

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011619\
 Data File : VW008301.D
 Acq On : 16 Jan 2019 11:53
 Operator : SY/VA
 Sample : VW0116SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBL01

Quant Time: Jan 17 05:00:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	86585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	158763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	145670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	64897	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	51031	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
35) Dibromofluoromethane	7.88	113	50285	54.31	ug/l	0.00
Spiked Amount			Recovery	=	108.62%	
50) Toluene-d8	10.32	98	199698	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	
62) 4-Bromofluorobenzene	12.62	95	67108	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	

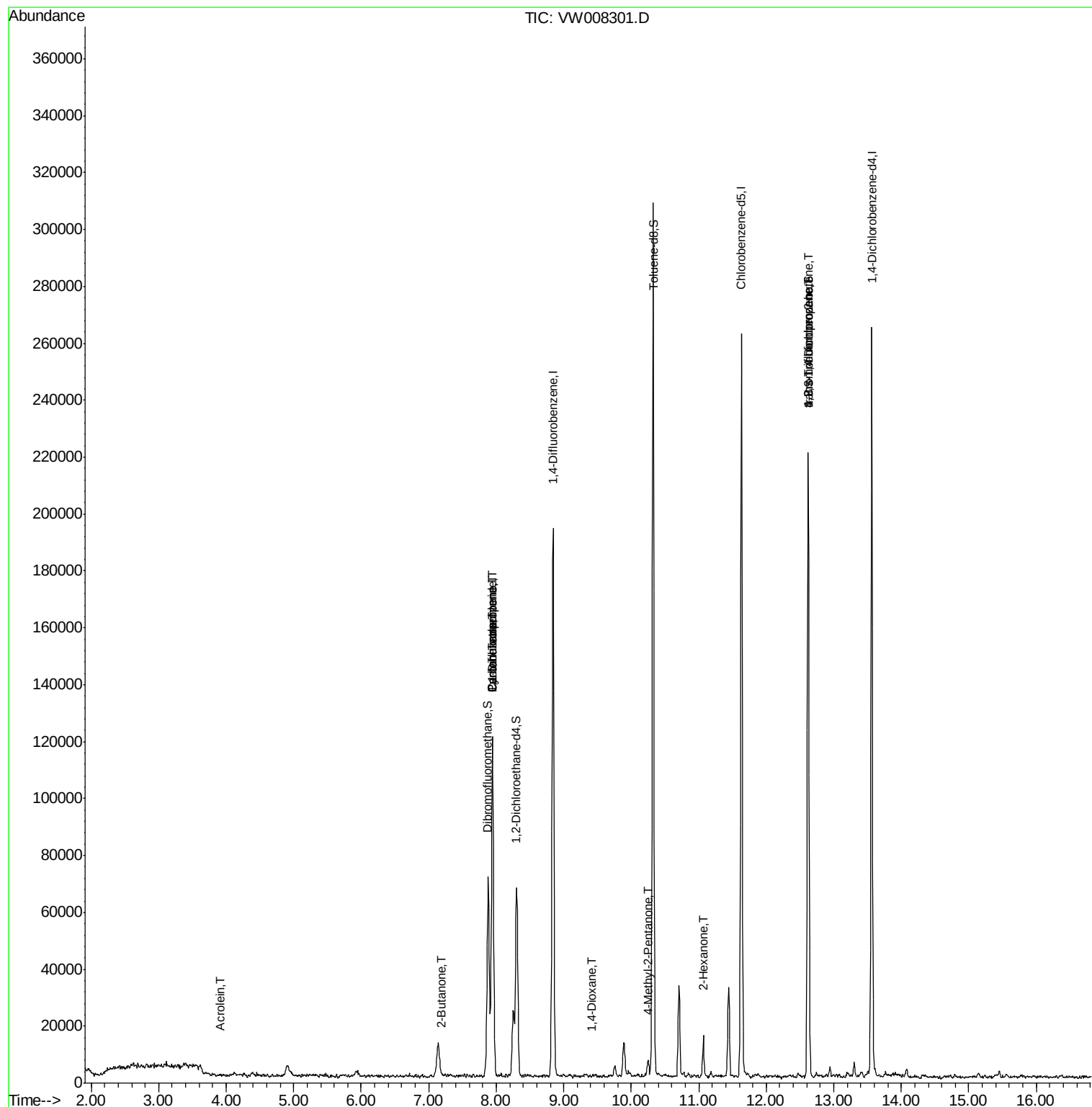
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	83	Below Cal	#	100
13) Acrolein	3.91	56	210	1.755	ug/l #	65
16) Acetone	4.12	43	2193	Below Cal	#	82
20) Methylene Chloride	4.90	84	3329	Below Cal	#	68
25) 2-Butanone	7.19	43	284	1.049	ug/l #	49
31) Cyclohexane	7.94	56	2246	1.097	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	7164	4.381	ug/l #	50
38) Carbon Tetrachloride	7.95	117	9403	6.282	ug/l #	17
49) 1,4-Dioxane	9.41	88	55	6.332	ug/l #	11
51) 4-Methyl-2-Pentanone	10.25	43	1344	2.120	ug/l #	59
59) 2-Hexanone	11.07	43	463	1.080	ug/l	83
76) 1,2,3-Trichloropropane	12.62	75	34385	58.121	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	34385	135.347	ug/l #	11

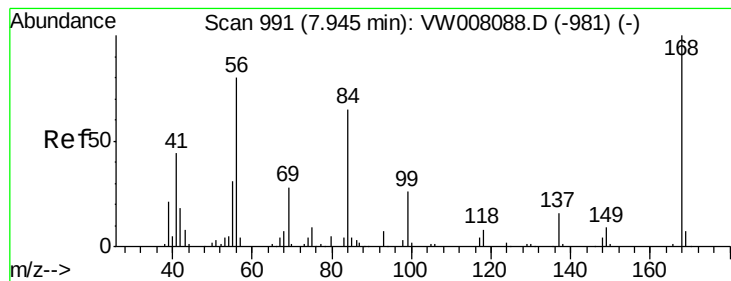
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008301.D

Acq: 16 Jan 2019 11:53

Instrument :

MSVOA_W

ClientSampleId :

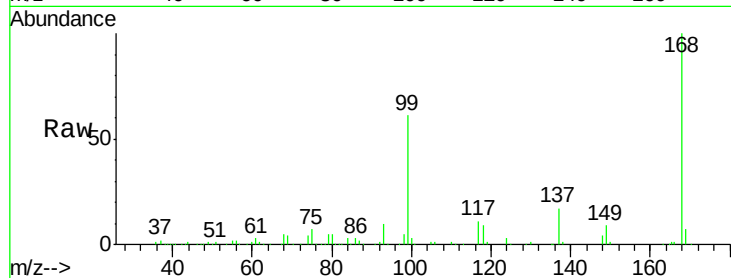
VW0116SBL01

Tot Ion:168 Resp: 86585

Ion Ratio Lower Upper

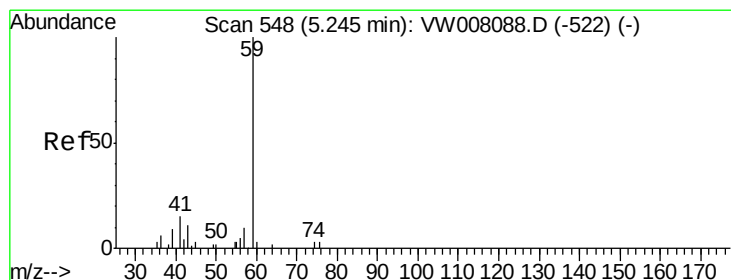
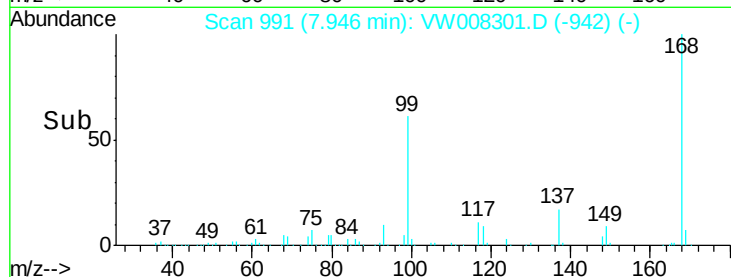
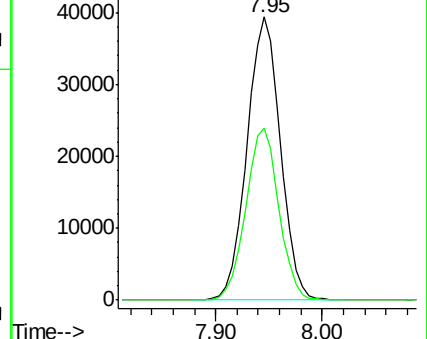
168 100

