

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121918\
 Data File : VW007640.D
 Acq On : 17 Dec 2018 18:58
 Operator : SY/AP
 Sample : J6378-22
 Misc : 4.78G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 18 07:06:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	18912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	30002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	20477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	5159	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	14000	66.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.46%	
35) Dibromofluoromethane	7.88	113	10691	58.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.74%	
50) Toluene-d8	10.32	98	30618	44.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.92%	
62) 4-Bromofluorobenzene	12.62	95	6980	27.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	55.76%	

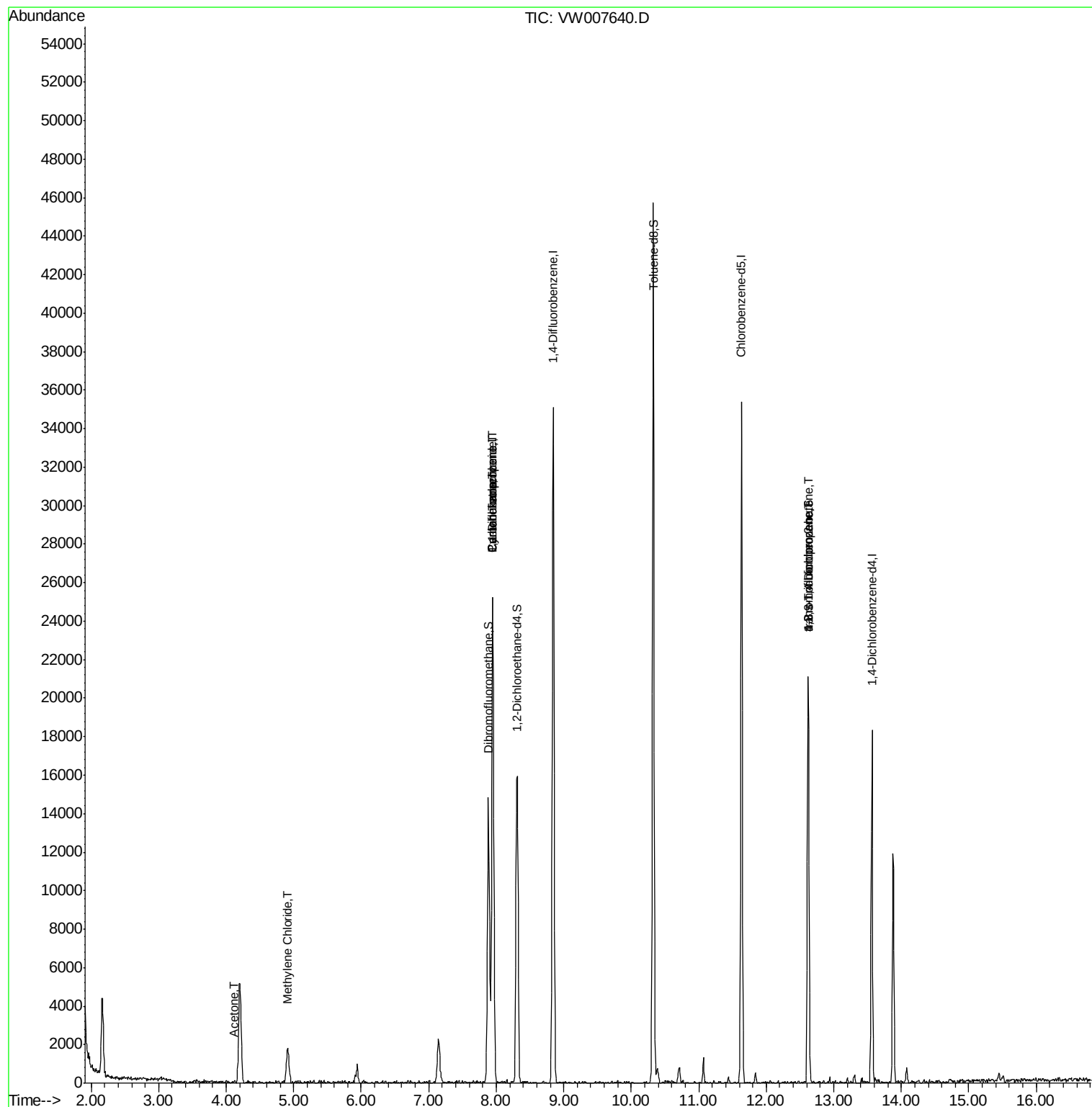
Target Compounds					Qvalue	
16) Acetone	4.12	43	117	3.193	ug/l #	44
20) Methylene Chloride	4.92	84	1405	3.356	ug/l #	87
31) Cyclohexane	7.95	56	377	1.157	ug/l #	33
36) 1,1-Dichloropropene	7.95	75	1316	4.808	ug/l #	47
38) Carbon Tetrachloride	7.95	117	1896	6.367	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	3731	87.711	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	3731	193.754	ug/l #	7

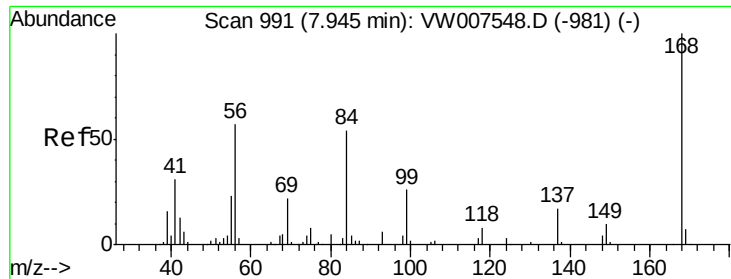
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007640.D

Acq: 17 Dec 2018 18:58

Instrument :

