

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061518\
 Data File : VW003298.D
 Acq On : 15 Jun 2018 18:01
 Operator : SY/AP
 Sample : J3241-07RE
 Misc : 5.25G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 16 03:48:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 08:20:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	168005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	275077	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	205119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	95163	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	132034	72.56	ug/l	0.00
Spiked Amount			Recovery	=	145.12%	
35) Dibromofluoromethane	7.88	113	108028	63.20	ug/l	0.00
Spiked Amount			Recovery	=	126.40%	
50) Toluene-d8	10.33	98	295439	43.59	ug/l	0.00
Spiked Amount			Recovery	=	87.18%	
62) 4-Bromofluorobenzene	12.63	95	106825	44.54	ug/l	0.00
Spiked Amount			Recovery	=	89.08%	

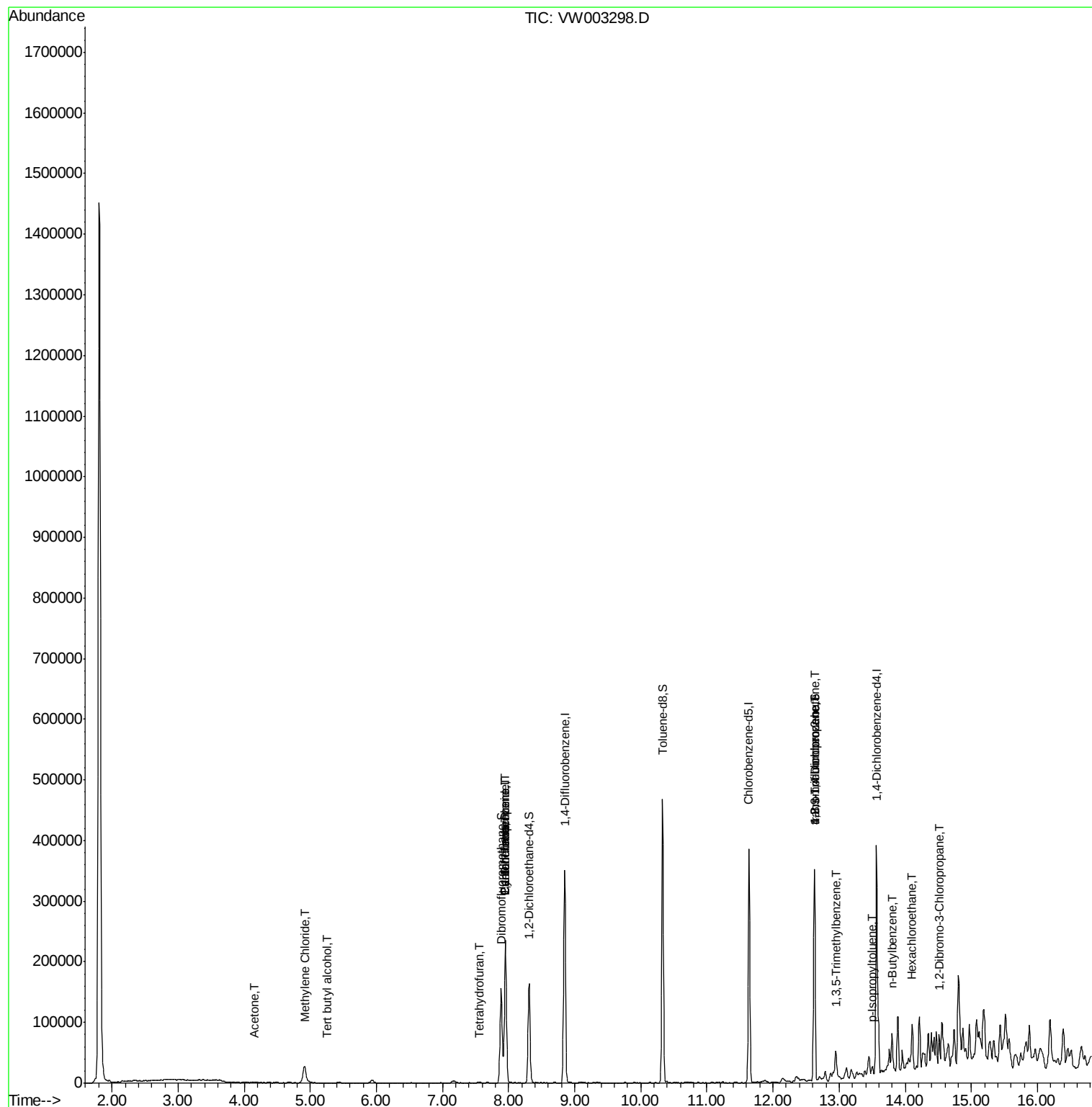
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.25	59	119	1.219	ug/l #	84
16) Acetone	4.15	43	2024	5.303	ug/l	96
20) Methylene Chloride	4.92	84	21803	10.552	ug/l	97
29) Tetrahydrofuran	7.55	42	514	1.772	ug/l #	67
31) Cyclohexane	7.95	56	4419	1.503	ug/l #	27
36) 1,1-Dichloropropene	7.95	75	13849	5.213	ug/l #	51
38) Carbon Tetrachloride	7.95	117	16549	6.351	ug/l #	15
76) 1,2,3-Trichloropropane	12.63	75	57241	70.361	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	14555	2.620	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.63	75	57241	161.904	ug/l #	9
86) p-Isopropyltoluene	13.51	119	6626	1.067	ug/l	98
89) n-Butylbenzene	13.80	91	9254	1.529	ug/l #	1
90) Hexachloroethane	14.10	117	3987	3.551	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.51	75	324	1.719	ug/l #	4

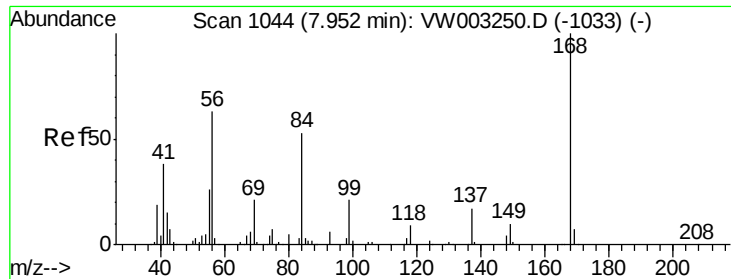
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003298.D

Acq: 15 Jun 2018 18:01

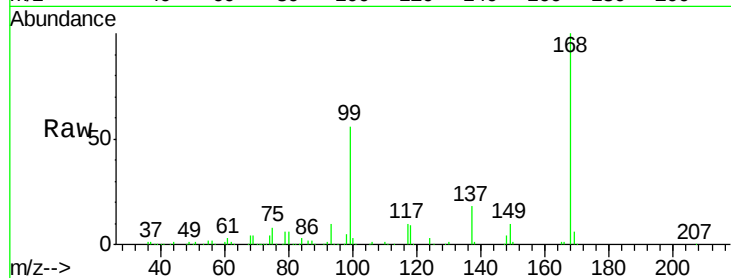
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 168005

Ion Ratio Lower Upper

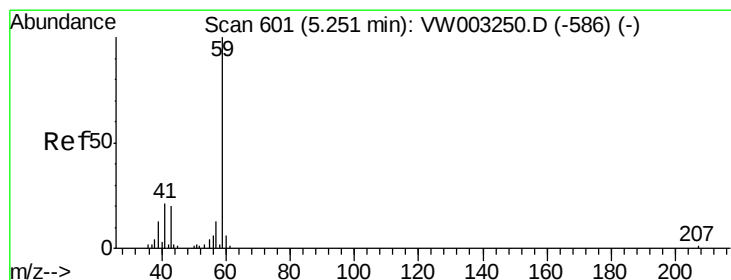
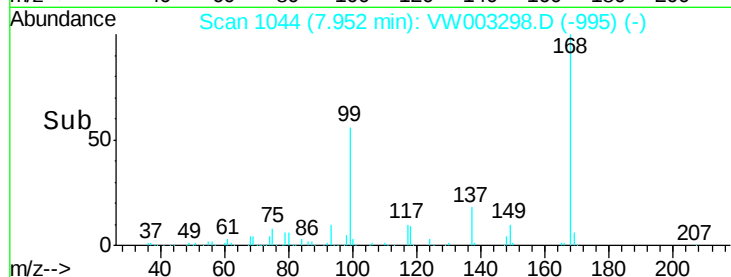
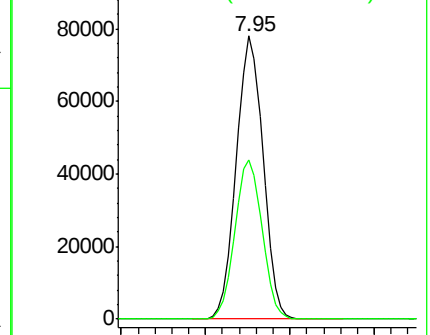
168 100

