

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101318\
 Data File : VW006042.D
 Acq On : 12 Oct 2018 11:47
 Operator : VA/AP
 Sample : VW1013SBL01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBL01

Quant Time: Oct 13 01:06:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 02:14:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	270161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	380935	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	339150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	180616	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	115943	44.21	ug/l	0.00
Spiked Amount			Recovery	=	88.42%	
35) Dibromofluoromethane	7.88	113	121248	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
50) Toluene-d8	10.33	98	474180	50.67	ug/l	0.00
Spiked Amount			Recovery	=	101.34%	
62) 4-Bromofluorobenzene	12.62	95	167705	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	

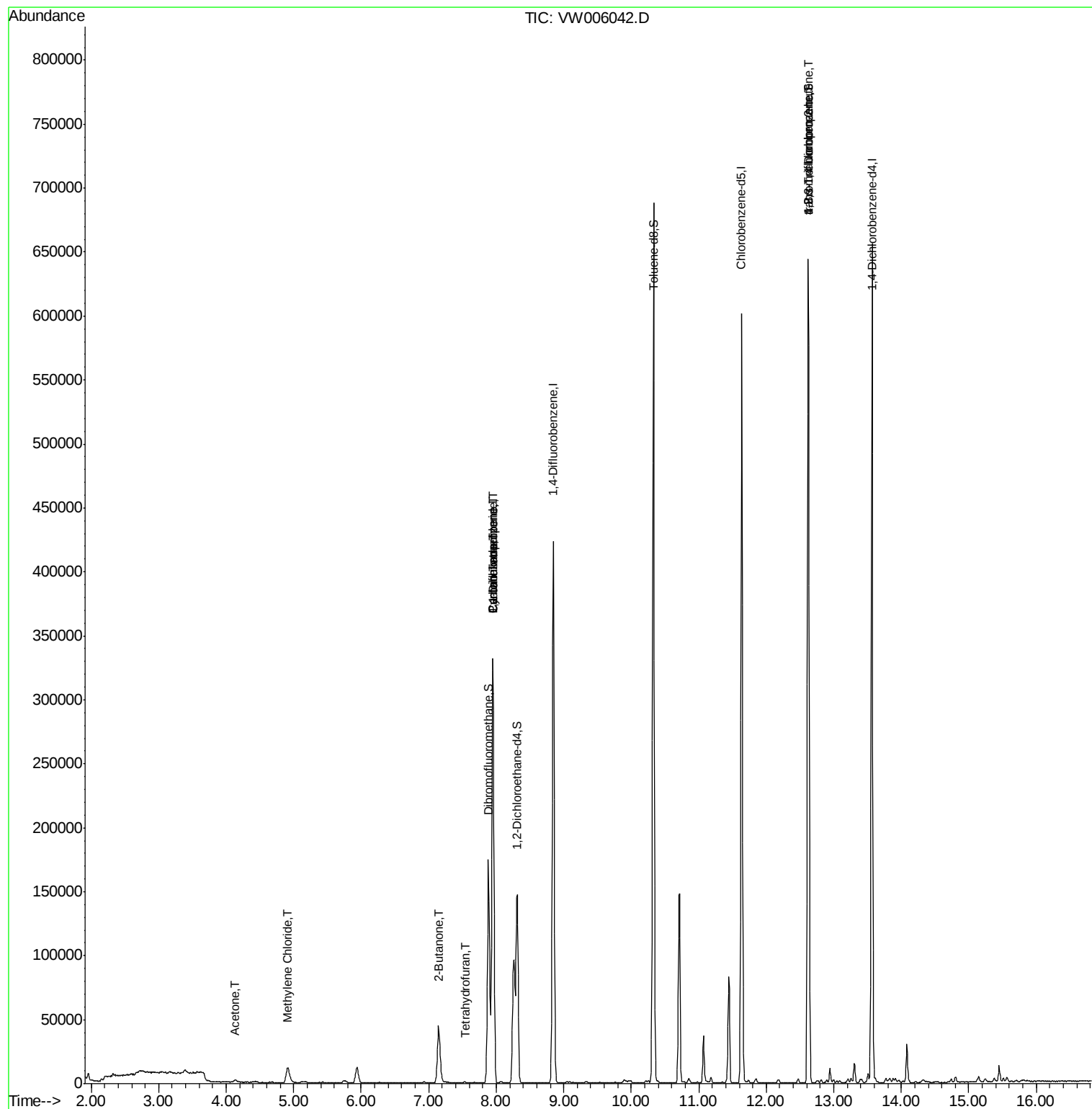
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	4442	8.479	ug/l	92
20) Methylene Chloride	4.90	84	9780	3.726	ug/l	91
25) 2-Butanone	7.15	43	3022	4.056	ug/l #	66
29) Tetrahydrofuran	7.53	42	509	1.081	ug/l #	43
31) Cyclohexane	7.95	56	5473	1.192	ug/l #	21
36) 1,1-Dichloropropene	7.95	75	18100	4.959	ug/l #	49
38) Carbon Tetrachloride	7.95	117	24161	6.161	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	86445	53.580	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	86445	113.112	ug/l #	11

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

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Quant Time: Oct 13 01:06:38 2018
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Quant Title : SW846 8260
QLast Update : Tue Oct 09 02:14:04 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: VW006042.D

Acq: 12 Oct 2018 11:47

Instrument :

MSVOA_W

ClientSampleId :

