

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012219\
 Data File : VW008387.D
 Acq On : 22 Jan 2019 14:28
 Operator : SY/VA
 Sample : VW0122SBL01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBL01

Quant Time: Jan 23 00:40:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	86600	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	157495	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	147474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	66979	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	54089	60.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	120.08%	
35) Dibromofluoromethane	7.88	113	53735	53.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.90%	
50) Toluene-d8	10.32	98	227876	57.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	115.40%	
62) 4-Bromofluorobenzene	12.62	95	69757	49.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.50%	

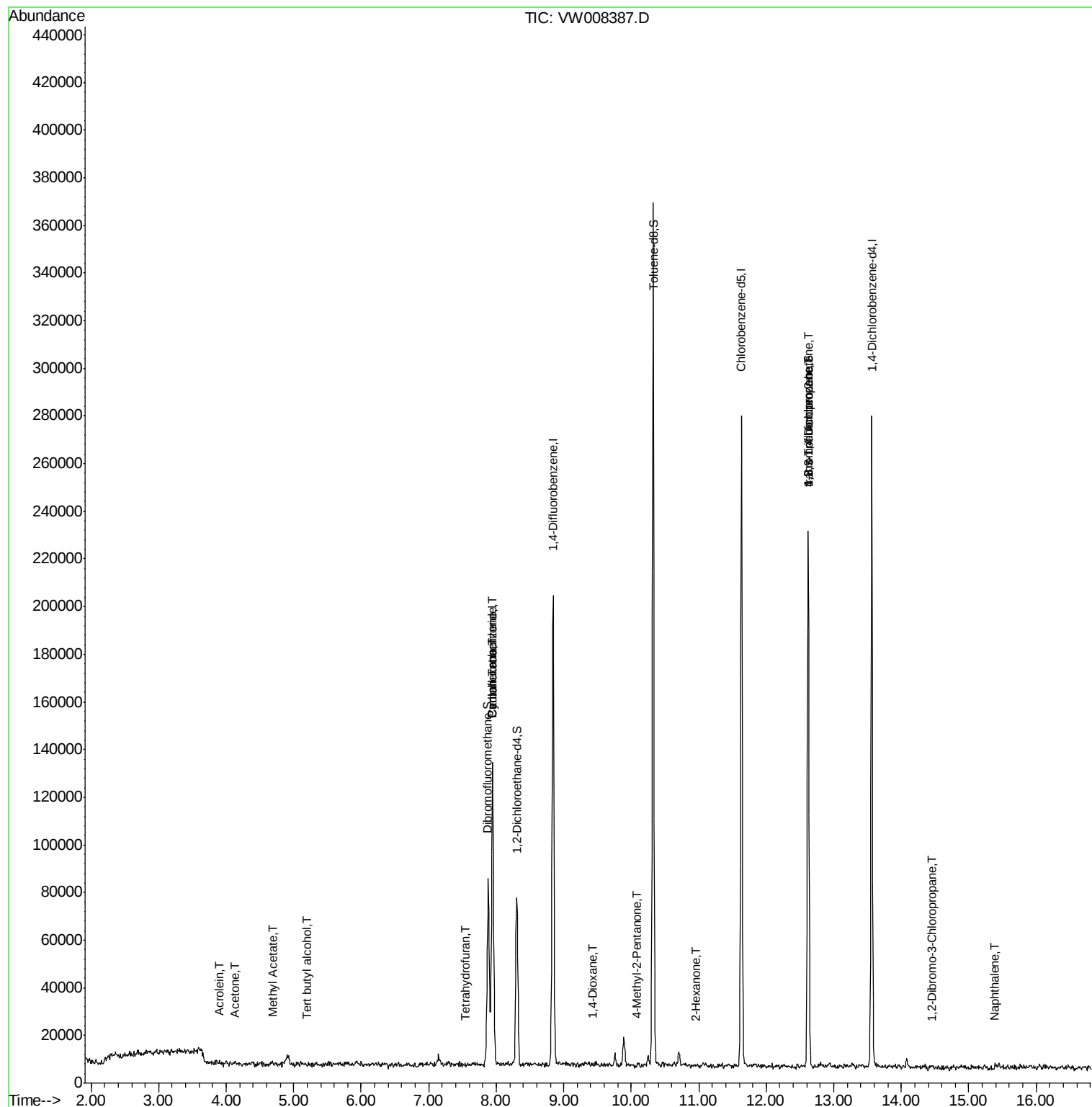
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	227	3.743	ug/l #	1
13) Acrolein	3.90	56	329	12.845	ug/l #	1
16) Acetone	4.12	43	992	4.742	ug/l #	52
18) Methyl Acetate	4.68	43	754	1.349	ug/l #	86
20) Methylene Chloride	4.90	84	3373	Below Cal	#	88
29) Tetrahydrofuran	7.55	42	236	1.413	ug/l #	41
31) Cyclohexane	7.95	56	2885	1.715	ug/l #	36
38) Carbon Tetrachloride	7.94	117	9320	5.957	ug/l #	17
49) 1,4-Dioxane	9.43	88	158	16.890	ug/l #	1
51) 4-Methyl-2-Pentanone	10.09	43	667	1.067	ug/l	98
59) 2-Hexanone	10.96	43	529	1.208	ug/l	92
76) 1,2,3-Trichloropropane	12.62	75	38370	62.907	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	38370	150.123	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.46	75	197	1.451	ug/l #	8
95) Naphthalene	15.37	128	354	2.461	ug/l #	71

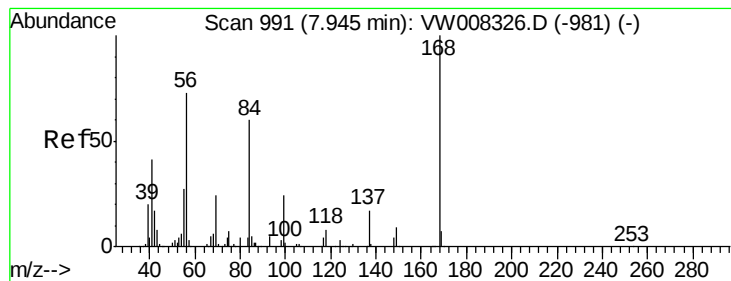
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW012219\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 18 00:57:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008387.D

Acq: 22 Jan 2019 14:28

Instrument :

MSVOA_W

ClientSampleId :

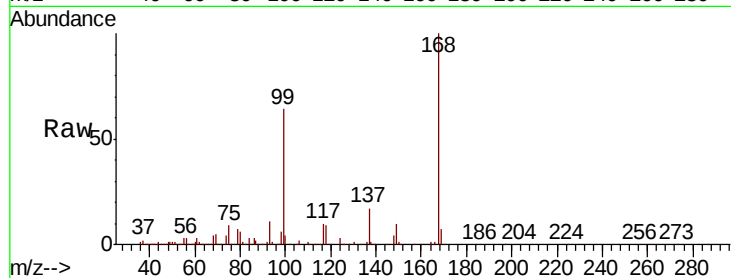
VW0122SBL01

Tgt Ion:168 Resp: 86600

Ion Ratio Lower Upper

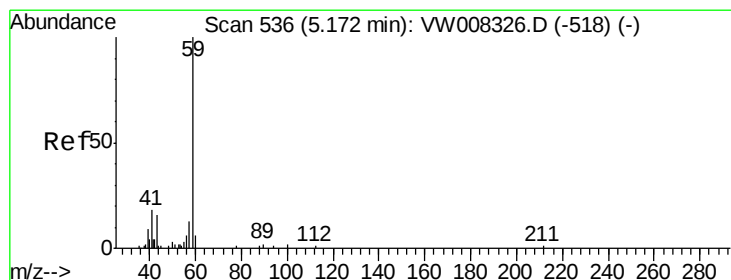
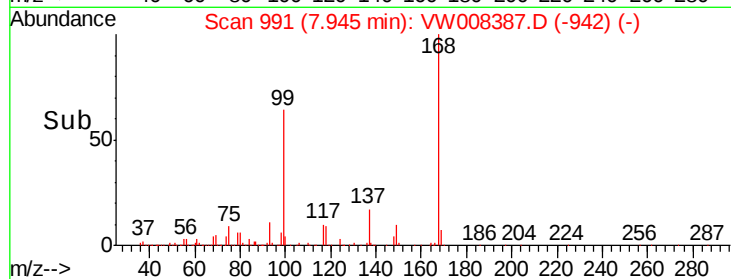
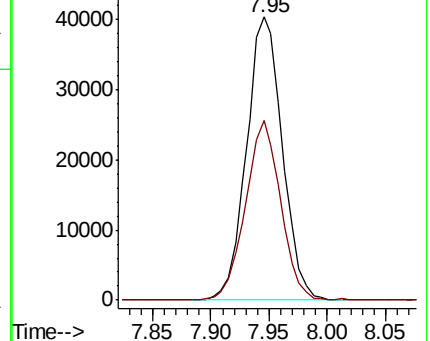
168 100

