

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092218\
 Data File : VW005556.D
 Acq On : 21 Sep 2018 13:31
 Operator : VA/AP
 Sample : J5021-09
 Misc : 6.95G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 14:52:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	98575	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	153713	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	138534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	53657	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	53917	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	
35) Dibromofluoromethane	7.89	113	42498	43.96	ug/l	0.00
Spiked Amount			Recovery	=	87.92%	
50) Toluene-d8	10.33	98	142102	36.10	ug/l	0.00
Spiked Amount			Recovery	=	72.20%	
62) 4-Bromofluorobenzene	12.62	95	42487	29.17	ug/l	0.00
Spiked Amount			Recovery	=	58.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	258	1.950	ug/l #	72
13) Acrolein	3.87	56	40	Below Cal	#	13
16) Acetone	4.13	43	1456	Below Cal	#	46
20) Methylene Chloride	4.92	84	8872	5.283	ug/l	90
25) 2-Butanone	7.14	43	1553	5.506	ug/l #	50
26) 2,2-Dichloropropane	7.14	77	1736	1.323	ug/l #	54
31) Cyclohexane	7.95	56	2158	1.199	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	7971	5.151	ug/l #	50
37) Ethyl Acetate	7.14	43	1553	2.385	ug/l #	1
38) Carbon Tetrachloride	7.95	117	10145	6.118	ug/l #	15
51) 4-Methyl-2-Pentanone	10.32	43	697	1.081	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	22379	48.928	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	22379	110.200	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.34	75	163	1.384	ug/l #	4
96) 1,2,3-Trichlorobenzene	15.58	180	2263	2.287	ug/l #	18

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW005556.D

Acq: 21 Sep 2018 13:31

Instrument :

MSVOA_W

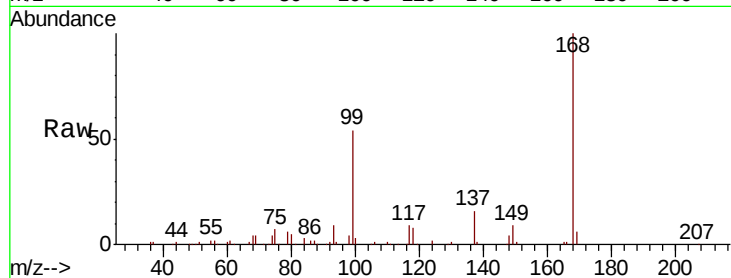
ClientSampled :

Tot Ion:168 Resp: 98575

Ion Ratio Lower Upper

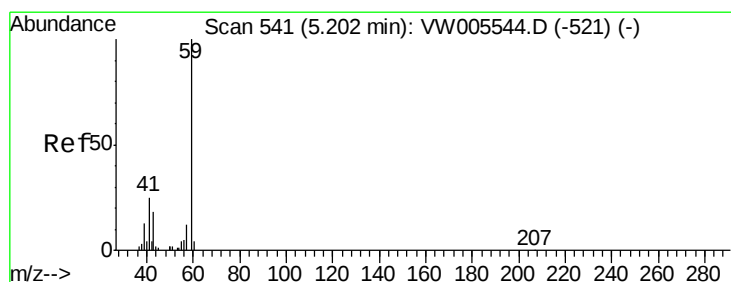
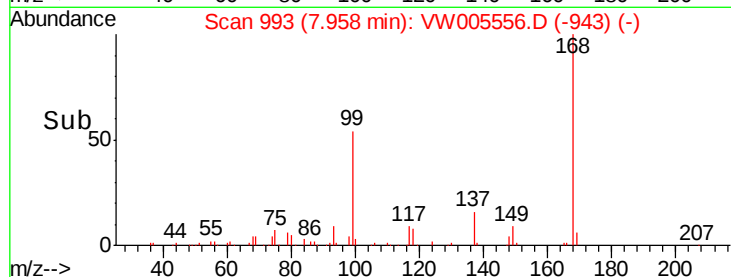
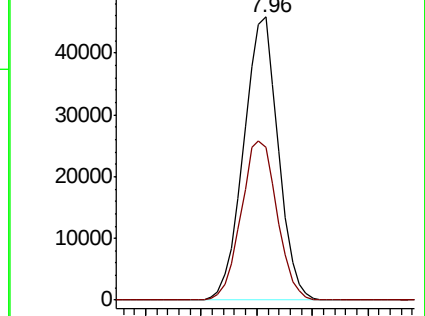
168 100

99 54.2 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.950 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.03 min

Lab File: VW005556.D

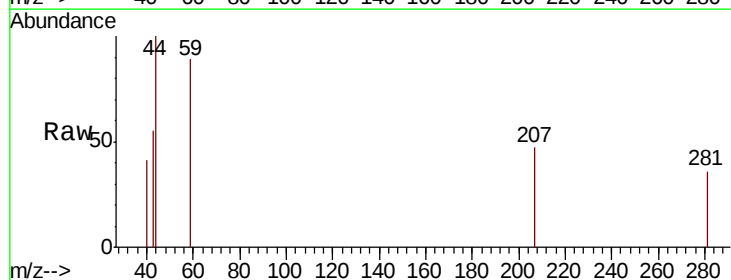
Acq: 21 Sep 2018 13:31

Tgt Ion: 59 Resp: 258

Ion Ratio Lower Upper

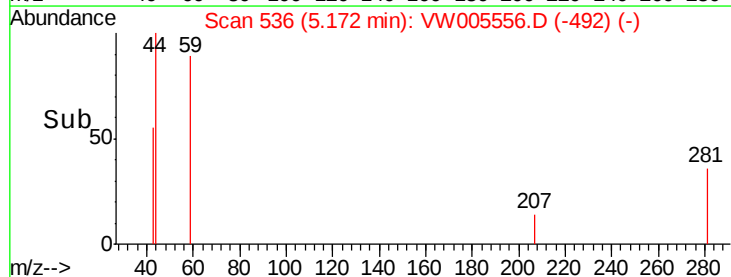
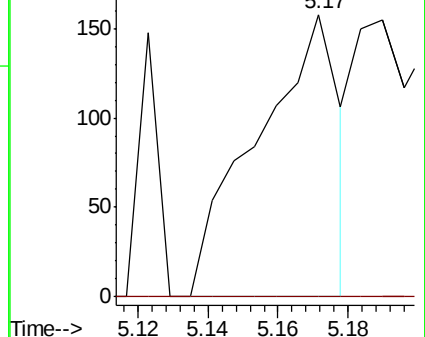
59 100

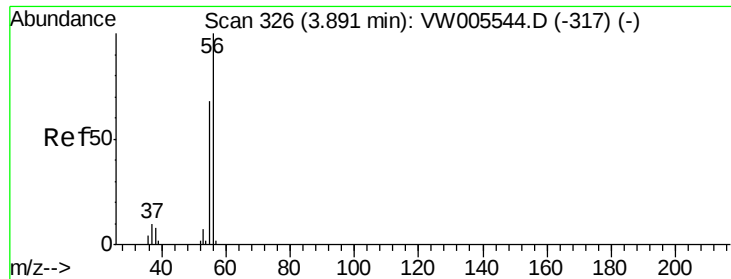
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: Below Cal

RT: 3.87 min Scan# 323

Delta R.T. -0.02 min

Lab File: VW005556.D

Acq: 21 Sep 2018 13:31

Instrument :

