

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120518\
 Data File : VW007244.D
 Acq On : 05 Dec 2018 20:53
 Operator : SY/AP
 Sample : J6206-16RE
 Misc : 4.46G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-3A-(1)RE

Quant Time: Dec 06 06:23:14 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	101733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	160087	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	109842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	25070	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	42261	44.62	ug/l	0.00
Spiked Amount			Recovery	=	89.24%	
35) Dibromofluoromethane	7.88	113	40753	44.46	ug/l	0.00
Spiked Amount			Recovery	=	88.92%	
50) Toluene-d8	10.33	98	141533	35.05	ug/l	0.00
Spiked Amount			Recovery	=	70.10%	
62) 4-Bromofluorobenzene	12.62	95	32876	21.57	ug/l	0.00
Spiked Amount			Recovery	=	43.14%	

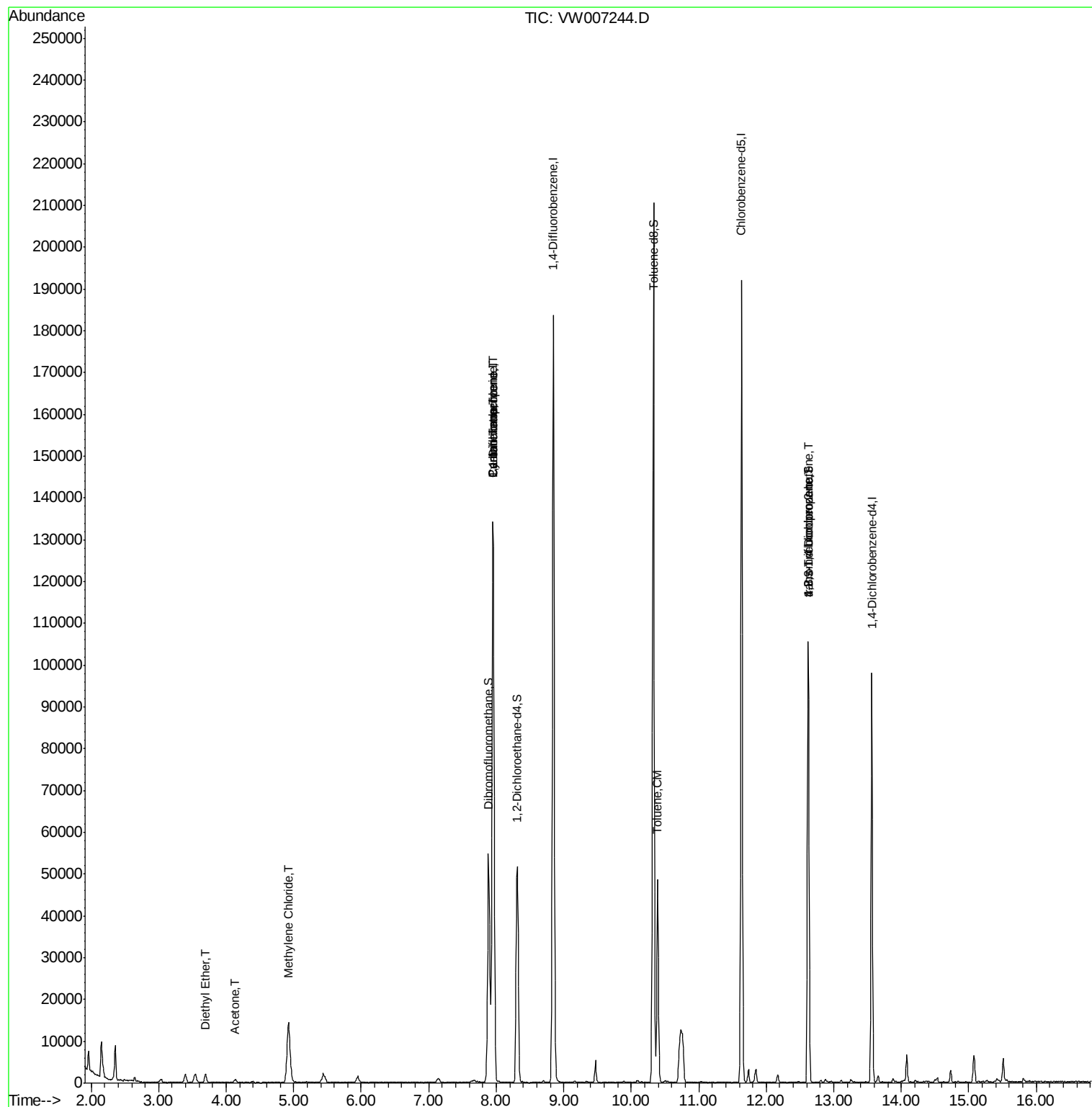
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.70	74	1065	2.221	ug/l	98
11) Tert butyl alcohol	5.17	59	48	Below Cal	#	75
16) Acetone	4.14	43	1381	6.159	ug/l #	60
20) Methylene Chloride	4.93	84	11572	5.619	ug/l	96
31) Cyclohexane	7.95	56	2080	1.107	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	7757	4.980	ug/l #	49
38) Carbon Tetrachloride	7.95	117	10421	6.555	ug/l #	16
52) Toluene	10.40	92	20208	6.801	ug/l	91
76) 1,2,3-Trichloropropane	12.62	75	16668	85.865	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	16668	185.069	ug/l #	13

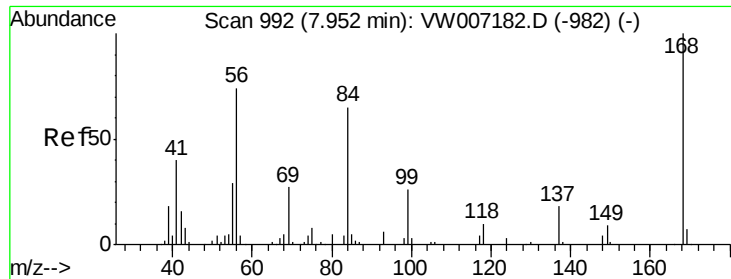
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120518\
Data File : VW007244.D
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ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-3A-(1)RE

Quant Time: Dec 06 06:23:14 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: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007244.D

Acq: 05 Dec 2018 20:53

Instrument :

MSVOA_W

ClientSampleId :

