

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120418\
 Data File : VW007213.D
 Acq On : 05 Dec 2018 04:25
 Operator : SY/AP
 Sample : J6206-16
 Misc : 3.88G/5ML/MSVOA W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

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

Quant Time: Dec 05 07:26:40 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	99235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	157845	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	104312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	25183	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	47481	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	
35) Dibromofluoromethane	7.88	113	46219	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
50) Toluene-d8	10.33	98	152051	38.19	ug/l	0.00
Spiked Amount			Recovery	=	76.38%	
62) 4-Bromofluorobenzene	12.62	95	37422	24.90	ug/l	0.00
Spiked Amount			Recovery	=	49.80%	

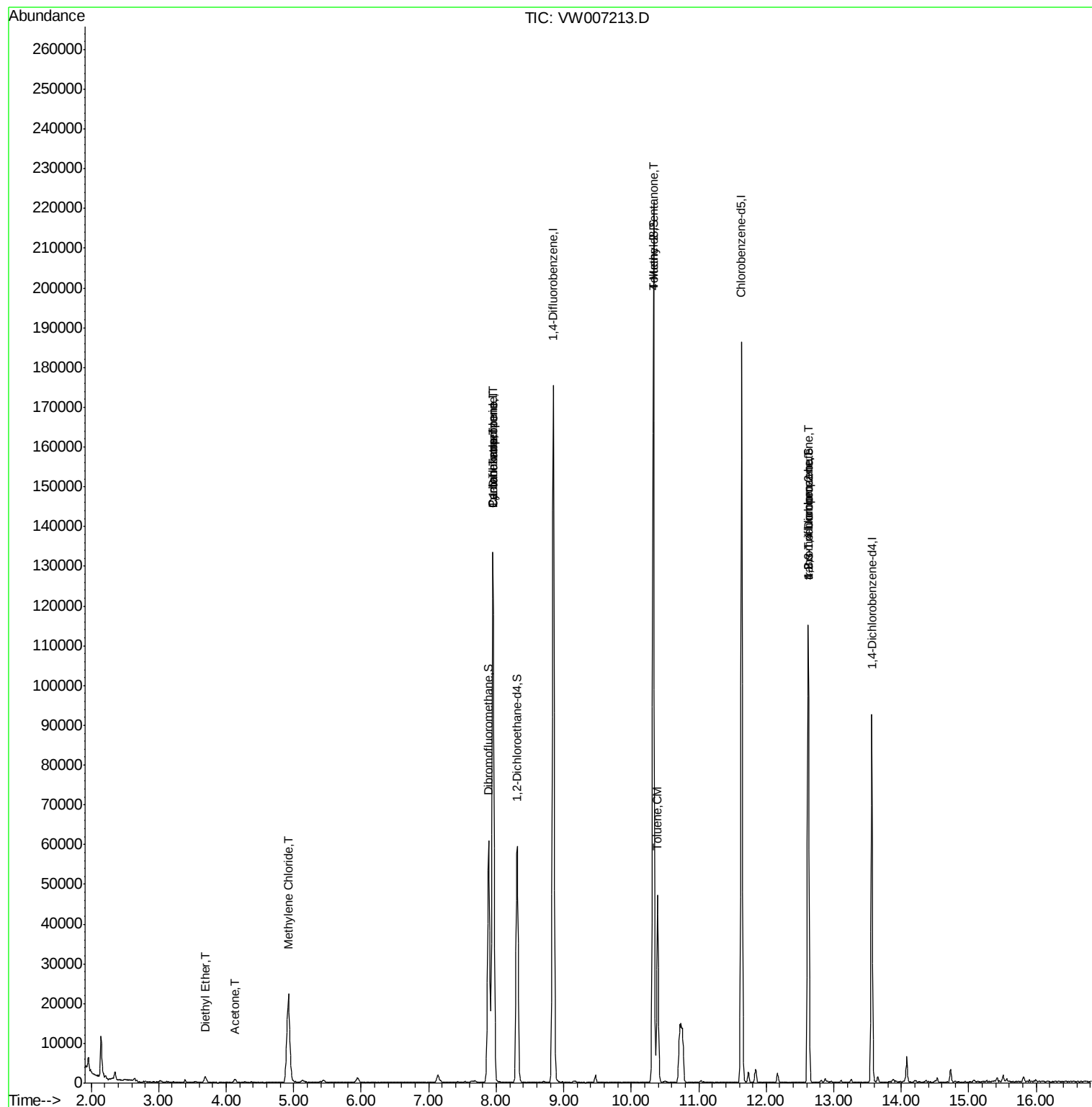
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	823	1.759	ug/l	95
11) Tert butyl alcohol	5.15	59	301	Below Cal	#	75
16) Acetone	4.13	43	1636	7.480	ug/l	92
20) Methylene Chloride	4.92	84	17348	11.761	ug/l	97
31) Cyclohexane	7.95	56	1896	1.034	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	7153	4.657	ug/l #	51
38) Carbon Tetrachloride	7.95	117	9834	6.273	ug/l #	19
51) 4-Methyl-2-Pentanone	10.32	43	703	1.322	ug/l #	1
52) Toluene	10.39	92	21155	7.221	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	18015	47.603	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	18015	199.128	ug/l #	13

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

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ClientSampleId :
HLSP-SB-3A-(1)

Quant Time: Dec 05 07:26:40 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: VW007213.D

Acq: 05 Dec 2018 04:25

Instrument :

MSVOA_W

ClientSampleId :

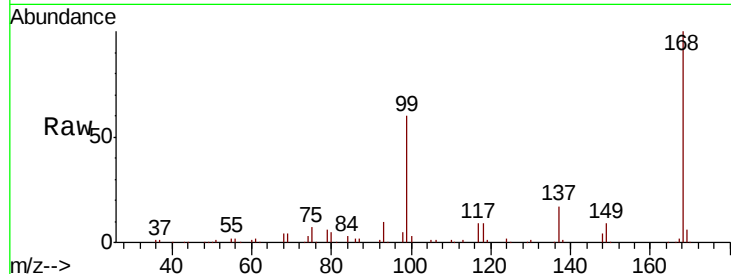
HLSP-SB-3A-(1)