99 60.9 52.6 78.8



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: 5.23 min Scan# 546

Delta R.T. -0.01 min

Lab File: VW008301.D

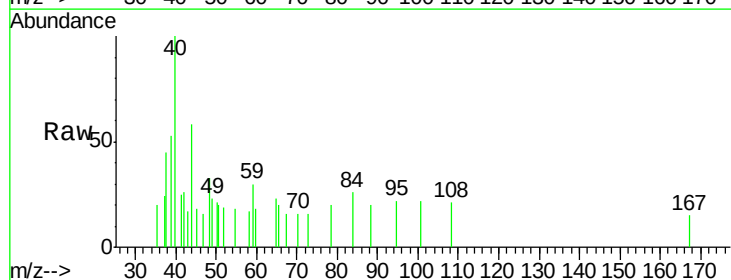
Acq: 16 Jan 2019 11:53

Tgt Ion: 59 Resp: 83

Ion Ratio Lower Upper

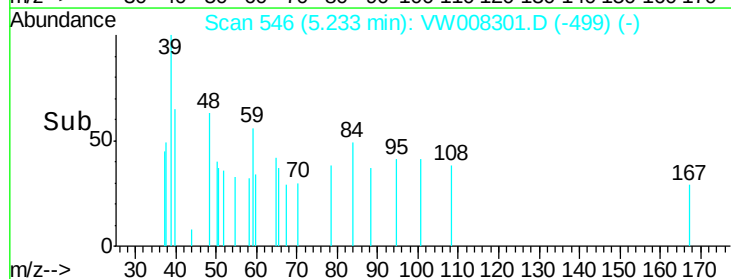
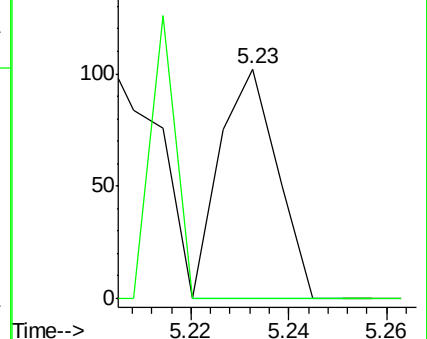
59 100

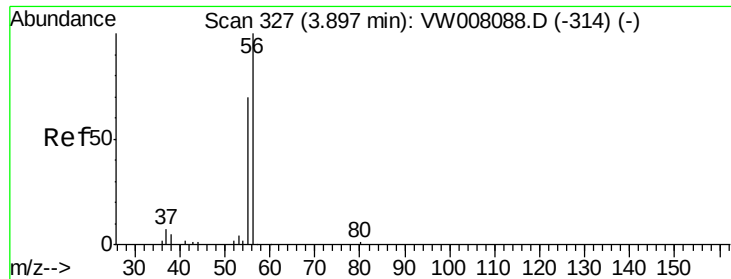
57 55.4 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.755 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.01 min

Lab File: VW008301.D

Acq: 16 Jan 2019 11:53

Instrument :

MSVOA_W

ClientSampleId :

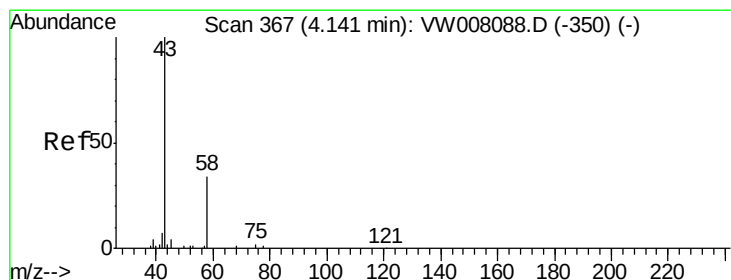
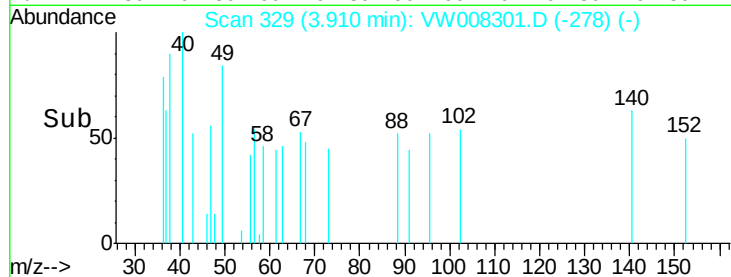
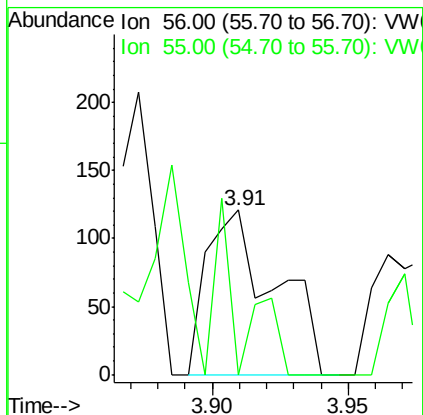
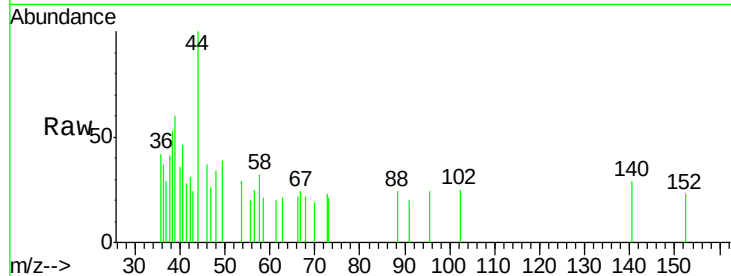
VW0116SBL01

Tot Ion: 56 Resp: 210

Ion Ratio Lower Upper

56 100

55 41.4 56.6 84.8#



#16

Acetone

Concen: Below Cal

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW008301.D

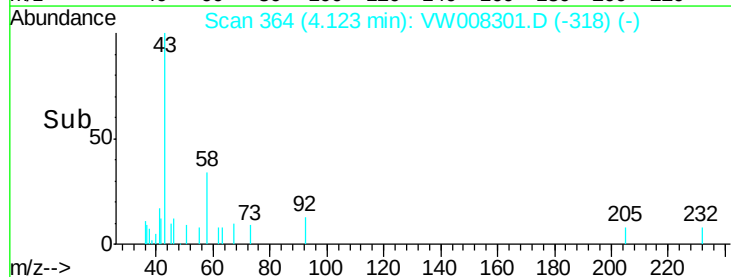
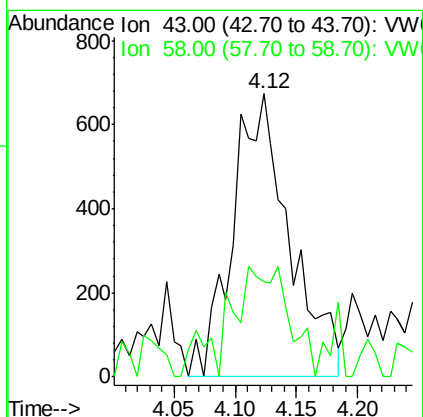
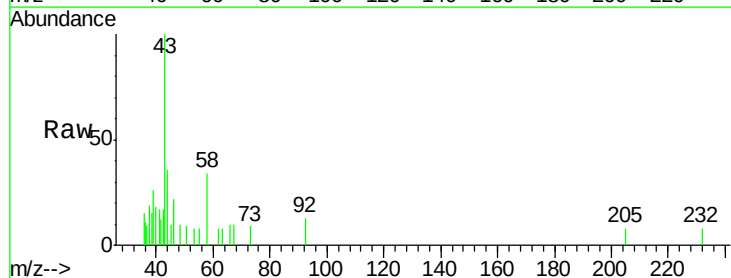
Acq: 16 Jan 2019 11:53

