

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV120418\
 Data File : VW007199.D
 Acq On : 04 Dec 2018 20:20
 Operator : SY/AP
 Sample : J6206-08
 Misc : 4.44G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-6A-(1)

Quant Time: Dec 05 05:08:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 04 14:18:19 2018
 Response via : Initial Calibration

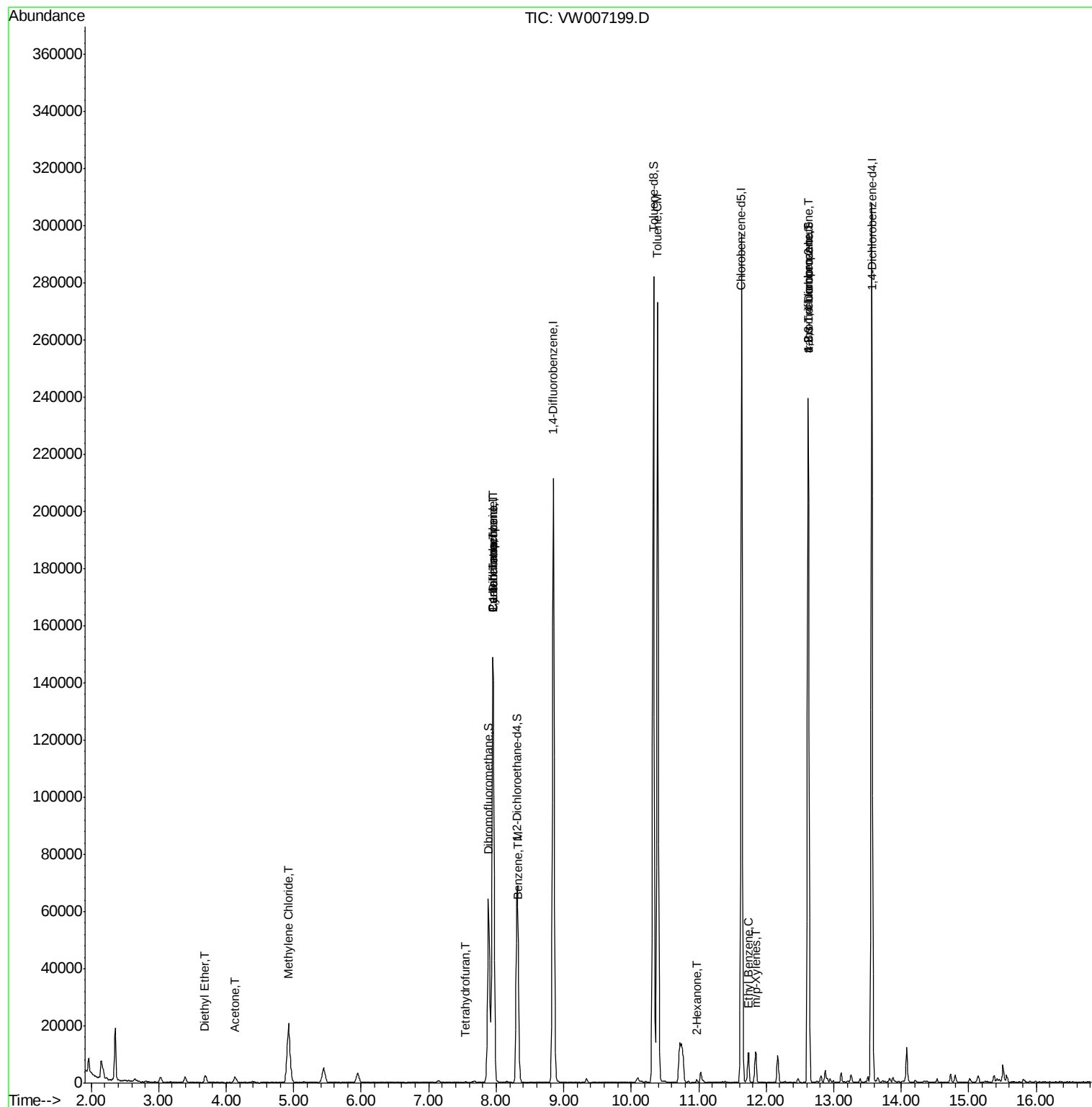
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	113114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	185138	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	166615	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	82686	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	50652	48.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.20%	
35) Dibromofluoromethane	7.88	113	48803	46.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.08%	
50) Toluene-d8	10.33	98	195835	41.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.88%	
62) 4-Bromofluorobenzene	12.62	95	76267	43.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.54%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.69	74	1445	2.710	ug/l	91
11) Tert butyl alcohol	5.17	59	179	Below Cal	#	75
16) Acetone	4.14	43	3616	14.504	ug/l	93
20) Methylene Chloride	4.92	84	15990	8.396	ug/l	95
29) Tetrahydrofuran	7.54	42	232	1.299	ug/l #	38
31) Cyclohexane	7.95	56	2756	1.319	ug/l #	31
36) 1,1-Dichloropropene	7.96	75	8563	4.753	ug/l #	49
38) Carbon Tetrachloride	7.95	117	11268	6.128	ug/l #	17
40) Benzene	8.33	78	12603	2.551	ug/l	97
52) Toluene	10.39	92	116996	34.048	ug/l	97
59) 2-Hexanone	10.98	43	612	1.354	ug/l	73
67) Ethyl Benzene	11.73	91	7675	1.132	ug/l	98
68) m/p-Xylenes	11.84	106	3380	1.270	ug/l	86
76) 1,2,3-Trichloropropane	12.62	75	37765	30.392	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	37765	127.134	ug/l #	13

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

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MSVOA_W
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HLSP-SB-6A-(1)

Quant Time: Dec 05 05:08:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 04 14:18:19 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007199.D

Acq: 04 Dec 2018 20:20

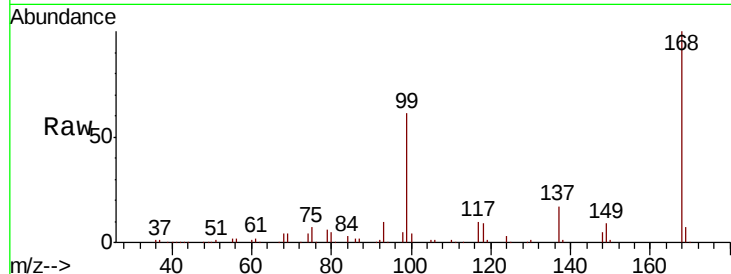
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-6A-(1)

Tot Ion:168 Resp: 113114

Ion Ratio Lower Upper

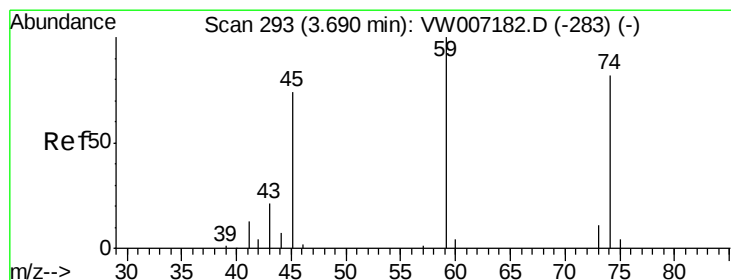
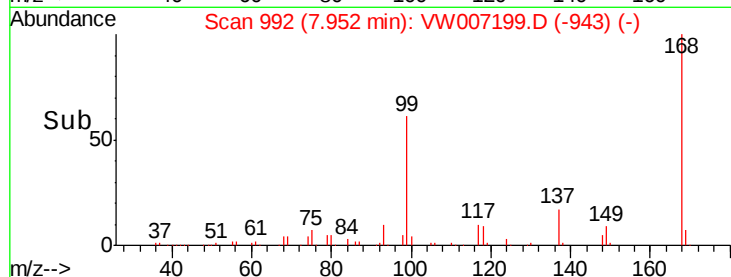
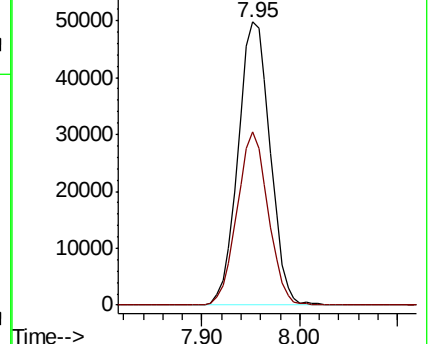
168 100

99 61.4 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.710 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.00 min