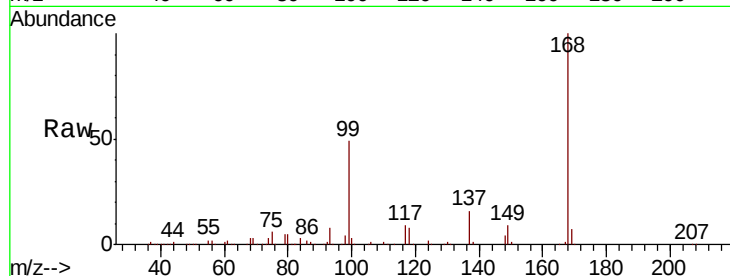
VW1013SBL01

Tgt Ion:168 Resp: 270161

Ion Ratio Lower Upper

168 100

99 48.8 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

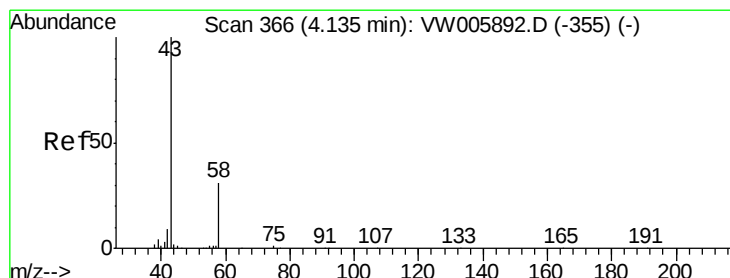
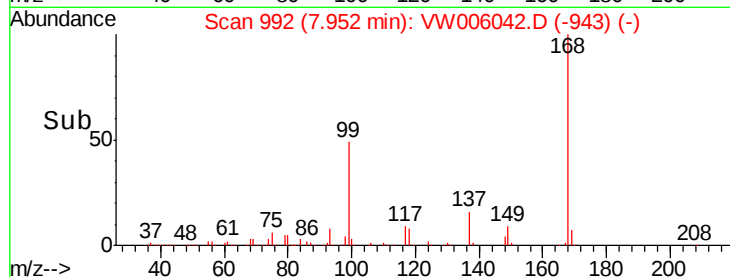
100000

50000

0

Time-->

7.90 8.00 8.10



#16

Acetone

Concen: 8.479 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW006042.D

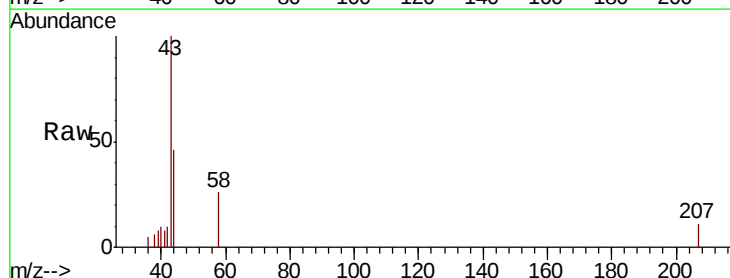
Acq: 12 Oct 2018 11:47

Tgt Ion: 43 Resp: 4442

Ion Ratio Lower Upper

43 100

58 26.5 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

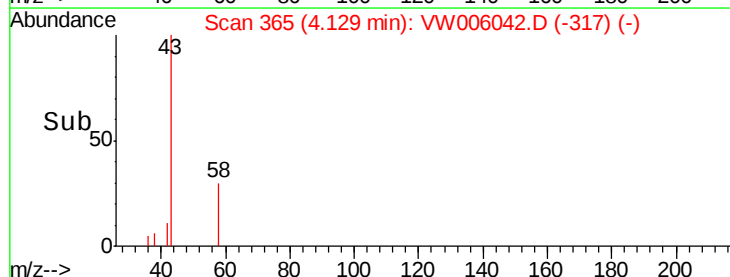
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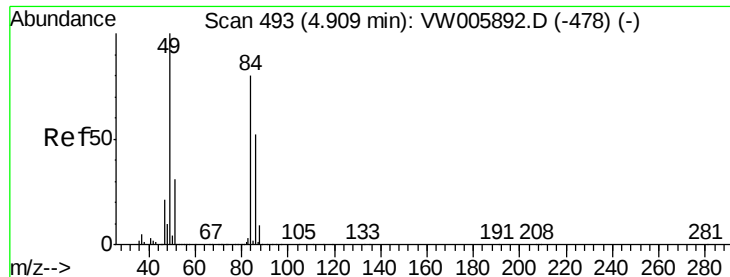
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0

Time-->

4.00 4.10 4.20

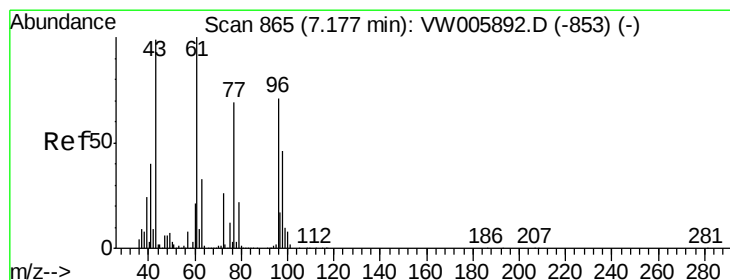
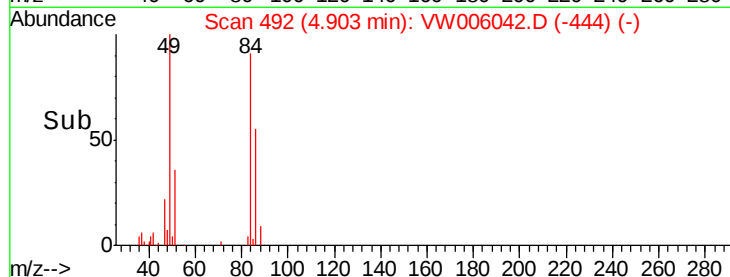
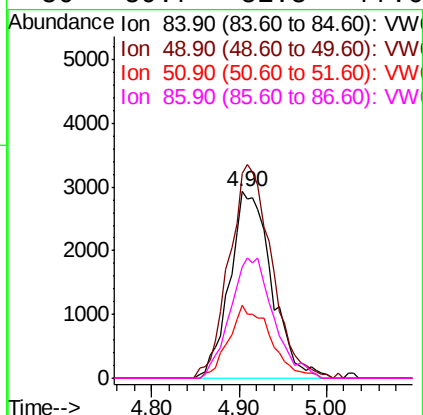
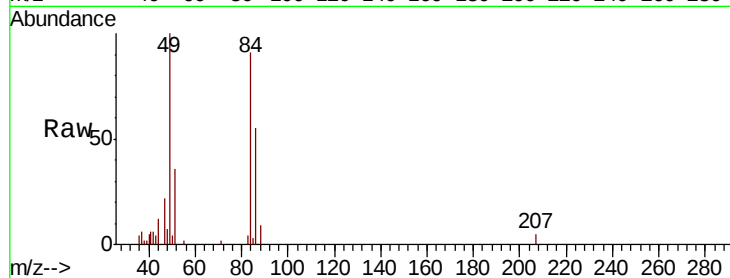




#20
Methylene Chloride
Concen: 3.726 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW006042.D
Acq: 12 Oct 2018 11:47

