

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022719\
 Data File : VW008857.D
 Acq On : 27 Feb 2019 16:22
 Operator : SY/VA
 Sample : K1594-39RE
 Misc : 4.73G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 28 07:03:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	350812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	541294	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	475732	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	215800	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	191259	58.13	ug/l	0.00
Spiked Amount			Recovery	=	116.26%	
35) Dibromofluoromethane	7.88	113	170096	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
50) Toluene-d8	10.32	98	637031	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.62	95	216784	44.13	ug/l	0.00
Spiked Amount			Recovery	=	88.26%	

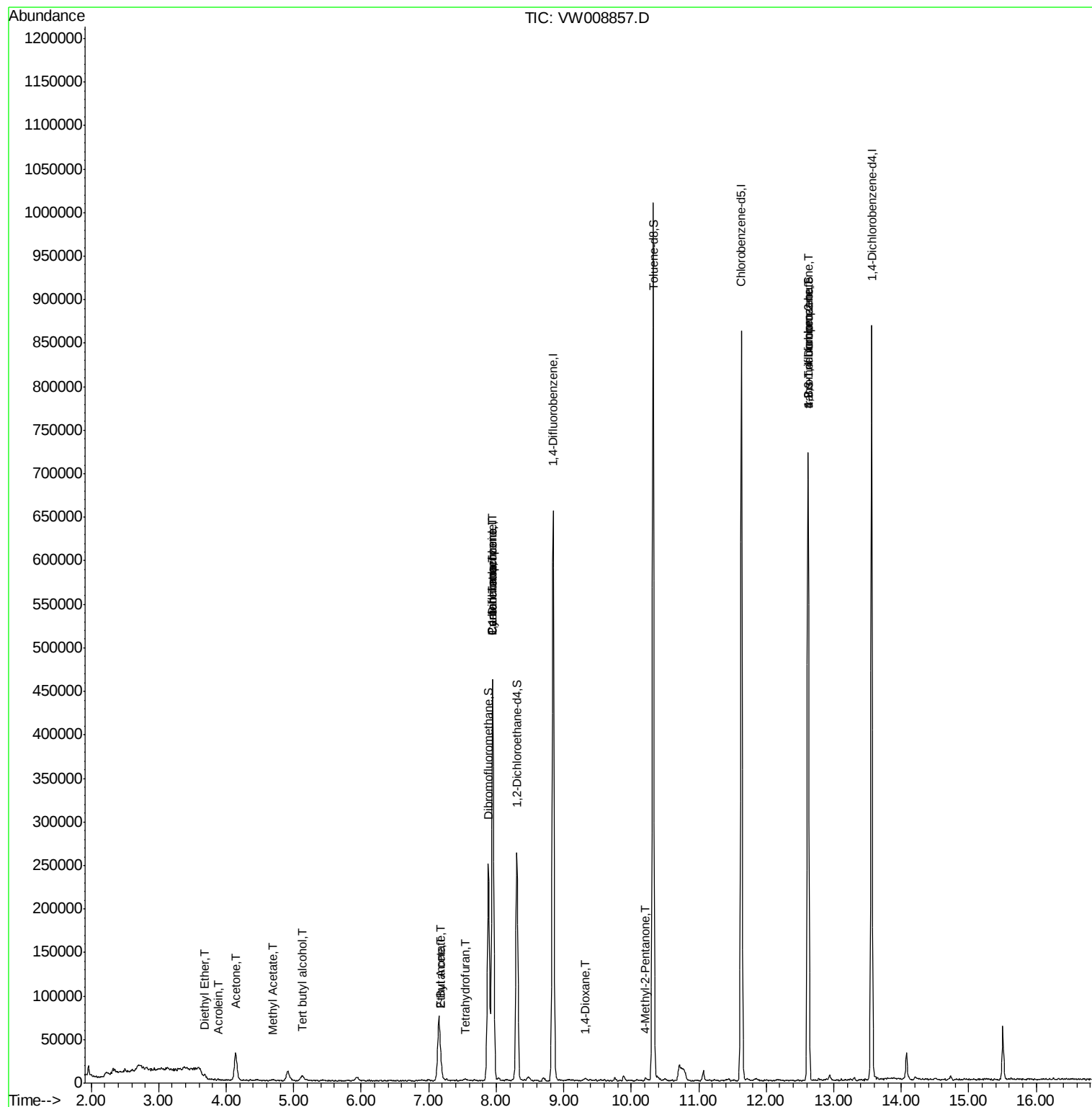
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2470	1.362	ug/l	92
11) Tert butyl alcohol	5.13	59	5170	17.650	ug/l #	76
13) Acrolein	3.88	56	261	20.558	ug/l #	50
16) Acetone	4.14	43	57865	75.872	ug/l	96
18) Methyl Acetate	4.68	43	2136	1.181	ug/l #	78
20) Methylene Chloride	4.91	84	7725	Below Cal	#	77
25) 2-Butanone	7.18	43	11759	11.028	ug/l	99
29) Tetrahydrofuran	7.53	42	1858	2.734	ug/l #	68
31) Cyclohexane	7.95	56	8148	1.314	ug/l #	39
36) 1,1-Dichloropropene	7.95	75	27293	5.180	ug/l #	51
37) Ethyl Acetate	7.18	43	11305	4.614	ug/l #	71
38) Carbon Tetrachloride	7.95	117	33411	6.013	ug/l #	16
49) 1,4-Dioxane	9.33	88	66	2.084	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	2739	1.103	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	111416	62.533	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	111416	152.022	ug/l #	6

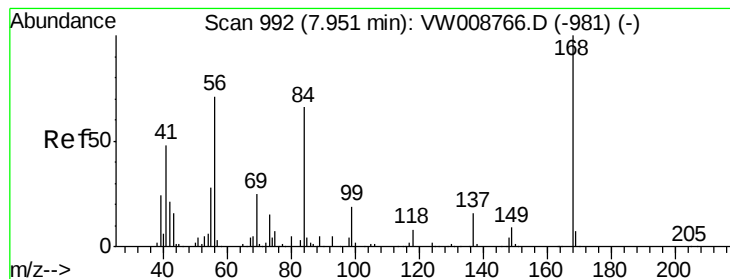
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022719\
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Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
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: VW008857.D

Acq: 27 Feb 2019 16:22

Instrument :

MSVOA_W

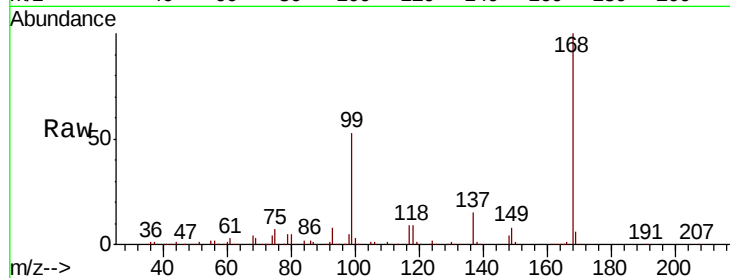
ClientSampled :

Tot Ion:168 Resp: 350812

Ion Ratio Lower Upper

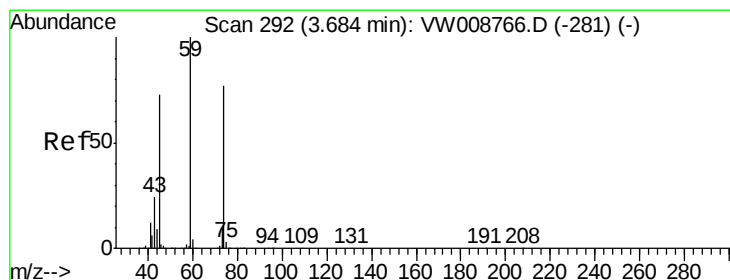
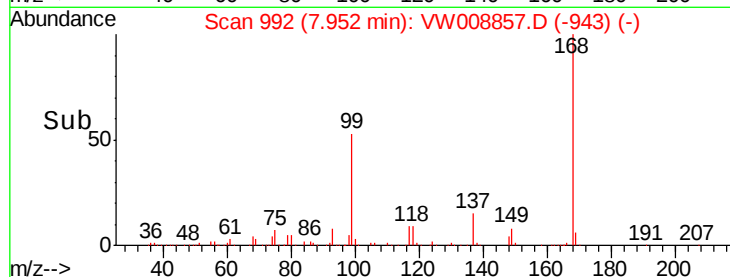
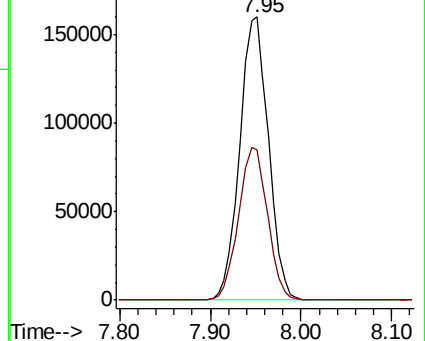
168 100

99 53.1 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.362 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW008857.D