MSVOA_W

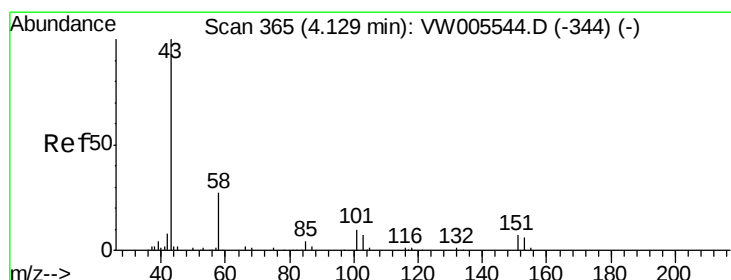
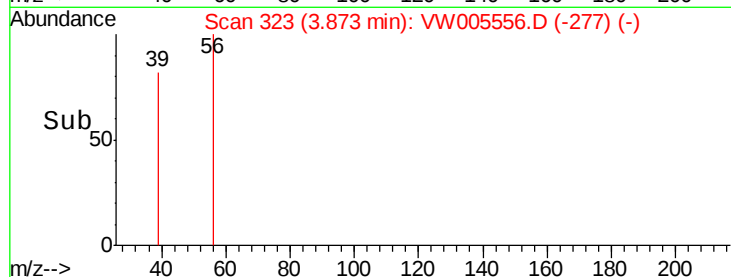
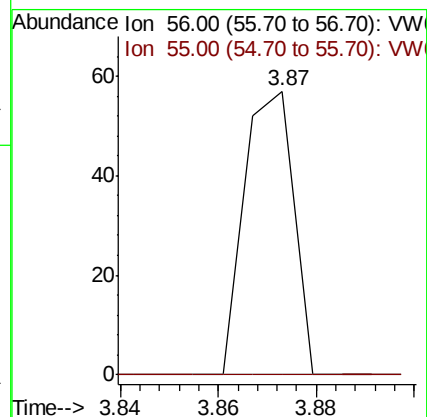
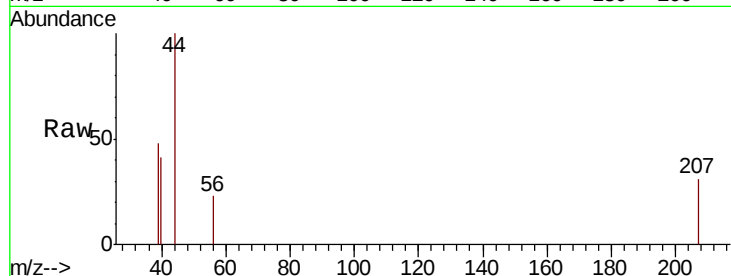
ClientSampled :

Tot Ion: 56 Resp: 40

Ion Ratio Lower Upper

56 100

55 0.0 57.8 86.8#



#16

Acetone

Concen: Below Cal

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW005556.D

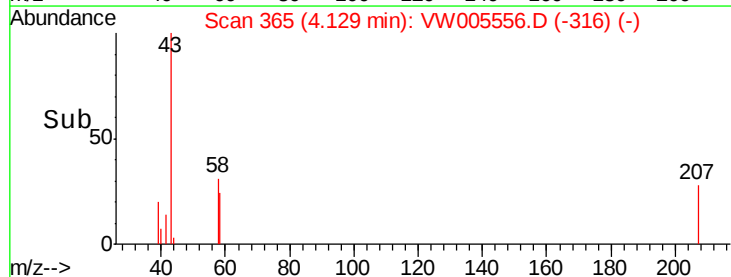
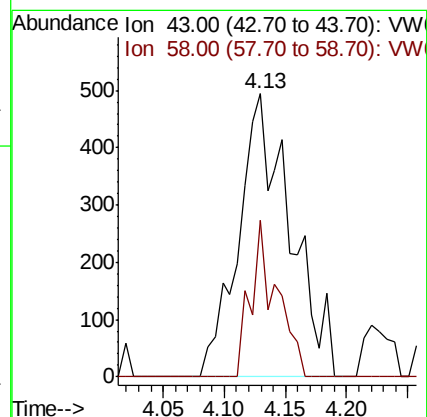
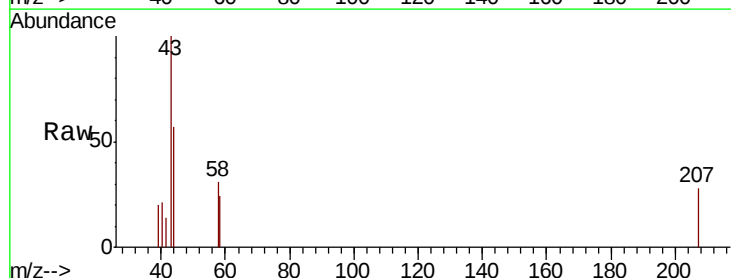
Acq: 21 Sep 2018 13:31

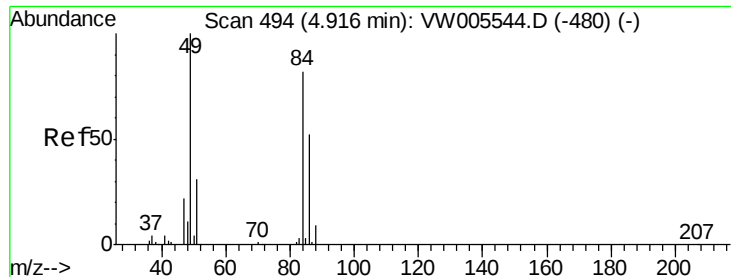
Tgt Ion: 43 Resp: 1456

Ion Ratio Lower Upper

43 100

58 55.5 21.8 32.8#

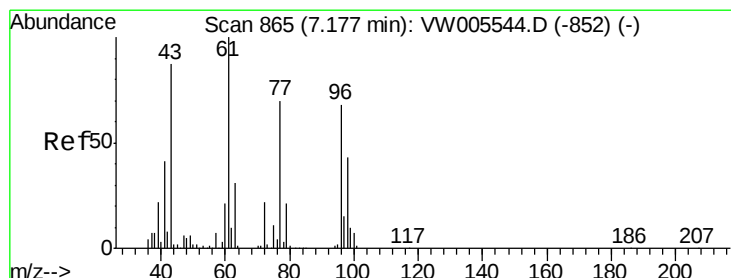
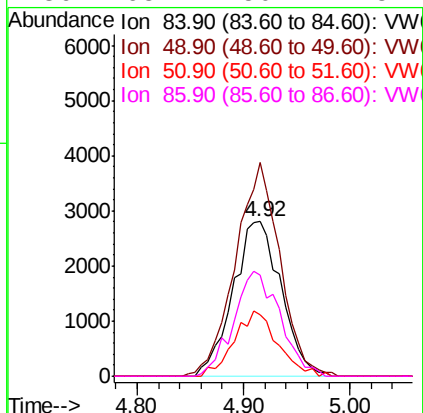
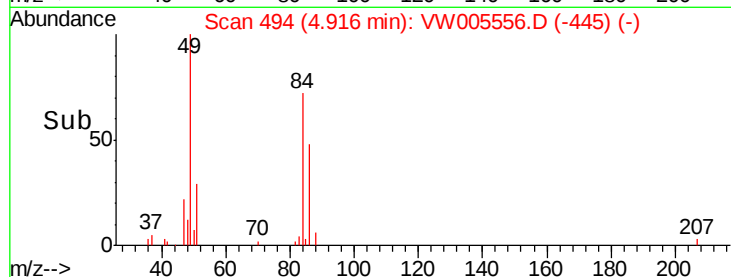
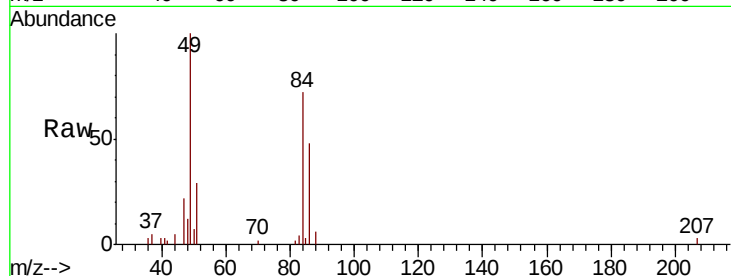




#20
Methylene Chloride
Concen: 5.283 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW005556.D
Acq: 21 Sep 2018 13:31

