

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091218\
 Data File : VW005328.D
 Acq On : 12 Sep 2018 16:23
 Operator : SY/AP
 Sample : J4853-01
 Misc : 6.90G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 12 17:07:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	110419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	162600	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	130671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	33347	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.32	65	43378	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	
35) Dibromofluoromethane	7.89	113	41426	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	
50) Toluene-d8	10.33	98	149556	34.75	ug/l	0.00
Spiked Amount			Recovery	=	69.50%	
62) 4-Bromofluorobenzene	12.62	95	34512	21.92	ug/l	0.00
Spiked Amount			Recovery	=	43.84%	

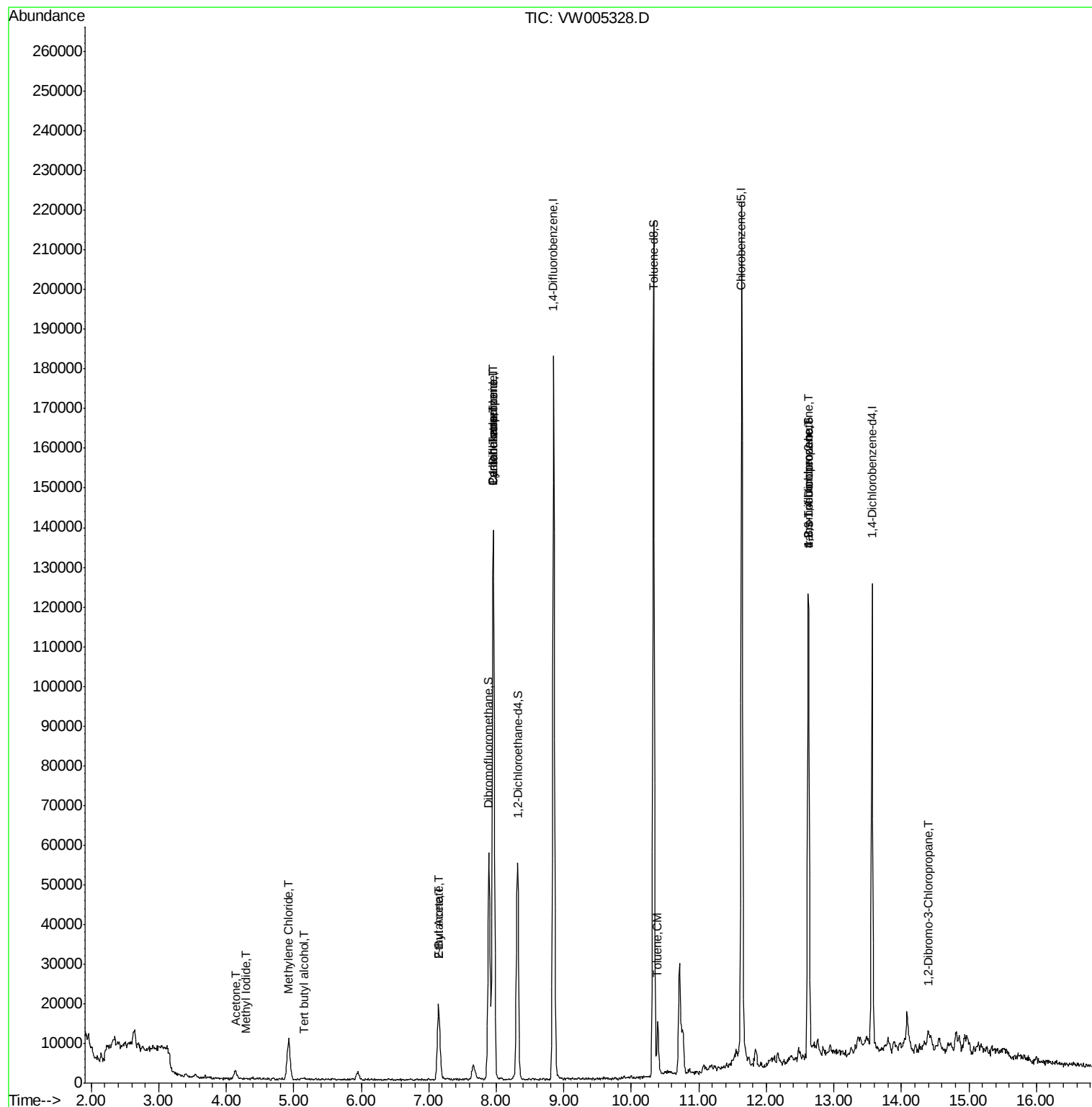
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	79	Below Cal	#	43
10) Methyl Iodide	4.29	142	107	3.412	ug/l #	45
11) Tert butyl alcohol	5.15	59	277	4.101	ug/l #	73
16) Acetone	4.14	43	3793	24.812	ug/l	94
20) Methylene Chloride	4.93	84	8615	4.593	ug/l	88
25) 2-Butanone	7.15	43	1032	4.280	ug/l #	84
31) Cyclohexane	7.96	56	1999	1.134	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	7596	5.099	ug/l #	49
37) Ethyl Acetate	7.15	43	1032	1.821	ug/l #	1
38) Carbon Tetrachloride	7.96	117	9677	6.935	ug/l #	16
52) Toluene	10.40	92	5365	1.682	ug/l	92
76) 1,2,3-Trichloropropane	12.62	75	16229	63.274	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	16229	148.391	ug/l #	16
92) 1,2-Dibromo-3-Chloropropan	14.39	75	59	1.002	ug/l #	36

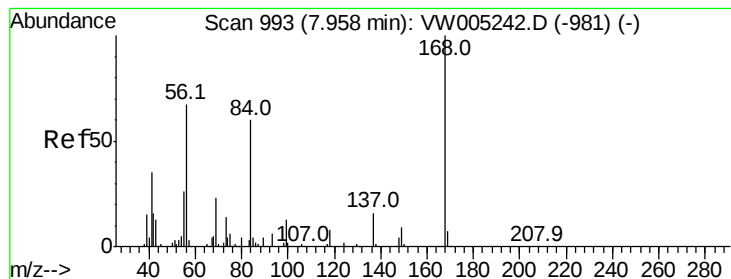
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 12 17:07:07 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 03:48:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005328.D

Acq: 12 Sep 2018 16:23

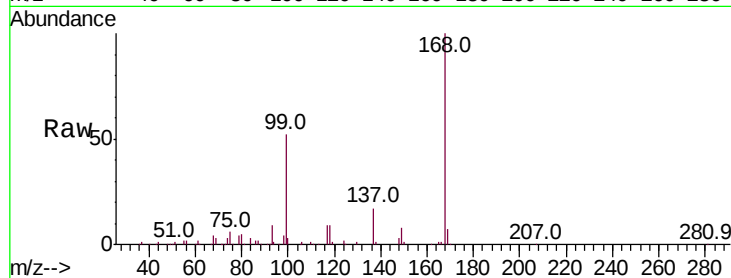
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 110419

Ion Ratio Lower Upper

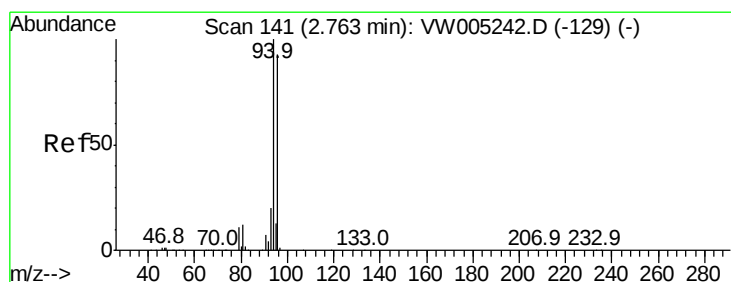
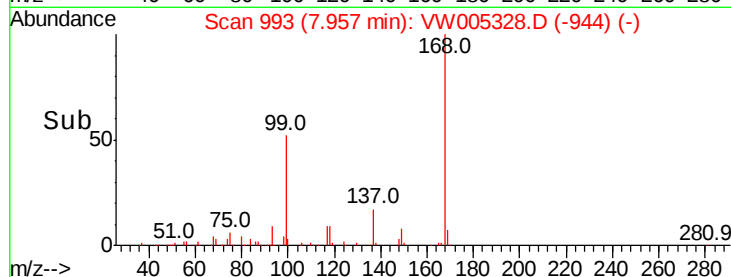
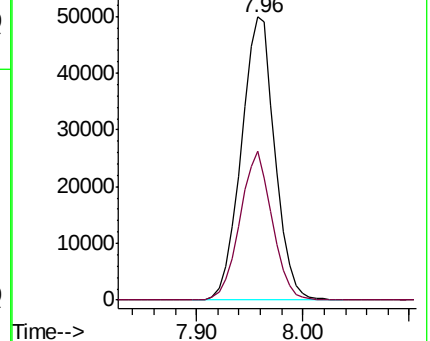
168 100