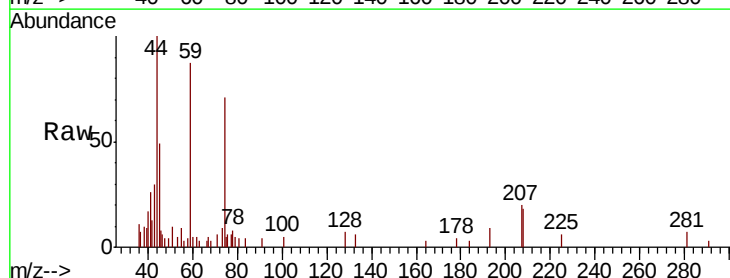
Acq: 27 Feb 2019 16:22

Tgt Ion: 74 Resp: 2470

Ion Ratio Lower Upper

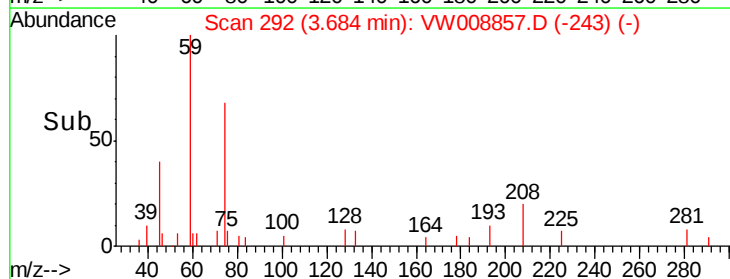
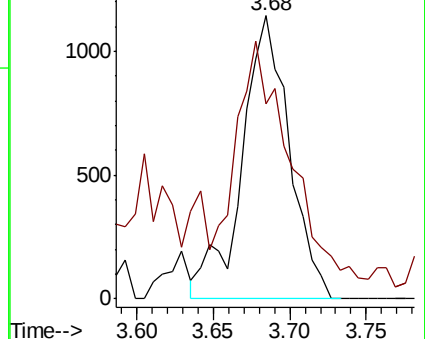
74 100

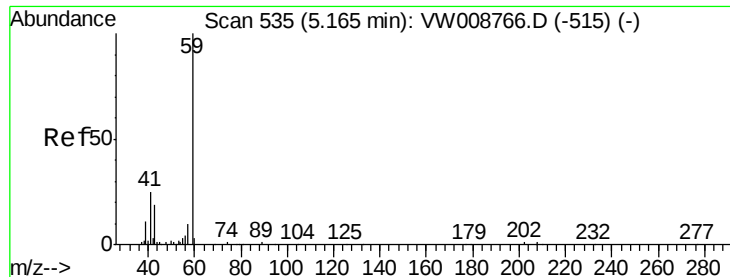
45 92.7 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



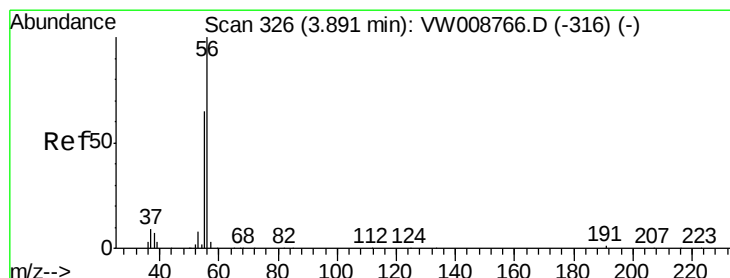
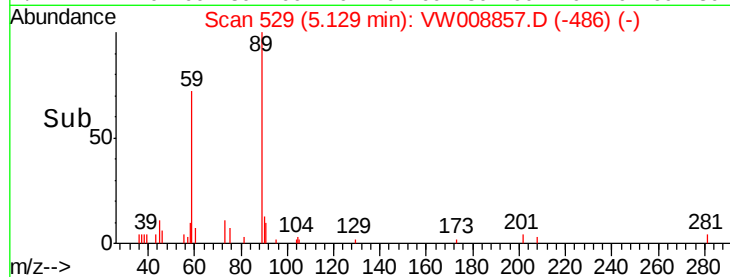
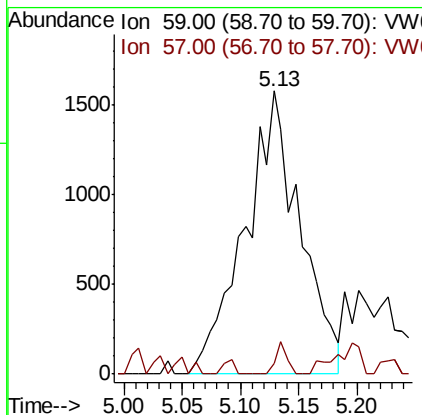
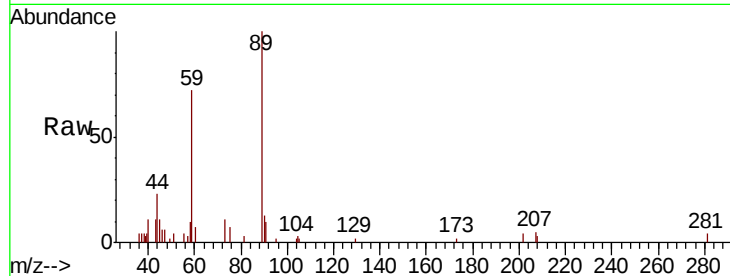


#11

Tert butyl alcohol
 Concen: 17.650 ug/l
 RT: 5.13 min Scan# 529
 Delta R.T. -0.04 min
 Lab File: VW008857.D
 Acq: 27 Feb 2019 16:22

Instrument :
 MSVOA_W
 ClientSampleId :

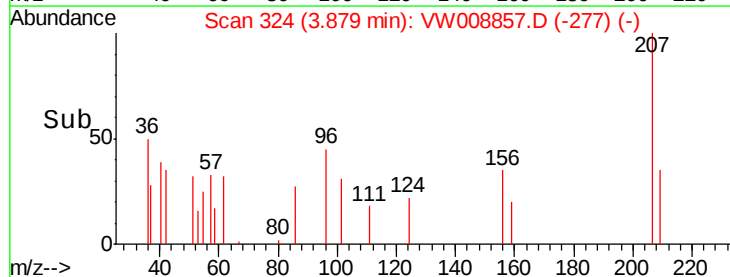
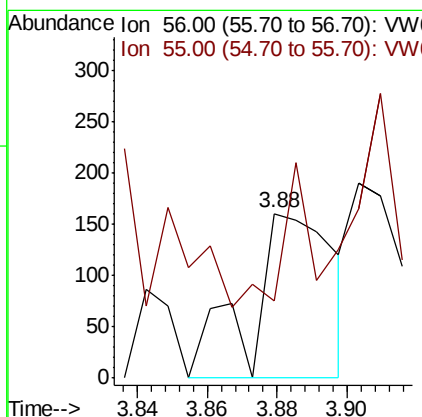
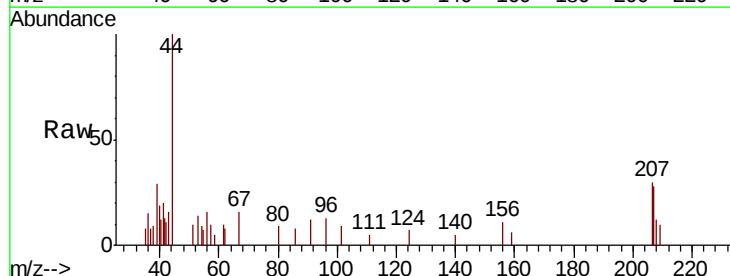
Tot Ion: 59 Resp: 5170
 Ion Ratio Lower Upper
 59 100
 57 2.2 9.3 13.9#

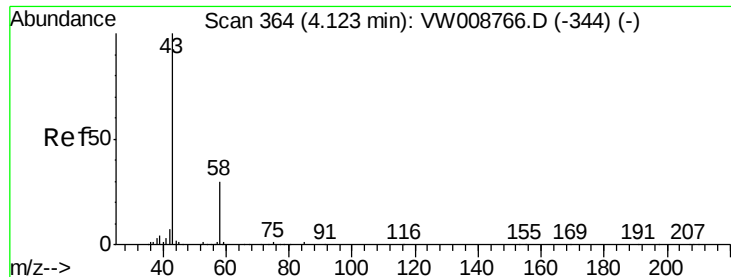


#13

Acrolein
 Concen: 20.558 ug/l
 RT: 3.88 min Scan# 324
 Delta R.T. -0.01 min
 Lab File: VW008857.D
 Acq: 27 Feb 2019 16:22

Tgt Ion: 56 Resp: 261
 Ion Ratio Lower Upper
 56 100
 55 29.9 56.9 85.3#





#16

Acetone

Concen: 75.872 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW008857.D

Acq: 27 Feb 2019 16:22

Instrument :

