

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120518\
 Data File : VW007235.D
 Acq On : 05 Dec 2018 17:03
 Operator : SY/AP
 Sample : J6204-05
 Misc : 5.19G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-2A-(1)

Quant Time: Dec 06 06:21:37 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	120971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	195311	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	182256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	84680	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	47003	41.73	ug/l	0.00
Spiked Amount			Recovery	=	83.46%	
35) Dibromofluoromethane	7.89	113	44385	39.69	ug/l	0.00
Spiked Amount			Recovery	=	79.38%	
50) Toluene-d8	10.33	98	187149	37.99	ug/l	0.00
Spiked Amount			Recovery	=	75.98%	
62) 4-Bromofluorobenzene	12.62	95	69923	37.61	ug/l	0.00
Spiked Amount			Recovery	=	75.22%	

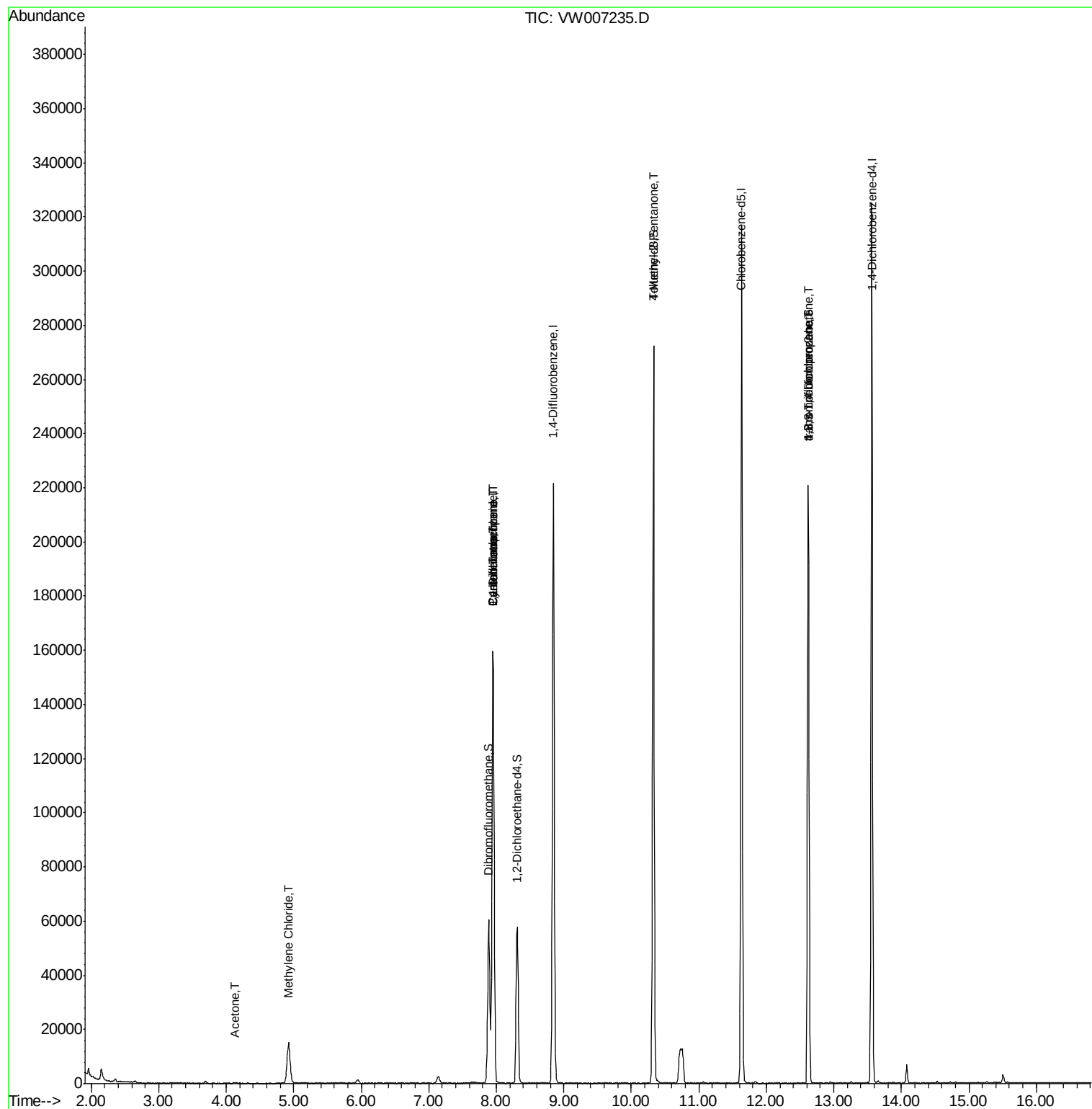
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	113	Below Cal	#	75
16) Acetone	4.13	43	577	2.164	ug/l #	45
20) Methylene Chloride	4.92	84	12501	4.571	ug/l	97
31) Cyclohexane	7.95	56	2324	1.040	ug/l #	21
36) 1,1-Dichloropropene	7.96	75	8959	4.714	ug/l #	50
38) Carbon Tetrachloride	7.95	117	12526	6.458	ug/l #	17
51) 4-Methyl-2-Pentanone	10.32	43	832	1.265	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	35877	54.717	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	35877	117.934	ug/l #	13

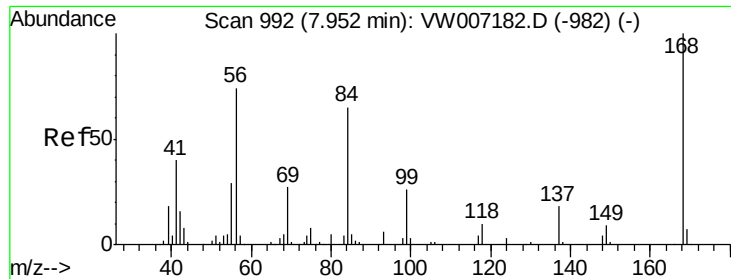
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW007235.D

Acq: 05 Dec 2018 17:03

Instrument :

MSVOA_W

ClientSampleId :