99 63.2 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 3.743 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.01 min

Lab File: VW008387.D

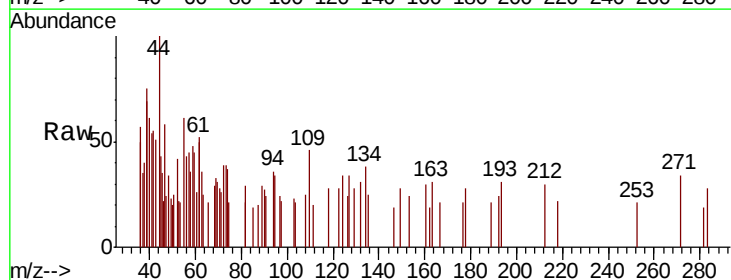
Acq: 22 Jan 2019 14:28

Tgt Ion: 59 Resp: 227

Ion Ratio Lower Upper

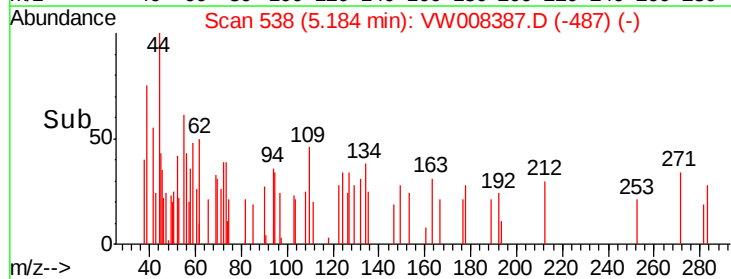
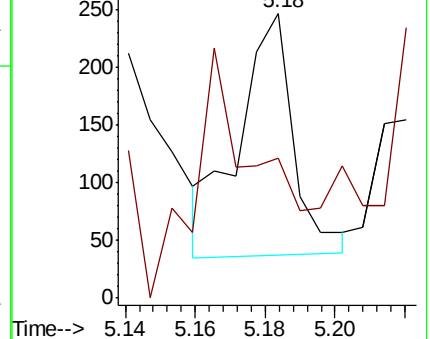
59 100

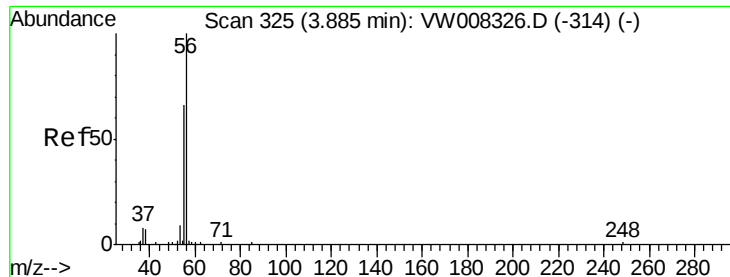
57 137.4 9.4 14.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 12.845 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008387.D

Acq: 22 Jan 2019 14:28

Instrument :

MSVOA_W

ClientSampled :

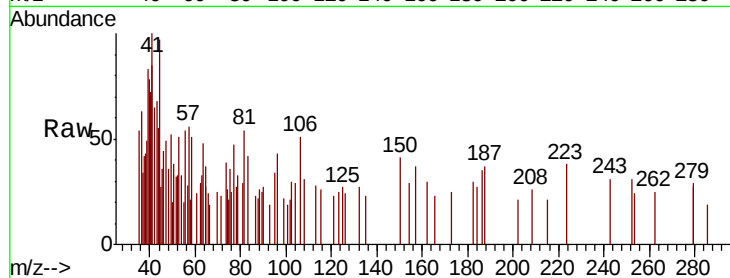
VW0122SBL01

Tgt Ion: 56 Resp: 329

Ion Ratio Lower Upper

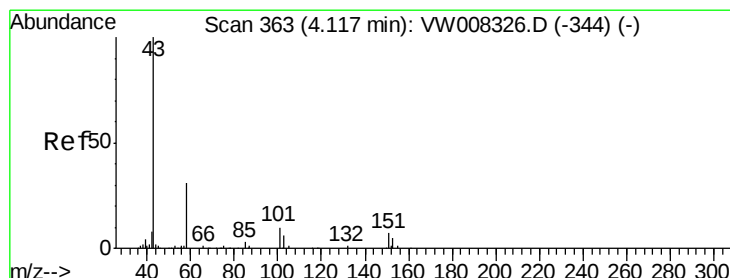
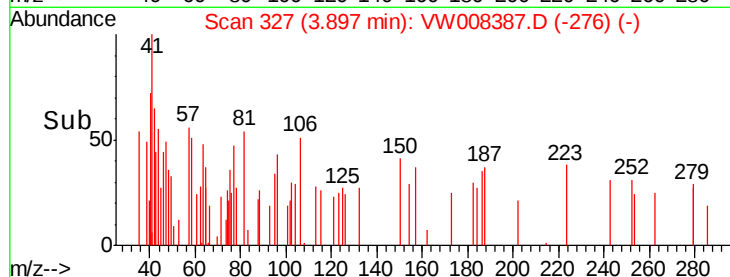
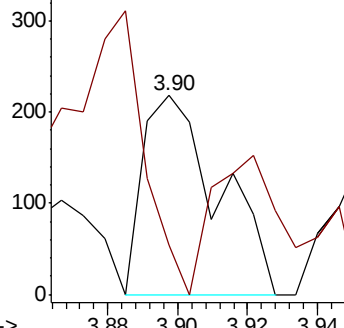
56 100

55 149.5 52.9 79.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 4.742 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008387.D

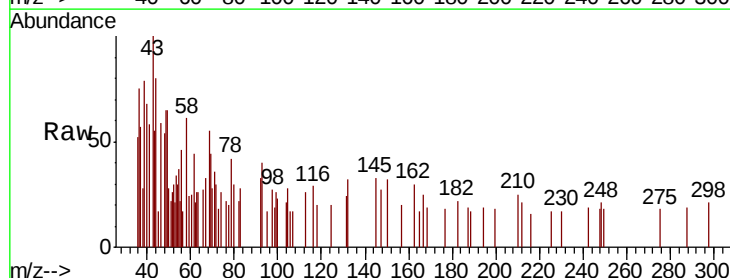
Acq: 22 Jan 2019 14:28

Tgt Ion: 43 Resp: 992

Ion Ratio Lower Upper

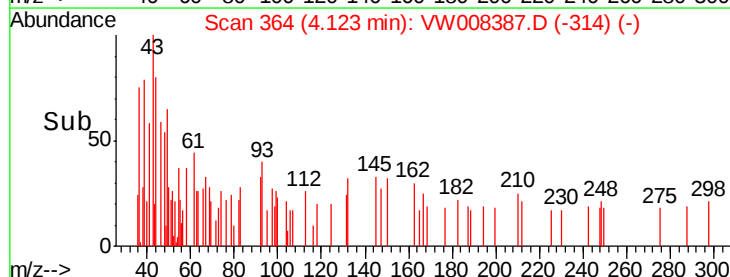
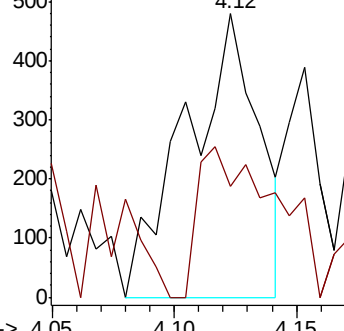
43 100

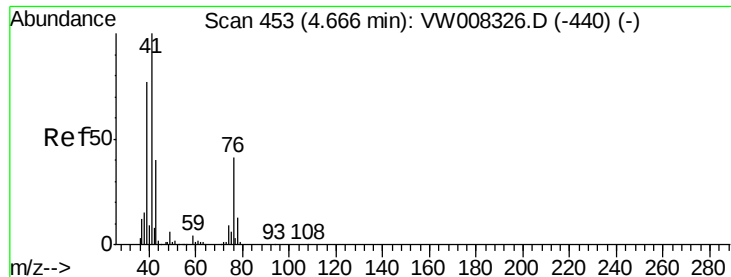
58 4.4 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