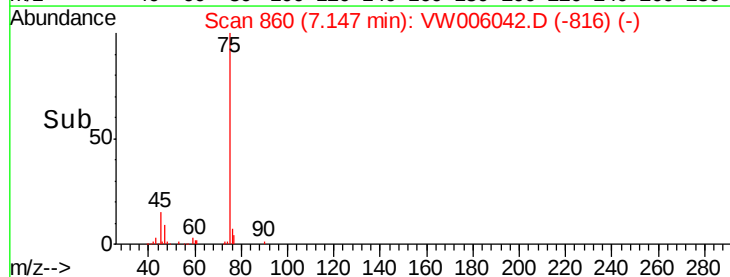
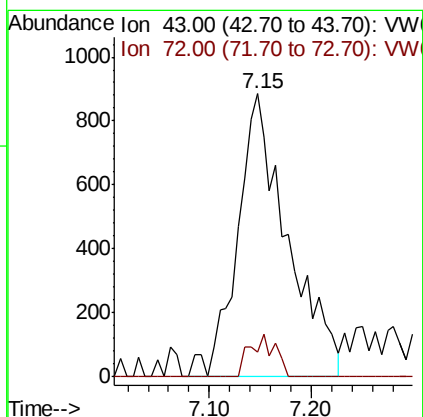
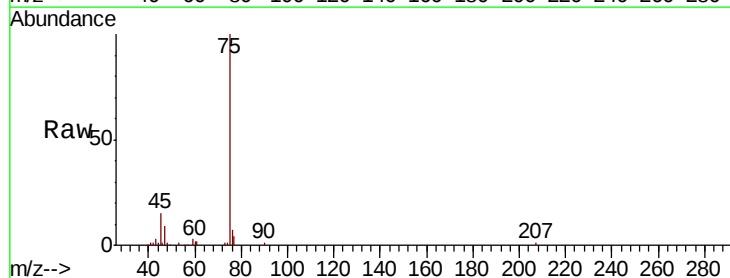
Instrument :
MSVOA_W
ClientSampleId :
VW1013SBL01

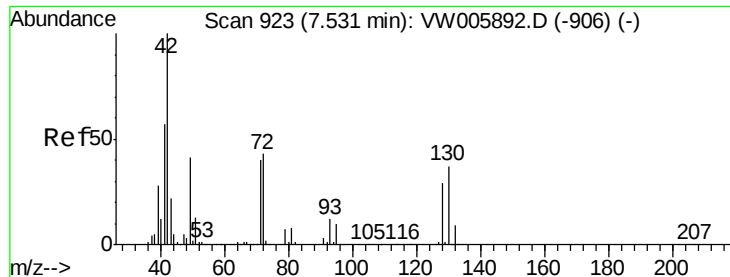
Tgt Ion:	84	Resp:	9780
Ion	Ratio	Lower	Upper
84	100		
49	109.4	99.9	149.9
51	39.0	31.1	46.7
86	59.7	51.8	77.6



#25
2-Butanone
Concen: 4.056 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.03 min
Lab File: VW006042.D
Acq: 12 Oct 2018 11:47

Tgt Ion:	43	Resp:	3022
Ion	Ratio	Lower	Upper
43	100		
72	8.6	21.0	31.4#

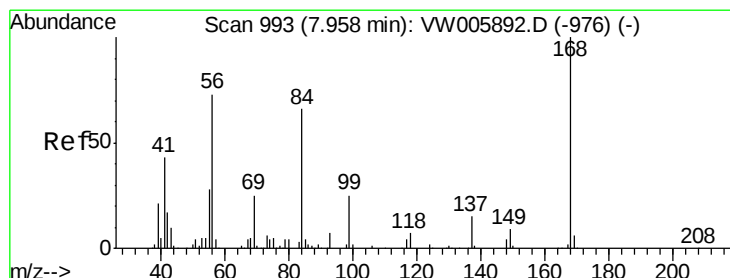
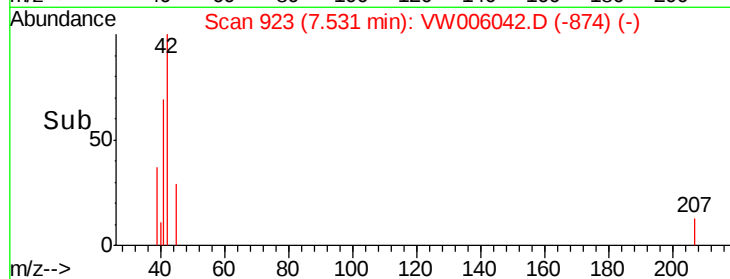
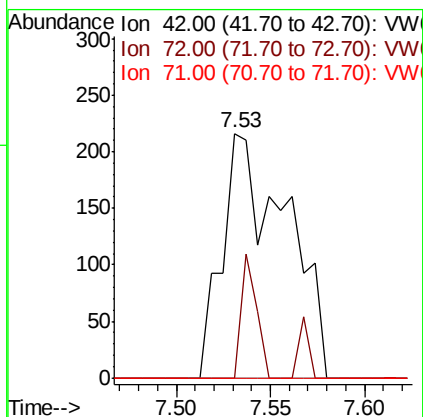
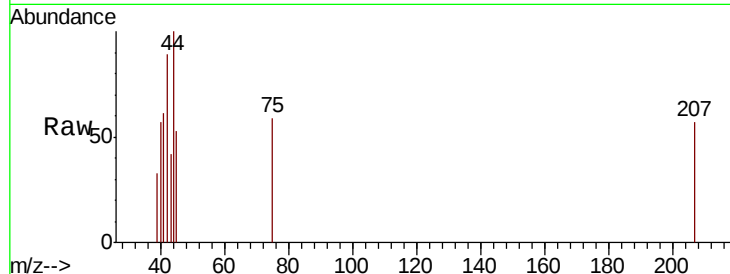




#29
Tetrahydrofuran
Concen: 1.081 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW006042.D
Acq: 12 Oct 2018 11:47

