

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013192.D
 Acq On : 20 Sep 2019 19:43
 Operator : SY/VA
 Sample : K4825-13RE
 Misc : 5.94G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 04:54:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

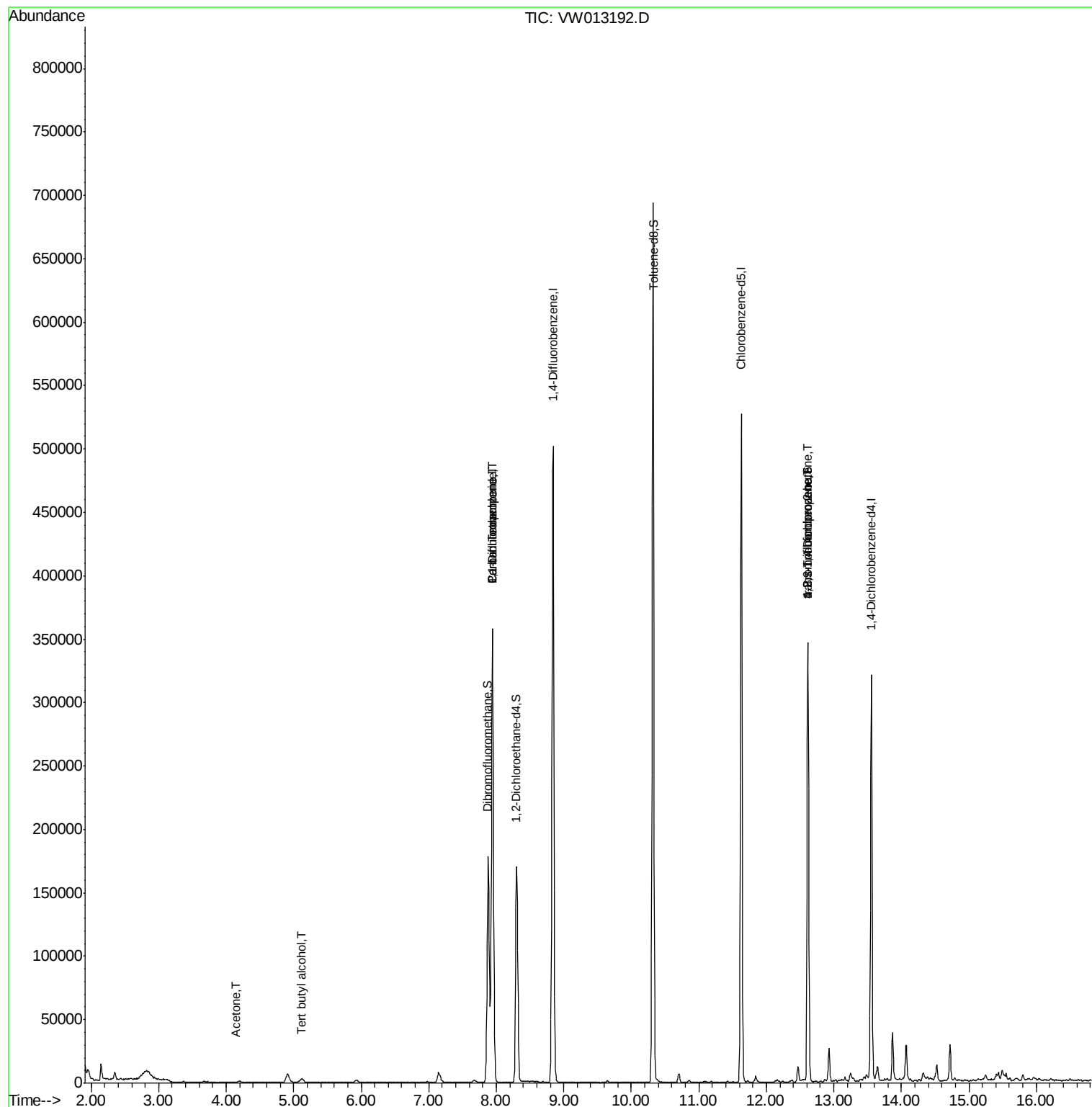
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	296550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	445653	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	308024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	91407	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	135741	56.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.16%	
35) Dibromofluoromethane	7.88	113	128688	52.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.00%	
50) Toluene-d8	10.32	98	473120	46.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.24%	
62) 4-Bromofluorobenzene	12.62	95	113495	32.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	64.78%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.11	59	2813	6.291	ug/l #	73
16) Acetone	4.14	43	547	1.002	ug/l #	26
20) Methylene Chloride	4.91	84	5558	Below Cal		94
26) 2,2-Dichloropropane	7.15	77	511	Below Cal	#	52
36) 1,1-Dichloropropene	7.94	75	19078	4.420	ug/l #	49
38) Carbon Tetrachloride	7.95	117	25722	6.648	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	53734	66.565	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	53734	149.365	ug/l #	12

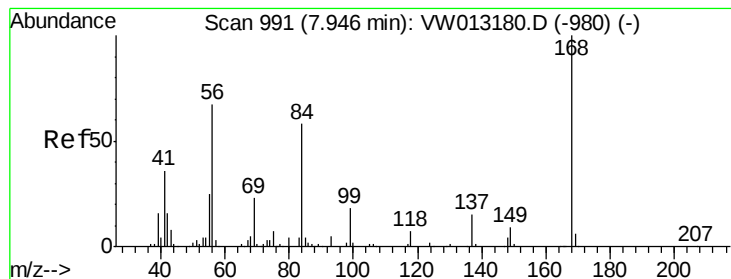
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 20 15:58:08 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: VW013192.D

Acq: 20 Sep 2019 19:43

Instrument :

