

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051018\
 Data File : VW002412.D
 Acq On : 11 May 2018 06:15
 Operator : JC/SY
 Sample : J2772-04
 Misc : 6.29G/5ML/MSVOA W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 11 06:53:03 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 08 03:57:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	17878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	42723	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	32920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	4993	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	28731	151.33	ug/l	0.00
Spiked Amount			Recovery	=	302.66%	
35) Dibromofluoromethane	7.88	113	21662	79.11	ug/l	0.00
Spiked Amount			Recovery	=	158.22%	
50) Toluene-d8	10.33	98	34005	32.56	ug/l	0.00
Spiked Amount			Recovery	=	65.12%	
62) 4-Bromofluorobenzene	12.63	95	7375	19.54	ug/l	0.00
Spiked Amount			Recovery	=	39.08%	

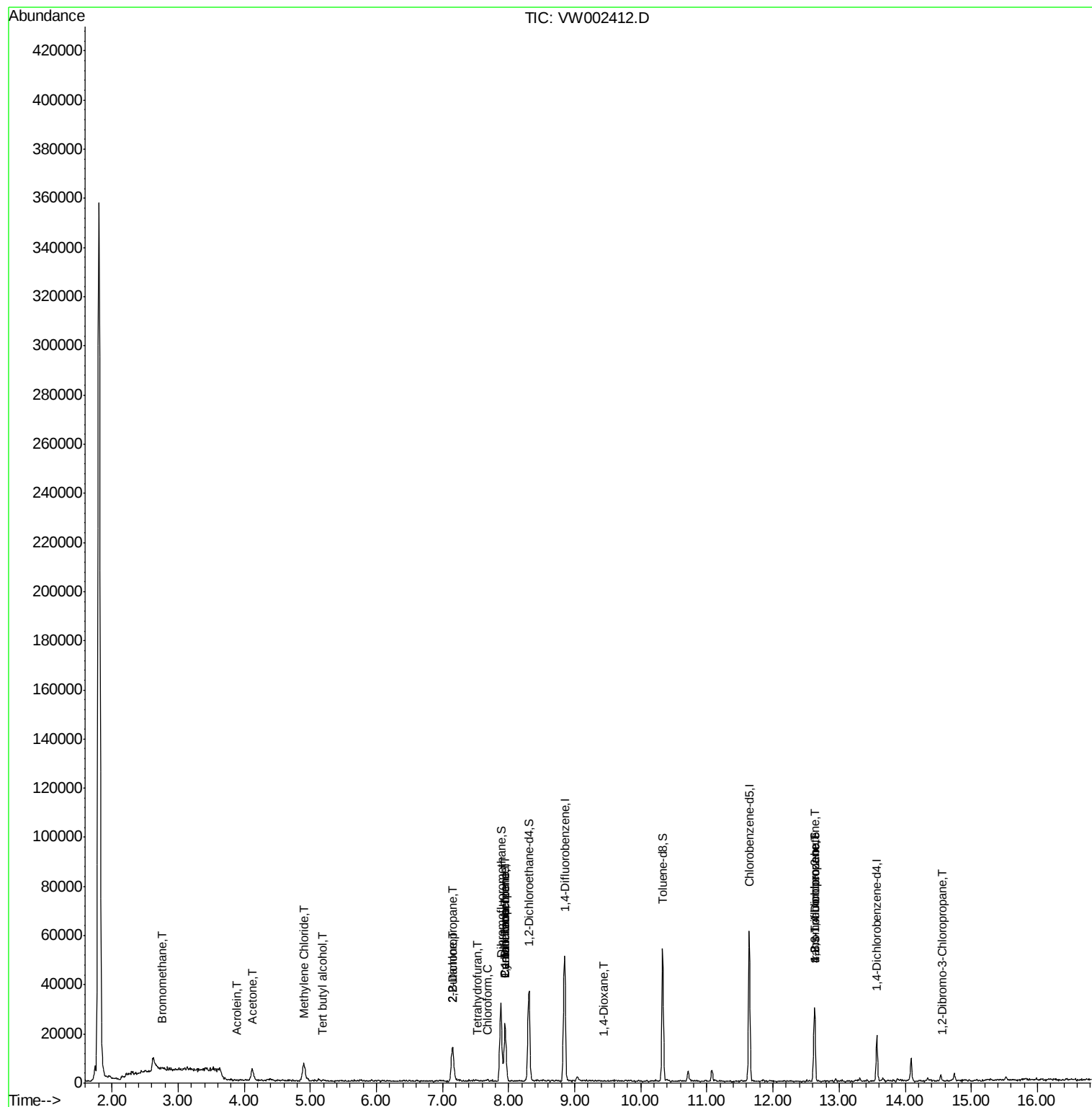
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.76	94	241	1.32	ug/l #	67
11) Tert butyl alcohol	5.18	59	181	13.12	ug/l #	60
13) Acrolein	3.89	56	54	4.67	ug/l #	58
16) Acetone	4.12	43	8718	235.13	ug/l	95
20) Methylene Chloride	4.90	84	5205	29.12	ug/l	86
25) 2-Butanone	7.16	43	840	15.26	ug/l	92
26) 2,2-Dichloropropane	7.15	77	1114	7.07	ug/l #	50
29) Tetrahydrofuran	7.53	42	58	1.61	ug/l #	33
30) Chloroform	7.68	83	388	1.17	ug/l #	68
31) Cyclohexane	7.95	56	466	1.65	ug/l #	6
36) 1,1-Dichloropropene	7.95	75	1406	3.64	ug/l #	46
38) Carbon Tetrachloride	7.95	117	1750	4.68	ug/l #	12
49) 1,4-Dioxane	9.43	88	19	7.56	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	3636	82.12	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	3636	216.32	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.56	75	20	1.85	ug/l #	1

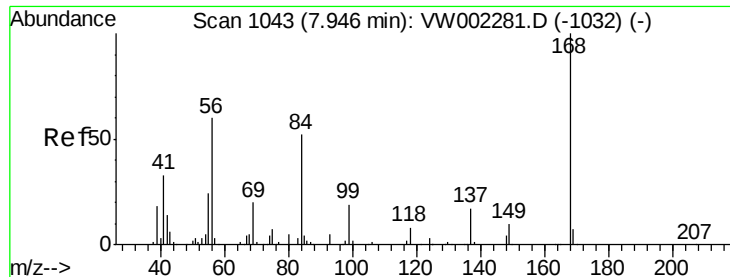
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 08 03:57:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VW002412.D

Acq: 11 May 2018 06:15

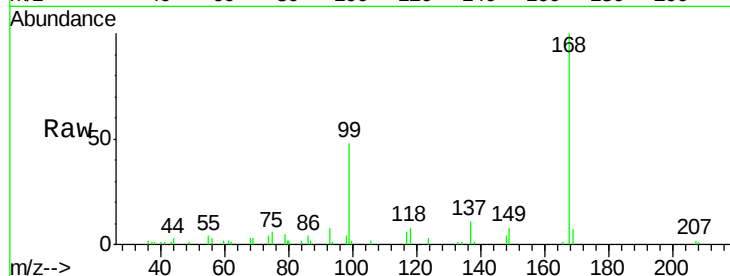
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 17878

Ion Ratio Lower Upper

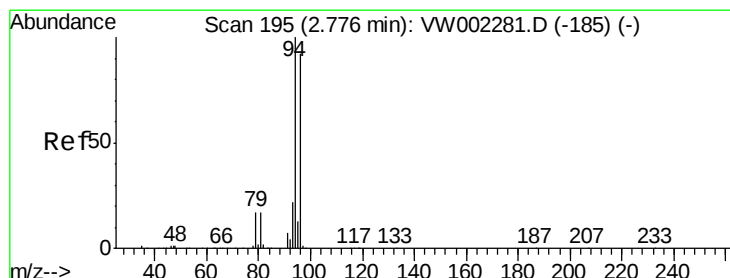
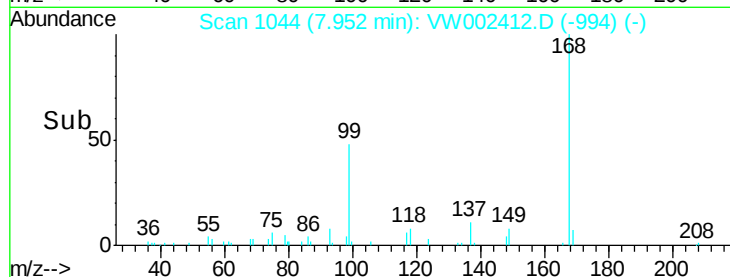
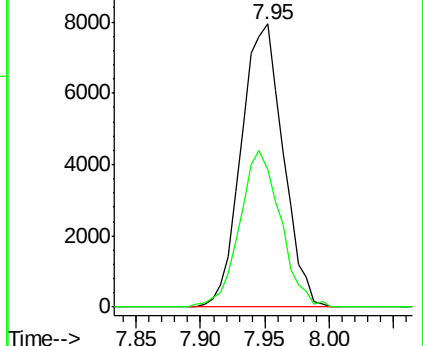
168 100