99 56.2 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.219 ug/l

RT: 5.25 min Scan# 600

Delta R.T. -0.01 min

Lab File: VW003298.D

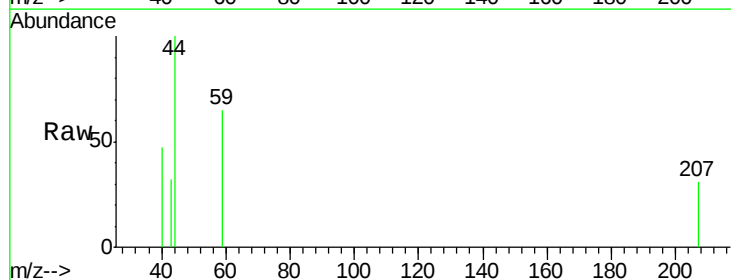
Acq: 15 Jun 2018 18:01

Tgt Ion: 59 Resp: 119

Ion Ratio Lower Upper

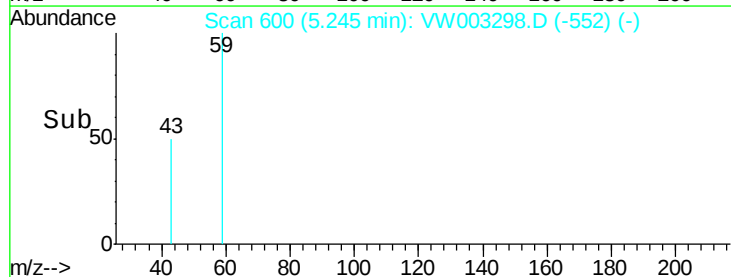
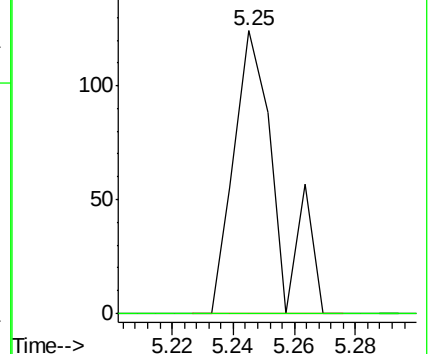
59 100

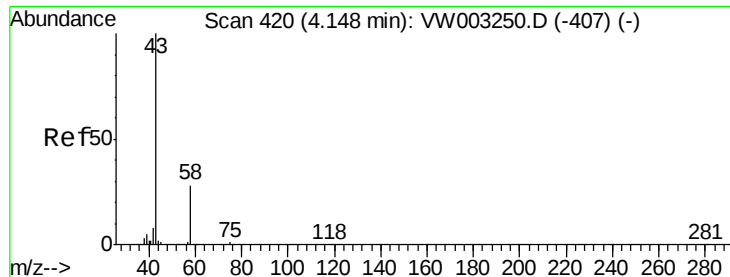
57 0.0 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 5.303 ug/l

RT: 4.15 min Scan# 421

Delta R.T. 0.01 min

Lab File: VW003298.D

Acq: 15 Jun 2018 18:01

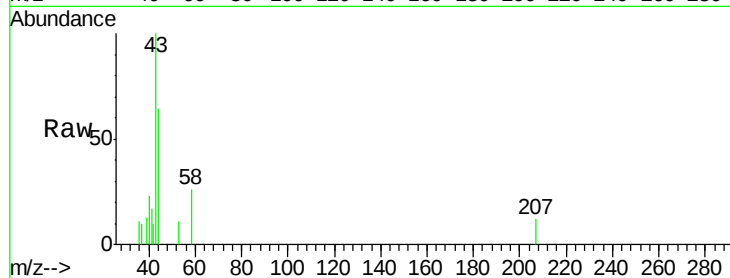
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 2024

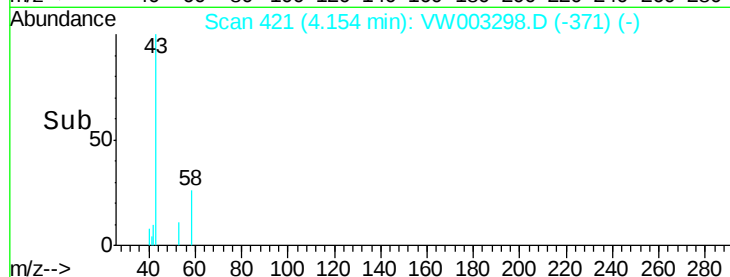
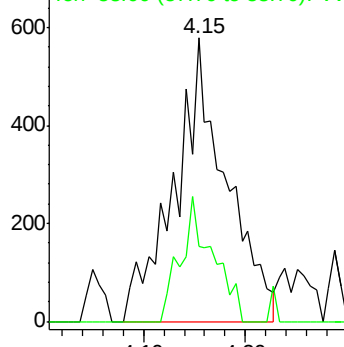
Ion Ratio Lower Upper

43 100

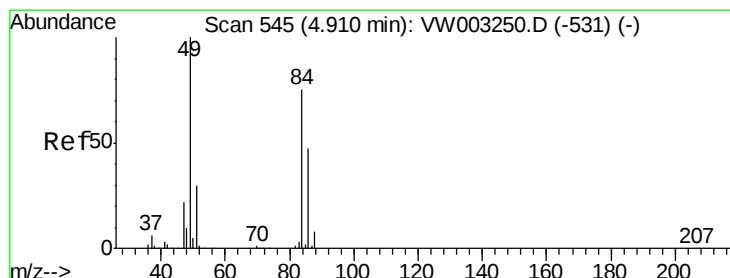
58 26.3 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



Time-->



#20

Methylene Chloride

Concen: 10.552 ug/l

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW003298.D

Acq: 15 Jun 2018 18:01

Tgt Ion: 84 Resp: 21803

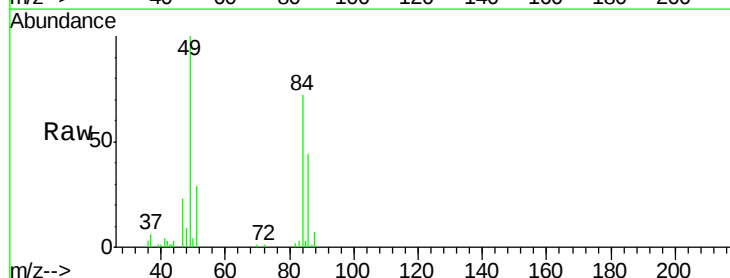
Ion Ratio Lower Upper

84 100

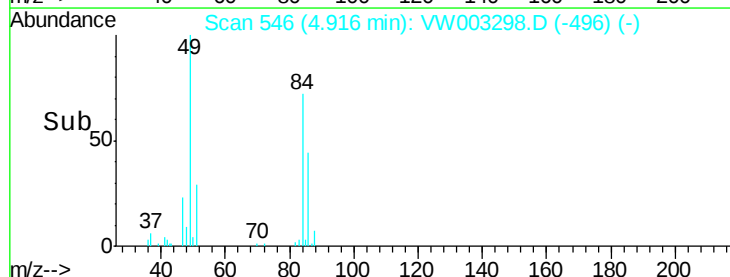
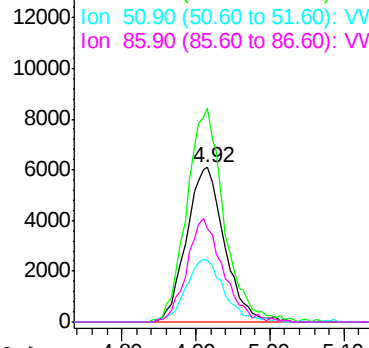
49 138.0 106.3 159.5