MSVOA_W

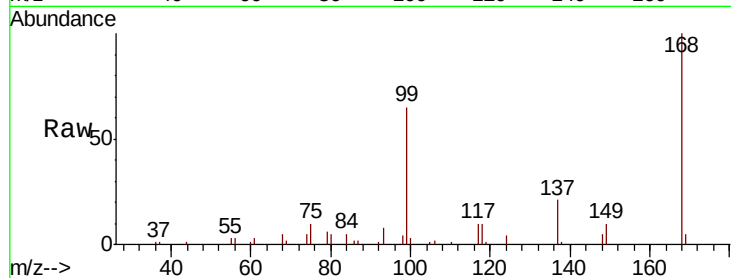
ClientSampleId :

Tot Ion:168 Resp: 18912

Ion Ratio Lower Upper

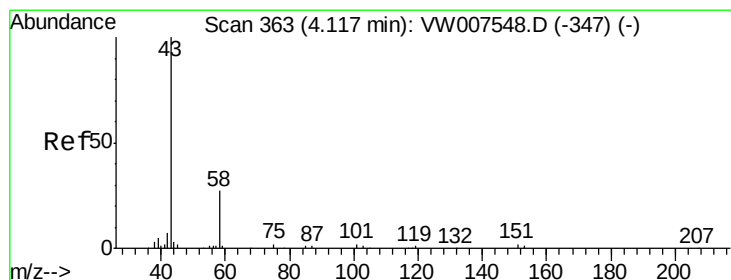
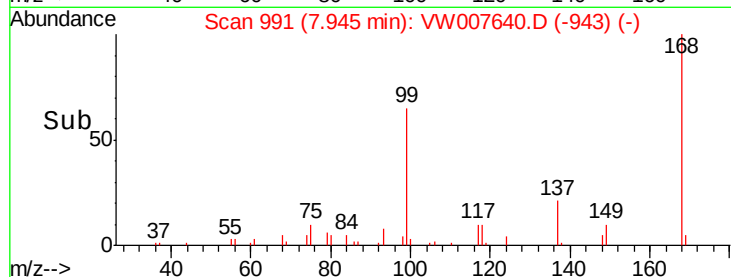
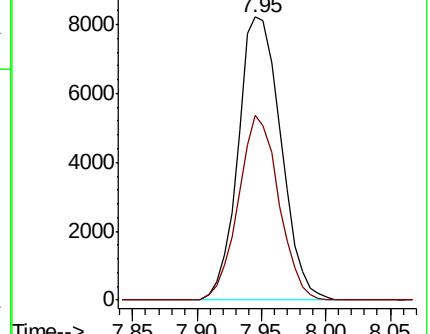
168 100

99 65.1 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 3.193 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007640.D

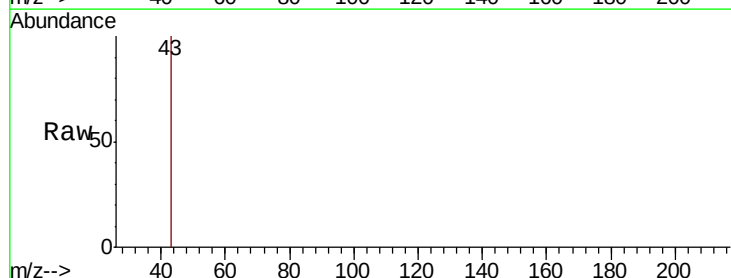
Acq: 17 Dec 2018 18:58

Tgt Ion: 43 Resp: 117

Ion Ratio Lower Upper

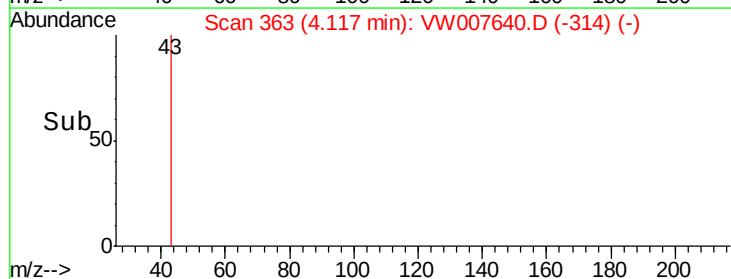
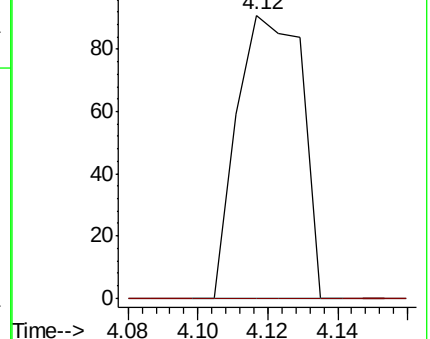
43 100

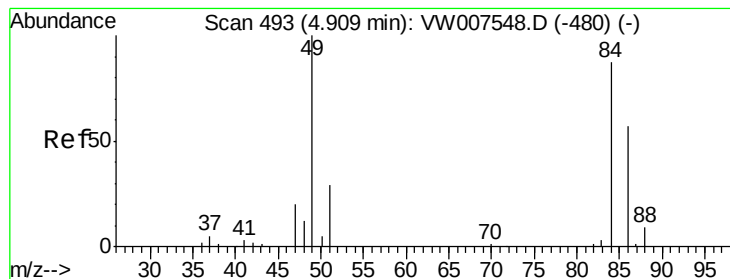
58 0.0 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methvlene Chloride