MSVOA_W

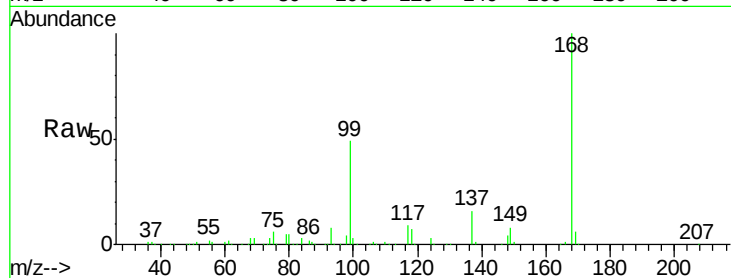
ClientSampleId :

Tot Ion:168 Resp: 296550

Ion Ratio Lower Upper

168 100

99 48.7 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

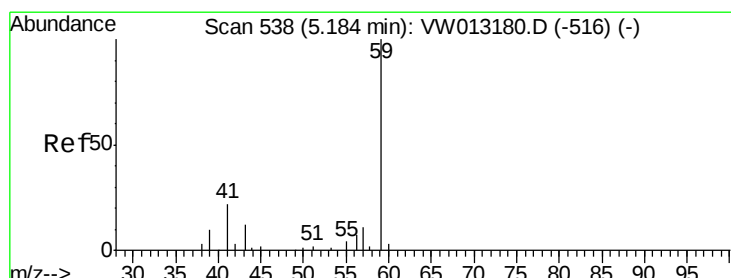
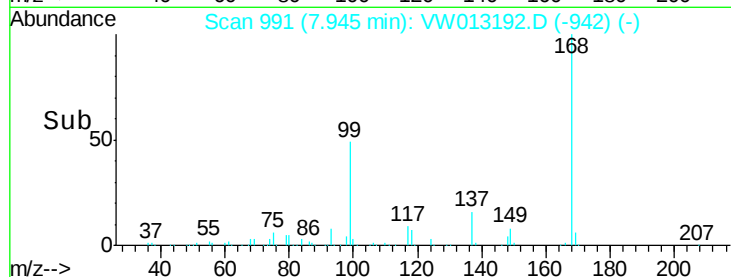
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 6.291 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.07 min

Lab File: VW013192.D

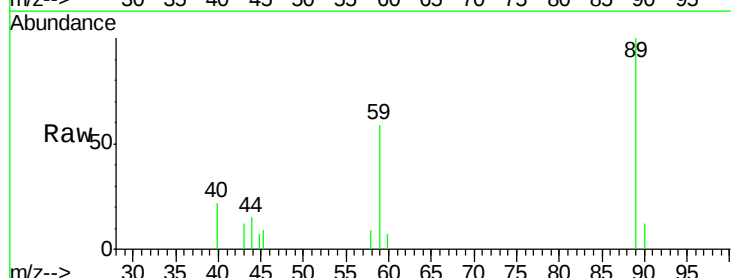
Acq: 20 Sep 2019 19:43

Tgt Ion: 59 Resp: 2813

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.11

800

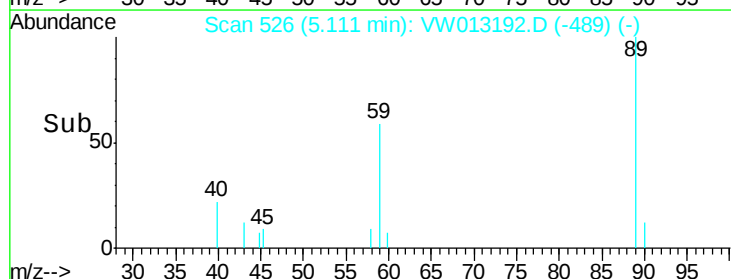
600

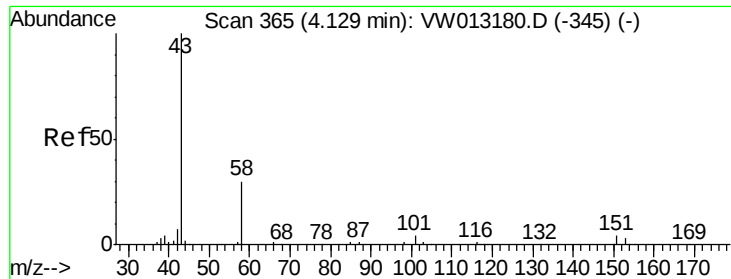
400

200

0

Time--> 5.00 5.10 5.20





#16

Acetone

Concen: 1.002 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW013192.D

Acq: 20 Sep 2019 19:43

Instrument :