Tot Ion:168 Resp: 99235

Ion Ratio Lower Upper

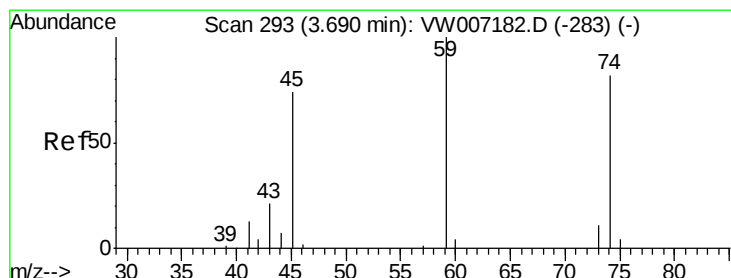
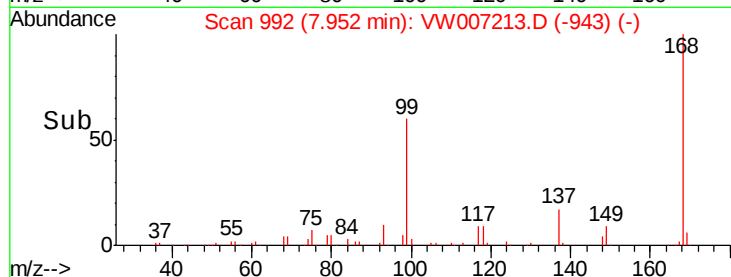
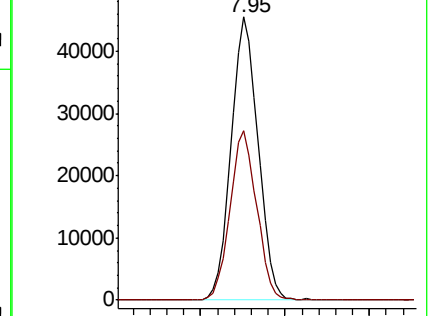
168 100

99 60.0 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: 1.759 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.01 min

Lab File: VW007213.D

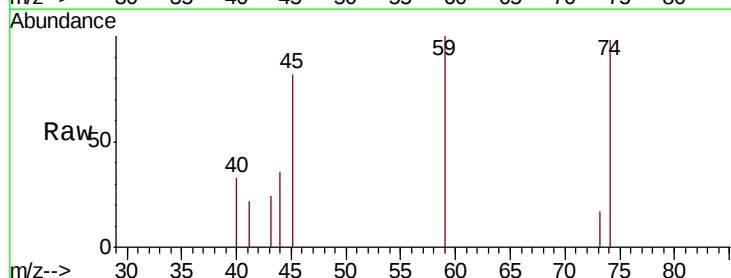
Acq: 05 Dec 2018 04:25

Tgt Ion: 74 Resp: 823

Ion Ratio Lower Upper

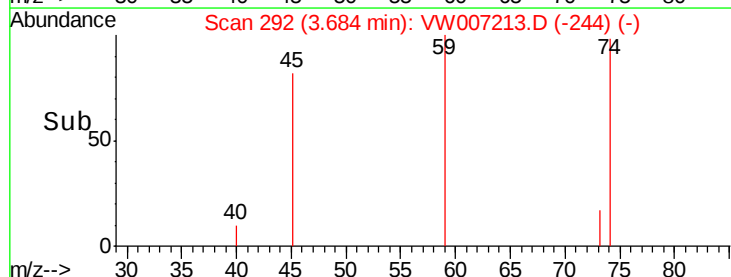
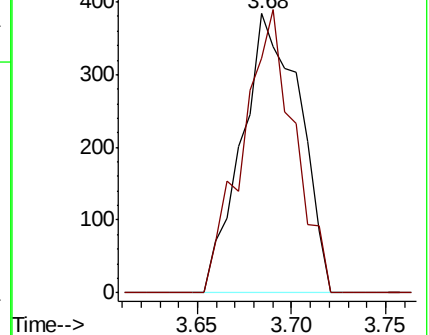
74 100

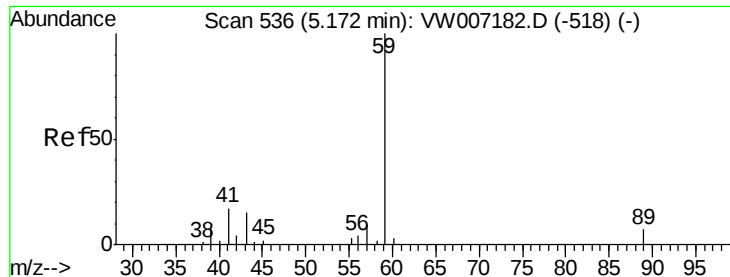
45 89.7 47.2 141.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



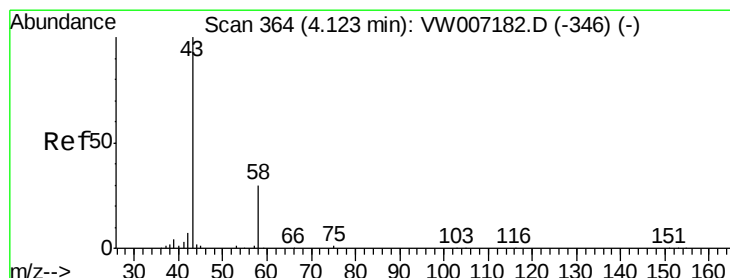
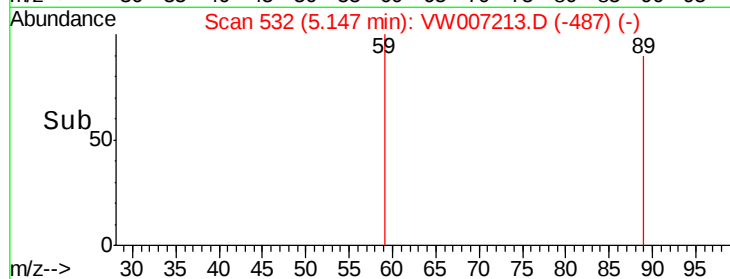
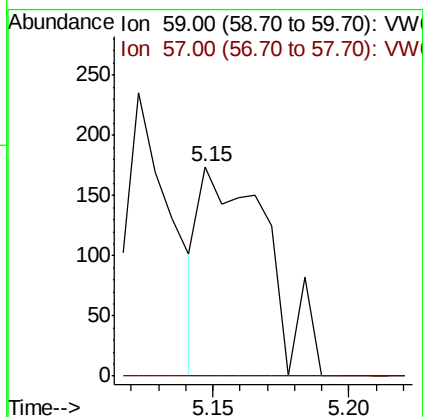
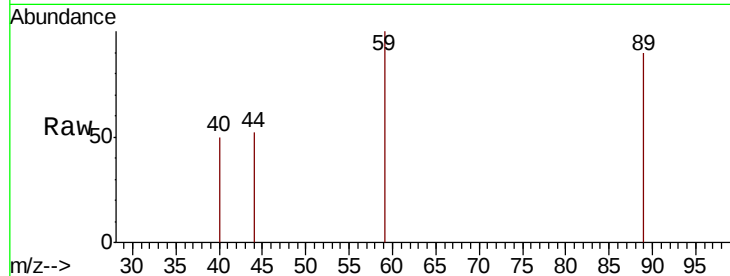


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.15 min Scan# 532
 Delta R.T. -0.02 min
 Lab File: VW007213.D
 Acq: 05 Dec 2018 04:25