Concen: 3.356 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW007640.D

Acq: 17 Dec 2018 18:58

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 84 Resp: 1405

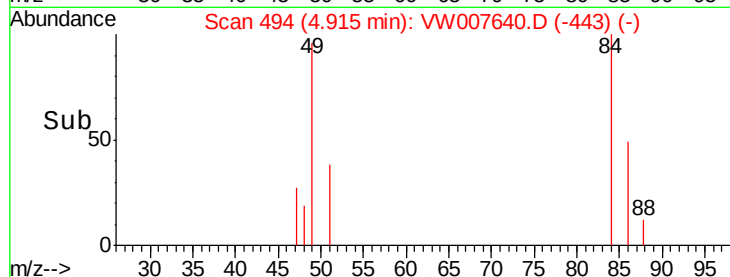
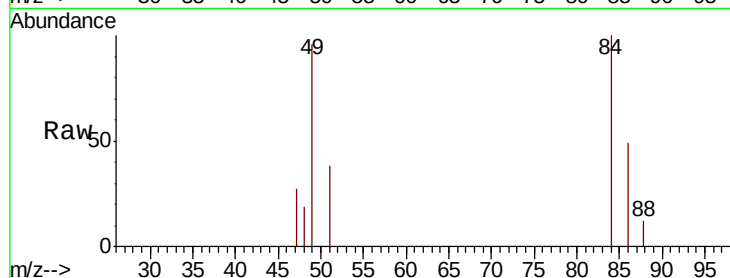
Ion Ratio Lower Upper

84 100

49 96.4 87.1 130.7

51 37.9 28.2 42.2

86 49.5 50.8 76.2#

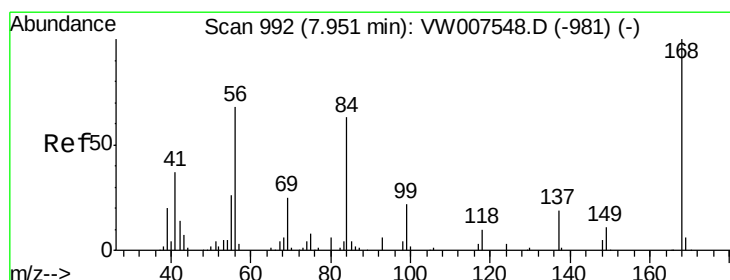
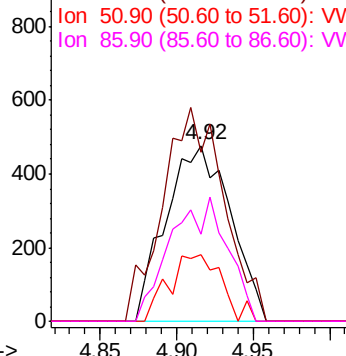


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#31

Cyclohexane

Concen: 1.157 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007640.D

Acq: 17 Dec 2018 18:58

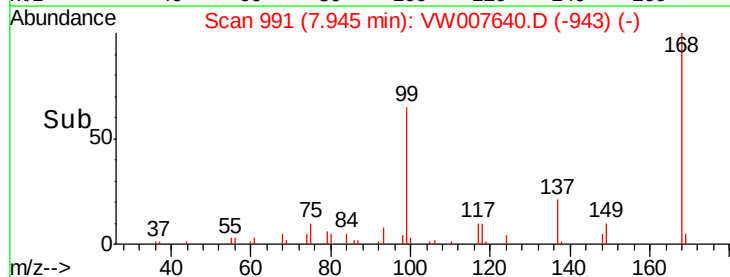
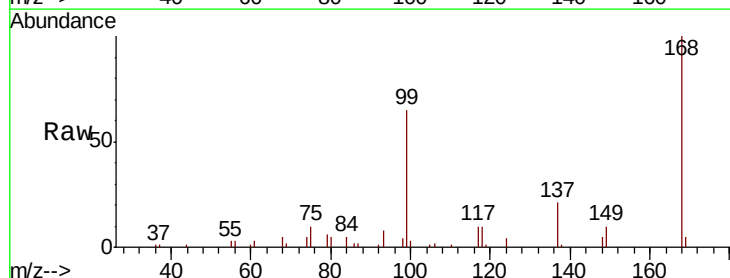
Tgt Ion: 56 Resp: 377

Ion Ratio Lower Upper

56 100

69 75.3 28.9 43.3#

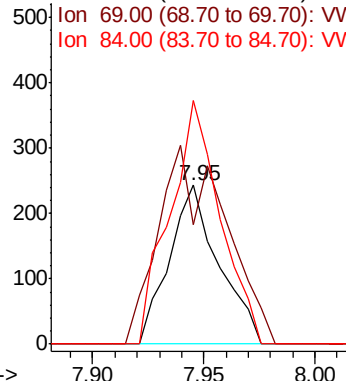
84 153.5 71.8 107.6#

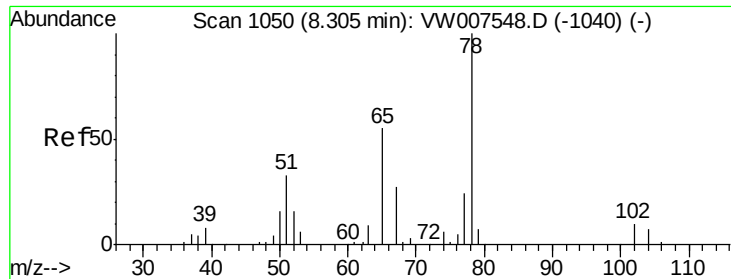


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 66.726 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW007640.D

Acq: 17 Dec 2018 18:58

Instrument :