MSVOA_W

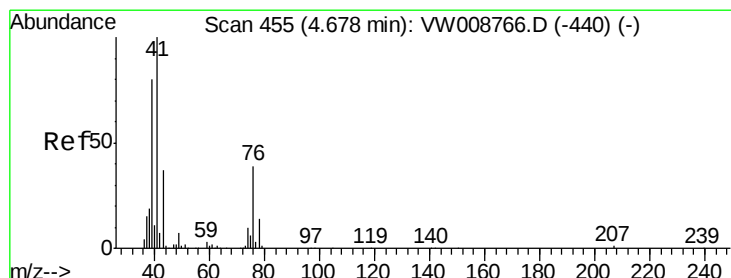
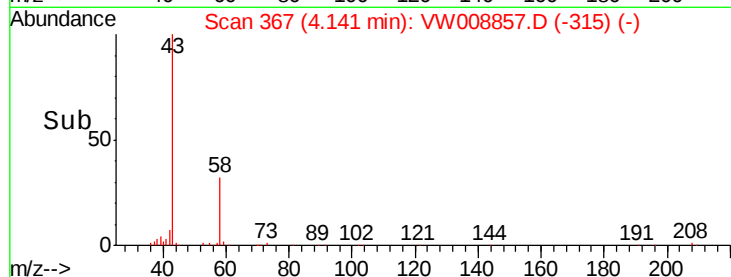
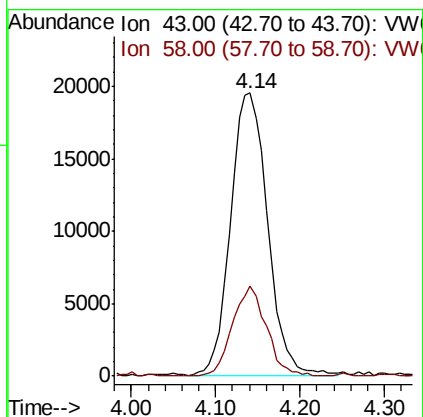
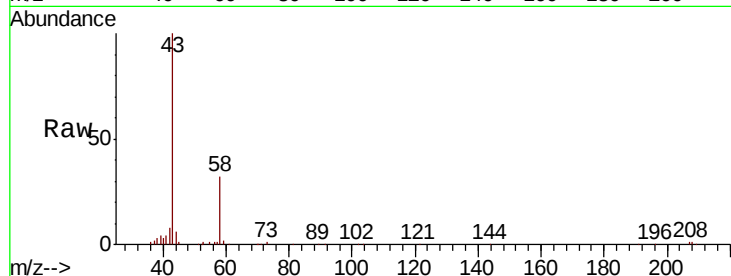
ClientSampled :

Tot Ion: 43 Resp: 57865

Ion Ratio Lower Upper

43 100

58 32.1 23.8 35.6



#18

Methyl Acetate

Concen: 1.181 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW008857.D

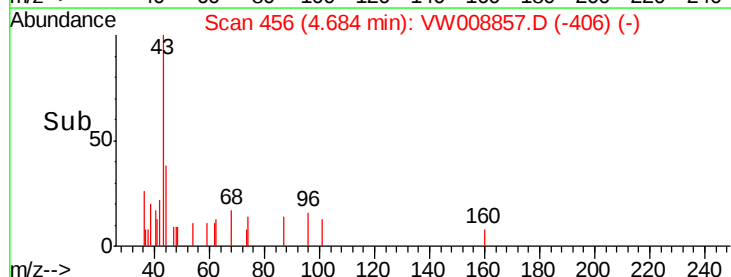
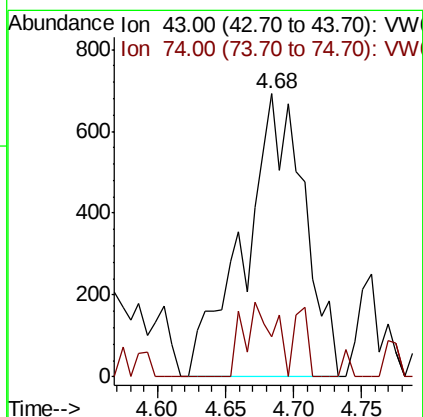
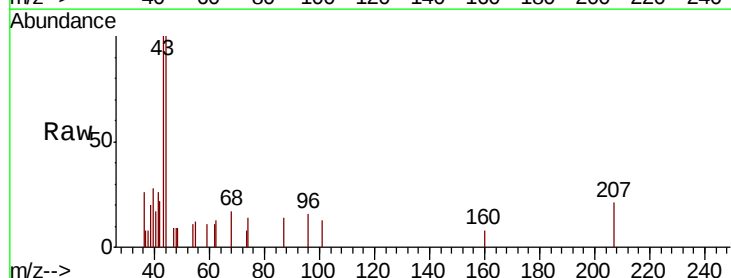
Acq: 27 Feb 2019 16:22

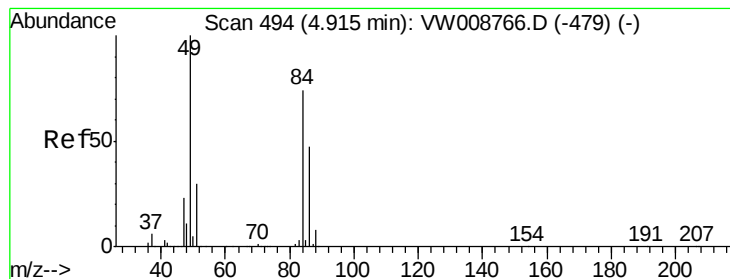
Tgt Ion: 43 Resp: 2136

Ion Ratio Lower Upper

43 100

74 13.4 19.4 29.2#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

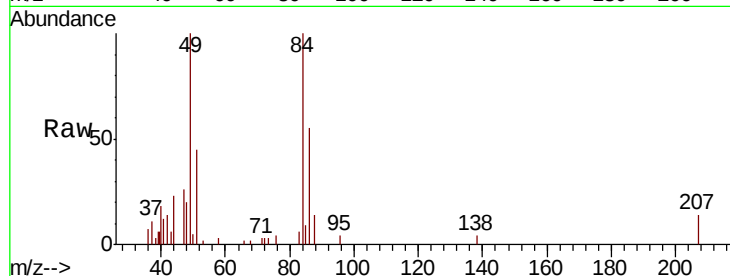
Lab File: VW008857.D

Acq: 27 Feb 2019 16:22

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 7725

Ion	Ratio	Lower	Upper
84	100		
49	93.8	108.2	162.2#
51	45.4	32.7	49.1
86	55.2	50.3	75.5



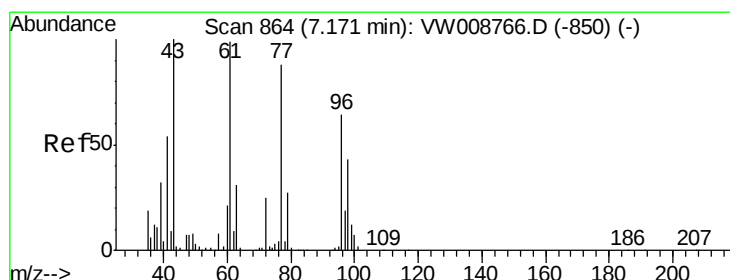
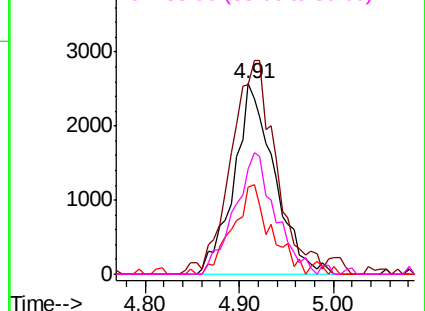
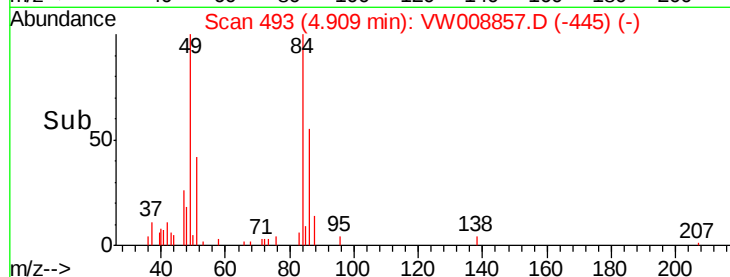
Abundance