99 52.3 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW005328.D

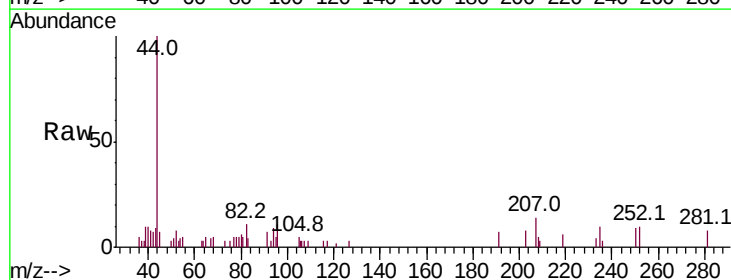
Acq: 12 Sep 2018 16:23

Tgt Ion: 94 Resp: 79

Ion Ratio Lower Upper

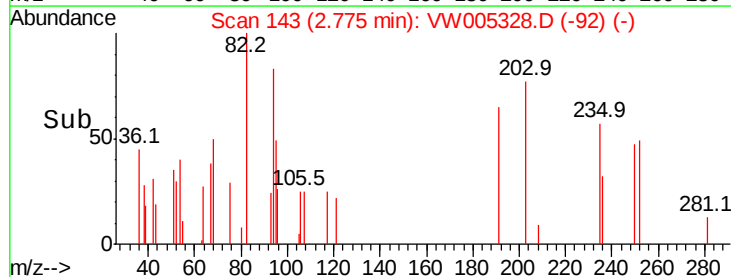
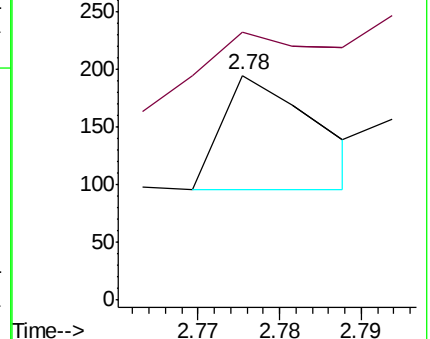
94 100

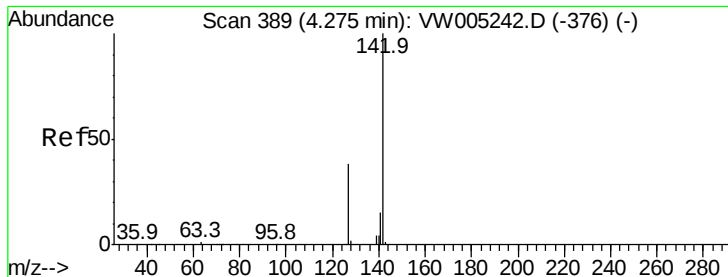
96 38.4 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW





#10

Methyl Iodide

Concen: 3.412 ug/l

RT: 4.29 min Scan# 392

Delta R.T. 0.02 min

Lab File: VW005328.D

Acq: 12 Sep 2018 16:23

Instrument :
MSVOA_W
ClientSampled :

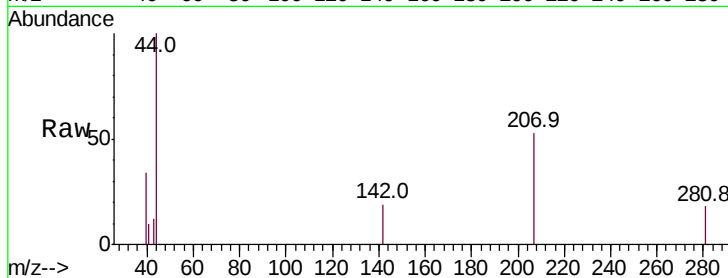
Tot Ion:142 Resp: 107

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

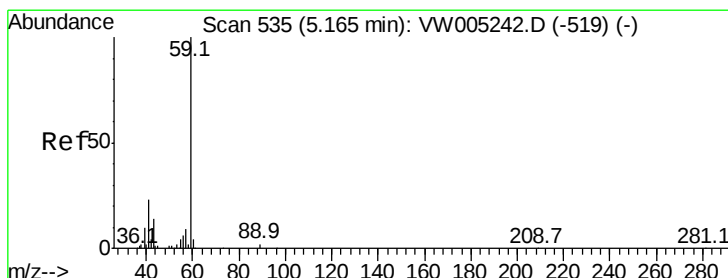
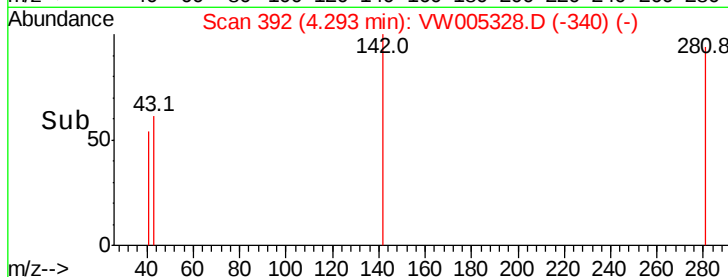
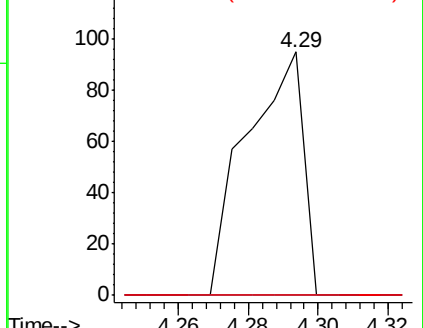
141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 4.101 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW005328.D

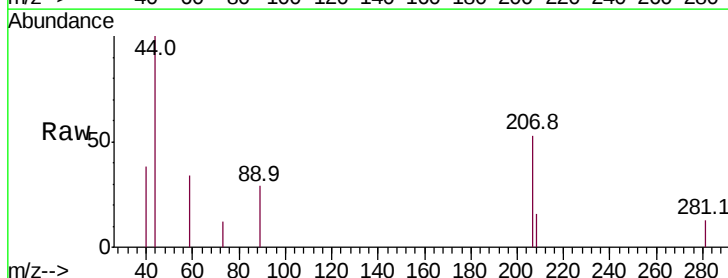
Acq: 12 Sep 2018 16:23

Tgt Ion: 59 Resp: 277

Ion Ratio Lower Upper

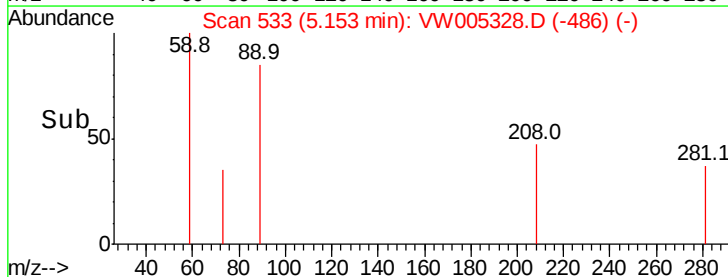
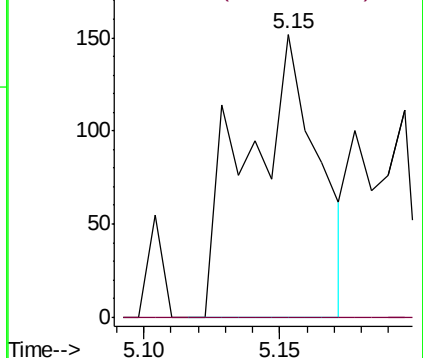
59 100