Lab File: VW007199.D

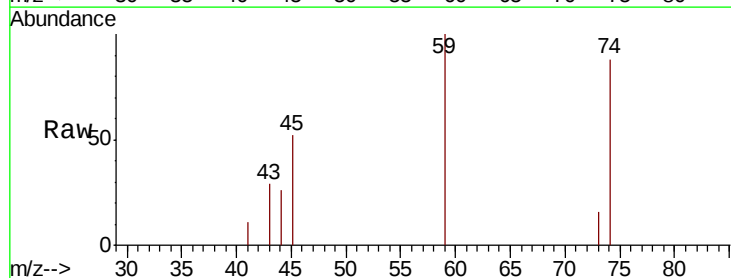
Acq: 04 Dec 2018 20:20

Tgt Ion: 74 Resp: 1445

Ion Ratio Lower Upper

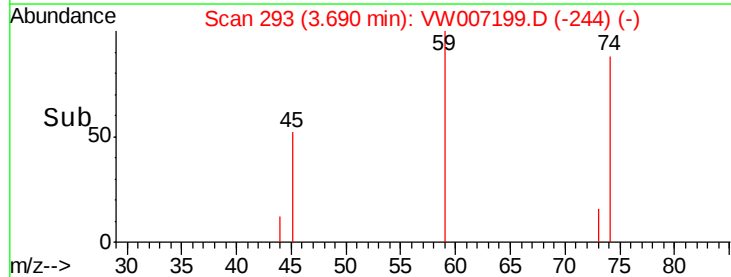
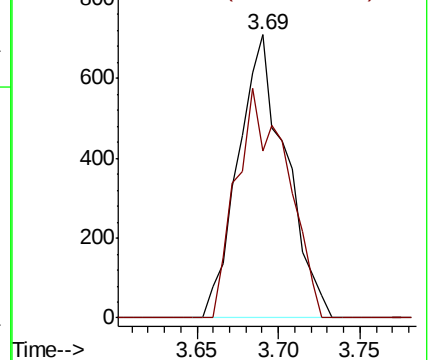
74 100

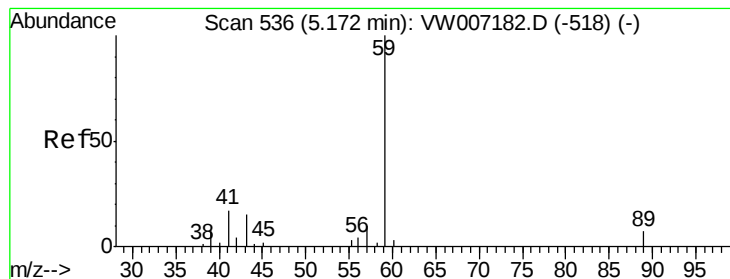
45 85.9 47.2 141.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



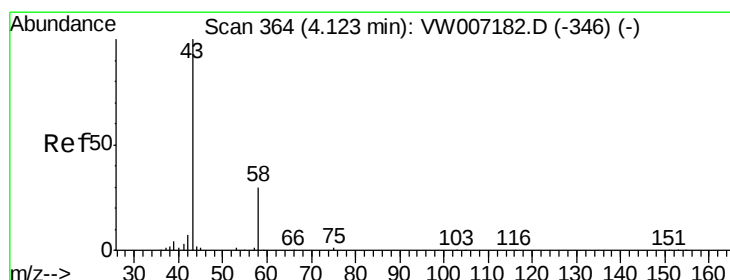
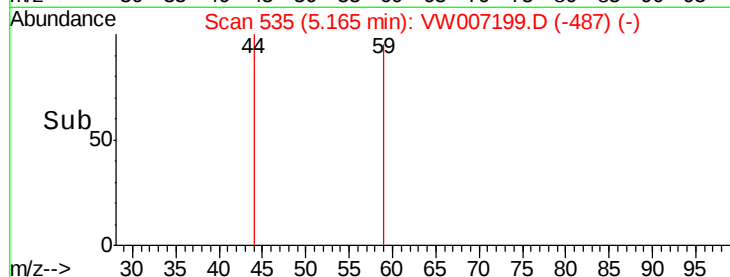
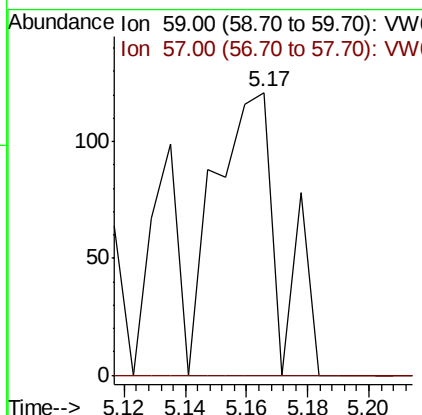
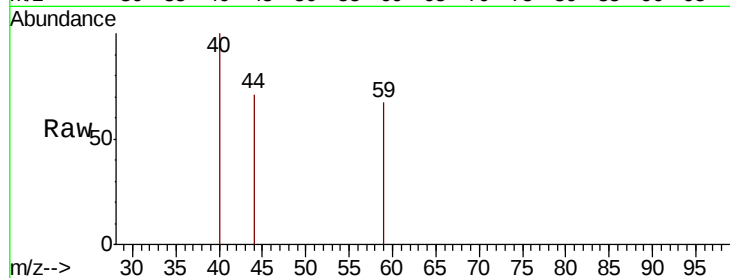


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW007199.D
 Acq: 04 Dec 2018 20:20

Instrument :
 MSVOA_W
 ClientSampled :
 HLSP-SB-6A-(1)

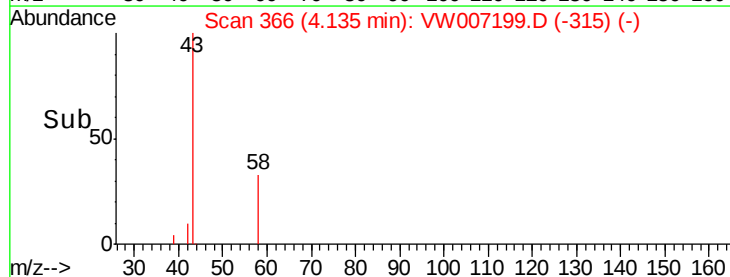
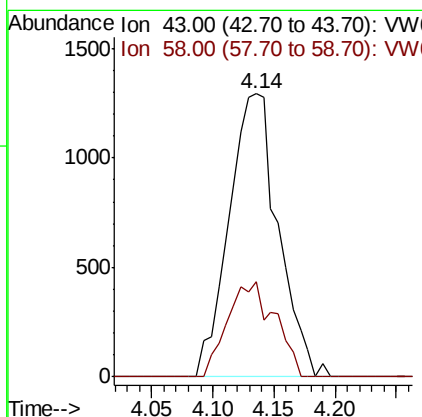
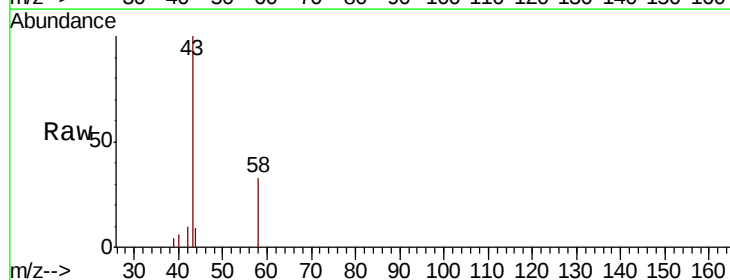
Tot Ion: 59 Resp: 179
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.1 10.7#

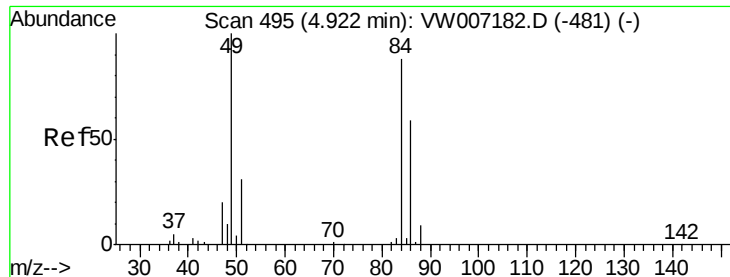


#16

Acetone
 Concen: 14.504 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VW007199.D
 Acq: 04 Dec 2018 20:20