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



#25

2-Butanone

Concen: 11.028 ug/l

RT: 7.18 min Scan# 866

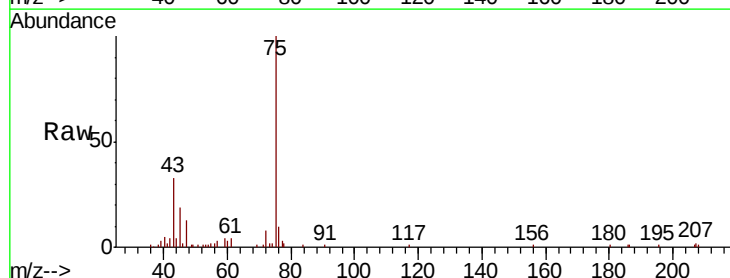
Delta R.T. 0.01 min

Lab File: VW008857.D

Acq: 27 Feb 2019 16:22

Tgt Ion: 43 Resp: 11759

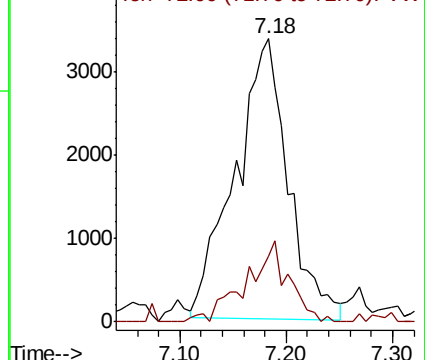
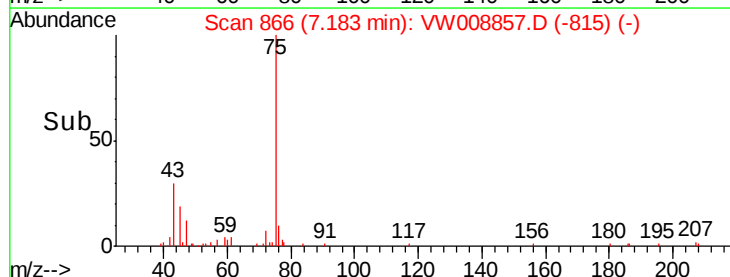
Ion	Ratio	Lower	Upper
43	100		
72	24.1	19.7	29.5

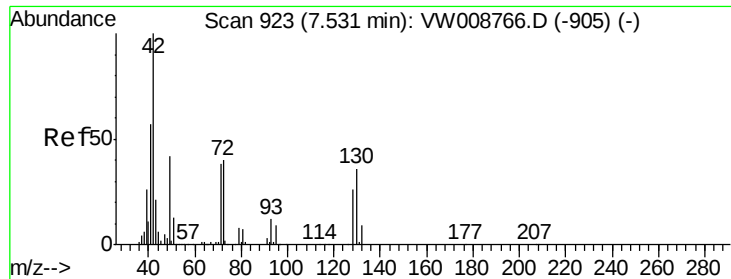


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

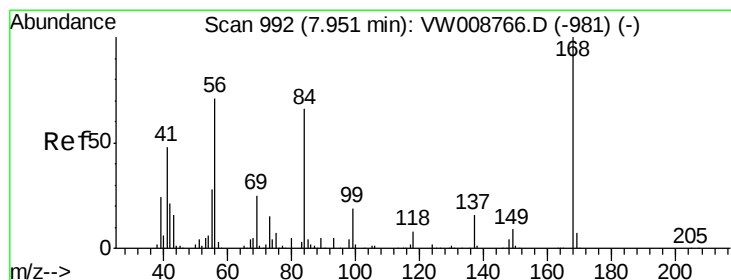
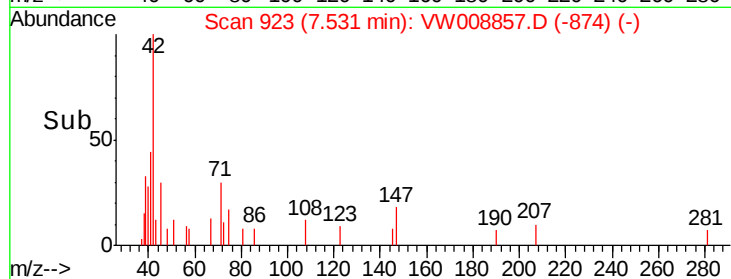
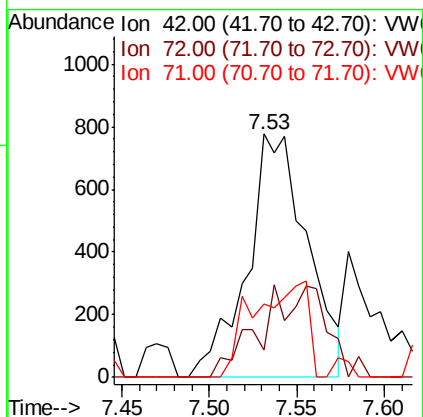
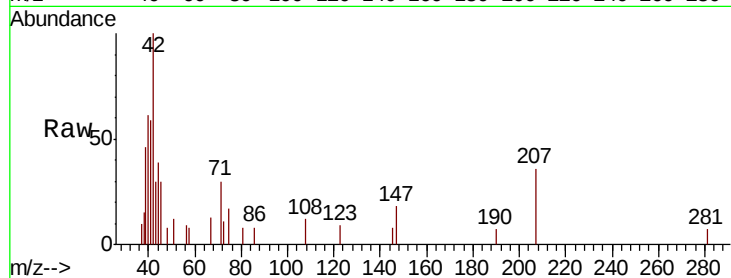




#29
Tetrahydrofuran
Concen: 2.734 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008857.D
Acq: 27 Feb 2019 16:22

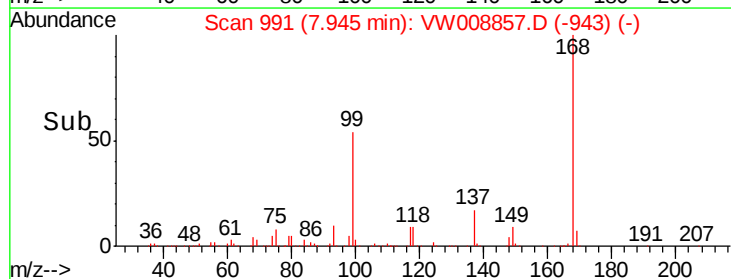
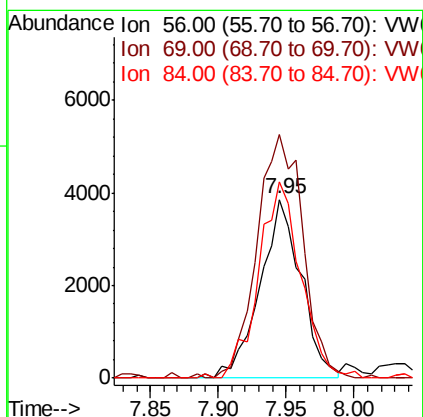
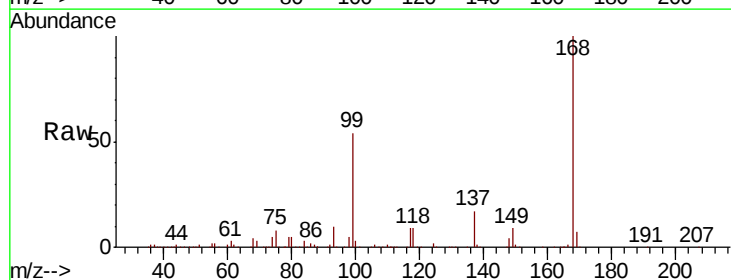
Instrument :
MSVOA_W
ClientSampleId :

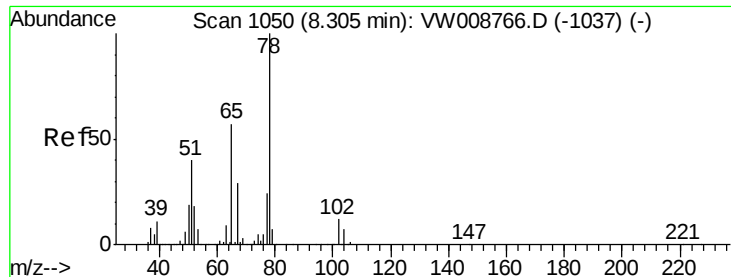
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	32.7	49.1
71	0.0	31.3	46.9



#31
Cyclohexane
Concen: 1.314 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008857.D
Acq: 27 Feb 2019 16:22