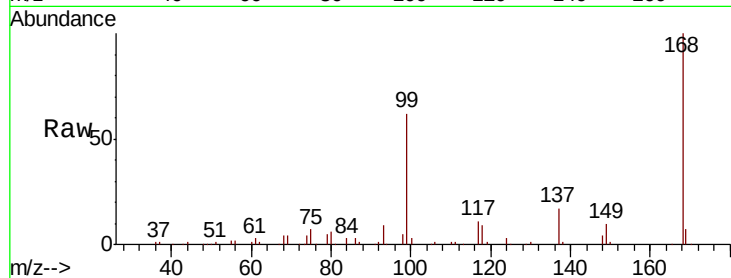
HLSP-SB-2A-(1)

Tot Ion:168 Resp: 120971

Ion Ratio Lower Upper

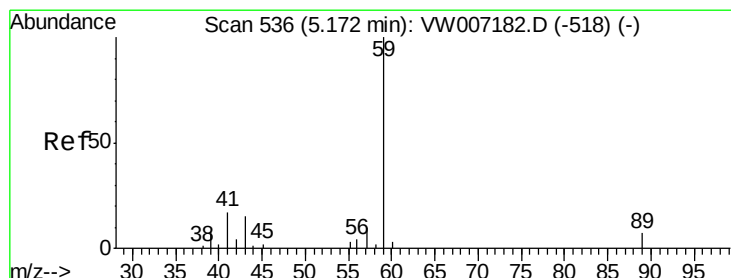
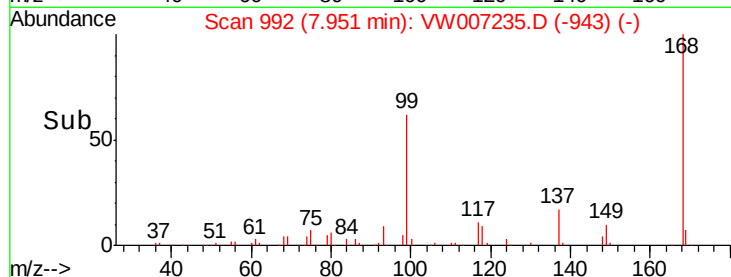
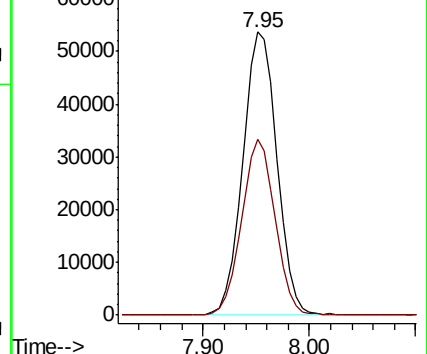
168 100

99 62.0 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: 5.15 min Scan# 533

Delta R.T. -0.02 min

Lab File: VW007235.D

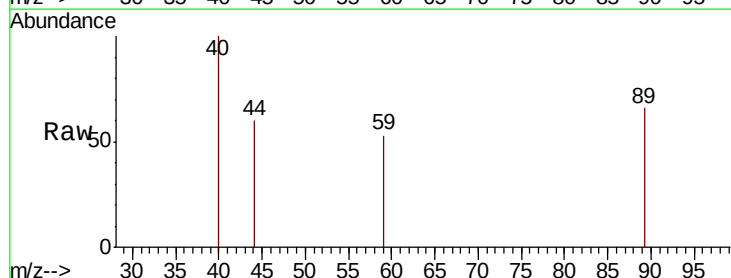
Acq: 05 Dec 2018 17:03

Tgt Ion: 59 Resp: 113

Ion Ratio Lower Upper

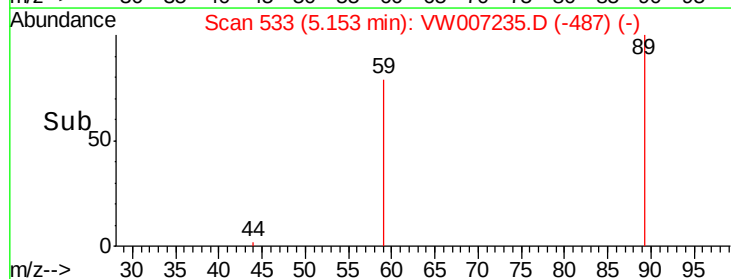
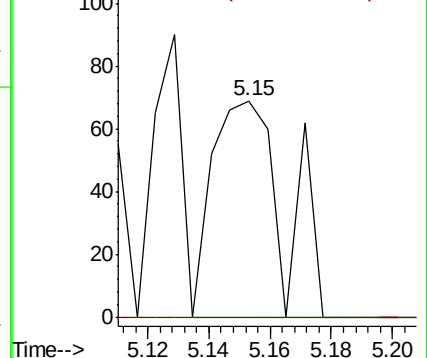
59 100

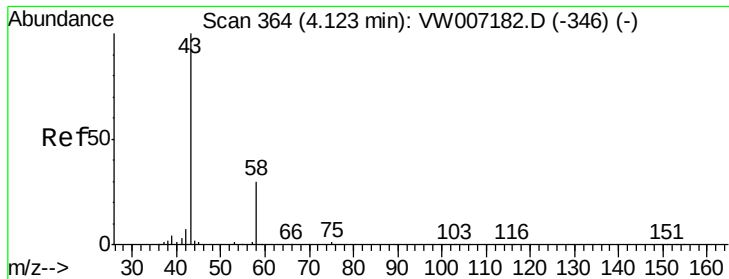
57 0.0 7.1 10.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 2.164 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW007235.D

Acq: 05 Dec 2018 17:03

Instrument :

MSVOA_W

ClientSampleId :

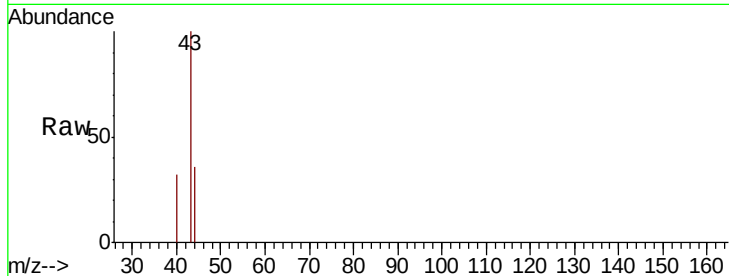
HLSP-SB-2A-(1)

