

Data File : VW006832.D
Acq On : 13 Nov 2018 04:01
Operator : SY/AP
Sample : J5910-07
Misc : 5.47G/5ML/MSVOA_W/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
W-4-S

Quant Time: Nov 13 07:16:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 12 14:58:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	376218	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	528002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	459539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	205505	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	142869	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
35) Dibromofluoromethane	7.89	113	145233	46.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.38%	
50) Toluene-d8	10.33	98	552075	42.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.72%	
62) 4-Bromofluorobenzene	12.62	95	168274	35.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.12%	

Target Compounds

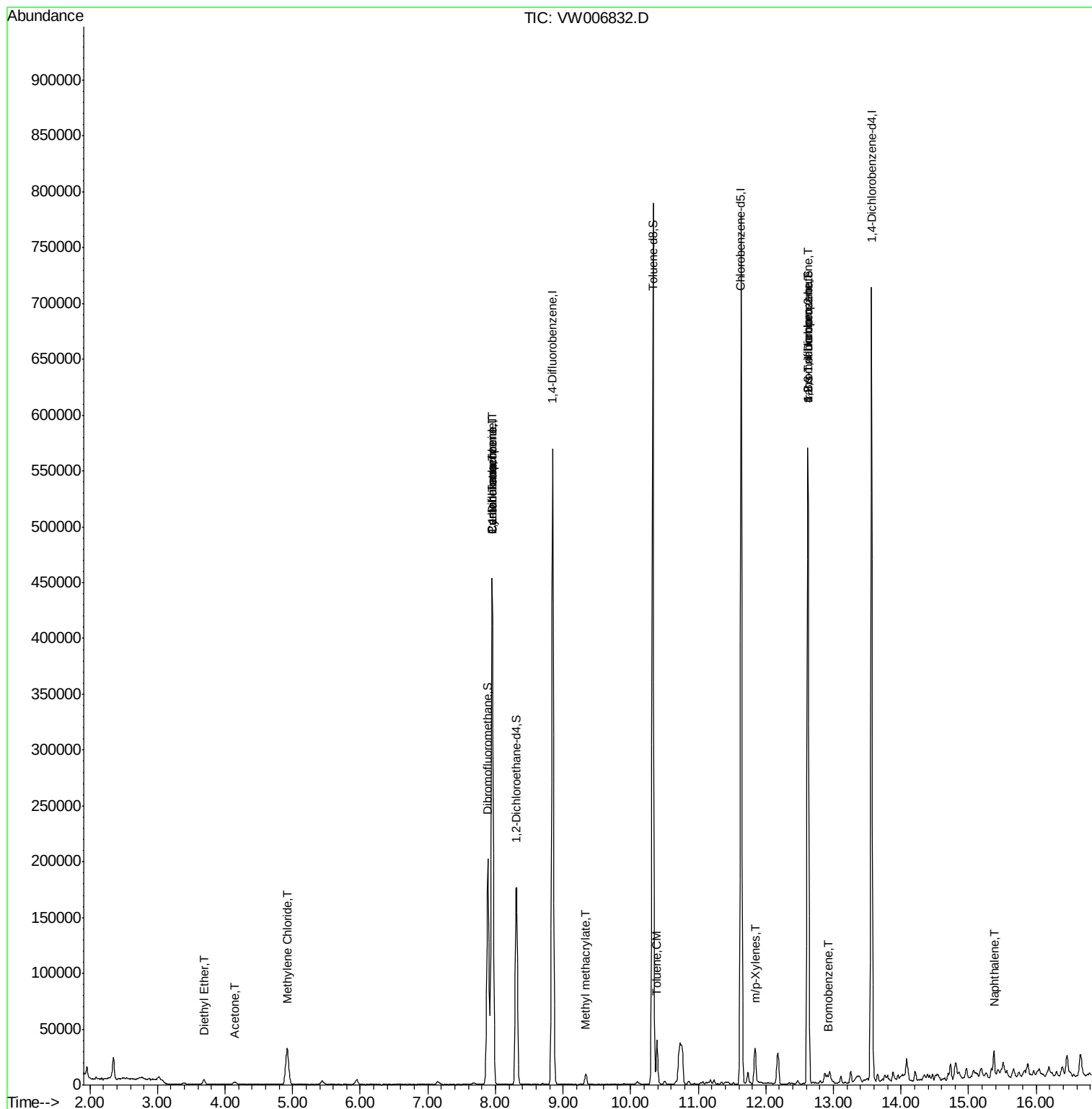
						Qvalue
8) Diethyl Ether	3.68	74	2627	1.804	ug/l	99
16) Acetone	4.15	43	4566	11.560	ug/l	96
20) Methylene Chloride	4.92	84	27655	2.782	ug/l	98
31) Cyclohexane	7.95	56	6661	1.264	ug/l #	24
36) 1,1-Dichloropropene	7.95	75	21898	4.432	ug/l #	48
38) Carbon Tetrachloride	7.95	117	31910	5.942	ug/l #	15
48) Methyl methacrylate	9.34	41	1753	1.138	ug/l #	61
52) Toluene	10.39	92	16231	1.666	ug/l	99
68) m/p-Xylenes	11.84	106	10376	1.459	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	82318	55.583	ug/l #	100
77) Bromobenzene	12.92	156	6627	1.843	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	82318	137.488	ug/l #	13
95) Naphthalene	15.38	128	21679	3.008	ug/l	98

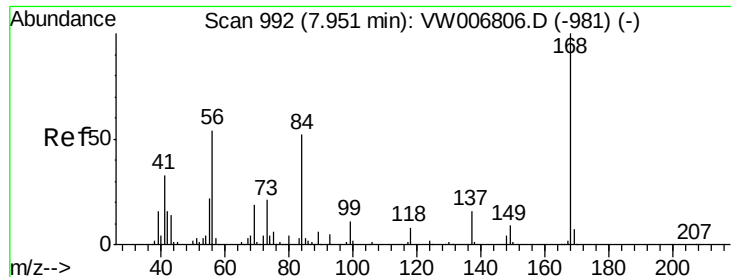
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW006832.D

Acq: 13 Nov 2018 04:01

Instrument :

MSVOA_W

ClientSampleId :

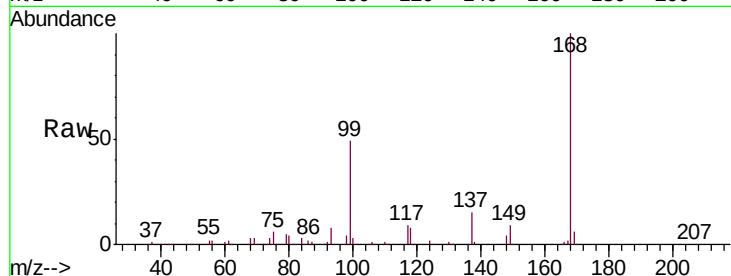
W-4-S

Tgt Ion:168 Resp: 376218

Ion Ratio Lower Upper

168 100

99 48.5 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

200000

150000

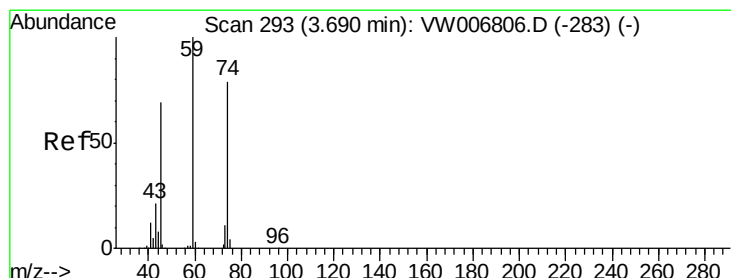
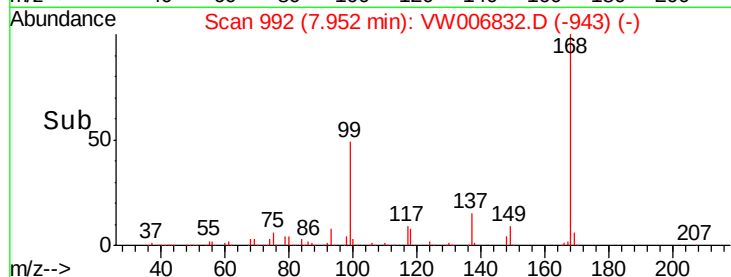
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#8