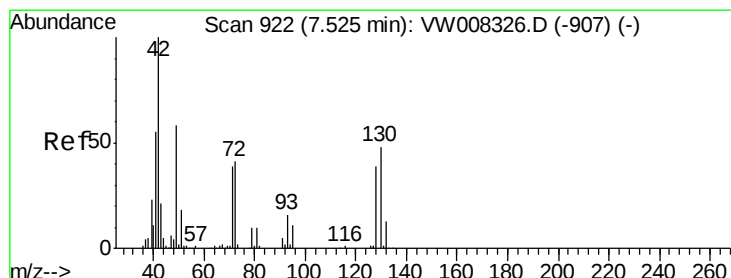
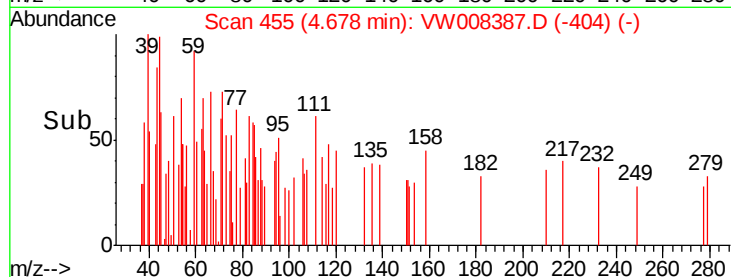
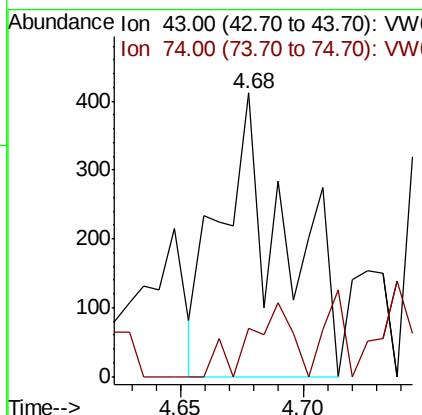
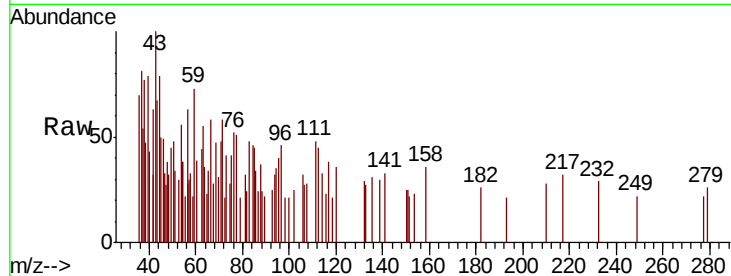




#18
Methyl Acetate
Concen: 1.349 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW008387.D
Acq: 22 Jan 2019 14:28

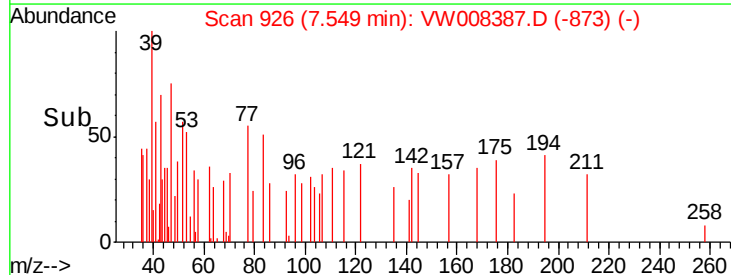
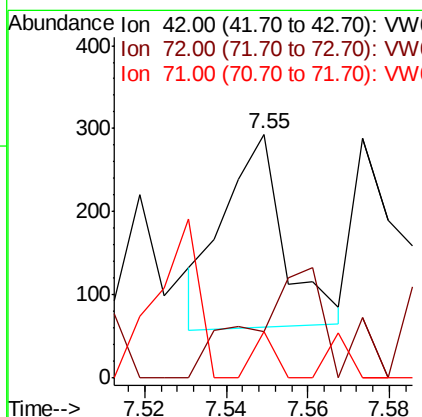
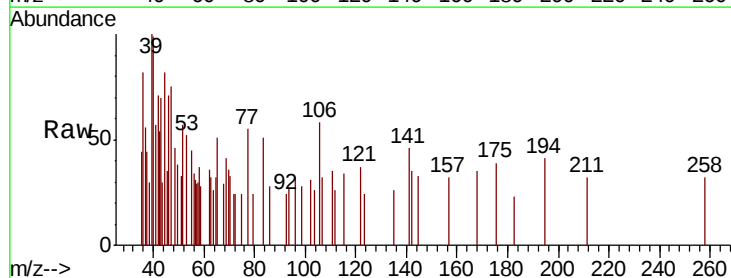
Instrument :
MSVOA_W
ClientSampleId :
VW0122SBL01

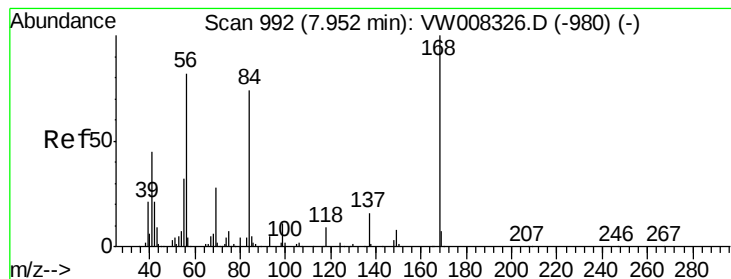
Tgt Ion: 43 Resp: 754
Ion Ratio Lower Upper
43 100
74 17.2 19.4 29.0#



#29
Tetrahydrofuran
Concen: 1.413 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW008387.D
Acq: 22 Jan 2019 14:28

Tgt Ion: 42 Resp: 236
Ion Ratio Lower Upper
42 100
72 0.0 34.0 51.0#
71 8.5 32.0 48.0#





#31

Cyclohexane

Concen: 1.715 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008387.D

Acq: 22 Jan 2019 14:28

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBL01

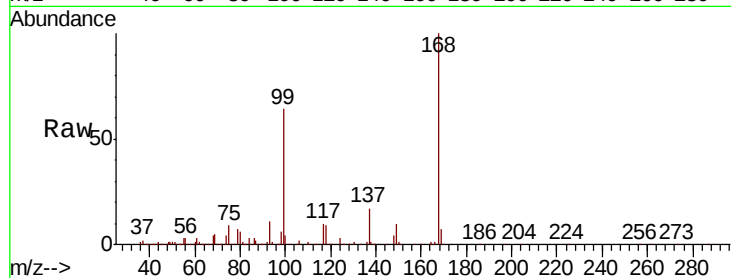
Tgt Ion: 56 Resp: 2885

Ion Ratio Lower Upper

56 100

69 138.8 27.0 40.6#

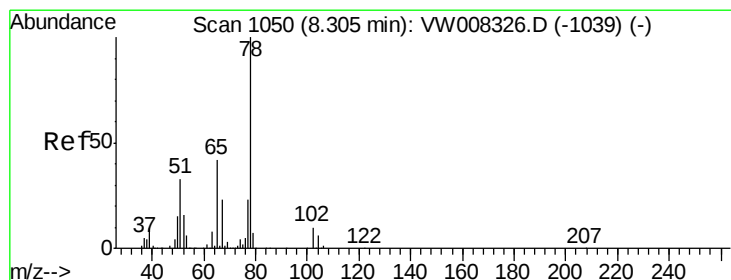
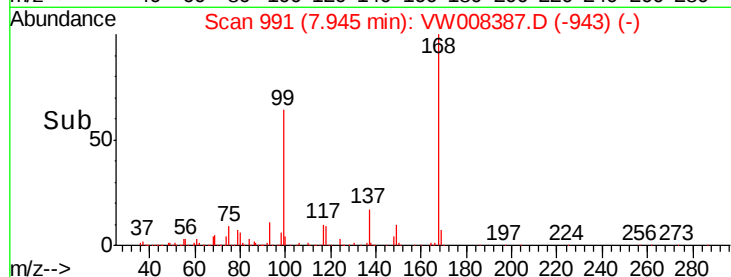
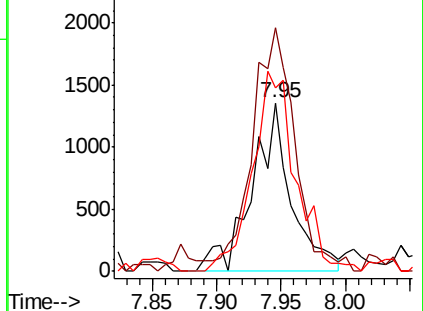
84 108.8 72.5 108.7#