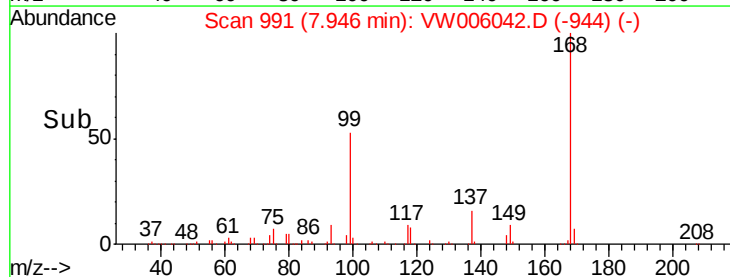
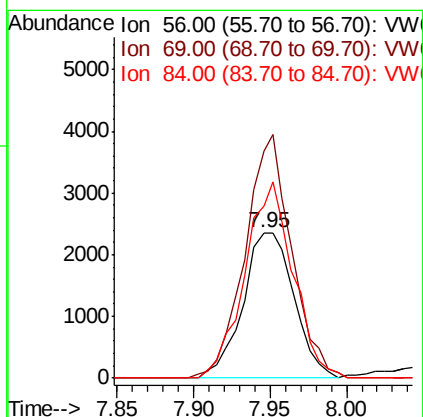
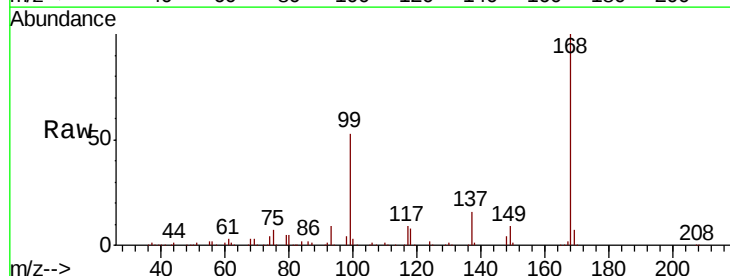
Instrument :
MSVOA_W
ClientSampleId :
VW1013SBL01

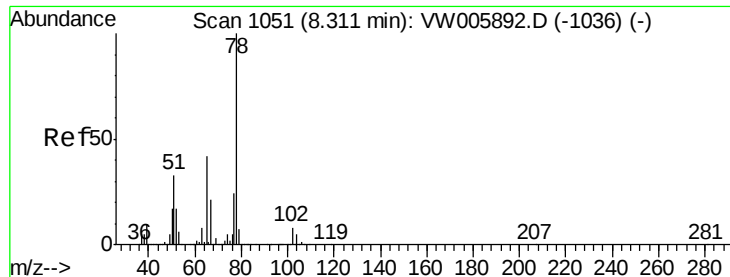
Tgt Ion: 42 Resp: 509
Ion Ratio Lower Upper
42 100
72 12.0 34.6 51.8#
71 0.0 32.6 49.0#



#31
Cyclohexane
Concen: 1.192 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW006042.D
Acq: 12 Oct 2018 11:47

Tgt Ion: 56 Resp: 5473
Ion Ratio Lower Upper
56 100
69 155.5 27.9 41.9#
84 117.8 72.3 108.5#

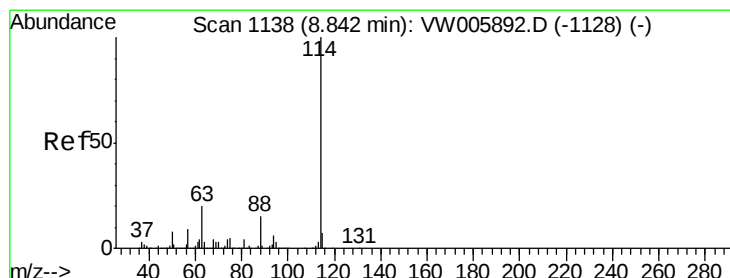
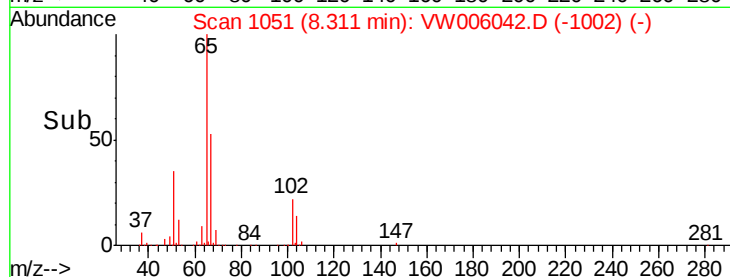
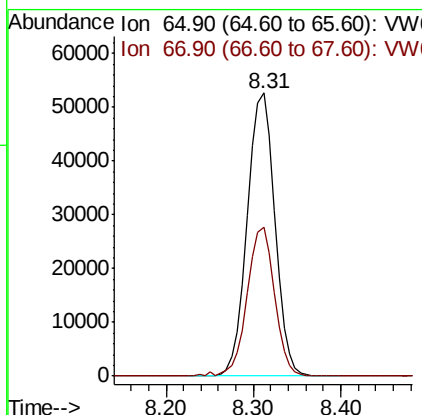
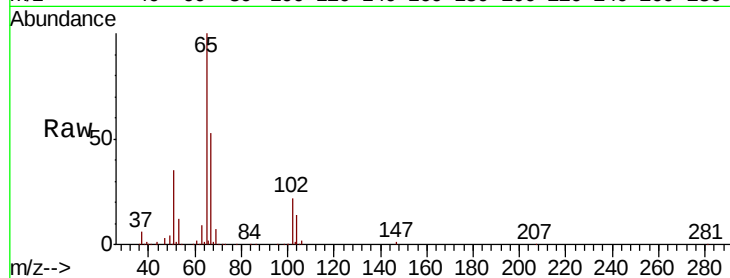




#33
 1,2-Dichloroethane-d4
 Concen: 44.208 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006042.D
 Acq: 12 Oct 2018 11:47