Diethyl Ether

Concen: 1.804 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.01 min

Lab File: VW006832.D

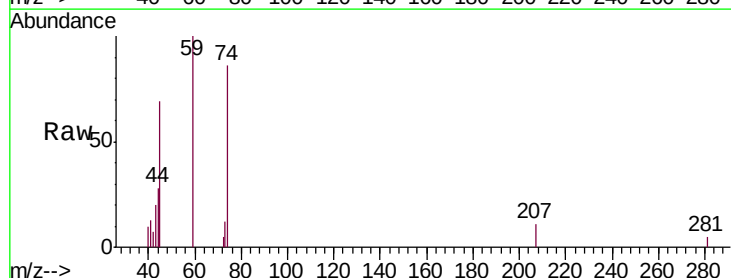
Acq: 13 Nov 2018 04:01

Tgt Ion: 74 Resp: 2627

Ion Ratio Lower Upper

74 100

45 87.5 43.1 129.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

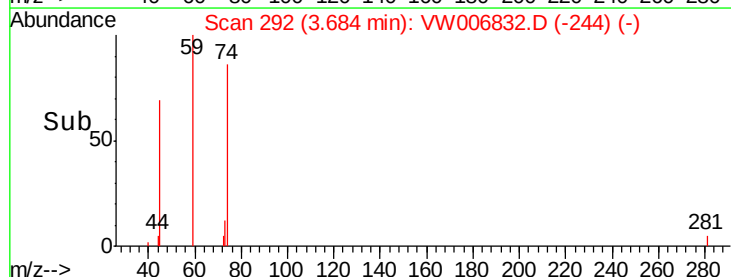
1000

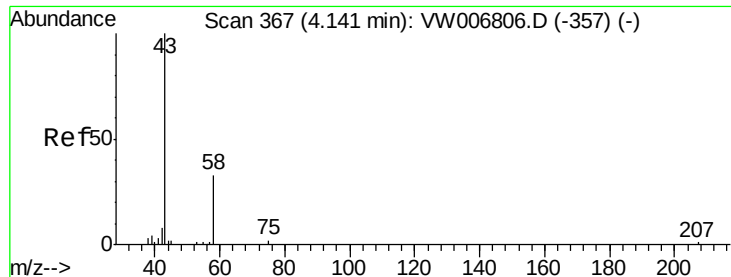
500

0

3.60 3.65 3.70 3.75

Time-->





#16

Acetone

Concen: 11.560 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW006832.D

Acq: 13 Nov 2018 04:01

Instrument :

MSVOA_W

ClientSampleId :

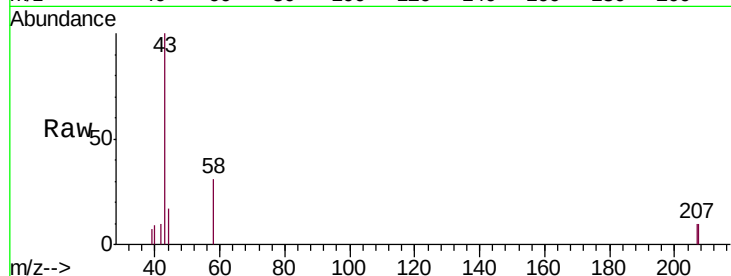
W-4-S

Tgt Ion: 43 Resp: 4566

Ion Ratio Lower Upper

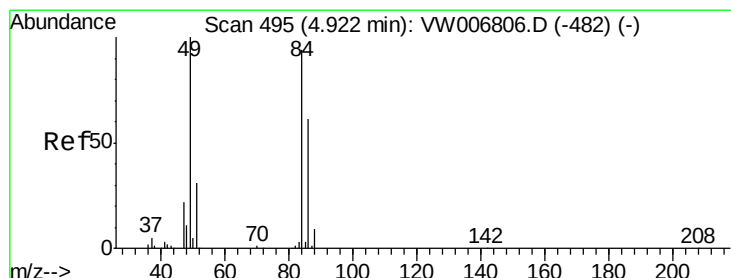
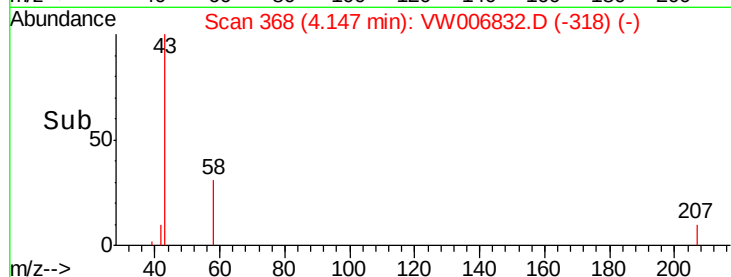
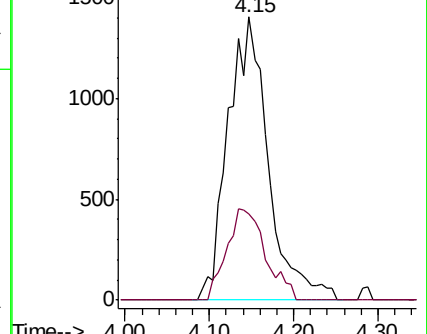
43 100

58 30.6 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 2.782 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW006832.D

Acq: 13 Nov 2018 04:01

Tgt Ion: 84 Resp: 27655

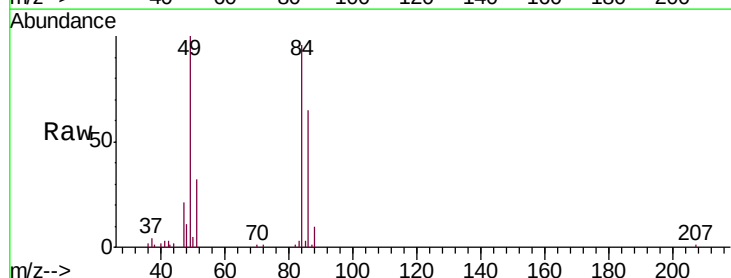
Ion Ratio Lower Upper

84 100

49 104.1 84.8 127.2

51 33.1 26.2 39.4

86 68.1 51.8 77.8

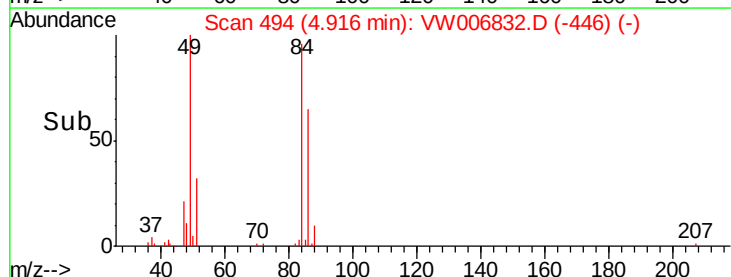
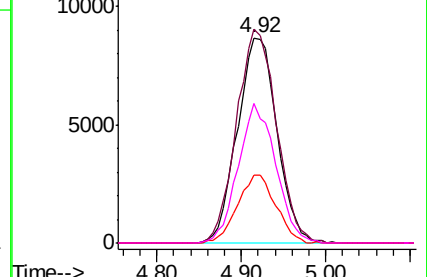