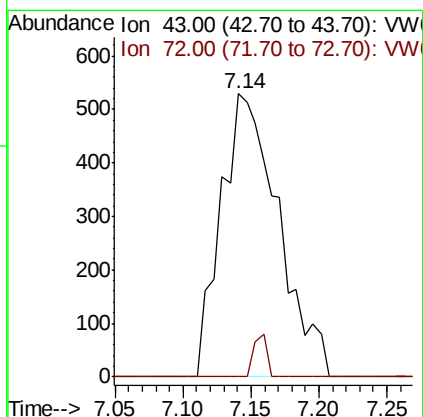
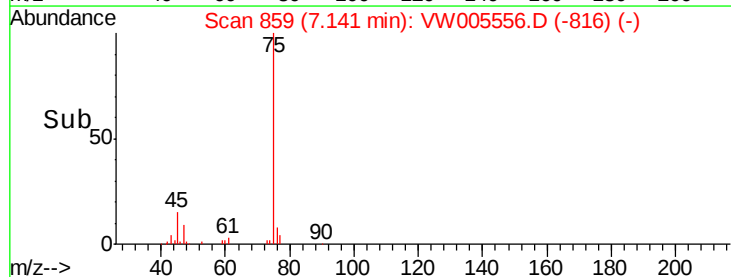
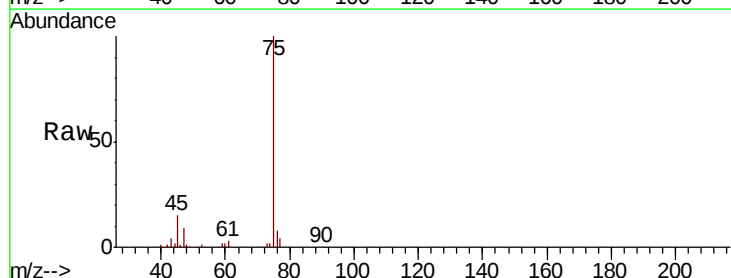
Instrument :
MSVOA_W
ClientSampleId :

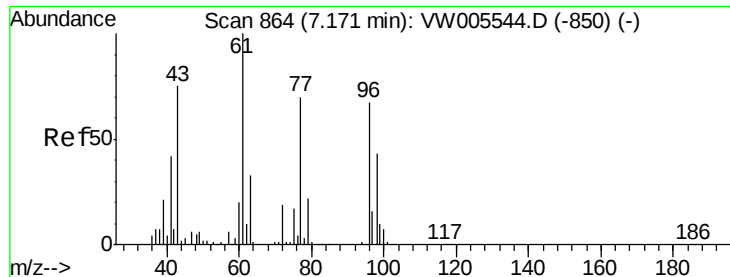
Tot Ion: 84 Resp: 8872
Ion Ratio Lower Upper
84 100
49 138.2 97.0 145.6
51 39.9 30.2 45.2
86 65.7 50.2 75.4



#25
2-Butanone
Concen: 5.506 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.04 min
Lab File: VW005556.D
Acq: 21 Sep 2018 13:31

Tgt Ion: 43 Resp: 1553
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#





#26

2,2-Dichloropropane

Concen: 1.323 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW005556.D

Acq: 21 Sep 2018 13:31

Instrument :

MSVOA_W

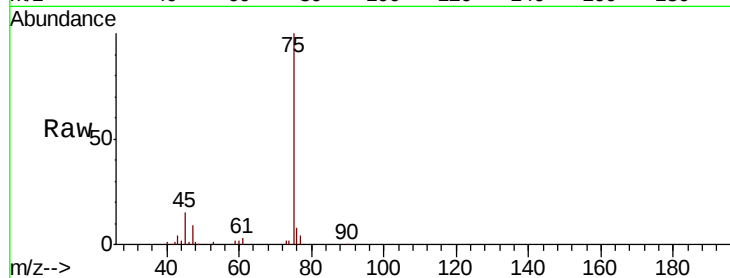
ClientSampleId :

Tot Ion: 77 Resp: 1736

Ion Ratio Lower Upper

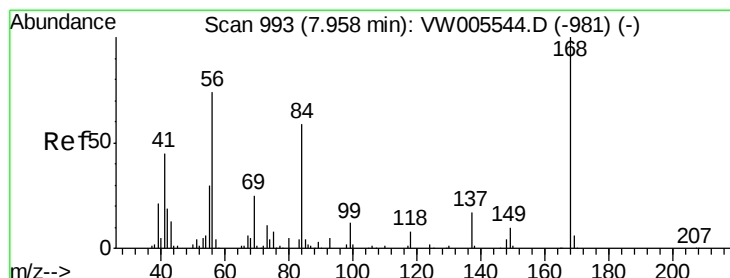
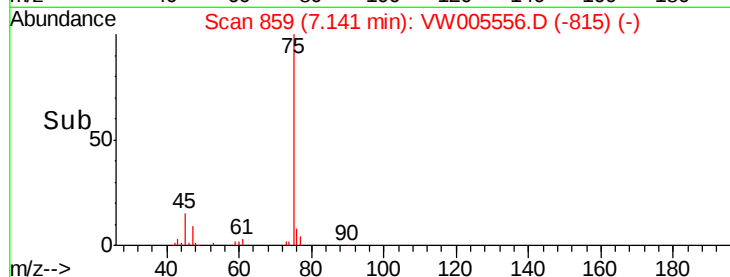
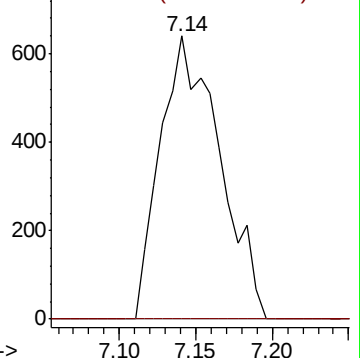
77 100

97 0.0 11.0 33.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#31

Cyclohexane

Concen: 1.199 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005556.D

Acq: 21 Sep 2018 13:31

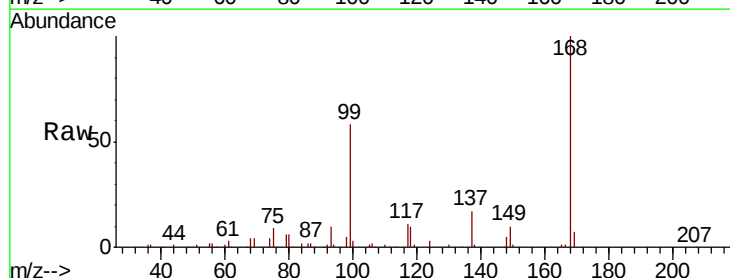
Tgt Ion: 56 Resp: 2158

Ion Ratio Lower Upper

56 100

69 185.3 27.0 40.4#

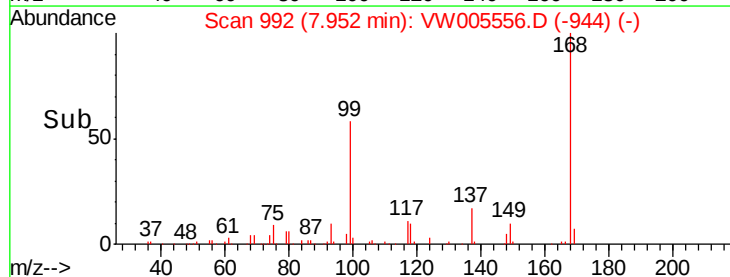
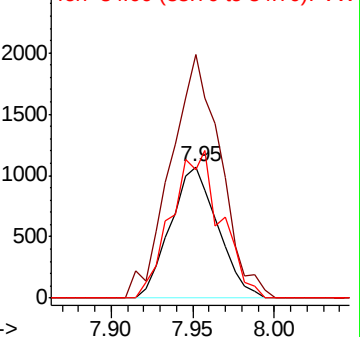
84 97.9 64.2 96.4#