Tot Ion: 43 Resp: 577

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

300

250

200

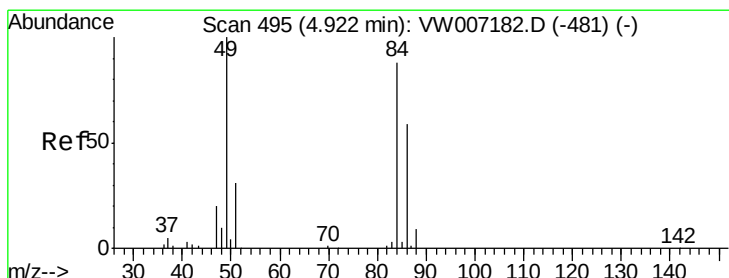
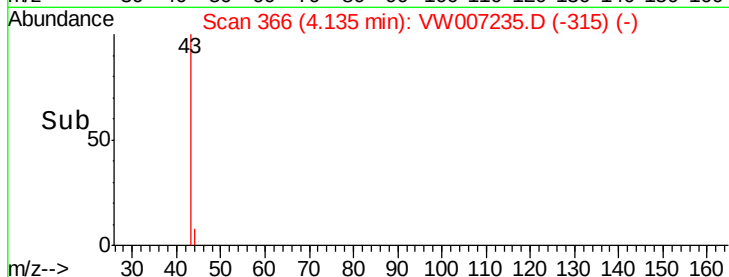
150

100

50

0

Time--> 4.05 4.10 4.15 4.20



#20

Methylene Chloride

Concen: 4.571 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW007235.D

Acq: 05 Dec 2018 17:03

Tgt Ion: 84 Resp: 12501

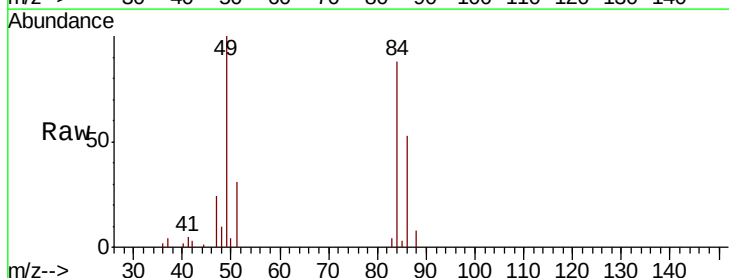
Ion Ratio Lower Upper

84 100

49 114.2 90.6 135.8

51 34.9 27.6 41.4

86 61.0 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

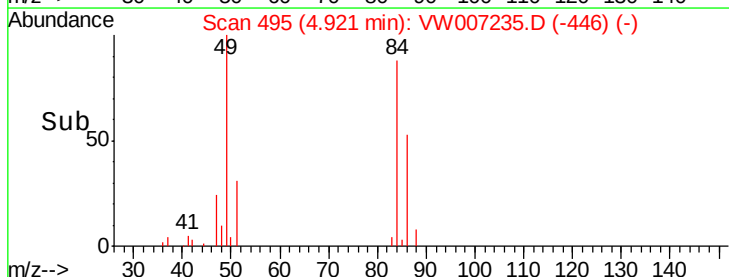
6000

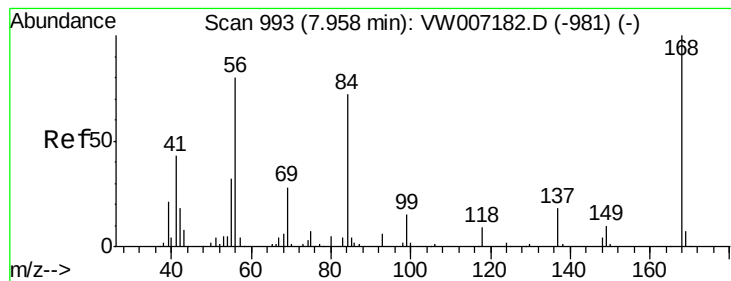
4000

2000

0

Time--> 4.80 4.90 5.00





#31

Cyclohexane

Concen: 1.040 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007235.D

Acq: 05 Dec 2018 17:03

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-2A-(1)

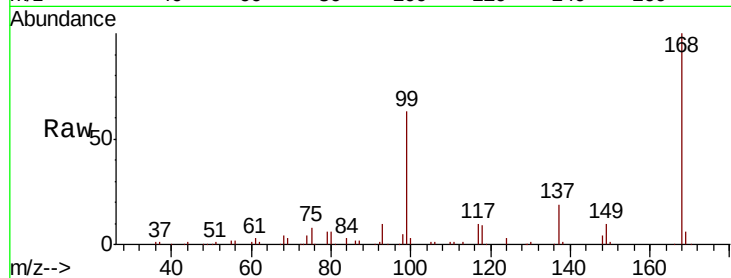
Tot Ion: 56 Resp: 2324

Ion Ratio Lower Upper

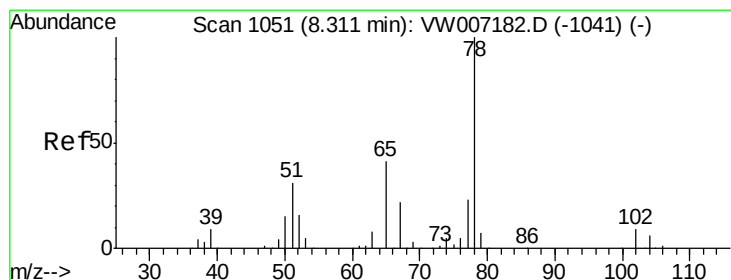
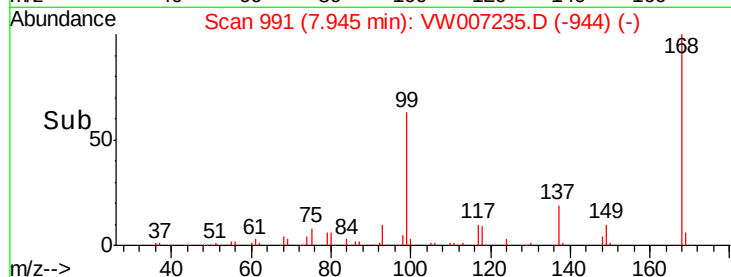
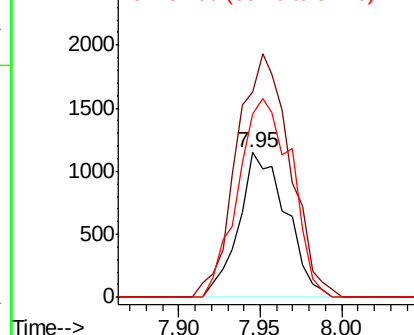
56 100