51 39.6 32.0 48.0

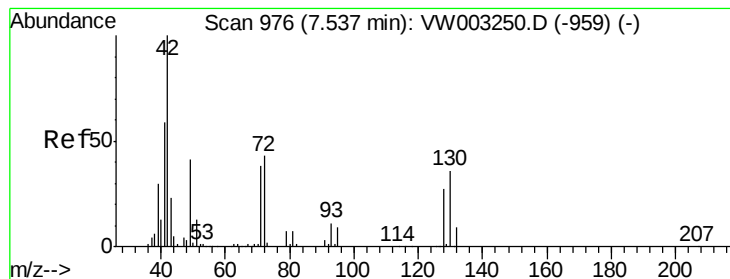
86 60.5 49.9 74.9



Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW



Time-->



#29

Tetrahydrofuran

Concen: 1.772 ug/l

RT: 7.55 min Scan# 978

Delta R.T. 0.01 min

Lab File: VW003298.D

Acq: 15 Jun 2018 18:01

Instrument :

MSVOA_W

ClientSampleId :

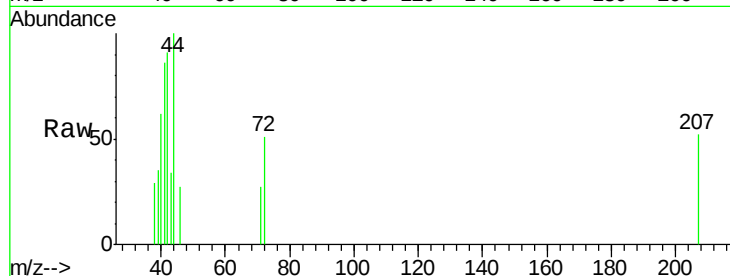
Tot Ion: 42 Resp: 514

Ion Ratio Lower Upper

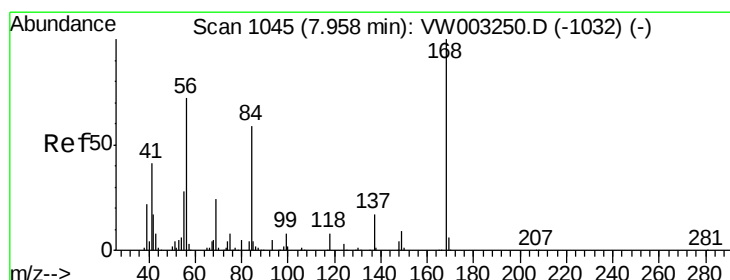
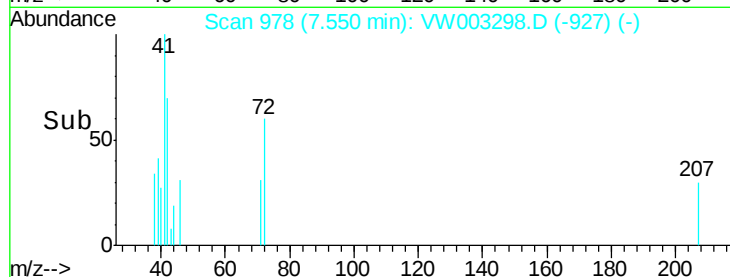
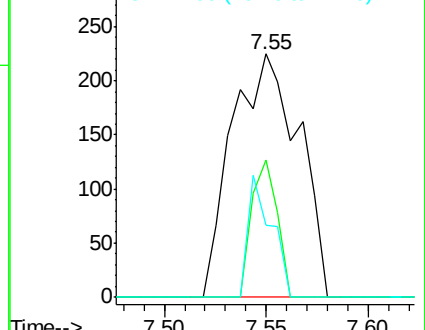
42 100

72 21.4 32.4 48.6#

71 17.5 31.2 46.8#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.503 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003298.D

Acq: 15 Jun 2018 18:01

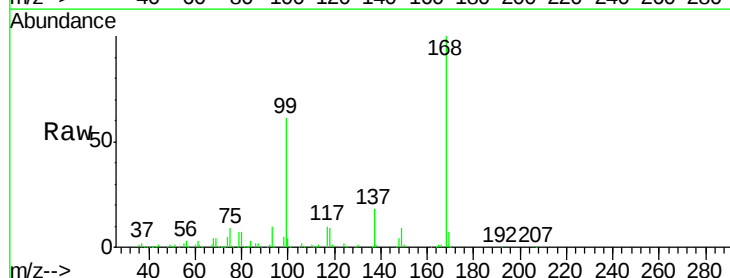
Tgt Ion: 56 Resp: 4419

Ion Ratio Lower Upper

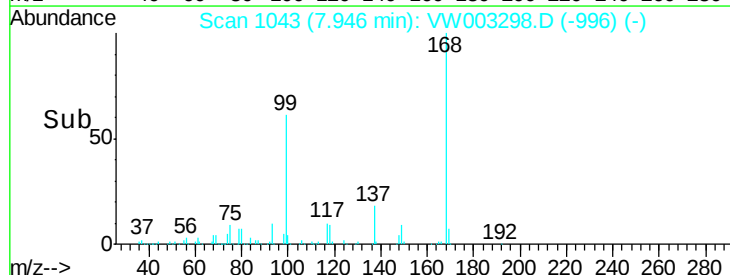
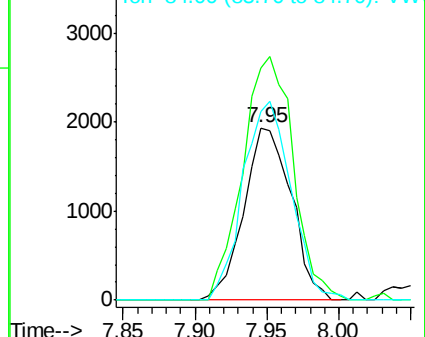
56 100

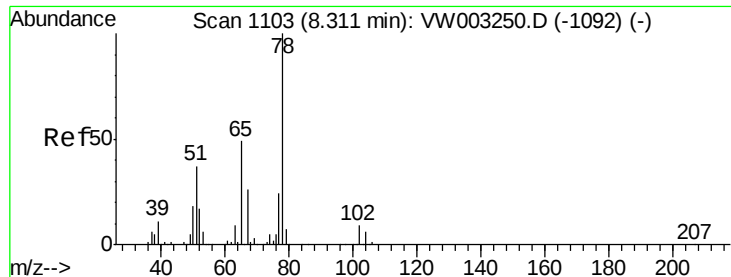
69 134.8 26.3 39.5#

84 109.5 65.7 98.5#



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: 72.556 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003298.D

Acq: 15 Jun 2018 18:01

Instrument :

MSVOA_W

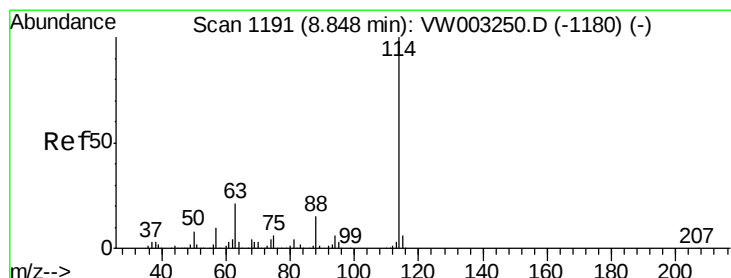
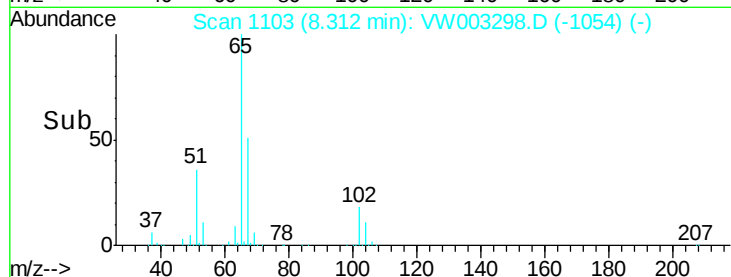
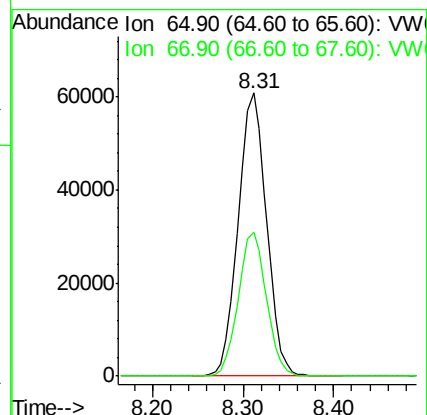
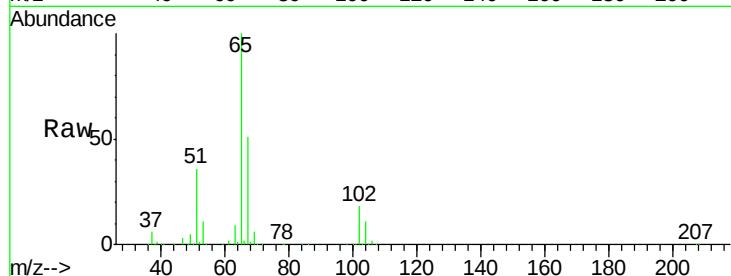
ClientSampleId :