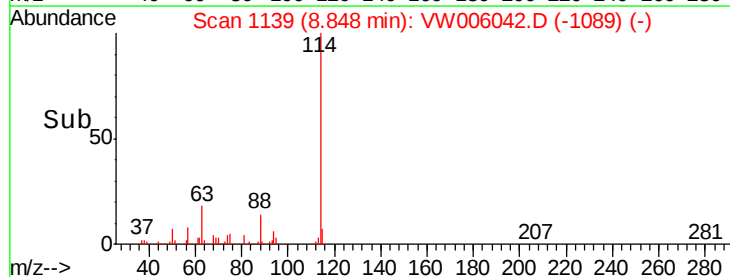
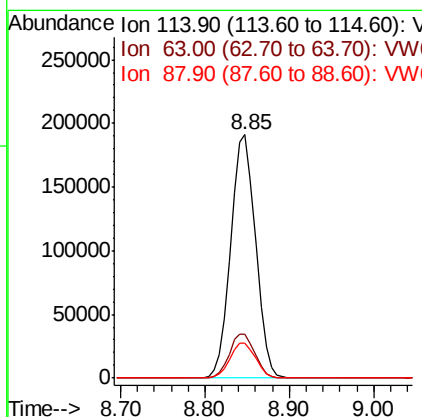
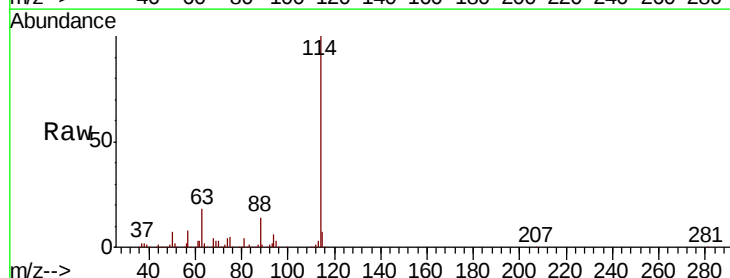
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBL01

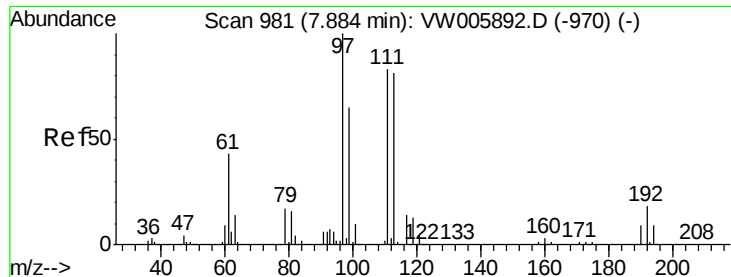
Tgt Ion: 65 Resp: 115943
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW006042.D
 Acq: 12 Oct 2018 11:47

Tgt Ion: 114 Resp: 380935
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 39.2
 88 14.2 0.0 30.8





#35

Dibromofluoromethane

Concen: 49.853 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW006042.D

Acq: 12 Oct 2018 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW1013SBL01

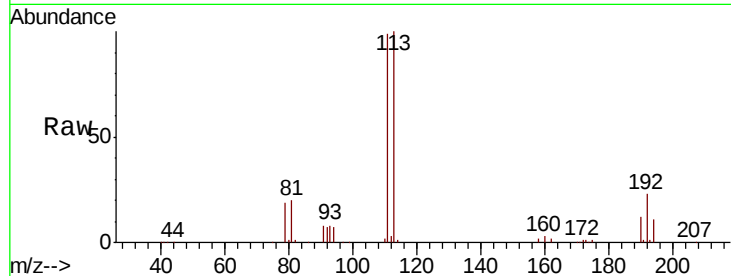
Tgt Ion:113 Resp: 121248

Ion Ratio Lower Upper

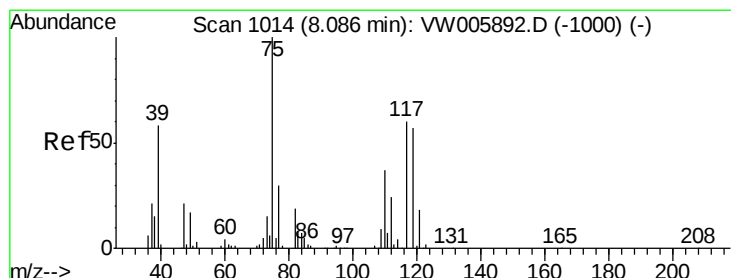
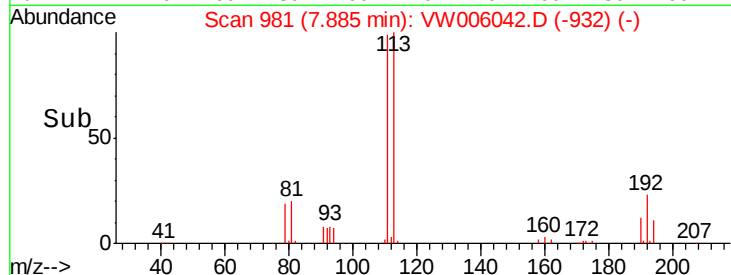
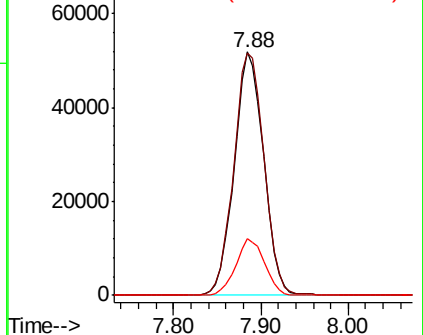
113 100

111 102.3 82.0 123.0

192 22.6 18.3 27.5



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: 4.959 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006042.D

Acq: 12 Oct 2018 11:47

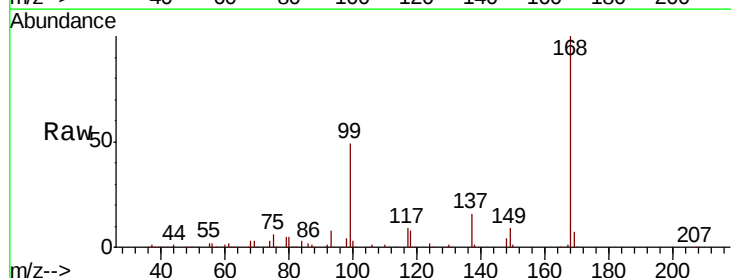
Tgt Ion: 75 Resp: 18100

Ion Ratio Lower Upper

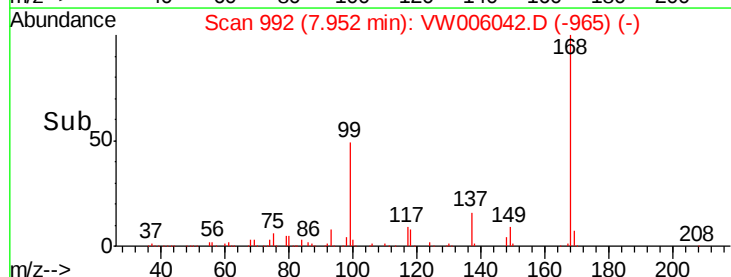
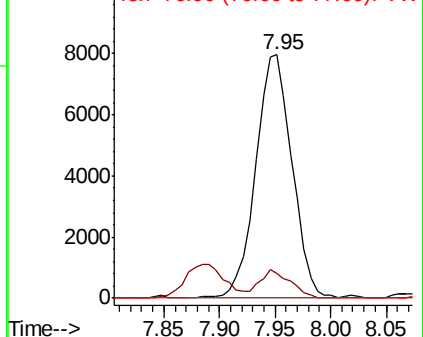
75 100