MSVOA_W

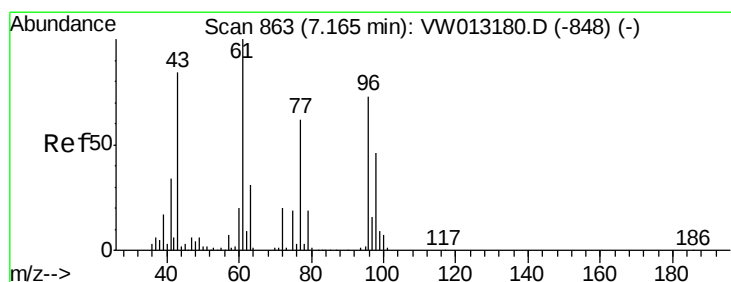
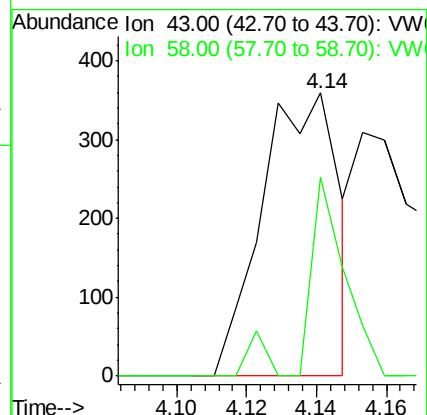
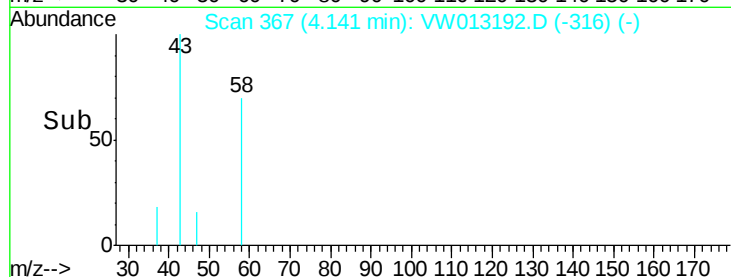
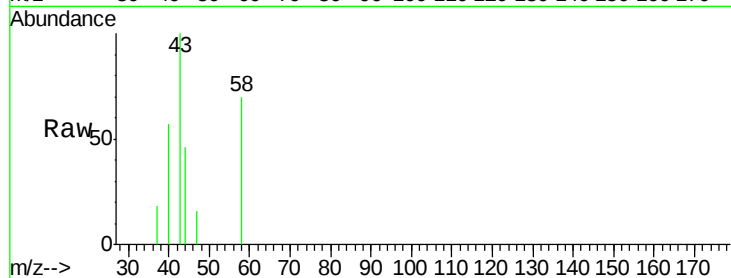
ClientSampled :

Tot Ion: 43 Resp: 547

Ion Ratio Lower Upper

43 100

58 70.2 24.1 36.1#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW013192.D

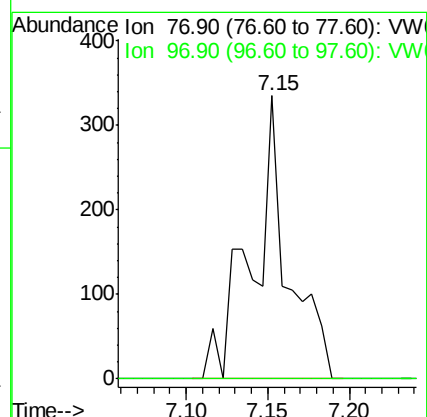
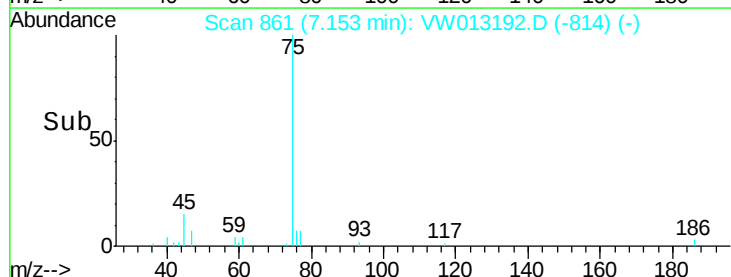
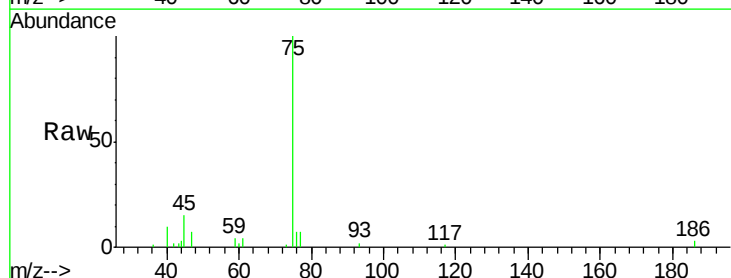
Acq: 20 Sep 2019 19:43