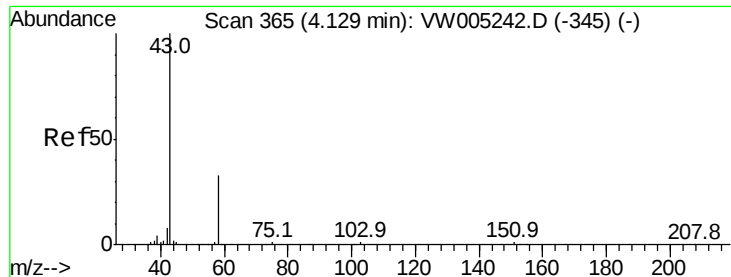
57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 24.812 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW005328.D

Acq: 12 Sep 2018 16:23

Instrument :

MSVOA_W

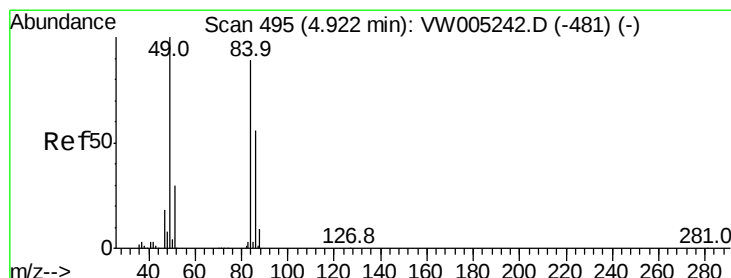
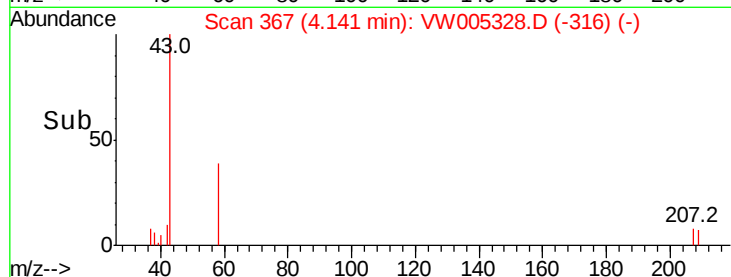
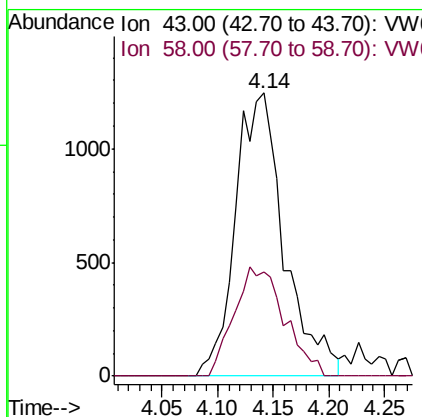
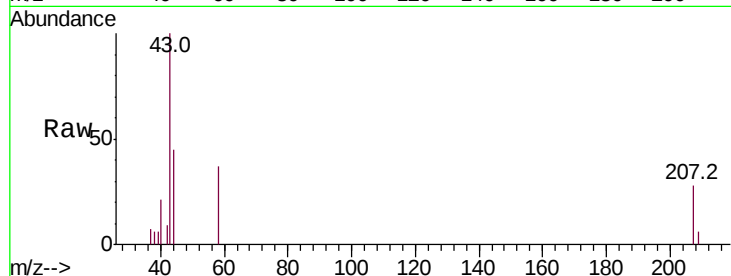
ClientSampled :

Tot Ion: 43 Resp: 3793

Ion Ratio Lower Upper

43 100

58 36.9 26.7 40.1



#20

Methylene Chloride

Concen: 4.593 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW005328.D

Acq: 12 Sep 2018 16:23

Tgt Ion: 84 Resp: 8615

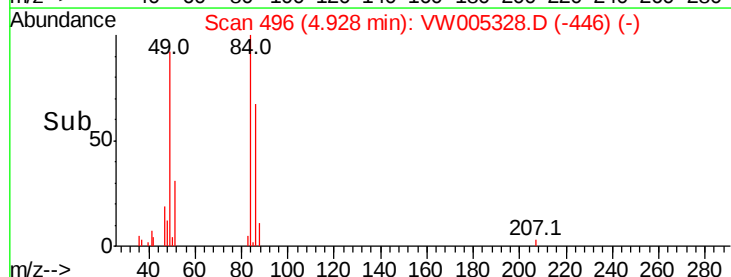
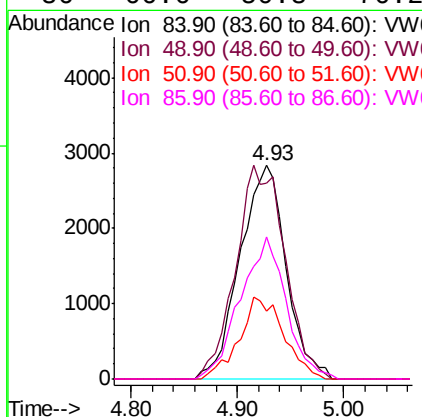
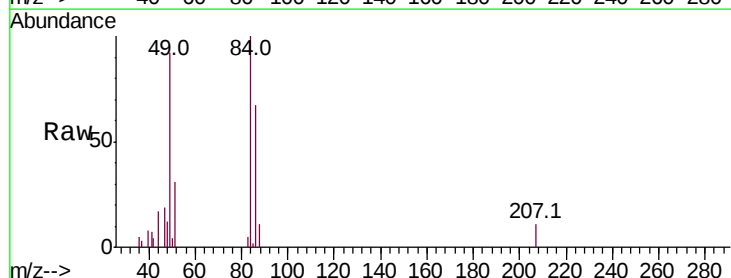
Ion Ratio Lower Upper

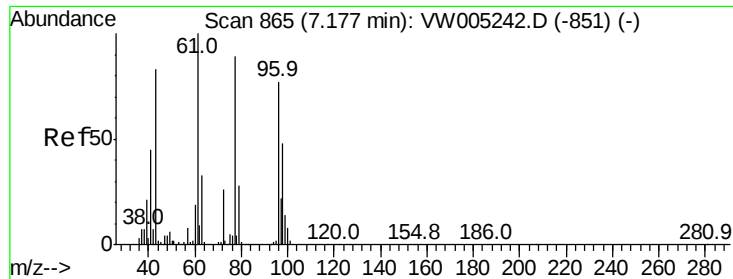
84 100

49 92.0 90.3 135.5

51 31.5 26.9 40.3

86 66.6 50.8 76.2





#25

2-Butanone

Concen: 4.280 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.03 min

Lab File: VW005328.D

Acq: 12 Sep 2018 16:23

Instrument :

MSVOA_W

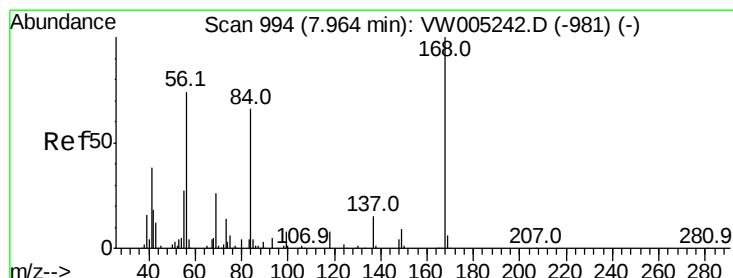
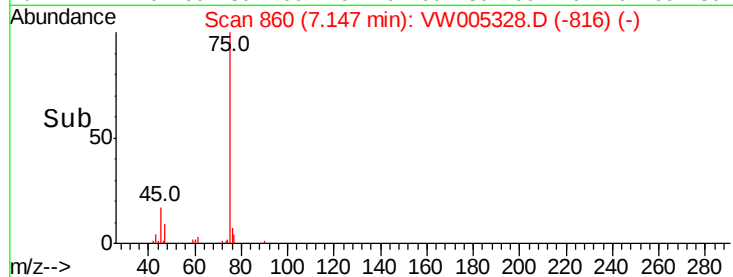
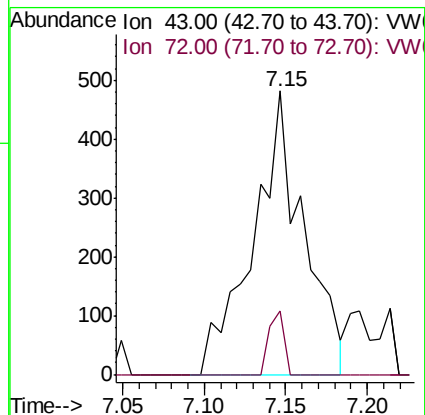
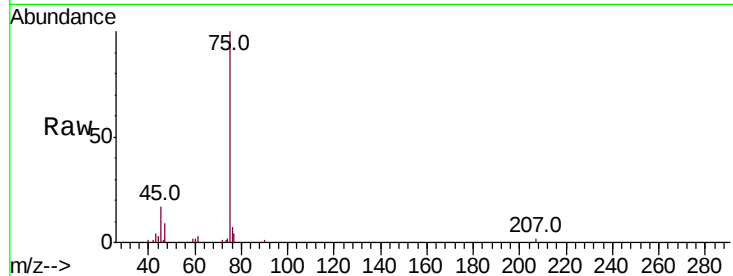
ClientSampled :