99 48.4 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#5

Bromomethane

Concen: 1.32 ug/l

RT: 2.76 min Scan# 192

Delta R.T. -0.02 min

Lab File: VW002412.D

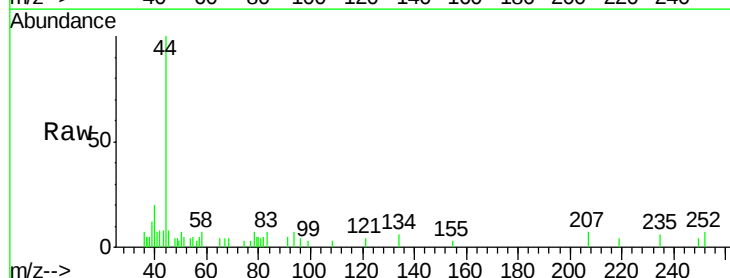
Acq: 11 May 2018 06:15

Tgt Ion: 94 Resp: 241

Ion Ratio Lower Upper

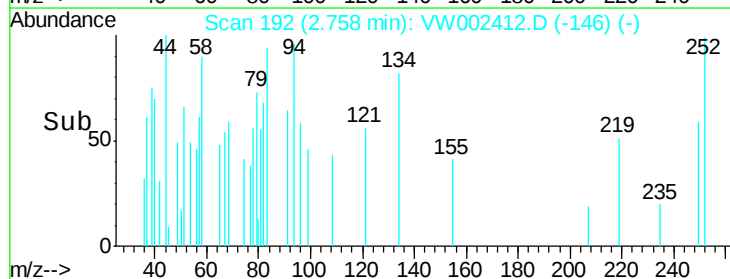
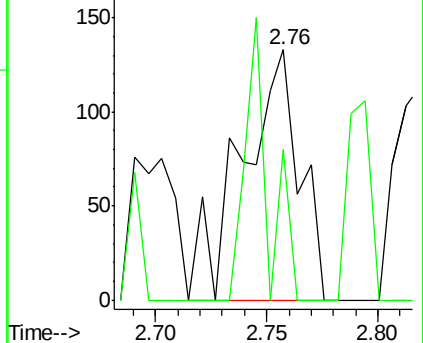
94 100

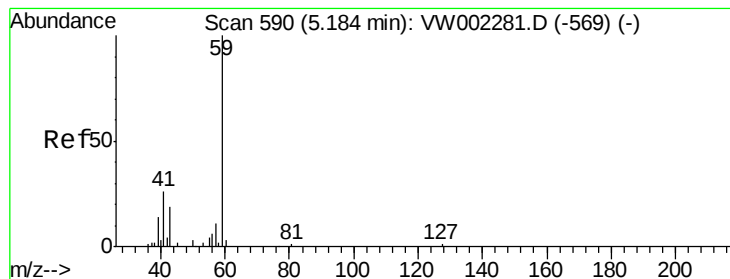
96 60.2 73.6 110.4#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW





#11

Tert butyl alcohol

Concen: 13.12 ug/l

RT: 5.18 min Scan# 589

Delta R.T. -0.01 min

Lab File: VW002412.D

Acq: 11 May 2018 06:15

Instrument :

MSVOA_W

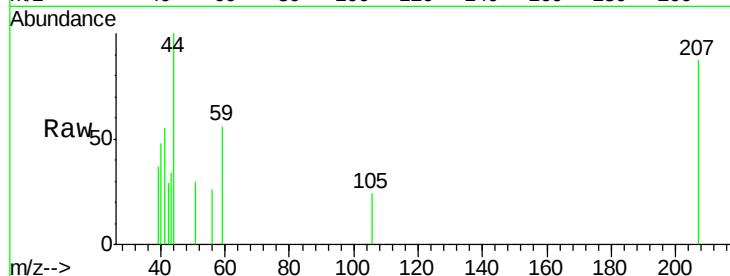
ClientSampled :

Tot Ion: 59 Resp: 181

Ion Ratio Lower Upper

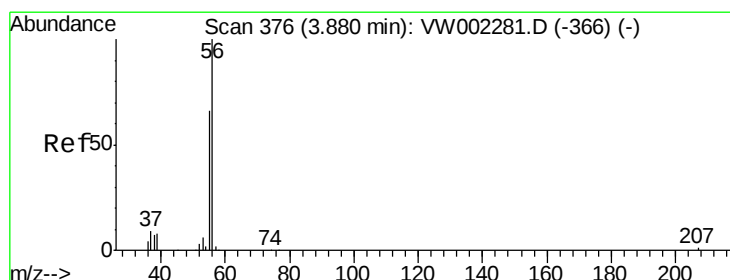
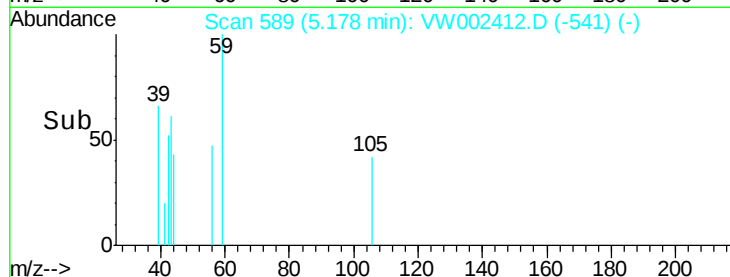
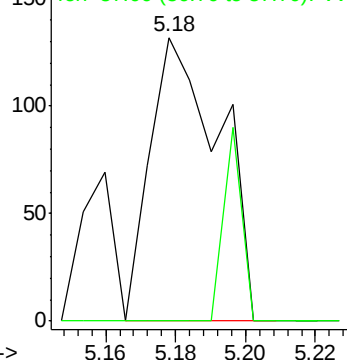
59 100

57 18.2 3.9 5.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#13

Acrolein

Concen: 4.67 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.01 min

Lab File: VW002412.D

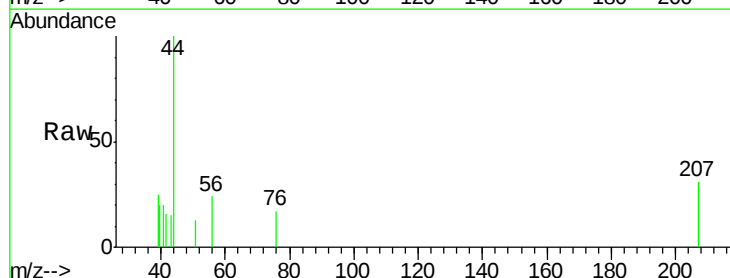
Acq: 11 May 2018 06:15

Tgt Ion: 56 Resp: 54

Ion Ratio Lower Upper

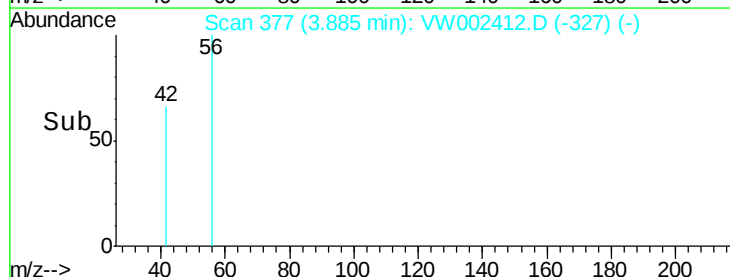
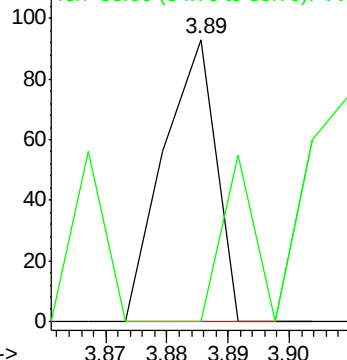
56 100

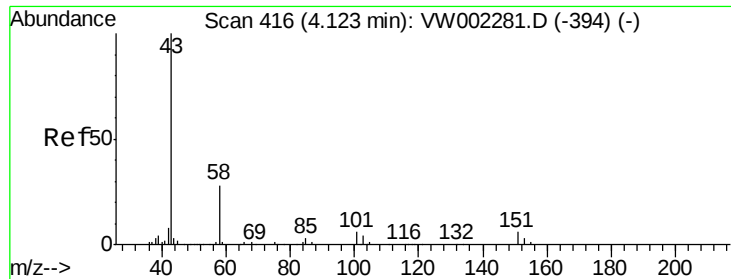
55 37.0 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