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: 60.043 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008387.D

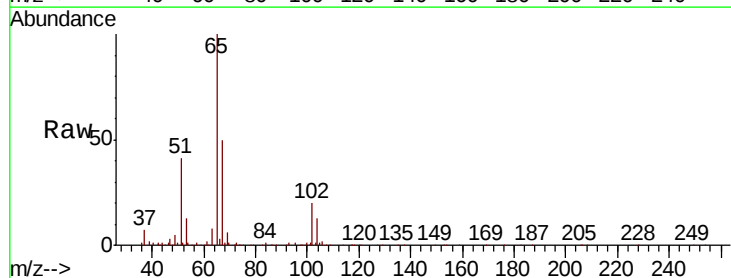
Acq: 22 Jan 2019 14:28

Tgt Ion: 65 Resp: 54089

Ion Ratio Lower Upper

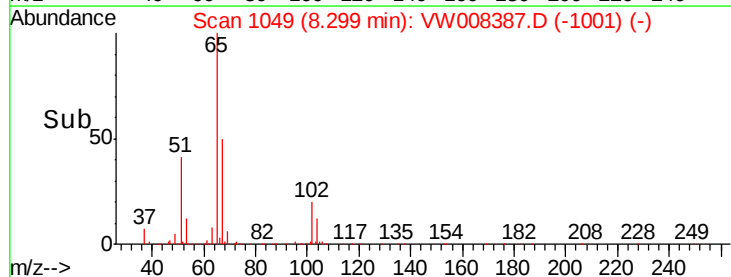
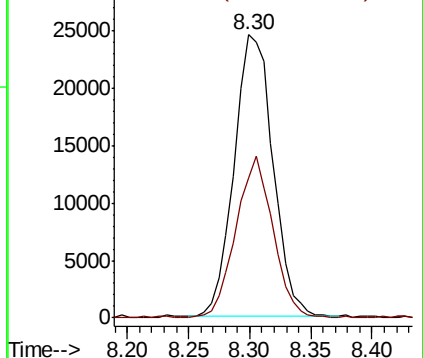
65 100

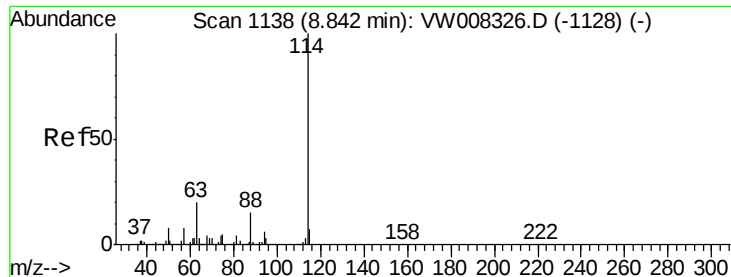
67 55.2 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

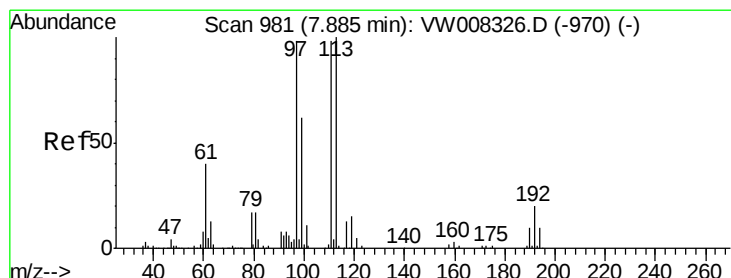
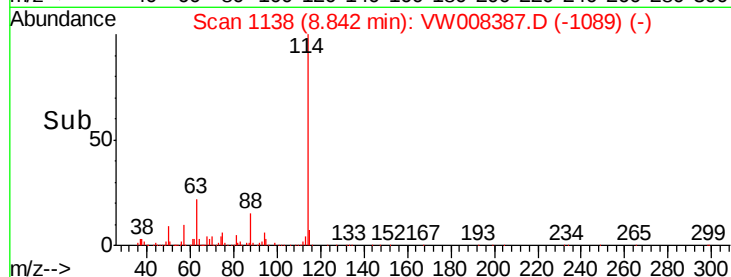
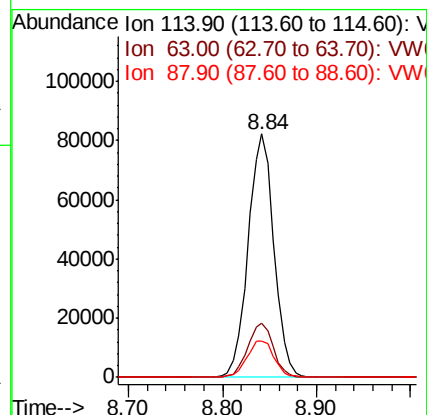
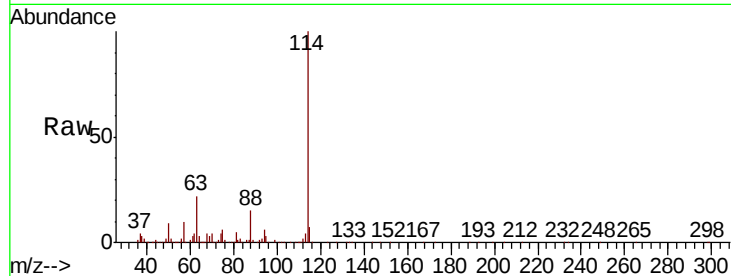




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008387.D
 Acq: 22 Jan 2019 14:28

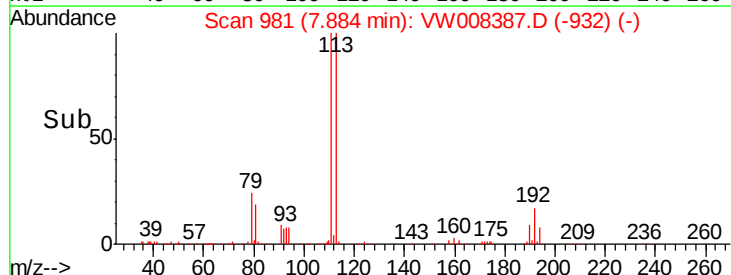
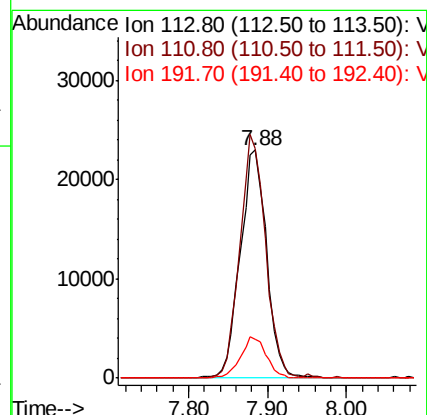
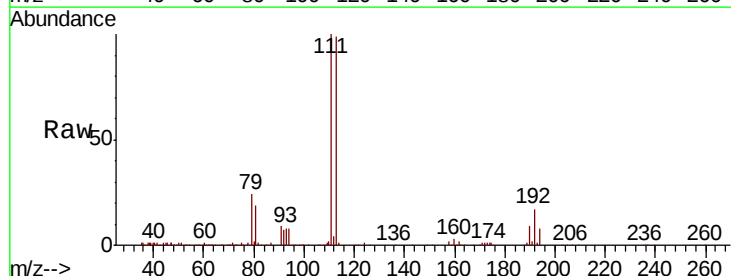
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBL01

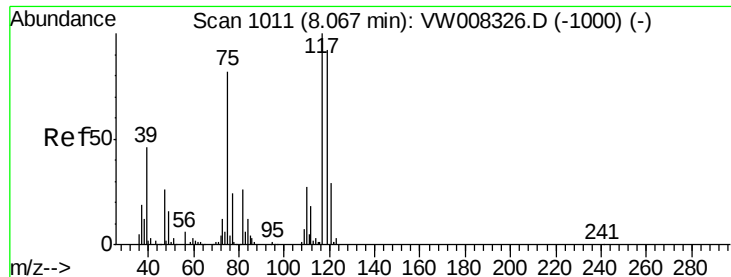
Tgt Ion:114 Resp: 157495
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 40.8
 88 14.7 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 53.449 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008387.D
 Acq: 22 Jan 2019 14:28