Tgt Ion: 43 Resp: 3616
 Ion Ratio Lower Upper
 43 100
 58 33.5 23.8 35.8

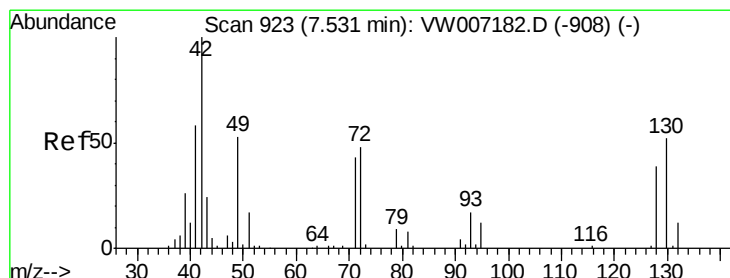
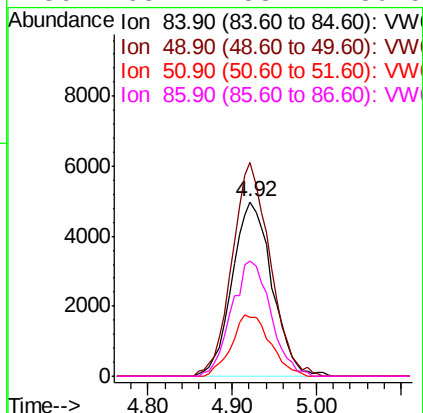
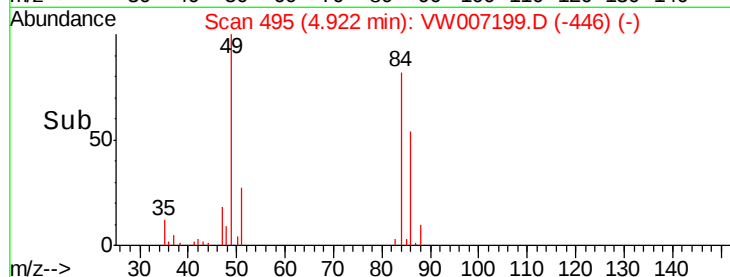
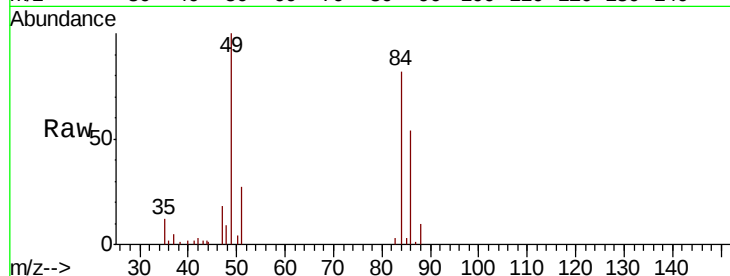




#20
Methvlene Chloride
Concen: 8.396 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW007199.D
Acq: 04 Dec 2018 20:20

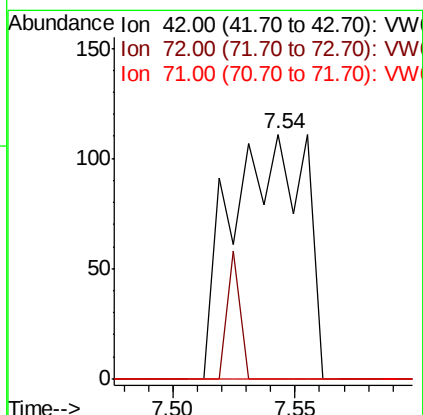
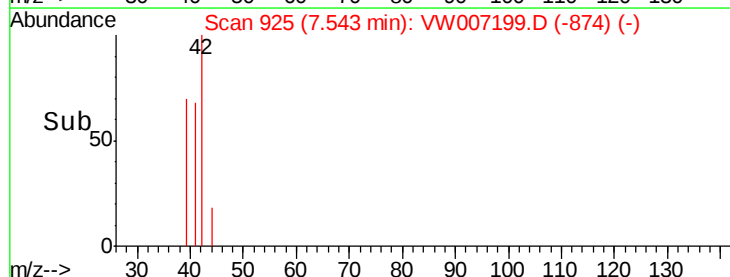
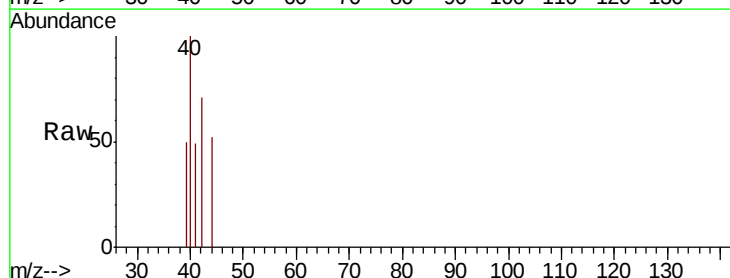
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-6A-(1)

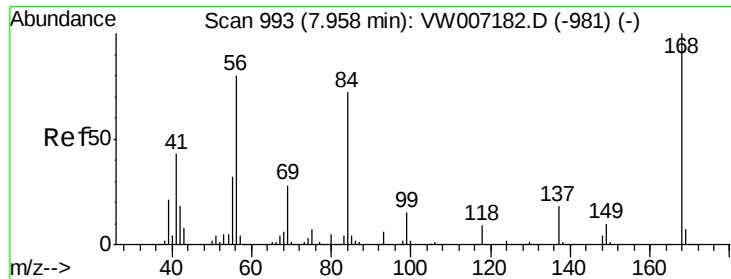
Tot Ion:	84	Resp:	15990
Ion	Ratio	Lower	Upper
84	100		
49	122.3	90.6	135.8
51	33.4	27.6	41.4
86	65.7	53.7	80.5



#29
Tetrahydrofuran
Concen: 1.299 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW007199.D
Acq: 04 Dec 2018 20:20

Tgt Ion:	42	Resp:	232
Ion	Ratio	Lower	Upper
42	100		
72	9.1	36.6	55.0#
71	0.0	34.8	52.2#

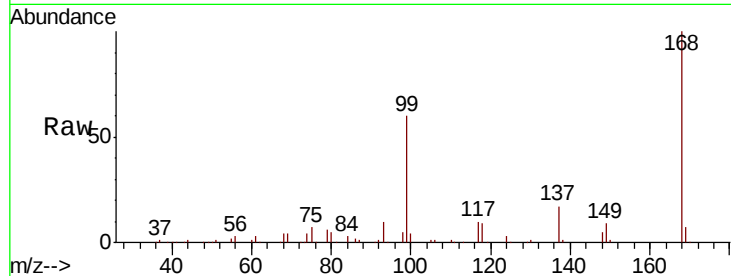




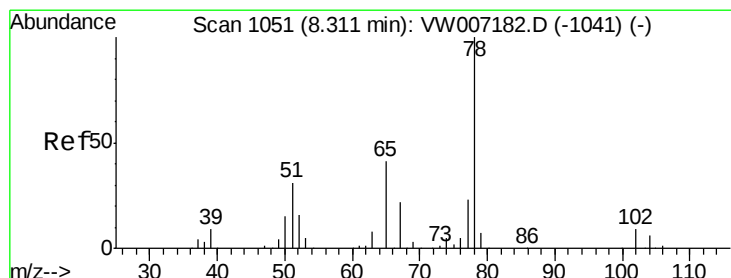
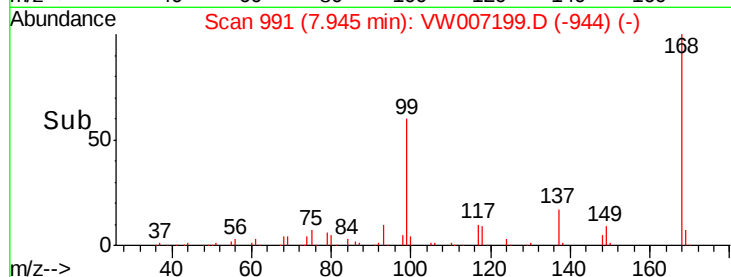
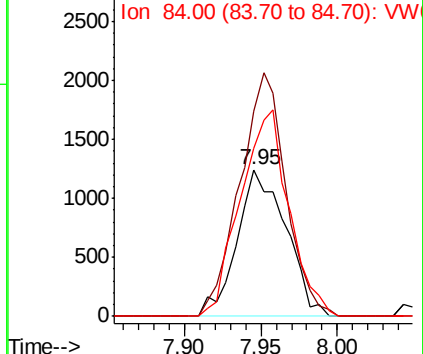
#31
Cyclohexane
Concen: 1.319 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007199.D
Acq: 04 Dec 2018 20:20

Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-6A-(1)

Tot Ion: 56 Resp: 2756
Ion Ratio Lower Upper
56 100
69 139.6 28.2 42.2#
84 114.4 72.1 108.1#