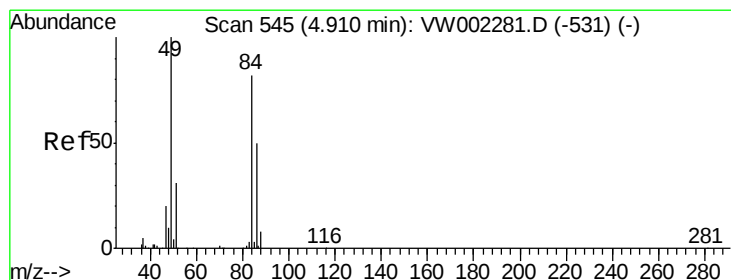
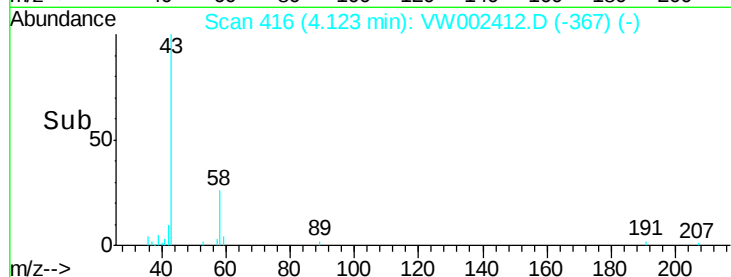
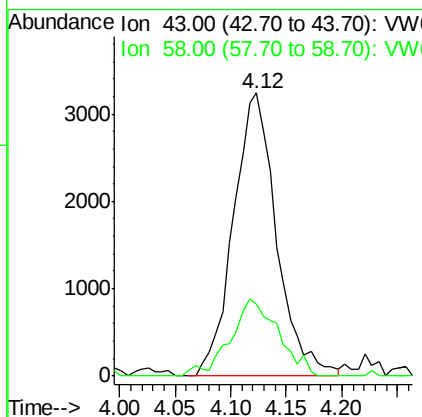
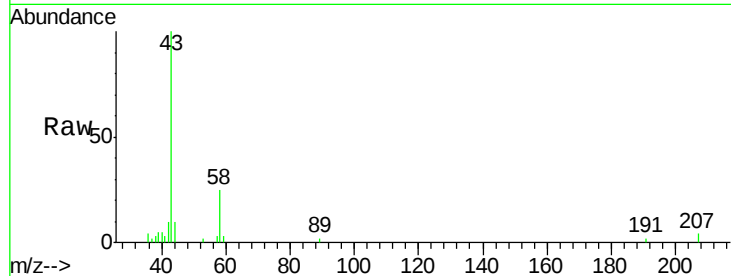




#16
Acetone
Concen: 235.13 ug/l
RT: 4.12 min Scan# 416
Delta R.T. -0.00 min
Lab File: VW002412.D
Acq: 11 May 2018 06:15

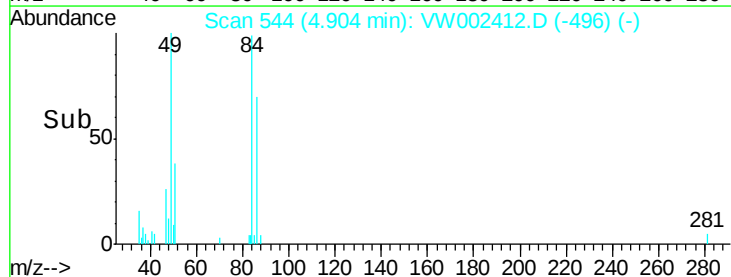
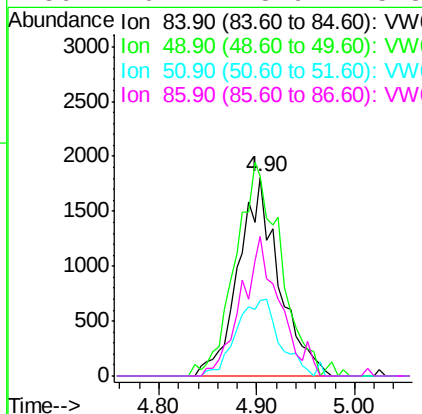
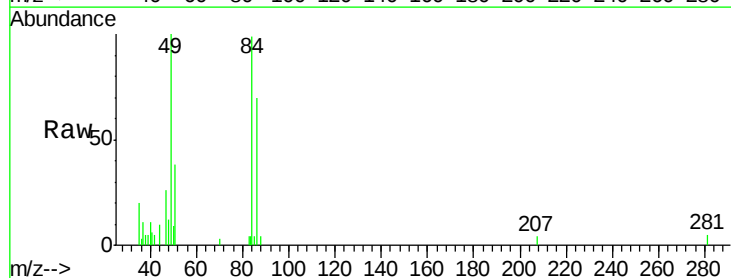
Instrument :
MSVOA_W
ClientSampleId :

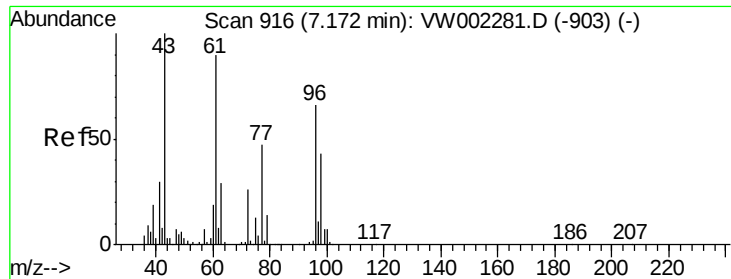
Tot Ion: 43 Resp: 8718
Ion Ratio Lower Upper
43 100
58 25.4 22.2 33.4



#20
Methylene Chloride
Concen: 29.12 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW002412.D
Acq: 11 May 2018 06:15

Tgt Ion: 84 Resp: 5205
Ion Ratio Lower Upper
84 100
49 100.6 97.7 146.5
51 37.9 30.2 45.4
86 70.1 48.9 73.3





#25

2-Butanone

Concen: 15.26 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW002412.D

Acq: 11 May 2018 06:15

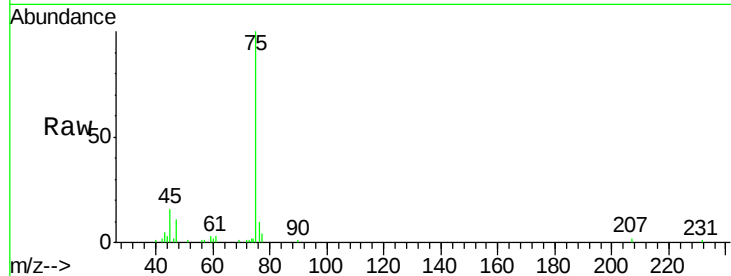
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 840

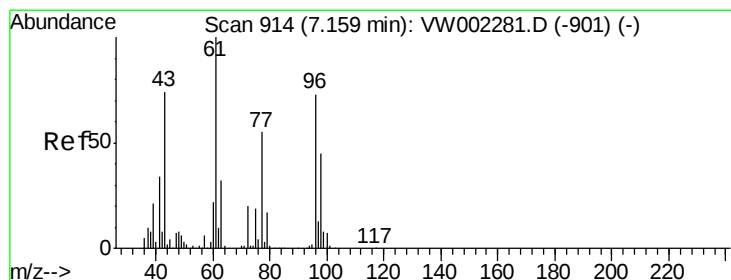
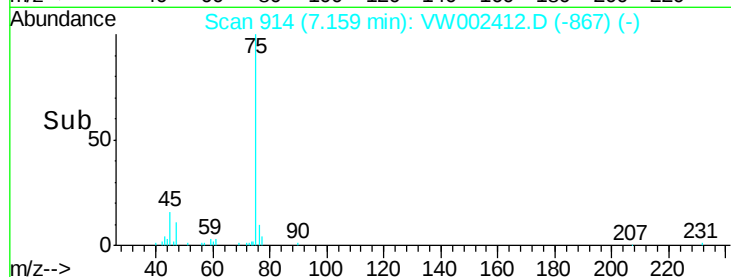
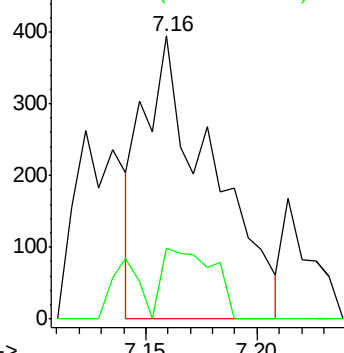
Ion Ratio Lower Upper

43 100

72 29.7 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 7.07 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.01 min