Tgt Ion:113 Resp: 53735
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.8 122.8
 192 17.6 16.3 24.5





#38

Carbon Tetrachloride

Concen: 5.957 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW008387.D

Acq: 22 Jan 2019 14:28

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBL01

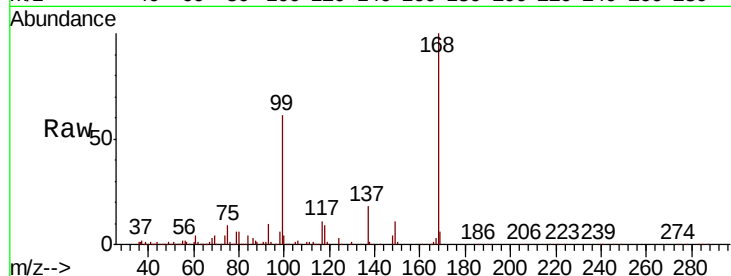
Tgt Ion: 117 Resp: 9320

Ion Ratio Lower Upper

117 100

119 4.6 73.8 110.6#

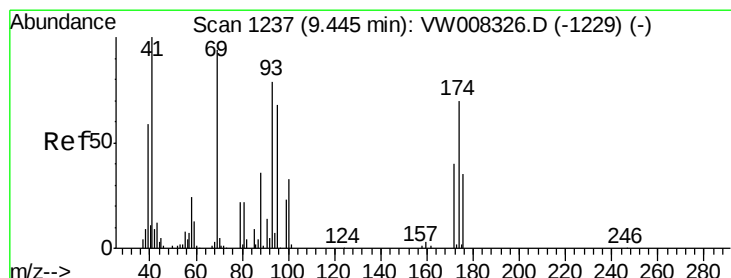
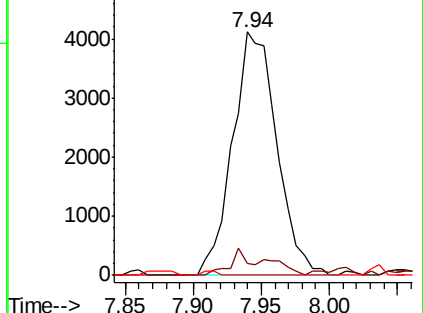
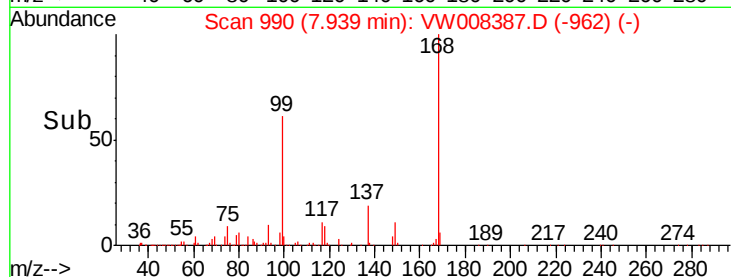
121 0.0 23.4 35.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 16.890 ug/l

RT: 9.43 min Scan# 1234

Delta R.T. -0.02 min

Lab File: VW008387.D

Acq: 22 Jan 2019 14:28

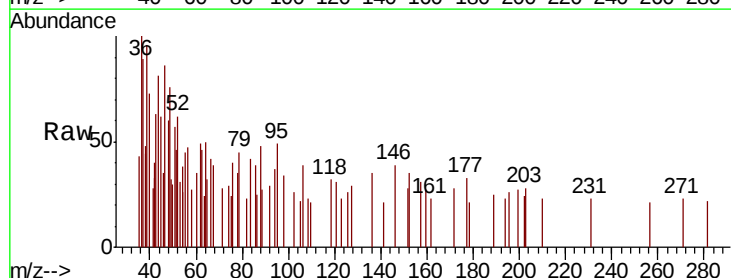
Tgt Ion: 88 Resp: 158

Ion Ratio Lower Upper

88 100

43 103.2 27.1 40.7#

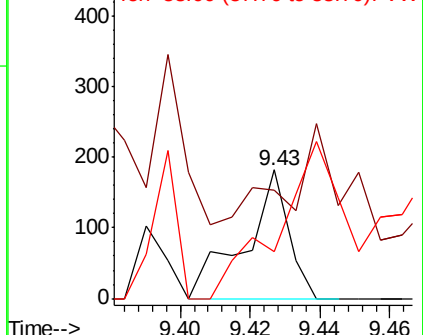
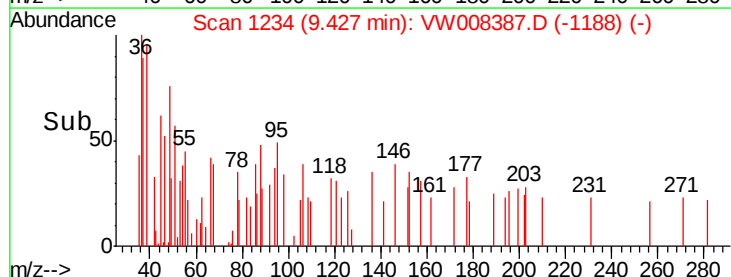
58 181.6 57.9 86.9#

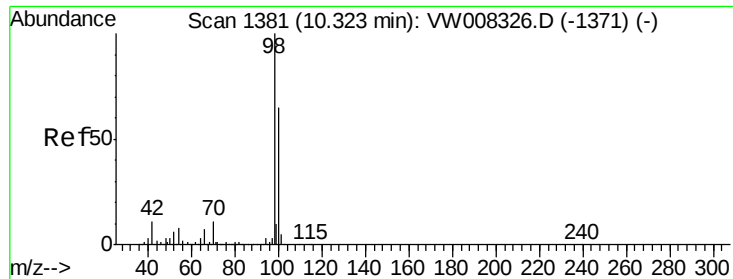


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 57.697 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008387.D

Acq: 22 Jan 2019 14:28

Instrument :

MSVOA_W

ClientSampleId :

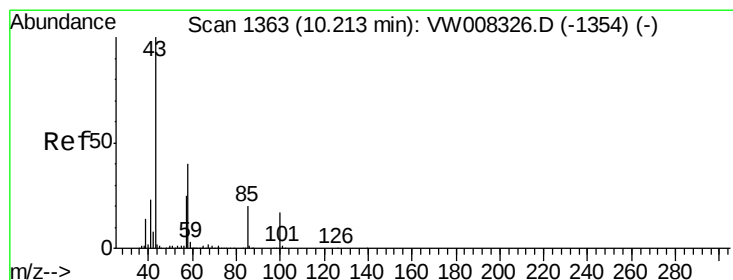
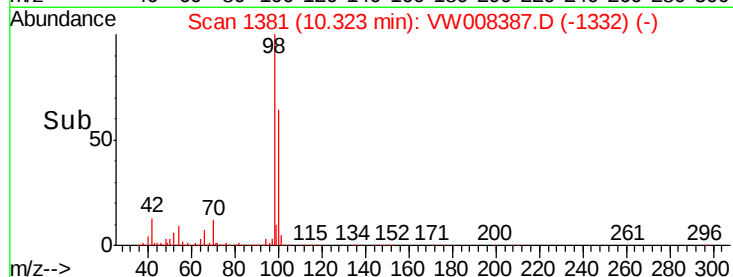
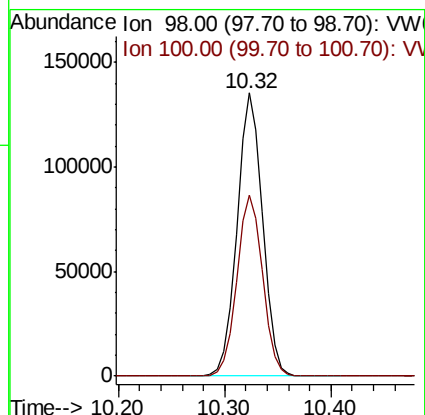
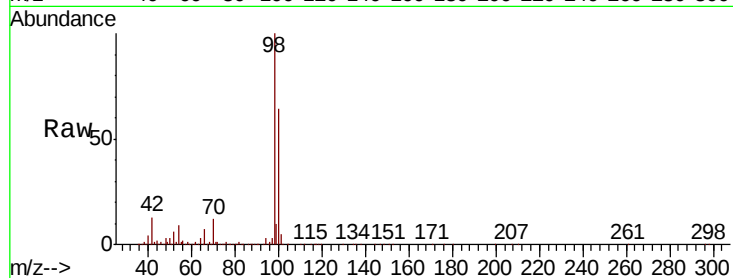
VW0122SBL01