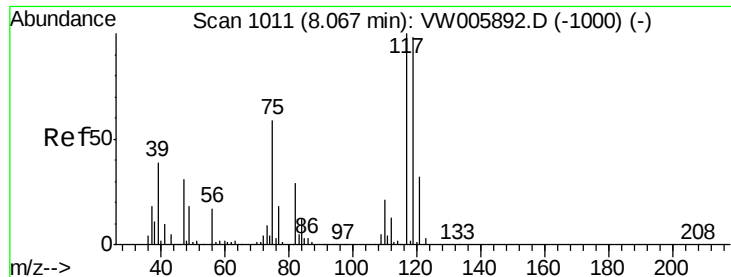
110 9.9 18.6 56.0#

77 0.0 24.7 37.1#



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: 6.161 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW006042.D

Acq: 12 Oct 2018 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBL01

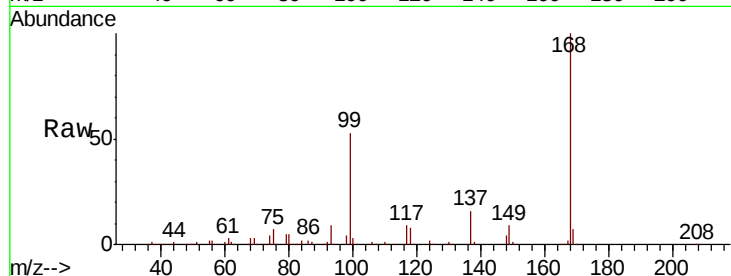
Tgt Ion:117 Resp: 24161

Ion Ratio Lower Upper

117 100

119 5.2 78.6 117.8#

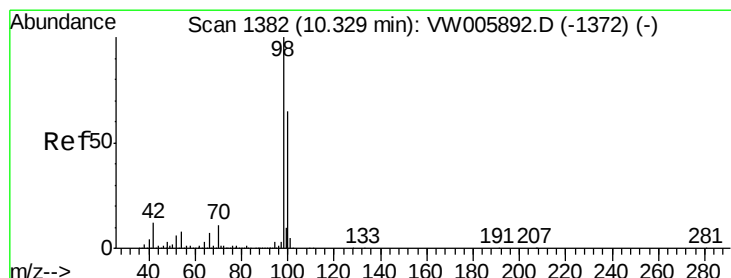
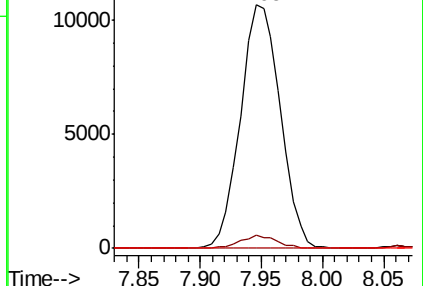
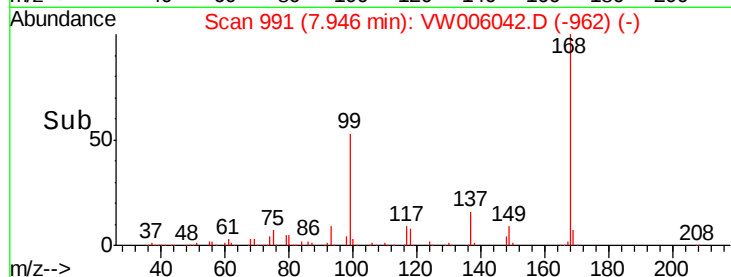
121 0.0 25.3 37.9#



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: 50.675 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006042.D

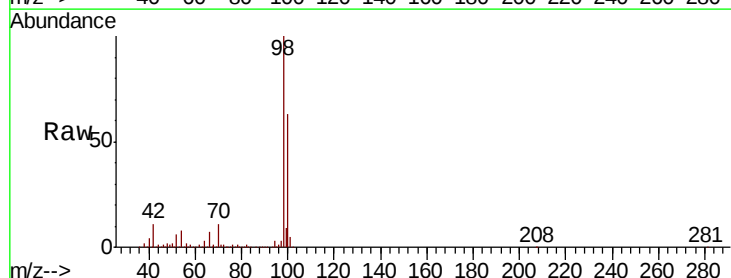
Acq: 12 Oct 2018 11:47

Tgt Ion: 98 Resp: 474180

Ion Ratio Lower Upper

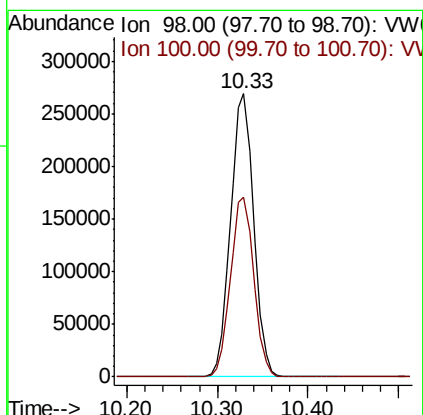
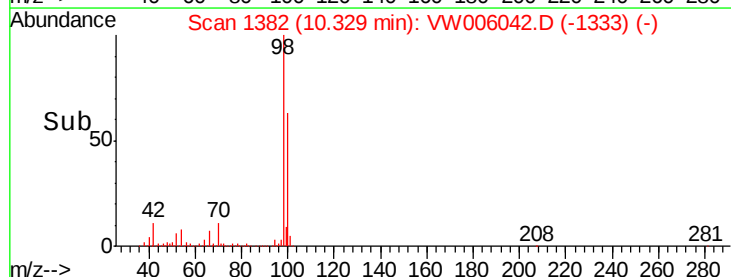
98 100