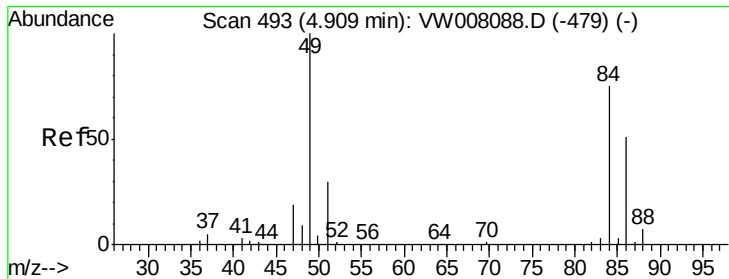
Tgt Ion: 43 Resp: 2193

Ion Ratio Lower Upper

43 100

58 23.9 27.5 41.3#

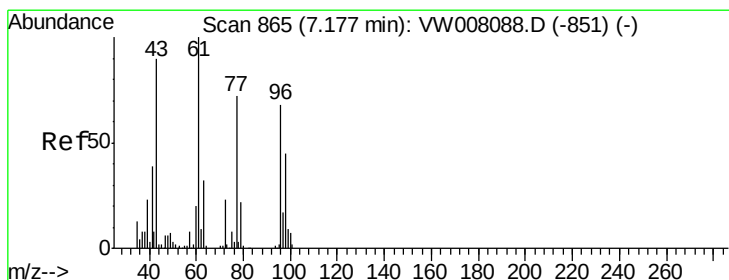
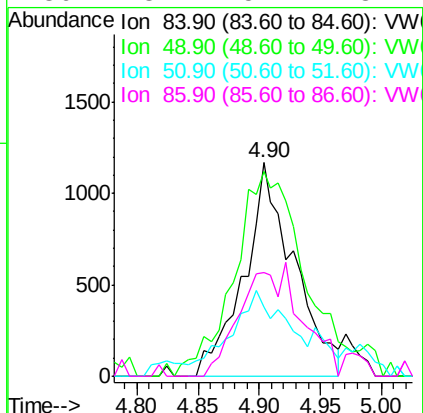
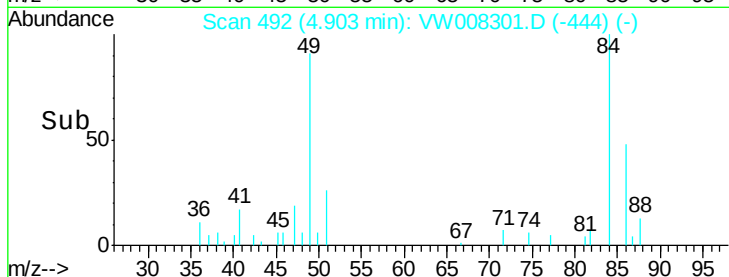
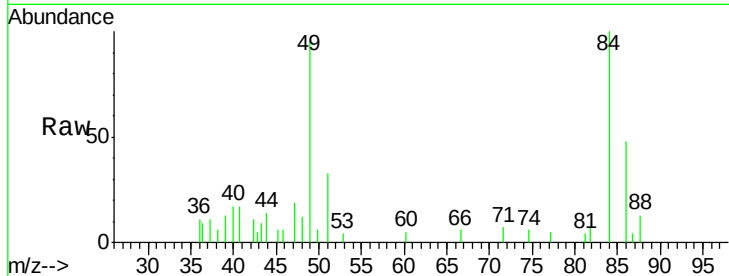




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008301.D
Acq: 16 Jan 2019 11:53

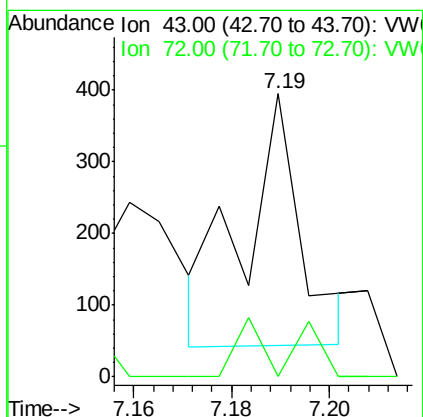
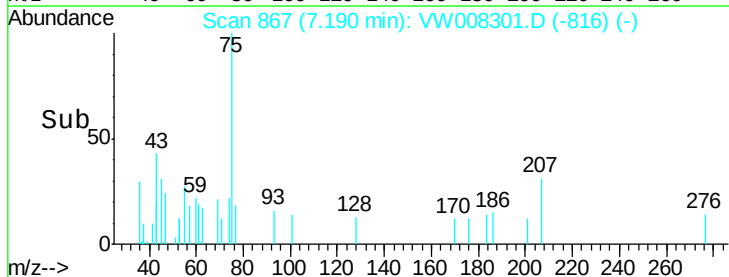
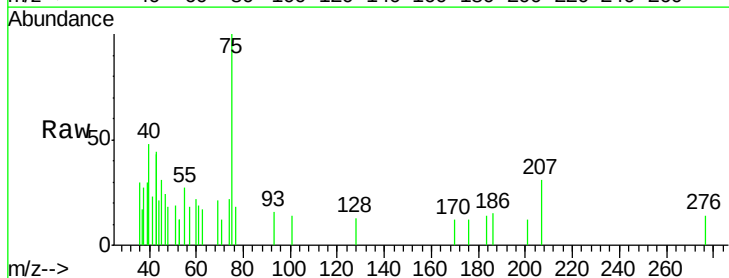
Instrument :
MSVOA_W
ClientSampleId :
VW0116SBL01

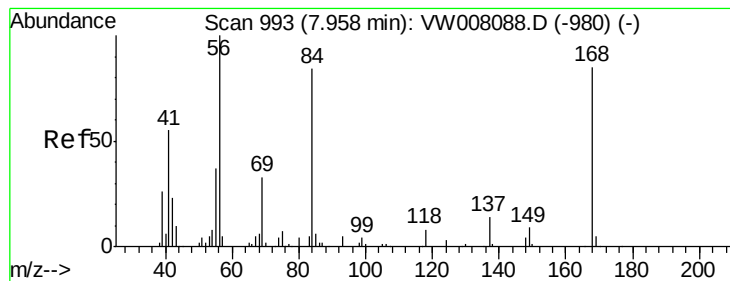
Tot Ion: 84 Resp: 3329
Ion Ratio Lower Upper
84 100
49 88.1 107.1 160.7#
51 27.1 32.4 48.6#
86 48.4 54.2 81.4#



#25
2-Butanone
Concen: 1.049 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.01 min
Lab File: VW008301.D
Acq: 16 Jan 2019 11:53