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

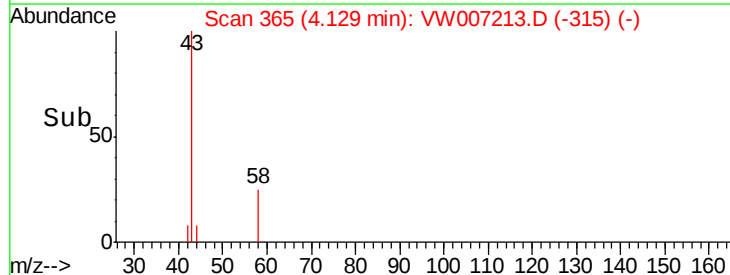
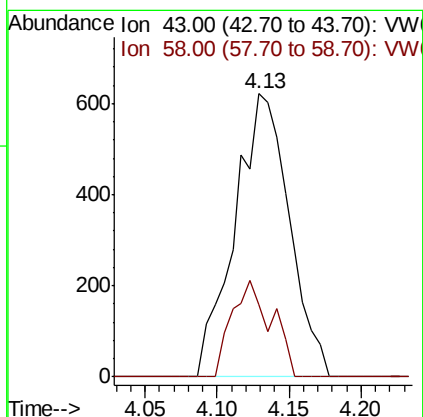
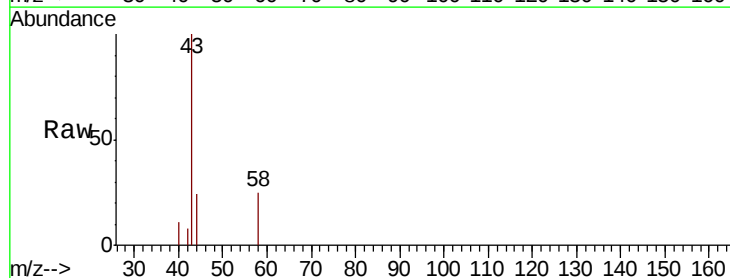
Tot Ion: 59 Resp: 301
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.1 10.7#

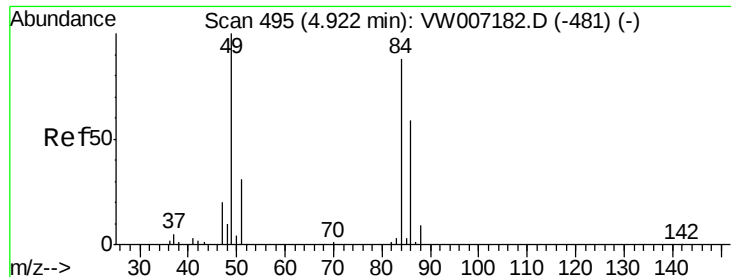


#16

Acetone
 Concen: 7.480 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW007213.D
 Acq: 05 Dec 2018 04:25

Tgt Ion: 43 Resp: 1636
 Ion Ratio Lower Upper
 43 100
 58 25.2 23.8 35.8

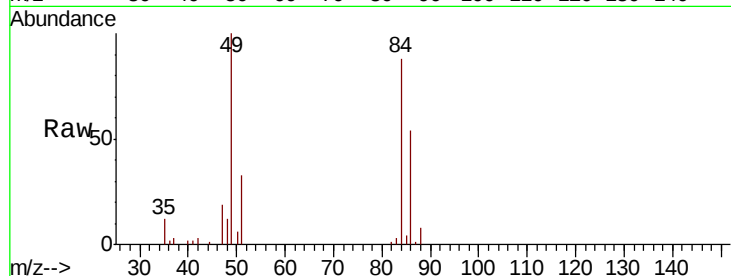




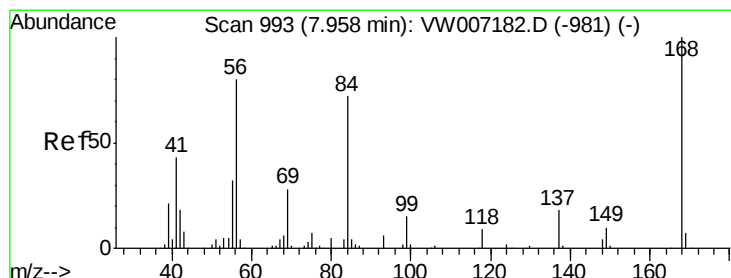
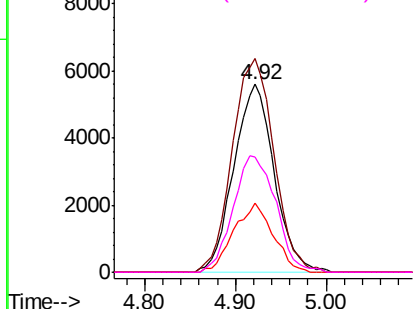
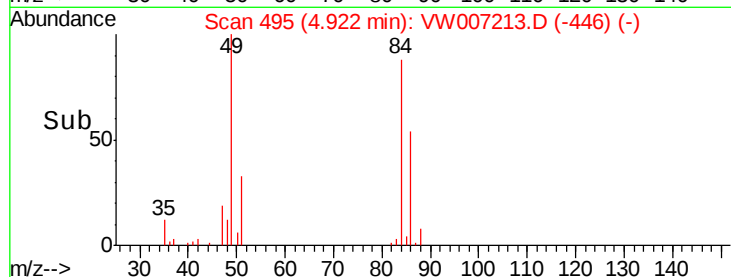
#20
Methvlene Chloride
Concen: 11.761 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW007213.D
Acq: 05 Dec 2018 04:25

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

Tot Ion: 84 Resp: 17348
Ion Ratio Lower Upper
84 100
49 113.6 90.6 135.8
51 37.1 27.6 41.4
86 61.3 53.7 80.5

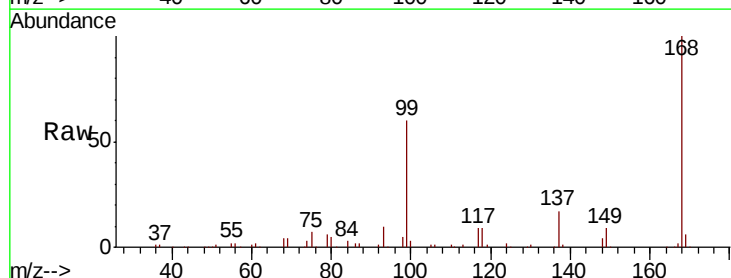


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

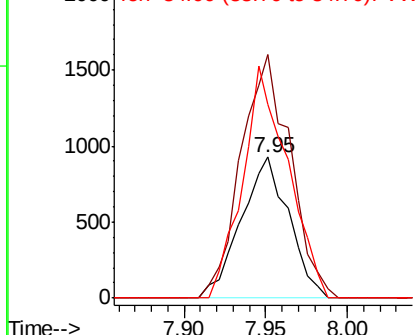
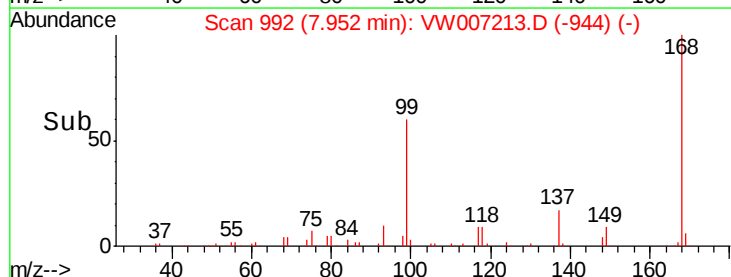