Lab File: VW002412.D

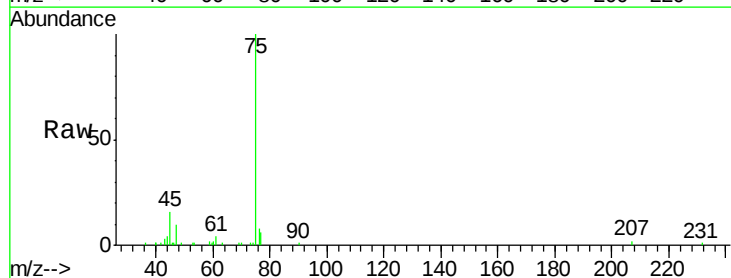
Acq: 11 May 2018 06:15

Tgt Ion: 77 Resp: 1114

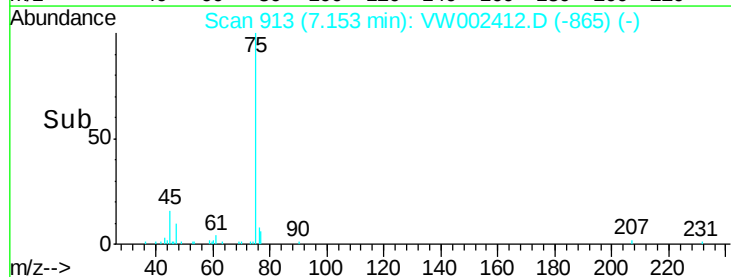
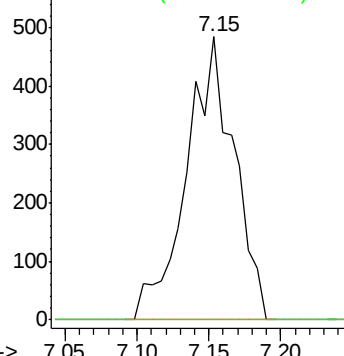
Ion Ratio Lower Upper

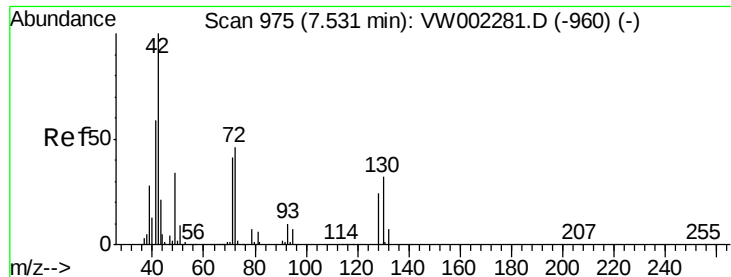
77 100

97 0.0 12.7 38.0#



Abundance Ion 76.90 (76.60 to 77.60): VW
Ion 96.90 (96.60 to 97.60): VW

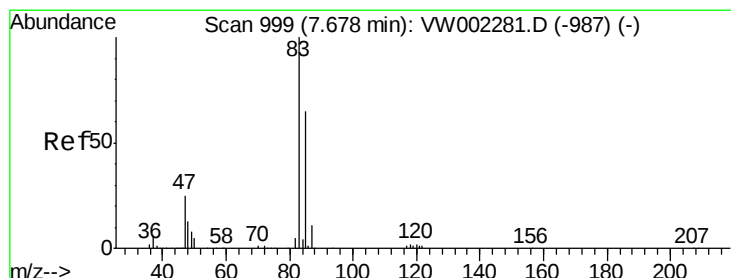
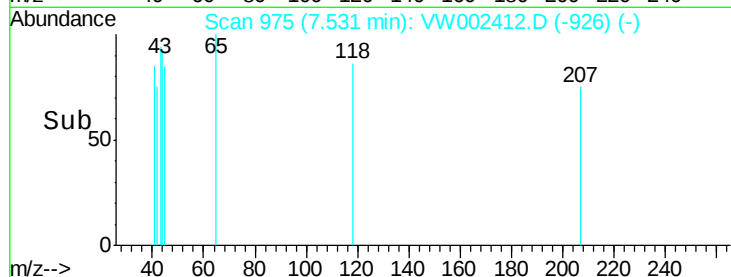
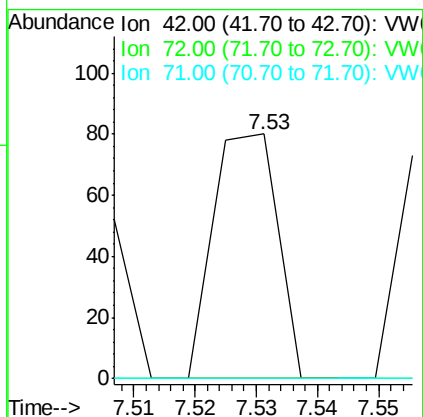
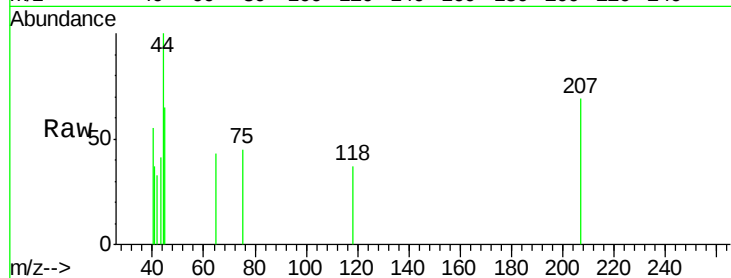




#29
Tetrahydrofuran
Concen: 1.61 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.00 min
Lab File: VW002412.D
Acq: 11 May 2018 06:15

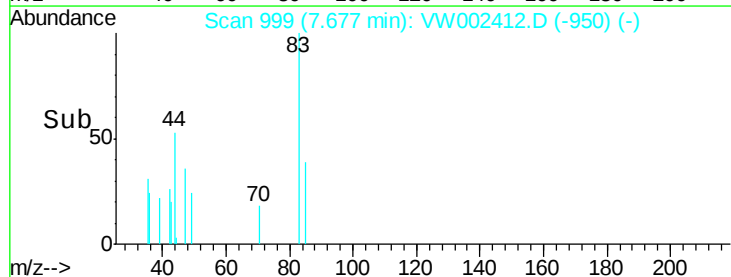
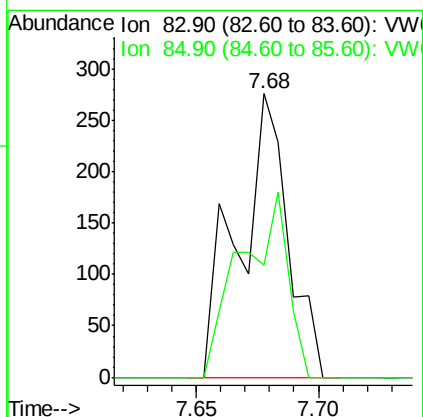
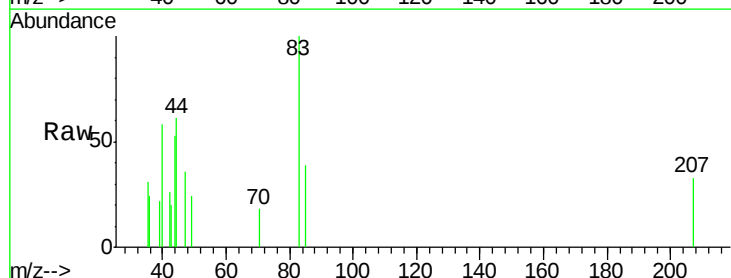
Instrument :
MSVOA_W
ClientSampled :

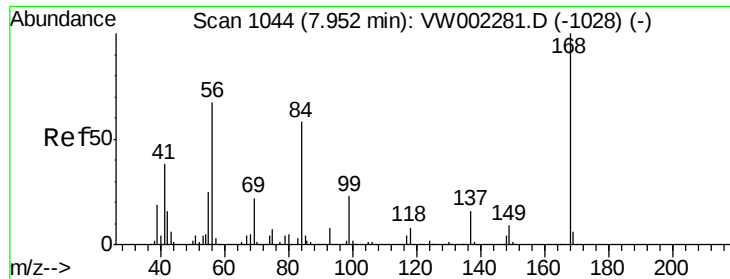
Tot Ion: 42 Resp: 58
Ion Ratio Lower Upper
42 100
72 0.0 34.5 51.7#
71 0.0 33.0 49.6#



#30
Chloroform
Concen: 1.17 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW002412.D
Acq: 11 May 2018 06:15