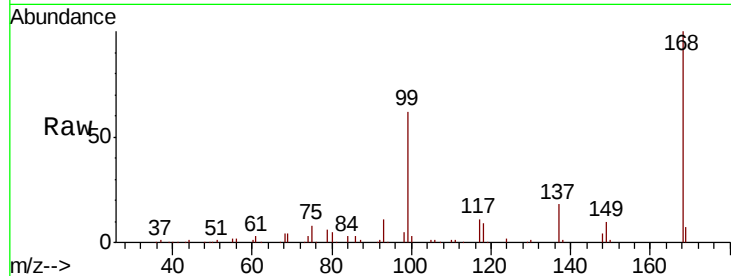
HLSP-SB-3A-(1)RE

Tot Ion:168 Resp: 101733

Ion Ratio Lower Upper

168 100

99 62.2 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

50000

40000

30000

20000

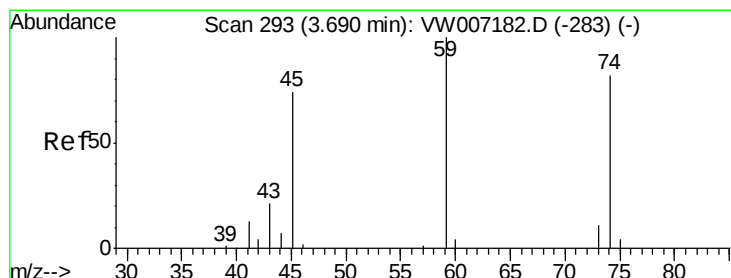
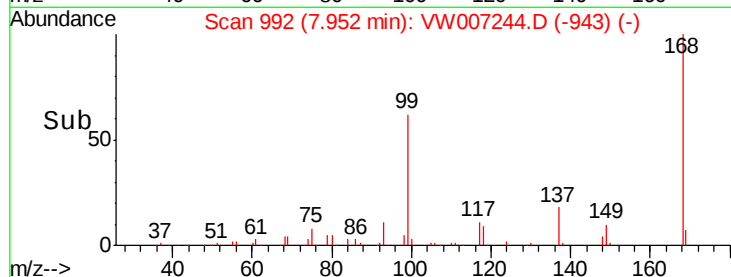
10000

0

Time-->

7.90

8.00



#8

Diethyl Ether

Concen: 2.221 ug/l

RT: 3.70 min Scan# 294

Delta R.T. 0.01 min

Lab File: VW007244.D

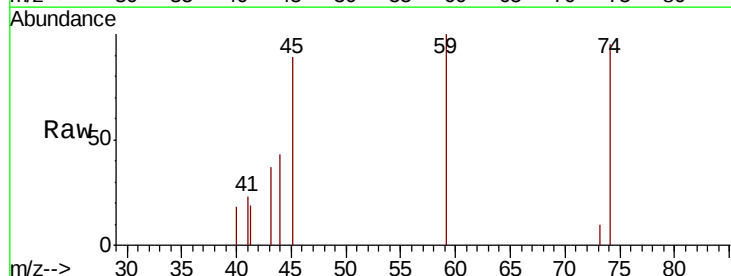
Acq: 05 Dec 2018 20:53

Tgt Ion: 74 Resp: 1065

Ion Ratio Lower Upper

74 100

45 92.9 47.2 141.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.70

500

400

300

200

100

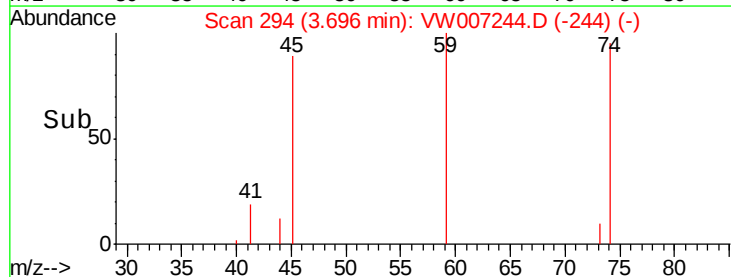
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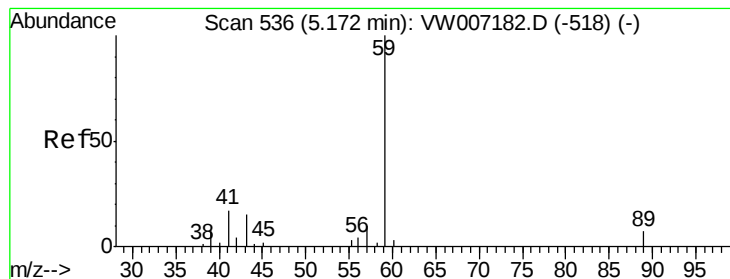
Time-->

3.65

3.70

3.75



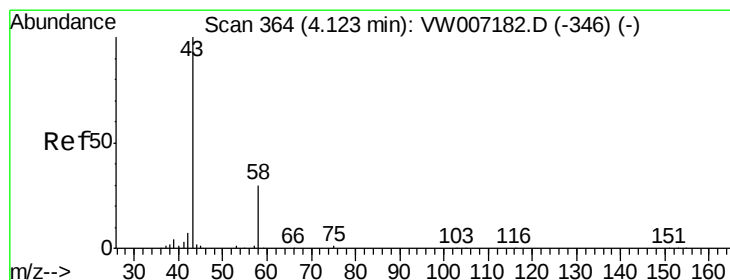
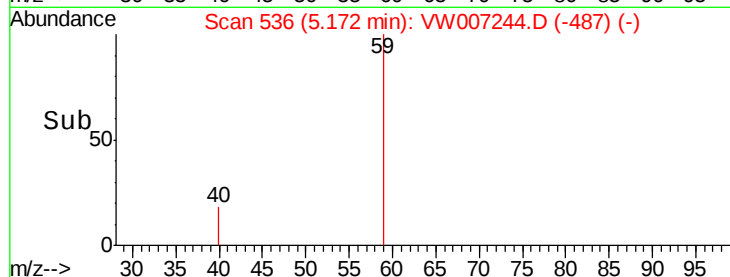
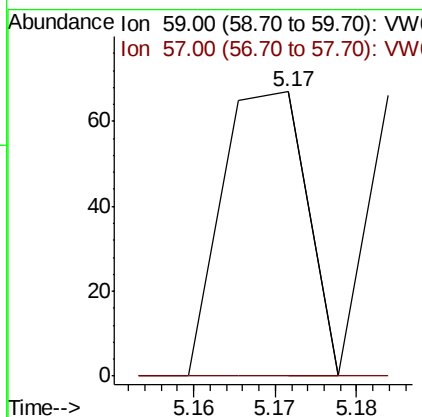
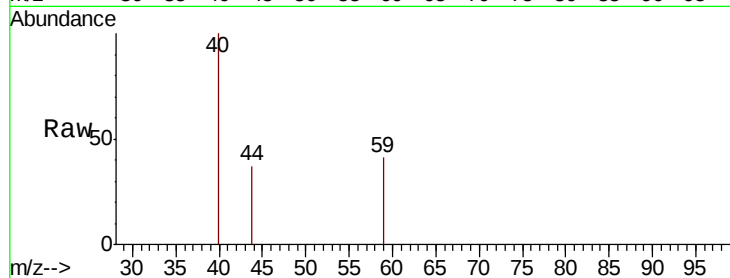