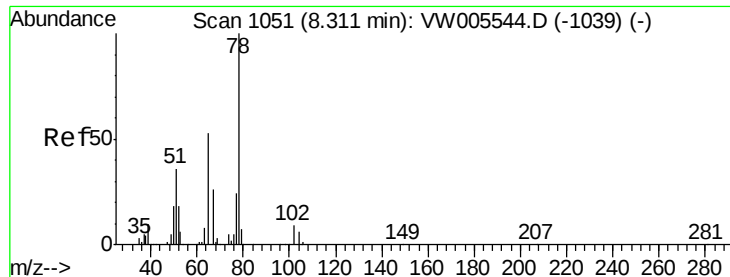


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

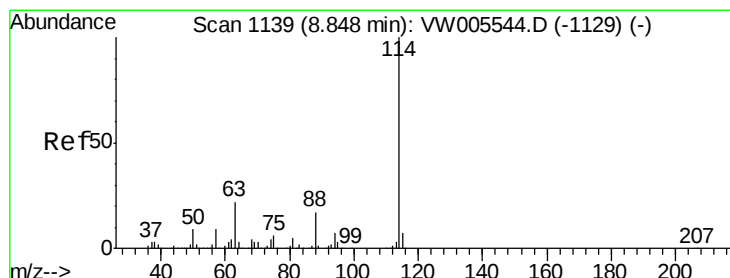
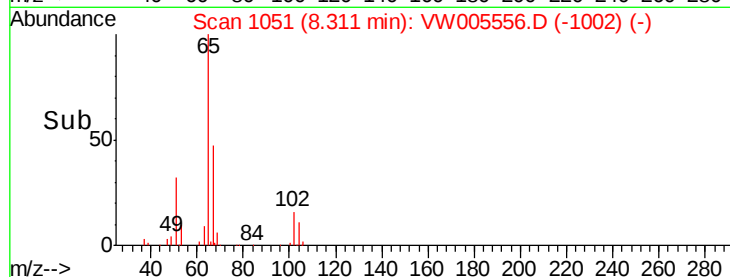
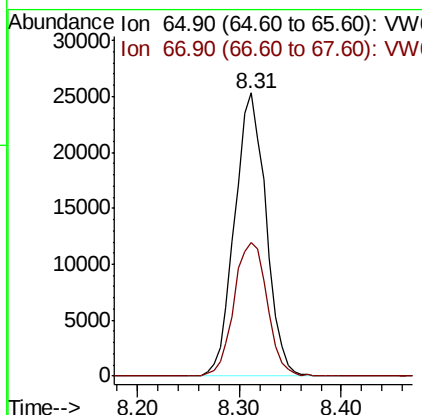
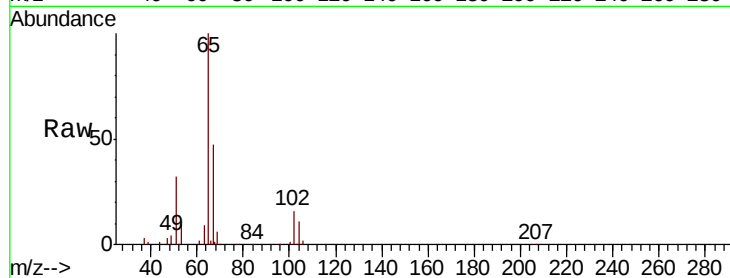




#33
 1,2-Dichloroethane-d4
 Concen: 46.429 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW005556.D
 Acq: 21 Sep 2018 13:31

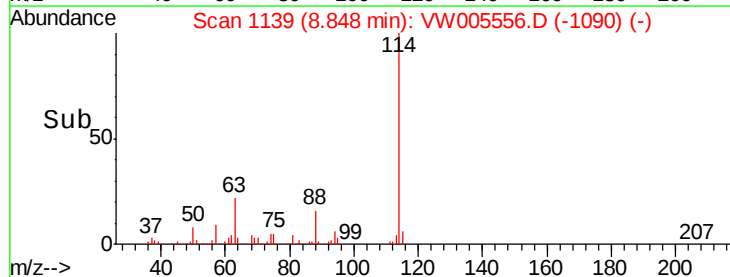
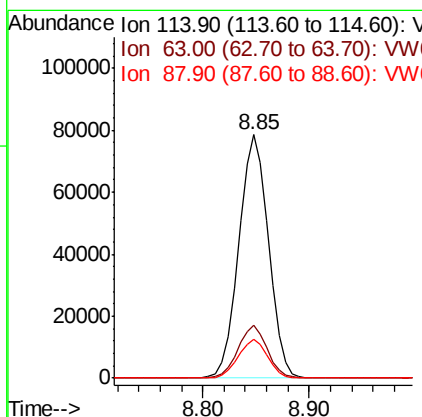
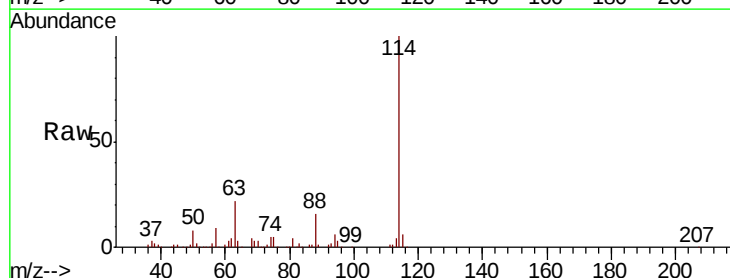
Instrument :
 MSVOA_W
 ClientSampled :

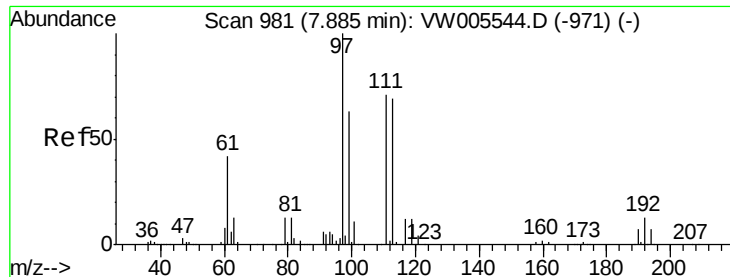
Tot Ion: 65 Resp: 53917
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005556.D
 Acq: 21 Sep 2018 13:31

Tgt Ion: 114 Resp: 153713
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.0
 88 16.0 0.0 33.0

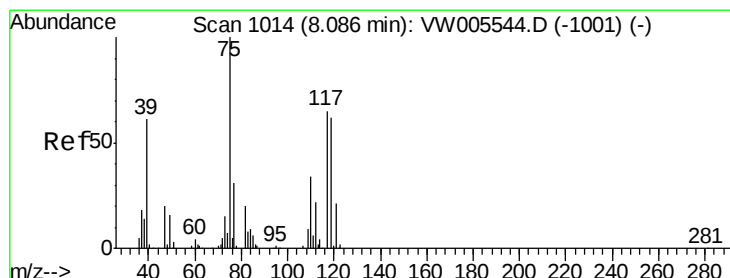
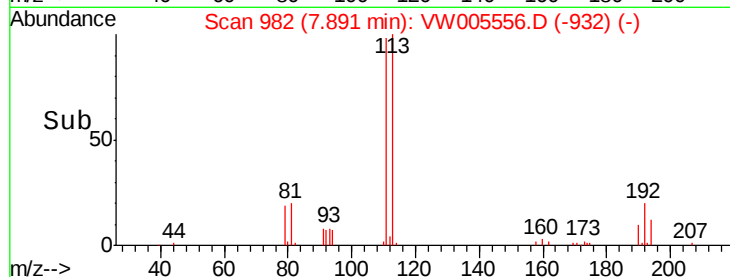
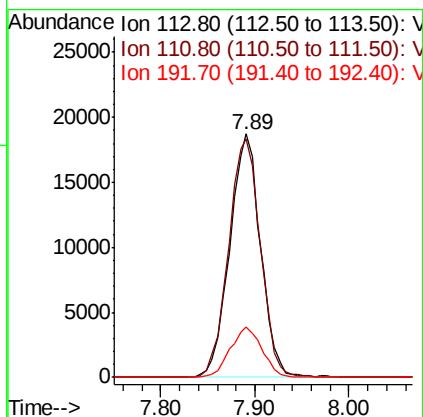
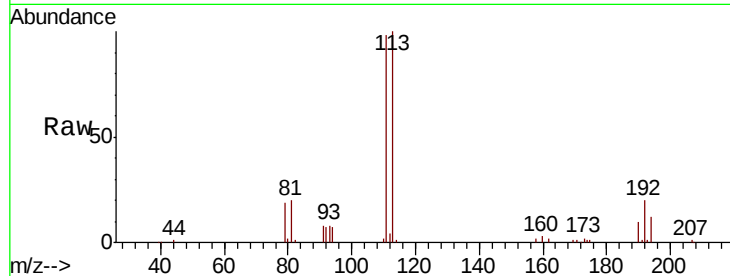