Tot Ion: 43 Resp: 1032

Ion Ratio Lower Upper

43 100

72 22.2 25.0 37.6#



#31

Cyclohexane

Concen: 1.134 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW005328.D

Acq: 12 Sep 2018 16:23

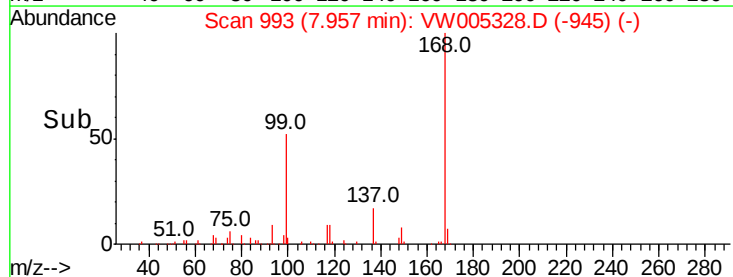
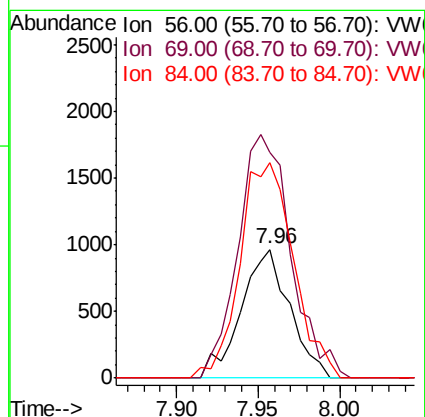
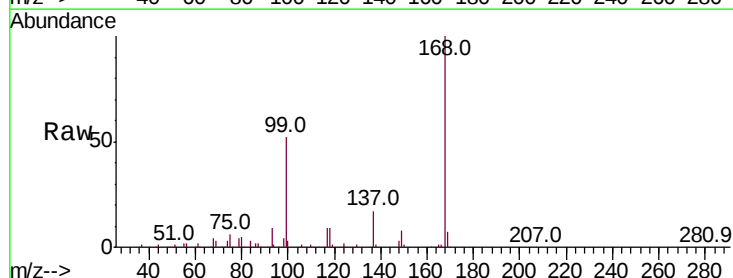
Tgt Ion: 56 Resp: 1999

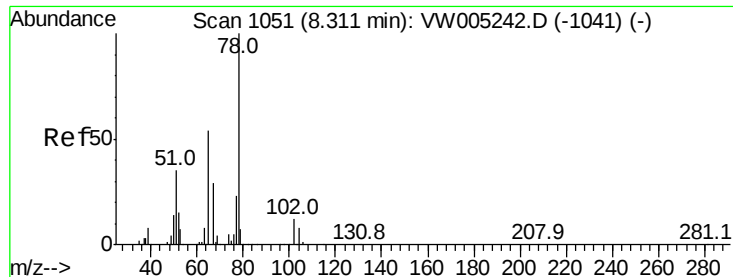
Ion Ratio Lower Upper

56 100

69 175.5 27.8 41.8#

84 167.7 72.1 108.1#

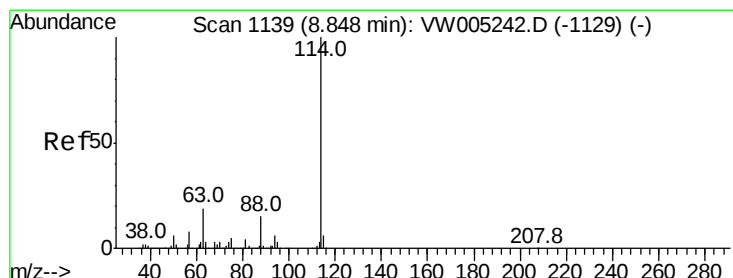
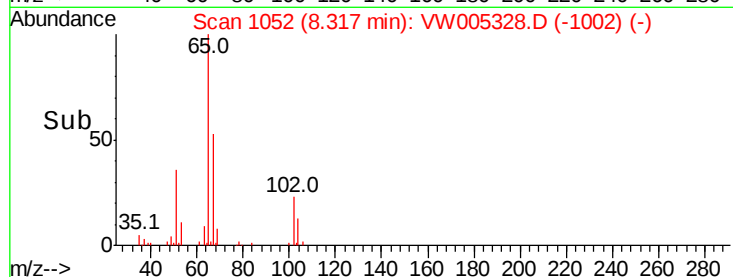
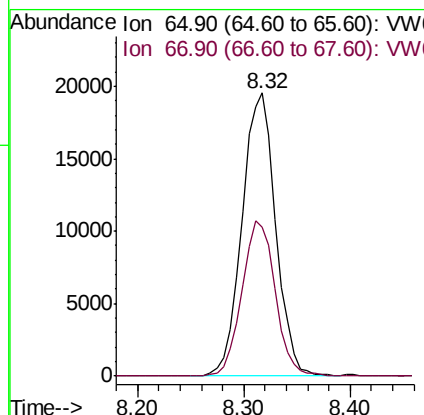
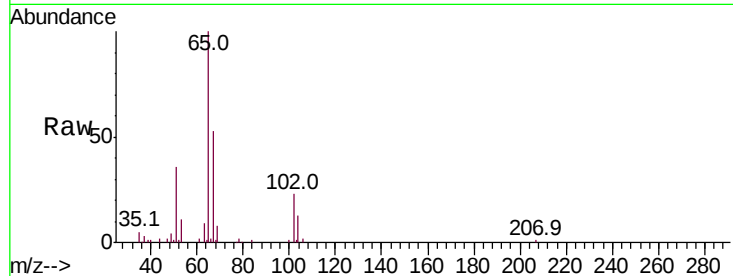




#33
 1,2-Dichloroethane-d4
 Concen: 52.671 ug/l
 RT: 8.32 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VW005328.D
 Acq: 12 Sep 2018 16:23

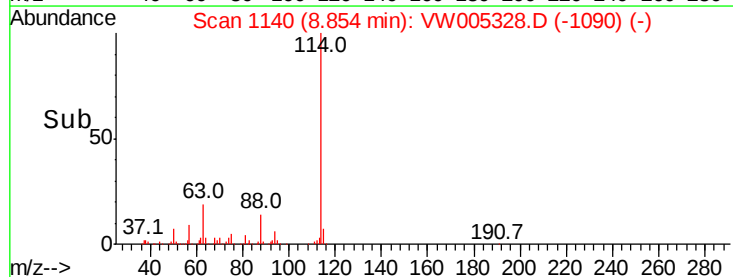
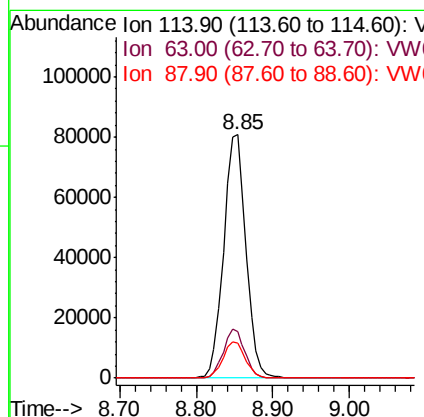
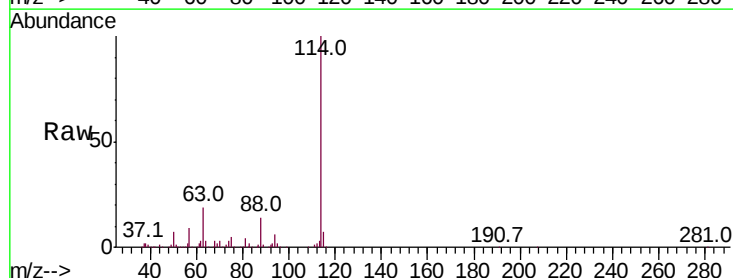
Instrument :
 MSVOA_W
 ClientSampleId :