Tgt Ion	Ratio	Lower	Upper
56	100		
69	136.1	28.2	42.4
84	109.7	74.1	111.1

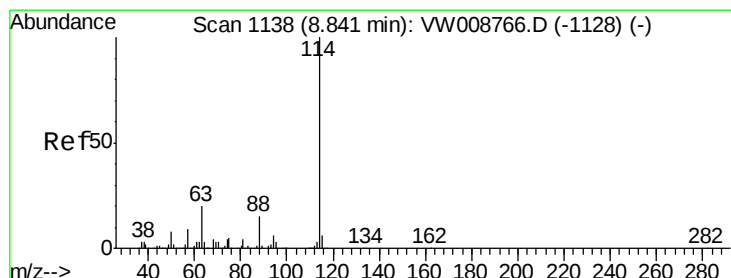
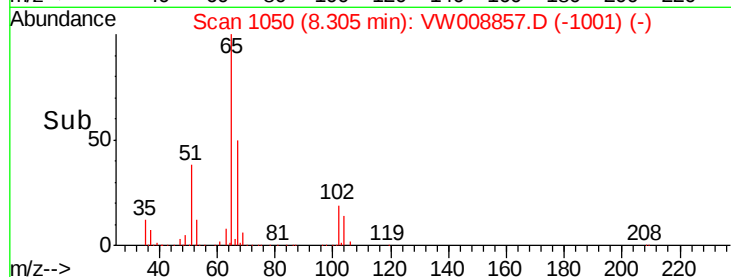
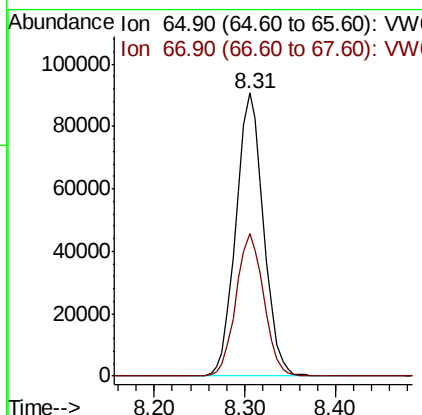
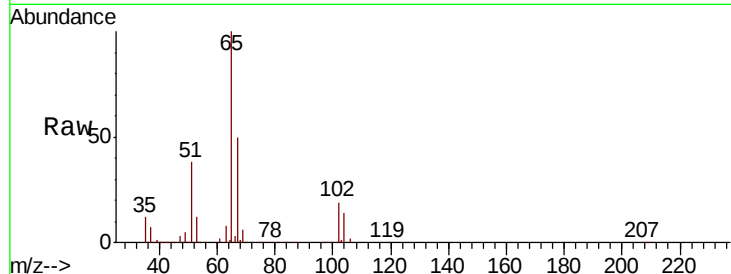




#33
 1,2-Dichloroethane-d4
 Concen: 58.128 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008857.D
 Acq: 27 Feb 2019 16:22

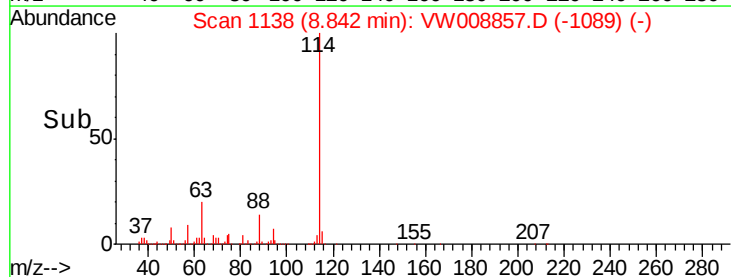
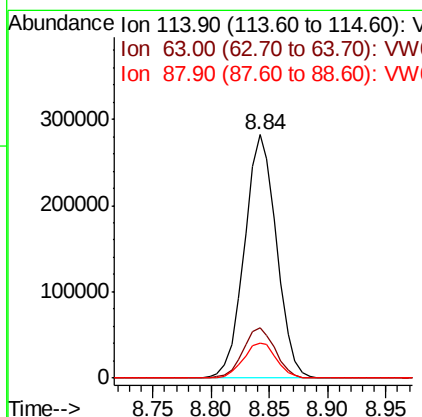
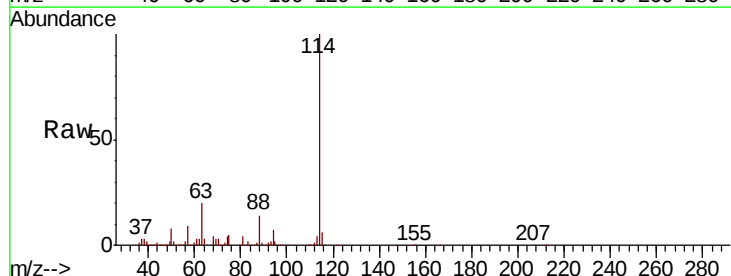
Instrument :
 MSVOA_W
 ClientSampled :

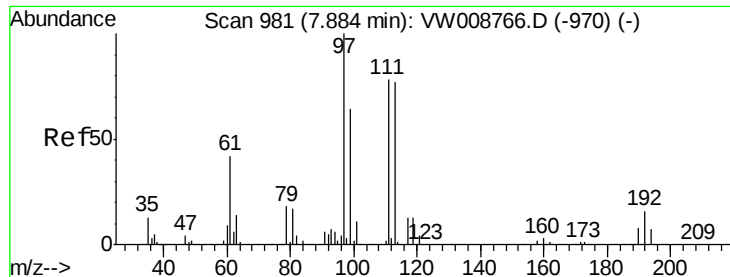
Tot Ion: 65 Resp: 191259
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008857.D
 Acq: 27 Feb 2019 16:22

Tgt Ion: 114 Resp: 541294
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.8
 88 14.5 0.0 30.4

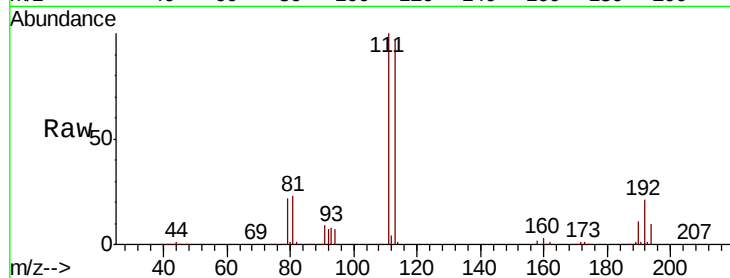




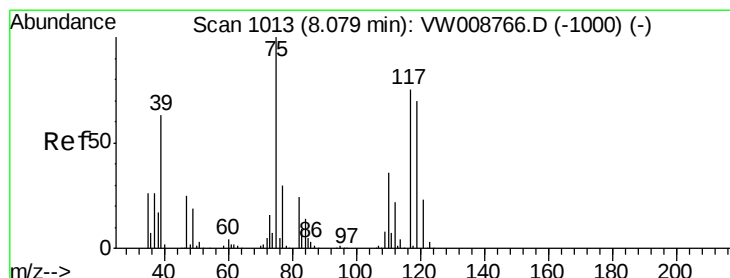
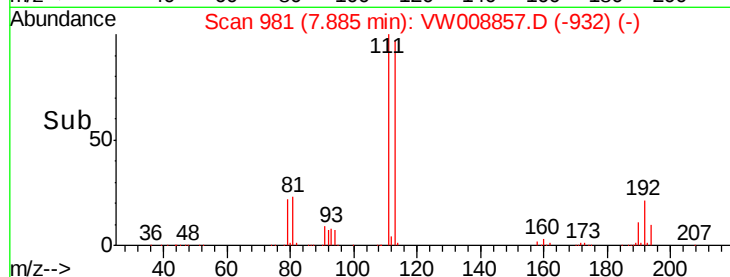
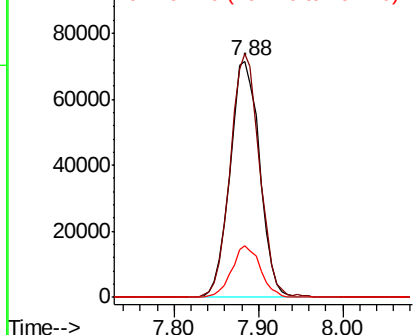
#35
 Dibromofluoromethane
 Concen: 52.337 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008857.D
 Acq: 27 Feb 2019 16:22

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.9	122.9
192	21.0	17.1	25.7

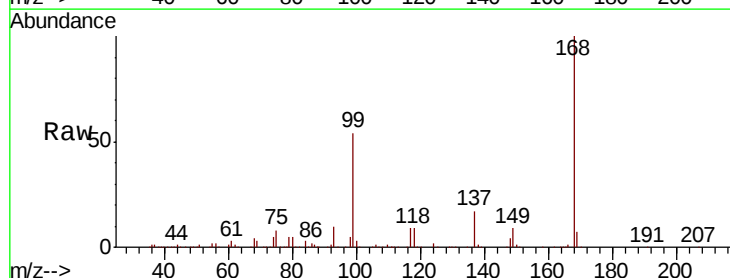


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

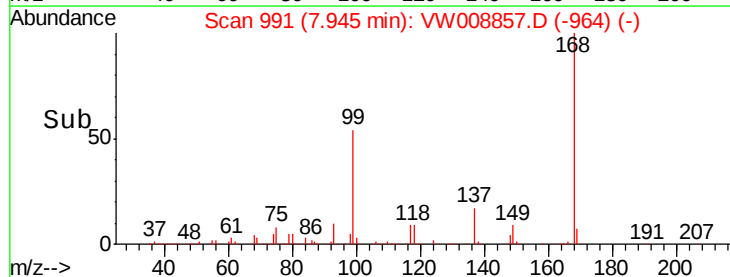
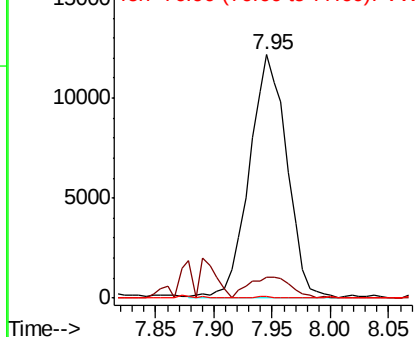