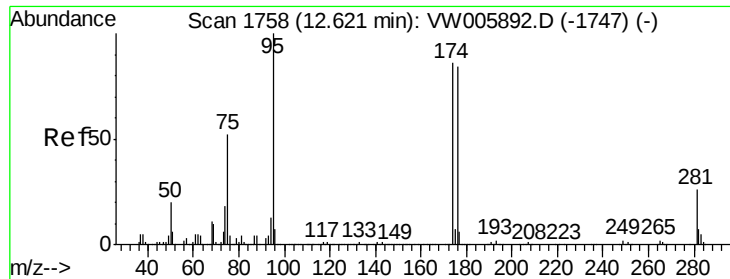
100 64.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 47.106 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006042.D

Acq: 12 Oct 2018 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBL01

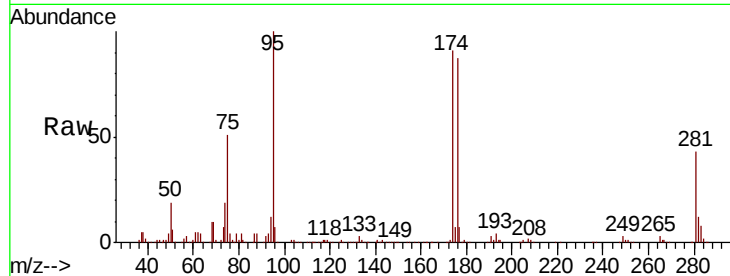
Tgt Ion: 95 Resp: 167705

Ion Ratio Lower Upper

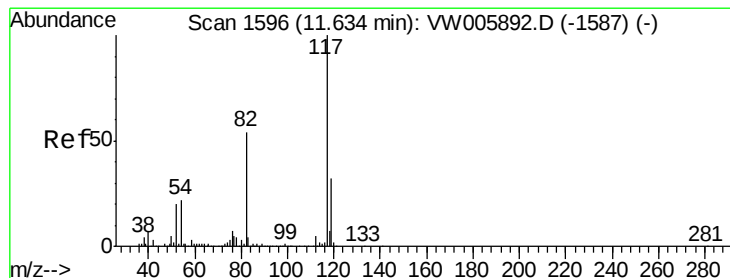
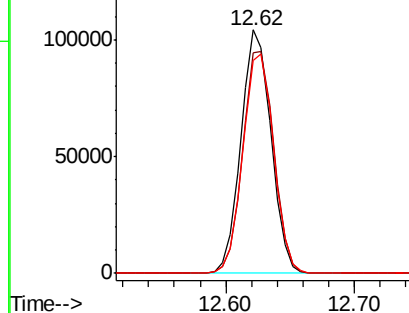
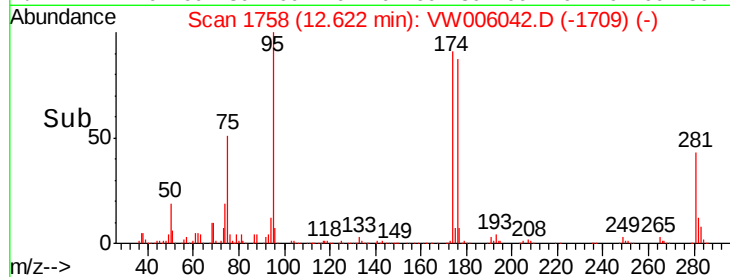
95 100

174 94.0 0.0 176.4

176 92.1 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW006042.D

Acq: 12 Oct 2018 11:47

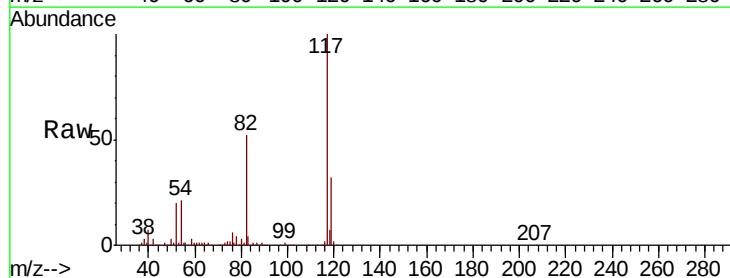
Tgt Ion: 117 Resp: 339150

Ion Ratio Lower Upper

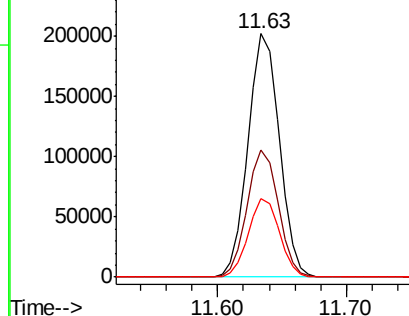
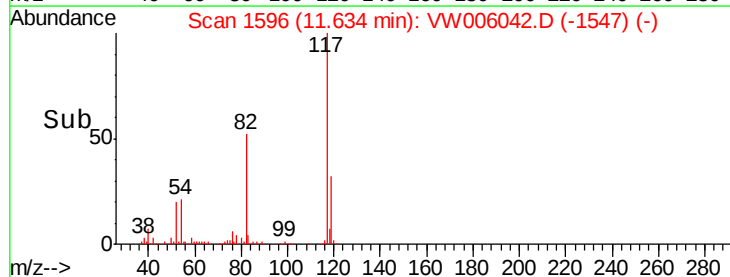
117 100