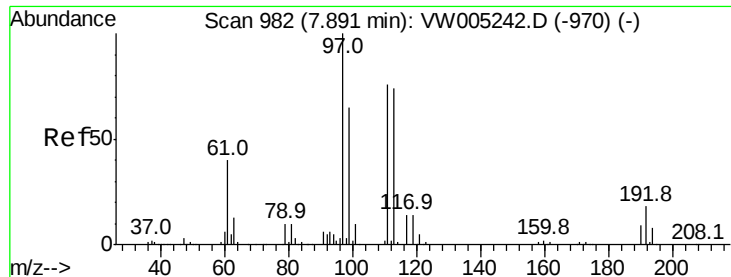
Tot Ion: 65 Resp: 43378
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 112.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: VW005328.D
 Acq: 12 Sep 2018 16:23

Tgt Ion: 114 Resp: 162600
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 37.0
 88 14.2 0.0 30.4





#35

Dibromofluoromethane

Concen: 48.636 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW005328.D

Acq: 12 Sep 2018 16:23

Instrument :

MSVOA_W

ClientSampleId :

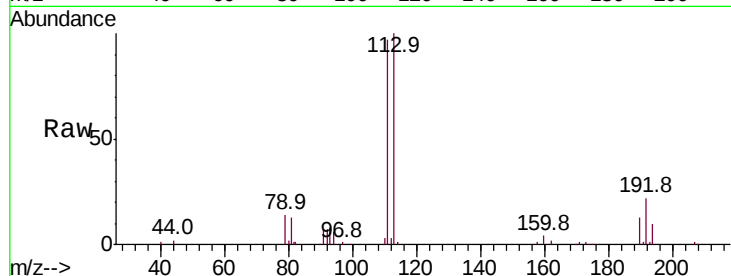
Tot Ion:113 Resp: 41426

Ion Ratio Lower Upper

113 100

111 102.1 80.6 121.0

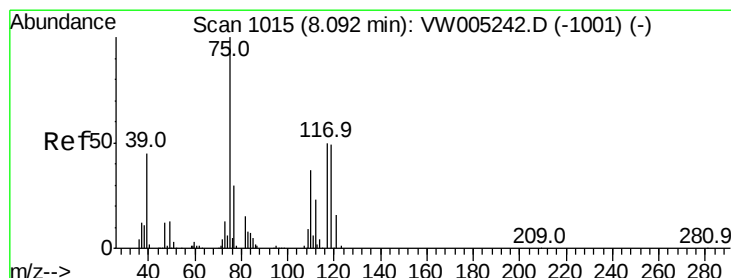
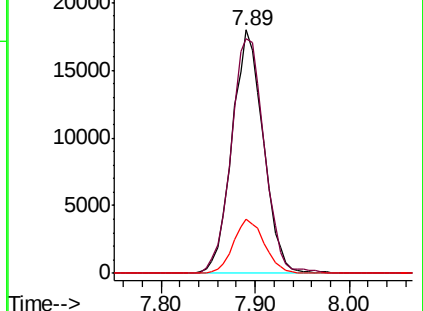
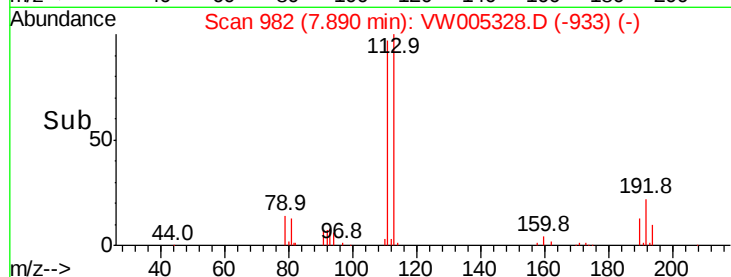
192 21.9 18.3 27.5



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: 5.099 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.14 min

Lab File: VW005328.D

Acq: 12 Sep 2018 16:23

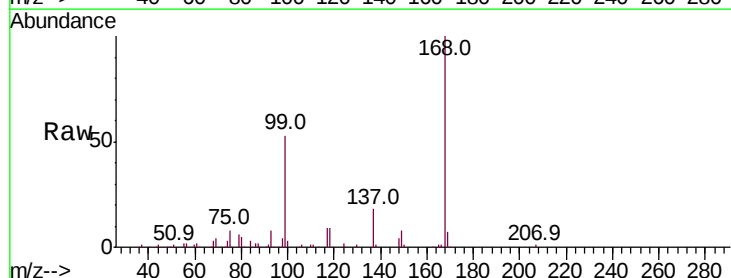
Tgt Ion: 75 Resp: 7596

Ion Ratio Lower Upper

75 100

110 9.3 18.8 56.4#

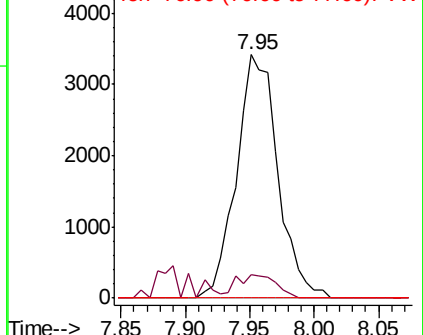
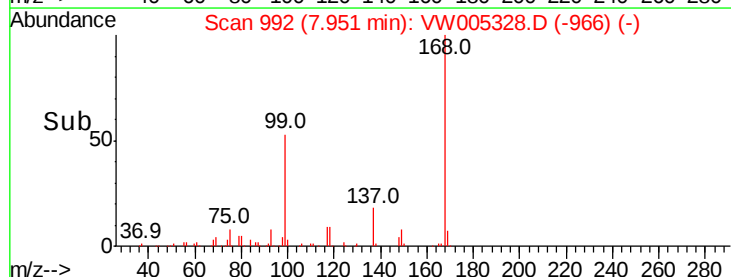
77 0.0 24.9 37.3#