Tgt Ion: 43 Resp: 284
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#





#31

Cyclohexane

Concen: 1.097 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW008301.D

Acq: 16 Jan 2019 11:53

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBL01

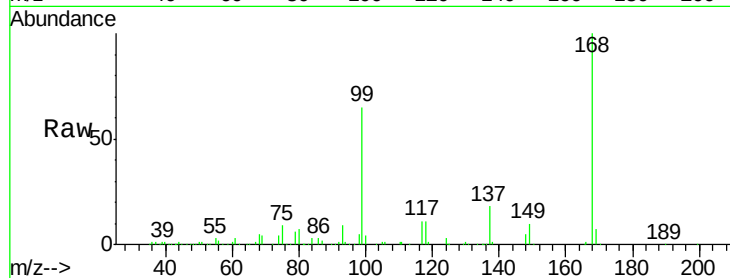
Tot Ion: 56 Resp: 2246

Ion Ratio Lower Upper

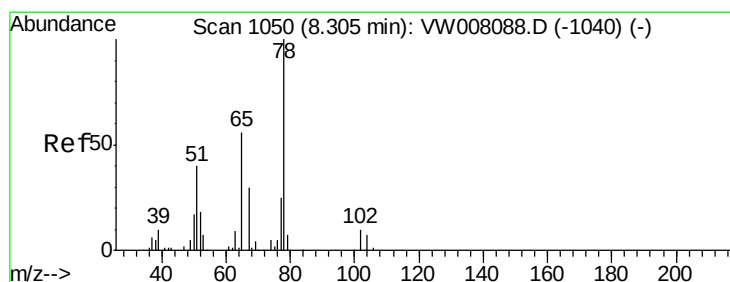
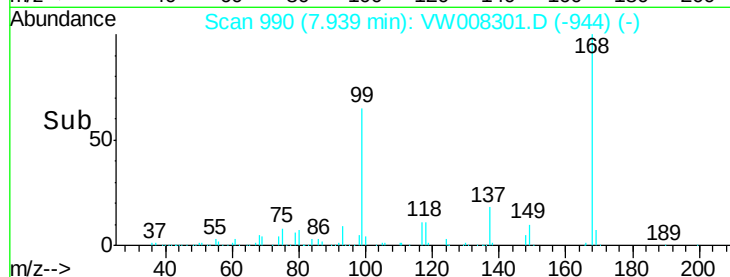
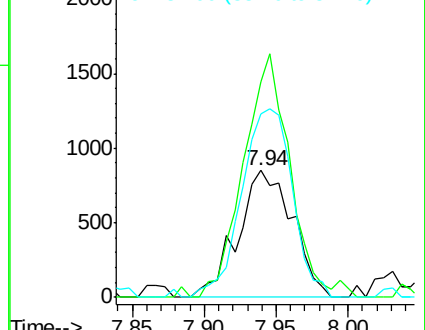
56 100

69 169.7 26.2 39.4#

84 144.8 67.4 101.2#



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: 52.440 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008301.D

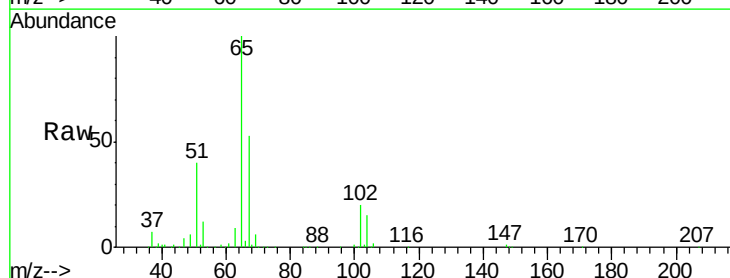
Acq: 16 Jan 2019 11:53

Tgt Ion: 65 Resp: 51031

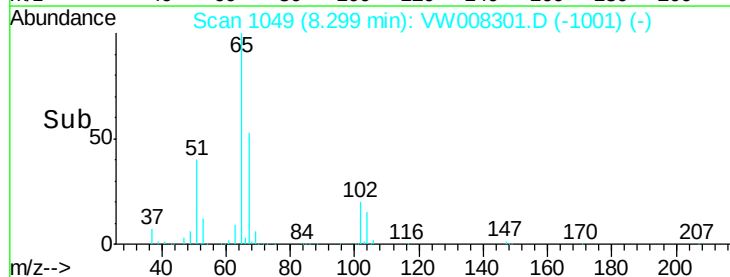
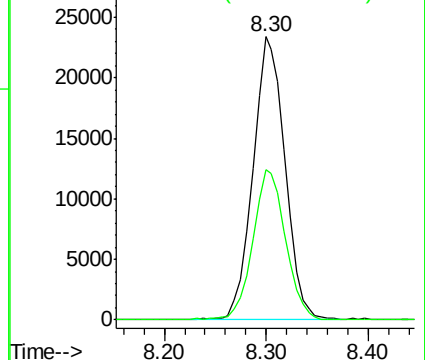
Ion Ratio Lower Upper

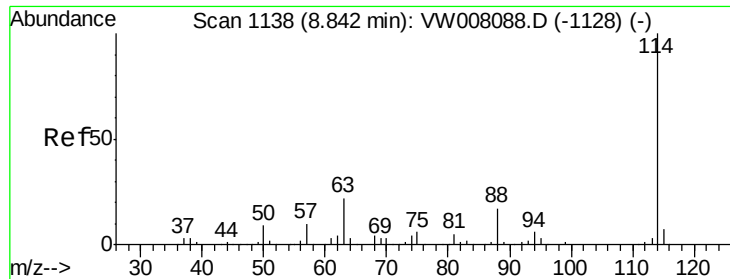
65 100

67 54.2 0.0 106.8



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

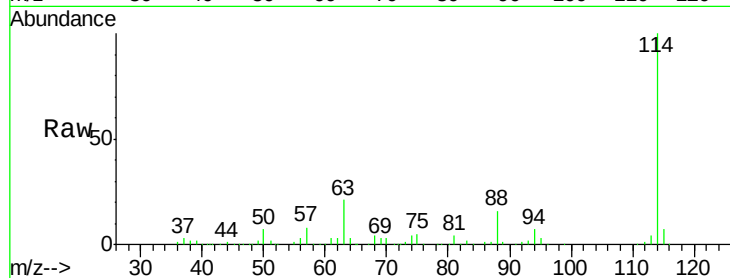




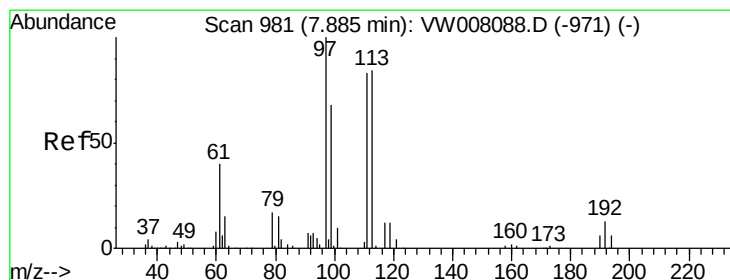
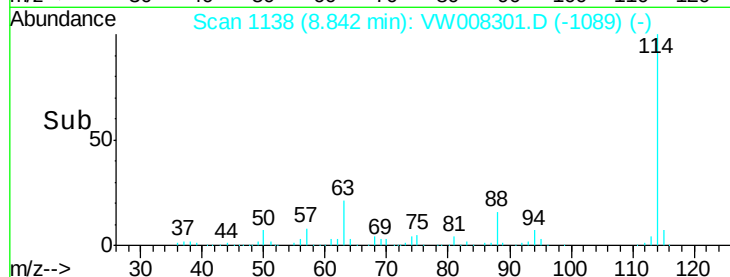
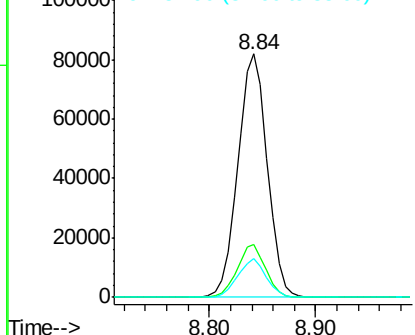
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008301.D
 Acq: 16 Jan 2019 11:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBL01

Tot Ion:114 Resp: 158763
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.4
 88 16.2 0.0 33.4