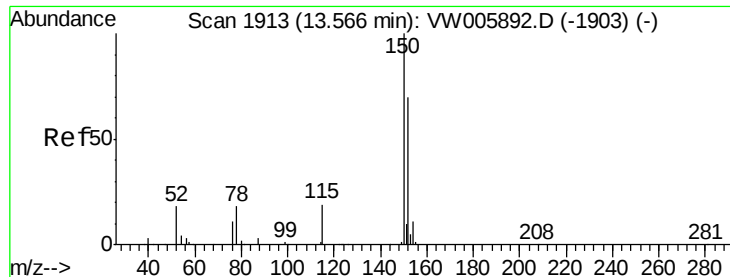
82 52.2 43.5 65.3

119 32.3 25.4 38.2



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



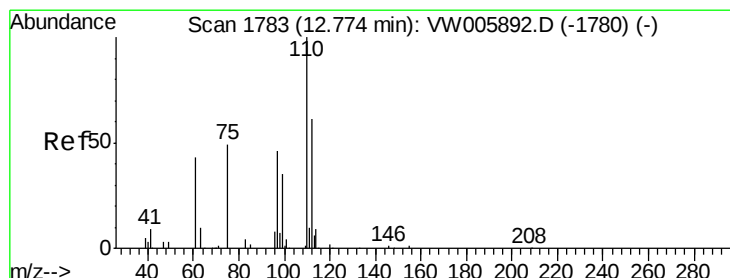
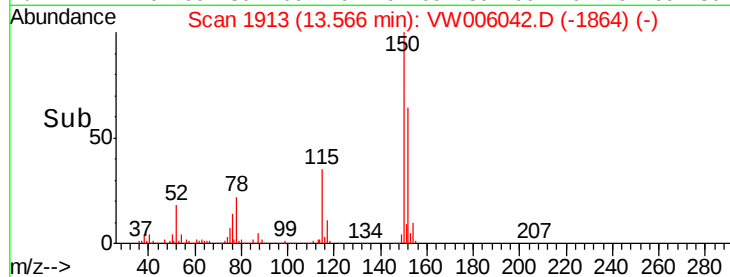
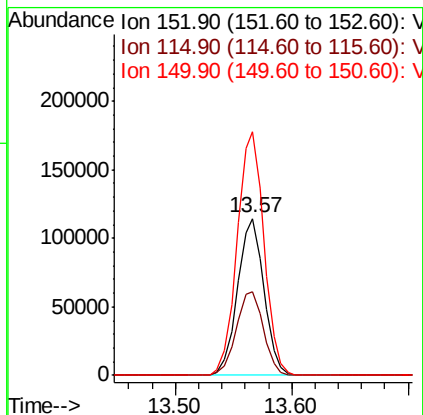
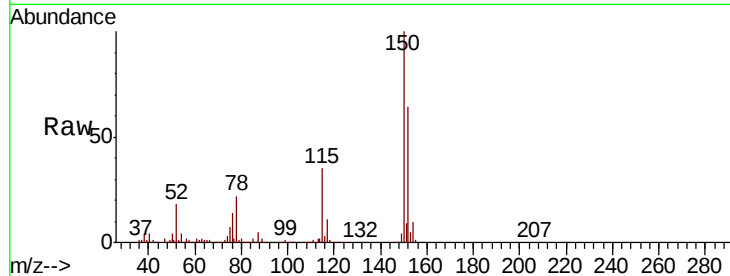


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006042.D
Acq: 12 Oct 2018 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW1013SBL01

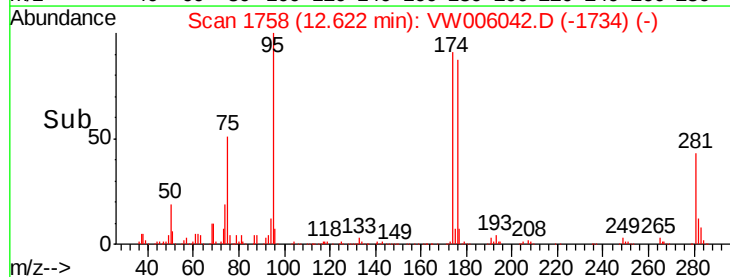
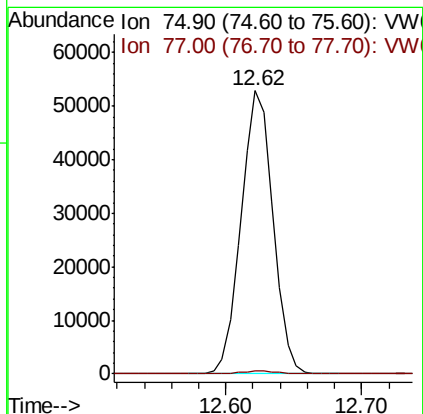
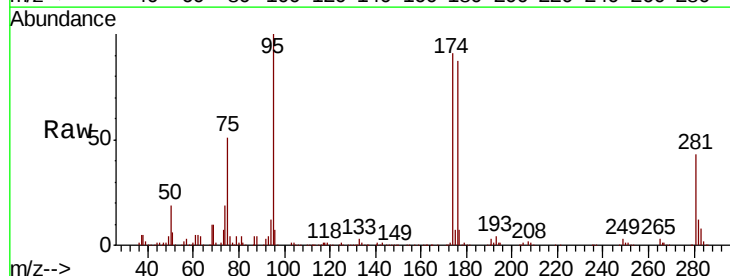
Tgt Ion: 152 Resp: 180616
Ion Ratio Lower Upper
152 100
115 55.1 28.3 85.0
150 157.6 0.0 349.2

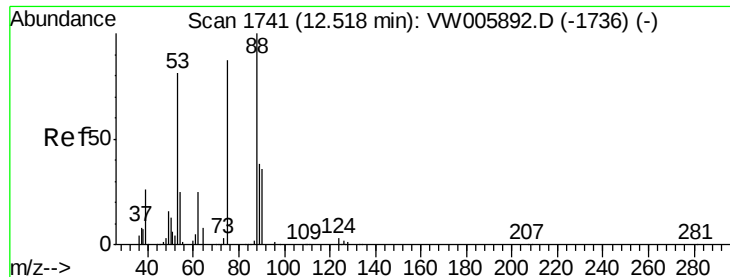


#76

1,2,3-Trichloropropane
Concen: 53.580 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW006042.D
Acq: 12 Oct 2018 11:47

Tgt Ion: 75 Resp: 86445
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 113.112 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006042.D

Acq: 12 Oct 2018 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBL01

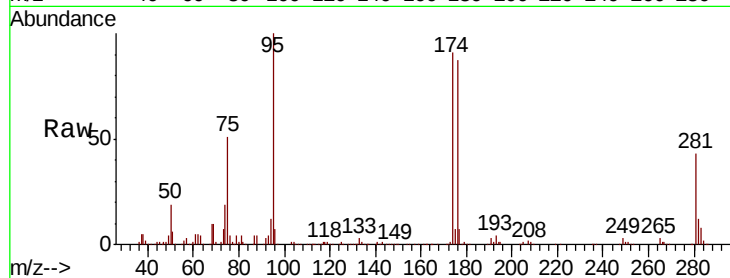
Tgt Ion: 75 Resp: 86445

Ion Ratio Lower Upper

75 100

53 0.0 76.5 114.7#

89 0.2 37.6 56.4#



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

