

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013204.D
 Acq On : 21 Sep 2019 01:21
 Operator : SY/VA
 Sample : K4918-11
 Misc : 4.47G/5ML/MSVOA W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 04:56:58 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	7.94	168	302743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	453990	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	326139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	94209	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	125572	50.82	ug/l	0.00
Spiked Amount						
			Recovery	=	101.64%	
35) Dibromofluoromethane	7.88	113	125176	50.13	ug/l	0.00
Spiked Amount						
			Recovery	=	100.26%	
50) Toluene-d8	10.32	98	488608	46.76	ug/l	0.00
Spiked Amount						
			Recovery	=	93.52%	
62) 4-Bromofluorobenzene	12.62	95	121546	34.05	ug/l	0.00
Spiked Amount						
			Recovery	=	68.10%	

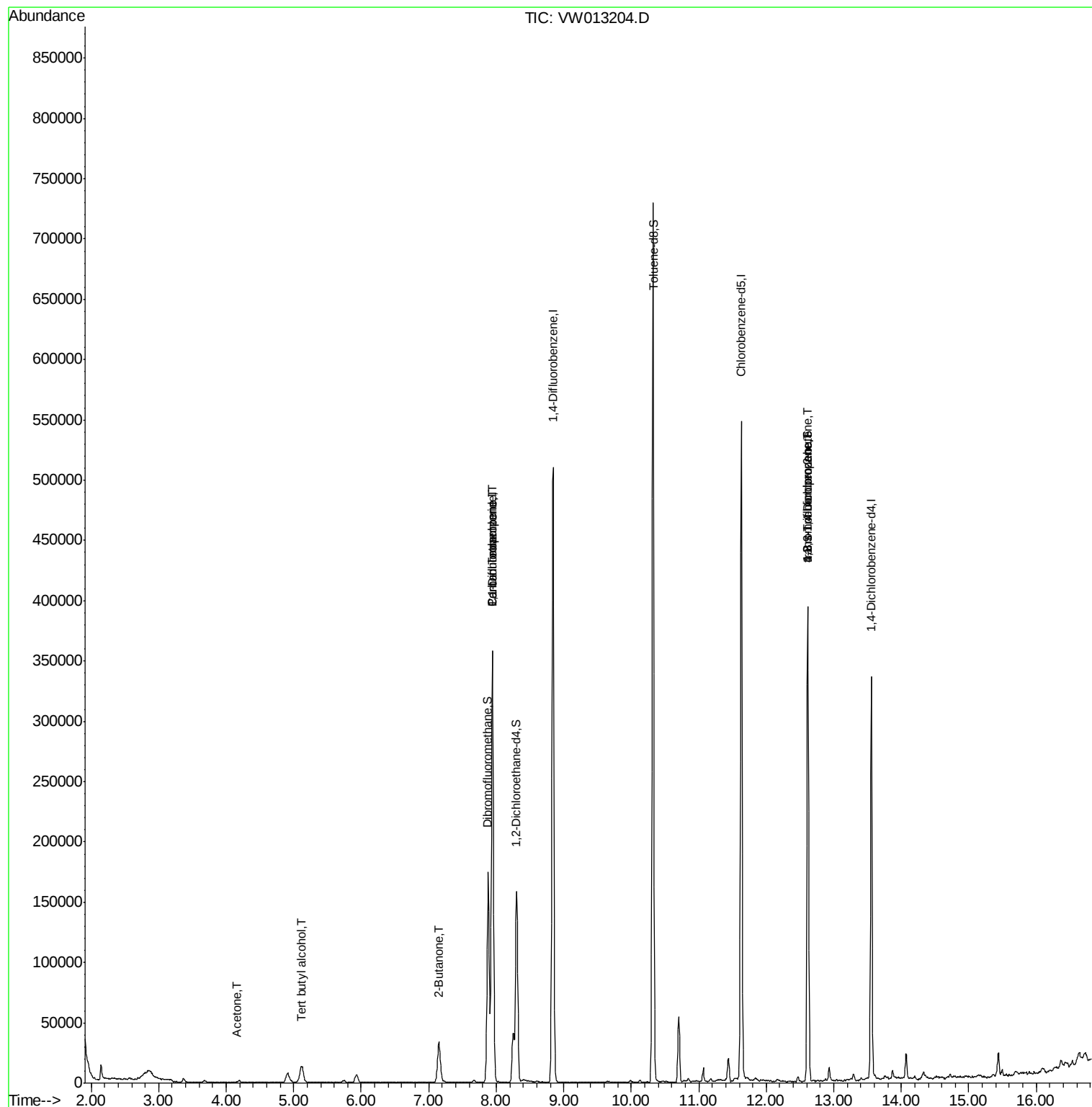
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	14054	71.810	ug/l #	73
16) Acetone	4.16	43	1471	2.640	ug/l	93
20) Methylene Chloride	4.90	84	6157	Below Cal	#	93
25) 2-Butanone	7.15	43	2075	2.481	ug/l #	51
26) 2,2-Dichloropropane	7.15	77	2544	Below Cal	#	52
36) 1,1-Dichloropropene	7.94	75	19858	4.516	ug/l #	48
38) Carbon Tetrachloride	7.94	117	25828	6.552	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	57600	69.232	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	57600	155.350	ug/l #	12