69 141.9 28.2 42.2#

84 126.2 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: 41.733 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW007235.D

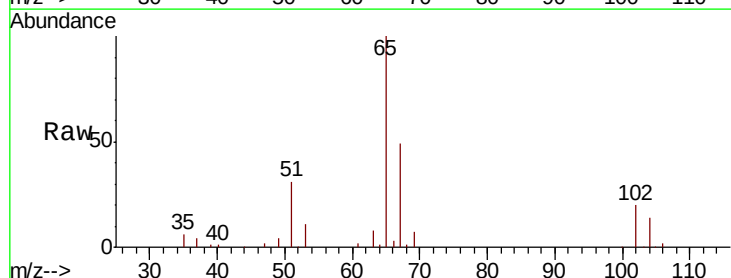
Acq: 05 Dec 2018 17:03

Tgt Ion: 65 Resp: 47003

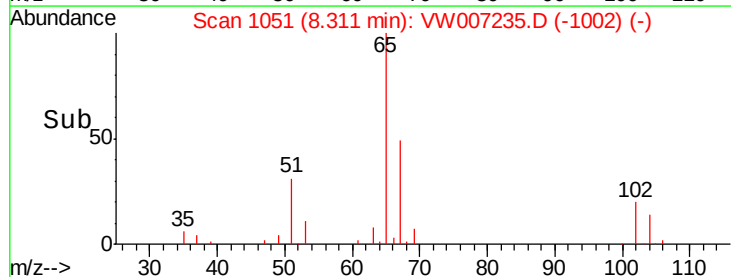
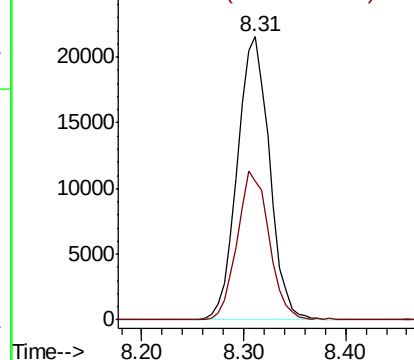
Ion Ratio Lower Upper

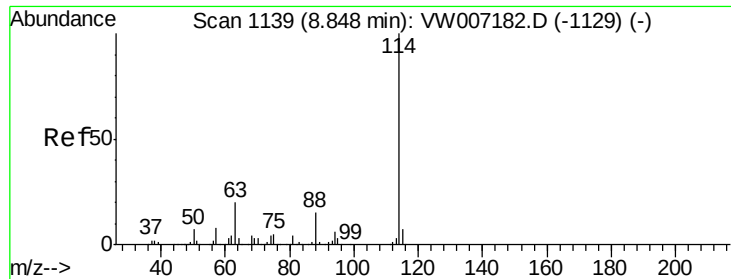
65 100

67 52.4 0.0 106.4



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

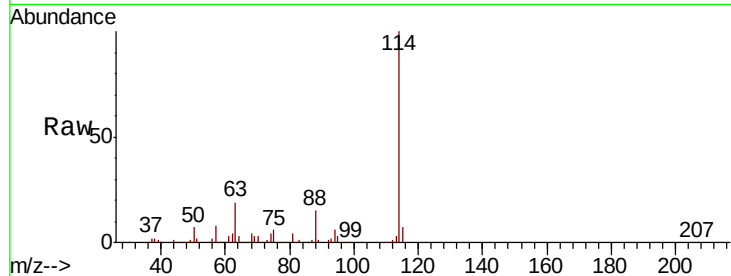




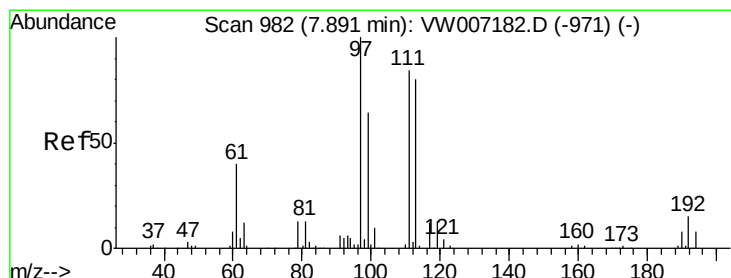
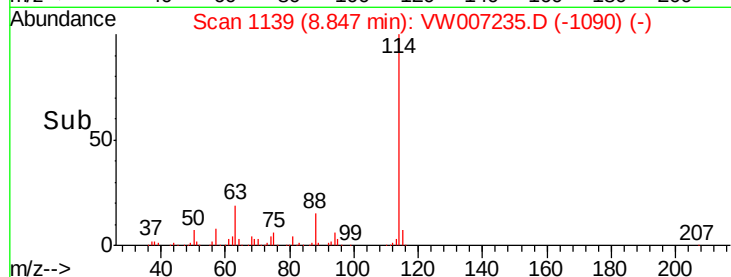
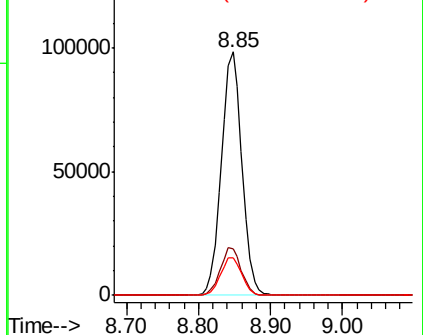
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007235.D
 Acq: 05 Dec 2018 17:03

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Tot Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	40.2
88	15.5	0.0	30.0