Tot Ion: 65 Resp: 132034

Ion Ratio Lower Upper

65 100

67 50.5 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003298.D

Acq: 15 Jun 2018 18:01

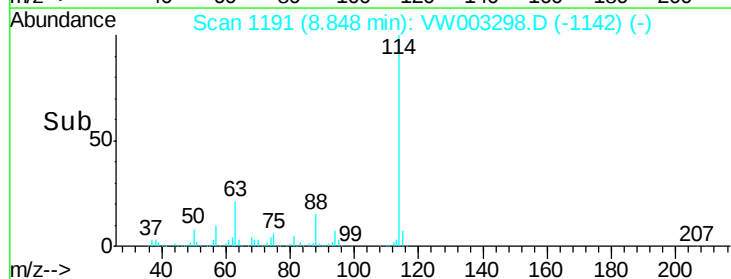
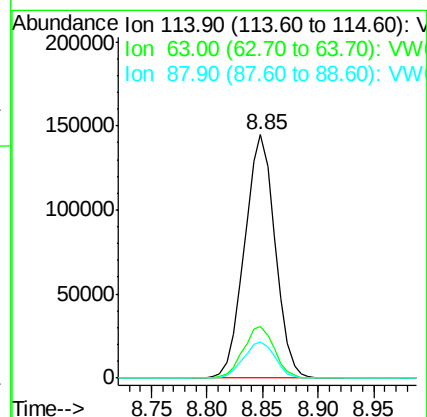
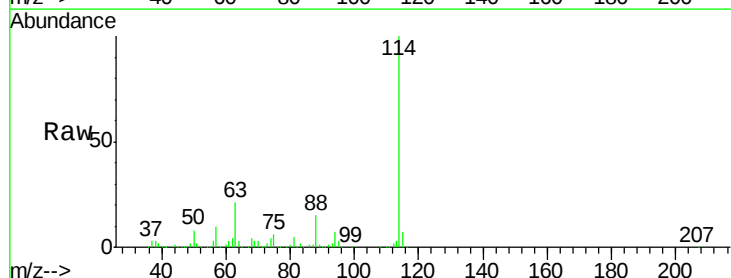
Tgt Ion: 114 Resp: 275077

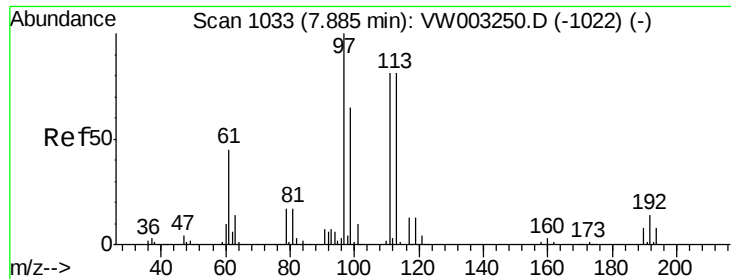
Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.0

88 15.1 0.0 29.6

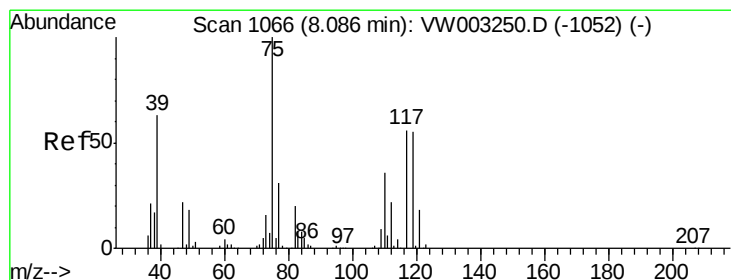
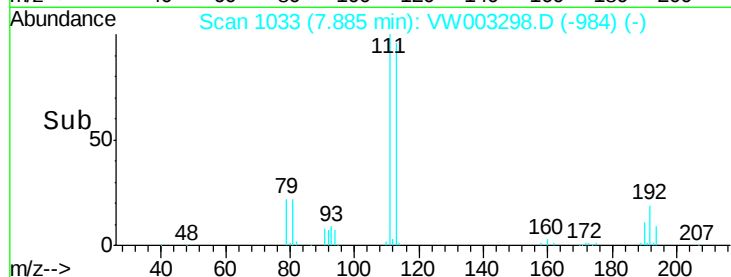
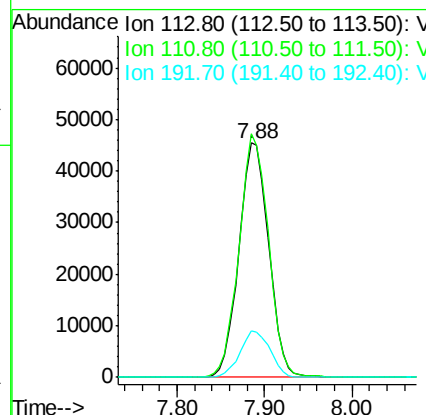
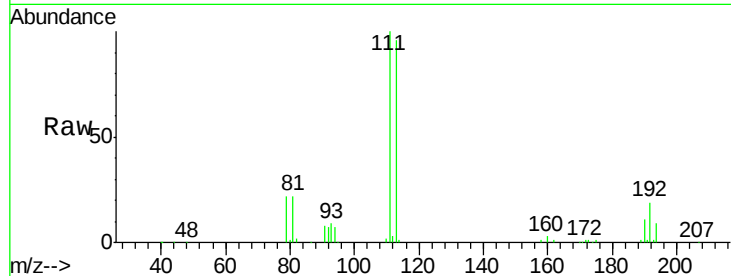




#35
 Dibromofluoromethane
 Concen: 63.202 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003298.D
 Acq: 15 Jun 2018 18:01

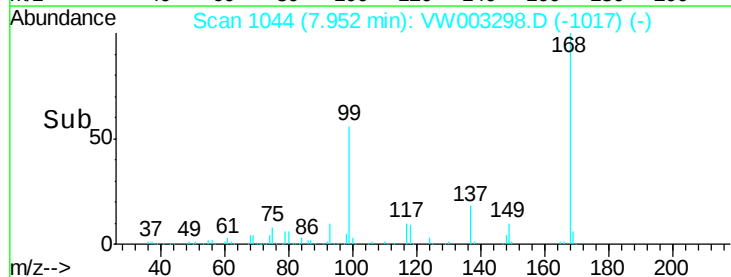
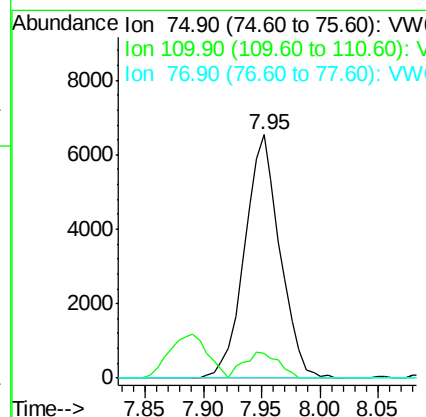
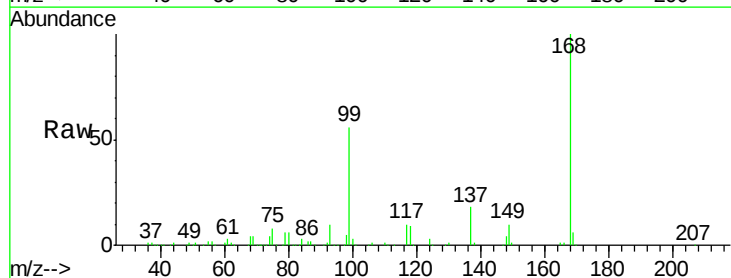
Instrument :
 MSVOA_W
 ClientSampled :