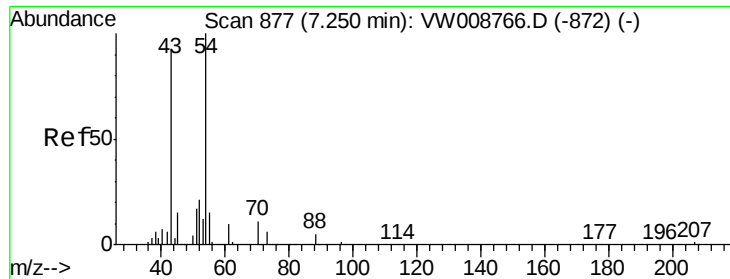
#36
 1,1-Dichloropropene
 Concen: 5.180 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008857.D
 Acq: 27 Feb 2019 16:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	17.5	52.6#
77	0.3	24.5	36.7#



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

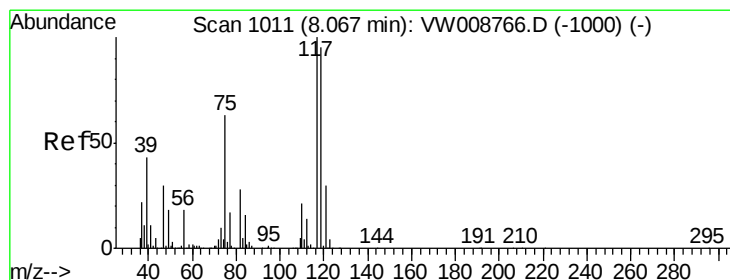
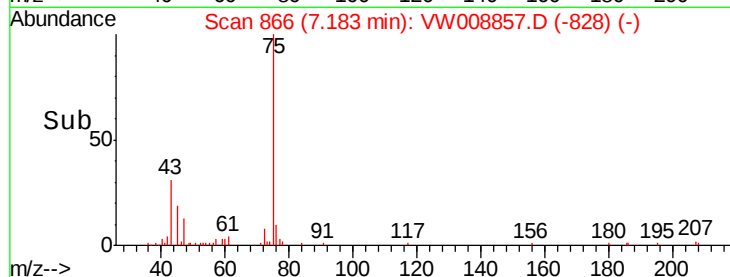
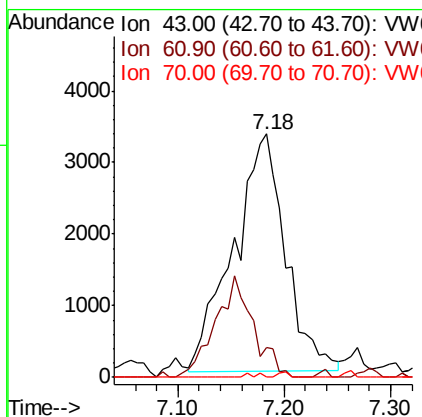
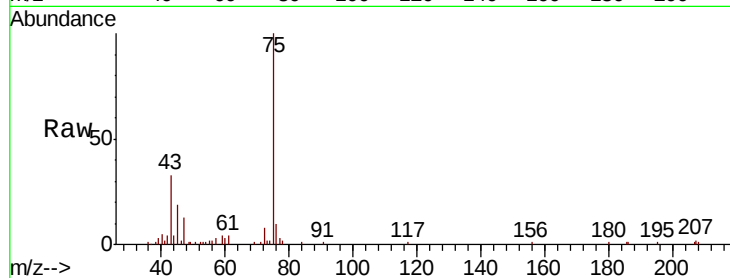




#37
Ethyl Acetate
Concen: 4.614 ug/l
RT: 7.18 min Scan# 866
Delta R.T. -0.07 min
Lab File: VW008857.D
Acq: 27 Feb 2019 16:22

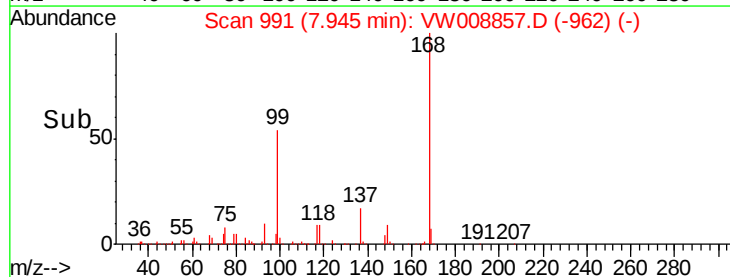
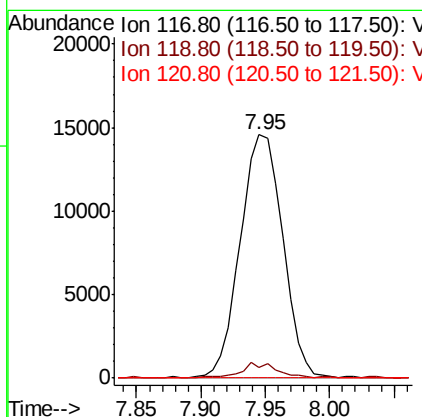
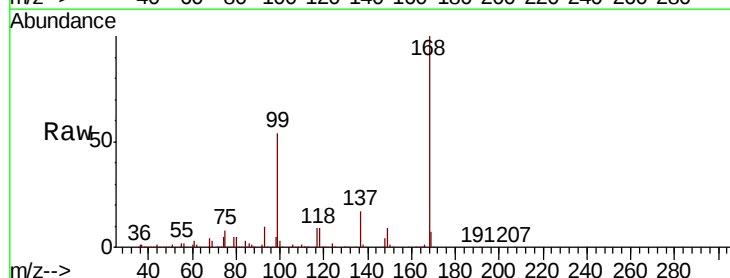
Instrument :
MSVOA_W
ClientSampleId :

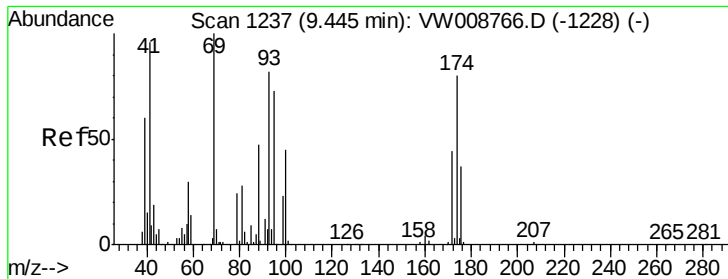
Tot Ion: 43 Resp: 11305
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.8#
70 0.4 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 6.013 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008857.D
Acq: 27 Feb 2019 16:22

Tgt Ion: 117 Resp: 33411
Ion Ratio Lower Upper
117 100
119 4.3 76.1 114.1#
121 0.0 24.0 36.0#

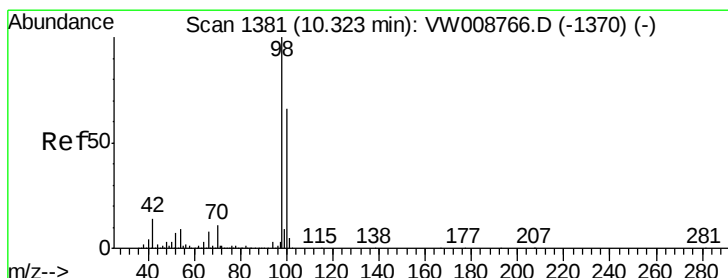
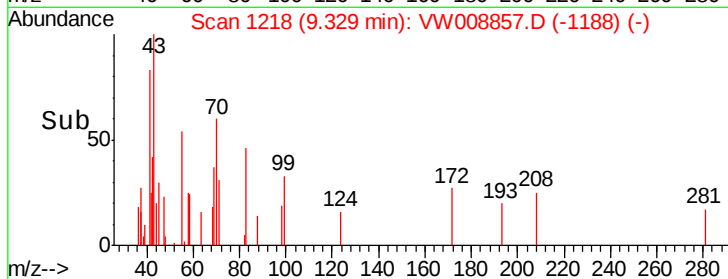
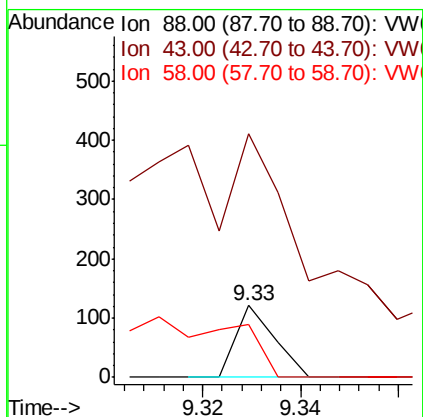
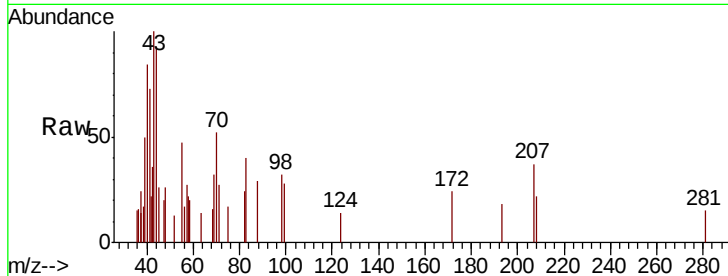