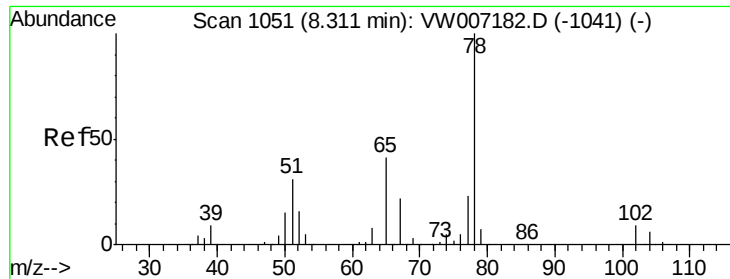
#31
Cyclohexane
Concen: 1.034 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW007213.D
Acq: 05 Dec 2018 04:25

Tgt Ion: 56 Resp: 1896
Ion Ratio Lower Upper
56 100
69 172.4 28.2 42.2#
84 137.1 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

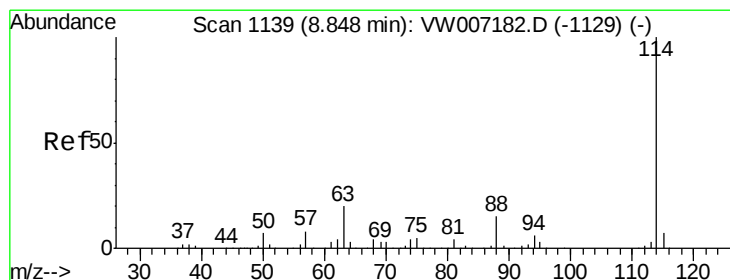
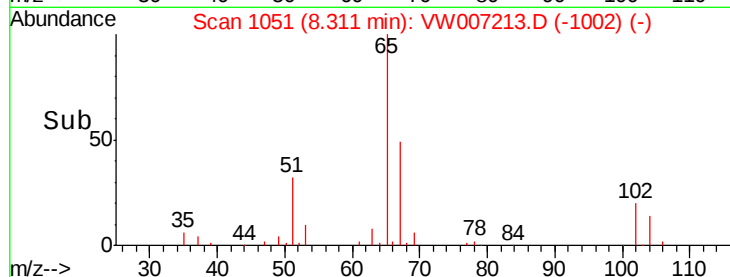
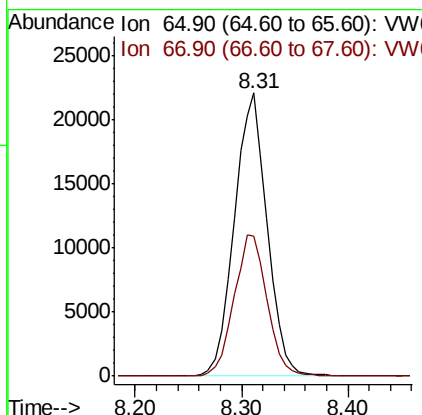
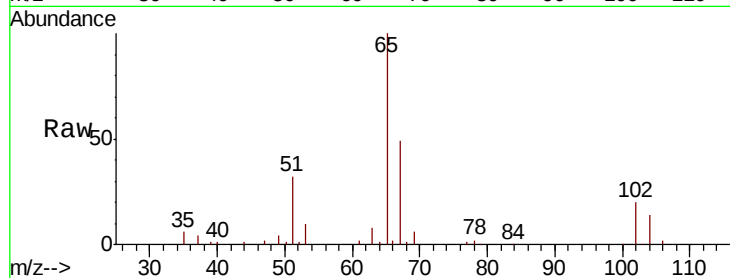




#33
 1,2-Dichloroethane-d4
 Concen: 51.391 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW007213.D
 Acq: 05 Dec 2018 04:25

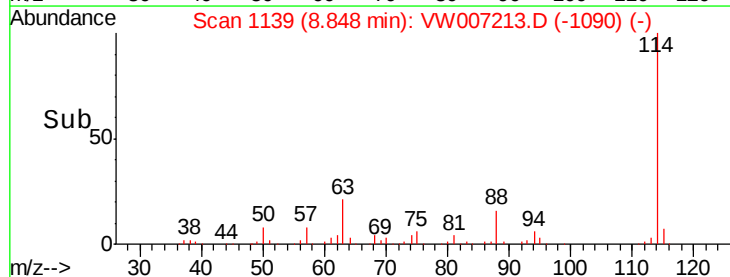
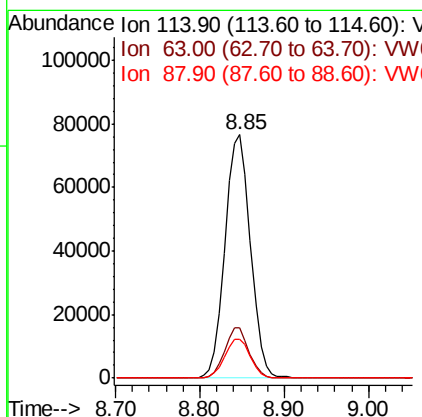
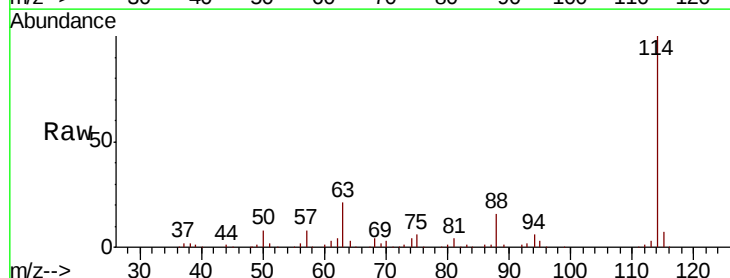
Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-3A-(1)

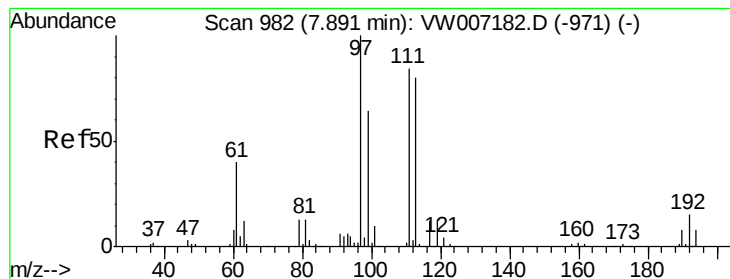
Tot Ion: 65 Resp: 47481
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW007213.D
 Acq: 05 Dec 2018 04:25

Tgt Ion: 114 Resp: 157845
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.2
 88 15.9 0.0 30.0





#35

Dibromofluoromethane

Concen: 51.138 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW007213.D

Acq: 05 Dec 2018 04:25

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-3A-(1)