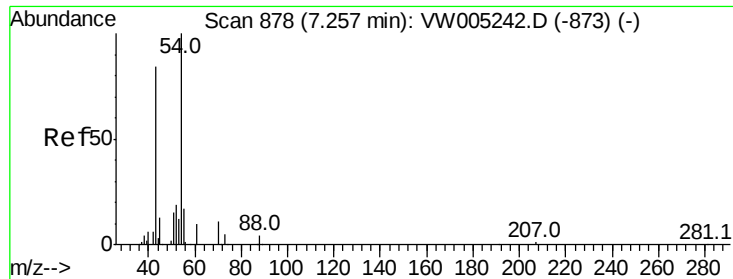


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

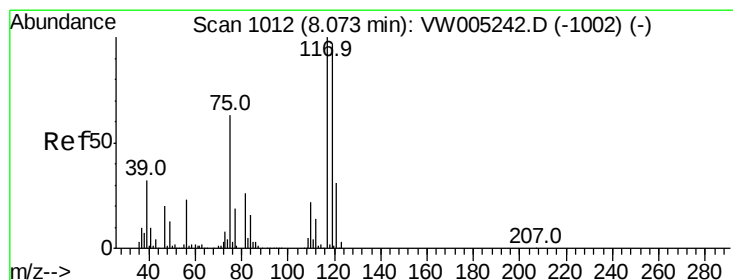
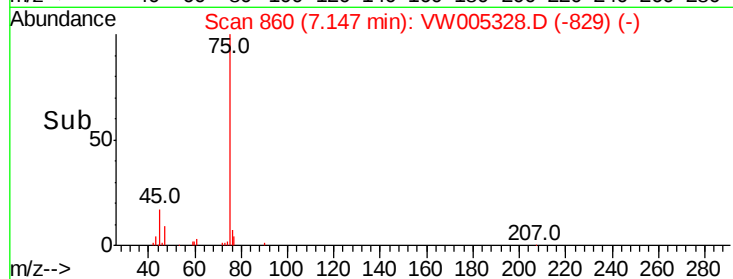
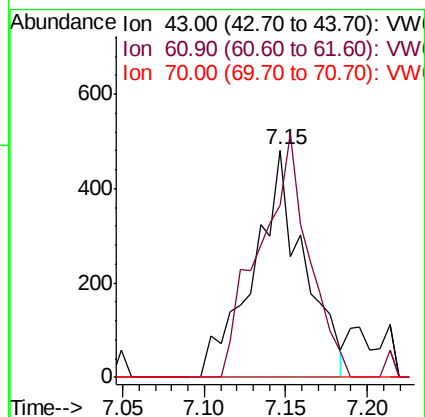
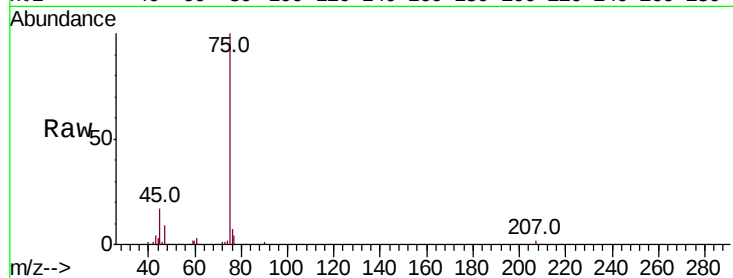




#37
Ethyl Acetate
Concen: 1.821 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.11 min
Lab File: VW005328.D
Acq: 12 Sep 2018 16:23

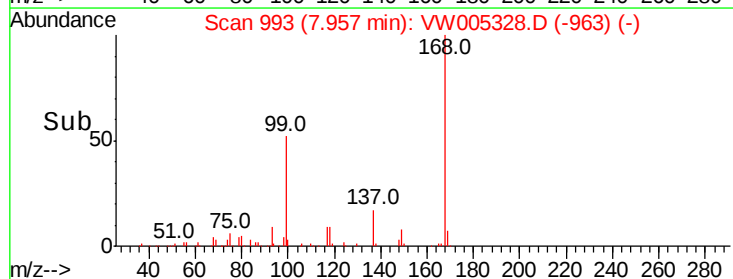
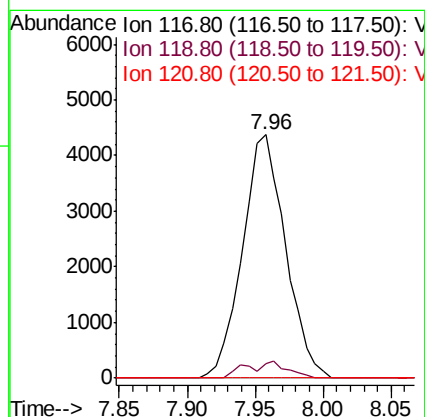
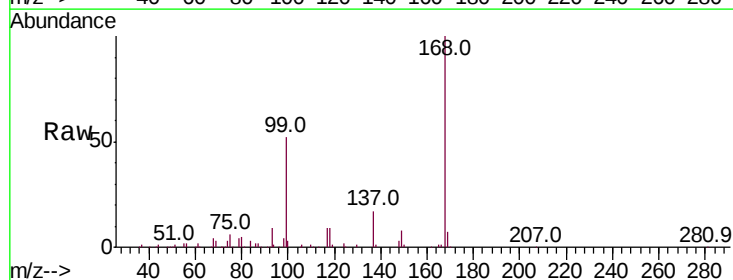
Instrument :
MSVOA_W
ClientSampleId :

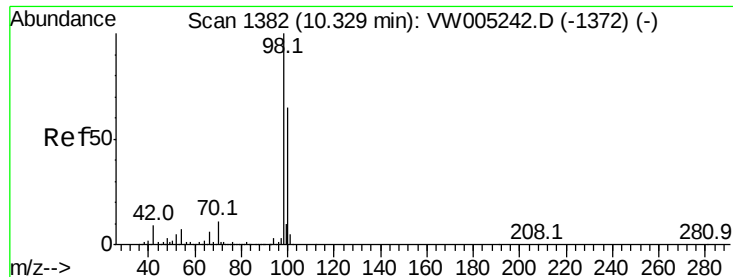
Tot Ion	Ratio	Lower	Upper
43	100		
61	103.4	12.3	18.5#
70	0.0	9.5	14.3#



#38
Carbon Tetrachloride
Concen: 6.935 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.12 min
Lab File: VW005328.D
Acq: 12 Sep 2018 16:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	77.5	116.3#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 34.748 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005328.D

Acq: 12 Sep 2018 16:23

Instrument :

MSVOA_W

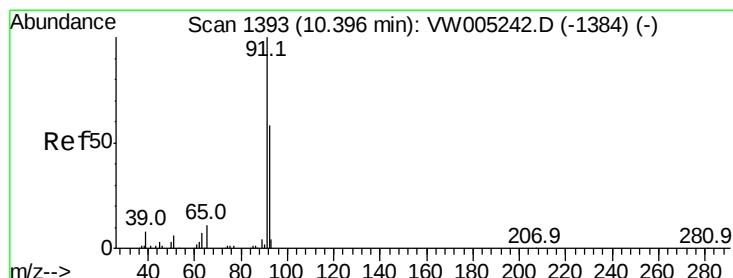
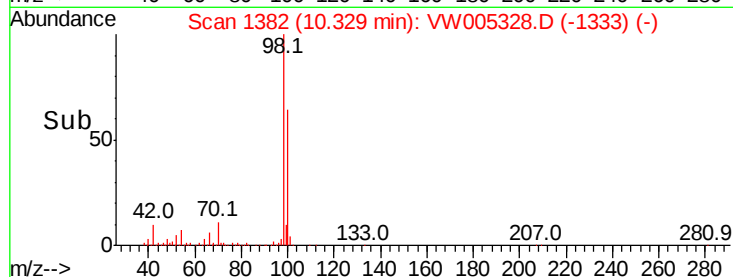
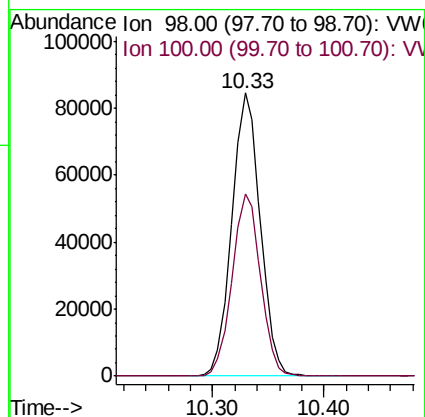
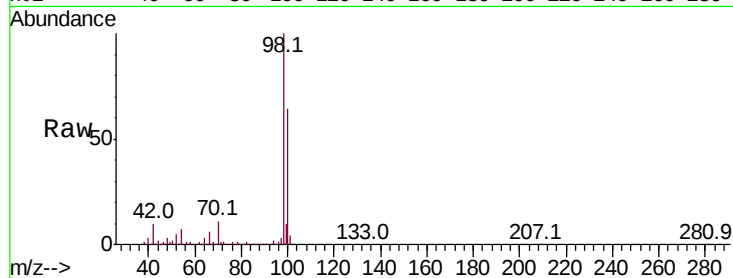
ClientSampleId :