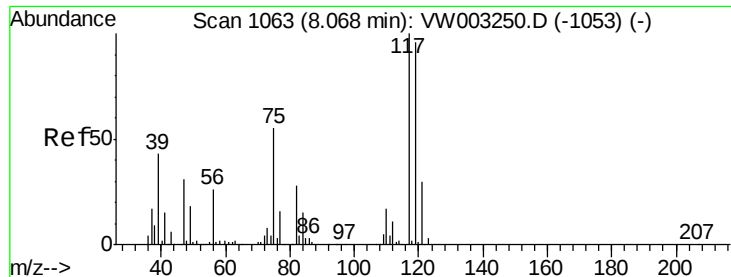
Tot Ion:113 Resp: 108028
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.2 123.2
 192 20.0 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.213 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003298.D
 Acq: 15 Jun 2018 18:01

Tgt Ion: 75 Resp: 13849
 Ion Ratio Lower Upper
 75 100
 110 10.4 17.1 51.3#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.351 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003298.D

Acq: 15 Jun 2018 18:01

Instrument :

MSVOA_W

ClientSampled :

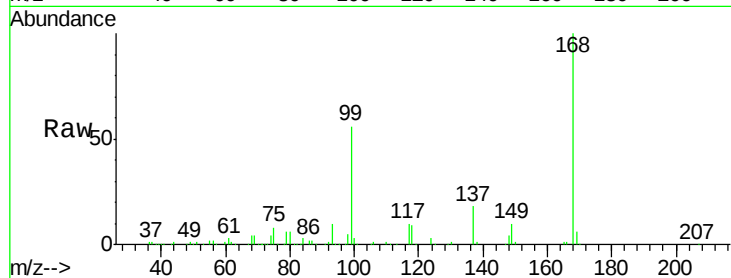
Tot Ion:117 Resp: 16549

Ion Ratio Lower Upper

117 100

119 3.5 76.6 115.0#

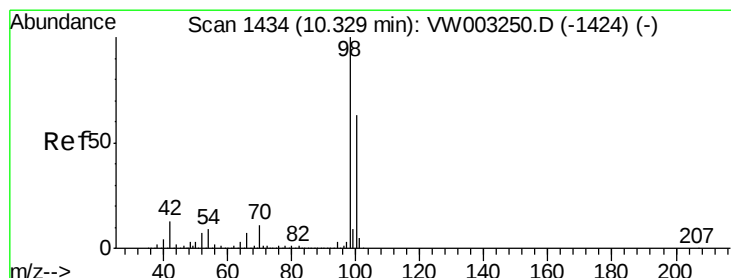
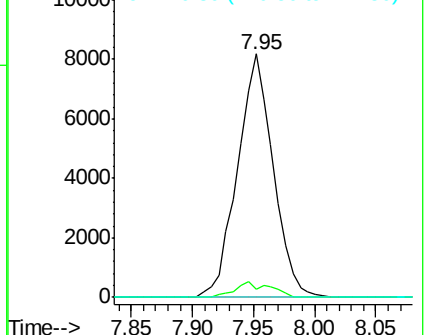
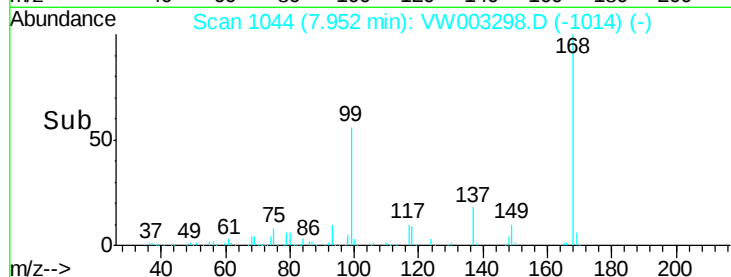
121 0.0 23.9 35.9#



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



#50

Toluene-d8

Concen: 43.591 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003298.D

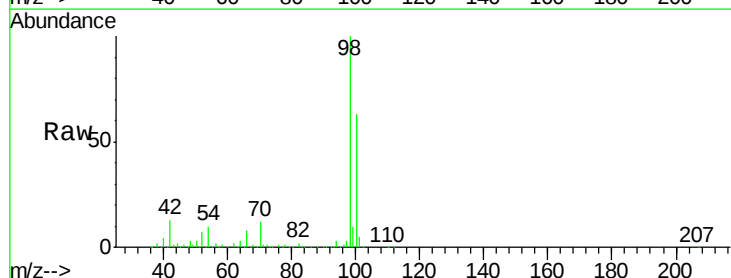
Acq: 15 Jun 2018 18:01

Tgt Ion: 98 Resp: 295439

Ion Ratio Lower Upper

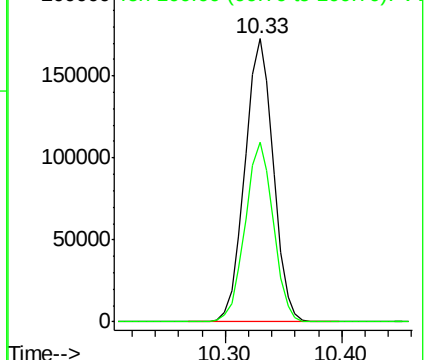
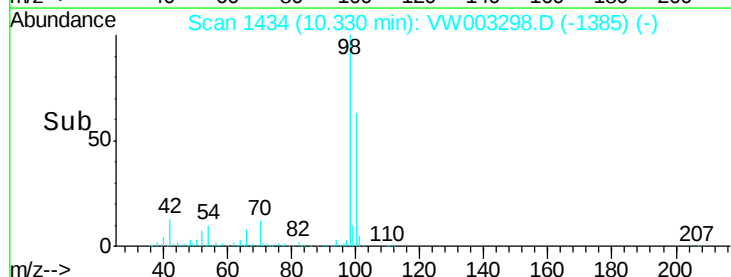
98 100

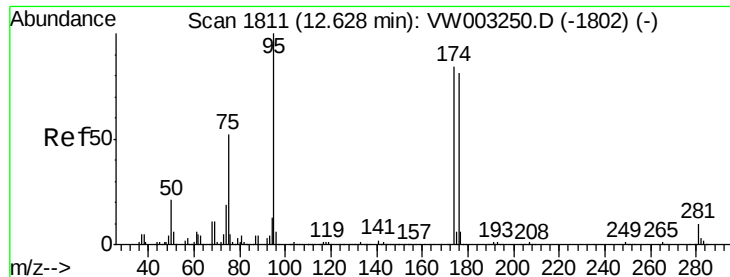
100 62.8 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

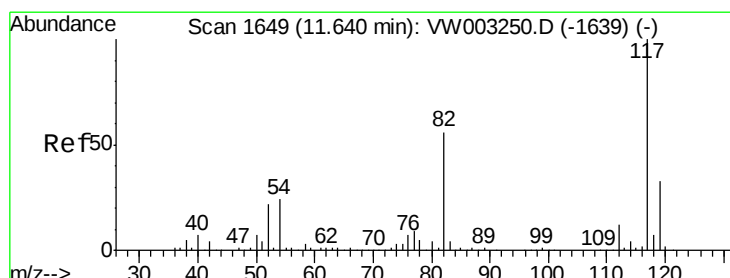
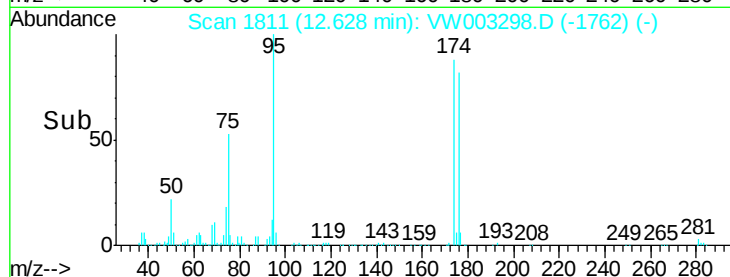
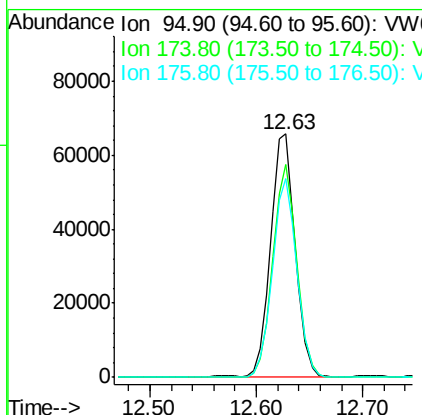
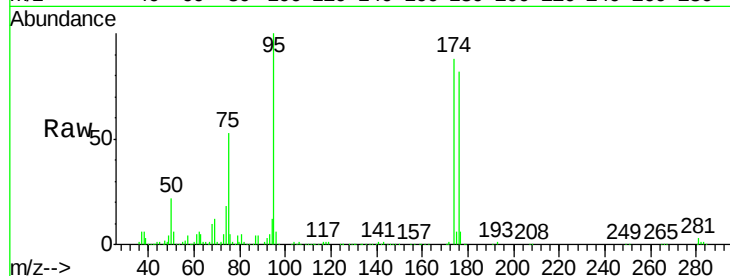