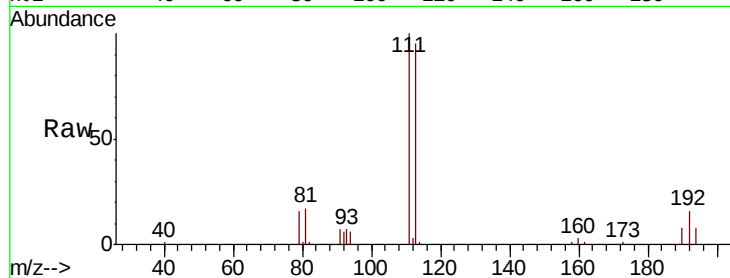
Tot Ion:113 Resp: 46219

Ion Ratio Lower Upper

113 100

111 101.4 82.2 123.4

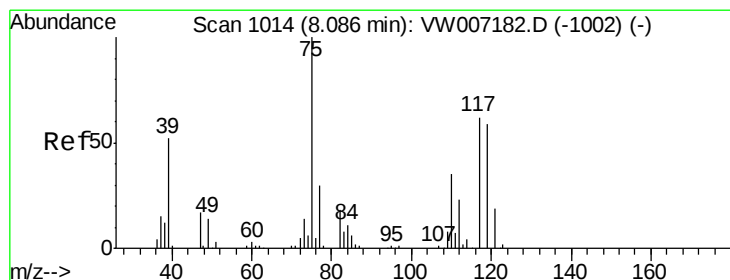
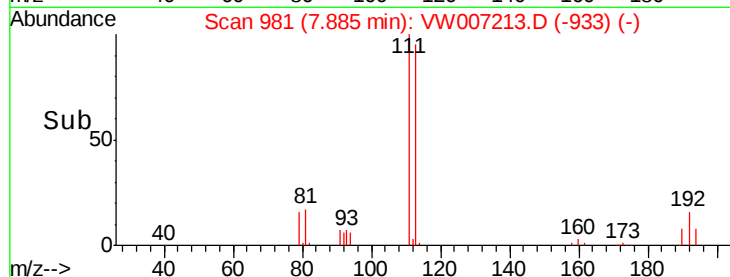
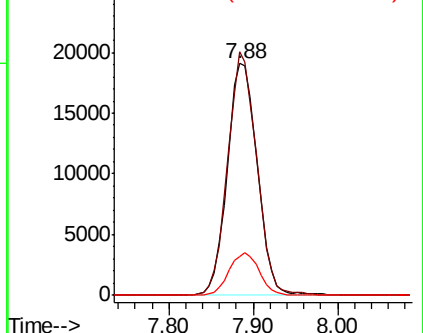
192 18.2 14.4 21.6



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: 4.657 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW007213.D

Acq: 05 Dec 2018 04:25

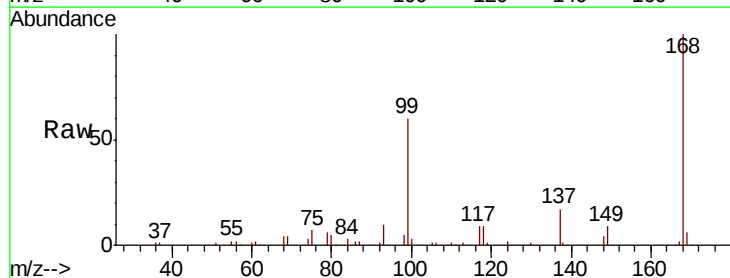
Tgt Ion: 75 Resp: 7153

Ion Ratio Lower Upper

75 100

110 11.2 18.3 54.9#

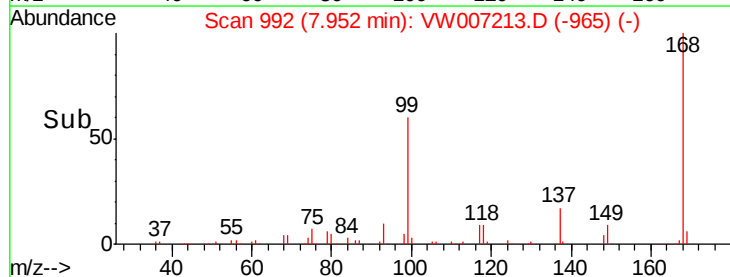
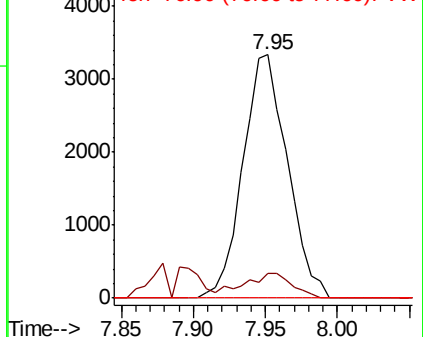
77 0.0 24.9 37.3#

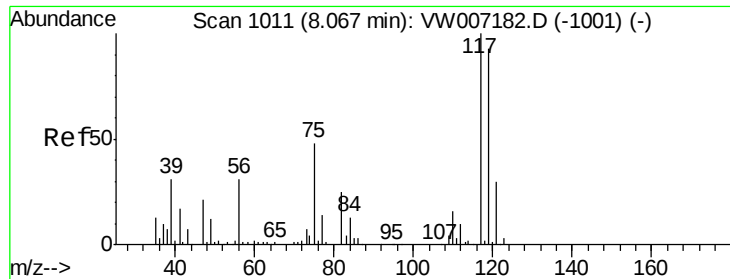


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

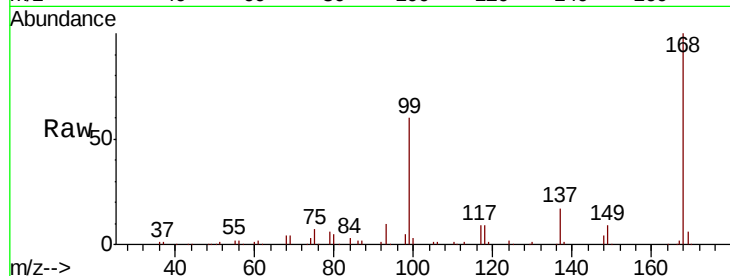




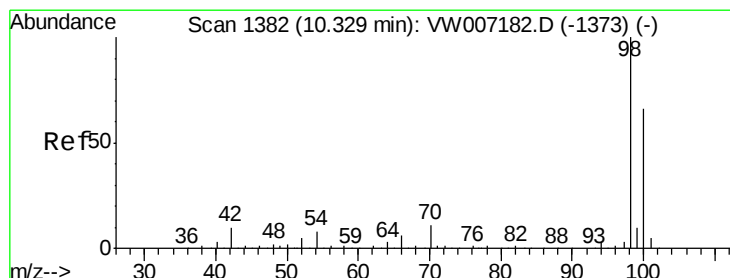
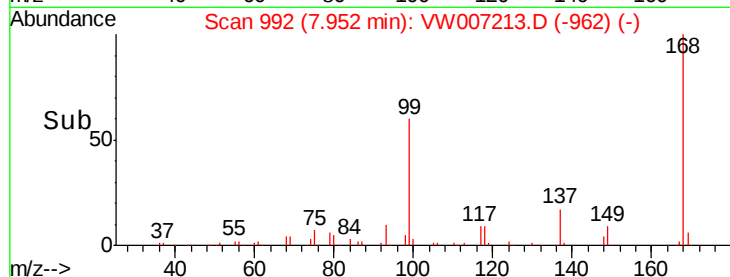
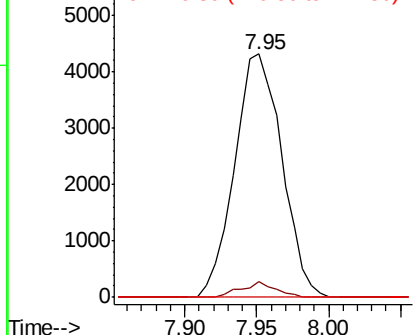
#38
Carbon Tetrachloride
Concen: 6.273 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007213.D
Acq: 05 Dec 2018 04:25