MSVOA_W

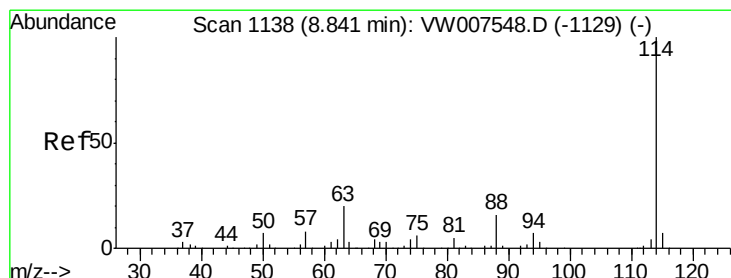
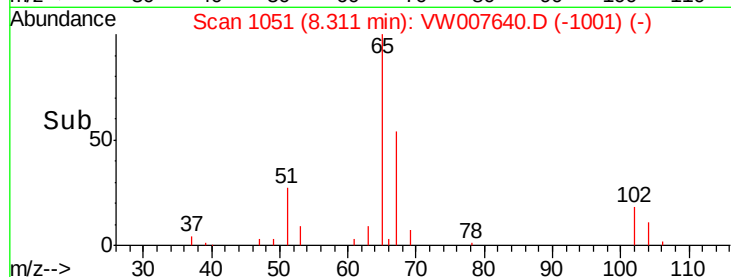
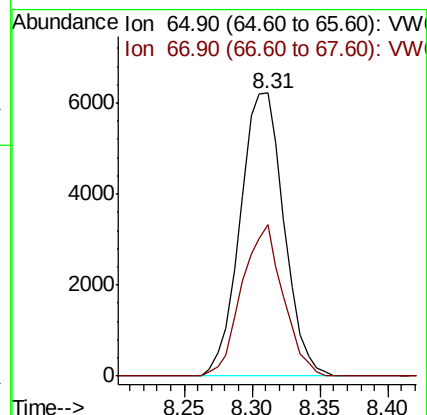
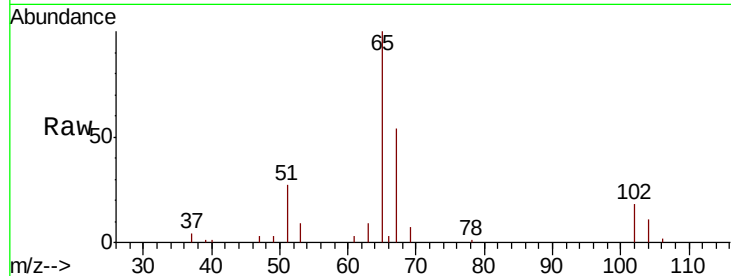
ClientSampleId :

Tot Ion: 65 Resp: 14000

Ion Ratio Lower Upper

65 100

67 50.6 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VW007640.D

Acq: 17 Dec 2018 18:58

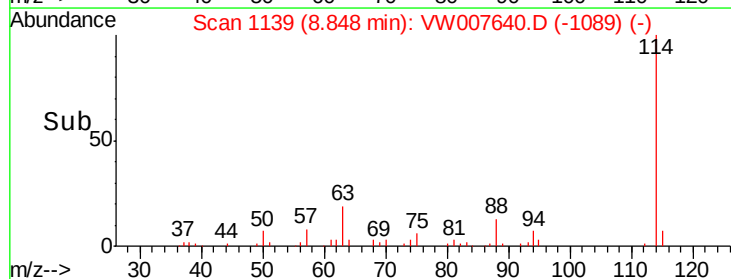
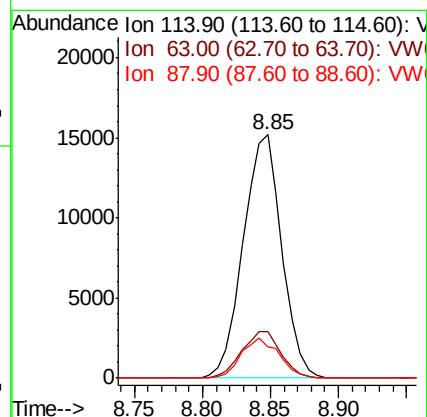
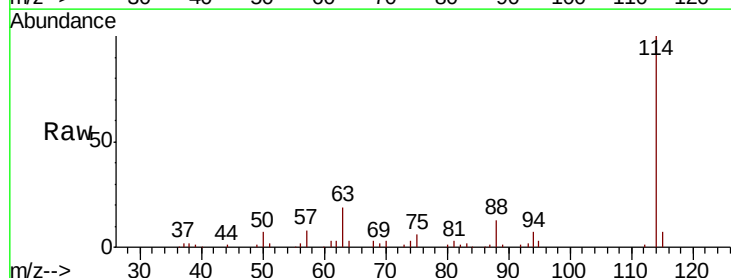
Tgt Ion: 114 Resp: 30002

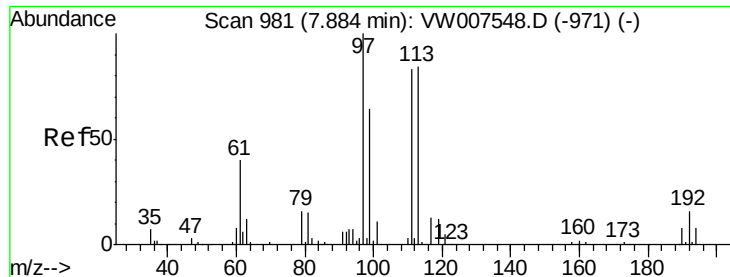
Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.6

88 12.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 58.867 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007640.D

Acq: 17 Dec 2018 18:58

Instrument :
MSVOA_W
ClientSampleId :