Tgt Ion: 98 Resp: 227876

Ion Ratio Lower Upper

98 100

100 64.4 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 1.067 ug/l

RT: 10.09 min Scan# 1343

Delta R.T. -0.12 min

Lab File: VW008387.D

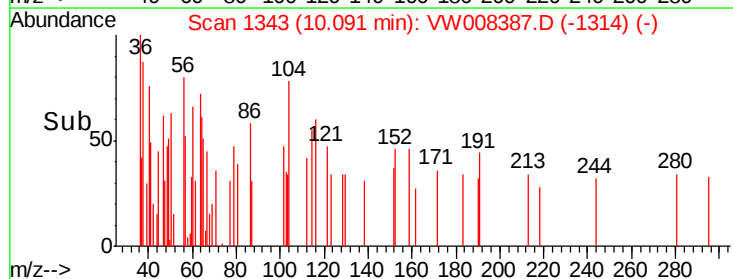
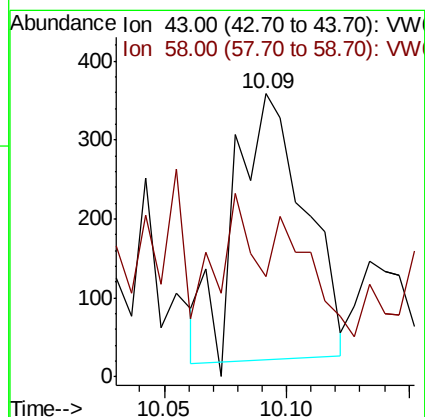
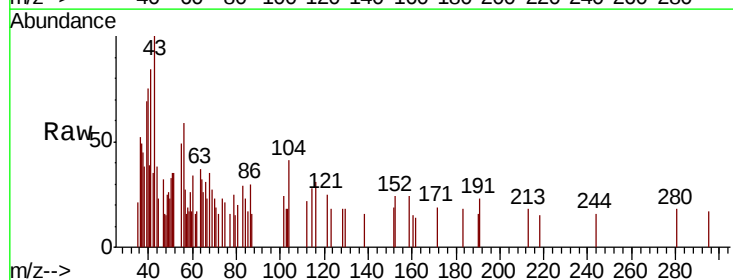
Acq: 22 Jan 2019 14:28

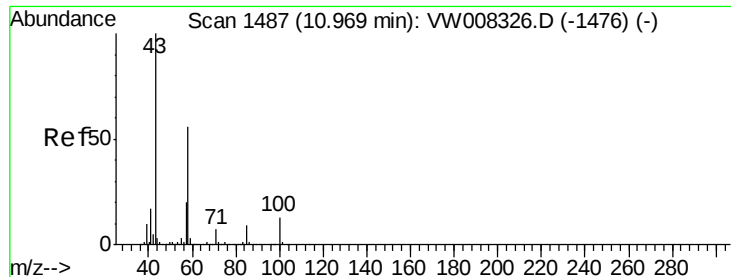
Tgt Ion: 43 Resp: 667

Ion Ratio Lower Upper

43 100

58 40.6 31.4 47.0





#59

2-Hexanone

Concen: 1.208 ug/l

RT: 10.96 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VW008387.D

Acq: 22 Jan 2019 14:28

Instrument :

MSVOA_W

ClientSampleId :

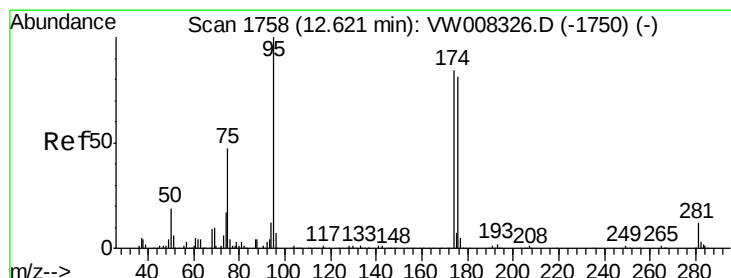
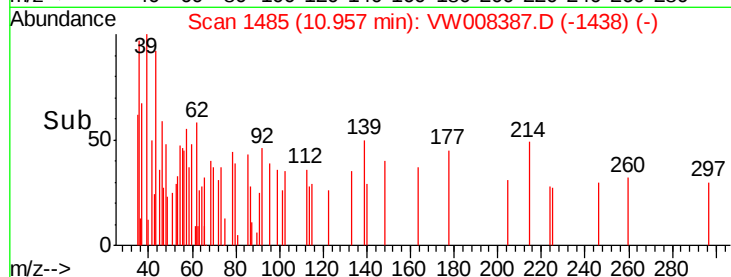
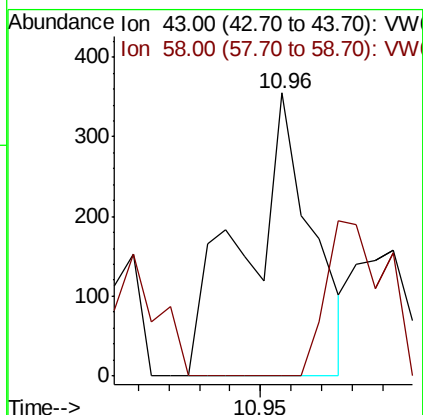
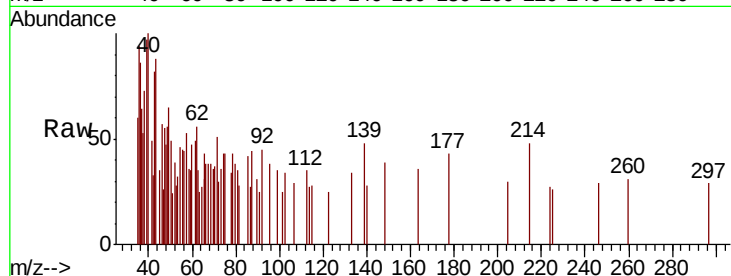
VW0122SBL01

Tgt Ion: 43 Resp: 529

Ion Ratio Lower Upper

43 100

58 49.5 27.5 82.5



#62

4-Bromofluorobenzene

Concen: 49.246 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008387.D

Acq: 22 Jan 2019 14:28

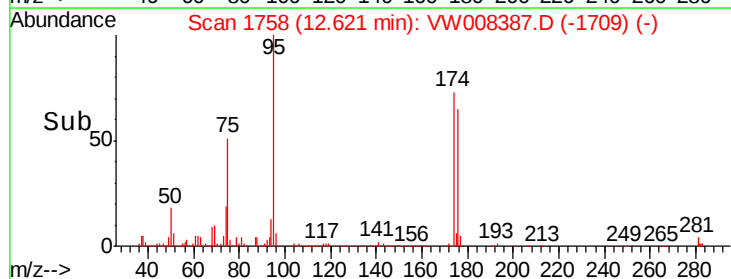
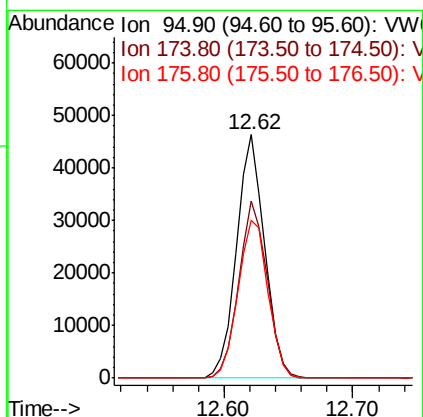
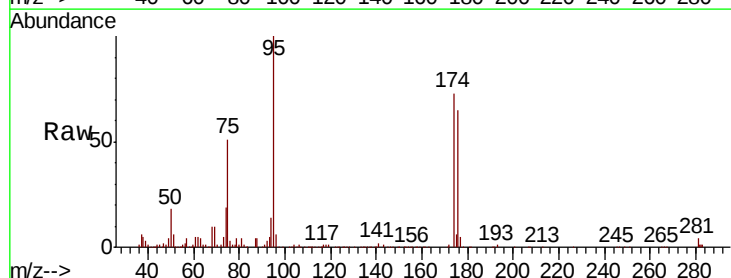
Tgt Ion: 95 Resp: 69757