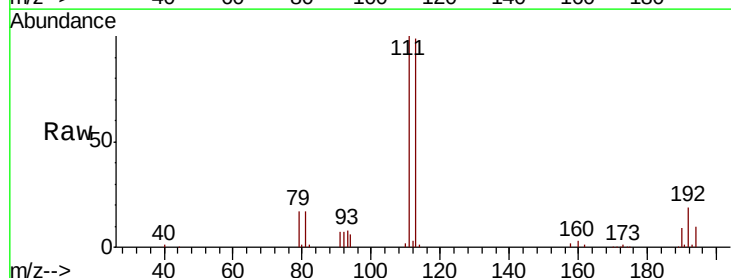


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

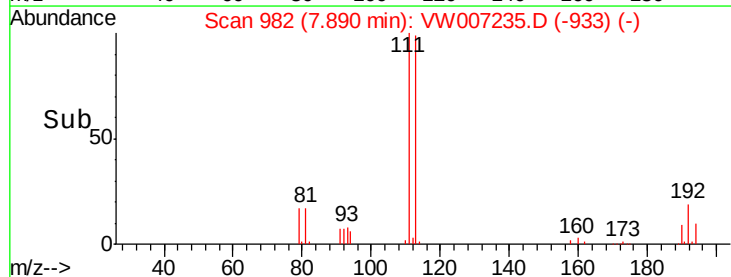
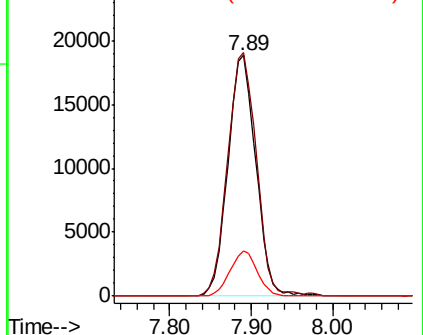


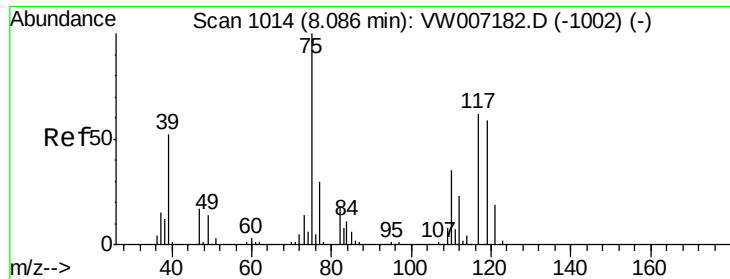
#35
 Dibromofluoromethane
 Concen: 39.688 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW007235.D
 Acq: 05 Dec 2018 17:03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	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

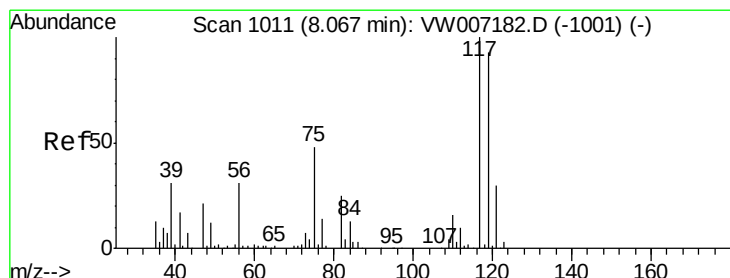
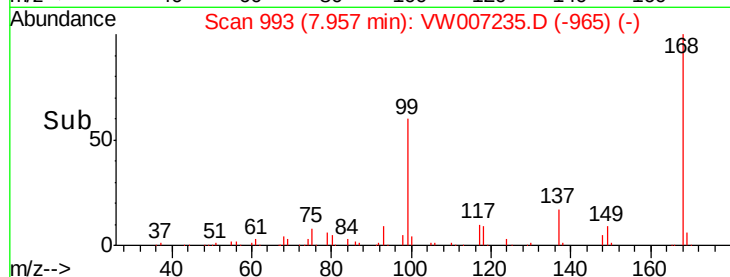
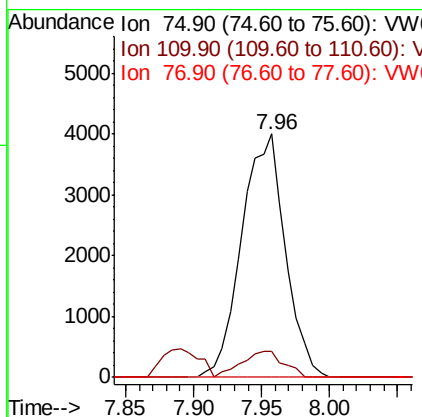
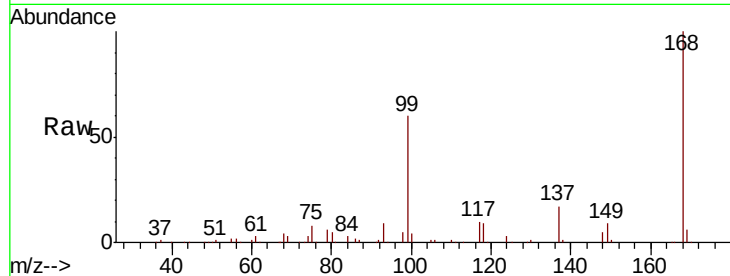




#36
 1,1-Dichloropropene
 Concen: 4.714 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW007235.D
 Acq: 05 Dec 2018 17:03

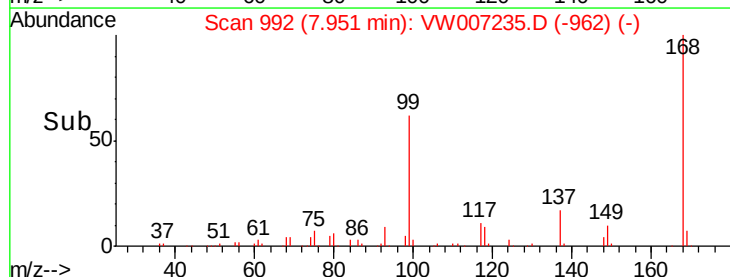
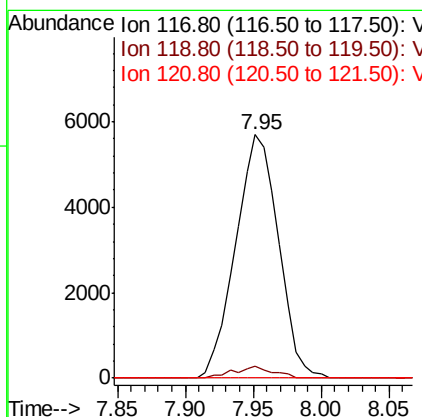
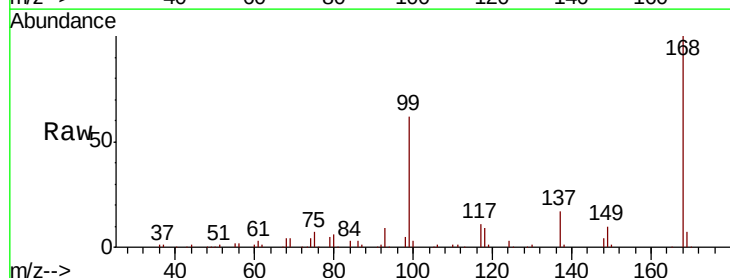
Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-2A-(1)