#49
 1,4-Dioxane
 Concen: 2.084 ug/l
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.12 min
 Lab File: VW008857.D
 Acq: 27 Feb 2019 16:22

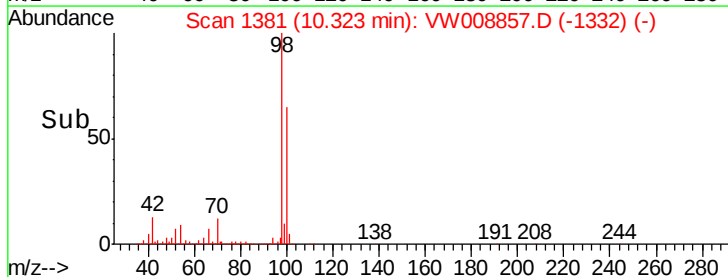
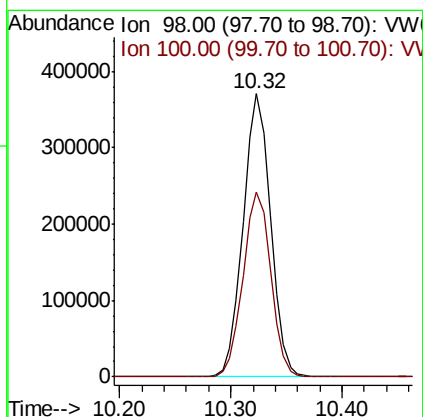
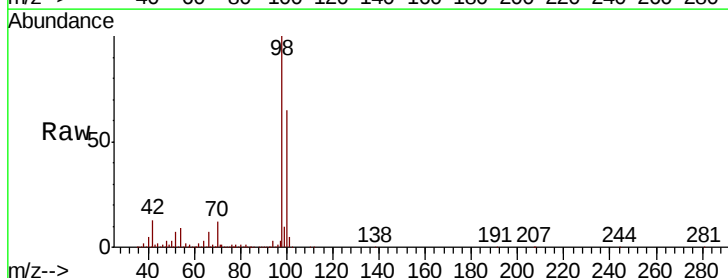
Instrument :
 MSVOA_W
 ClientSampled :

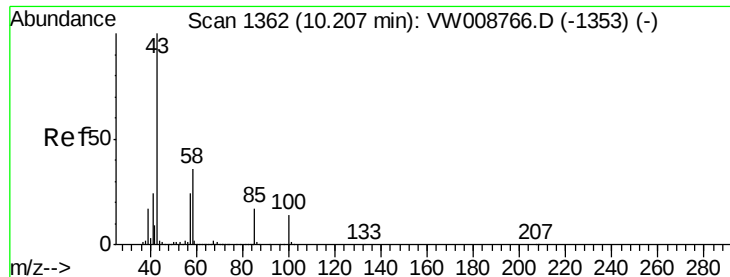
Tot Ion: 88 Resp: 66
 Ion Ratio Lower Upper
 88 100
 43 0.0 29.0 43.4#
 58 433.3 52.0 78.0#



#50
 Toluene-d8
 Concen: 50.776 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW008857.D
 Acq: 27 Feb 2019 16:22

Tgt Ion: 98 Resp: 637031
 Ion Ratio Lower Upper
 98 100
 100 66.1 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 1.103 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW008857.D

Acq: 27 Feb 2019 16:22

Instrument :

MSVOA_W

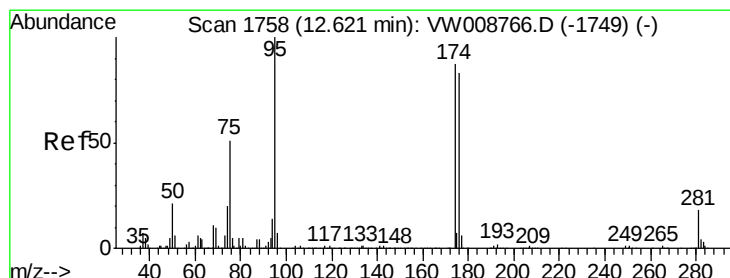
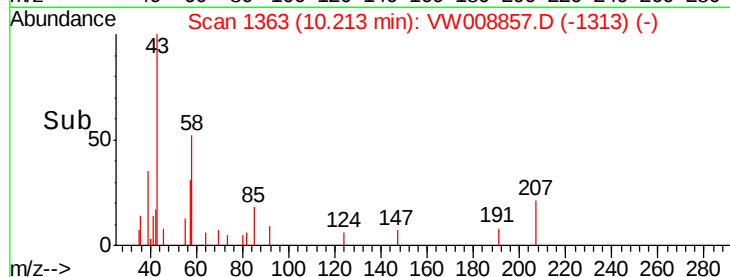
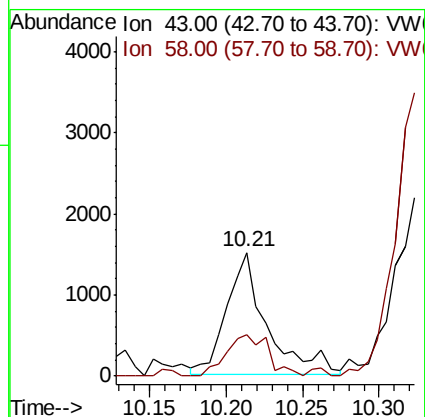
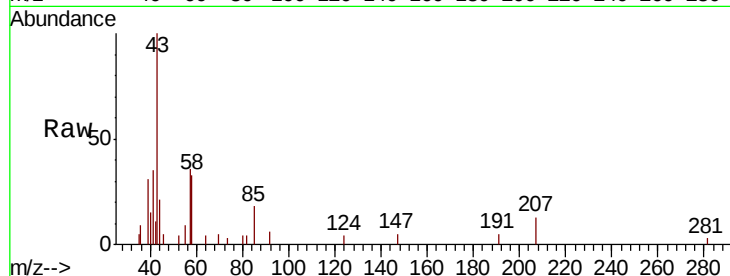
ClientSampled :

Tot Ion: 43 Resp: 2739

Ion Ratio Lower Upper

43 100

58 35.3 29.1 43.7



#62

4-Bromofluorobenzene

Concen: 44.131 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008857.D

Acq: 27 Feb 2019 16:22

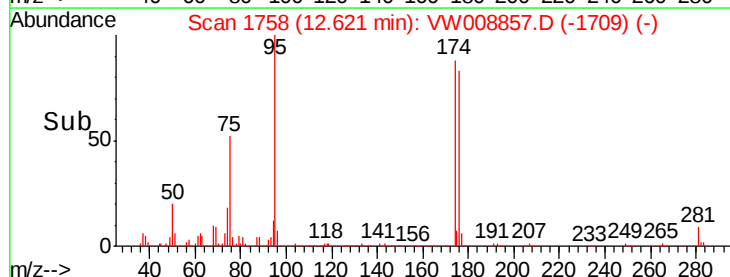
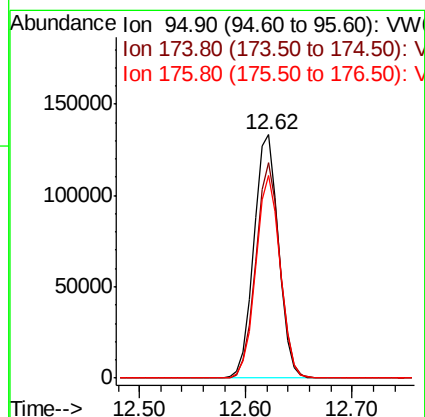
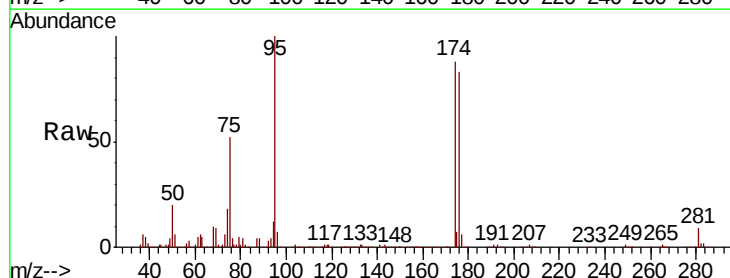
Tgt Ion: 95 Resp: 216784