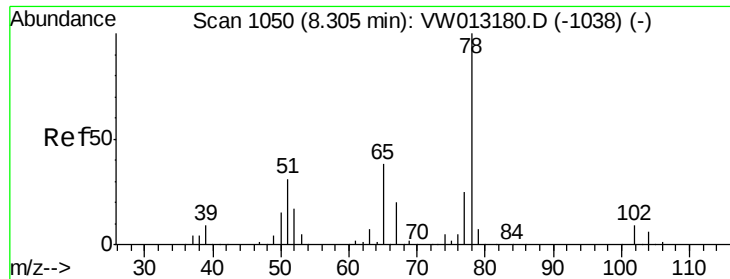
Tgt Ion: 77 Resp: 511

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#

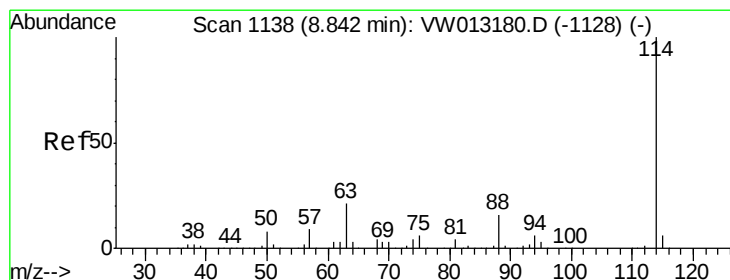
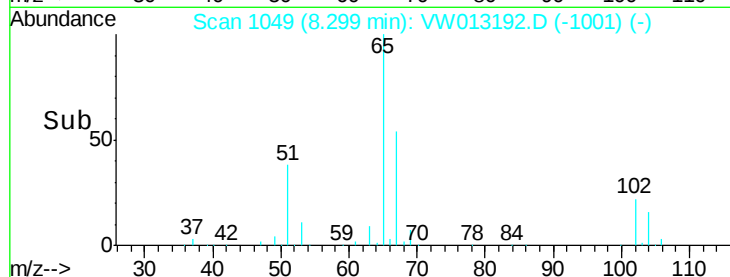
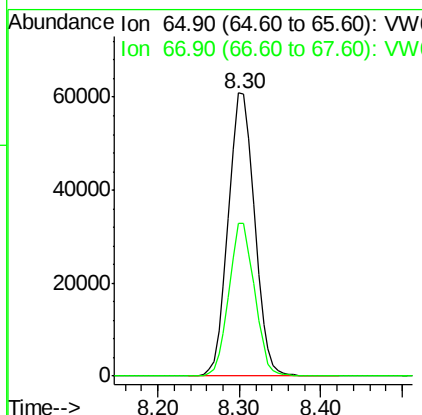
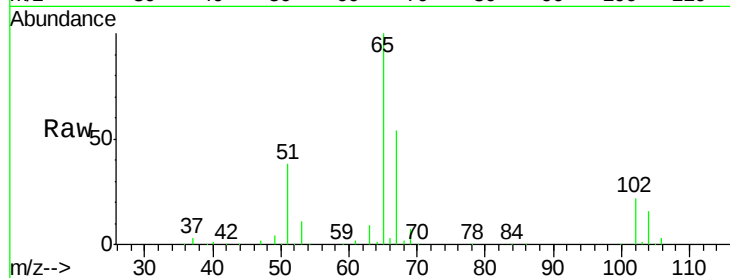




#33
 1,2-Dichloroethane-d4
 Concen: 56.085 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013192.D
 Acq: 20 Sep 2019 19:43

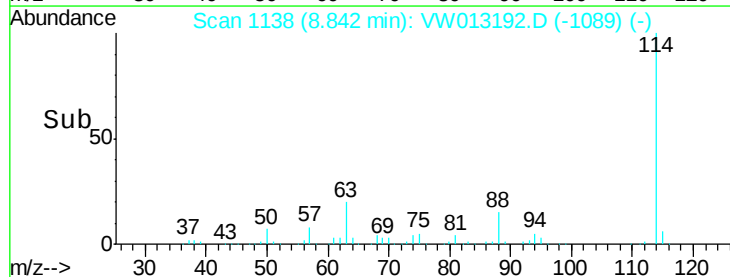
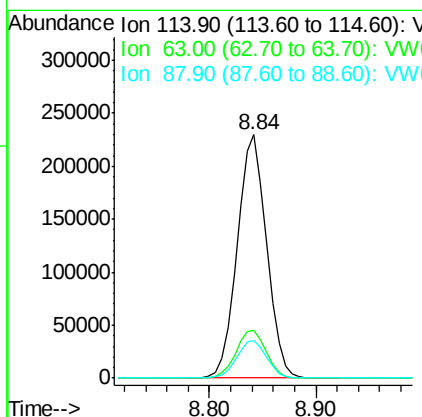
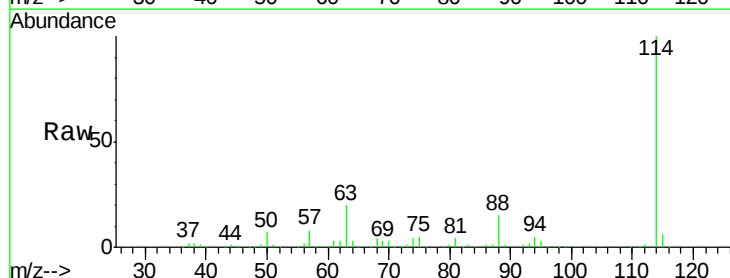
Instrument :
 MSVOA_W
 ClientSampleId :

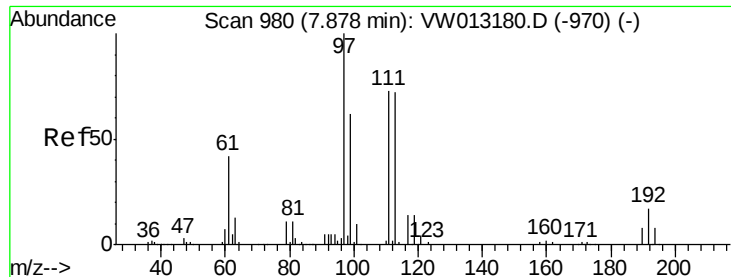
Tot Ion: 65 Resp: 135741
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013192.D
 Acq: 20 Sep 2019 19:43

Tgt Ion: 114 Resp: 445653
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 41.4
 88 15.4 0.0 32.0