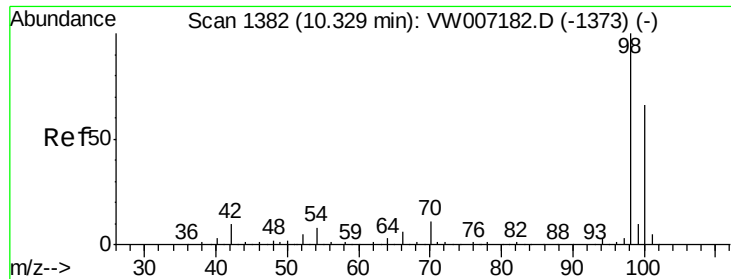
Tot Ion	75	Resp	8959
Ion Ratio	Lower	Upper	
75	100		
110	10.1	18.3	54.9#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.458 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW007235.D
 Acq: 05 Dec 2018 17:03

Tgt Ion	117	Resp	12526
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	4.9	74.1	111.1#
121	0.0	23.9	35.9#

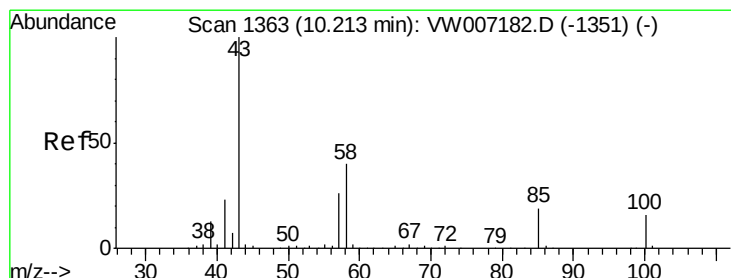
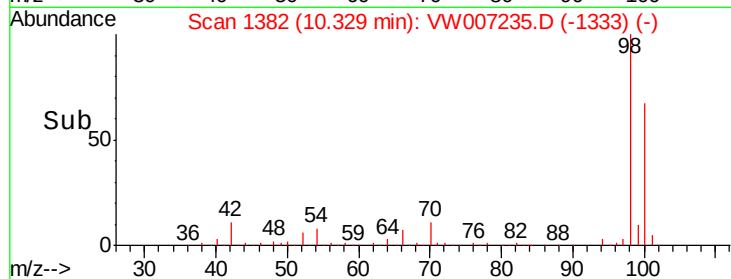
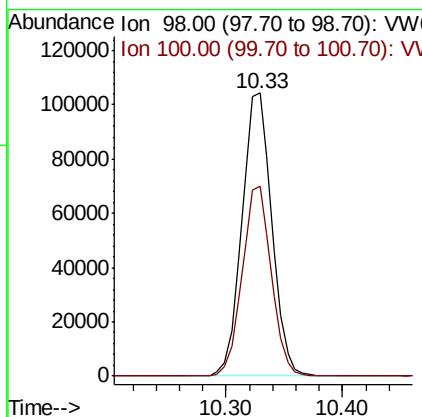
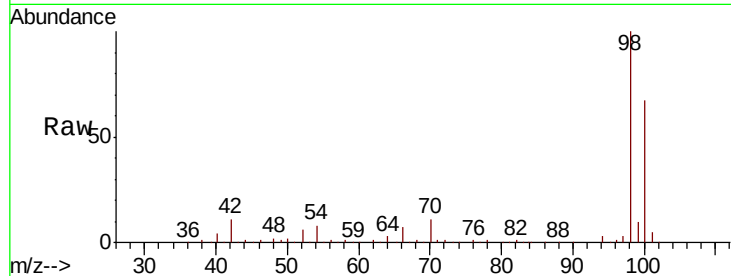




#50
Toluene-d8
Concen: 37.990 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW007235.D
Acq: 05 Dec 2018 17:03

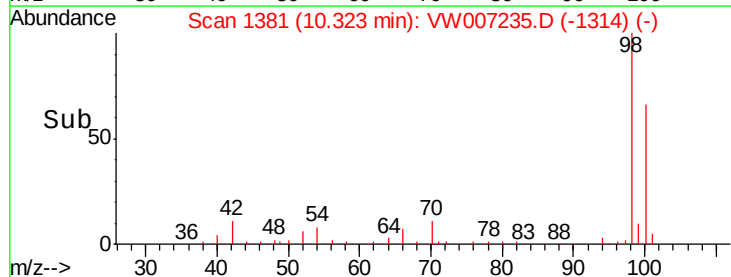
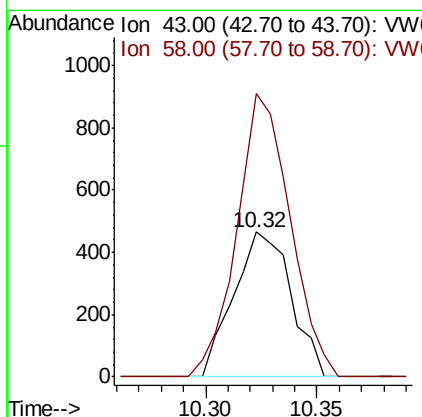
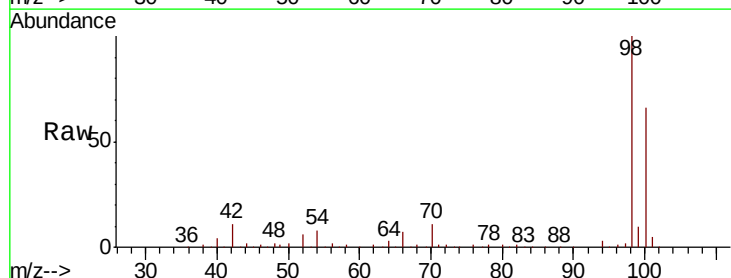
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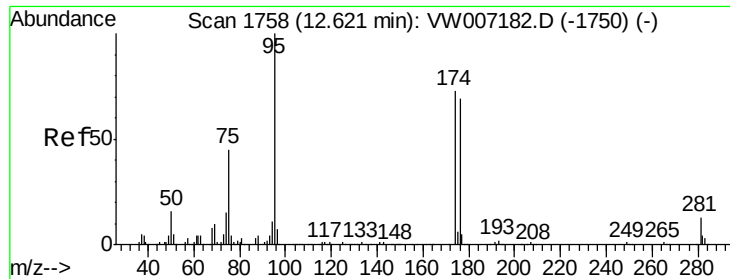
Tot Ion: 98 Resp: 187149
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.265 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.11 min
Lab File: VW007235.D
Acq: 05 Dec 2018 17:03