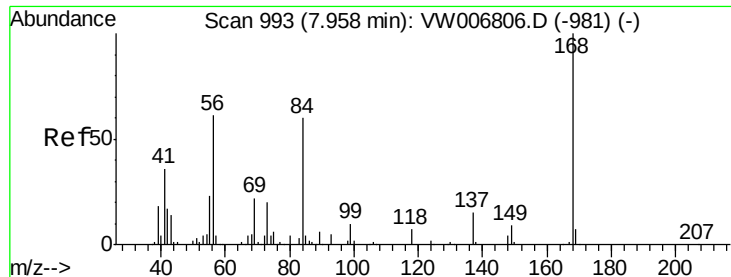
Abundance Ion 83.90 (83.60 to 84.60): VW

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

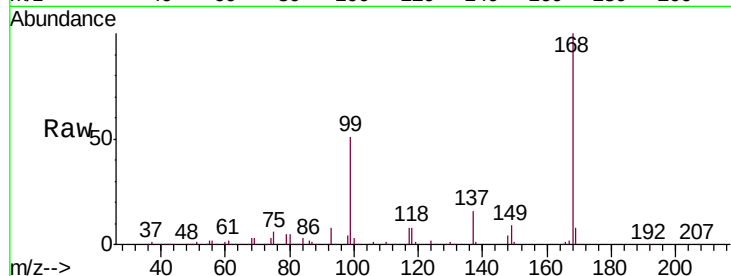




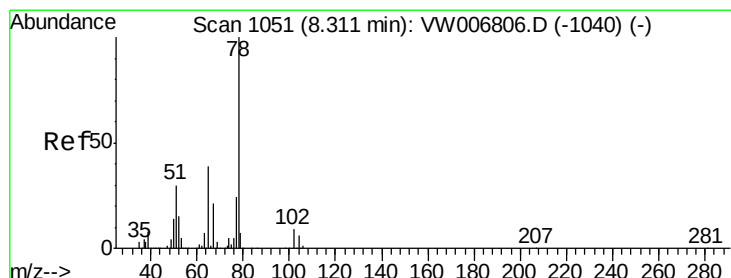
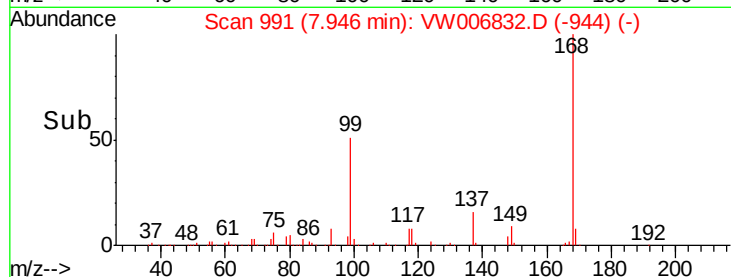
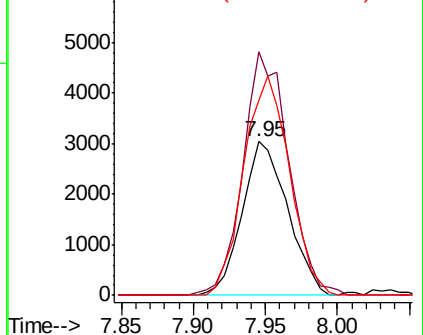
#31
Cyclohexane
Concen: 1.264 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW006832.D
Acq: 13 Nov 2018 04:01

Instrument :
MSVOA_W
ClientSampleId :
W-4-S

Tgt Ion: 56 Resp: 6661
Ion Ratio Lower Upper
56 100
69 158.6 28.9 43.3#
84 126.8 79.0 118.4#

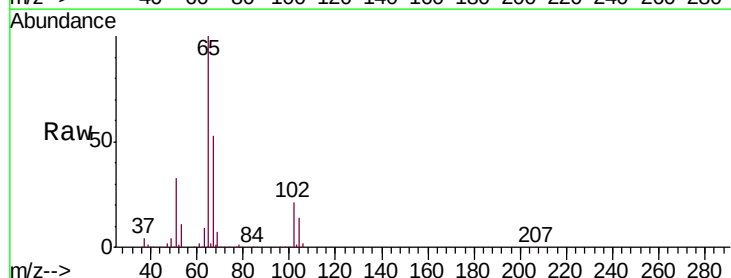


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

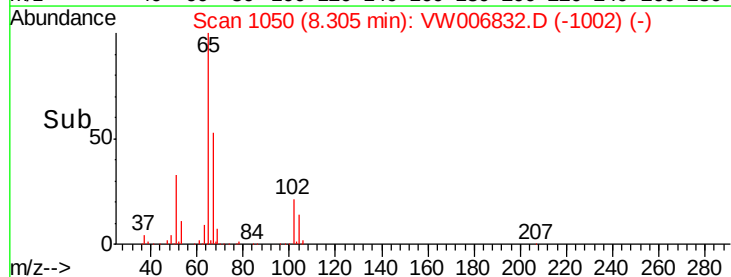
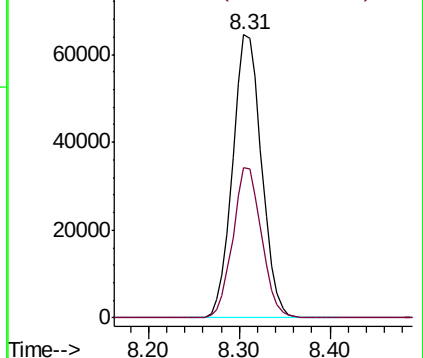


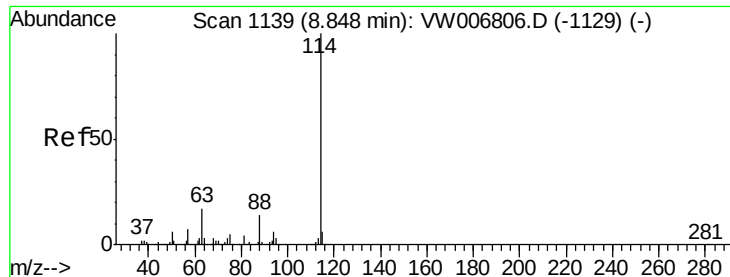
#33
1,2-Dichloroethane-d4
Concen: 51.948 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VW006832.D
Acq: 13 Nov 2018 04:01

Tgt Ion: 65 Resp: 142869
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.4



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

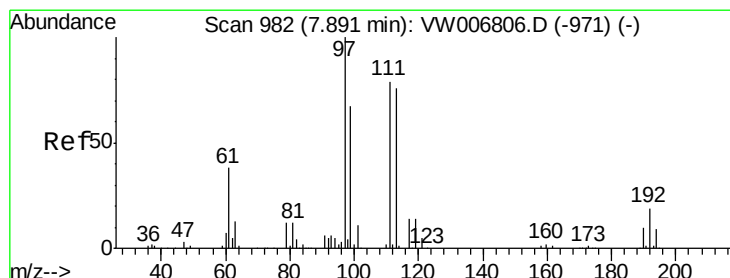
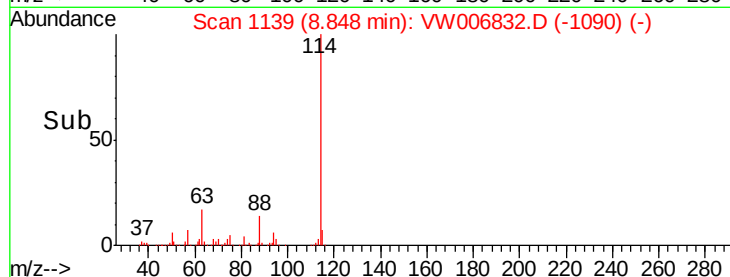
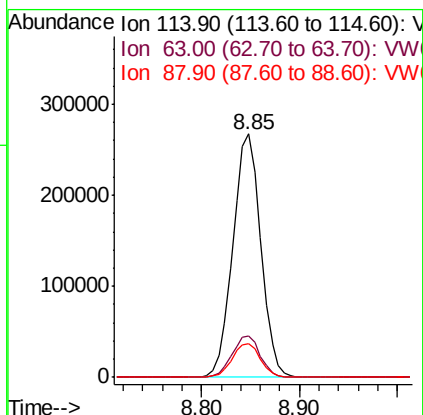
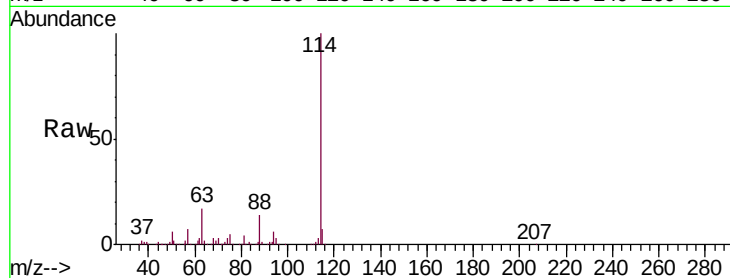