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW007244.D
 Acq: 05 Dec 2018 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-3A-(1)RE

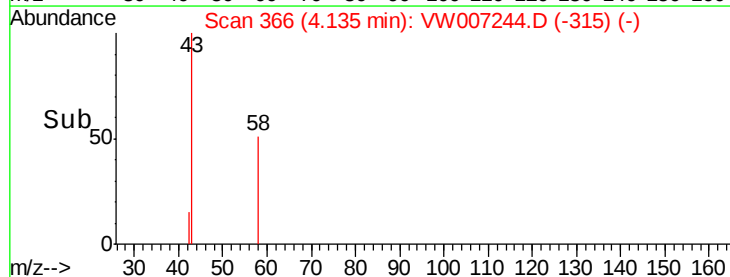
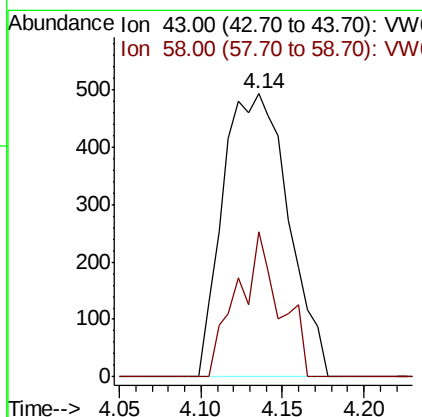
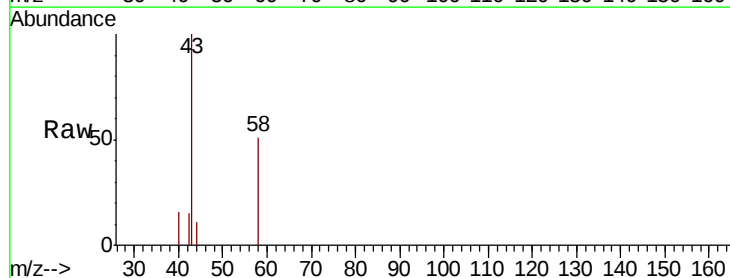
Tot Ion: 59 Resp: 48
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.1 10.7#

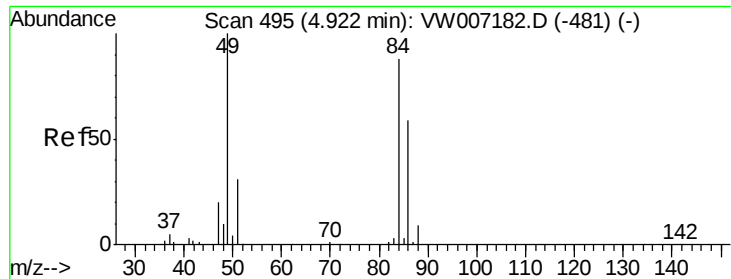


#16

Acetone
 Concen: 6.159 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VW007244.D
 Acq: 05 Dec 2018 20:53

Tgt Ion: 43 Resp: 1381
 Ion Ratio Lower Upper
 43 100
 58 51.3 23.8 35.8#

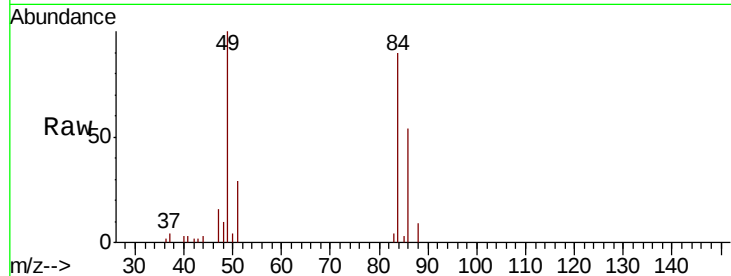




#20
Methvlene Chloride
Concen: 5.619 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW007244.D
Acq: 05 Dec 2018 20:53

Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-3A-(1)RE

Tot Ion:	84	Resp:	11572
Ion	Ratio	Lower	Upper
84	100		
49	111.3	90.6	135.8
51	32.2	27.6	41.4
86	60.5	53.7	80.5



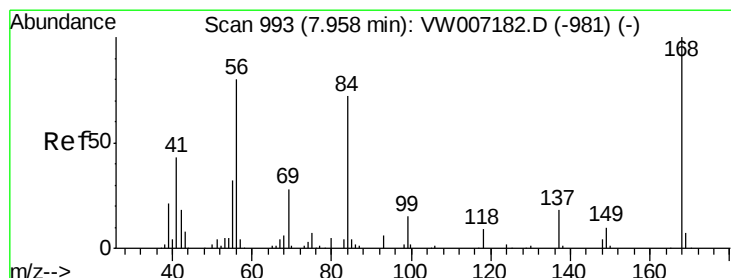
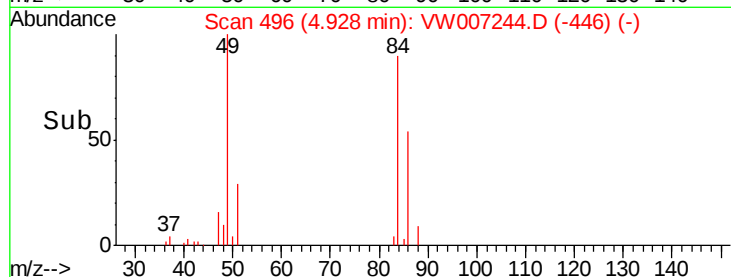
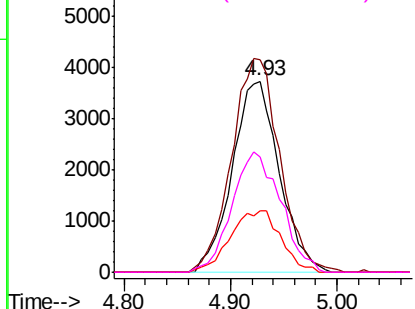
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

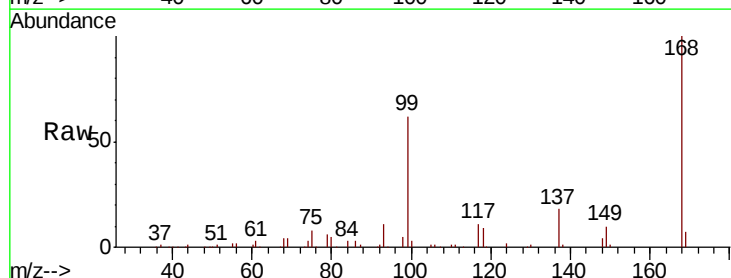
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#31
Cyclohexane
Concen: 1.107 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW007244.D
Acq: 05 Dec 2018 20:53