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

Tot Ion:117 Resp: 9834
Ion Ratio Lower Upper
117 100
119 6.6 74.1 111.1#
121 0.0 23.9 35.9#

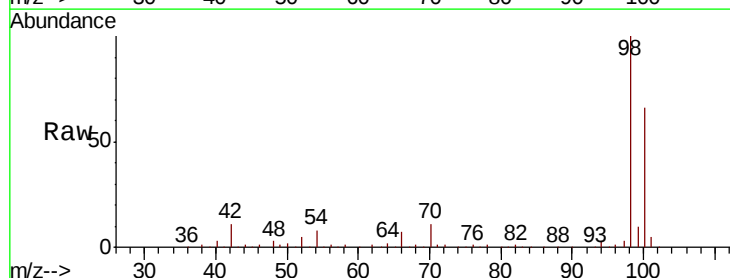


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

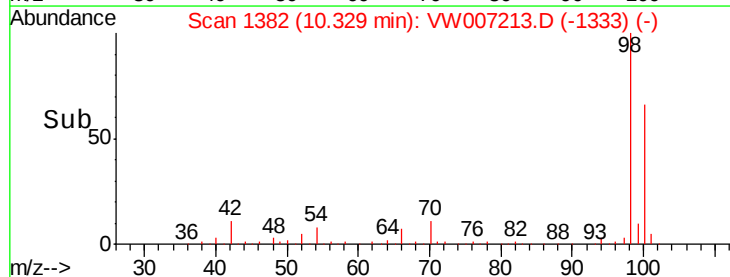
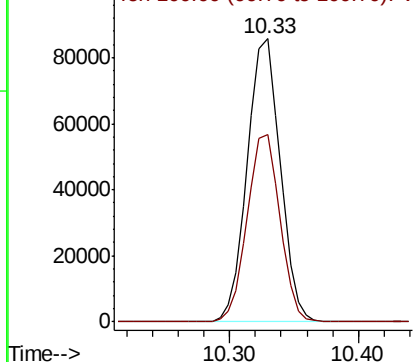


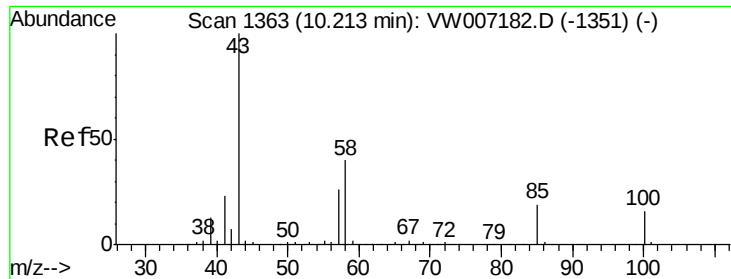
#50
Toluene-d8
Concen: 38.191 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW007213.D
Acq: 05 Dec 2018 04:25

Tgt Ion: 98 Resp: 152051
Ion Ratio Lower Upper
98 100
100 65.9 52.7 79.1



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





#51

4-Methyl-2-Pentanone

Concen: 1.322 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW007213.D

Acq: 05 Dec 2018 04:25

Instrument :

MSVOA_W

ClientSampleId :

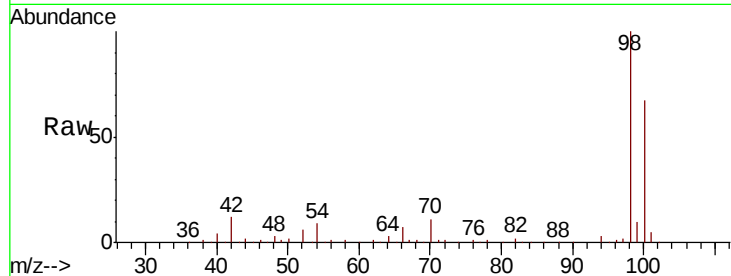
HLSP-SB-3A-(1)

Tot Ion: 43 Resp: 703

Ion Ratio Lower Upper

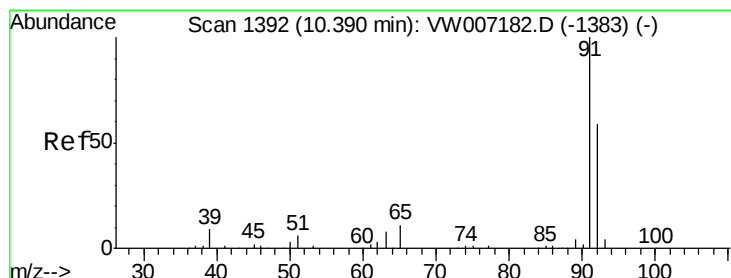
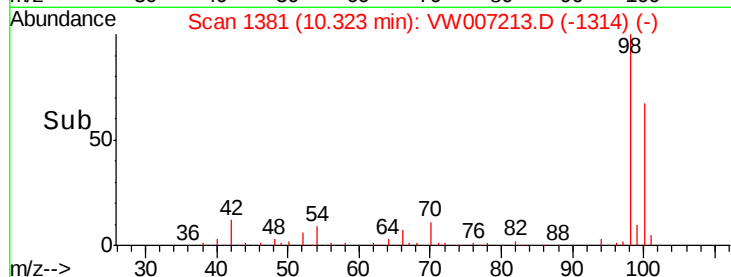
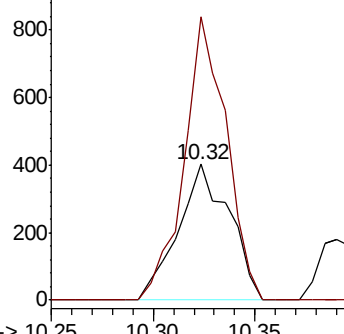
43 100

58 172.0 32.3 48.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 7.221 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007213.D