#62
4-Bromofluorobenzene
Concen: 44.538 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW003298.D
Acq: 15 Jun 2018 18:01

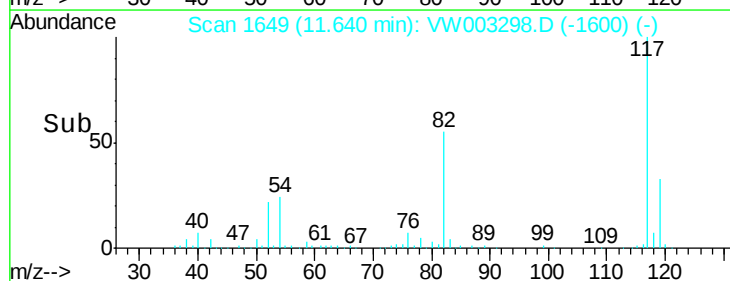
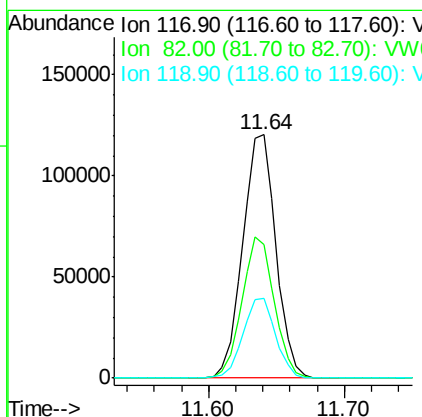
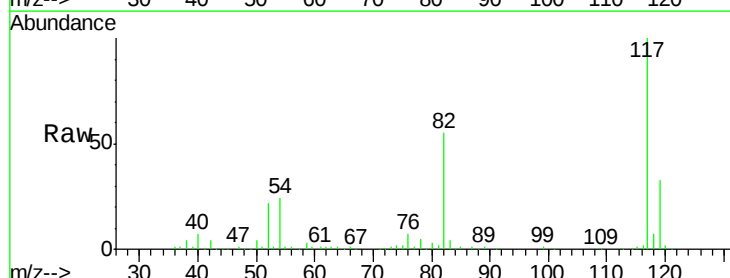
Instrument :
MSVOA_W
ClientSampleId :

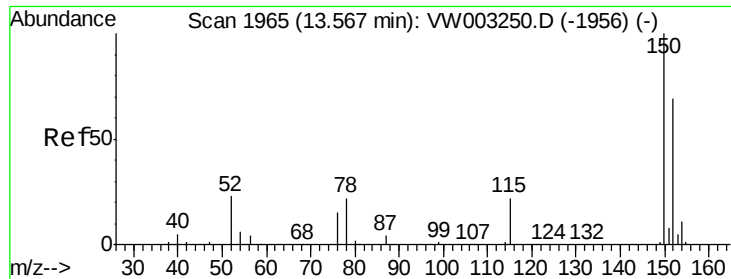
Tot Ion	95	Resp	106825
Ion Ratio	Lower	Upper	
95	100		
174	84.7	0.0	166.4
176	79.9	0.0	162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW003298.D
Acq: 15 Jun 2018 18:01

Tgt Ion	117	Resp	205119
Ion Ratio	Lower	Upper	
117	100		
82	54.6	44.6	67.0
119	32.8	26.7	40.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003298.D

Acq: 15 Jun 2018 18:01

Instrument :

MSVOA_W

ClientSampleId :

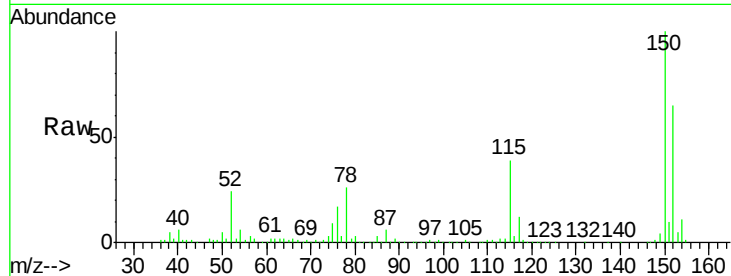
Tot Ion:152 Resp: 95163

Ion Ratio Lower Upper

152 100

115 59.5 29.3 88.0

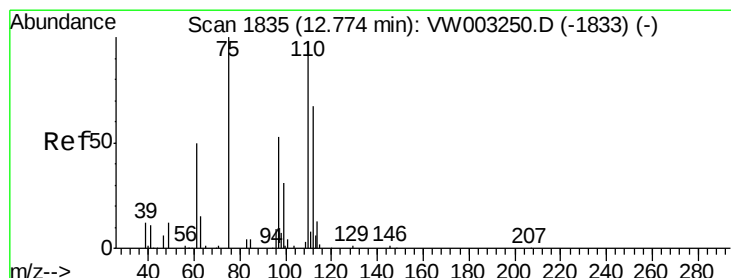
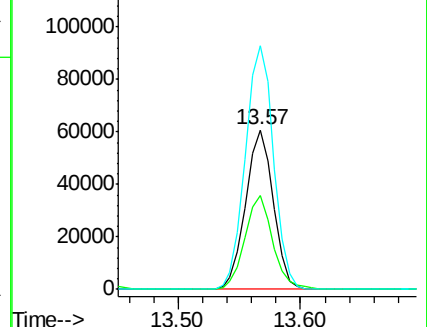
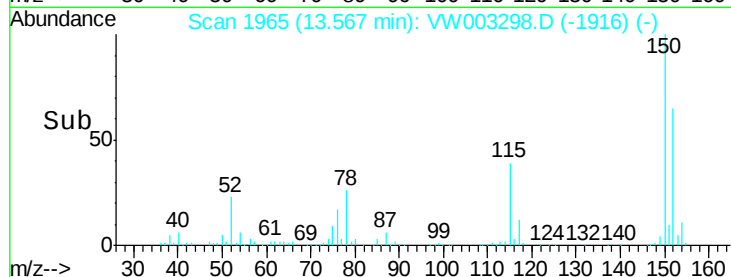
150 155.9 0.0 349.6



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: 70.361 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW003298.D

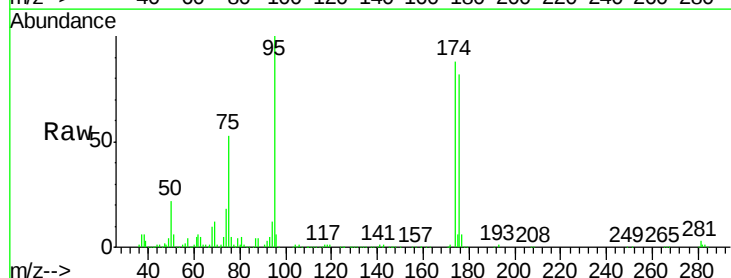
Acq: 15 Jun 2018 18:01

Tgt Ion: 75 Resp: 57241

Ion Ratio Lower Upper

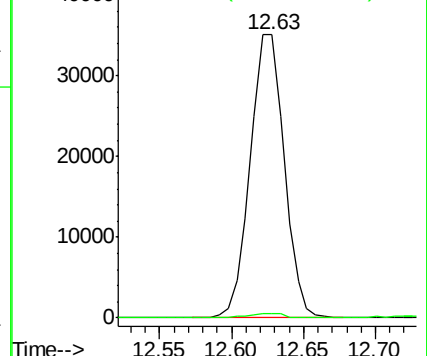
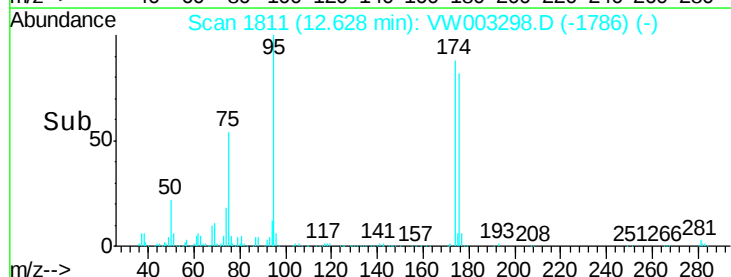
75 100