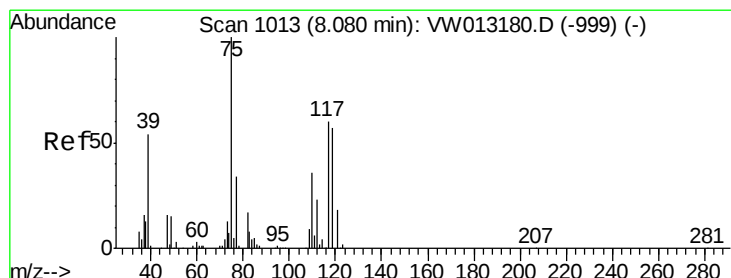
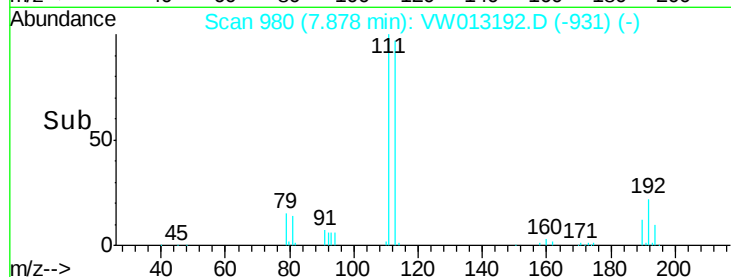
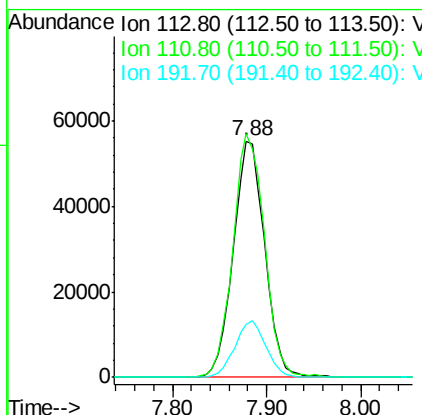
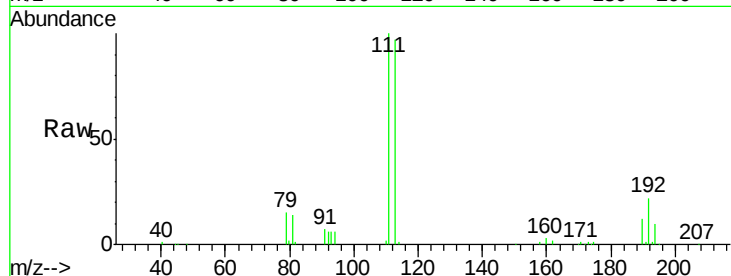




#35
 Dibromofluoromethane
 Concen: 52.502 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013192.D
 Acq: 20 Sep 2019 19:43

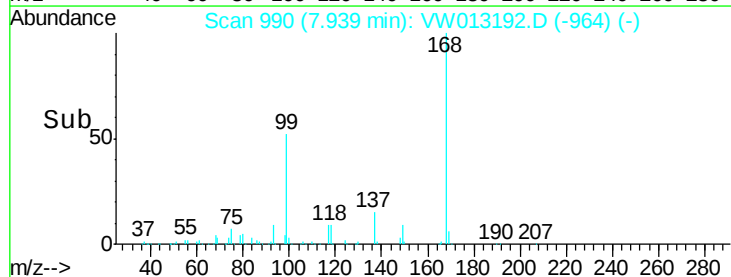
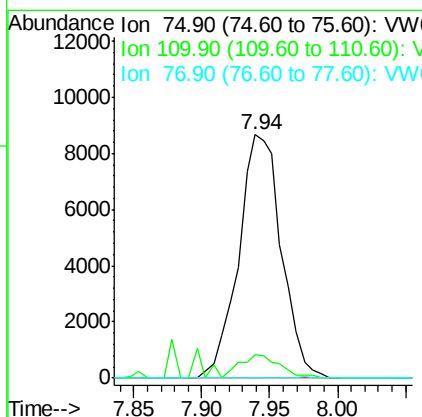
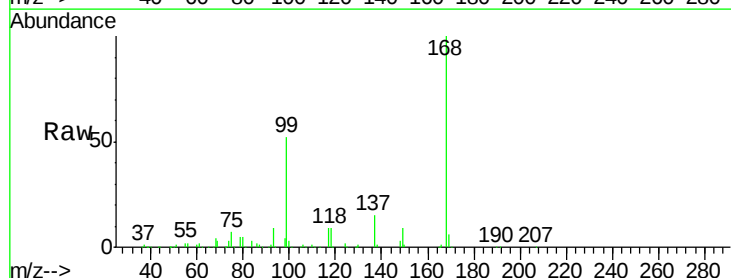
Instrument :
 MSVOA_W
 ClientSampleId :

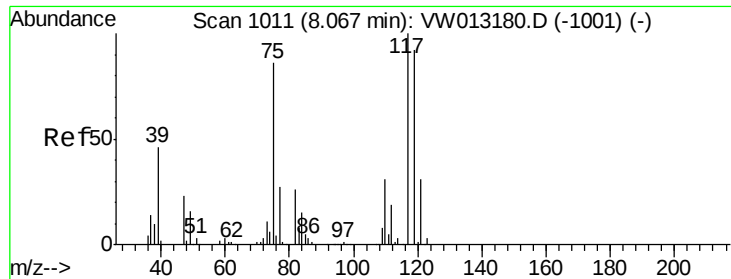
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.9	122.9
192	23.6	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 4.420 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013192.D
 Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.3#
77	0.0	25.8	38.6#





#38

Carbon Tetrachloride

Concen: 6.648 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013192.D

Acq: 20 Sep 2019 19:43

Instrument :

MSVOA_W

ClientSampleId :