#35
 Dibromofluoromethane
 Concen: 43.965 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005556.D
 Acq: 21 Sep 2018 13:31

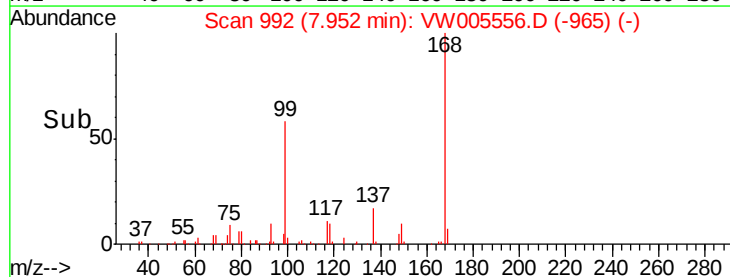
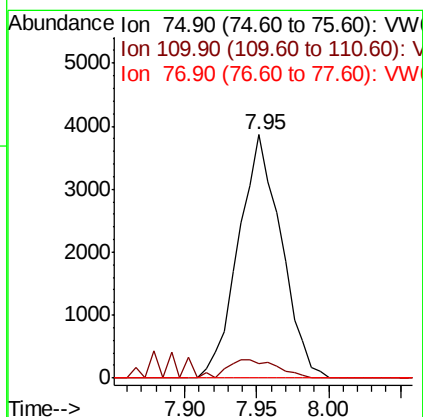
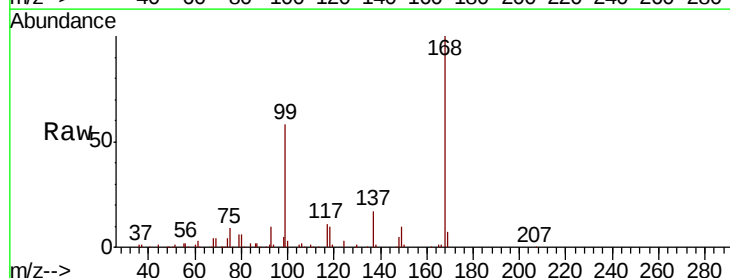
Instrument :
 MSVOA_W
 ClientSampled :

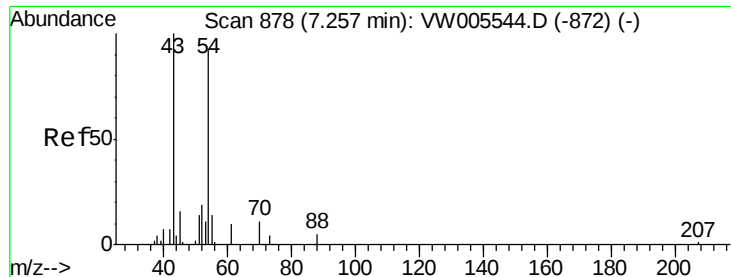
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.6	123.8
192	21.2	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 5.151 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005556.D
 Acq: 21 Sep 2018 13:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.0	50.9#
77	0.0	24.8	37.2#

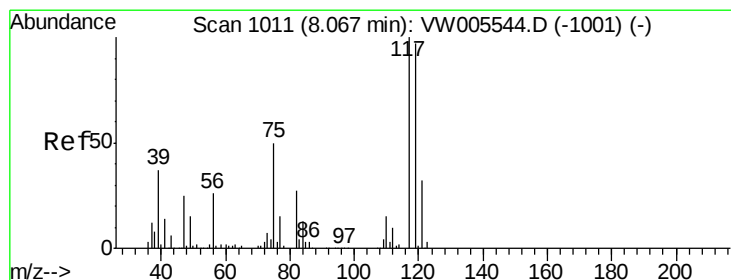
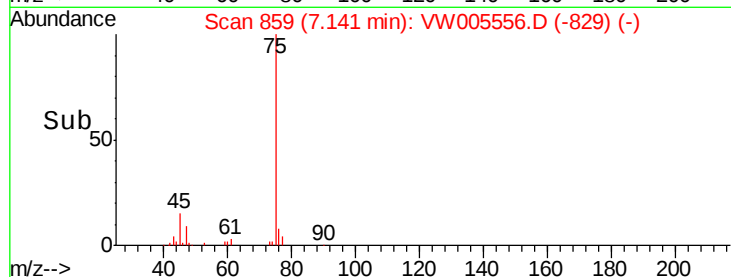
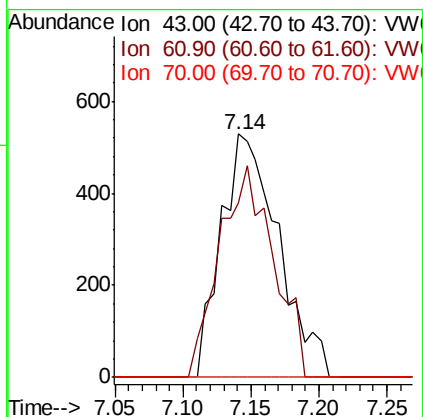
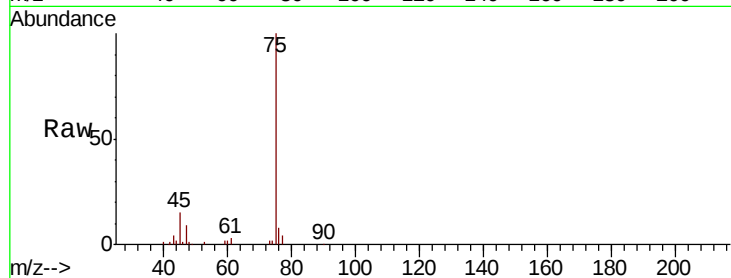




#37
Ethyl Acetate
Concen: 2.385 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.12 min
Lab File: VW005556.D
Acq: 21 Sep 2018 13:31

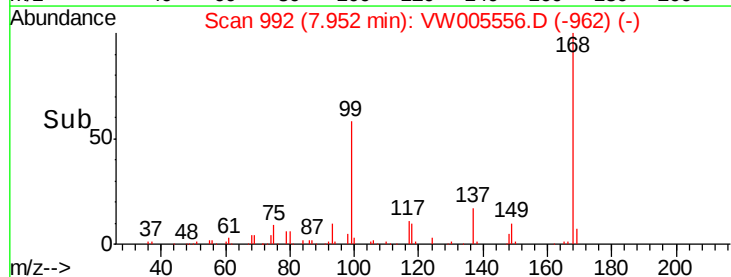
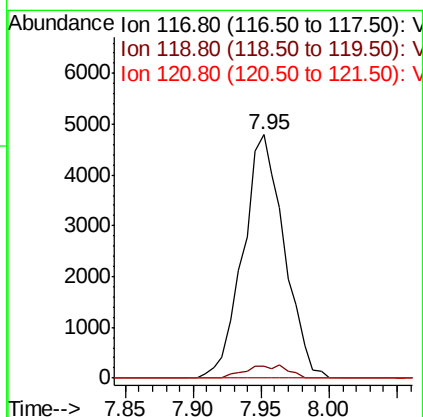
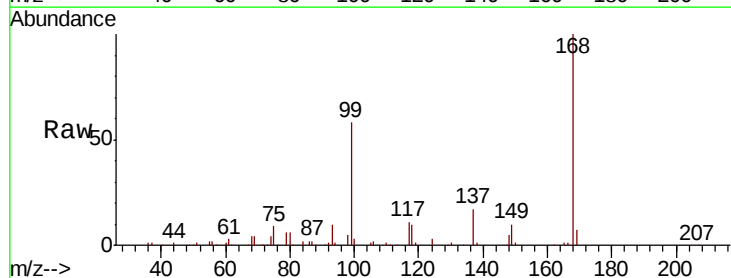
Instrument :
MSVOA_W
ClientSampleId :