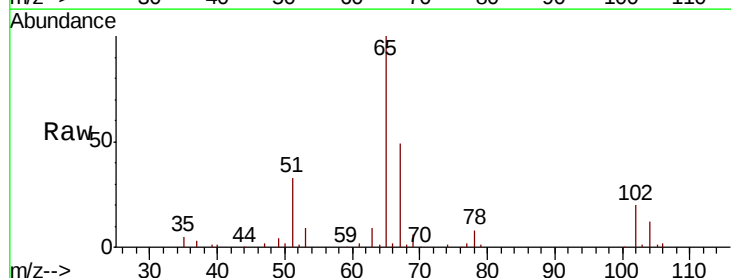


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

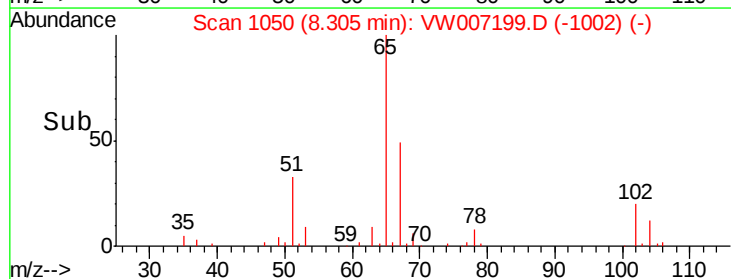
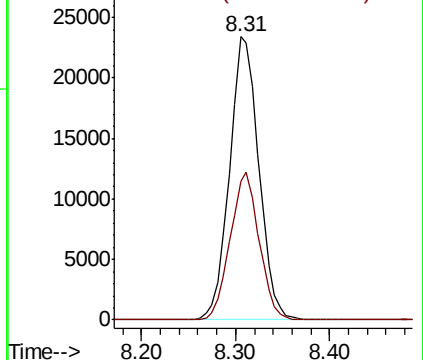


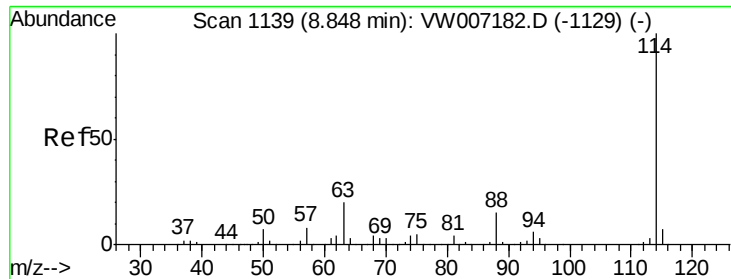
#33
1,2-Dichloroethane-d4
Concen: 48.096 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VW007199.D
Acq: 04 Dec 2018 20:20

Tgt Ion: 65 Resp: 50652
Ion Ratio Lower Upper
65 100
67 51.3 0.0 106.4



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

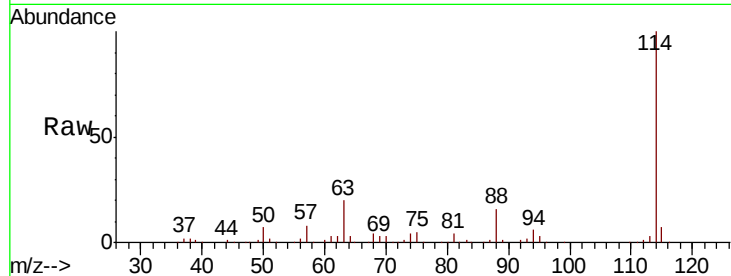




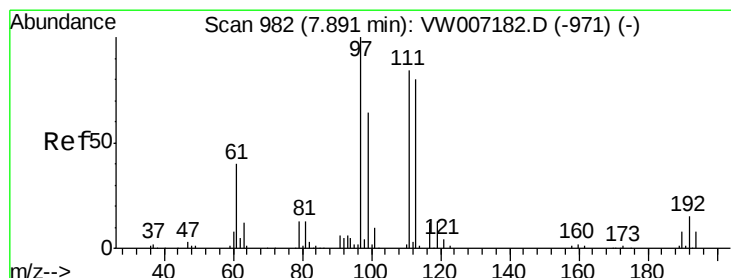
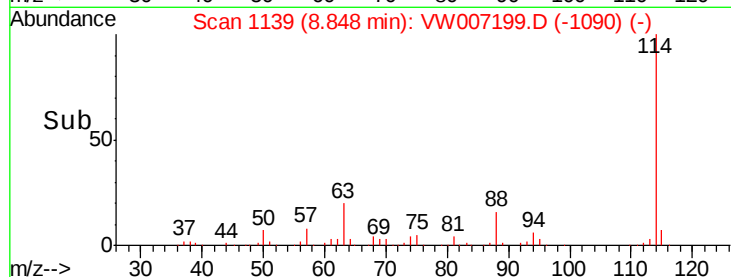
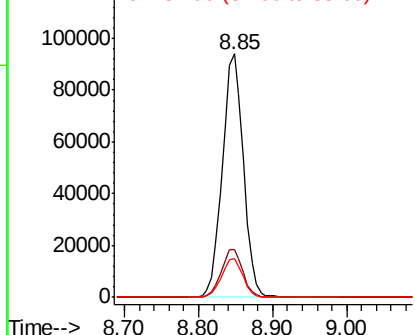
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW007199.D
 Acq: 04 Dec 2018 20:20

Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-6A-(1)

Tot Ion:114 Resp: 185138
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.2
 88 16.1 0.0 30.0

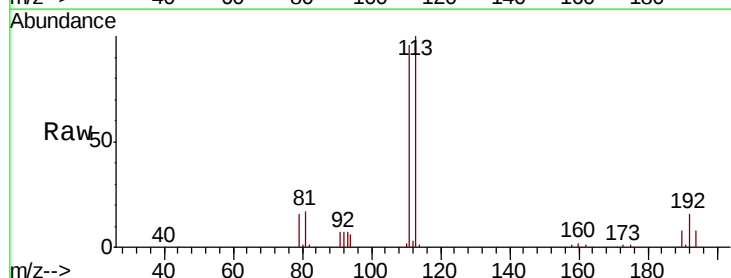


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

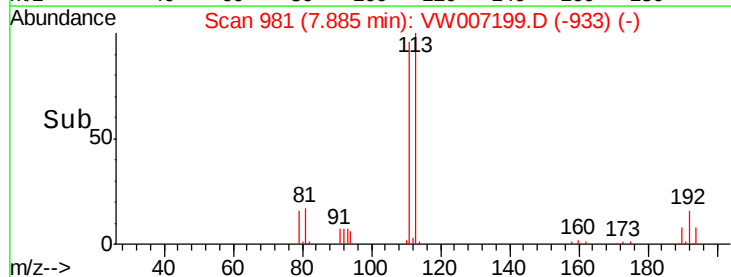
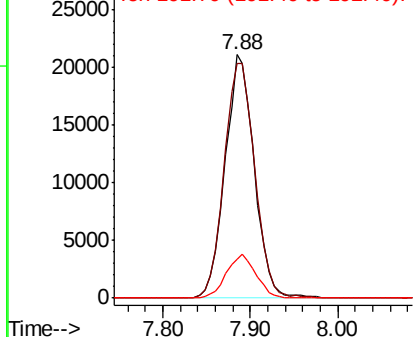


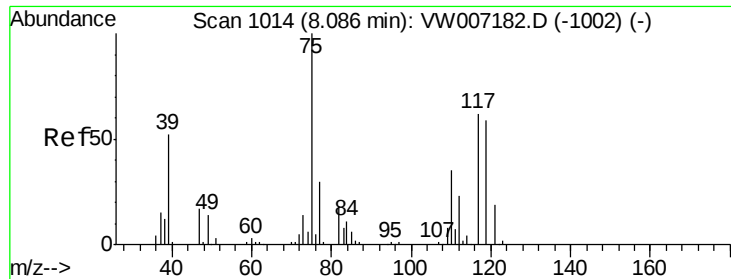
#35
 Dibromofluoromethane
 Concen: 46.036 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW007199.D
 Acq: 04 Dec 2018 20:20

Tgt Ion:113 Resp: 48803
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.2 123.4
 192 18.0 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