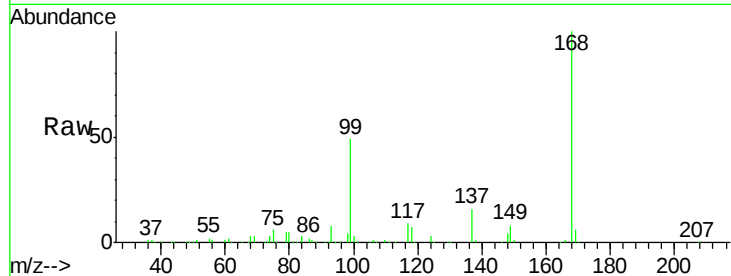
Tot Ion:117 Resp: 25722

Ion Ratio Lower Upper

117 100

119 4.1 73.5 110.3#

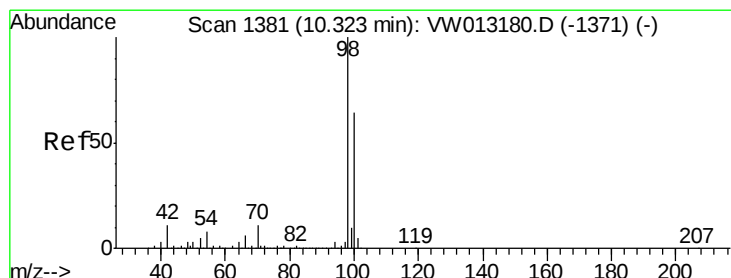
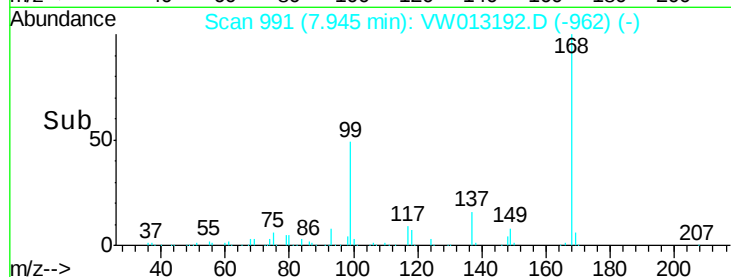
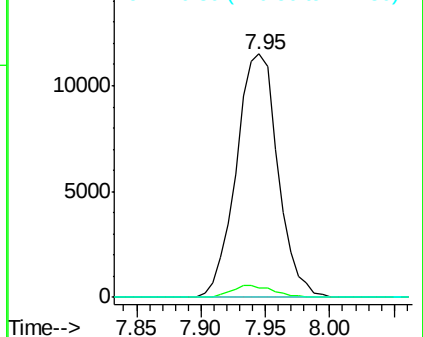
121 0.0 25.0 37.6#



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



#50

Toluene-d8

Concen: 46.121 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013192.D

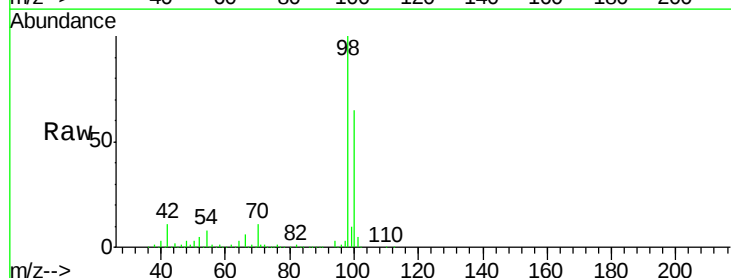
Acq: 20 Sep 2019 19:43

Tgt Ion: 98 Resp: 473120

Ion Ratio Lower Upper

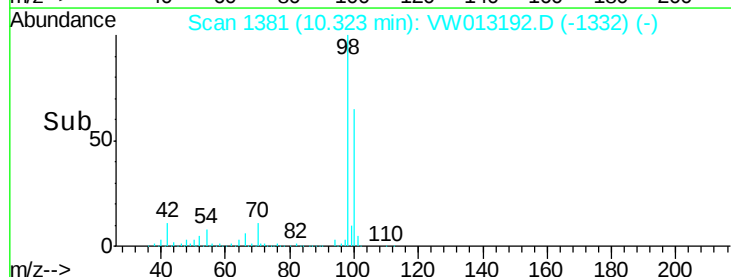
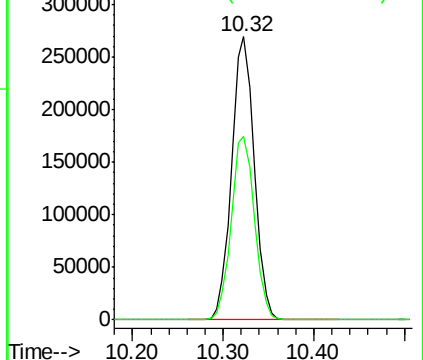
98 100

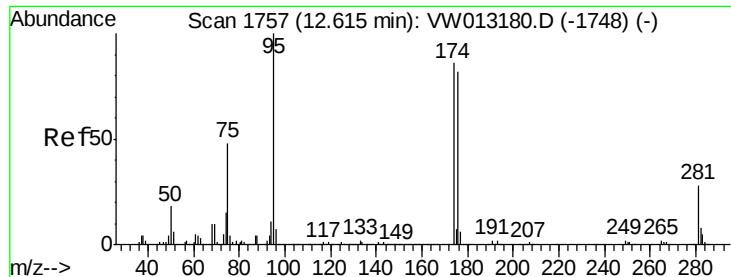
100 66.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 32.389 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013192.D

Acq: 20 Sep 2019 19:43

Instrument :

MSVOA_W

ClientSampleId :