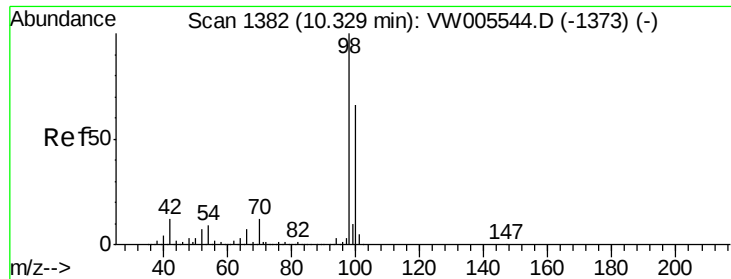
Tot Ion: 43 Resp: 1553
Ion Ratio Lower Upper
43 100
61 81.7 10.4 15.6#
70 0.0 8.2 12.2#



#38
Carbon Tetrachloride
Concen: 6.118 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW005556.D
Acq: 21 Sep 2018 13:31

Tgt Ion: 117 Resp: 10145
Ion Ratio Lower Upper
117 100
119 5.1 77.6 116.4#
121 0.0 25.7 38.5#





#50

Toluene-d8

Concen: 36.104 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005556.D

Acq: 21 Sep 2018 13:31

Instrument :

MSVOA_W

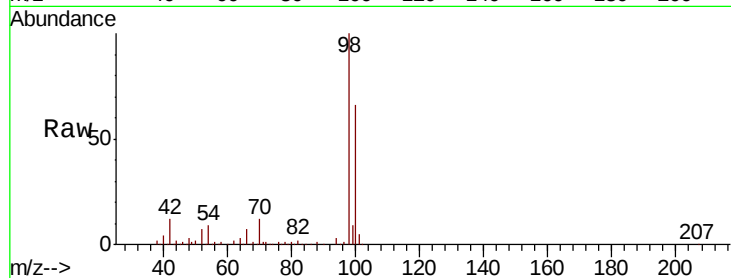
ClientSampleId :

Tot Ion: 98 Resp: 142102

Ion Ratio Lower Upper

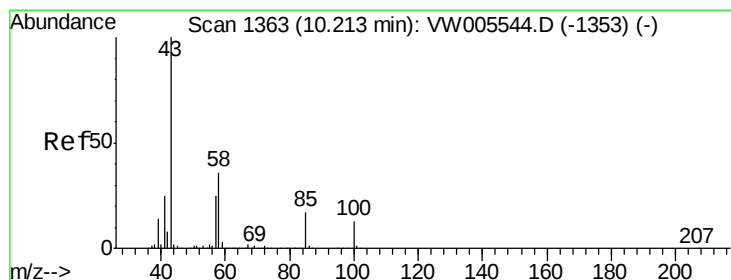
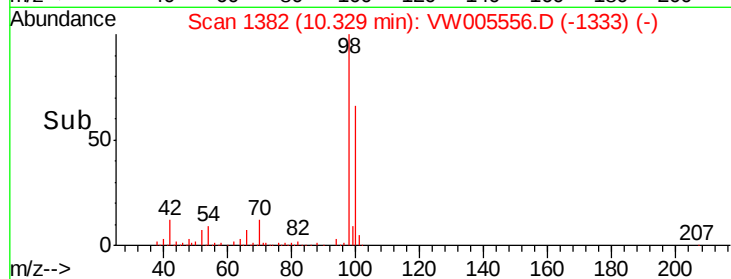
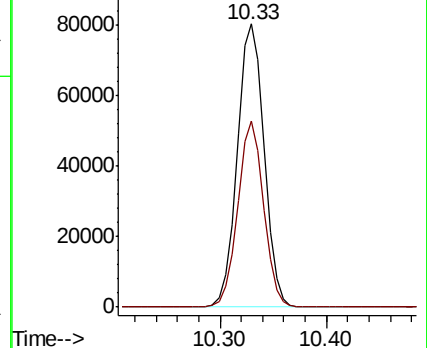
98 100

100 63.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.081 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW005556.D

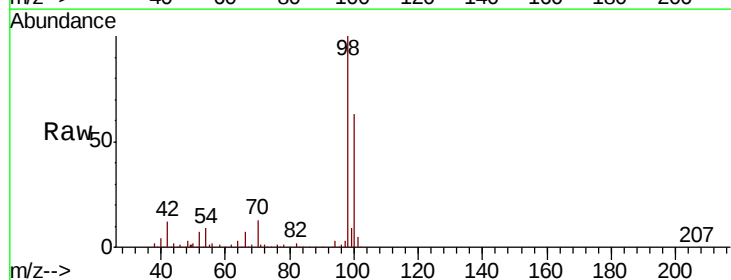
Acq: 21 Sep 2018 13:31

Tgt Ion: 43 Resp: 697

Ion Ratio Lower Upper

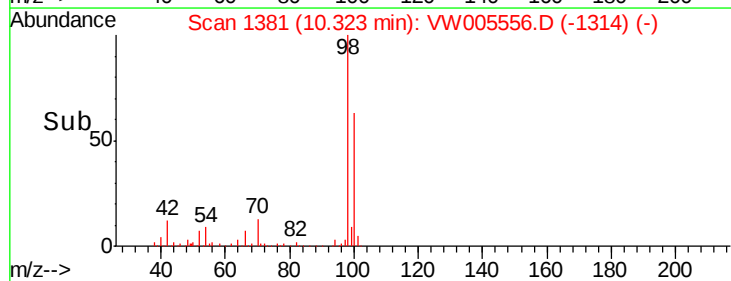
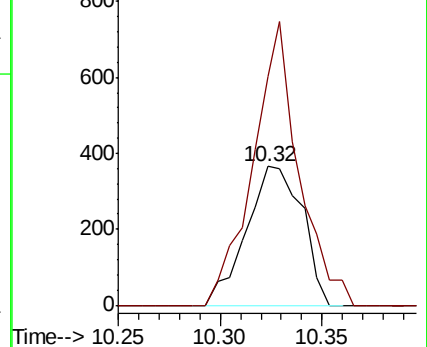
43 100

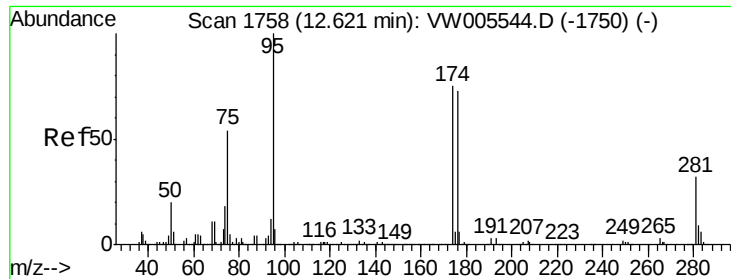
58 168.0 30.0 45.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#62