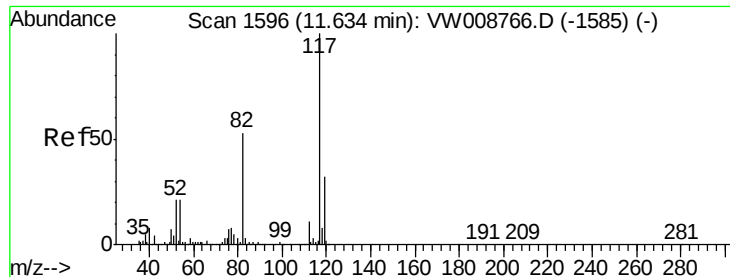
Ion Ratio Lower Upper

95 100

174 86.7 0.0 169.2

176 82.2 0.0 163.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008857.D

Acq: 27 Feb 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

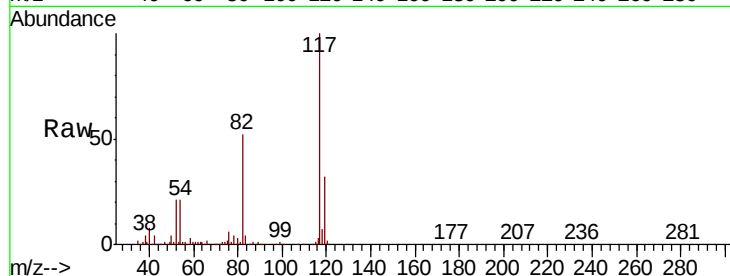
Tot Ion:117 Resp: 475732

Ion Ratio Lower Upper

117 100

82 51.7 42.2 63.4

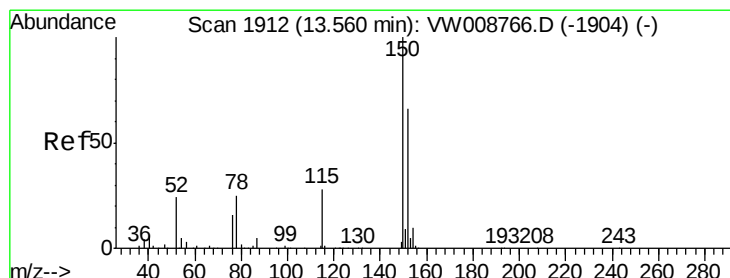
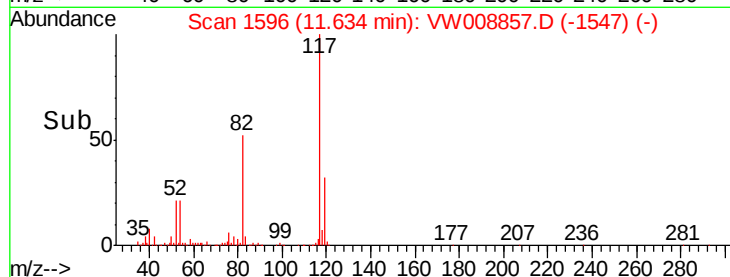
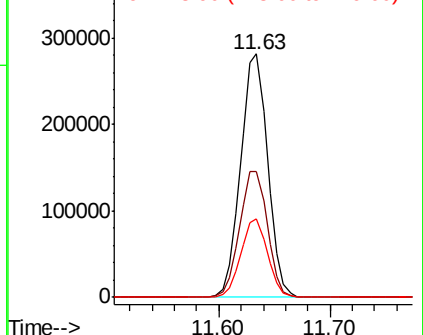
119 32.1 25.9 38.9



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008857.D

Acq: 27 Feb 2019 16:22

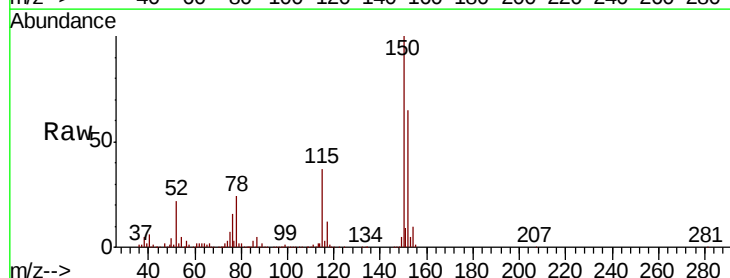
Tgt Ion:152 Resp: 215800

Ion Ratio Lower Upper

152 100

115 56.5 28.6 85.8

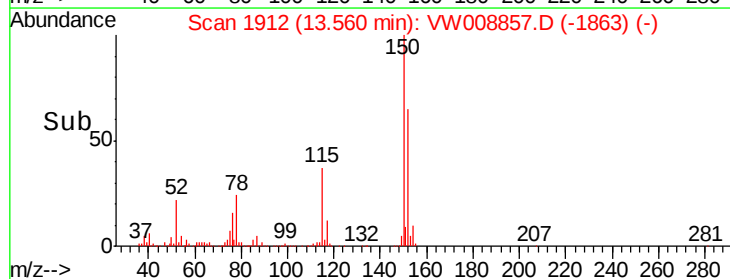
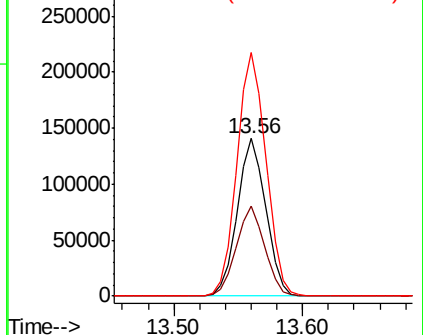
150 156.8 0.0 348.0

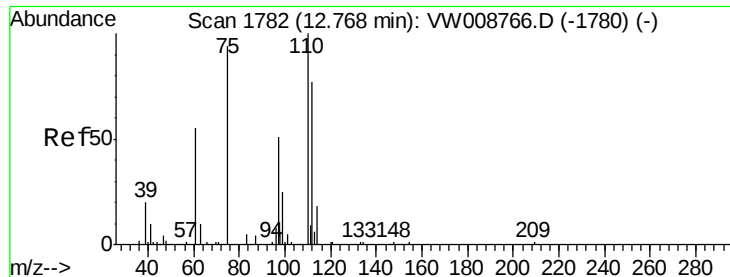


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 62.533 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008857.D

Acq: 27 Feb 2019 16:22

Instrument :

MSVOA_W

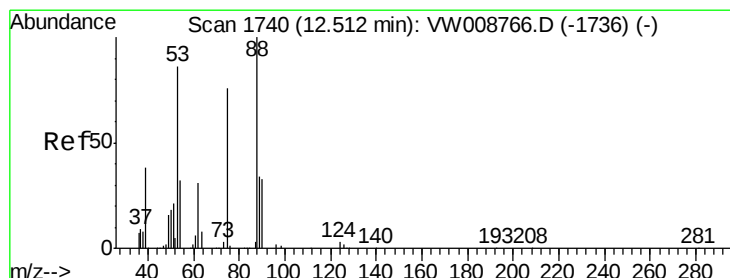
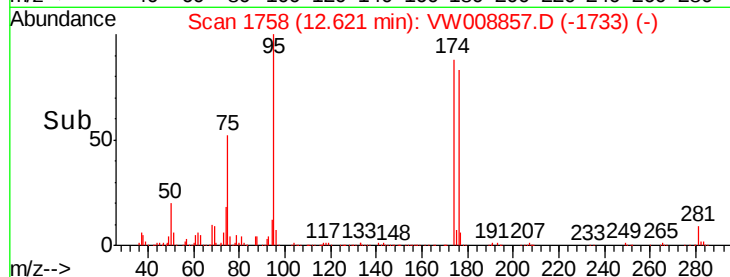
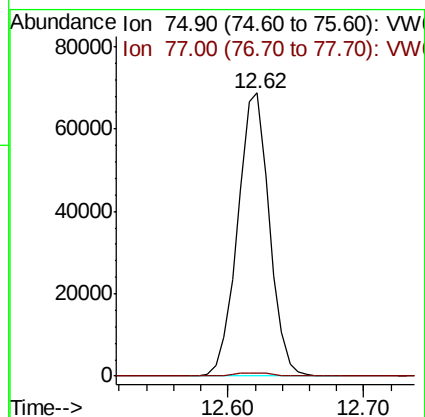
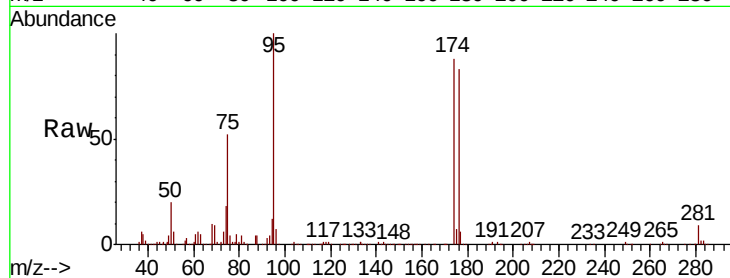
ClientSampleId :

Tot Ion: 75 Resp: 111416

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 152.022 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008857.D

Acq: 27 Feb 2019 16:22

Tgt Ion: 75 Resp: 111416

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

89 0.1 39.5 59.3#