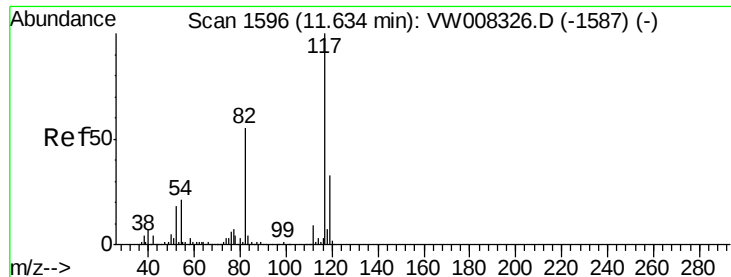
Ion Ratio Lower Upper

95 100

174 73.9 0.0 166.0

176 69.4 0.0 160.0

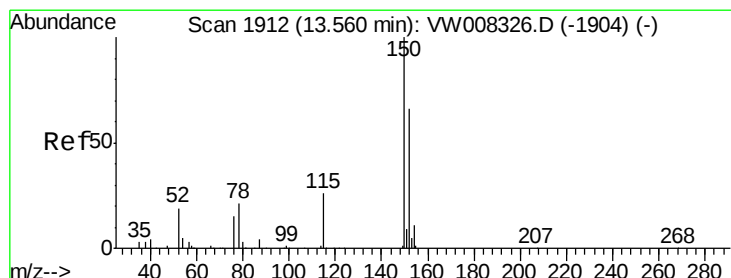
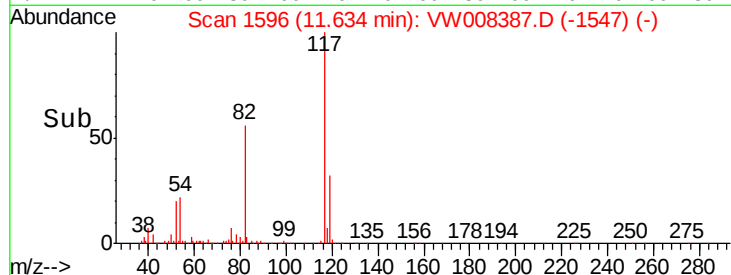
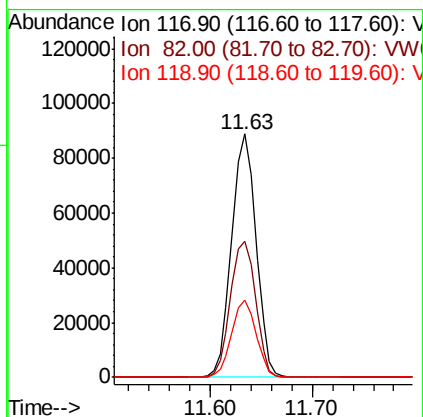
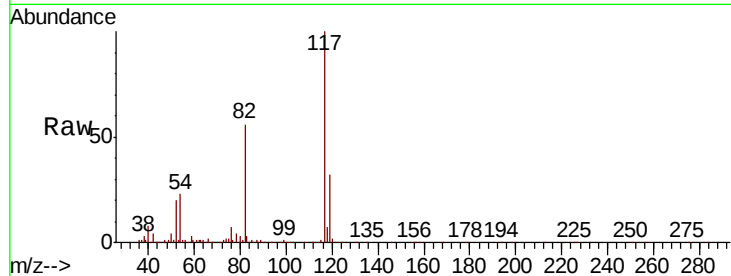




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008387.D
Acq: 22 Jan 2019 14:28

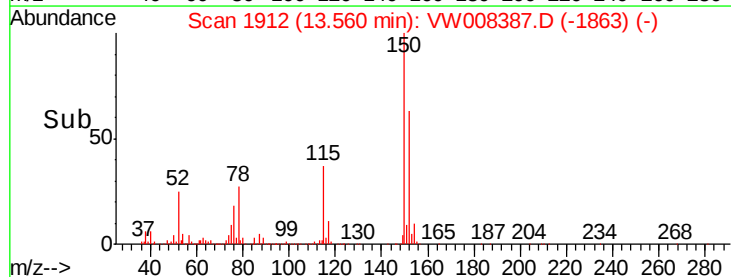
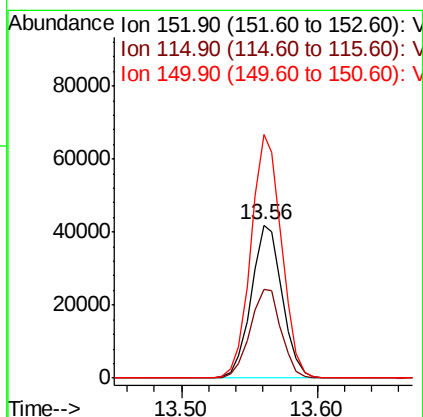
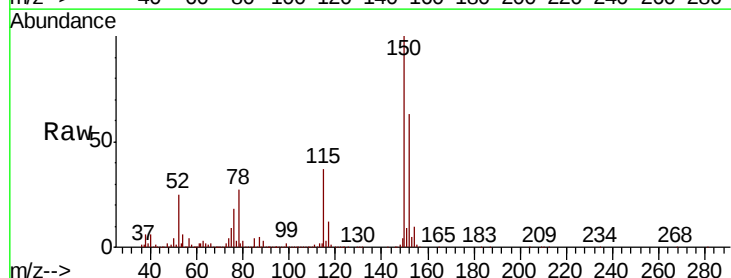
Instrument :
MSVOA_W
ClientSampleId :
VW0122SBL01

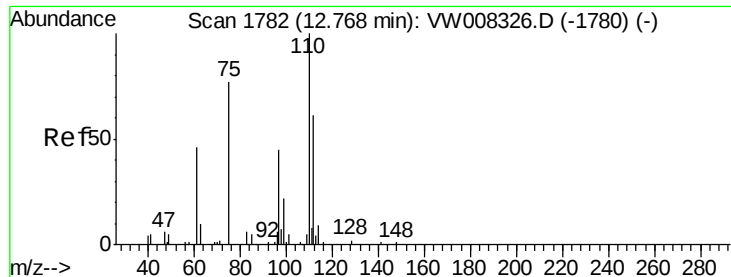
Tgt Ion:117 Resp: 147474
Ion Ratio Lower Upper
117 100
82 55.9 44.3 66.5
119 31.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008387.D
Acq: 22 Jan 2019 14:28

Tgt Ion:152 Resp: 66979
Ion Ratio Lower Upper
152 100
115 58.1 28.8 86.4
150 157.4 0.0 351.4

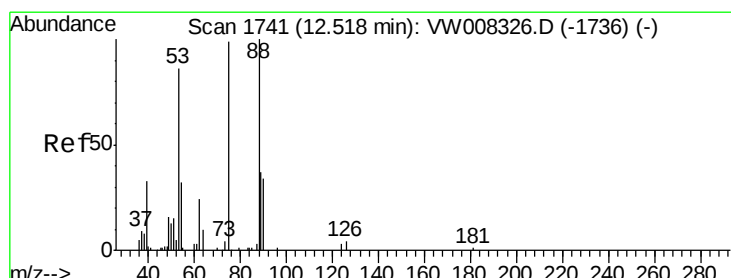
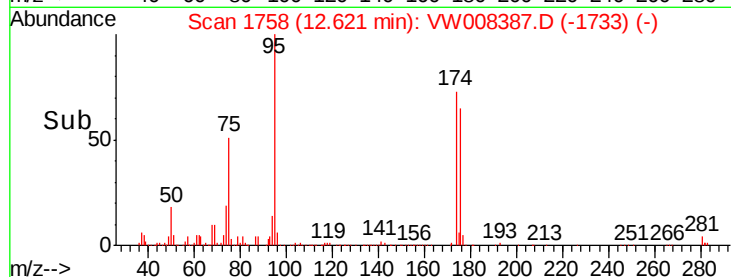
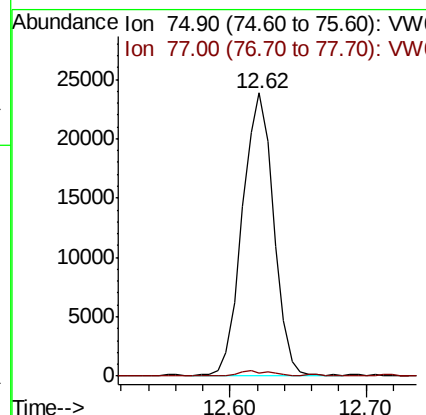
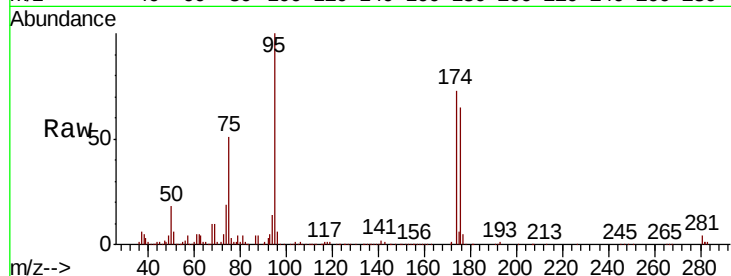