Tgt Ion: 83 Resp: 388
Ion Ratio Lower Upper
83 100
85 39.5 51.8 77.6#

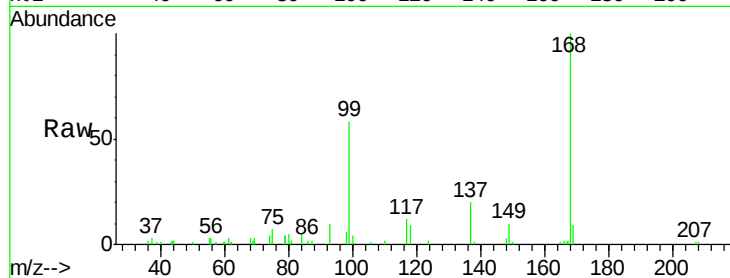




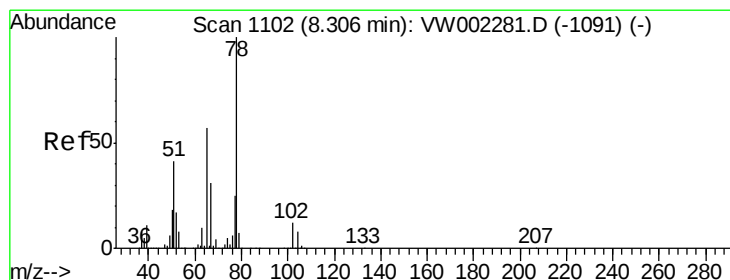
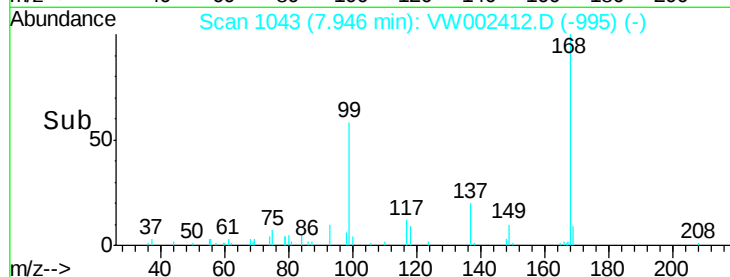
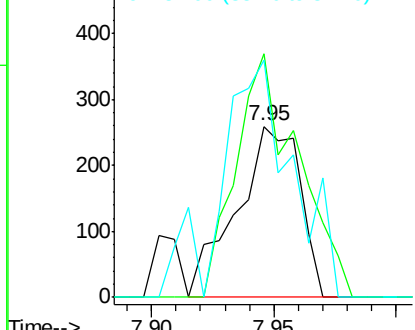
#31
Cyclohexane
Concen: 1.65 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW002412.D
Acq: 11 May 2018 06:15

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 466
Ion Ratio Lower Upper
56 100
69 142.5 26.2 39.4#
84 138.6 69.2 103.8#

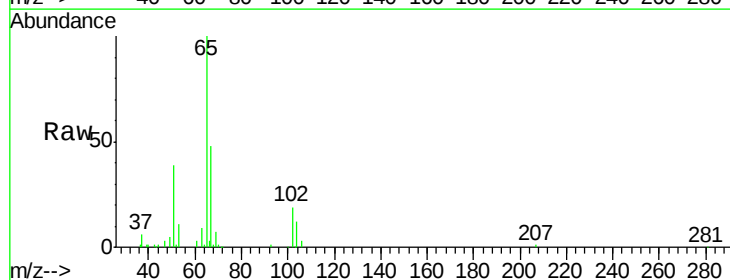


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

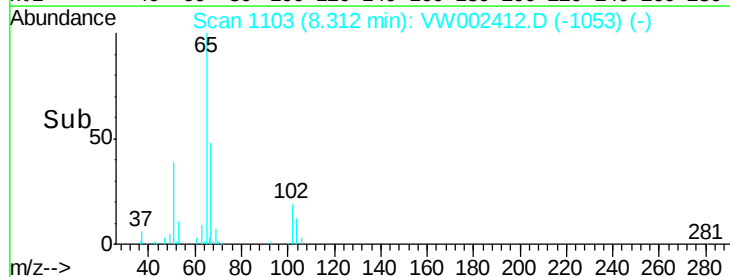
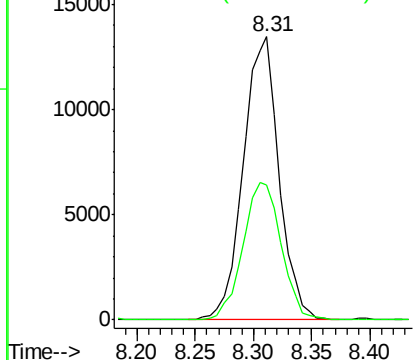


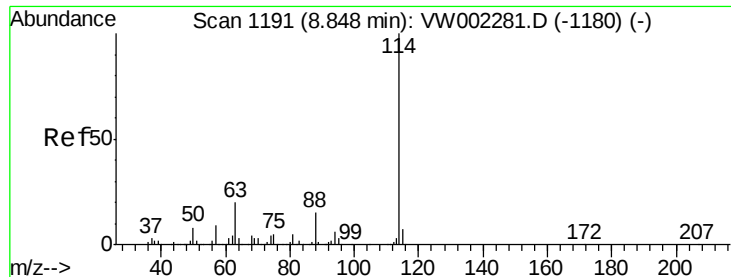
#33
1,2-Dichloroethane-d4
Concen: 151.33 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW002412.D
Acq: 11 May 2018 06:15

Tgt Ion: 65 Resp: 28731
Ion Ratio Lower Upper
65 100
67 52.0 0.0 107.2



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

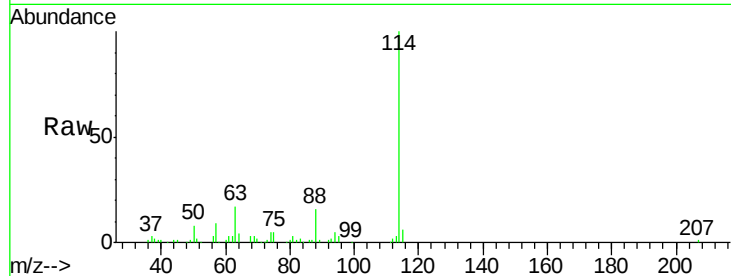




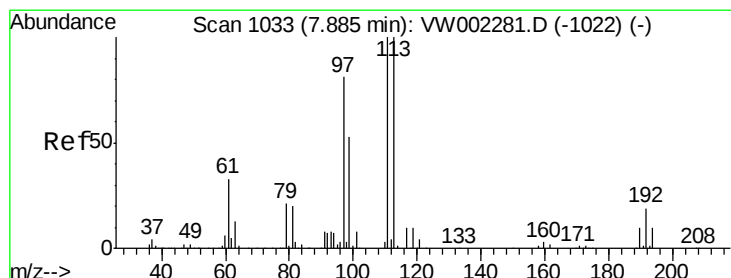
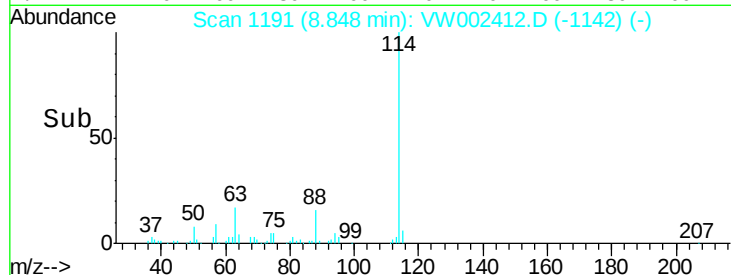
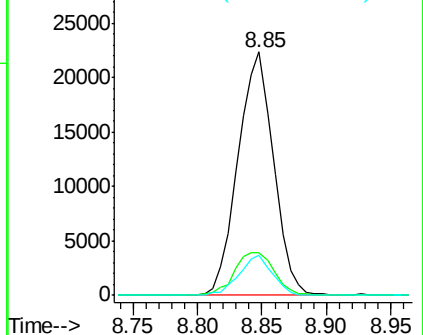
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW002412.D
 Acq: 11 May 2018 06:15

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 42723
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 39.0
 88 16.4 0.0 29.6

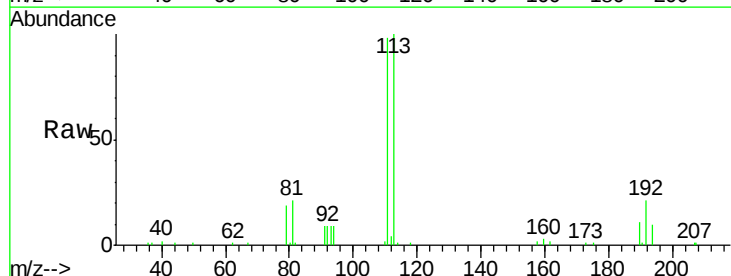


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

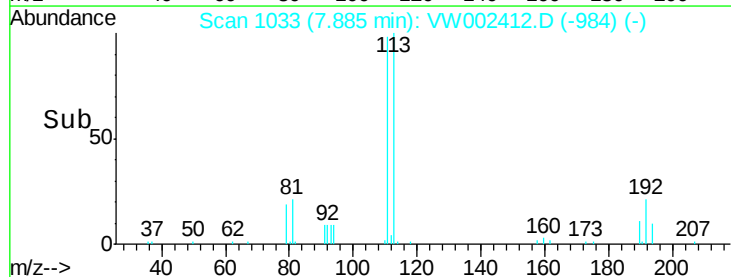
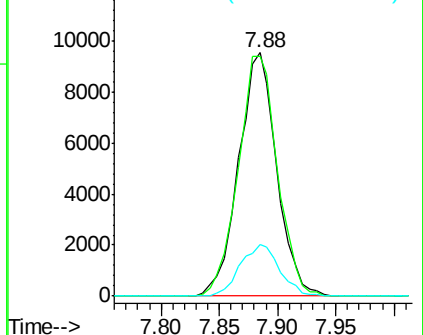


