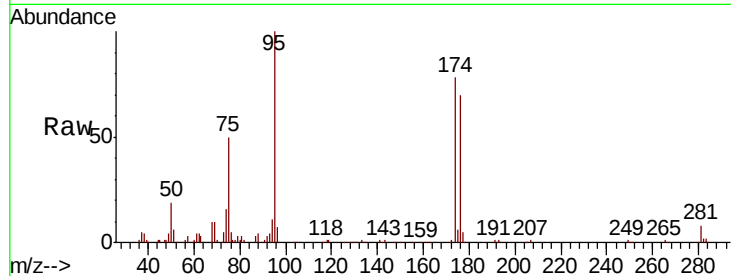
HLSP-SB-5A-(1)

Tot Ion: 75 Resp: 31756

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 120.653 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007242.D

Acq: 05 Dec 2018 20:02

Tgt Ion: 75 Resp: 31756

Ion Ratio Lower Upper

75 100

53 0.0 72.8 109.2#

89 0.0 36.4 54.6#