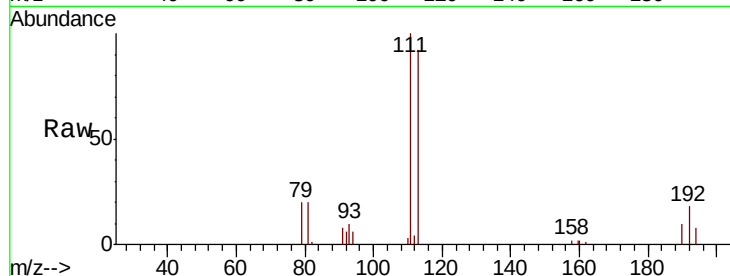
Tot Ion:113 Resp: 10691

Ion Ratio Lower Upper

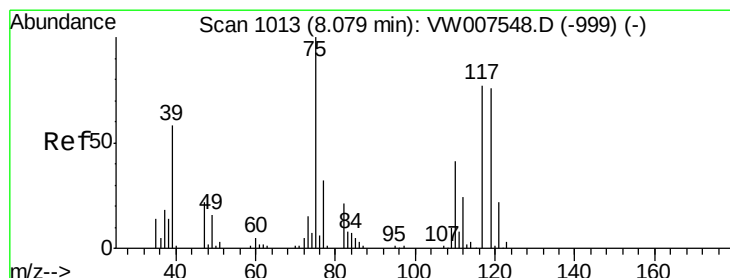
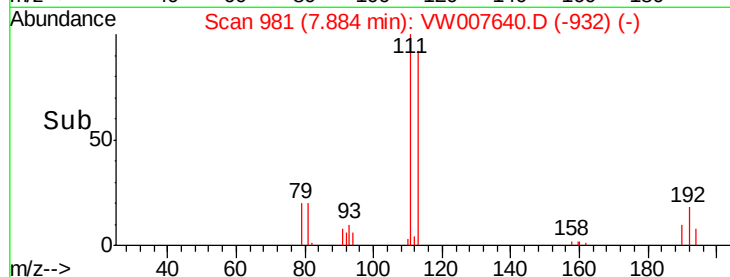
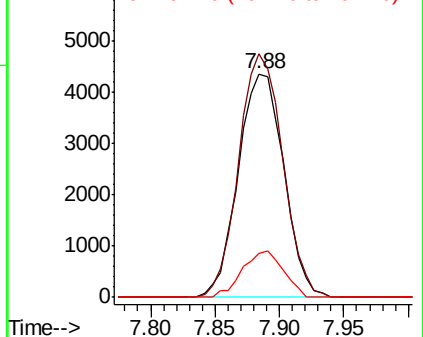
113 100

111 105.3 81.1 121.7

192 18.6 14.6 21.8



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.808 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007640.D

Acq: 17 Dec 2018 18:58

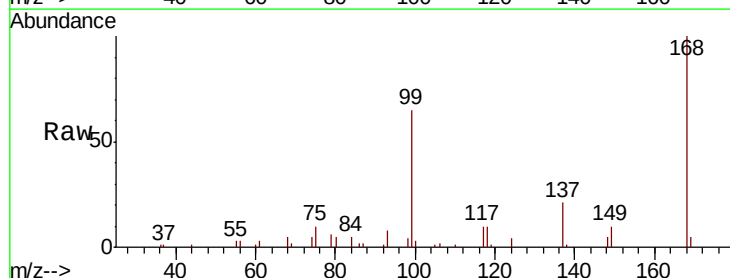
Tgt Ion: 75 Resp: 1316

Ion Ratio Lower Upper

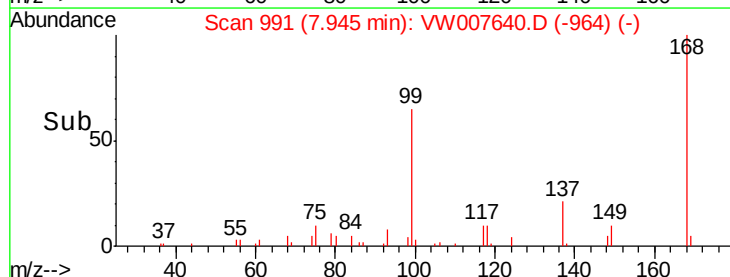
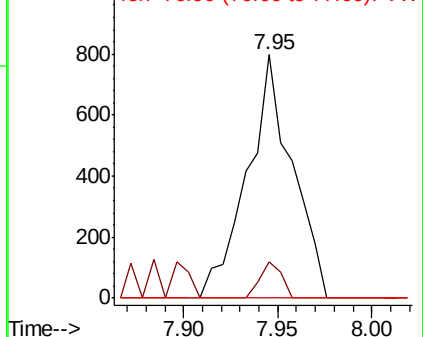
75 100

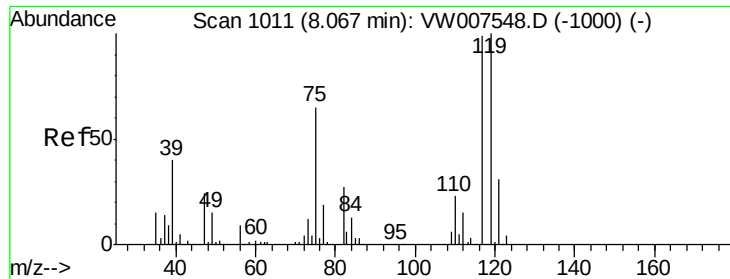
110 7.1 18.5 55.5#

77 0.0 25.6 38.4#



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: 6.367 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW007640.D

Acq: 17 Dec 2018 18:58

Instrument :

MSVOA_W

ClientSampled :