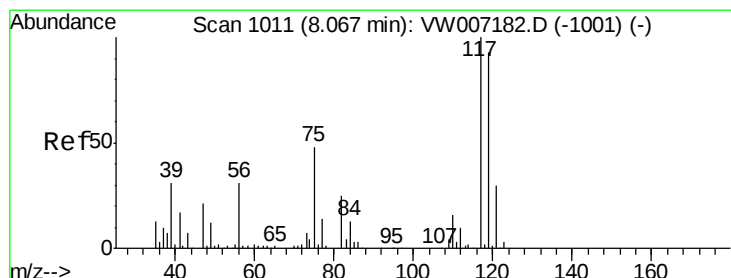
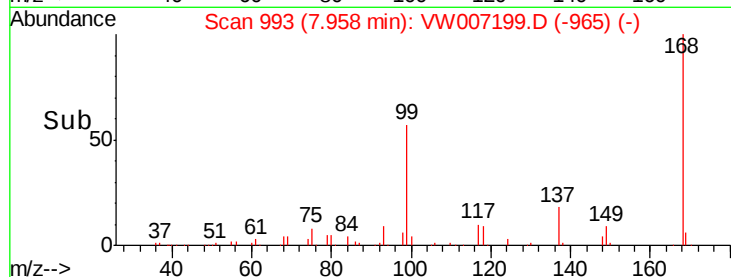
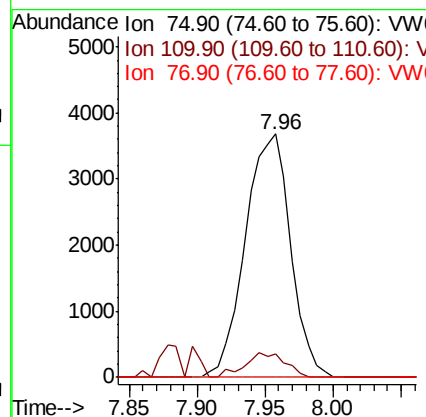
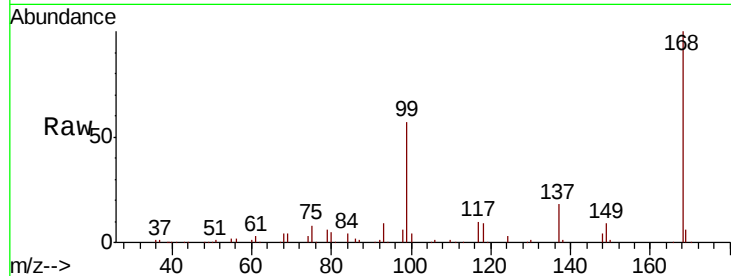




#36
 1,1-Dichloropropene
 Concen: 4.753 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW007199.D
 Acq: 04 Dec 2018 20:20

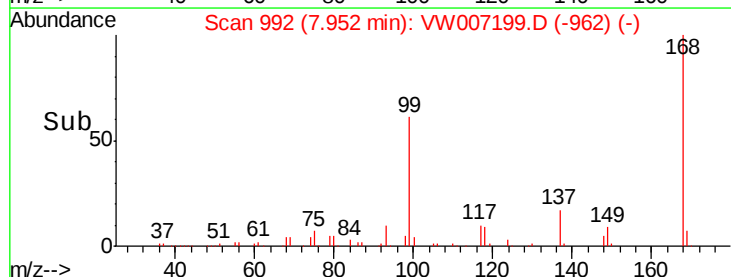
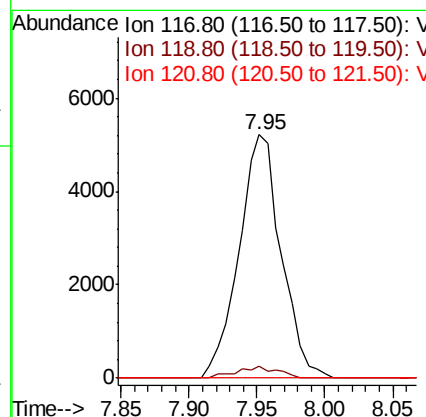
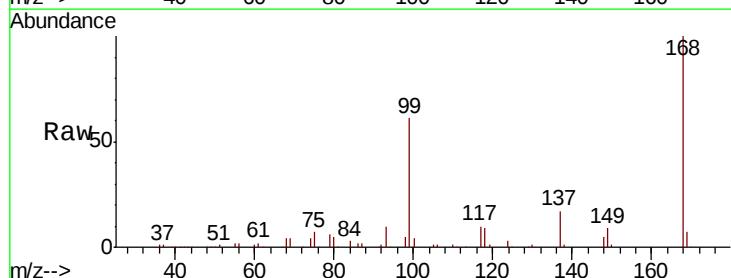
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 MSVOA_W
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 HLSP-SB-6A-(1)

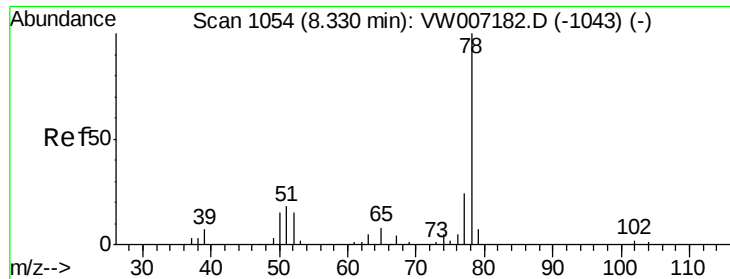
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.3	54.9#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.128 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW007199.D
 Acq: 04 Dec 2018 20:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	74.1	111.1#
121	0.0	23.9	35.9#





#40

Benzene

Concen: 2.551 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW007199.D

Acq: 04 Dec 2018 20:20

Instrument :

MSVOA_W

ClientSampleId :

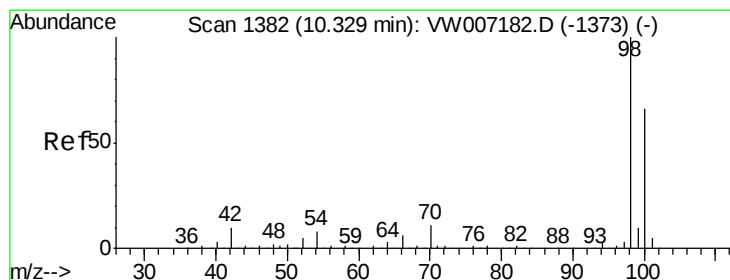
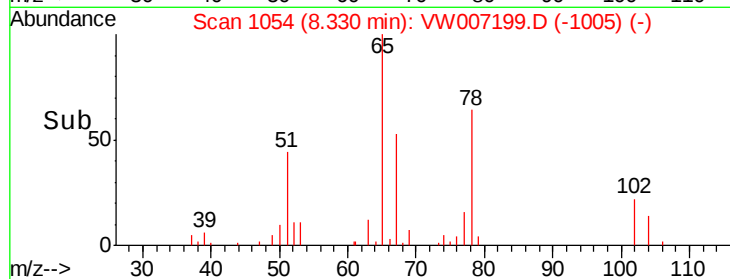
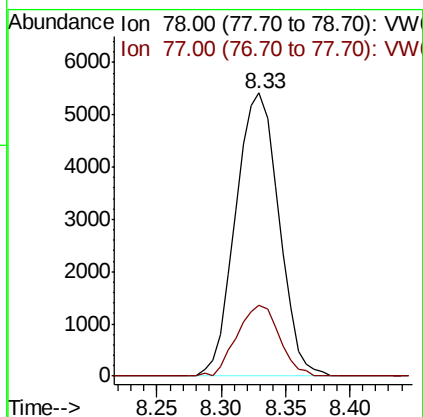
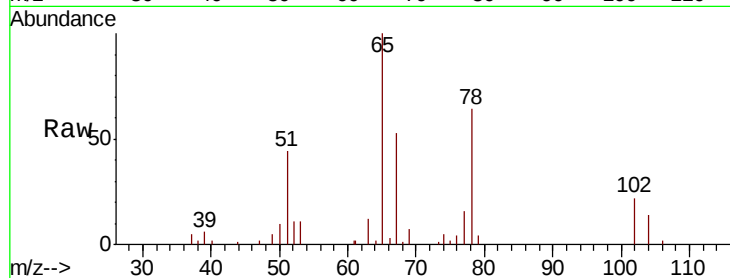
HLSP-SB-6A-(1)