#76
 1,2,3-Trichloropropane
 Concen: 62.907 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008387.D
 Acq: 22 Jan 2019 14:28

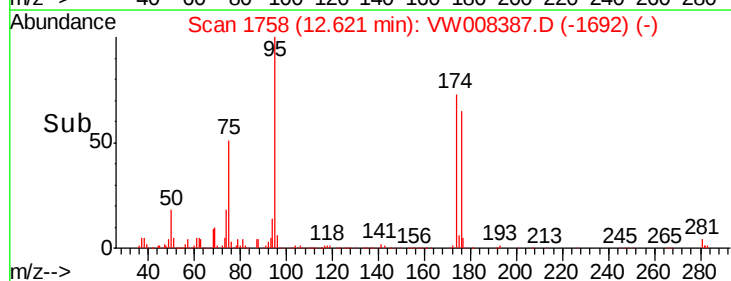
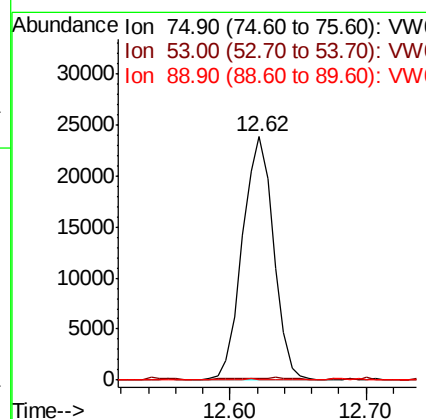
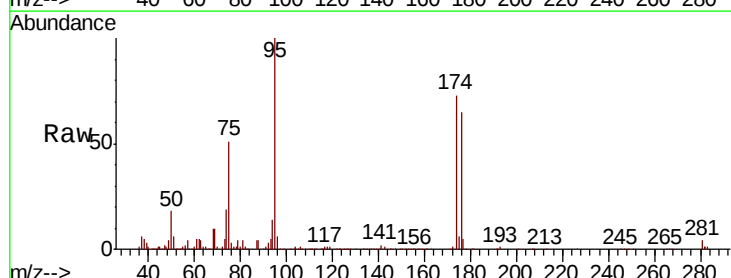
Instrument :
 MSVOA_W
 ClientSampled :
 VW0122SBL01

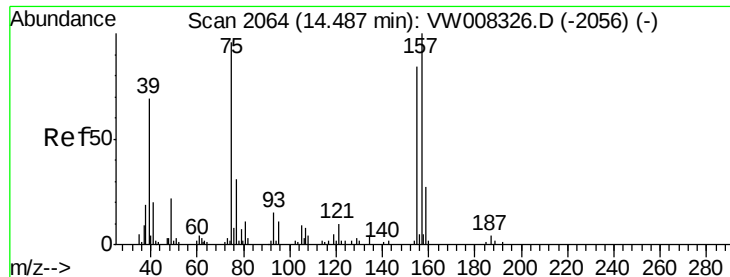
Tgt Ion: 75 Resp: 38370
 Ion Ratio Lower Upper
 75 100
 77 1.9 175.3 526.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 150.123 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW008387.D
 Acq: 22 Jan 2019 14:28

Tgt Ion: 75 Resp: 38370
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.2 114.4#
 89 0.3 36.7 55.1#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.451 ug/l

RT: 14.46 min Scan# 2059

Delta R.T. -0.03 min

Lab File: VW008387.D

Acq: 22 Jan 2019 14:28

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBL01

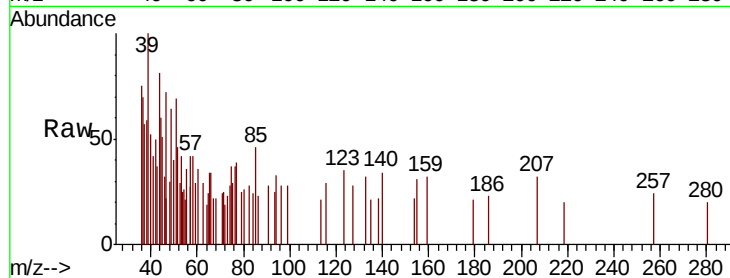
Tgt Ion: 75 Resp: 197

Ion Ratio Lower Upper

75 100

155 15.7 44.7 134.1#

157 0.0 53.9 161.8#

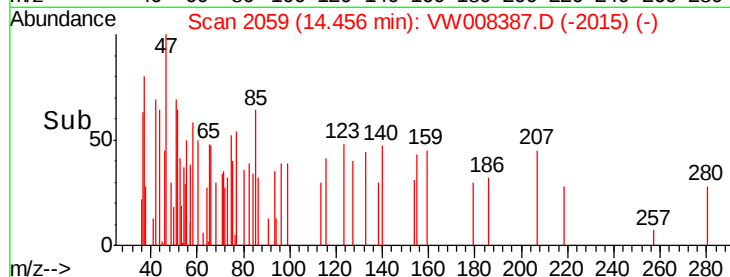


Abundance Ion 74.90 (74.60 to 75.60): VW

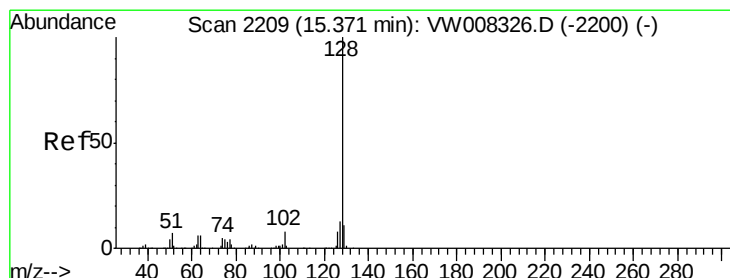
Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

Time-->



Time-->



#95

Naphthalene

Concen: 2.461 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008387.D

Acq: 22 Jan 2019 14:28

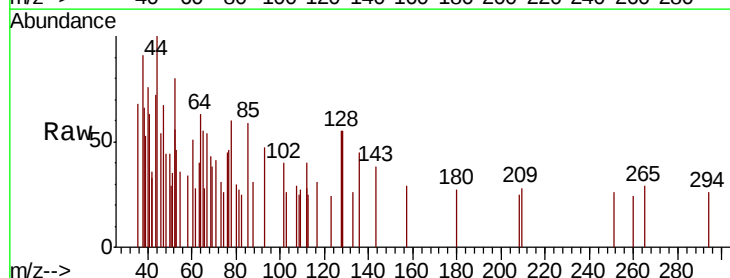
Tgt Ion: 128 Resp: 354

Ion Ratio Lower Upper

128 100

127 26.3 10.5 15.7#

129 20.1 8.8 13.2#

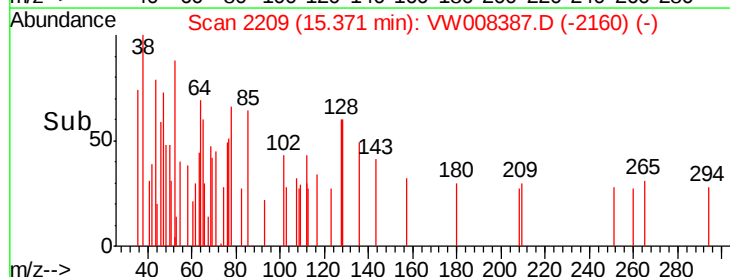


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

Time-->



Time-->