Tgt Ion:	56	Resp:	2080
Ion	Ratio	Lower	Upper
56	100		
69	189.0	28.2	42.2#
84	147.4	72.1	108.1#

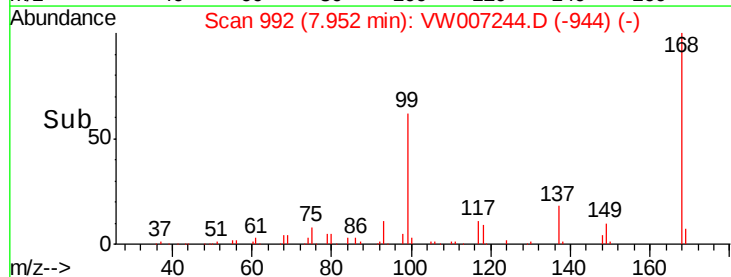
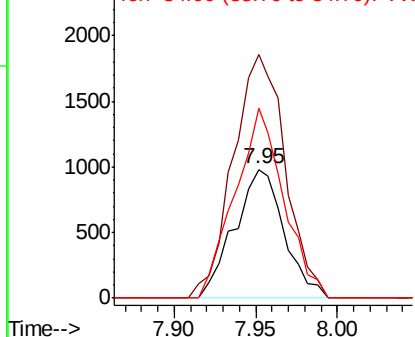


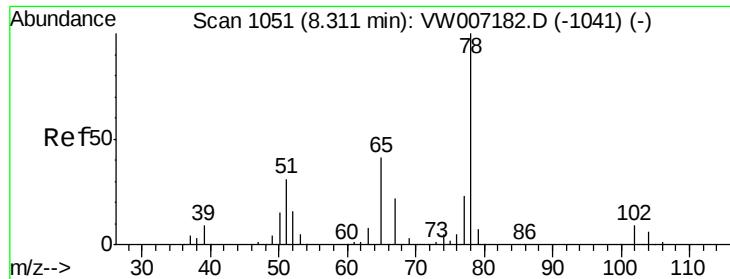
Abundance

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

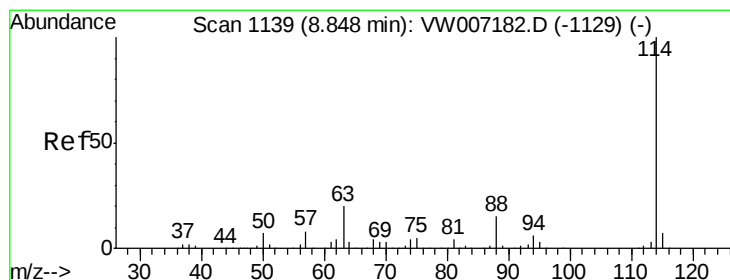
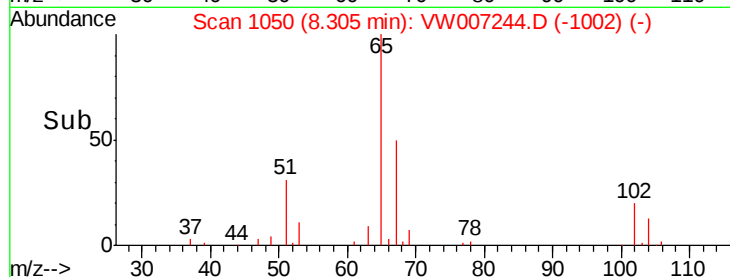
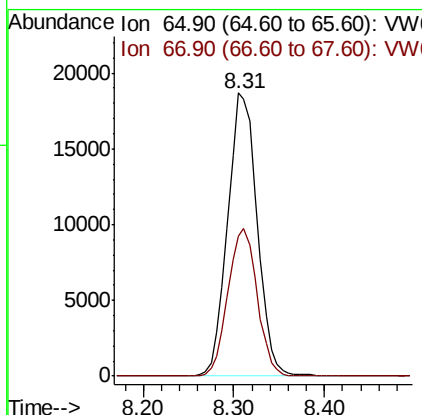
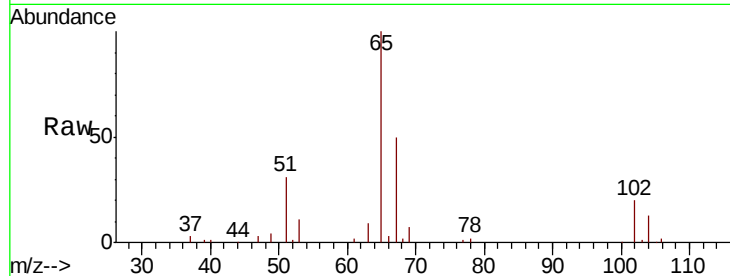




#33
 1,2-Dichloroethane-d4
 Concen: 44.618 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW007244.D
 Acq: 05 Dec 2018 20:53

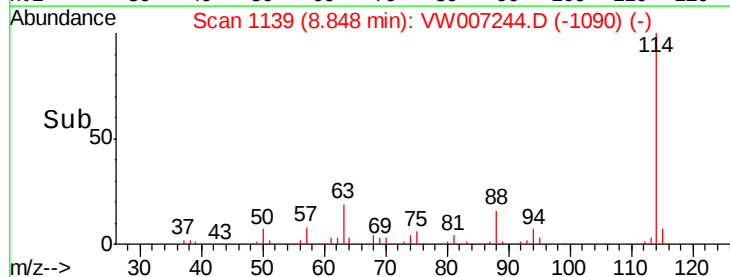
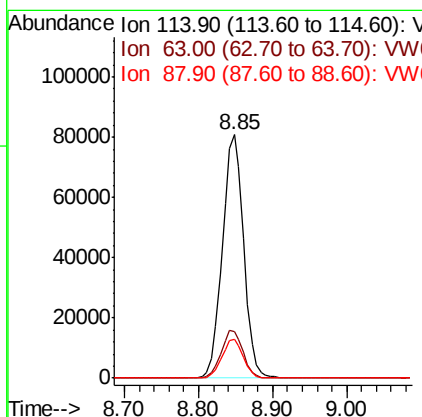
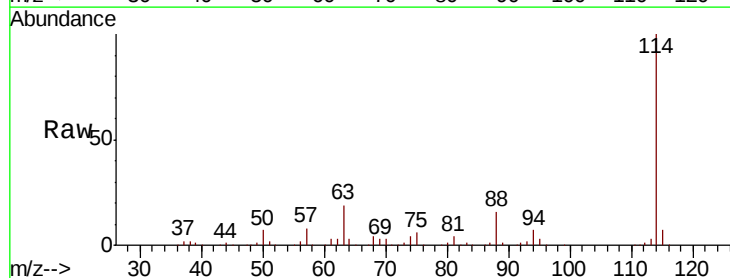
Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-3A-(1)RE