Tot Ion: 78 Resp: 12603

Ion Ratio Lower Upper

78 100

77 25.1 18.9 28.3



#50

Toluene-d8

Concen: 41.937 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW007199.D

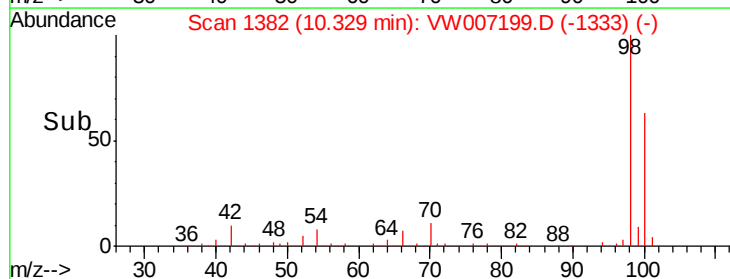
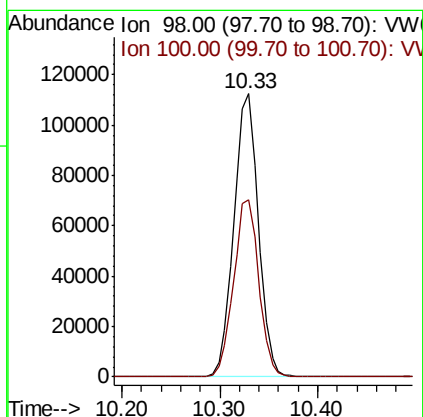
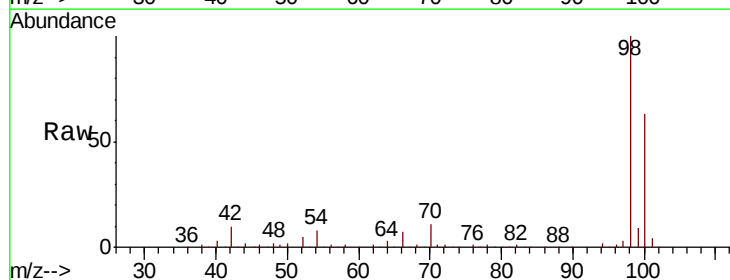
Acq: 04 Dec 2018 20:20

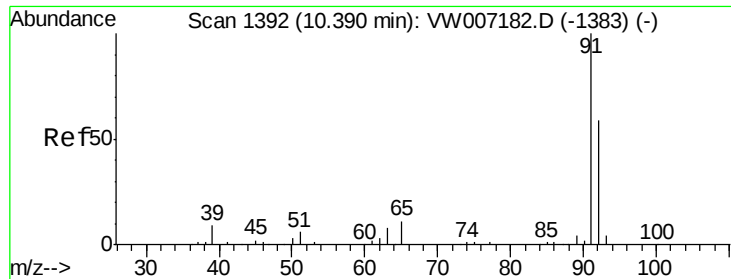
Tgt Ion: 98 Resp: 195835

Ion Ratio Lower Upper

98 100

100 64.4 52.7 79.1





#52

Toluene

Concen: 34.048 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007199.D

Acq: 04 Dec 2018 20:20

Instrument :

MSVOA_W

ClientSampled :

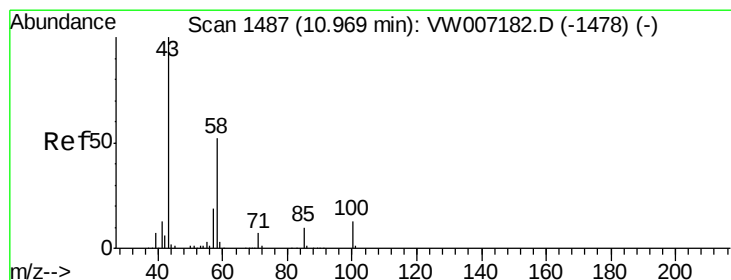
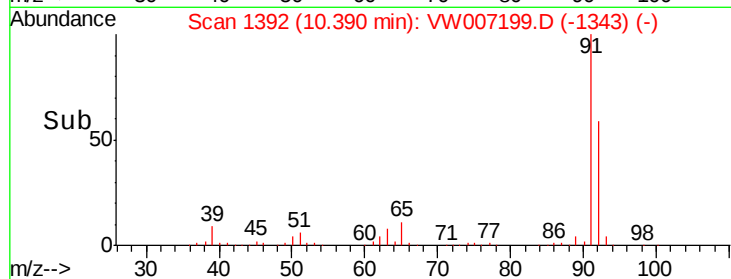
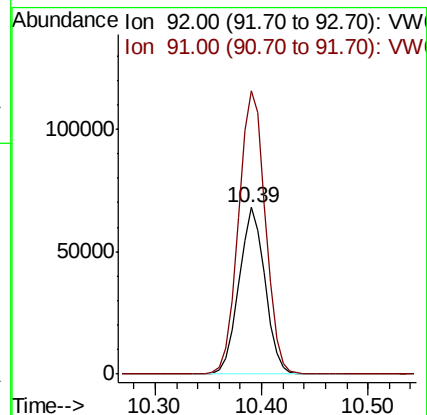
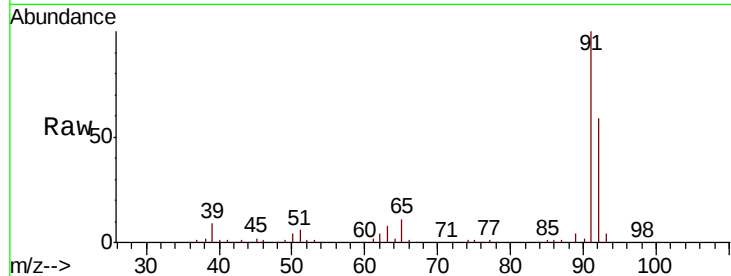
HLSP-SB-6A-(1)

Tot Ion: 92 Resp: 116996

Ion Ratio Lower Upper

92 100

91 174.4 136.0 204.0



#59

2-Hexanone

Concen: 1.354 ug/l

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW007199.D

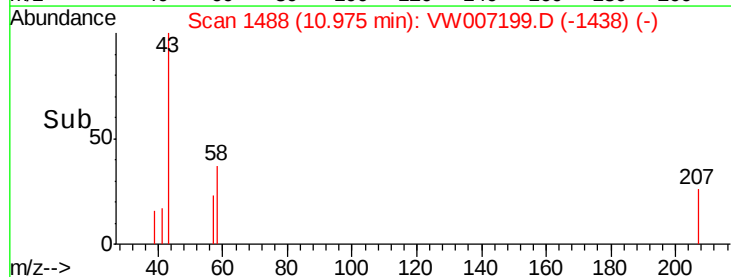
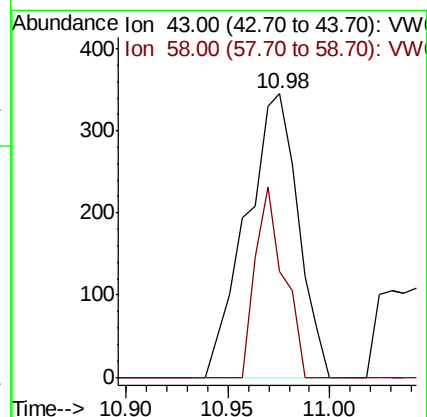
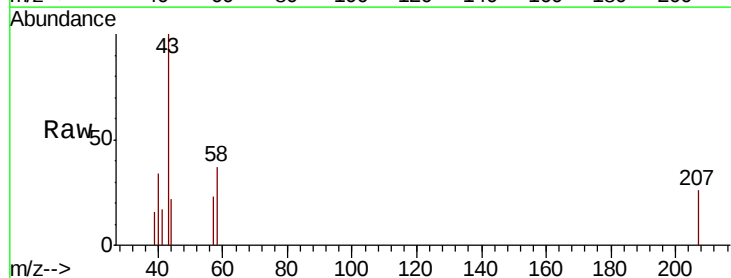
Acq: 04 Dec 2018 20:20