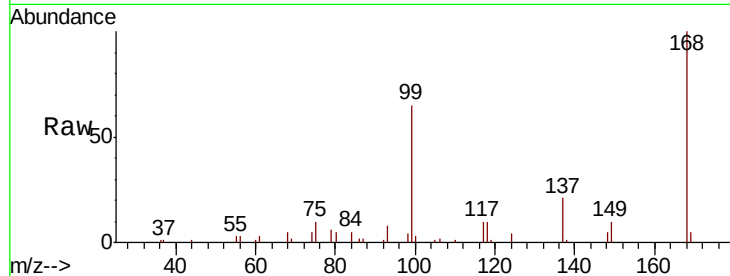
Tot Ion:117 Resp: 1896

Ion Ratio Lower Upper

117 100

119 7.6 74.3 111.5#

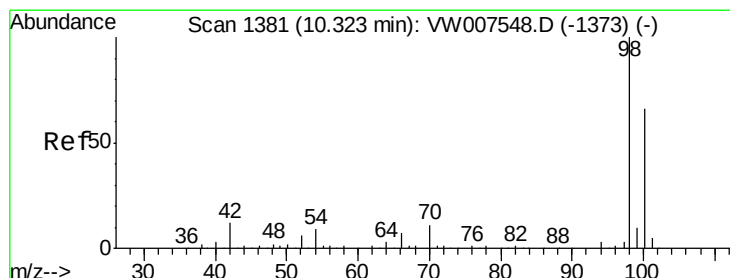
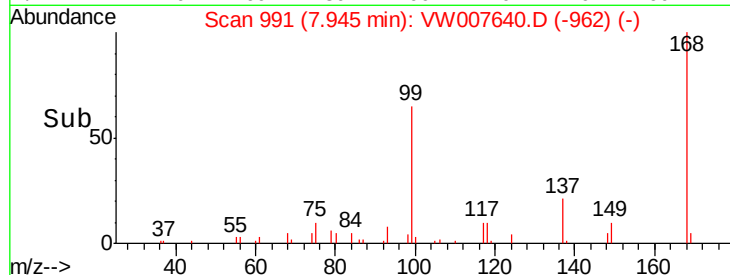
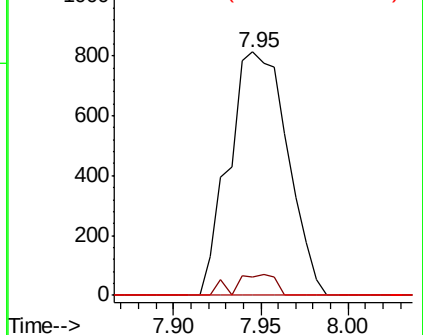
121 0.0 24.3 36.5#



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: 44.963 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007640.D

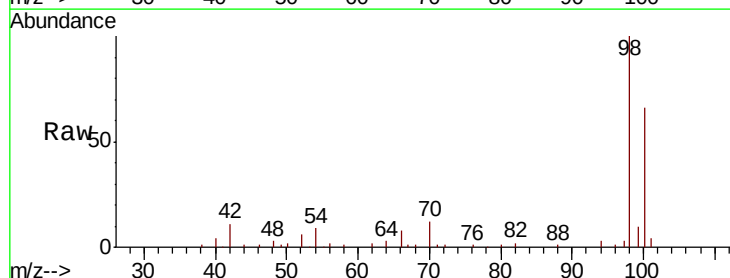
Acq: 17 Dec 2018 18:58

Tgt Ion: 98 Resp: 30618

Ion Ratio Lower Upper

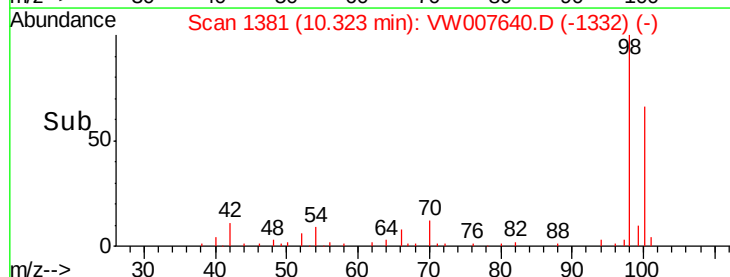
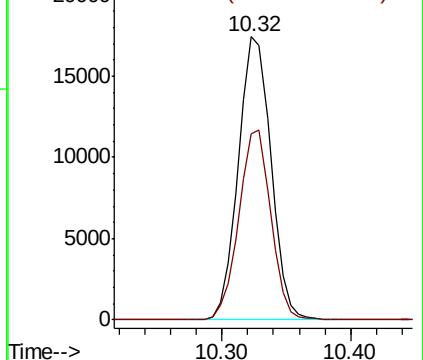
98 100

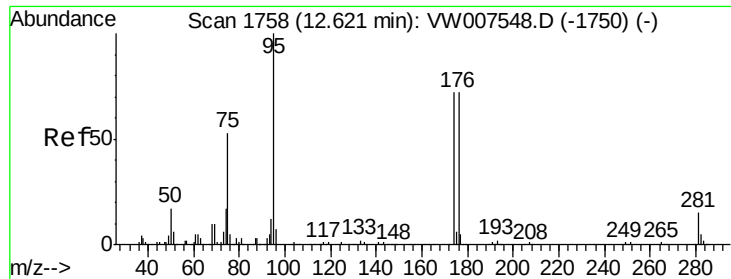
100 65.8 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