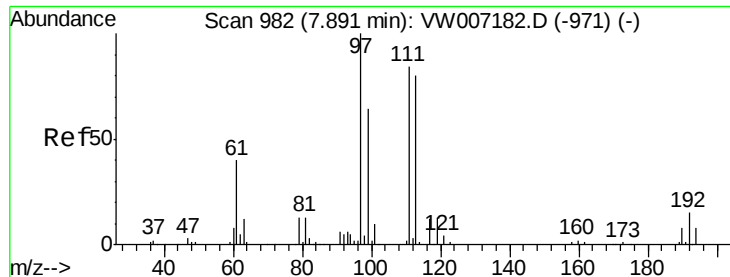
Tot Ion: 65 Resp: 42261
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW007244.D
 Acq: 05 Dec 2018 20:53

Tgt Ion: 114 Resp: 160087
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 40.2
 88 15.8 0.0 30.0





#35

Dibromofluoromethane

Concen: 44.458 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW007244.D

Acq: 05 Dec 2018 20:53

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-3A-(1)RE

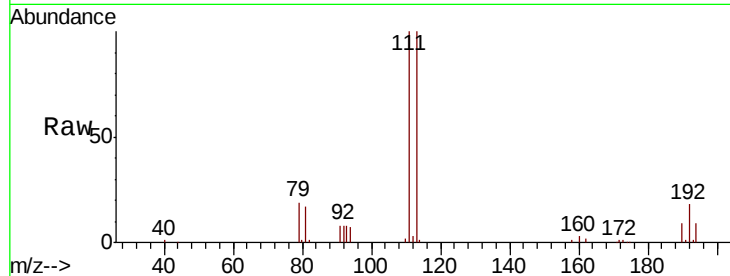
Tot Ion:113 Resp: 40753

Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.4

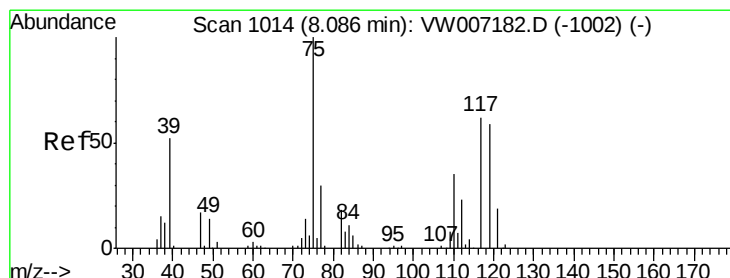
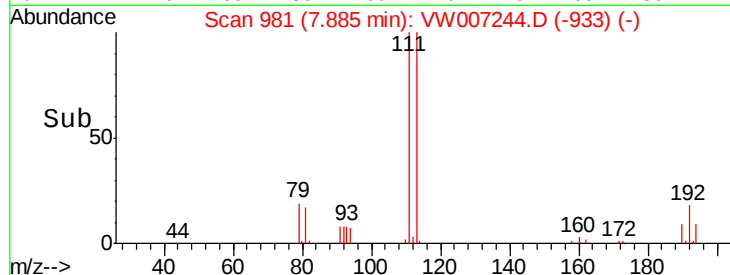
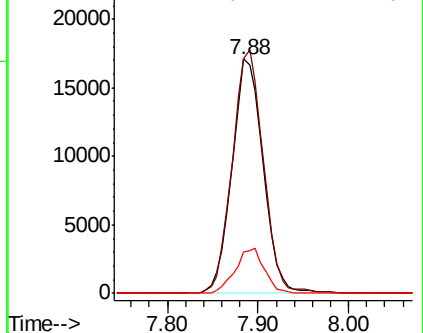
192 17.9 14.4 21.6



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: 4.980 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW007244.D

Acq: 05 Dec 2018 20:53

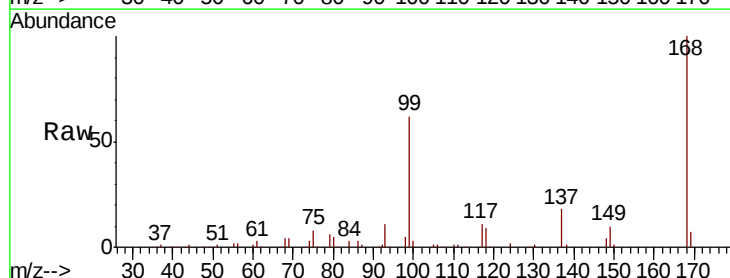
Tgt Ion: 75 Resp: 7757

Ion Ratio Lower Upper

75 100

110 8.7 18.3 54.9#

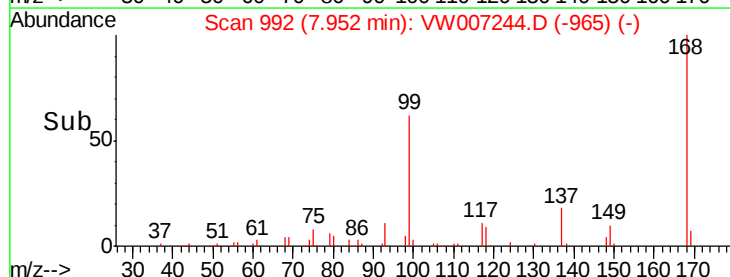
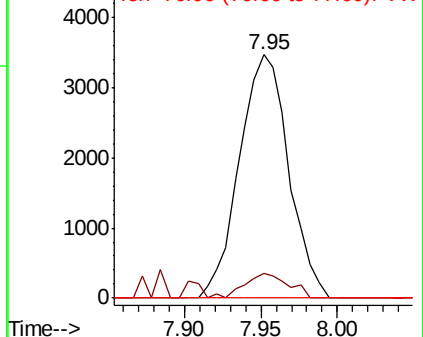
77 0.0 24.9 37.3#

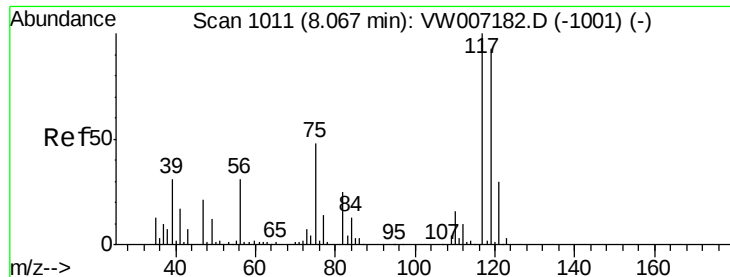


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.555 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007244.D