Tot Ion: 98 Resp: 149556

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0



#52

Toluene

Concen: 1.682 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005328.D

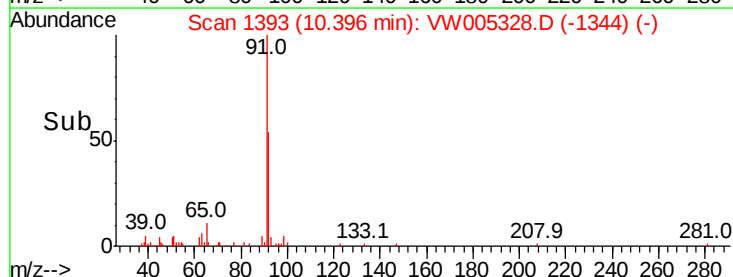
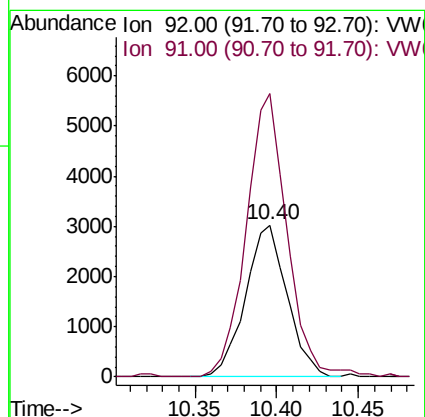
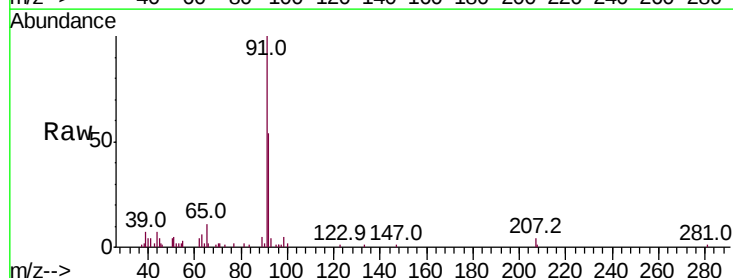
Acq: 12 Sep 2018 16:23

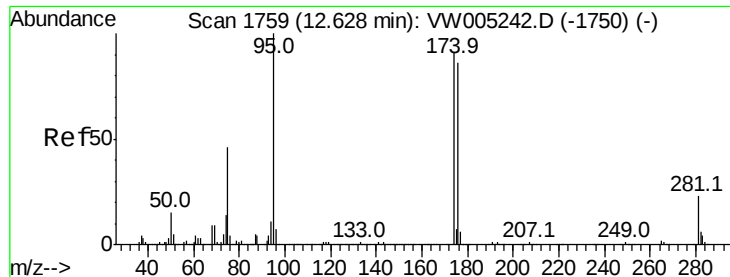
Tgt Ion: 92 Resp: 5365

Ion Ratio Lower Upper

92 100

91 183.4 137.4 206.0

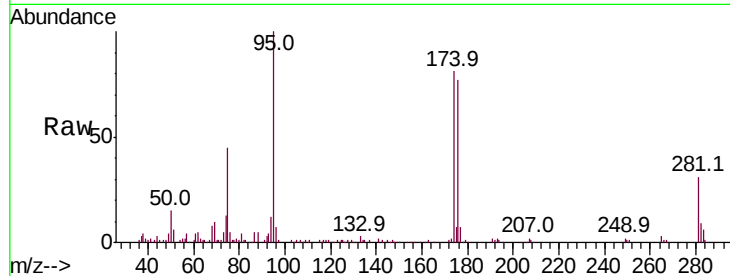




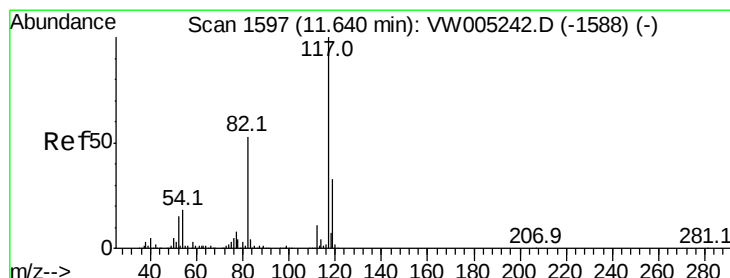
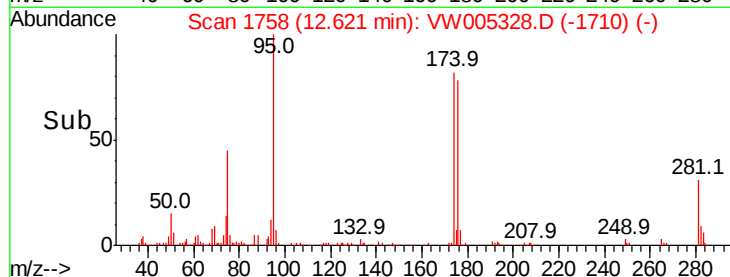
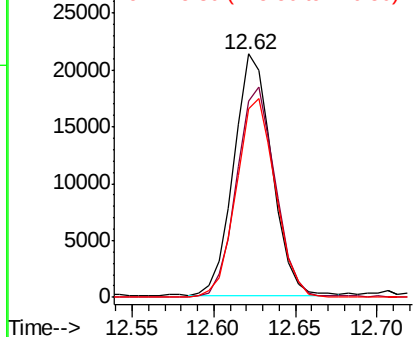
#62
4-Bromofluorobenzene
Concen: 21.922 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.01 min
Lab File: VW005328.D
Acq: 12 Sep 2018 16:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	88.9	0.0	174.6
176	84.5	0.0	167.6

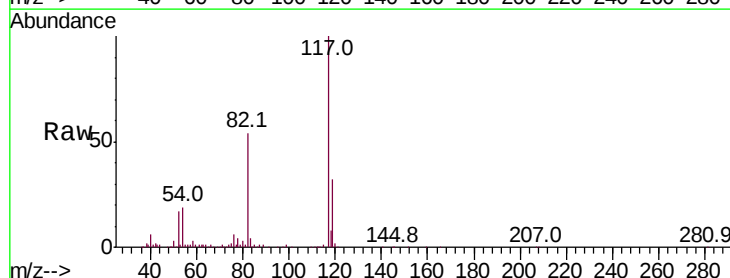


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

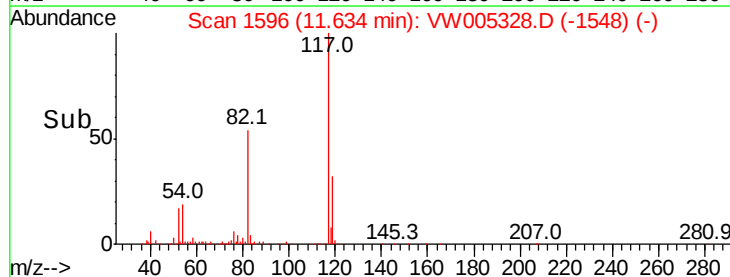
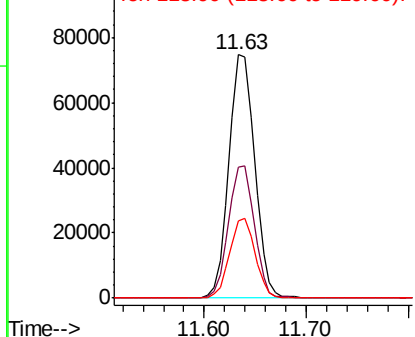


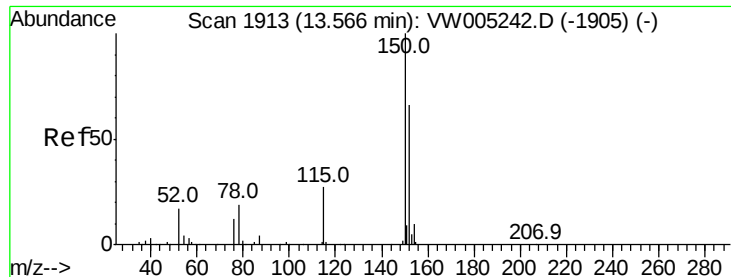
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.01 min
Lab File: VW005328.D
Acq: 12 Sep 2018 16:23

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.0	42.6	63.8
119	31.8	26.2	39.4