Tgt Ion: 43 Resp: 832
Ion Ratio Lower Upper
43 100
58 182.1 32.3 48.5#

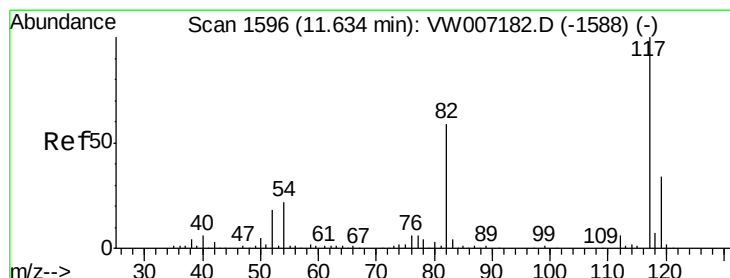
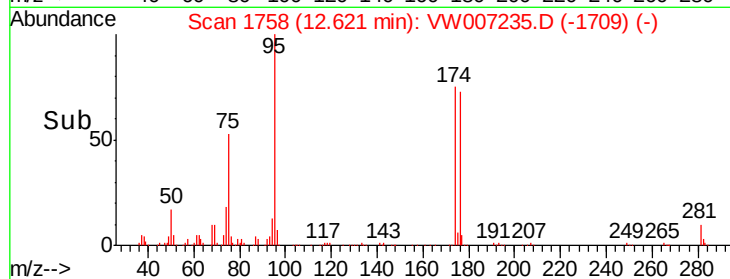
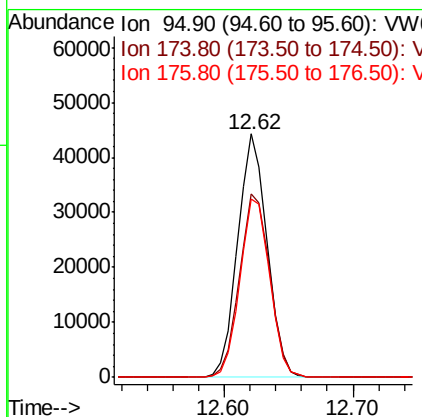
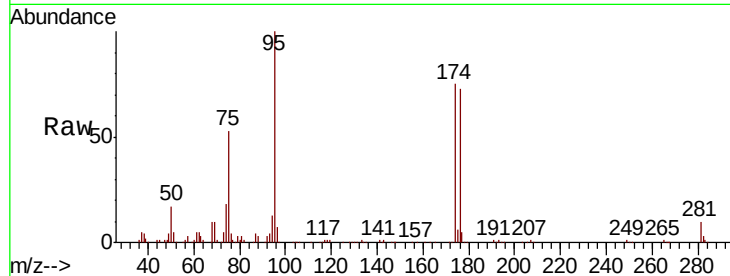




#62
4-Bromofluorobenzene
Concen: 37.605 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007235.D
Acq: 05 Dec 2018 17:03

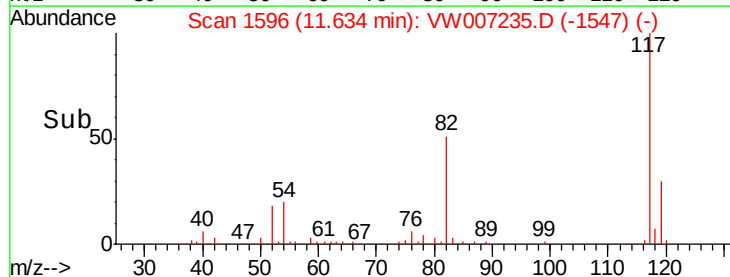
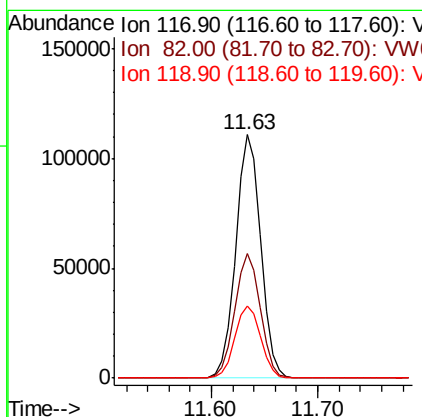
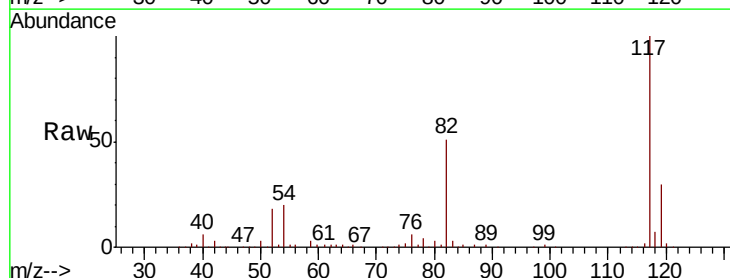
Instrument :
MSVOA_W
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HLSP-SB-2A-(1)

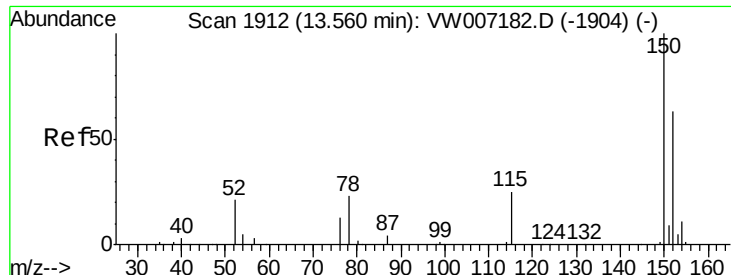
Tot Ion: 95 Resp: 69923
Ion Ratio Lower Upper
95 100
174 77.5 0.0 148.0
176 74.3 0.0 139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007235.D
Acq: 05 Dec 2018 17:03

Tgt Ion: 117 Resp: 182256
Ion Ratio Lower Upper
117 100
82 51.4 47.4 71.2
119 29.6 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: VW007235.D