Acq: 05 Dec 2018 20:53

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-3A-(1)RE

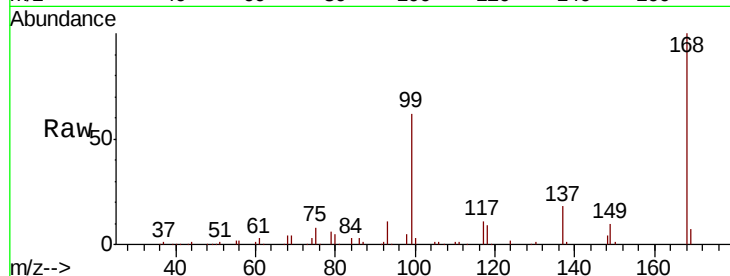
Tot Ion:117 Resp: 10421

Ion Ratio Lower Upper

117 100

119 3.6 74.1 111.1#

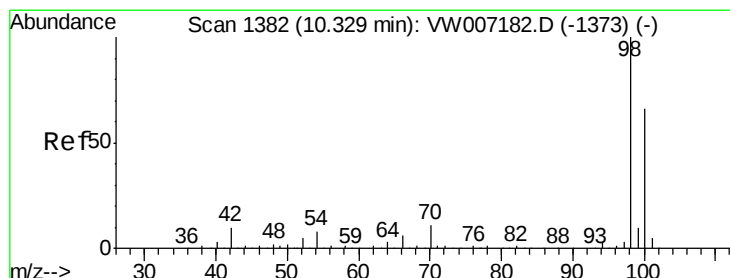
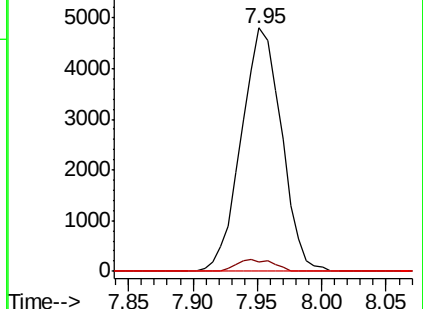
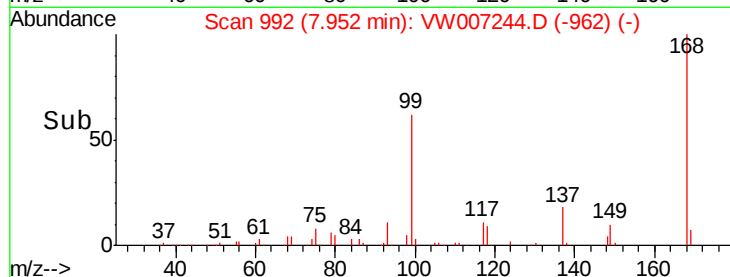
121 0.0 23.9 35.9#



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: 35.052 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW007244.D

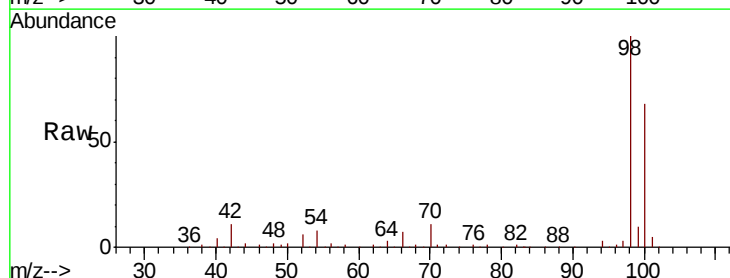
Acq: 05 Dec 2018 20:53

Tgt Ion: 98 Resp: 141533

Ion Ratio Lower Upper

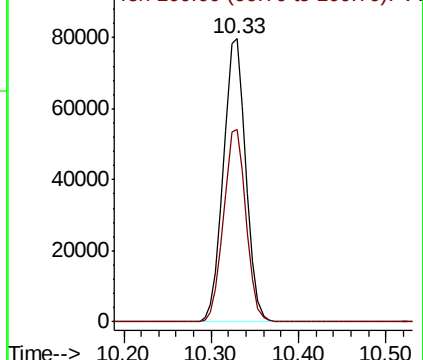
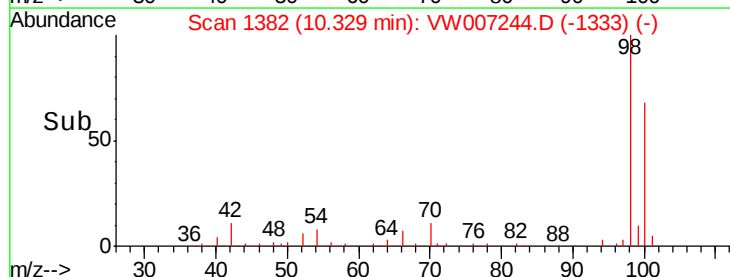
98 100

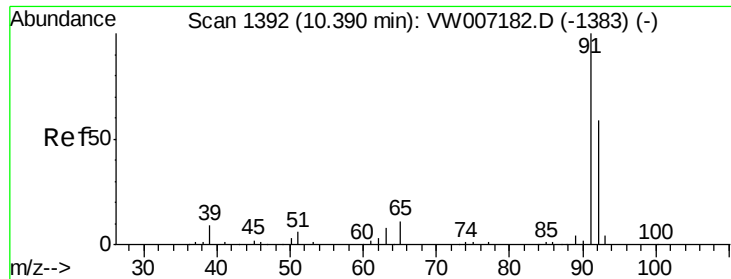
100 67.9 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 6.801 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW007244.D

Acq: 05 Dec 2018 20:53

Instrument :

MSVOA_W

ClientSampleId :