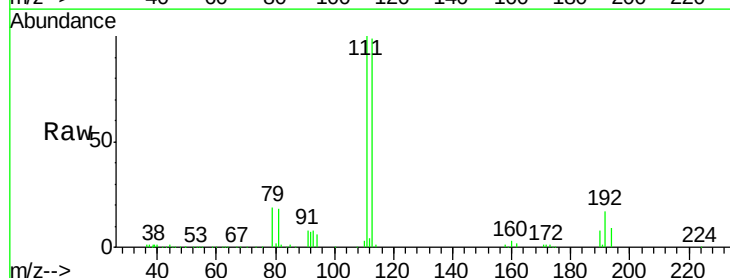


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

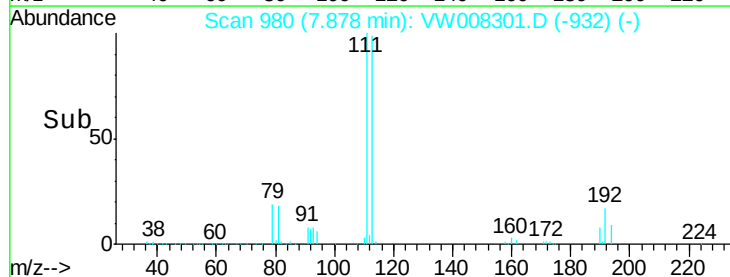
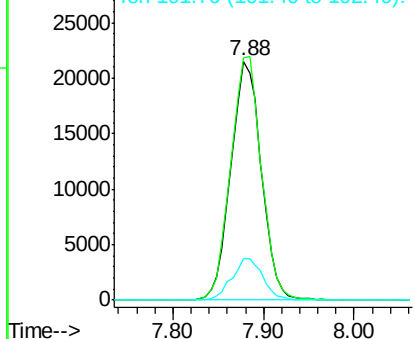


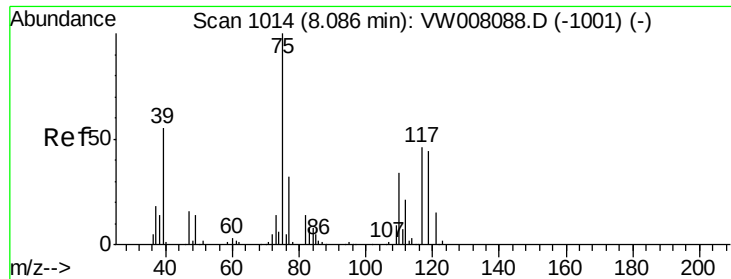
#35
 Dibromofluoromethane
 Concen: 54.305 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008301.D
 Acq: 16 Jan 2019 11:53

Tgt Ion:113 Resp: 50285
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.8 122.8
 192 17.6 12.8 19.2



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

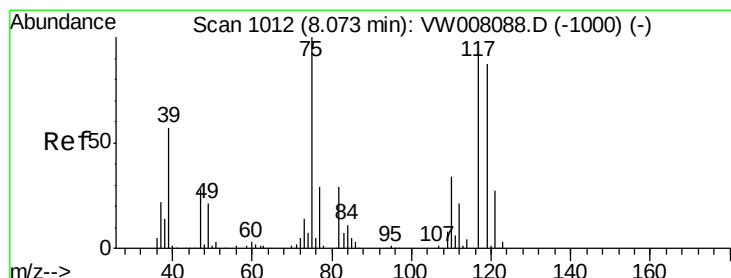
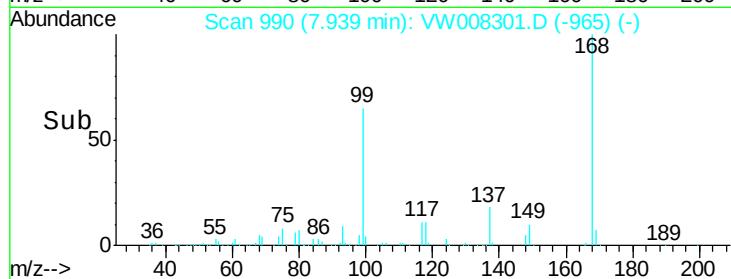
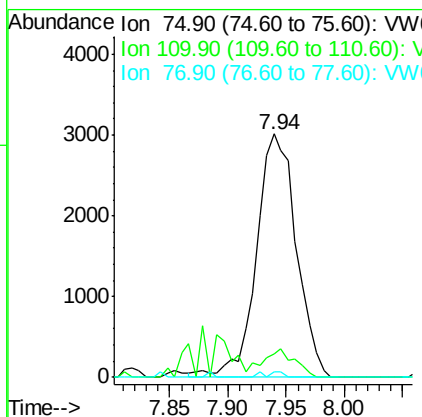
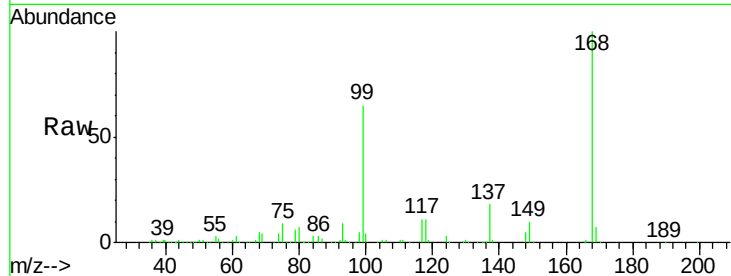




#36
 1,1-Dichloropropene
 Concen: 4.381 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.15 min
 Lab File: VW008301.D
 Acq: 16 Jan 2019 11:53

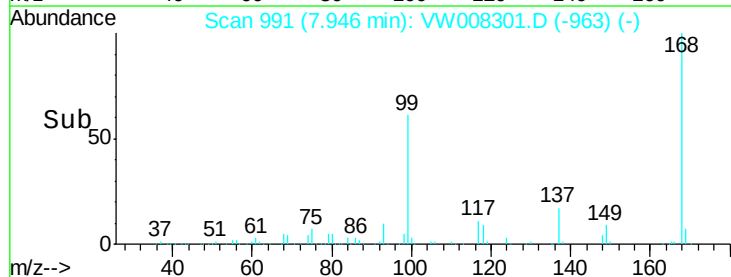
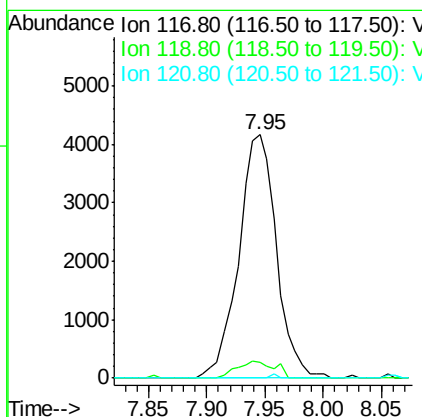
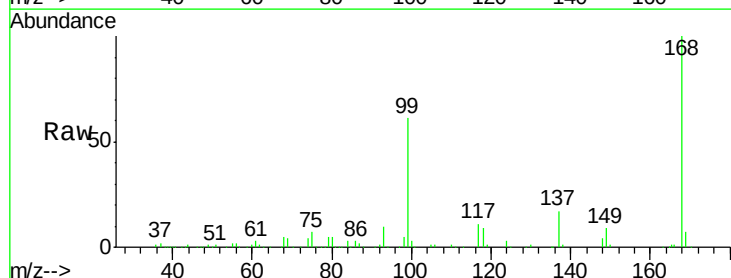
Instrument :
 MSVOA_W
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 VW0116SBL01

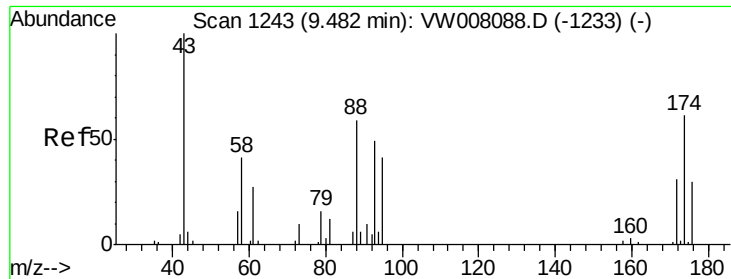
Tot Ion	75	Resp	7164
Ion Ratio	Lower	Upper	
75	100		
110	7.9	17.1	51.3#
77	1.0	25.5	38.3#



#38
 Carbon Tetrachloride
 Concen: 6.282 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008301.D
 Acq: 16 Jan 2019 11:53