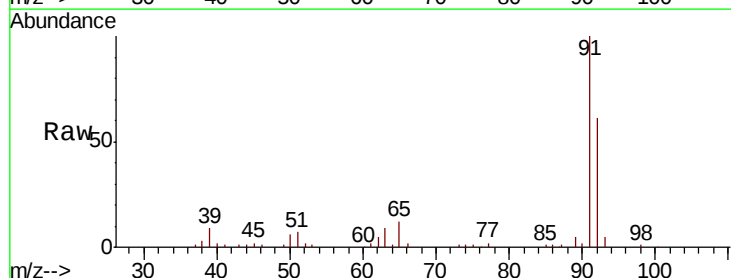
Acq: 05 Dec 2018 04:25

Tgt Ion: 92 Resp: 21155

Ion Ratio Lower Upper

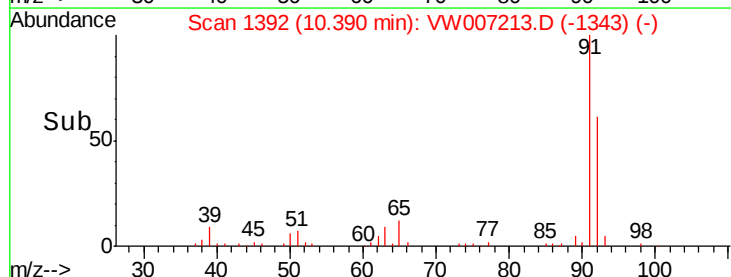
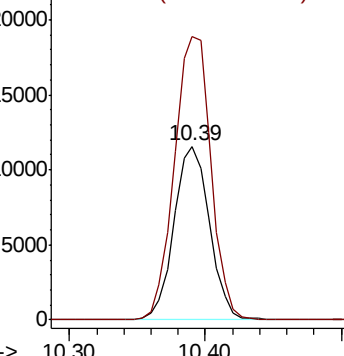
92 100

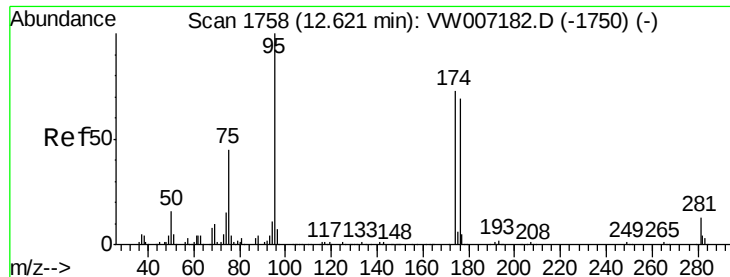
91 168.0 136.0 204.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

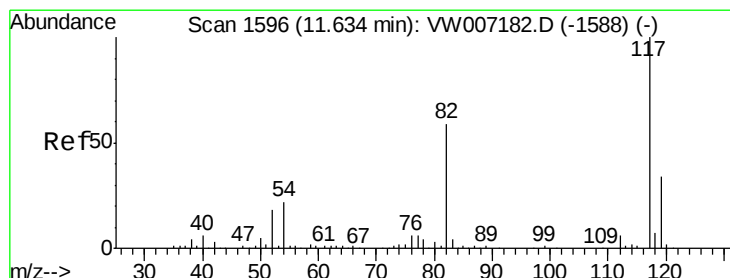
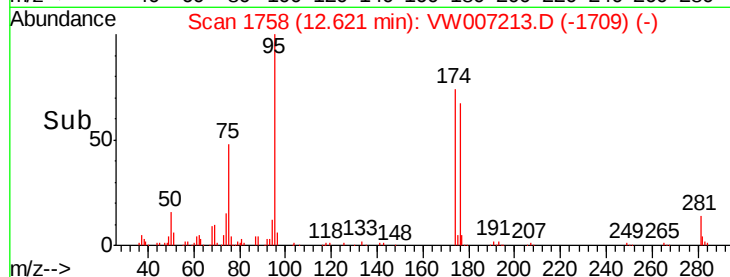
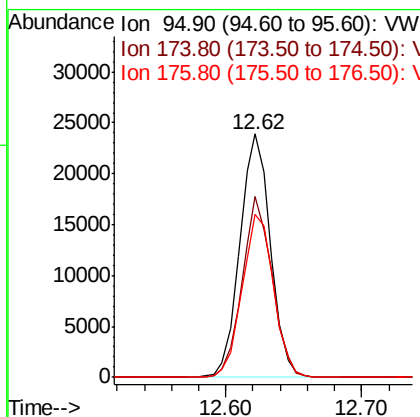
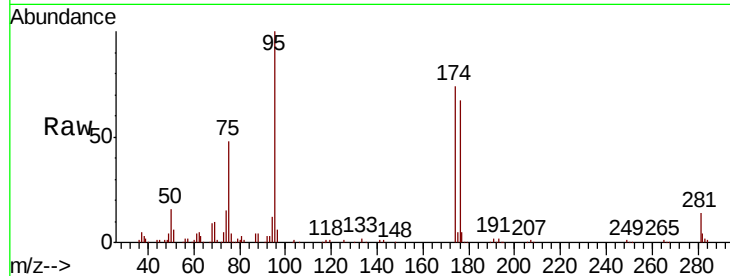




#62
4-Bromofluorobenzene
Concen: 24.903 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW007213.D
Acq: 05 Dec 2018 04:25

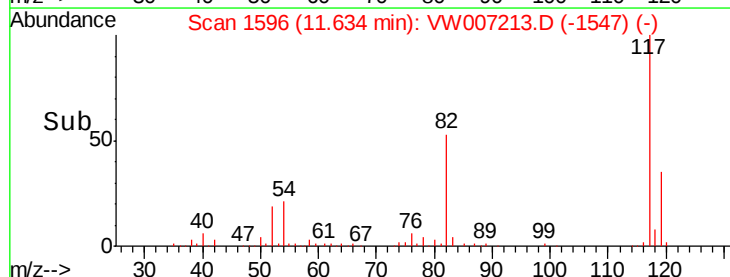
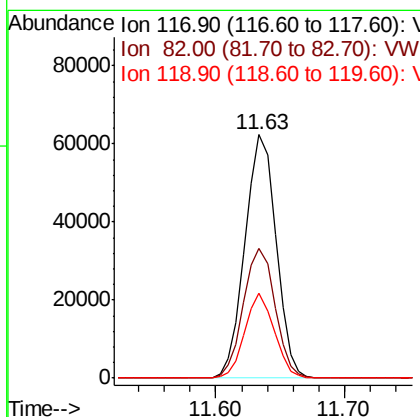
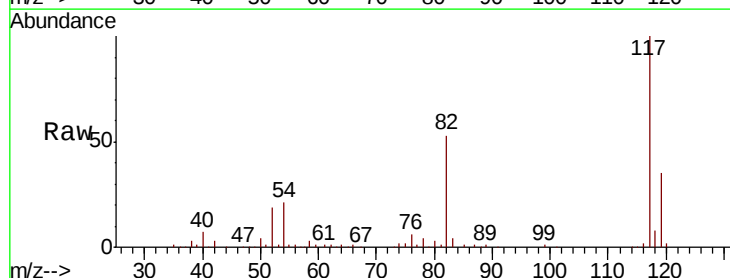
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-3A-(1)