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006832.D
 Acq: 13 Nov 2018 04:01

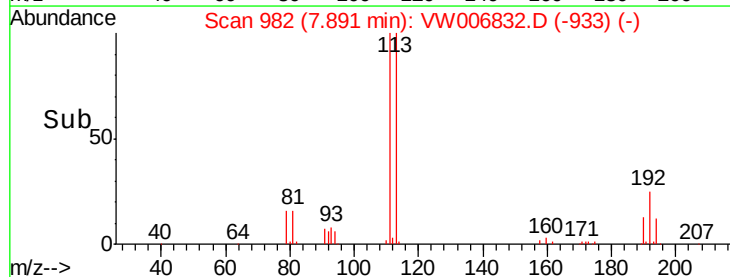
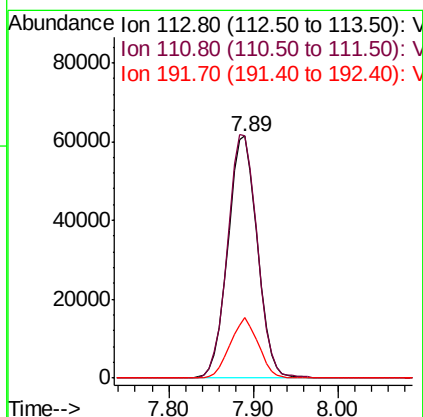
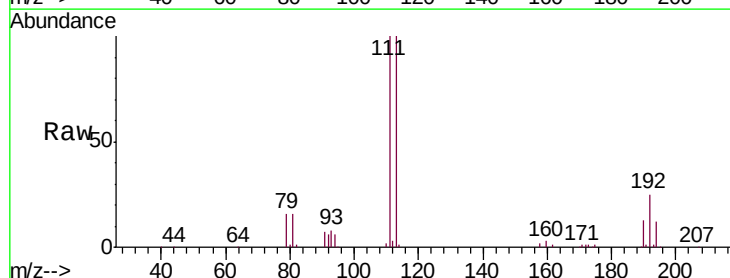
Instrument :
 MSVOA_W
 ClientSampleId :
 W-4-S

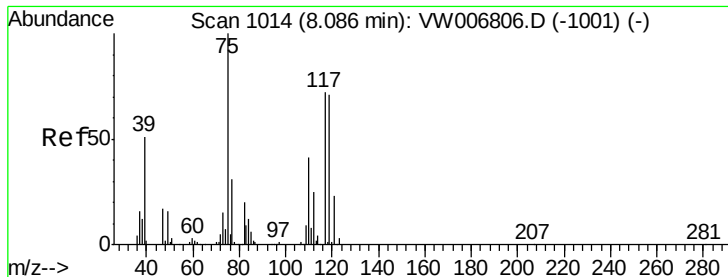
Tgt Ion:114 Resp: 528002
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 33.6
 88 13.9 0.0 28.4



#35
 Dibromofluoromethane
 Concen: 46.192 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006832.D
 Acq: 13 Nov 2018 04:01

Tgt Ion:113 Resp: 145233
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.0 121.6
 192 23.9 19.0 28.6

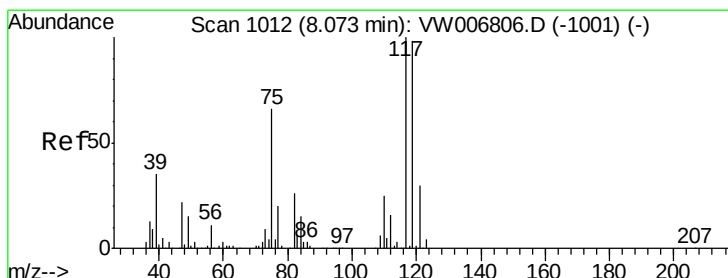
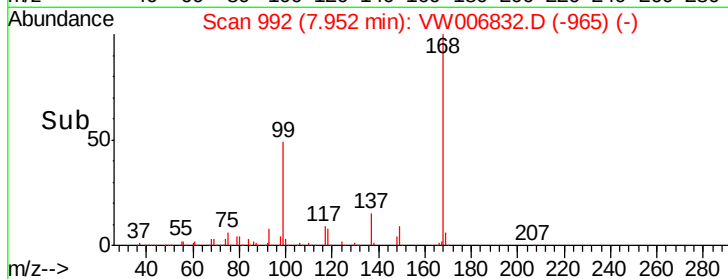
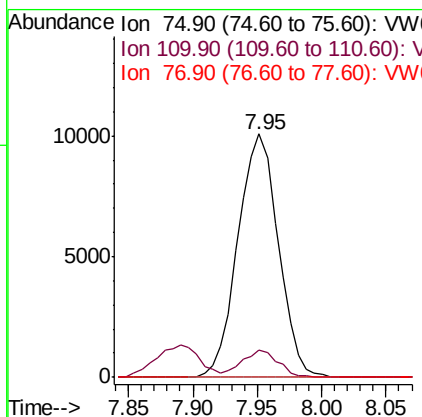
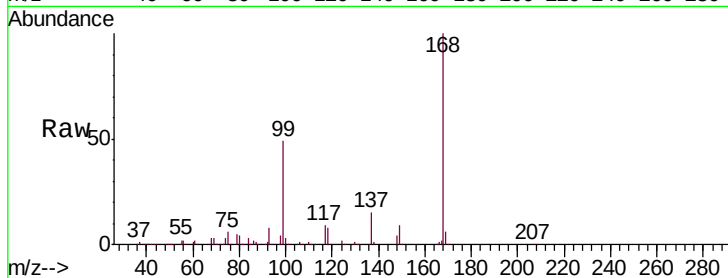




#36
 1,1-Dichloropropene
 Concen: 4.432 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006832.D
 Acq: 13 Nov 2018 04:01