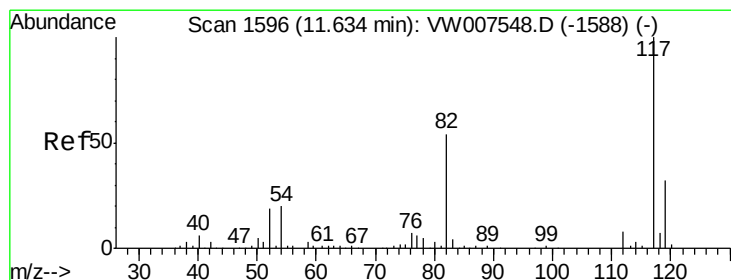
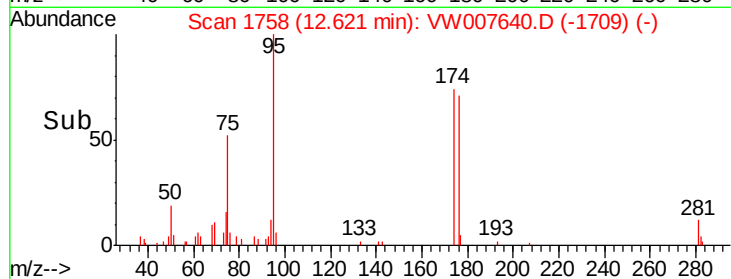
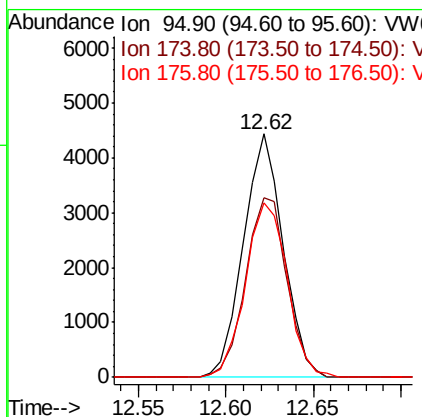
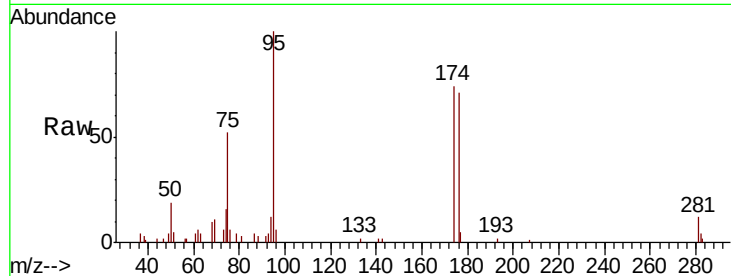




#62
4-Bromofluorobenzene
Concen: 27.879 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007640.D
Acq: 17 Dec 2018 18:58

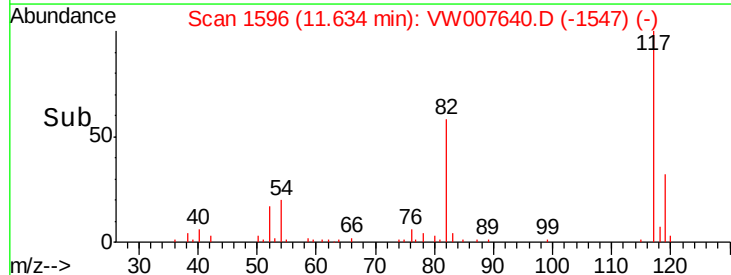
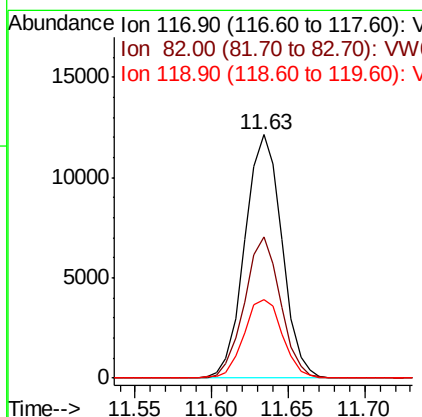
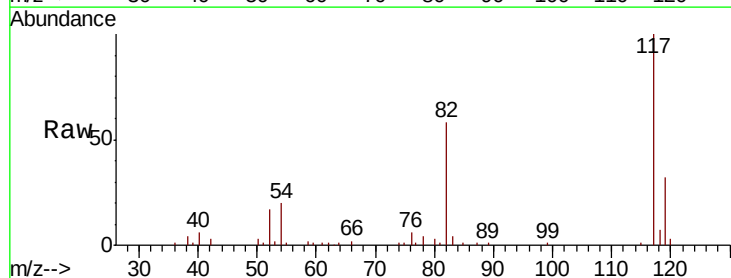
Instrument :
MSVOA_W
ClientSampleId :

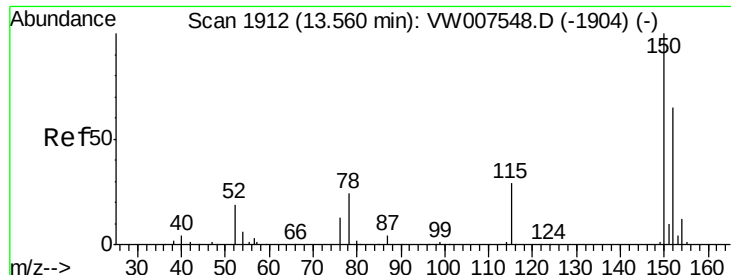
Tot Ion: 95 Resp: 6980
Ion Ratio Lower Upper
95 100
174 77.2 0.0 147.2
176 75.5 0.0 138.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007640.D
Acq: 17 Dec 2018 18:58

Tgt Ion: 117 Resp: 20477
Ion Ratio Lower Upper
117 100
82 57.7 42.3 63.5
119 32.3 23.0 34.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007640.D

Acq: 17 Dec 2018 18:58

Instrument :

MSVOA_W

ClientSampleId :