4-Bromofluorobenzene

Concen: 29.173 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW005556.D

Acq: 21 Sep 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

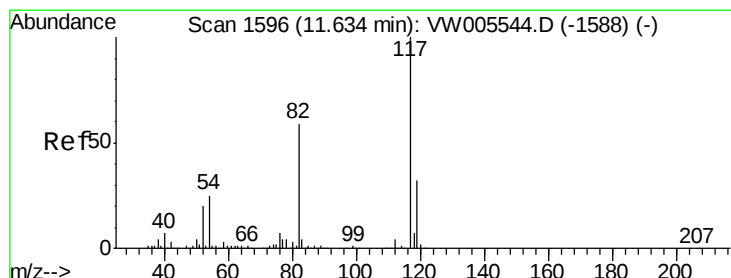
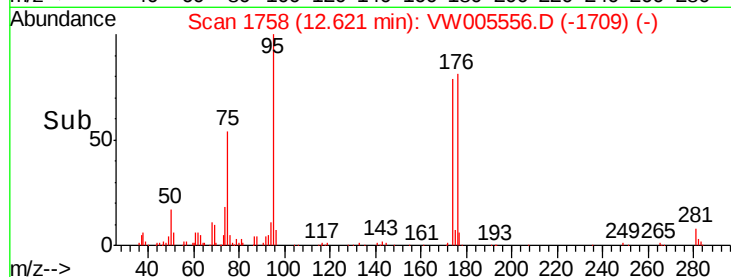
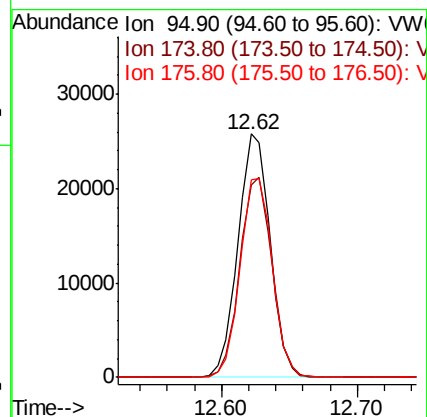
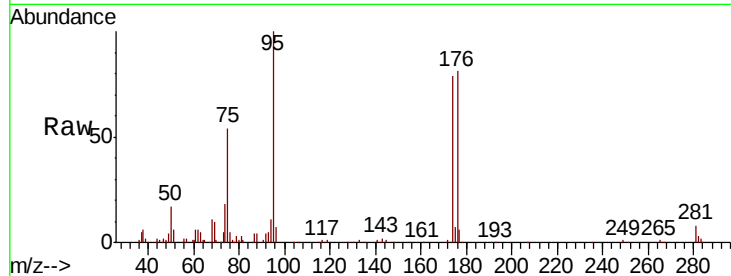
Tot Ion: 95 Resp: 42487

Ion Ratio Lower Upper

95 100

174 82.3 0.0 163.8

176 82.0 0.0 158.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. 0.01 min

Lab File: VW005556.D

Acq: 21 Sep 2018 13:31

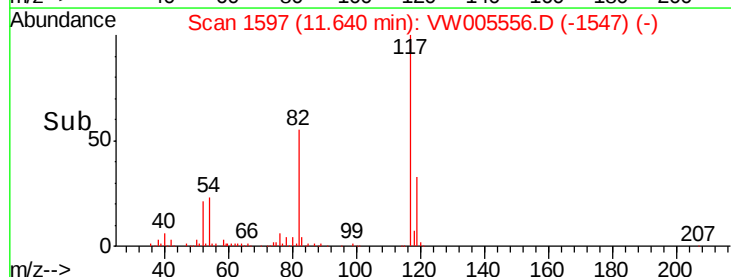
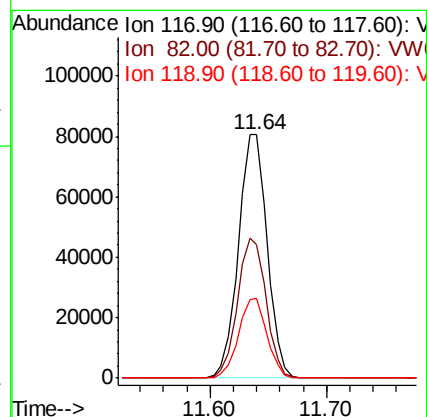
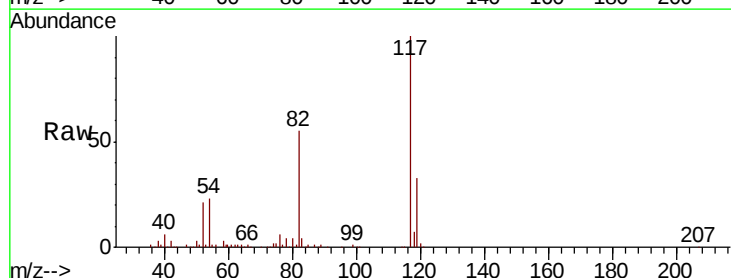
Tgt Ion: 117 Resp: 138534

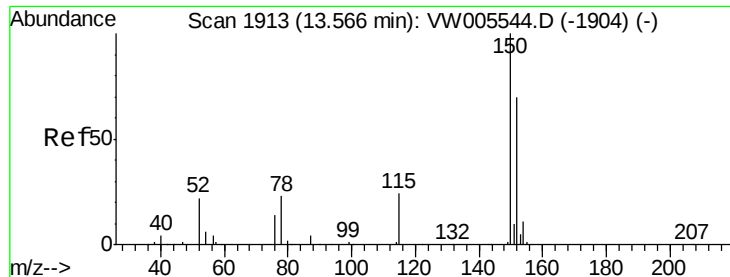
Ion Ratio Lower Upper

117 100

82 55.0 46.9 70.3

119 33.0 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW005556.D

Acq: 21 Sep 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

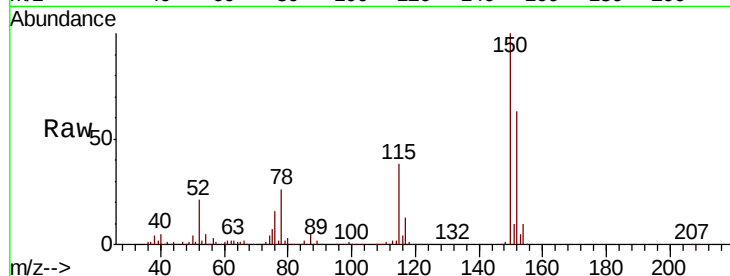
Tot Ion:152 Resp: 53657

Ion Ratio Lower Upper

152 100

115 58.6 30.0 90.0

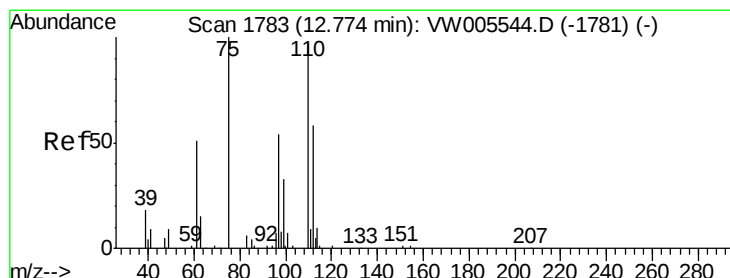
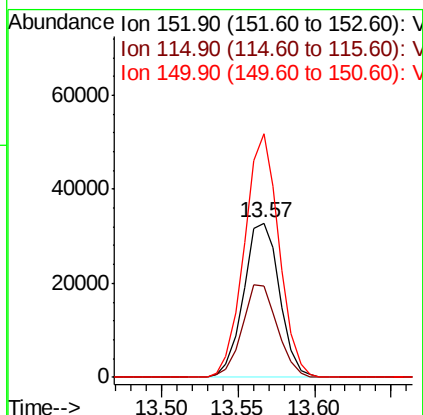
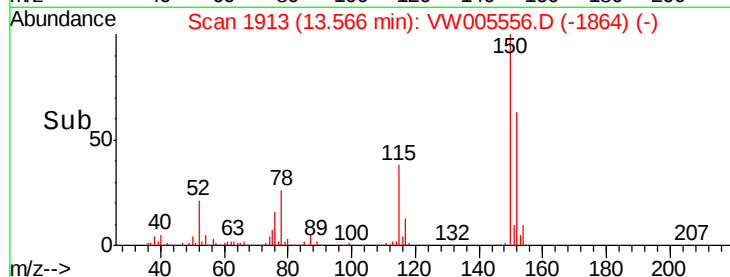
150 151.6 0.0 348.6



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: 48.928 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005556.D