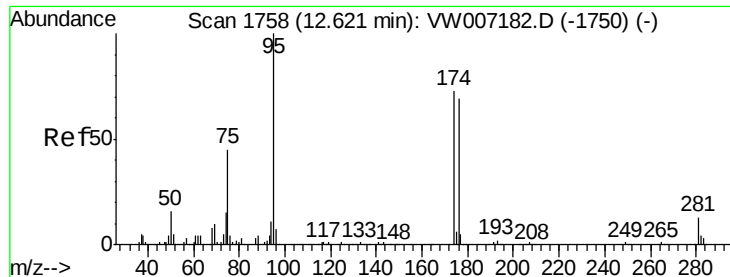
Tgt Ion: 43 Resp: 612

Ion Ratio Lower Upper

43 100

58 36.6 28.1 84.4

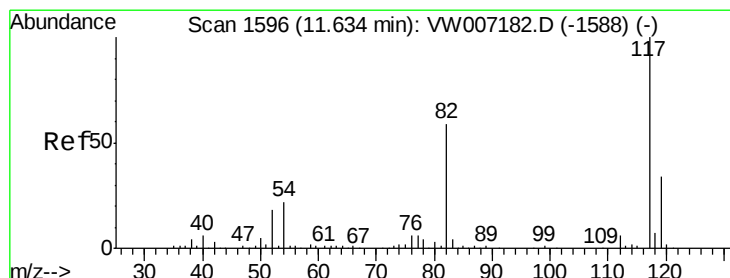
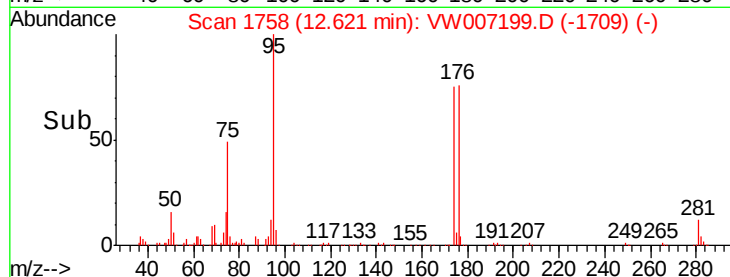
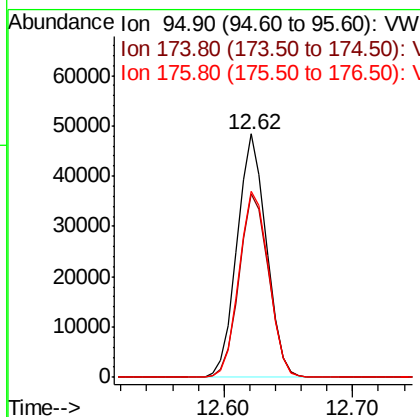
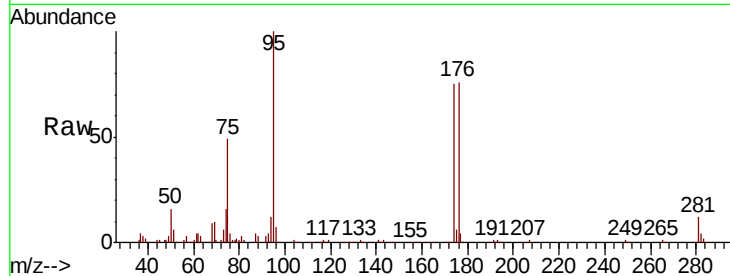




#62
4-Bromofluorobenzene
Concen: 43.271 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW007199.D
Acq: 04 Dec 2018 20:20

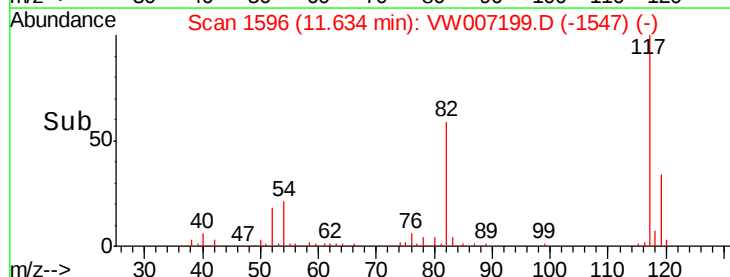
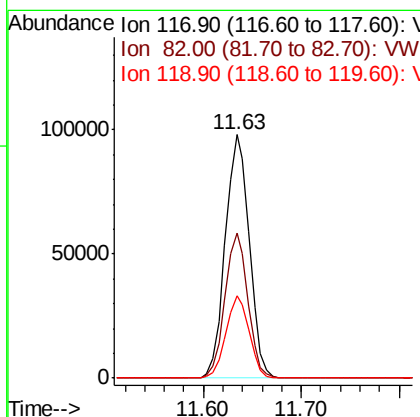
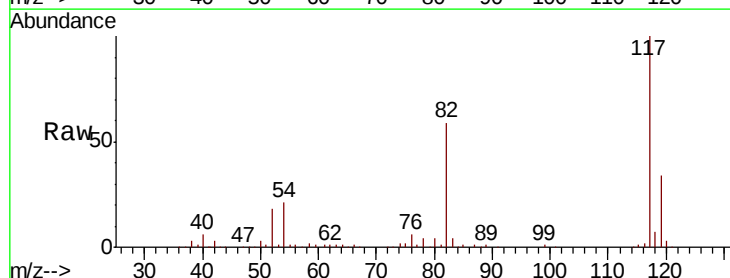
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-6A-(1)

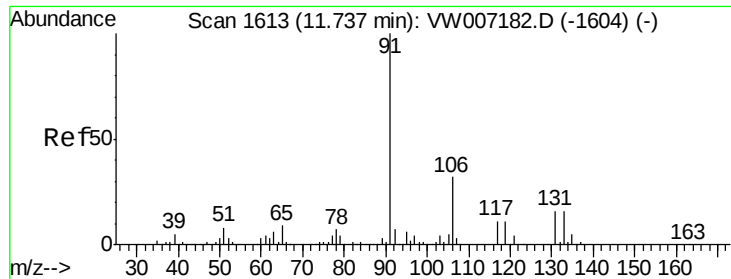
Tot Ion: 95 Resp: 76267
Ion Ratio Lower Upper
95 100
174 75.8 0.0 148.0
176 77.1 0.0 139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007199.D
Acq: 04 Dec 2018 20:20

Tgt Ion: 117 Resp: 166615
Ion Ratio Lower Upper
117 100
82 59.4 47.4 71.2
119 33.9 26.8 40.2

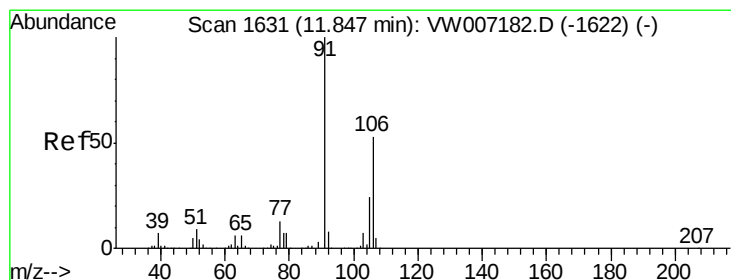
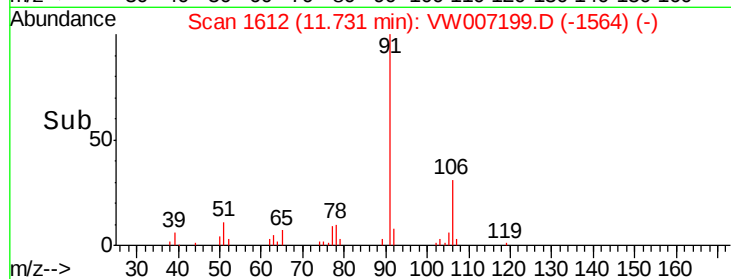
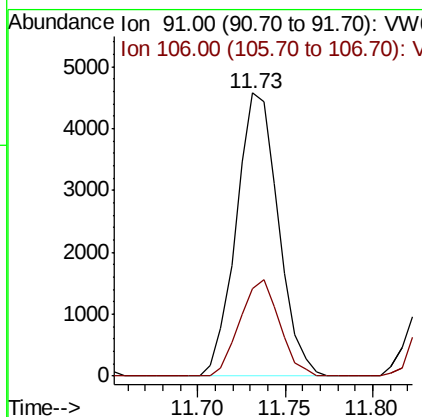
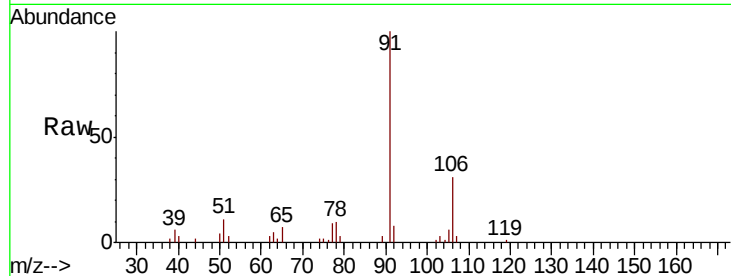




#67
Ethyl Benzene
Concen: 1.132 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW007199.D
Acq: 04 Dec 2018 20:20