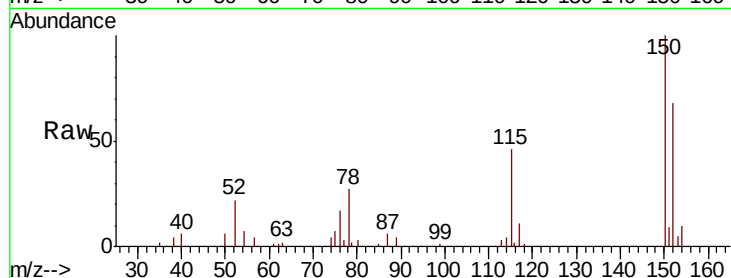
Tot Ion:152 Resp: 5159

Ion Ratio Lower Upper

152 100

115 60.7 31.4 94.2

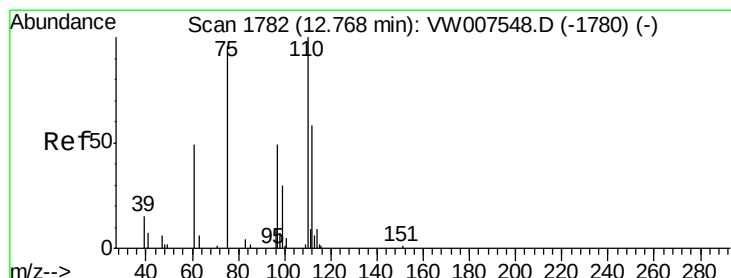
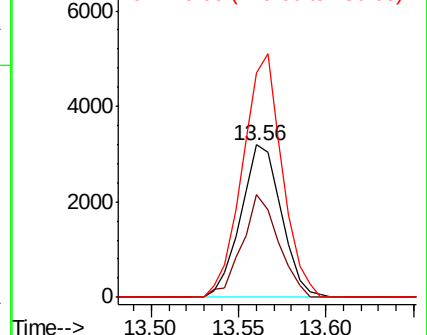
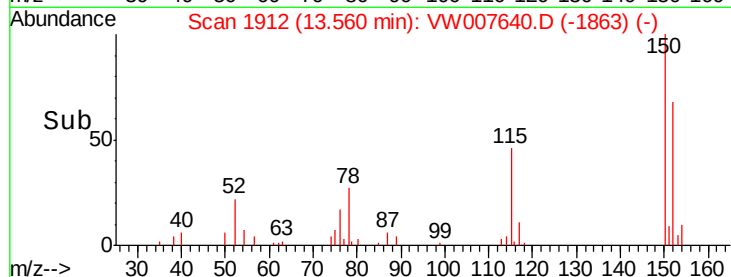
150 154.7 0.0 358.4



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: 87.711 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007640.D

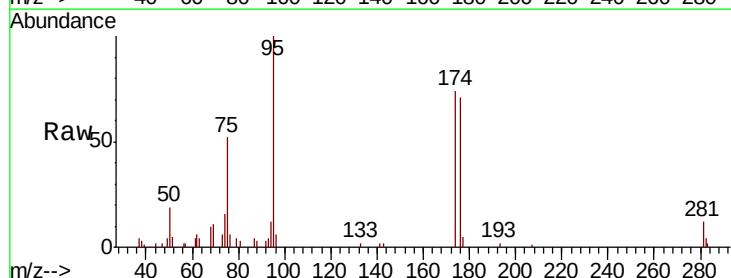
Acq: 17 Dec 2018 18:58

Tgt Ion: 75 Resp: 3731

Ion Ratio Lower Upper

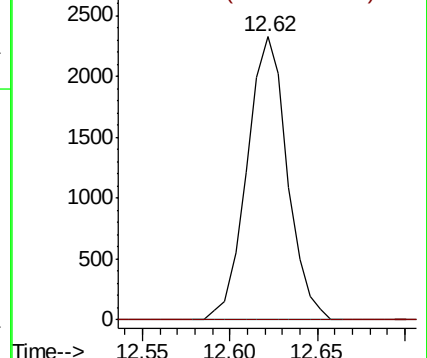
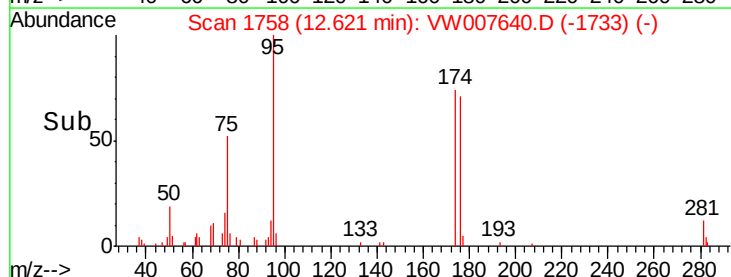
75 100

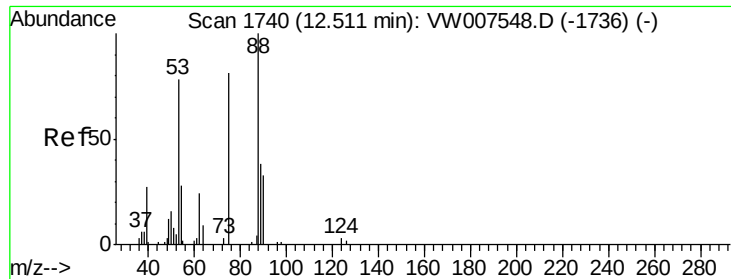
77 0.0 166.9 500.8#



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: 193.754 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW007640.D
 Acq: 17 Dec 2018 18:58

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 3731
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.9 127.3#
 89 0.0 40.3 60.5#