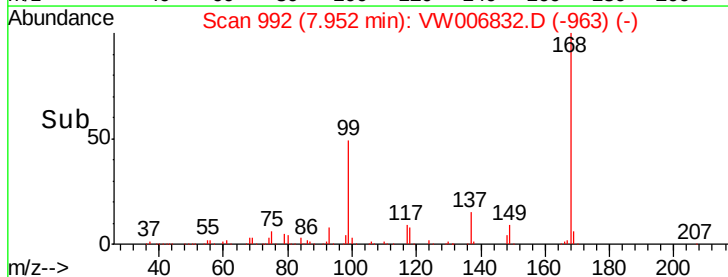
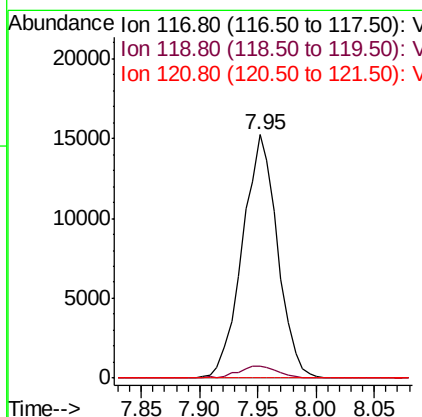
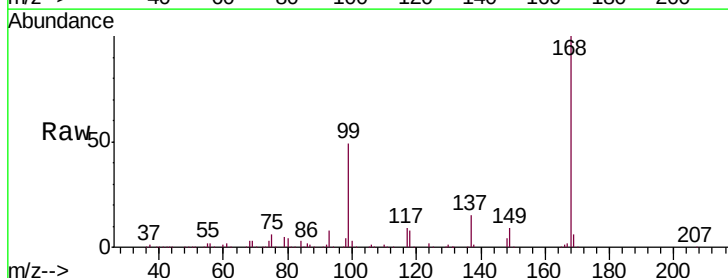
Instrument :
 MSVOA_W
 ClientSampled :
 W-4-S

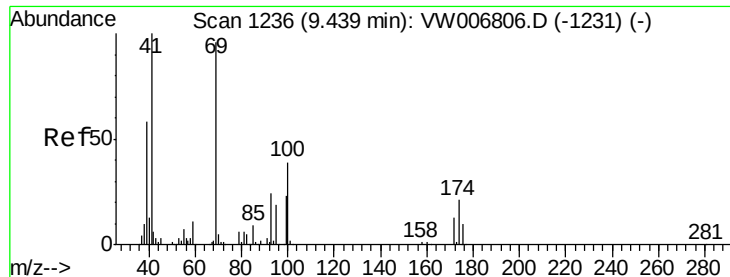
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	19.9	59.6#
77	0.0	25.4	38.2#



#38
 Carbon Tetrachloride
 Concen: 5.942 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW006832.D
 Acq: 13 Nov 2018 04:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	78.5	117.7#
121	0.0	24.2	36.2#

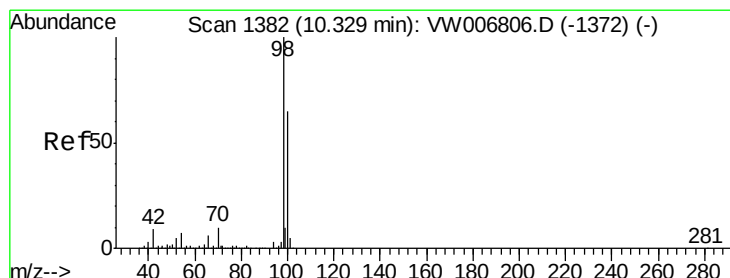
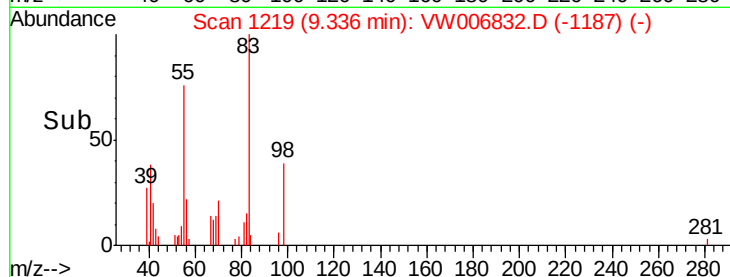
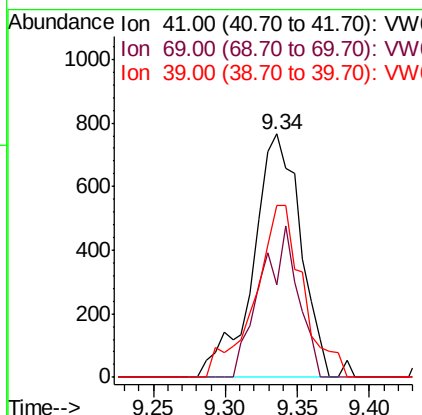
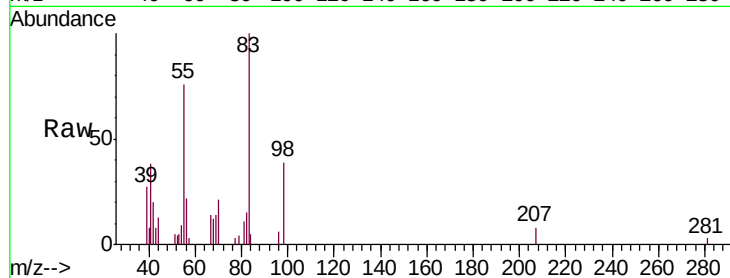




#48
Methyl methacrylate
Concen: 1.138 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.10 min
Lab File: VW006832.D
Acq: 13 Nov 2018 04:01

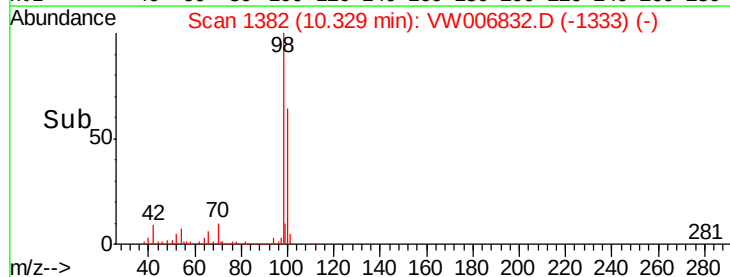
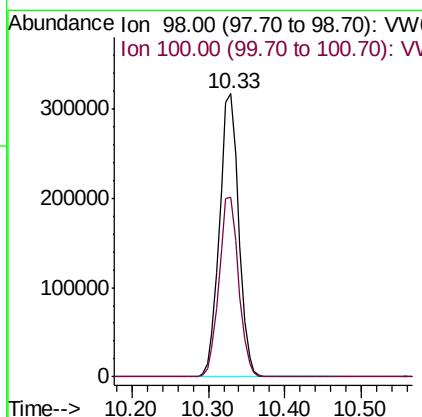
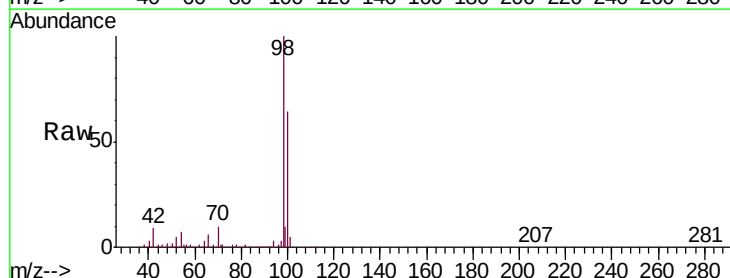
Instrument :
MSVOA_W
ClientSampled :
W-4-S

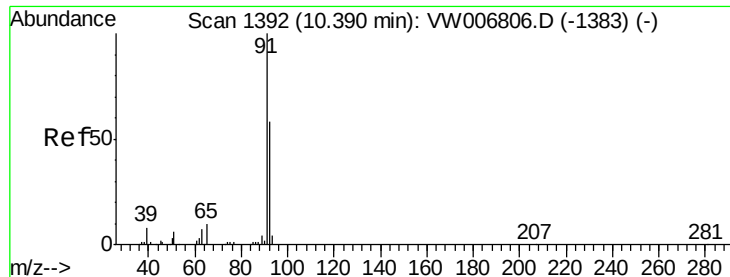
Tgt Ion: 41 Resp: 1753
Ion Ratio Lower Upper
41 100
69 49.2 79.8 119.6#
39 71.5 45.9 68.9#



#50
Toluene-d8
Concen: 42.364 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006832.D
Acq: 13 Nov 2018 04:01