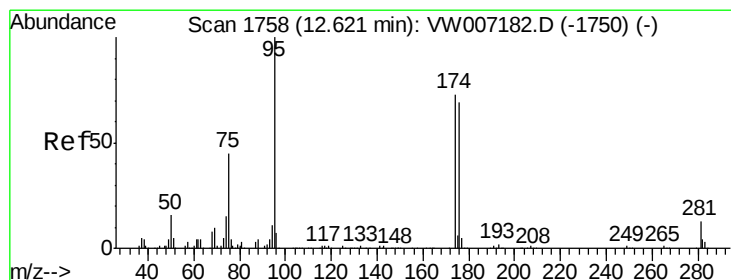
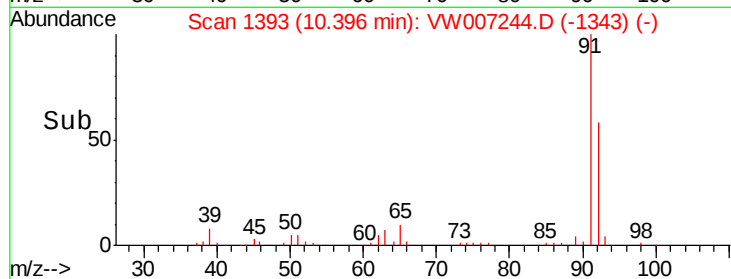
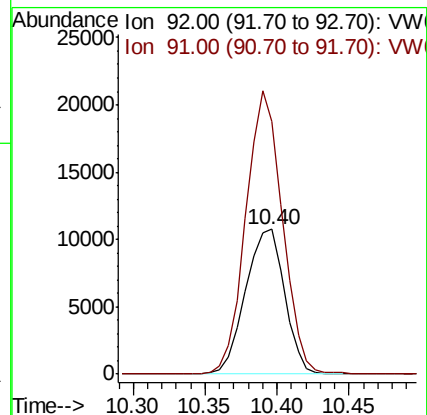
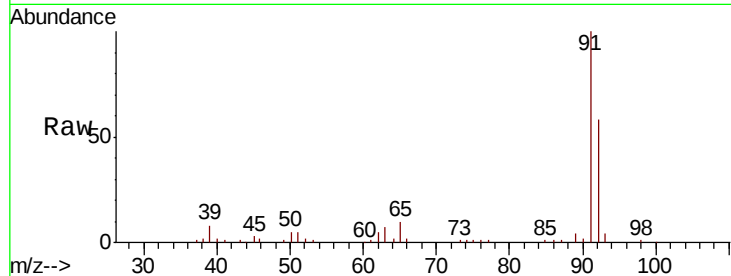
HLSP-SB-3A-(1)RE

Tot Ion: 92 Resp: 20208

Ion Ratio Lower Upper

92 100

91 182.7 136.0 204.0



#62

4-Bromofluorobenzene

Concen: 21.571 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007244.D

Acq: 05 Dec 2018 20:53

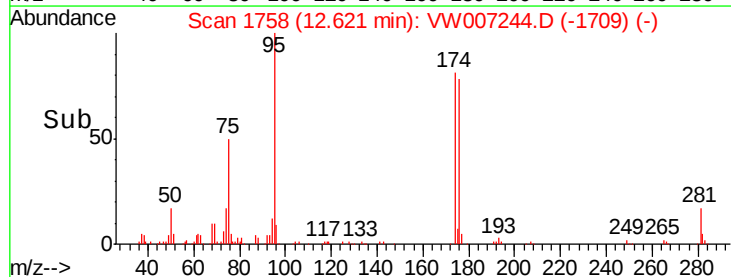
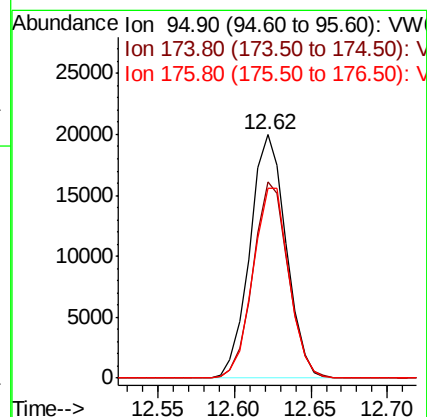
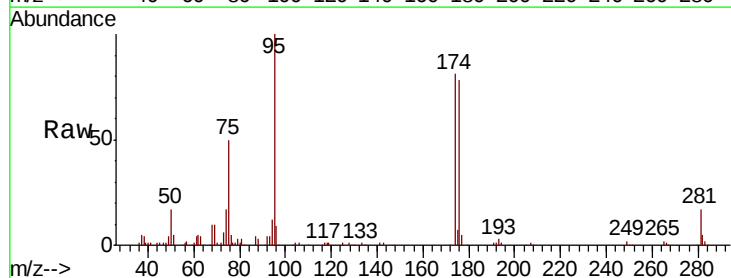
Tgt Ion: 95 Resp: 32876

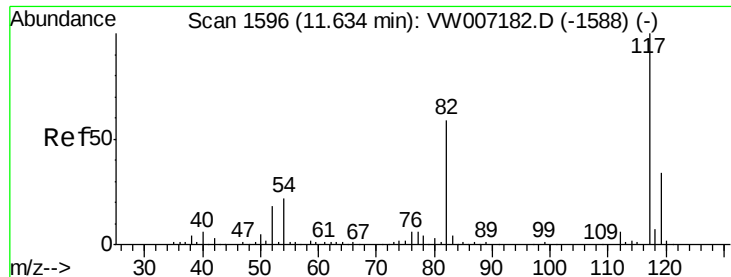
Ion Ratio Lower Upper

95 100

174 78.5 0.0 148.0

176 78.0 0.0 139.4

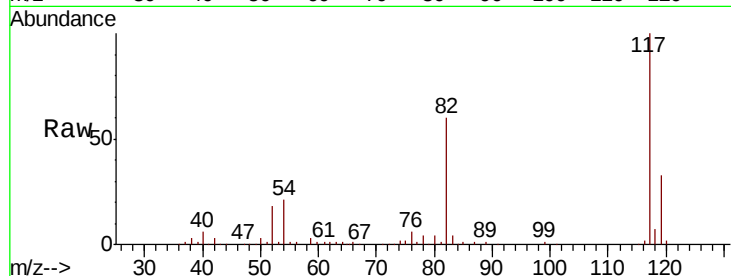




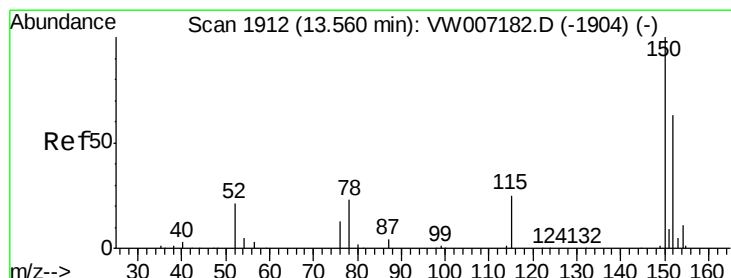
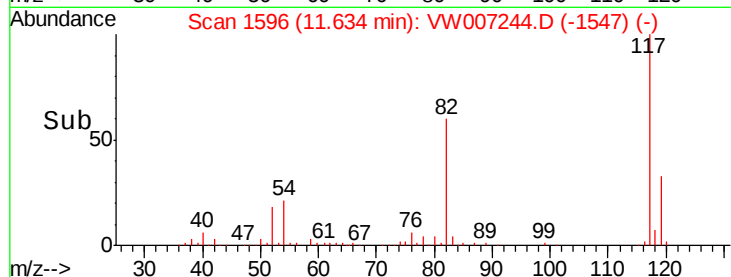
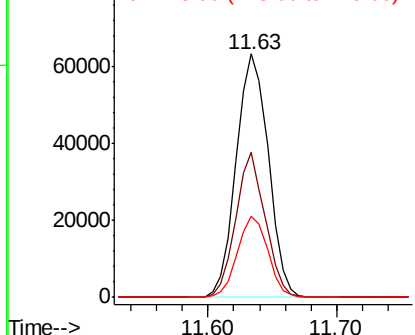
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007244.D
Acq: 05 Dec 2018 20:53

Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-3A-(1)RE

Tot Ion:117 Resp: 109842
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.2
119 33.5 26.8 40.2

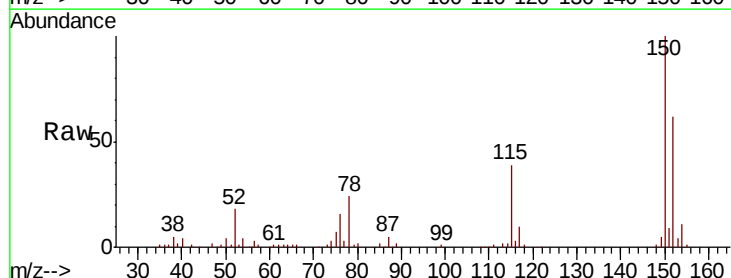


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

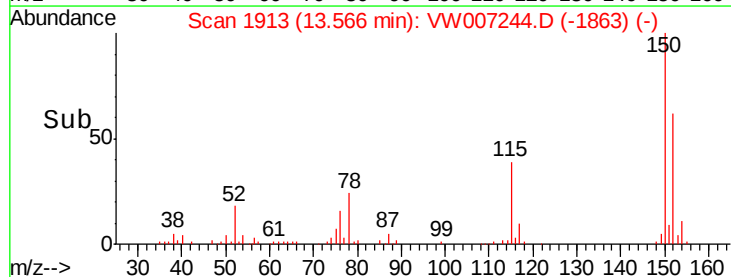
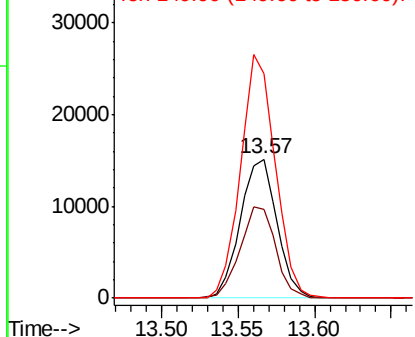


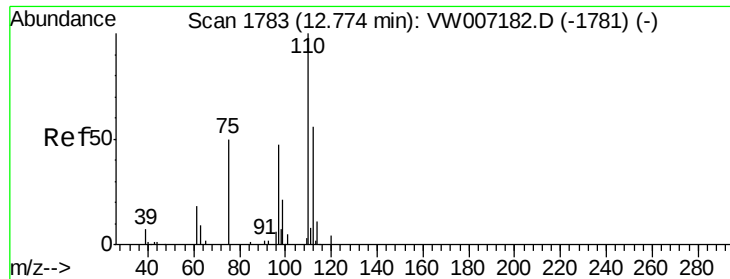
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW007244.D
Acq: 05 Dec 2018 20:53

Tgt Ion:152 Resp: 25070
Ion Ratio Lower Upper
152 100
115 63.9 31.3 93.8
150 166.8 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

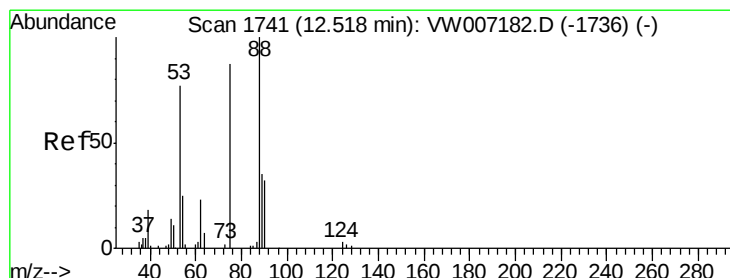
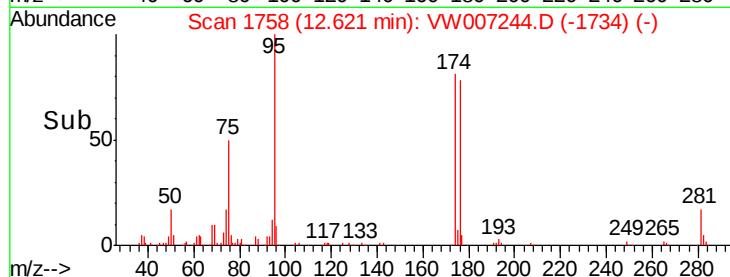
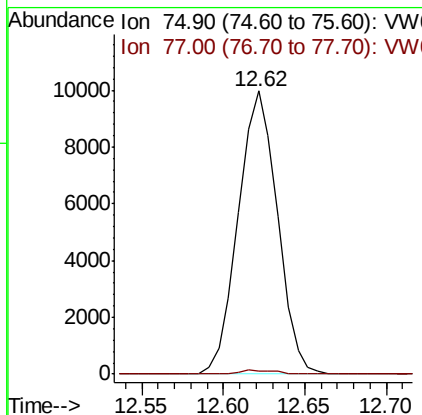
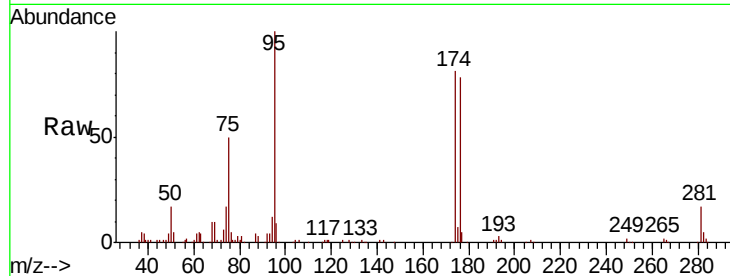




#76
 1,2,3-Trichloropropane
 Concen: 85.865 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW007244.D
 Acq: 05 Dec 2018 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-3A-(1)RE

Tot Ion: 75 Resp: 16668
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 185.069 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW007244.D
 Acq: 05 Dec 2018 20:53

Tgt Ion: 75 Resp: 16668
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.8 109.2#
 89 0.0 36.4 54.6#