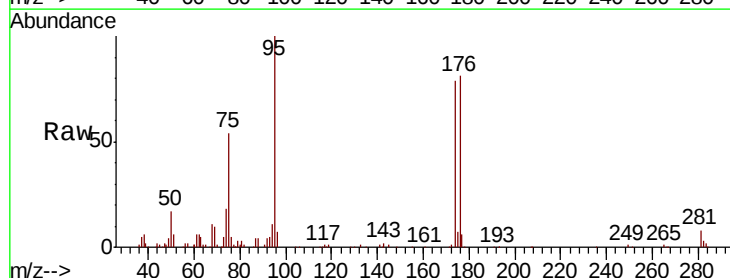
Acq: 21 Sep 2018 13:31

Tgt Ion: 75 Resp: 22379

Ion Ratio Lower Upper

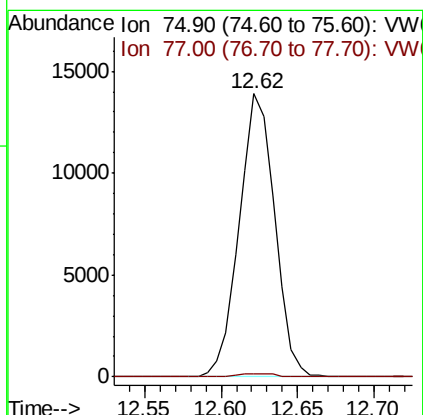
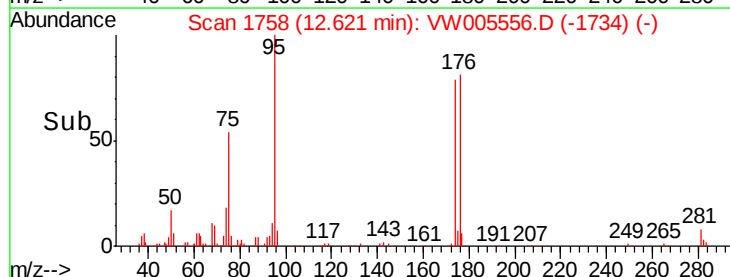
75 100

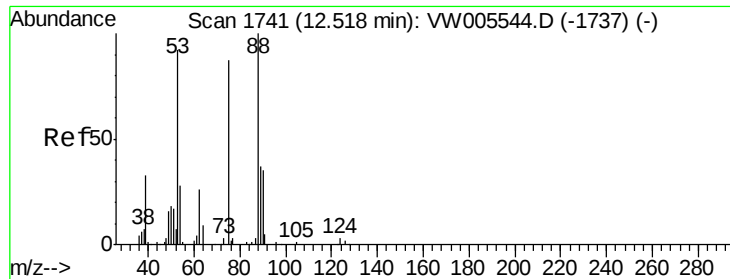
77 1.1 0.0 0.0#



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: 110.200 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005556.D

Acq: 21 Sep 2018 13:31

Instrument :

MSVOA_W

ClientSampleId :

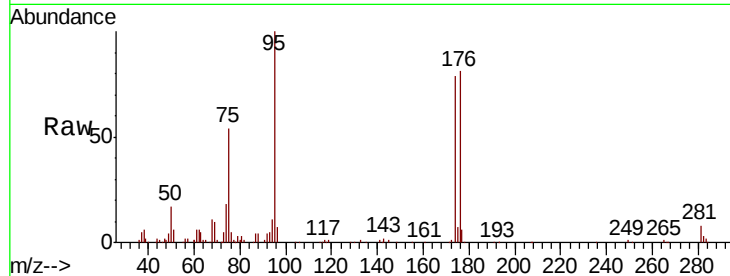
Tot Ion: 75 Resp: 22379

Ion Ratio Lower Upper

75 100

53 0.2 85.8 128.6#

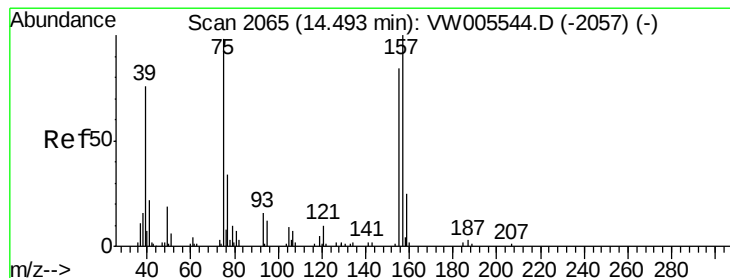
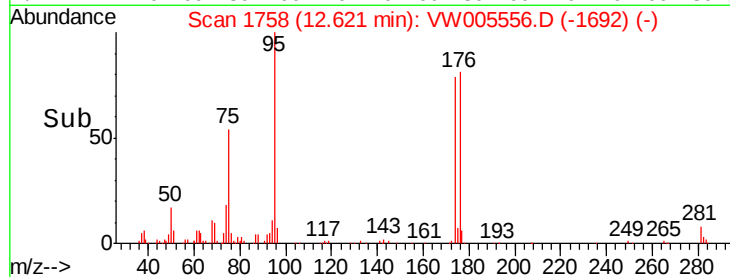
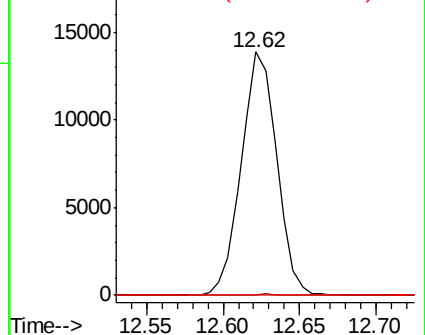
89 0.0 37.3 55.9#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.384 ug/l

RT: 14.34 min Scan# 2040

Delta R.T. -0.15 min

Lab File: VW005556.D

Acq: 21 Sep 2018 13:31

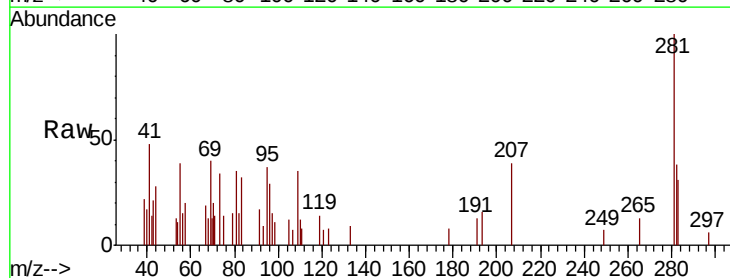
Tgt Ion: 75 Resp: 163

Ion Ratio Lower Upper

75 100

155 0.0 39.1 117.5#

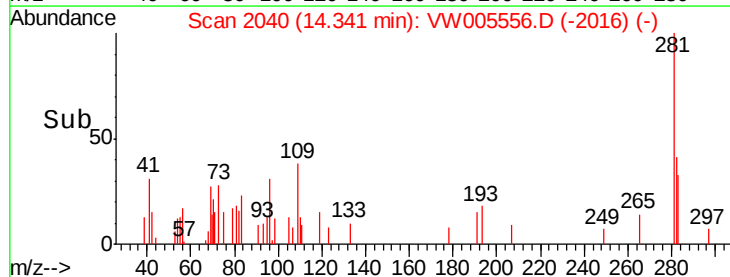
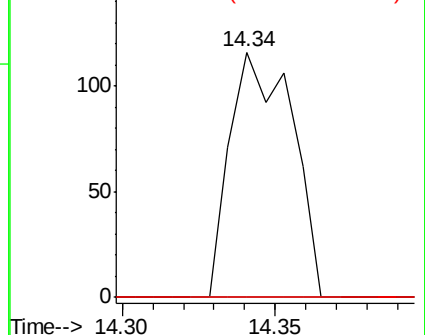
157 0.0 50.8 152.4#

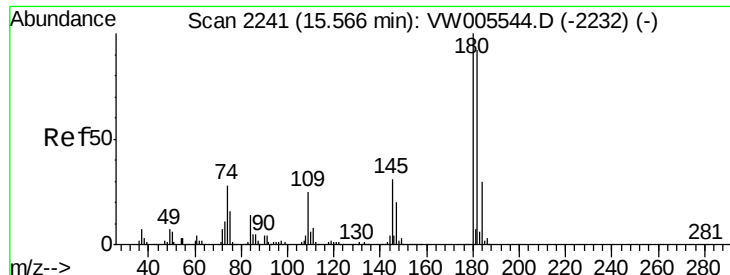


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#96
 1,2,3-Trichlorobenzene
 Concen: 2.287 ug/l
 RT: 15.58 min Scan# 2244
 Delta R.T. 0.02 min
 Lab File: VW005556.D
 Acq: 21 Sep 2018 13:31

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	20.8	47.3	141.9#
145	86.2	16.0	47.9#