Tgt Ion: 98 Resp: 552075
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.2





#52

Toluene

Concen: 1.666 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006832.D

Acq: 13 Nov 2018 04:01

Instrument :

MSVOA_W

ClientSampleId :

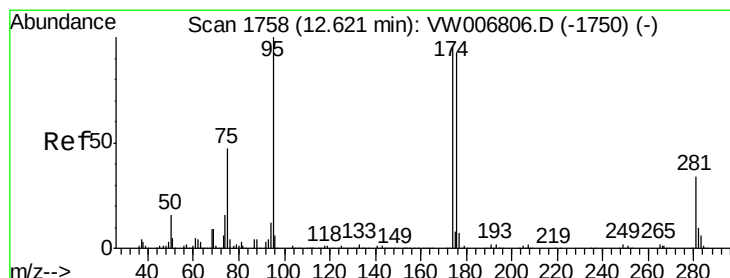
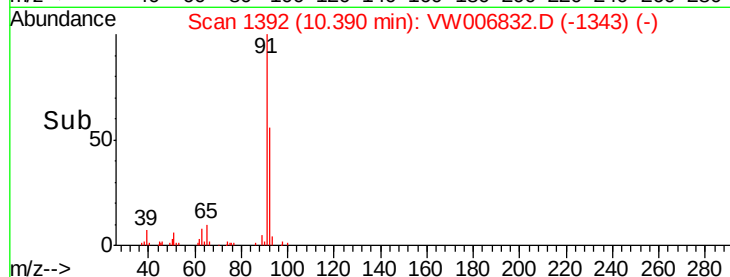
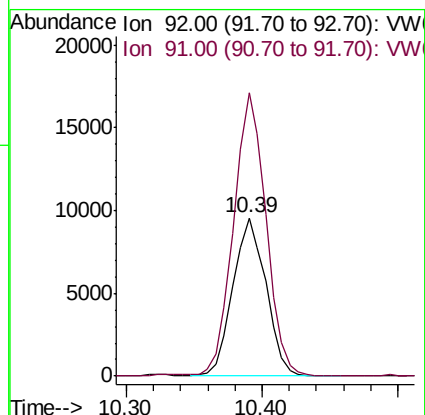
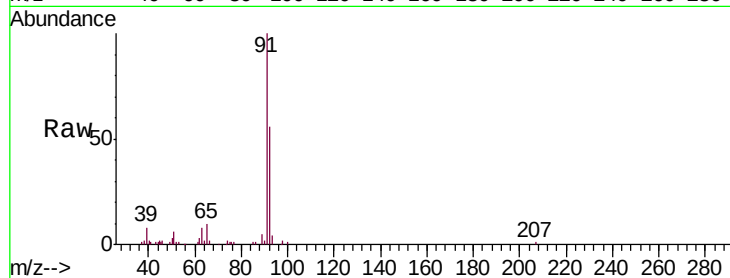
W-4-S

Tgt Ion: 92 Resp: 16231

Ion Ratio Lower Upper

92 100

91 175.1 139.4 209.2



#62

4-Bromofluorobenzene

Concen: 35.059 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006832.D

Acq: 13 Nov 2018 04:01

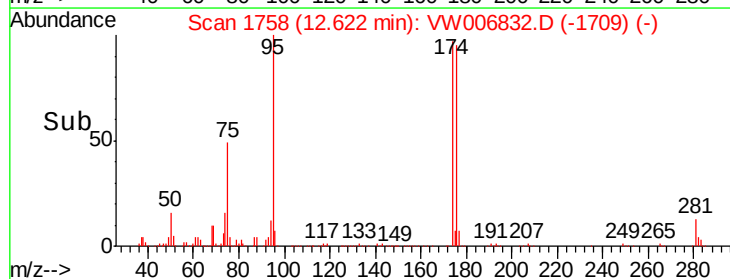
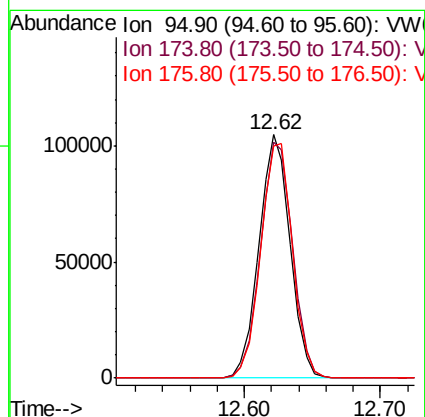
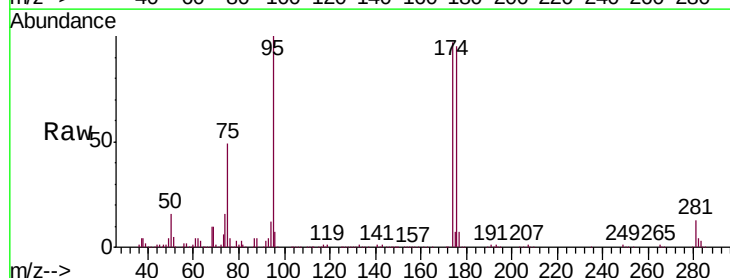
Tgt Ion: 95 Resp: 168274

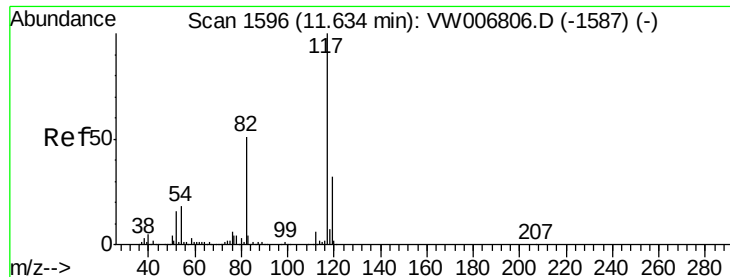
Ion Ratio Lower Upper

95 100

174 99.8 0.0 196.6

176 98.1 0.0 191.6

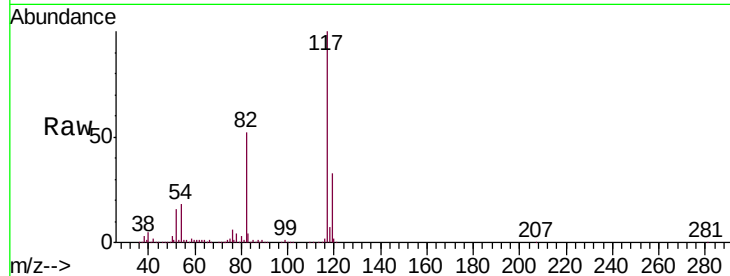




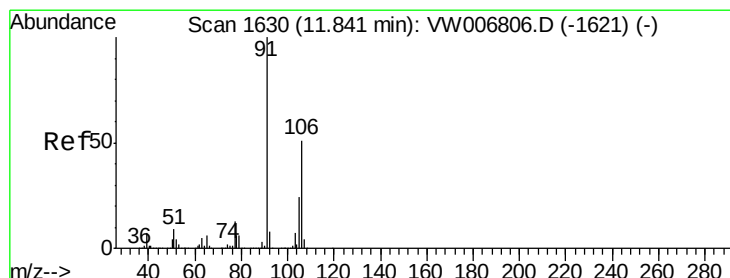
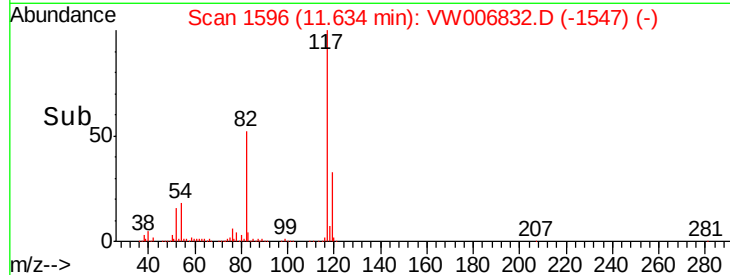
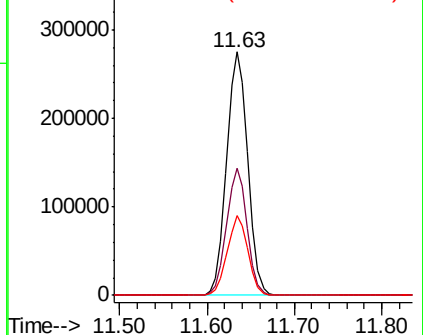
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006832.D
Acq: 13 Nov 2018 04:01