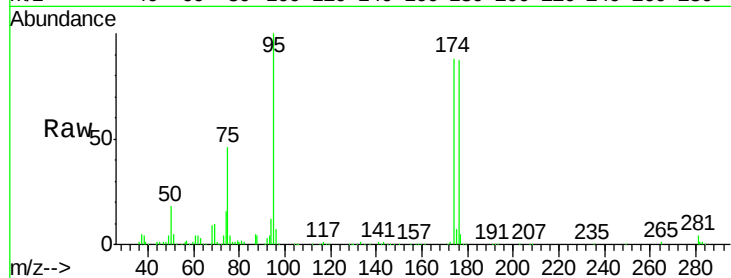
Tot Ion: 95 Resp: 113495

Ion Ratio Lower Upper

95 100

174 90.1 0.0 178.4

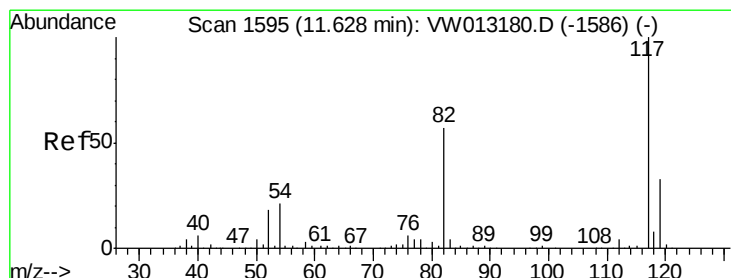
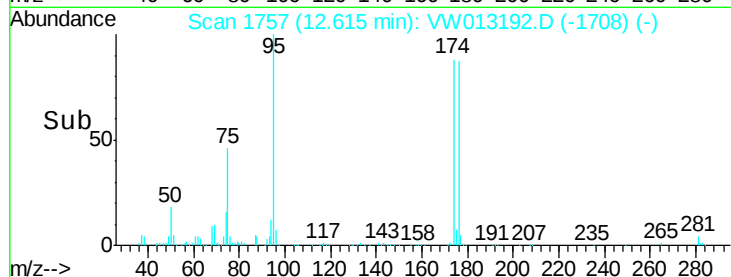
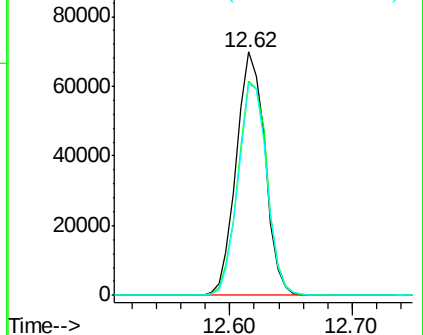
176 87.1 0.0 172.2



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: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VW013192.D

Acq: 20 Sep 2019 19:43

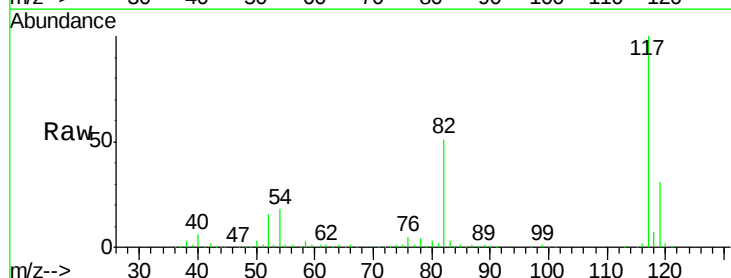
Tgt Ion: 117 Resp: 308024

Ion Ratio Lower Upper

117 100

82 51.0 45.9 68.9

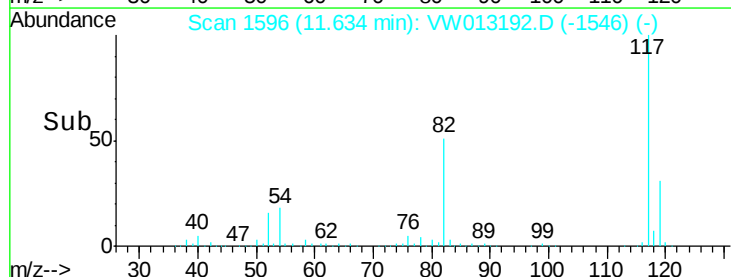
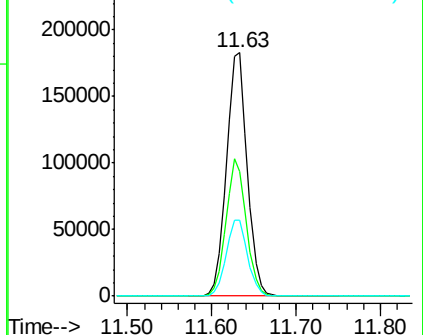
119 31.1 26.2 39.2

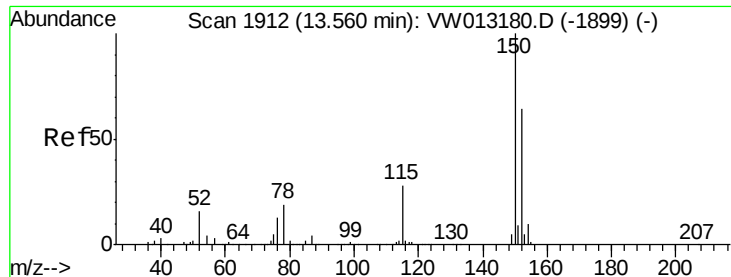


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013192.D

Acq: 20 Sep 2019 19:43

Instrument :

MSVOA_W

ClientSampleId :