Acq: 05 Dec 2018 17:03

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-2A-(1)

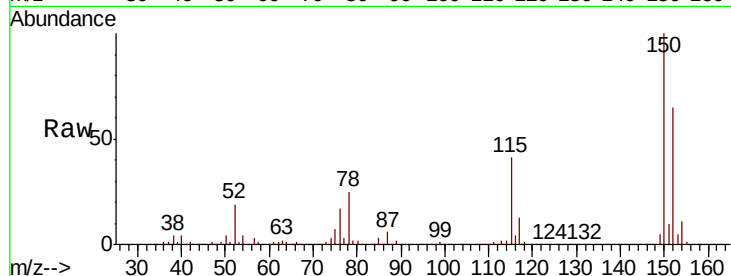
Tot Ion:152 Resp: 84680

Ion Ratio Lower Upper

152 100

115 63.0 31.3 93.8

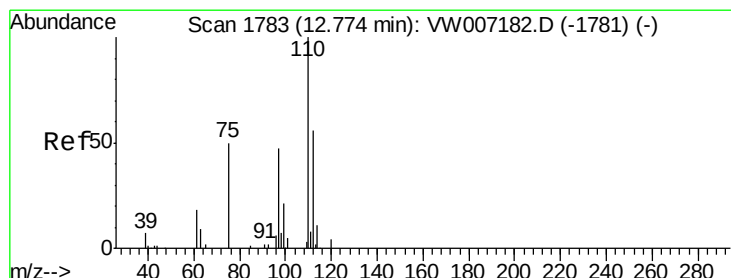
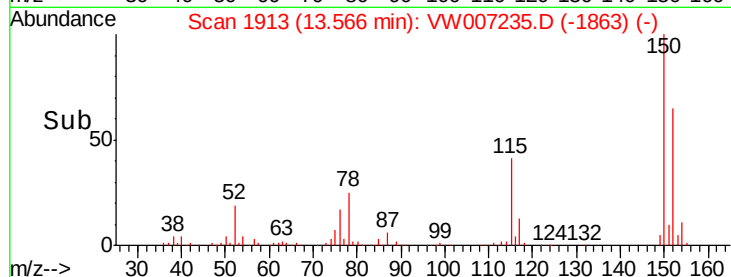
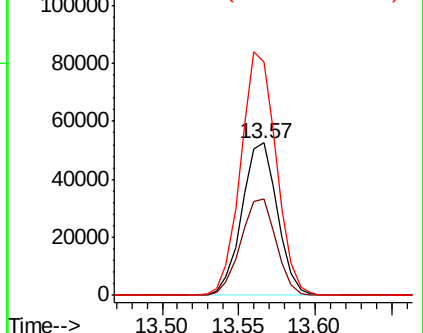
150 159.9 0.0 358.0



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: 54.717 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007235.D

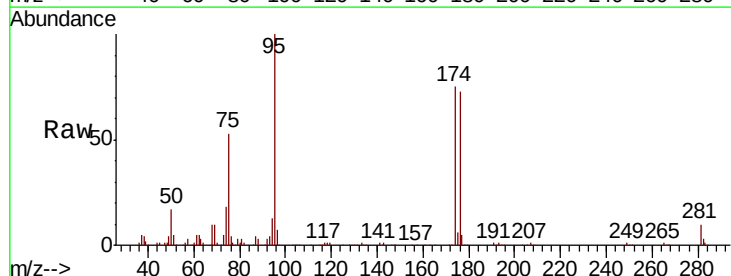
Acq: 05 Dec 2018 17:03

Tgt Ion: 75 Resp: 35877

Ion Ratio Lower Upper

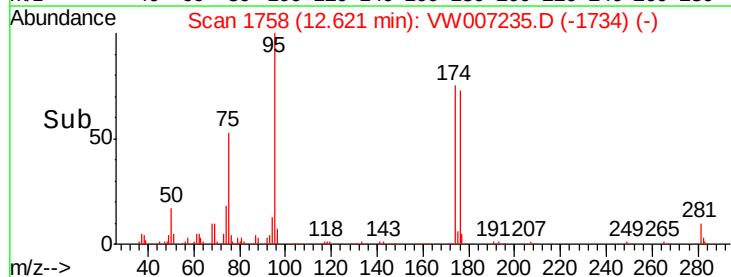
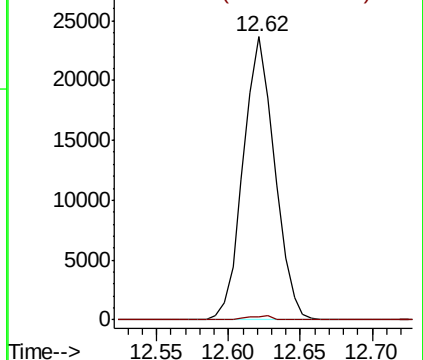
75 100

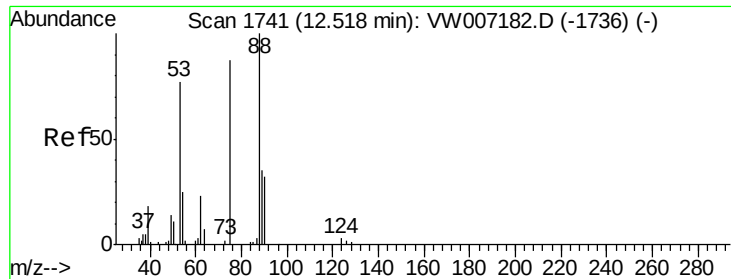
77 1.2 0.0 0.0#



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: 117.934 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007235.D

Acq: 05 Dec 2018 17:03

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-2A-(1)

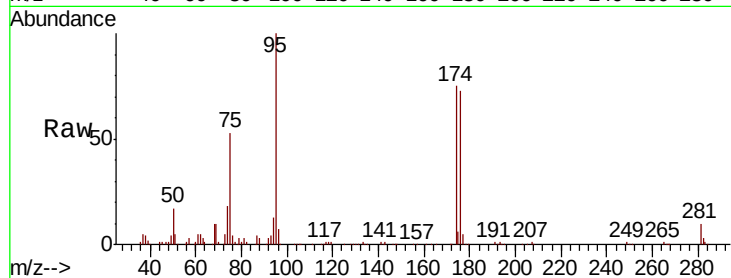
Tot Ion: 75 Resp: 35877

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