Instrument :
MSVOA_W
ClientSampled :
W-4-S

Tgt Ion:117 Resp: 459539
Ion Ratio Lower Upper
117 100
82 52.2 40.6 61.0
119 32.6 25.5 38.3

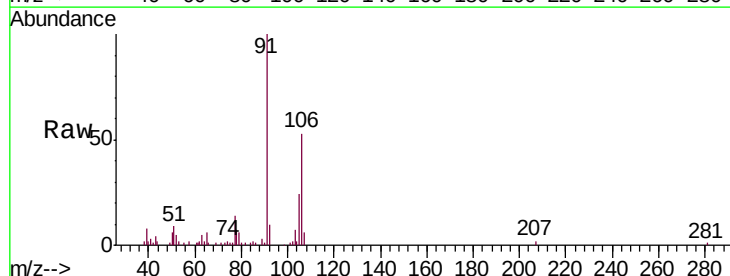


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

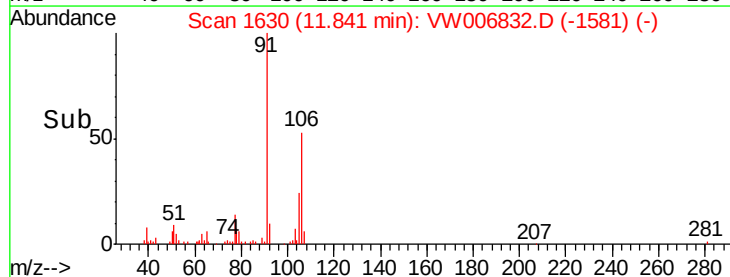
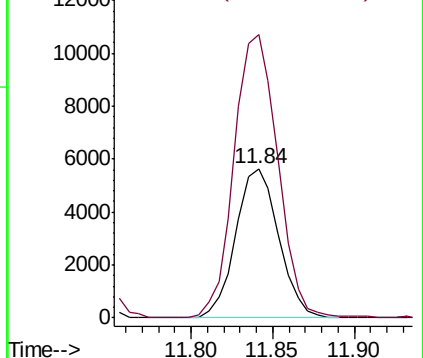


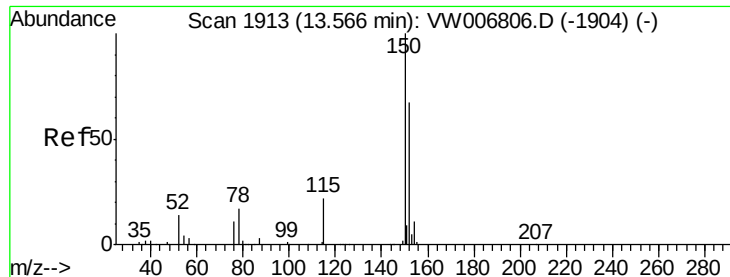
#68
m/p-Xylenes
Concen: 1.459 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006832.D
Acq: 13 Nov 2018 04:01

Tgt Ion:106 Resp: 10376
Ion Ratio Lower Upper
106 100
91 193.4 155.7 233.5



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW



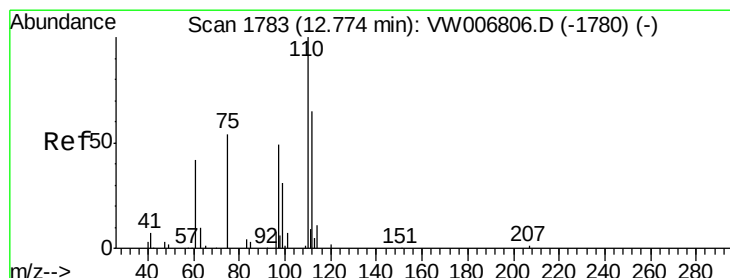
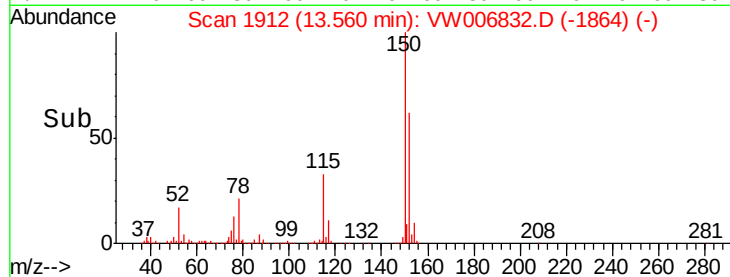
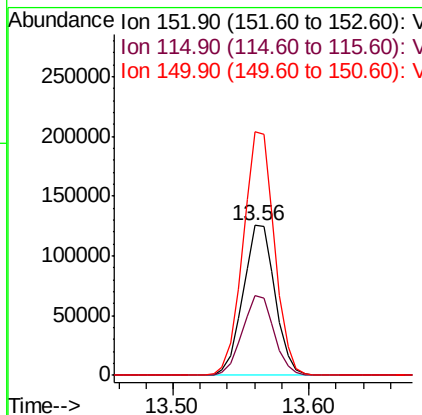
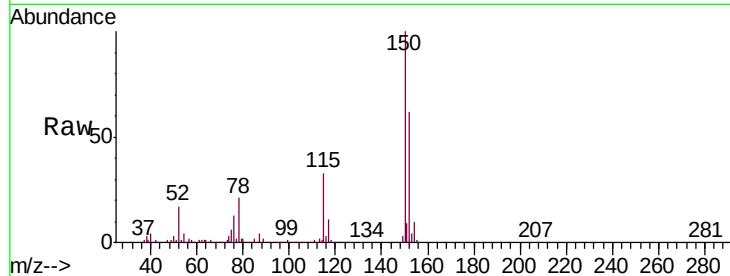


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.01 min
Lab File: VW006832.D
Acq: 13 Nov 2018 04:01

Instrument :
MSVOA_W
ClientSampleId :
W-4-S

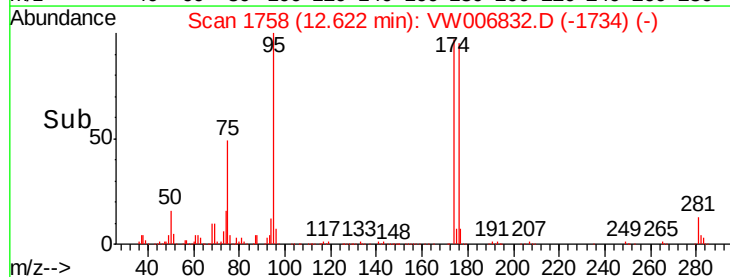
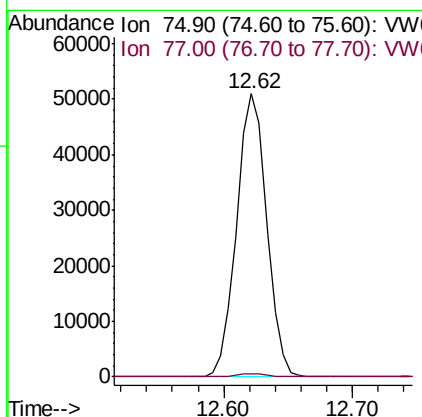
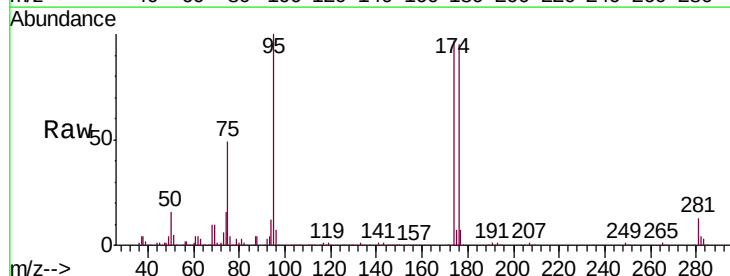
Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.0	27.3	81.8
150	159.4	0.0	353.0