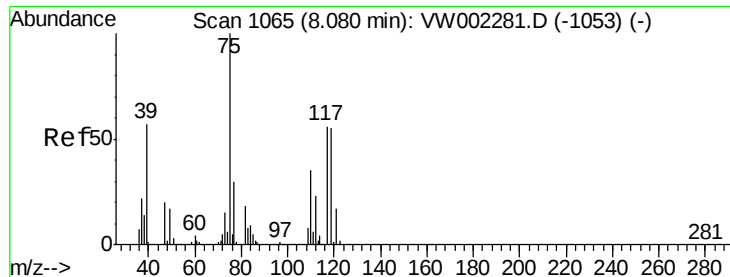
#35
 Dibromofluoromethane
 Concen: 79.11 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002412.D
 Acq: 11 May 2018 06:15

Tgt Ion:113 Resp: 21662
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.5 122.3
 192 21.7 16.4 24.6



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: 3.64 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW002412.D

Acq: 11 May 2018 06:15

Instrument :

MSVOA_W

ClientSampleId :

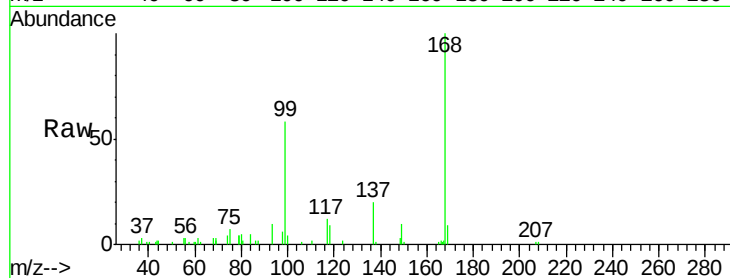
Tot Ion: 75 Resp: 1406

Ion Ratio Lower Upper

75 100

110 5.4 18.1 54.1#

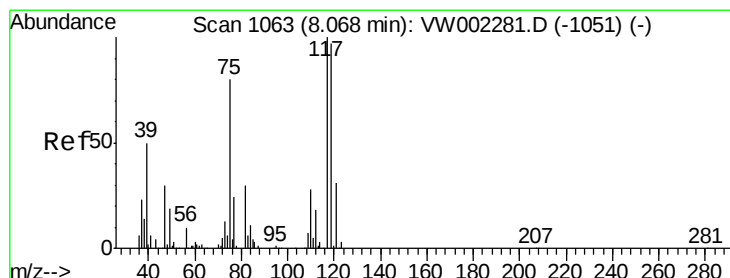
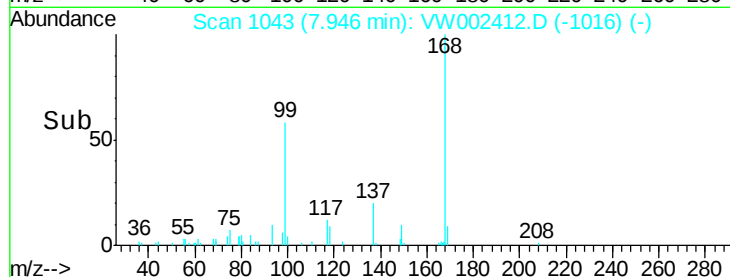
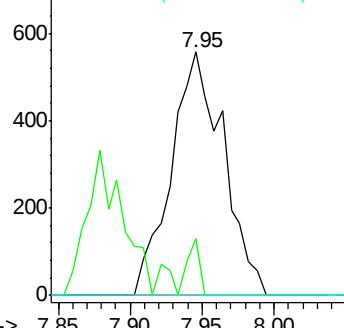
77 0.0 24.5 36.7#



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



#38

Carbon Tetrachloride

Concen: 4.68 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW002412.D

Acq: 11 May 2018 06:15

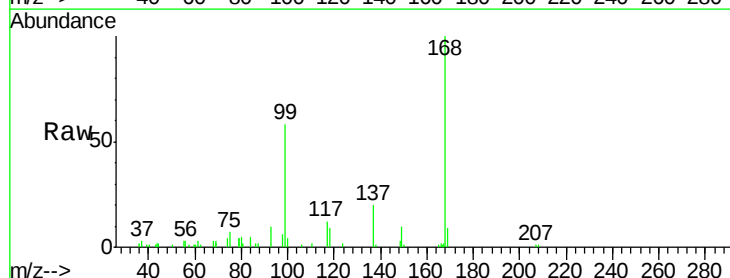
Tgt Ion: 117 Resp: 1750

Ion Ratio Lower Upper

117 100

119 0.0 77.5 116.3#

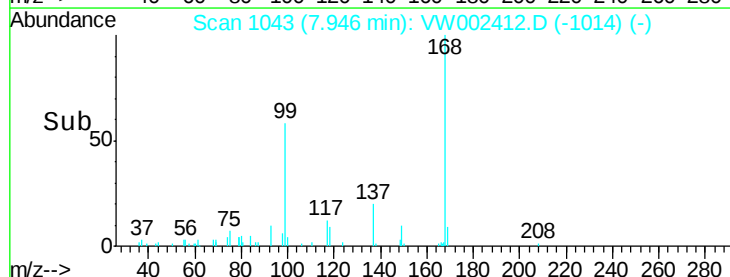
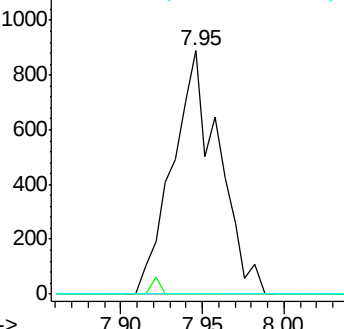
121 0.0 24.4 36.6#

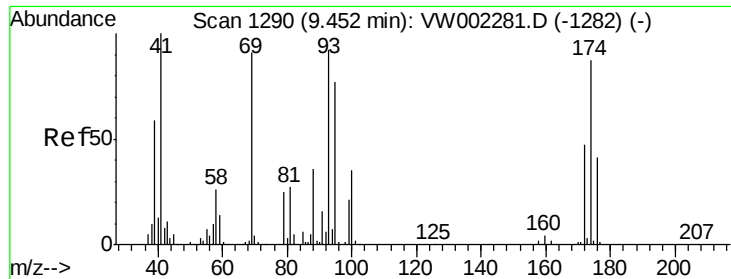


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

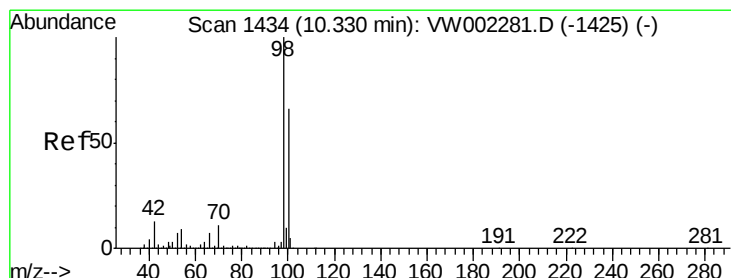
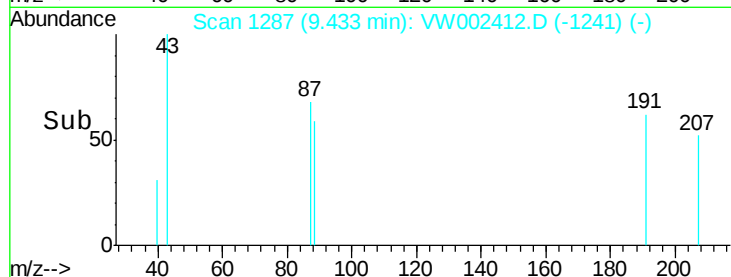
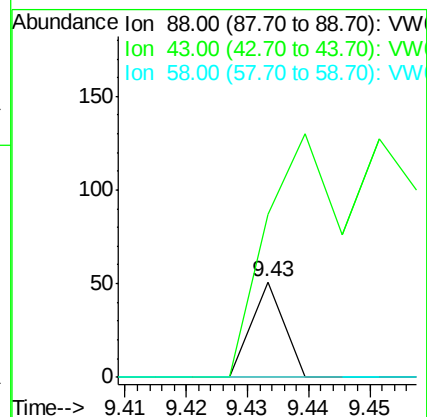
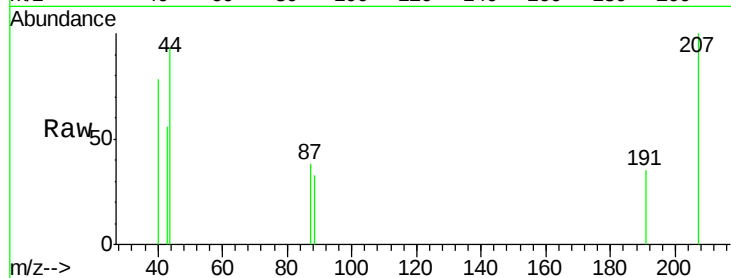




#49
1,4-Dioxane
Concen: 7.56 ug/l
RT: 9.43 min Scan# 1287
Delta R.T. -0.02 min
Lab File: VW002412.D
Acq: 11 May 2018 06:15