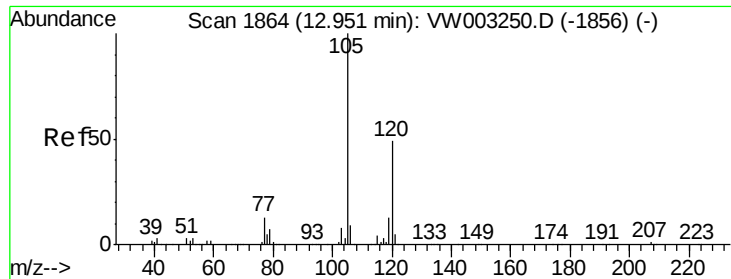
77 1.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

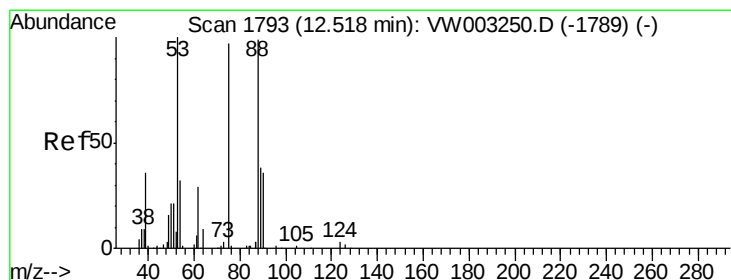
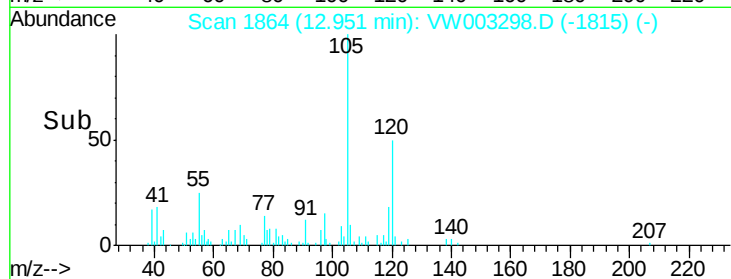
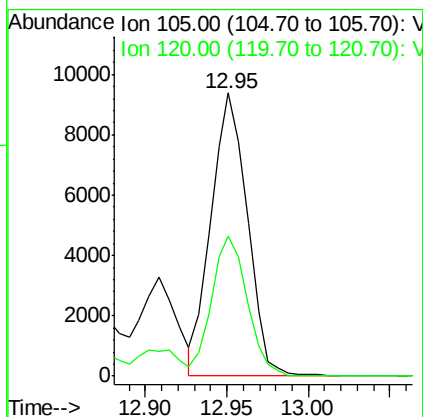
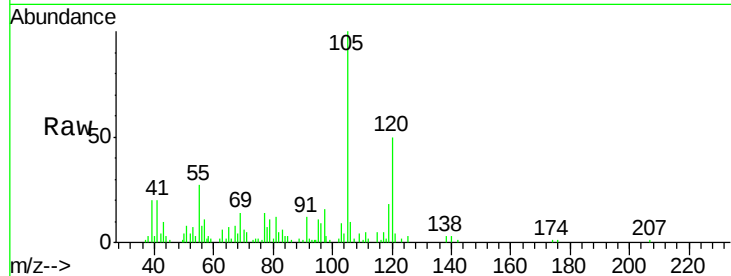




#80
 1,3,5-Trimethylbenzene
 Concen: 2.620 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW003298.D
 Acq: 15 Jun 2018 18:01

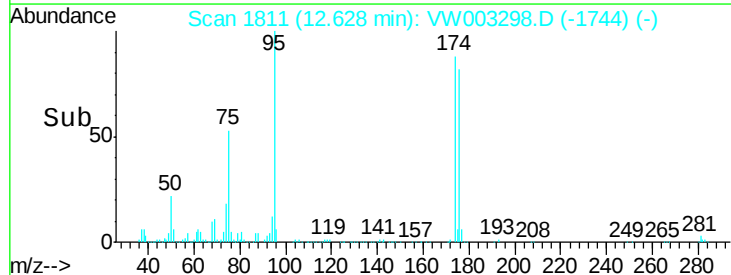
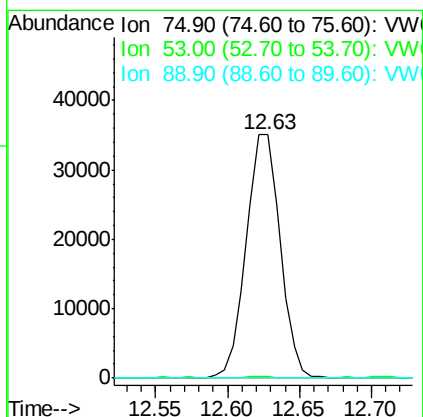
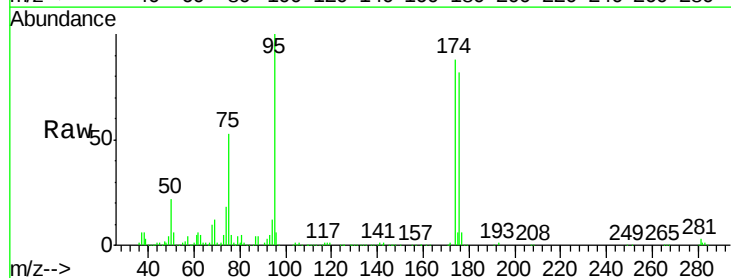
Instrument :
 MSVOA_W
 ClientSampleId :

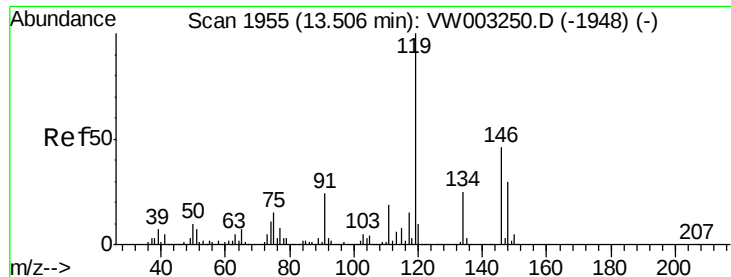
Tot Ion:105 Resp: 14555
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.3 72.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 161.904 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.11 min
 Lab File: VW003298.D
 Acq: 15 Jun 2018 18:01

Tgt Ion: 75 Resp: 57241
 Ion Ratio Lower Upper
 75 100
 53 0.6 82.9 124.3#
 89 0.0 36.7 55.1#

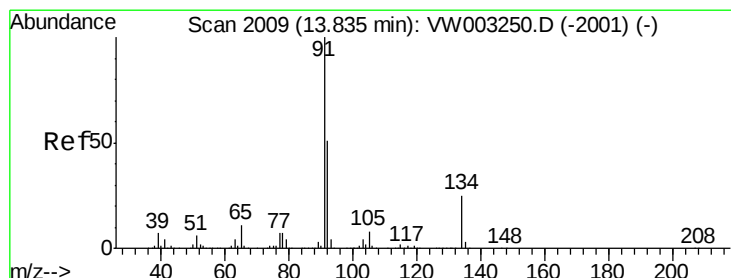
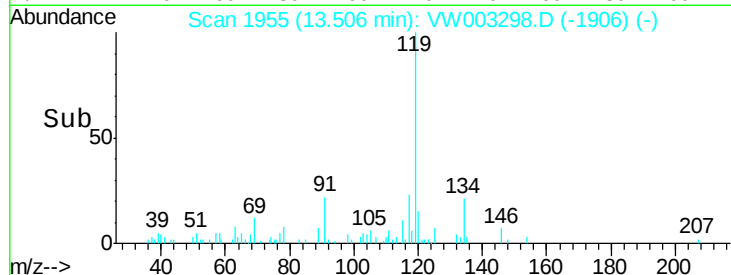
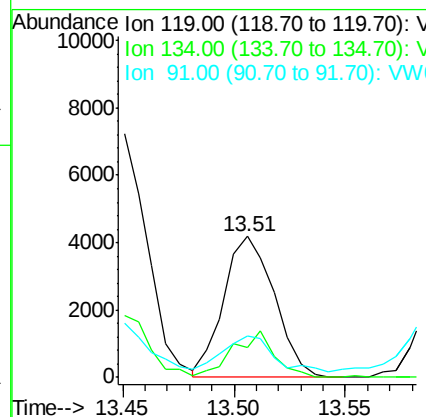
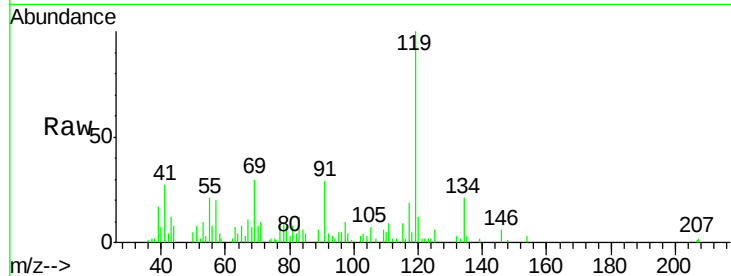