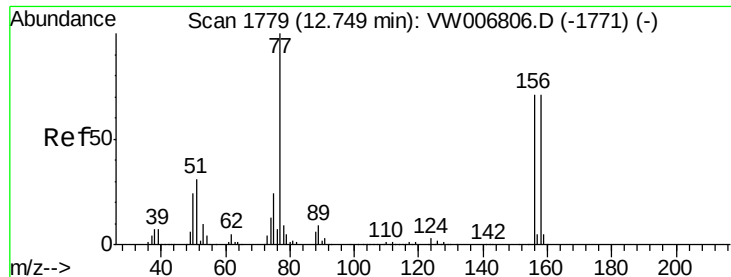


#76

1,2,3-Trichloropropane
Concen: 55.583 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW006832.D
Acq: 13 Nov 2018 04:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#





#77

Bromobenzene

Concen: 1.843 ug/l

RT: 12.92 min Scan# 1807

Delta R.T. 0.17 min

Lab File: VW006832.D

Acq: 13 Nov 2018 04:01

Instrument :

MSVOA_W

ClientSampleId :

W-4-S

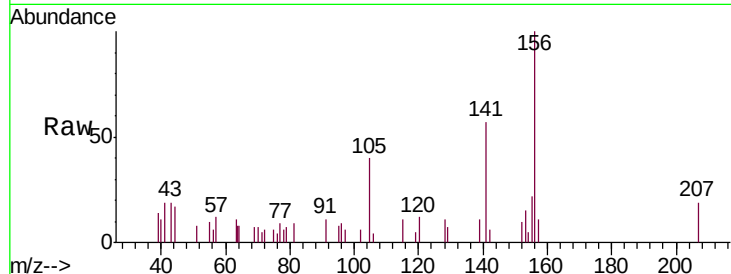
Tgt Ion:156 Resp: 6627

Ion Ratio Lower Upper

156 100

77 5.2 75.3 225.7#

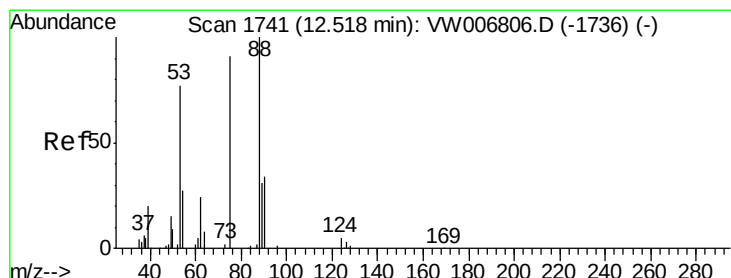
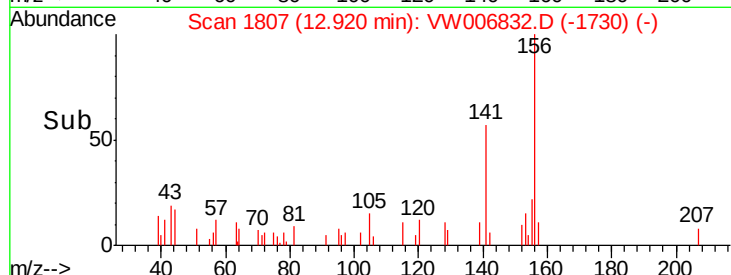
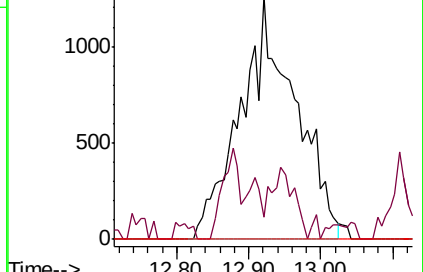
158 0.0 49.2 147.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 137.488 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006832.D

Acq: 13 Nov 2018 04:01

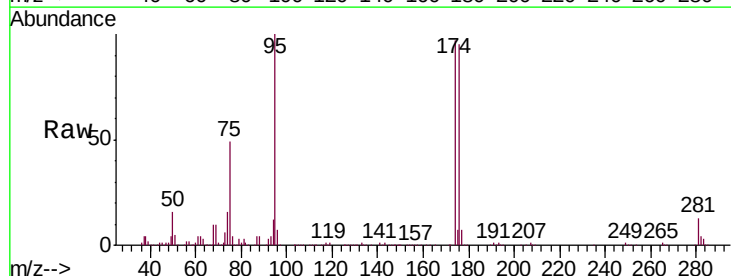
Tgt Ion: 75 Resp: 82318

Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

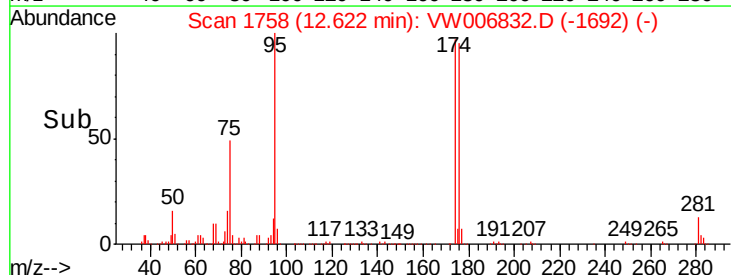
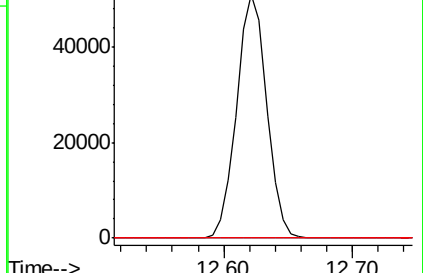
89 0.0 38.7 58.1#

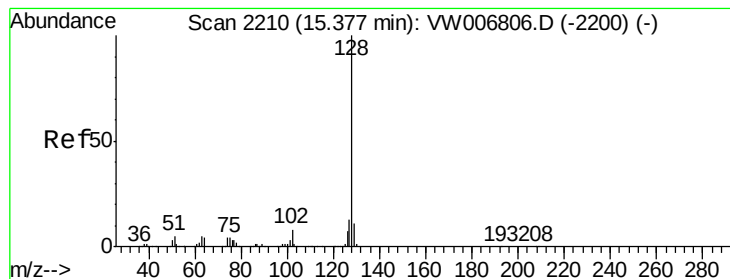


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 3.008 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006832.D

Acq: 13 Nov 2018 04:01

Instrument :

MSVOA_W

ClientSampleId :

W-4-S

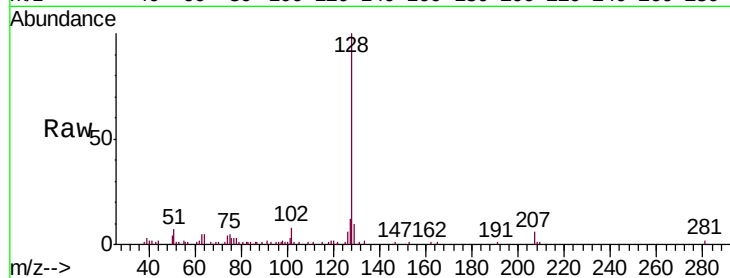
Tgt Ion:128 Resp: 21679

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 12.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