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



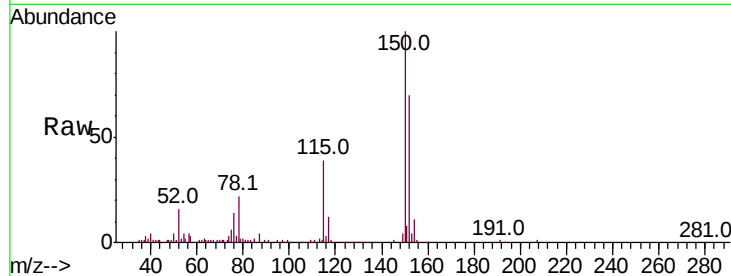


#72

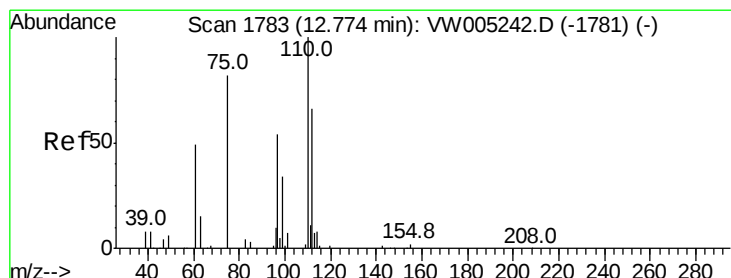
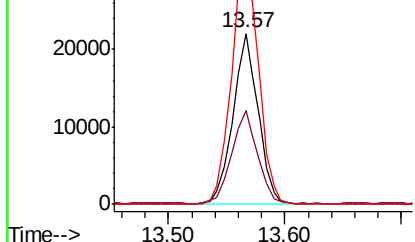
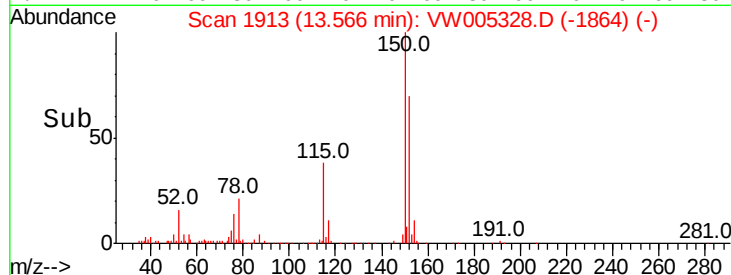
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005328.D
Acq: 12 Sep 2018 16:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 33347
Ion Ratio Lower Upper
152 100
115 55.5 27.5 82.4
150 153.0 0.0 347.4



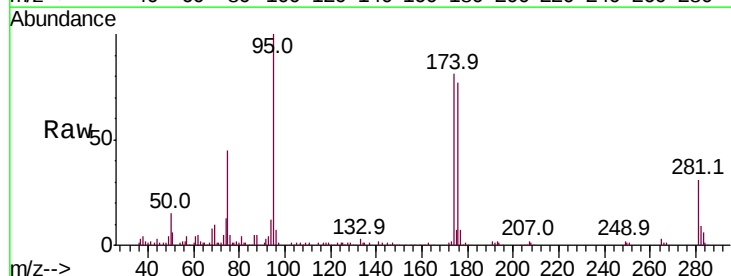
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



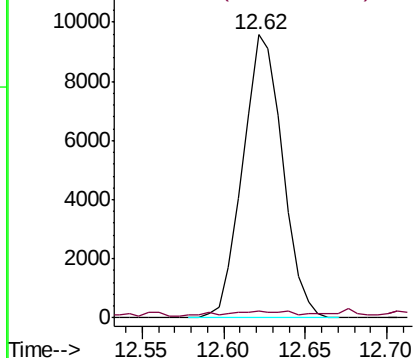
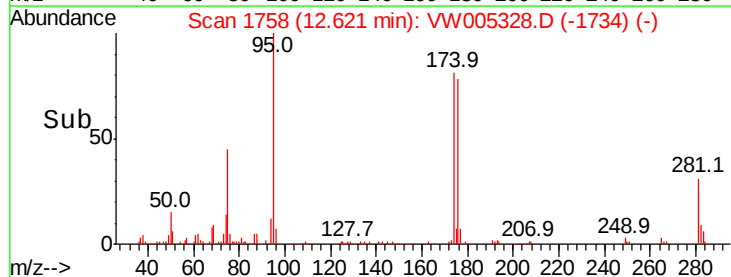
#76

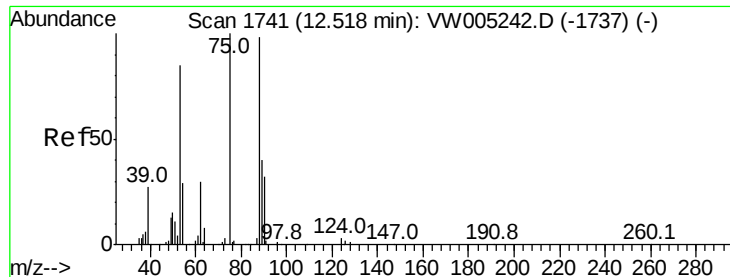
1,2,3-Trichloropropane
Concen: 63.274 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW005328.D
Acq: 12 Sep 2018 16:23

Tgt Ion: 75 Resp: 16229
Ion Ratio Lower Upper
75 100
77 1.8 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: 148.391 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005328.D

Acq: 12 Sep 2018 16:23

Instrument :

MSVOA_W

ClientSampleId :

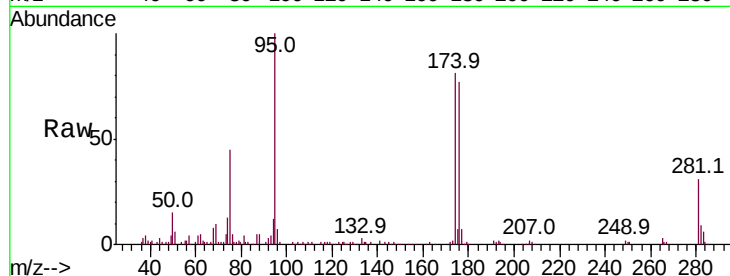
Tot Ion: 75 Resp: 16229

Ion Ratio Lower Upper

75 100

53 1.1 67.0 100.6#

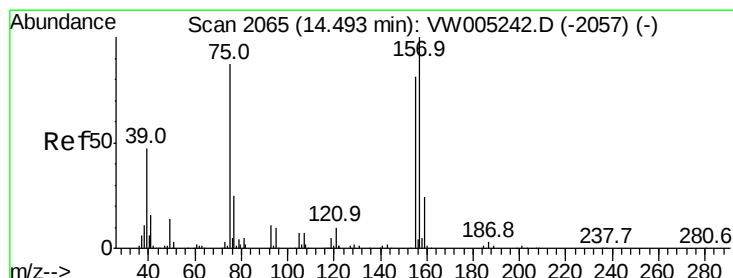
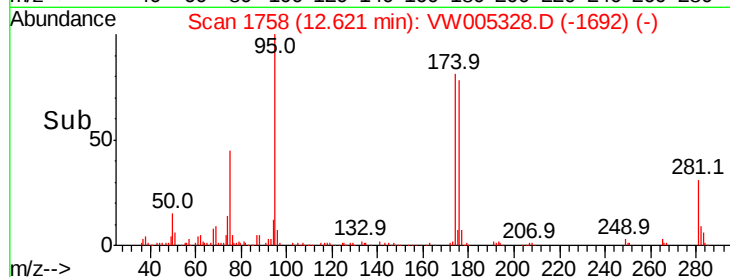
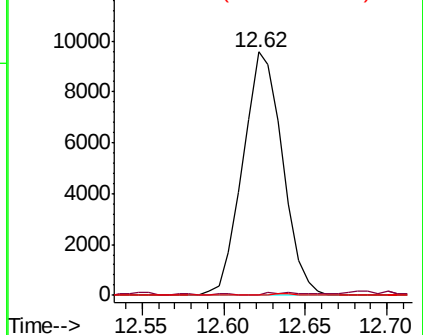
89 0.3 37.0 55.4#



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: 1.002 ug/l

RT: 14.39 min Scan# 2048

Delta R.T. -0.10 min

Lab File: VW005328.D

Acq: 12 Sep 2018 16:23

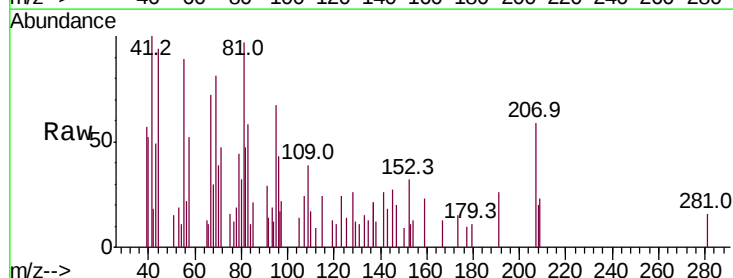
Tgt Ion: 75 Resp: 59

Ion Ratio Lower Upper

75 100

155 0.0 47.4 142.2#

157 78.0 59.4 178.2



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