#86
p-Isopropyltoluene
Concen: 1.067 ug/l
RT: 13.51 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW003298.D
Acq: 15 Jun 2018 18:01

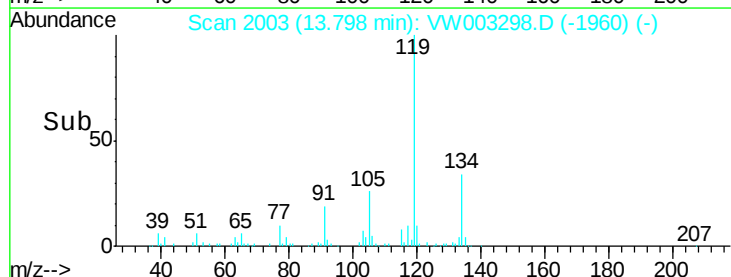
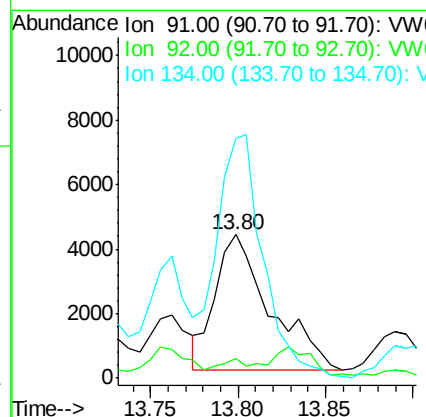
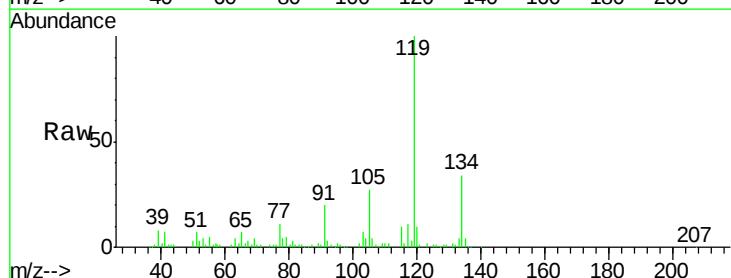
Instrument :
MSVOA_W
ClientSampled :

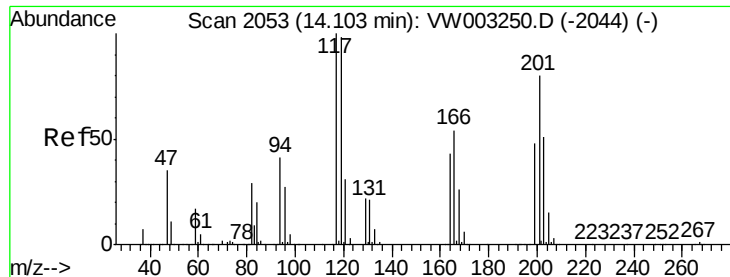
Tot Ion: 119 Resp: 6626
Ion Ratio Lower Upper
119 100
134 26.9 12.9 38.7
91 24.5 11.8 35.3



#89
n-Butylbenzene
Concen: 1.529 ug/l
RT: 13.80 min Scan# 2003
Delta R.T. -0.04 min
Lab File: VW003298.D
Acq: 15 Jun 2018 18:01

Tgt Ion: 91 Resp: 9254
Ion Ratio Lower Upper
91 100
92 7.0 26.0 78.0#
134 152.4 12.7 38.0#





#90

Hexachloroethane

Concen: 3.551 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW003298.D

Acq: 15 Jun 2018 18:01

Instrument :

MSVOA_W

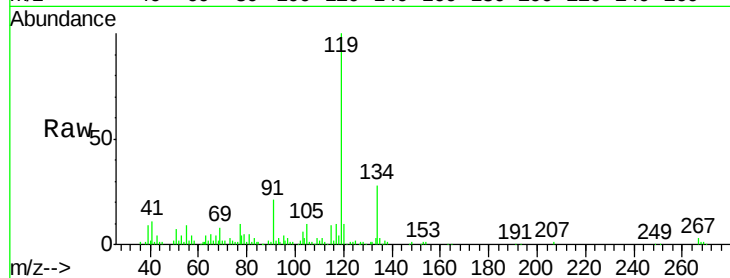
ClientSampled :

Tot Ion:117 Resp: 3987

Ion Ratio Lower Upper

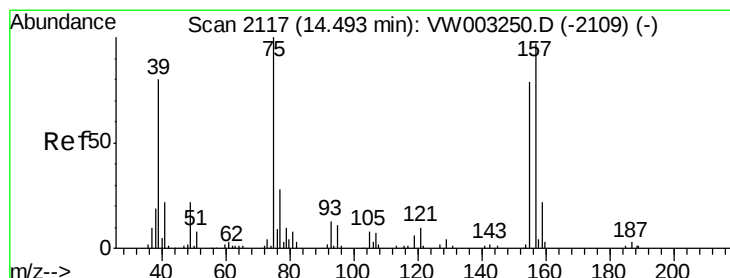
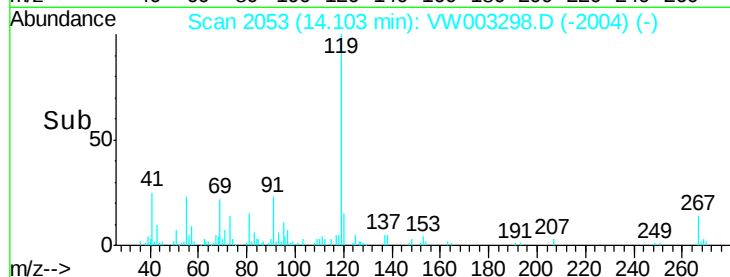
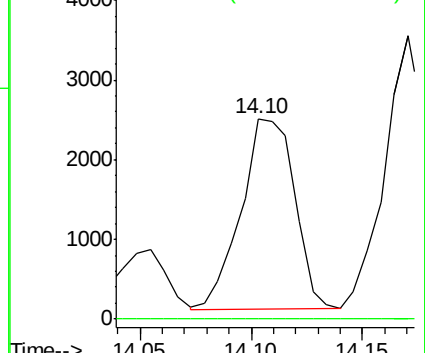
117 100

201 0.0 39.5 118.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.719 ug/l

RT: 14.51 min Scan# 2120

Delta R.T. 0.02 min

Lab File: VW003298.D

Acq: 15 Jun 2018 18:01

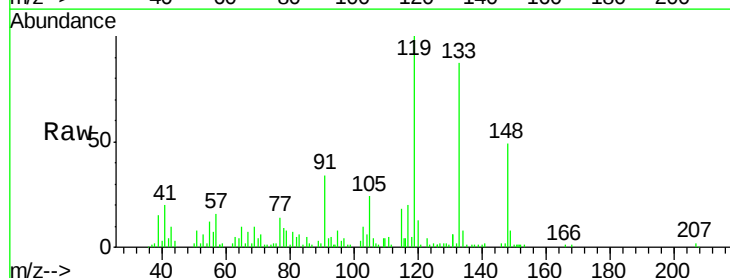
Tgt Ion: 75 Resp: 324

Ion Ratio Lower Upper

75 100

155 0.0 39.4 118.2#

157 0.0 51.5 154.5#



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