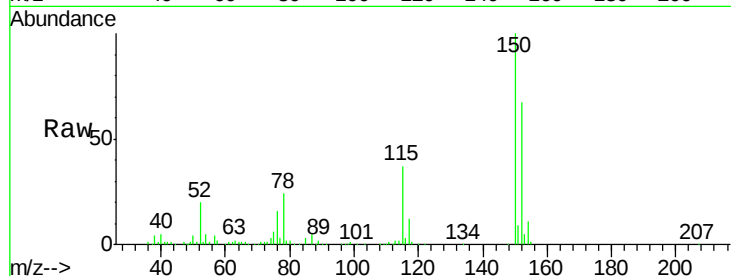
Tot Ion:152 Resp: 91407

Ion Ratio Lower Upper

152 100

115 55.5 27.3 81.9

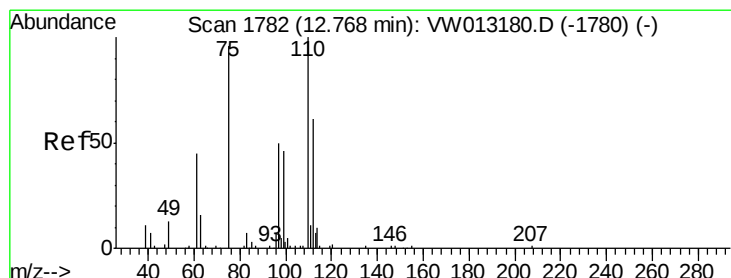
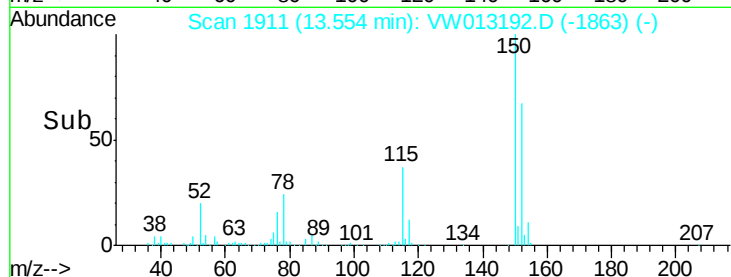
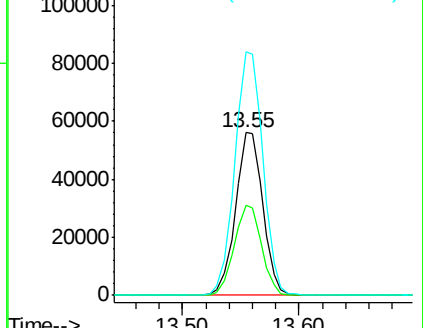
150 154.3 0.0 349.0



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: 66.565 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013192.D

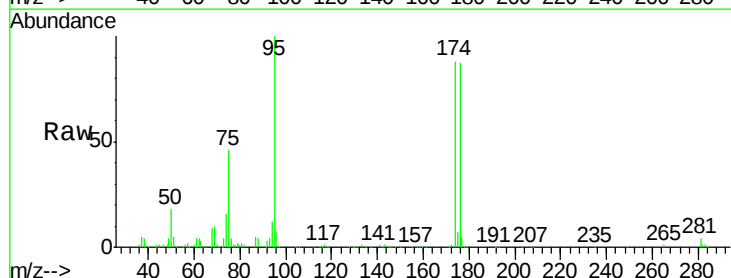
Acq: 20 Sep 2019 19:43

Tgt Ion: 75 Resp: 53734

Ion Ratio Lower Upper

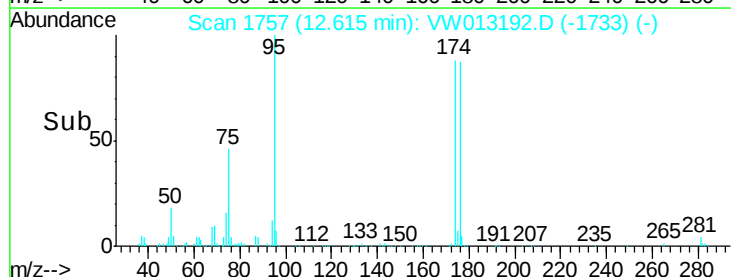
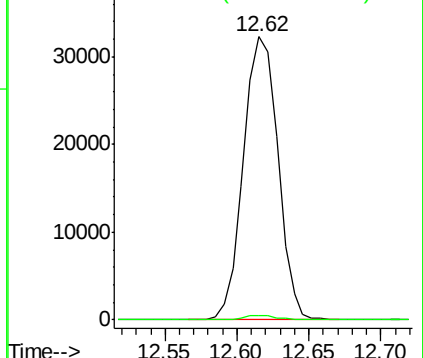
75 100

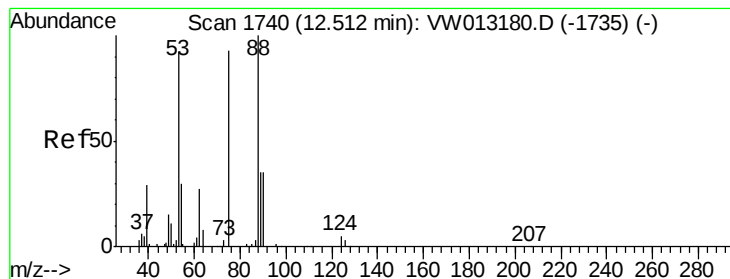
77 1.5 0.0 0.0#



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: 149.365 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

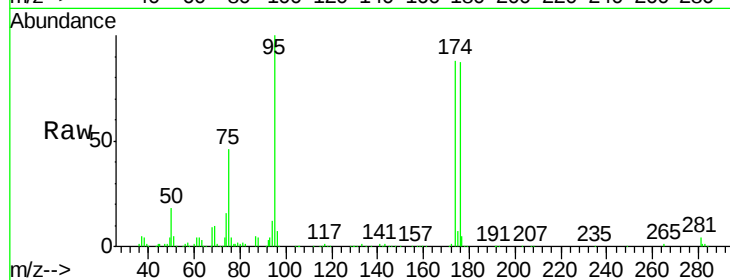
Lab File: VW013192.D

Acq: 20 Sep 2019 19:43

Instrument :

MSVOA_W

ClientSampleId :



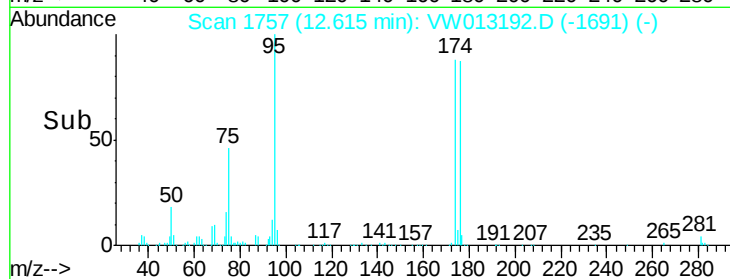
Tot Ion: 75 Resp: 53734

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.0 33.5 50.3#



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