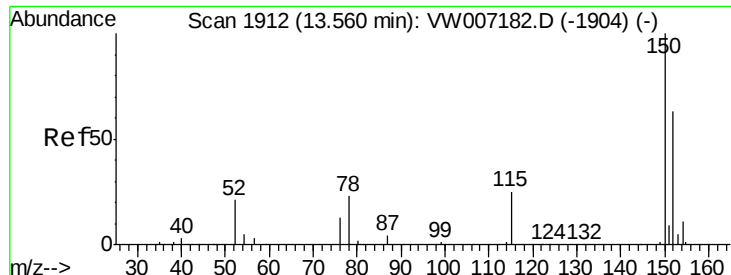
Tot Ion: 95 Resp: 37422
Ion Ratio Lower Upper
95 100
174 72.4 0.0 148.0
176 68.9 0.0 139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007213.D
Acq: 05 Dec 2018 04:25

Tgt Ion: 117 Resp: 104312
Ion Ratio Lower Upper
117 100
82 53.3 47.4 71.2
119 34.6 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: VW007213.D

Acq: 05 Dec 2018 04:25

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-3A-(1)

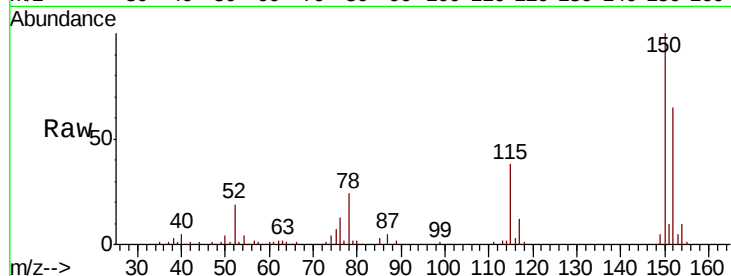
Tot Ion:152 Resp: 25183

Ion Ratio Lower Upper

152 100

115 60.9 31.3 93.8

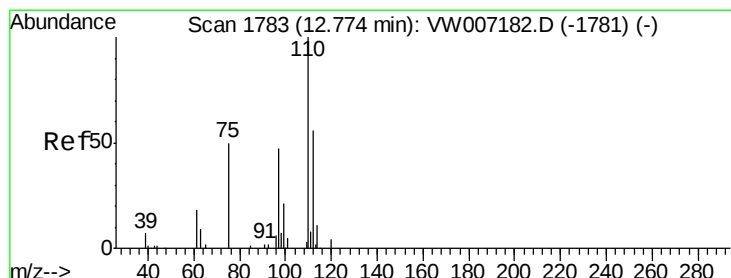
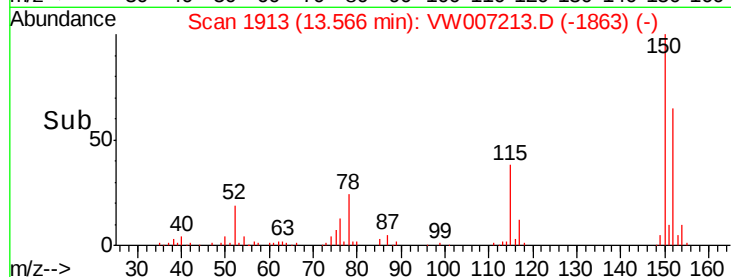
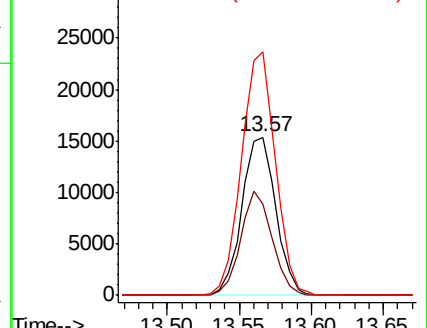
150 153.3 0.0 358.0



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: 47.603 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007213.D

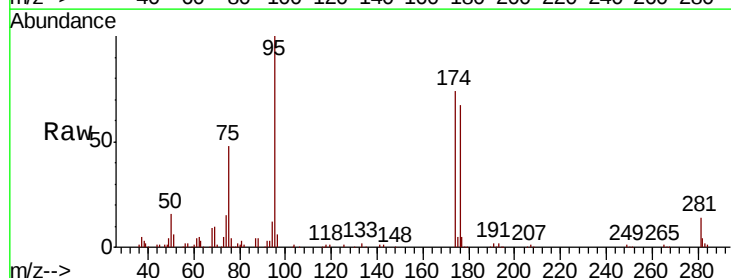
Acq: 05 Dec 2018 04:25

Tgt Ion: 75 Resp: 18015

Ion Ratio Lower Upper

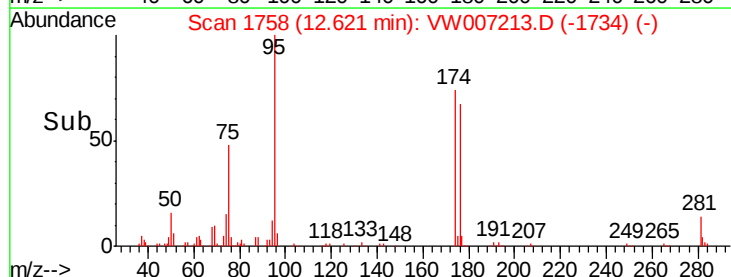
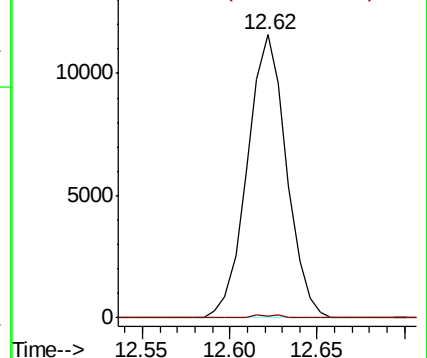
75 100

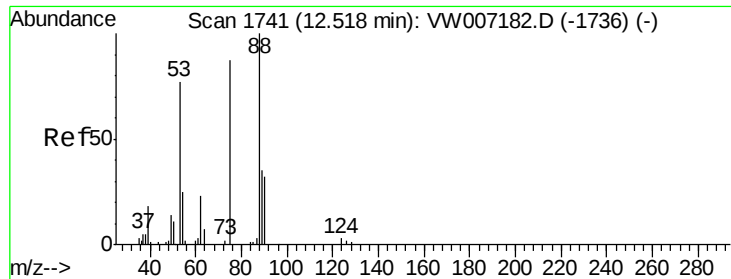
77 0.8 0.0 0.0#



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: 199.128 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007213.D

Acq: 05 Dec 2018 04:25

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-3A-(1)

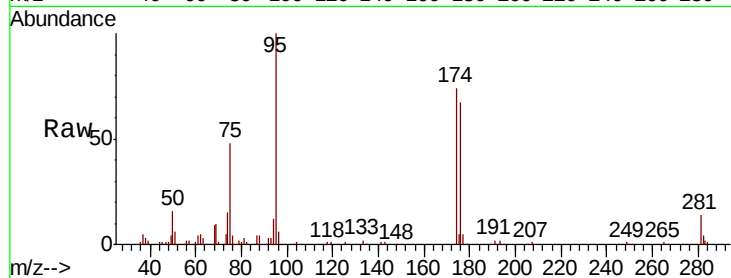
Tot Ion: 75 Resp: 18015

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