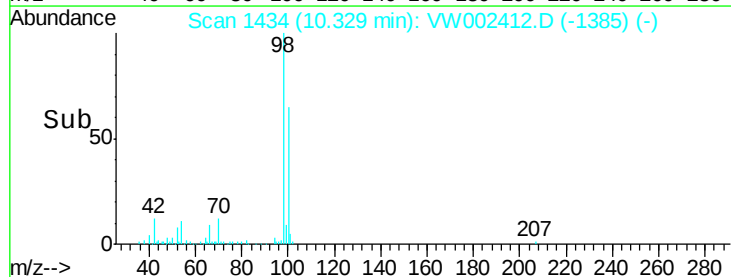
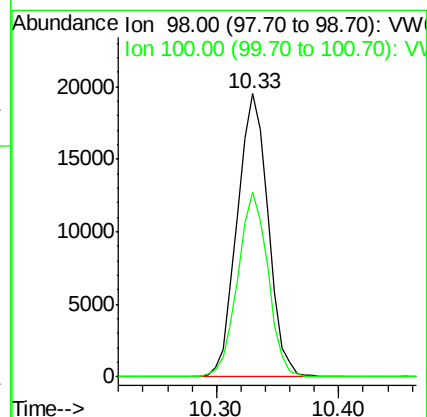
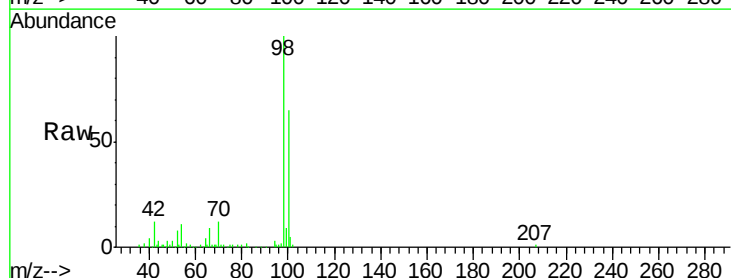
Instrument :
MSVOA_W
ClientSampled :

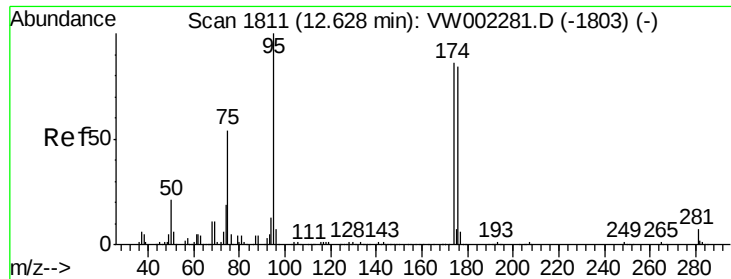
Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 563.2 26.3 39.5#
58 0.0 56.0 84.0#



#50
Toluene-d8
Concen: 32.56 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW002412.D
Acq: 11 May 2018 06:15

Tgt Ion: 98 Resp: 34005
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.2





#62

4-Bromofluorobenzene

Concen: 19.54 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002412.D

Acq: 11 May 2018 06:15

Instrument :

MSVOA_W

ClientSampleId :

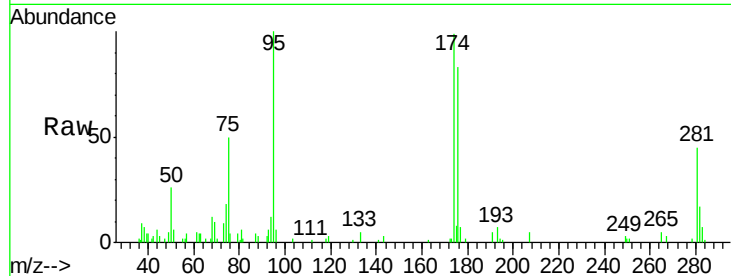
Tot Ion: 95 Resp: 7375

Ion Ratio Lower Upper

95 100

174 87.1 0.0 176.8

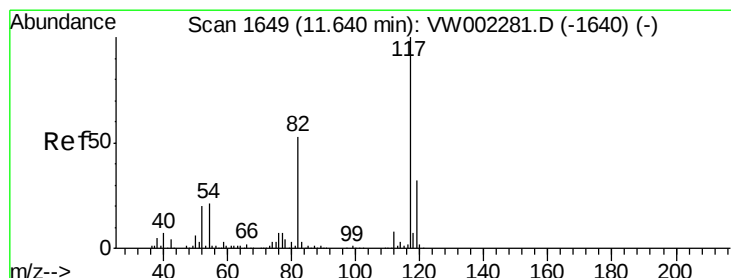
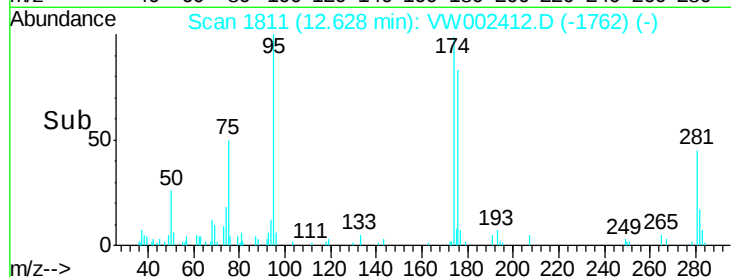
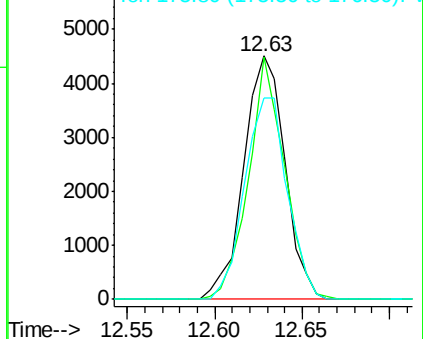
176 86.5 0.0 170.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VW002412.D

Acq: 11 May 2018 06:15

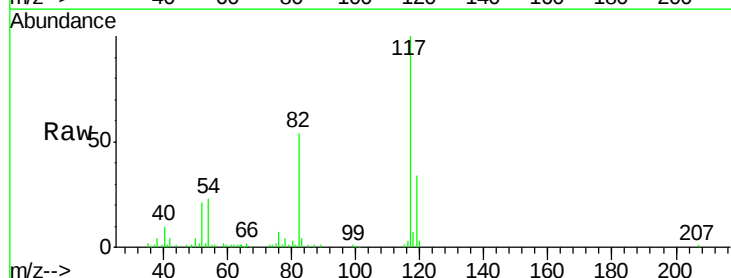
Tgt Ion: 117 Resp: 32920

Ion Ratio Lower Upper

117 100

82 54.5 42.6 63.8

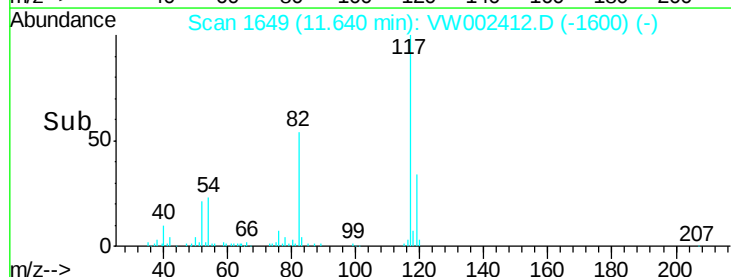
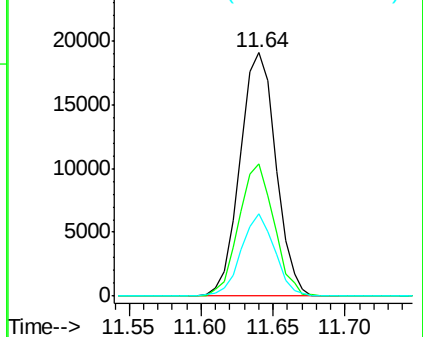
119 33.9 25.2 37.8

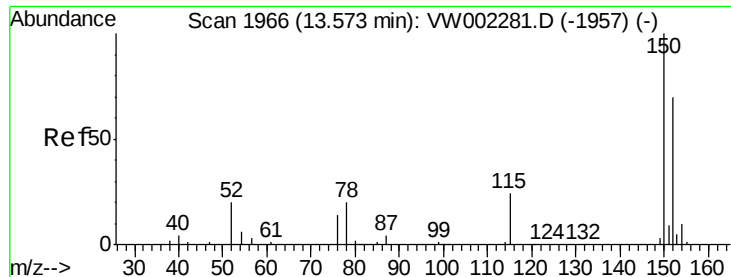


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. -0.00 min

Lab File: VW002412.D

Acq: 11 May 2018 06:15

Instrument :

MSVOA_W

ClientSampleId :