Tgt Ion	117	Resp	9403
Ion Ratio	Lower	Upper	
117	100		
119	6.4	75.8	113.8#
121	0.0	23.7	35.5#





#49

1,4-Dioxane

Concen: 6.332 ug/l

RT: 9.41 min Scan# 1231

Delta R.T. -0.07 min

Lab File: VW008301.D

Acq: 16 Jan 2019 11:53

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBL01

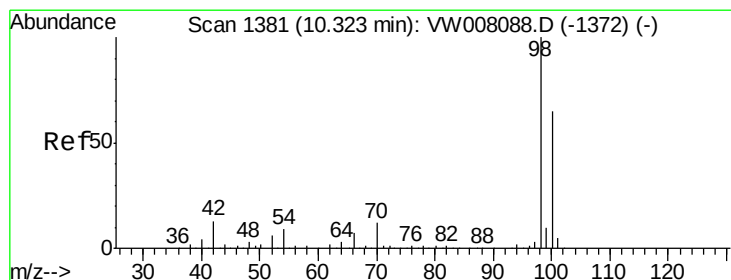
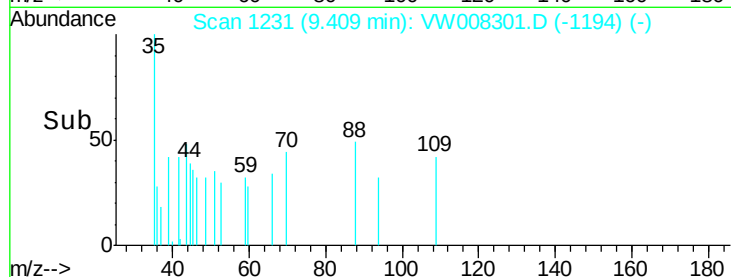
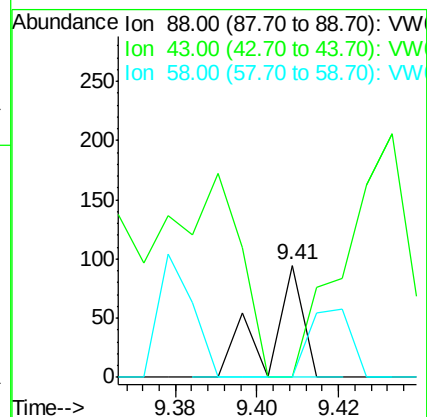
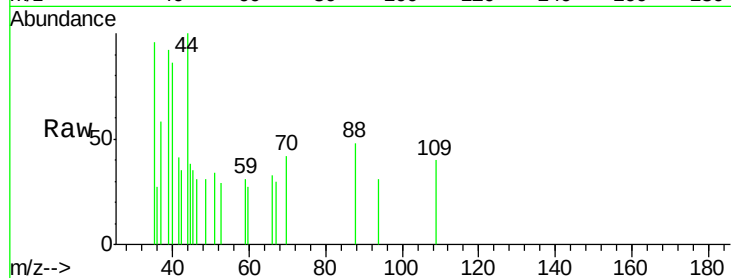
Tot Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 61.7 92.5#



#50

Toluene-d8

Concen: 51.393 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008301.D

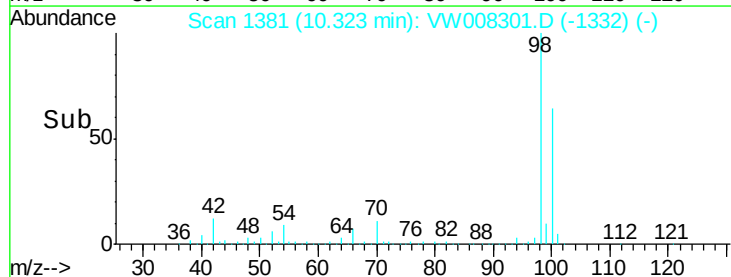
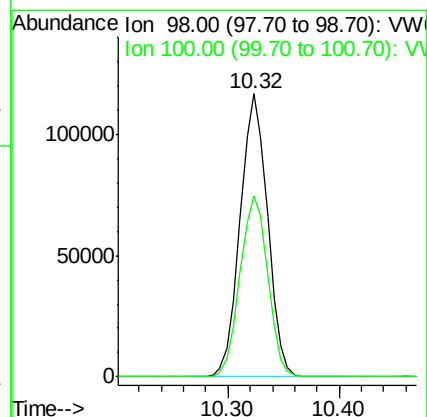
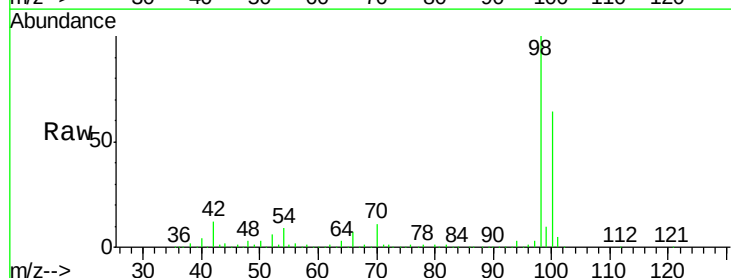
Acq: 16 Jan 2019 11:53

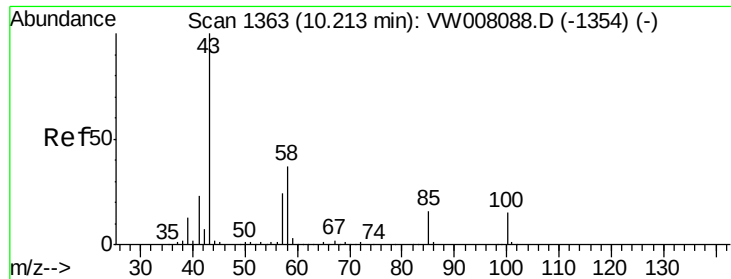
Tgt Ion: 98 Resp: 199698

Ion Ratio Lower Upper

98 100

100 64.6 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 2.120 ug/l

RT: 10.25 min Scan# 1369

Delta R.T. 0.04 min

Lab File: VW008301.D

Acq: 16 Jan 2019 11:53

Instrument :

MSVOA_W

ClientSampleId :

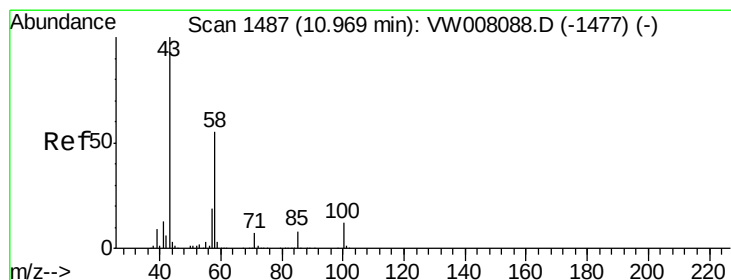
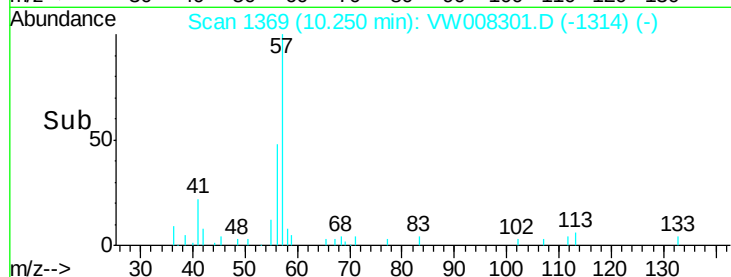
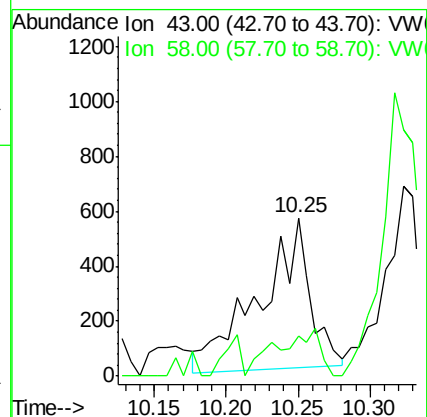
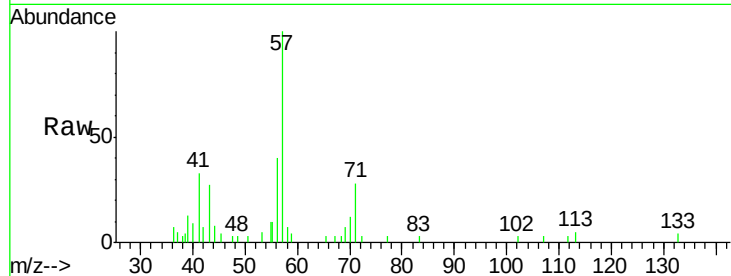
VW0116SBL01