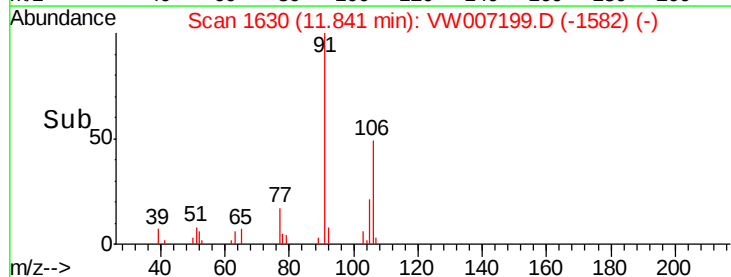
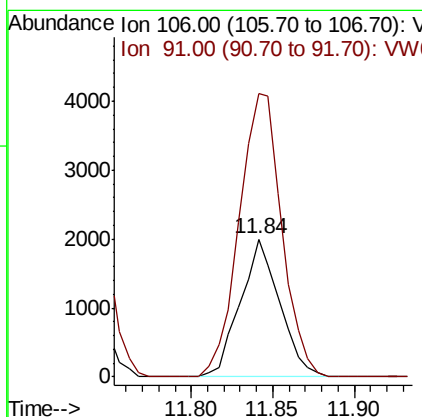
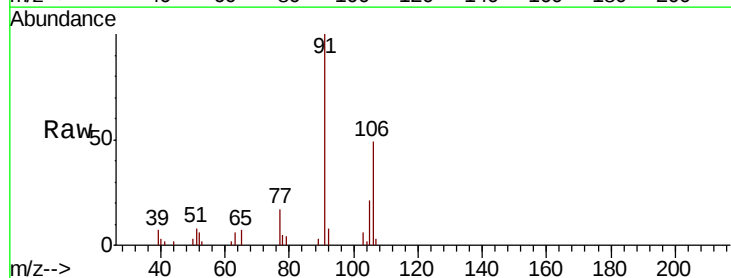
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-6A-(1)

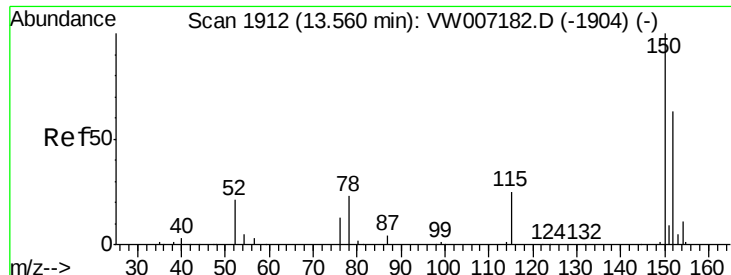
Tot Ion: 91 Resp: 7675
Ion Ratio Lower Upper
91 100
106 31.1 26.0 39.0



#68
m/p-Xylenes
Concen: 1.270 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW007199.D
Acq: 04 Dec 2018 20:20

Tgt Ion: 106 Resp: 3380
Ion Ratio Lower Upper
106 100
91 220.8 160.2 240.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW007199.D

Acq: 04 Dec 2018 20:20

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-6A-(1)

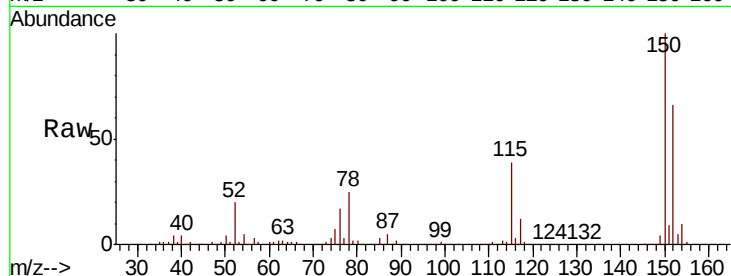
Tot Ion:152 Resp: 82686

Ion Ratio Lower Upper

152 100

115 60.9 31.3 93.8

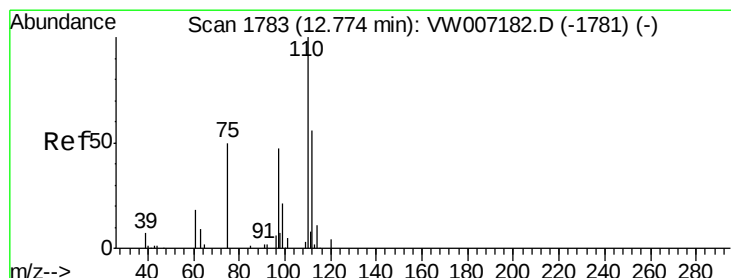
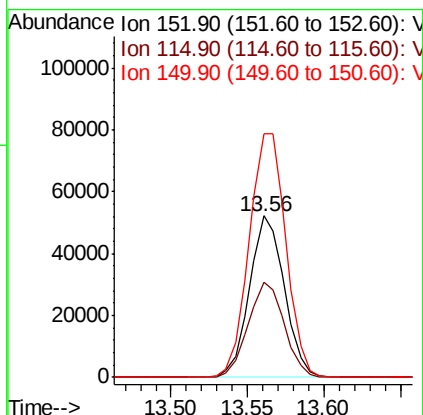
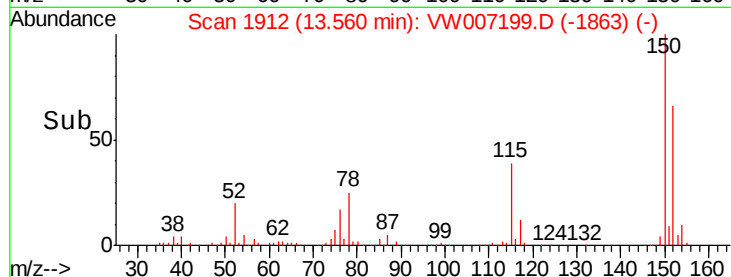
150 159.6 0.0 358.0



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: 30.392 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007199.D

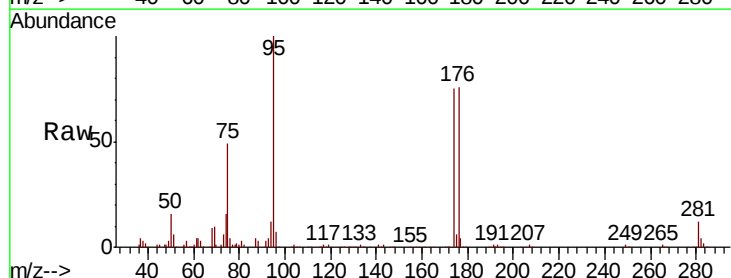
Acq: 04 Dec 2018 20:20

Tgt Ion: 75 Resp: 37765

Ion Ratio Lower Upper

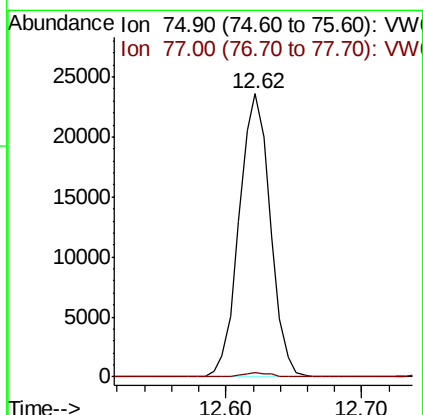
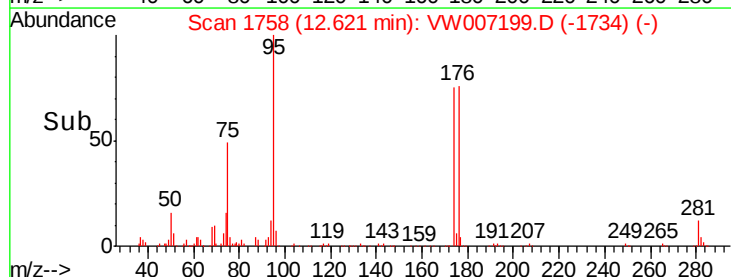
75 100

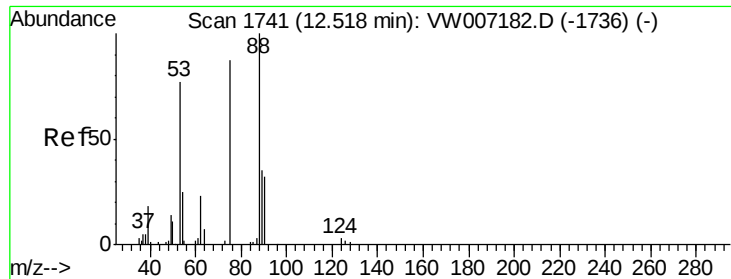
77 1.3 0.0 0.0#



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: 127.134 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007199.D

Acq: 04 Dec 2018 20:20

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-6A-(1)

Tot Ion: 75 Resp: 37765

Ion Ratio Lower Upper

75 100

53 0.0 72.8 109.2#

89 0.0 36.4 54.6#