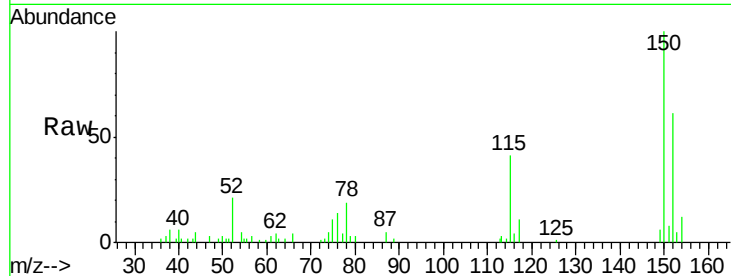
Tot Ion:152 Resp: 4993

Ion Ratio Lower Upper

152 100

115 57.0 28.5 85.5

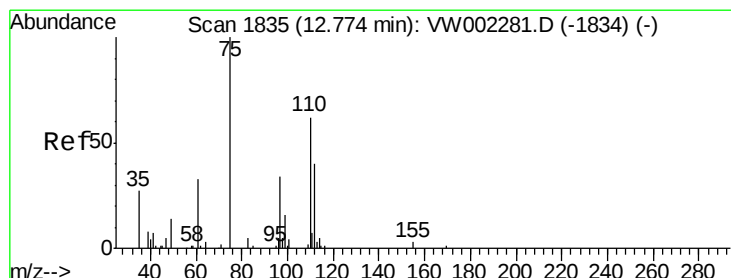
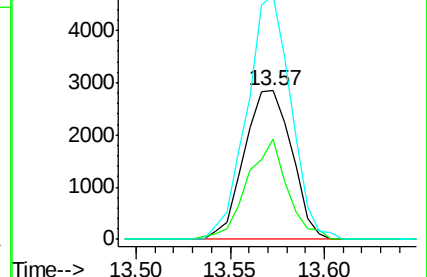
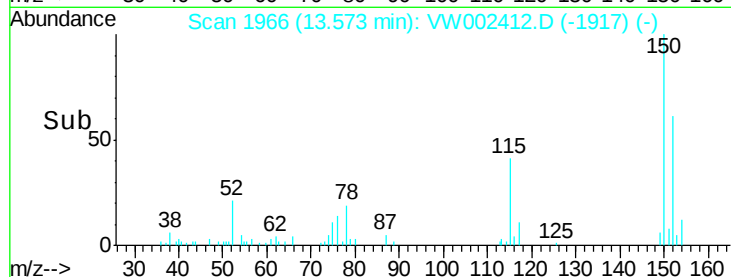
150 151.6 0.0 342.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 82.12 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002412.D

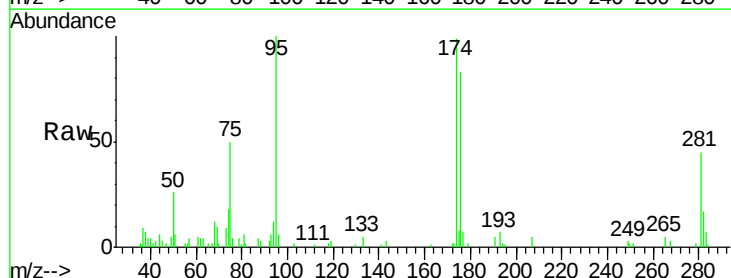
Acq: 11 May 2018 06:15

Tgt Ion: 75 Resp: 3636

Ion Ratio Lower Upper

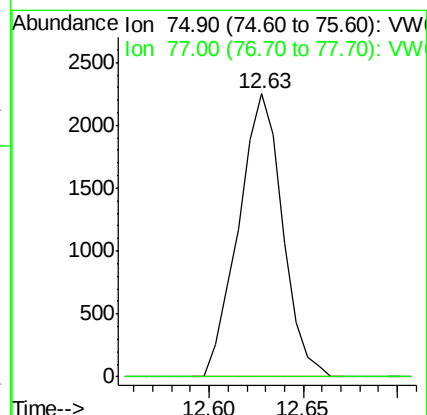
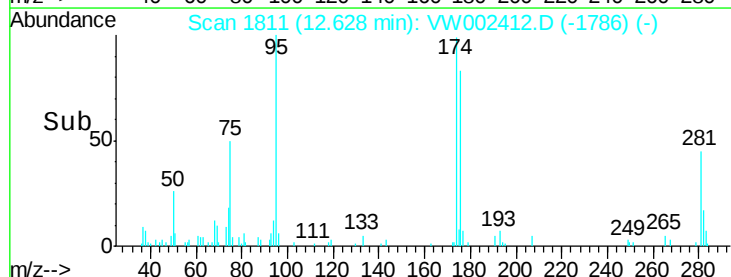
75 100

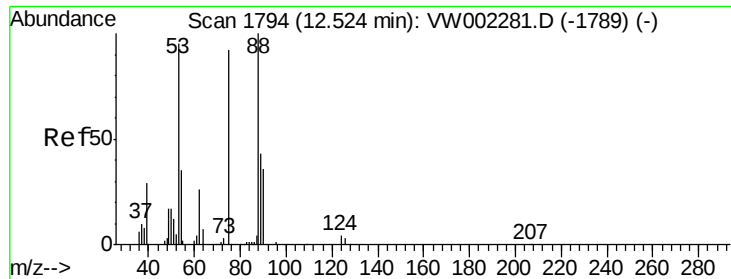
77 0.0 187.5 562.6#



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: 216.32 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002412.D

Acq: 11 May 2018 06:15

Instrument :

MSVOA_W

ClientSampleId :

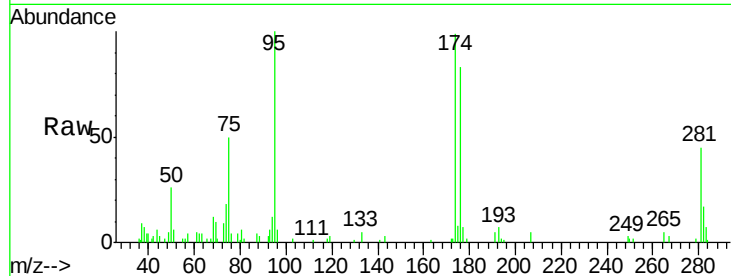
Tot Ion: 75 Resp: 3636

Ion Ratio Lower Upper

75 100

53 0.6 79.9 119.9#

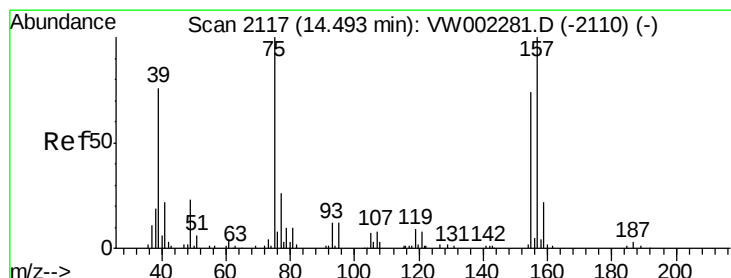
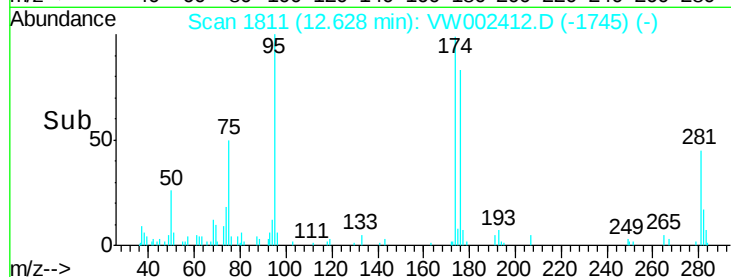
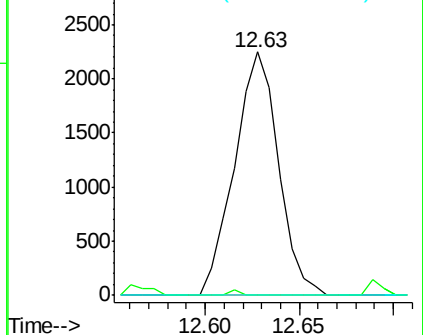
89 0.0 37.6 56.4#



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: 1.85 ug/l

RT: 14.56 min Scan# 2128

Delta R.T. 0.07 min

Lab File: VW002412.D

Acq: 11 May 2018 06:15

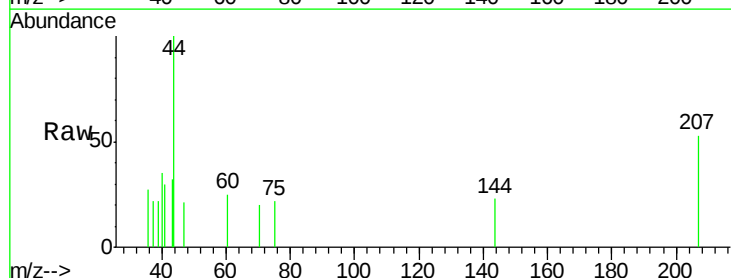
Tgt Ion: 75 Resp: 20

Ion Ratio Lower Upper

75 100

155 0.0 43.3 129.8#

157 0.0 55.8 167.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