Tot Ion: 43 Resp: 1344

Ion Ratio Lower Upper

43 100

58 13.6 30.6 46.0#



#59

2-Hexanone

Concen: 1.080 ug/l

RT: 11.07 min Scan# 1503

Delta R.T. 0.10 min

Lab File: VW008301.D

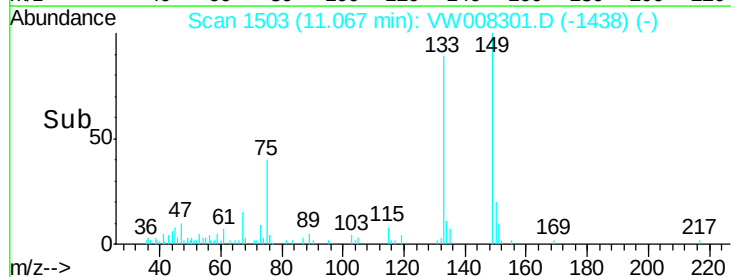
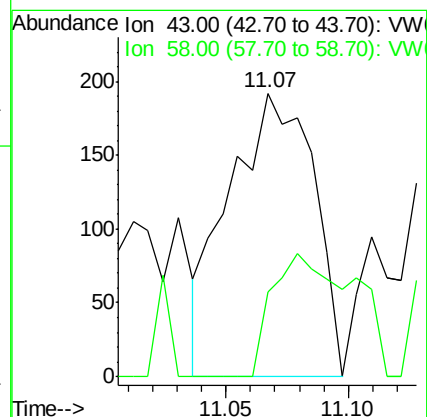
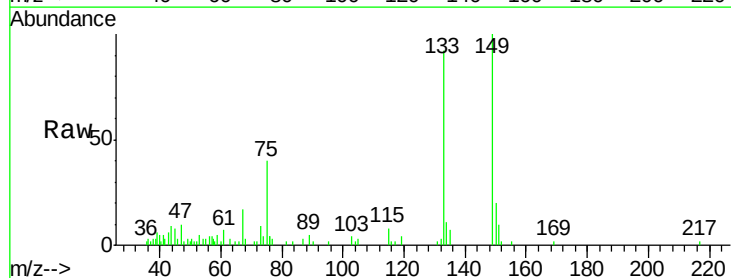
Acq: 16 Jan 2019 11:53

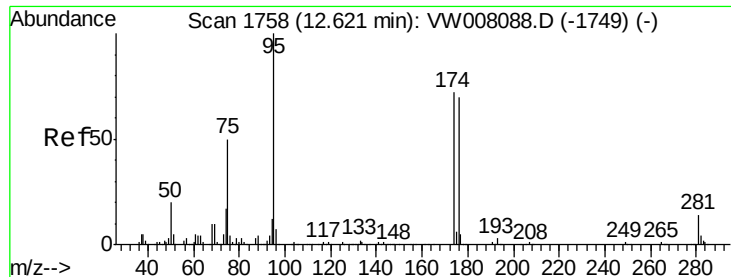
Tgt Ion: 43 Resp: 463

Ion Ratio Lower Upper

43 100

58 41.9 27.2 81.5





#62

4-Bromofluorobenzene

Concen: 48.174 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008301.D

Acq: 16 Jan 2019 11:53

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBL01

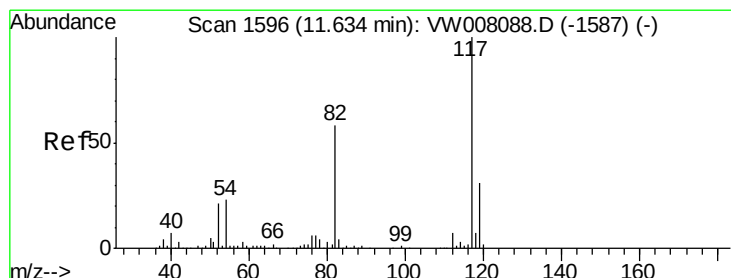
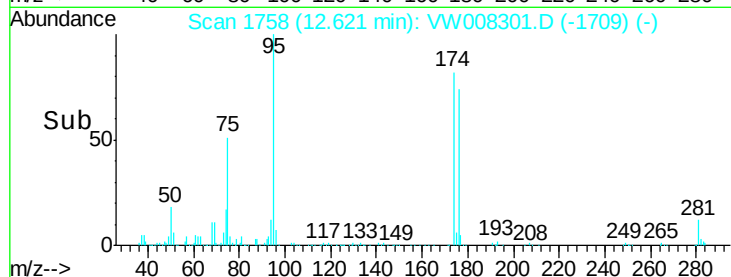
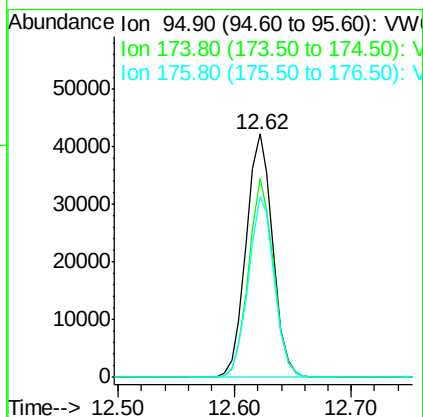
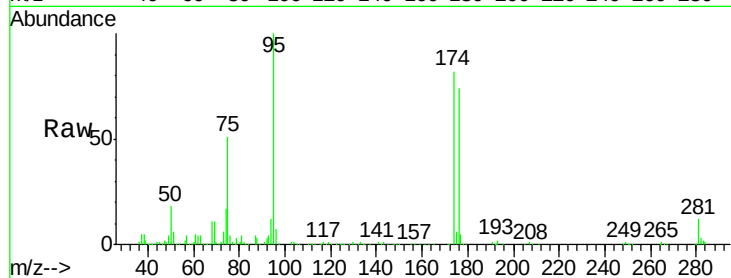
Tot Ion: 95 Resp: 67108

Ion Ratio Lower Upper

95 100

174 77.4 0.0 143.0

176 72.6 0.0 140.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008301.D

Acq: 16 Jan 2019 11:53

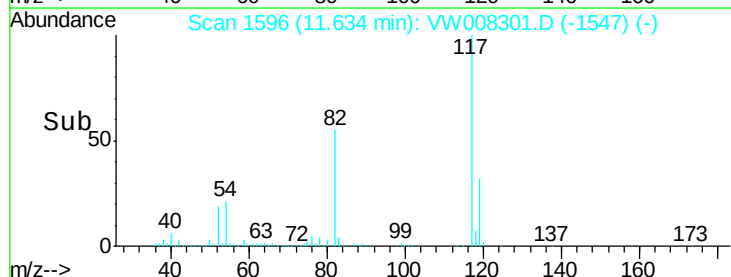
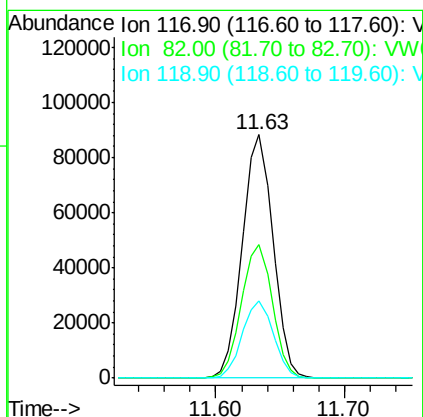
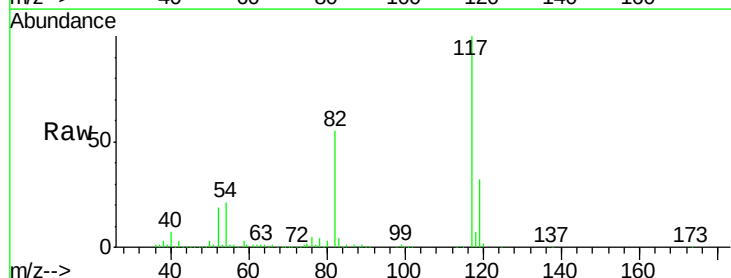
Tgt Ion: 117 Resp: 145670

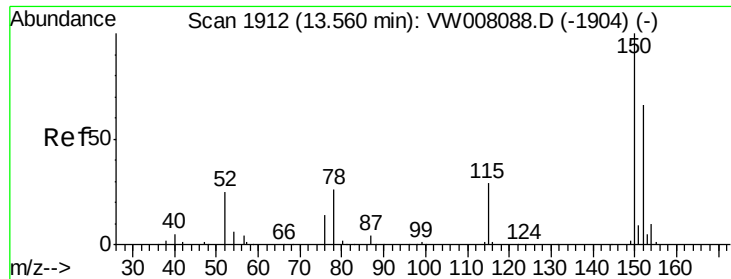
Ion Ratio Lower Upper

117 100

82 54.6 46.4 69.6

119 31.7 24.7 37.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008301.D

Acq: 16 Jan 2019 11:53

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBL01

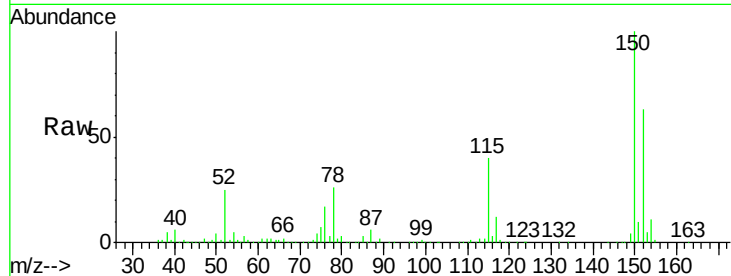
Tot Ion:152 Resp: 64897

Ion Ratio Lower Upper

152 100

115 61.2 30.8 92.4

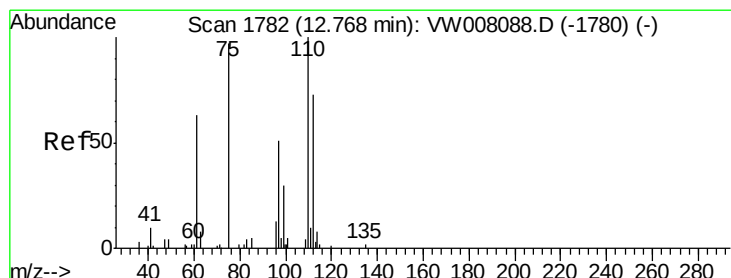
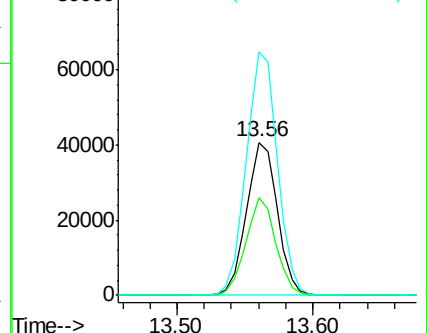
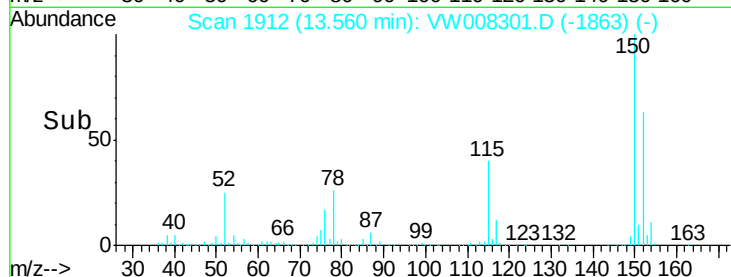
150 161.1 0.0 350.2



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: 58.121 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008301.D

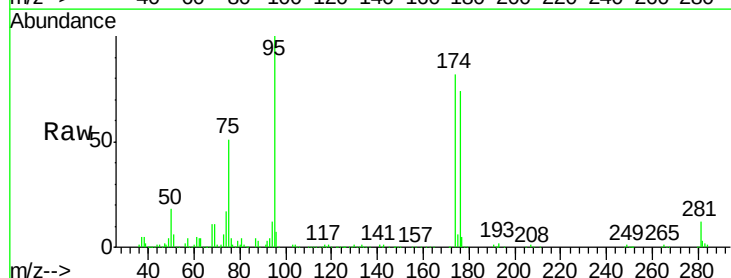
Acq: 16 Jan 2019 11:53

Tgt Ion: 75 Resp: 34385

Ion Ratio Lower Upper

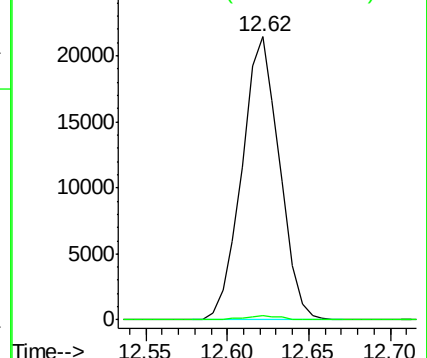
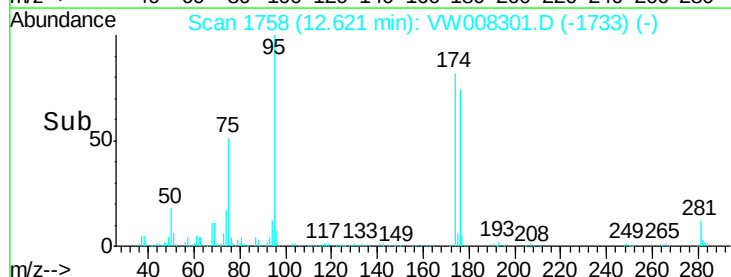
75 100

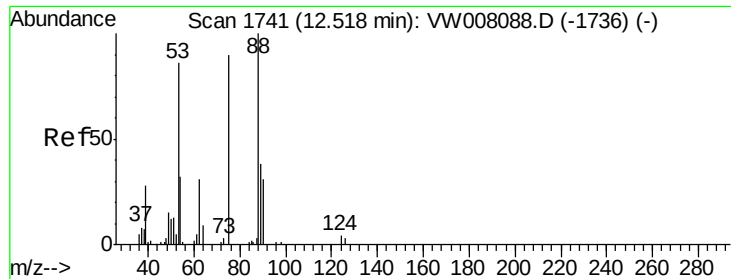
77 1.7 179.4 538.2#



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: 135.347 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008301.D

Acq: 16 Jan 2019 11:53

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBL01

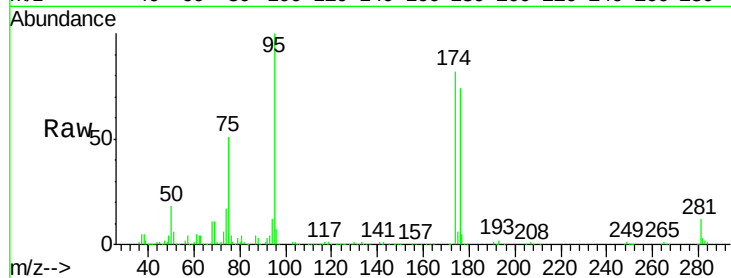
Tot Ion: 75 Resp: 34385

Ion Ratio Lower Upper

75 100

53 1.0 78.8 118.2#

89 0.6 35.4 53.2#



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