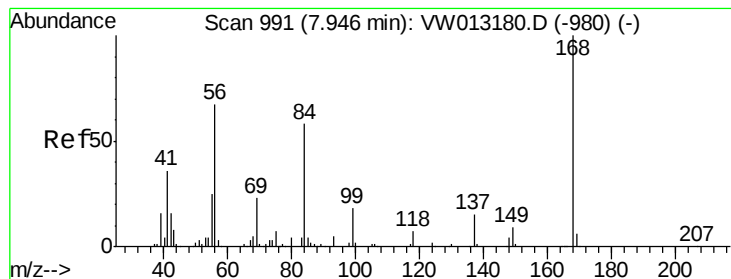
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013204.D

Acq: 21 Sep 2019 01:21

Instrument :

MSVOA_W

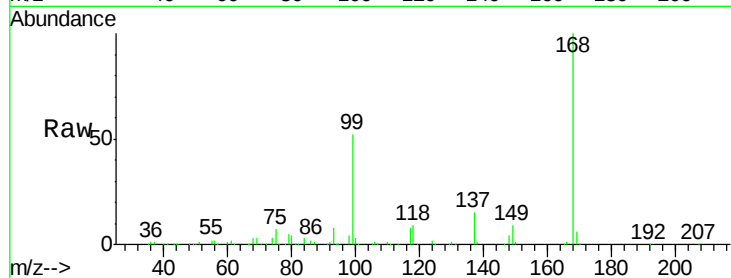
ClientSampleId :

Tot Ion:168 Resp: 302743

Ion Ratio Lower Upper

168 100

99 52.4 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

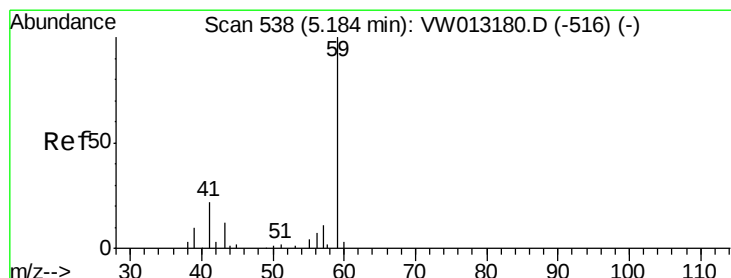
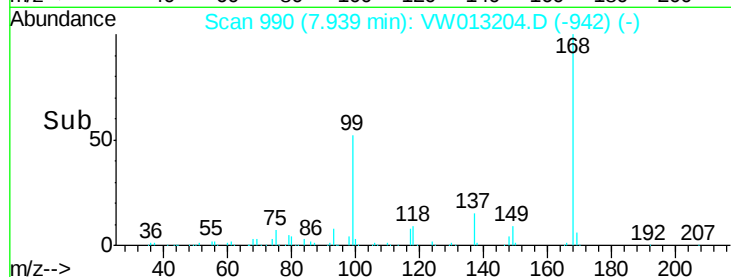
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 71.810 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.07 min

Lab File: VW013204.D

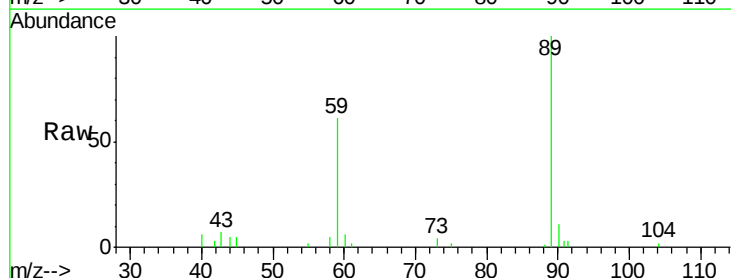
Acq: 21 Sep 2019 01:21

Tgt Ion: 59 Resp: 14054

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

5.12

4000

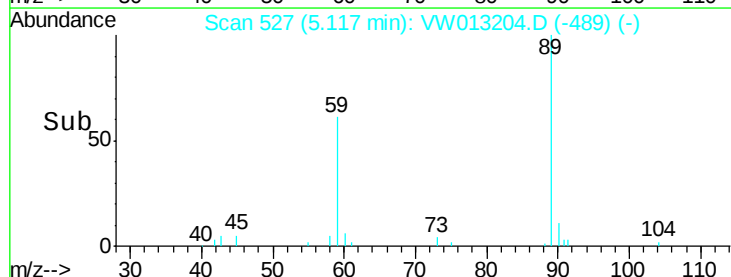
3000

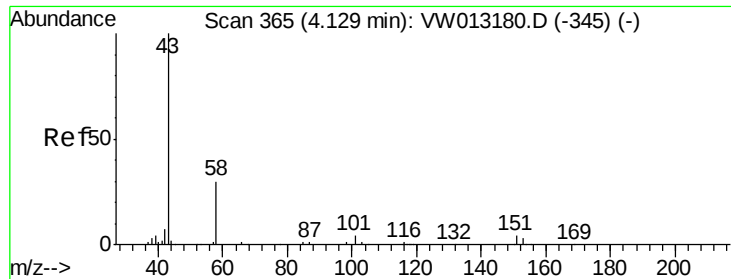
2000

1000

0

Time--> 5.00 5.10 5.20





#16

Acetone

Concen: 2.640 ug/l

RT: 4.16 min Scan# 370

Delta R.T. 0.03 min

Lab File: VW013204.D

Acq: 21 Sep 2019 01:21

Instrument :

MSVOA_W

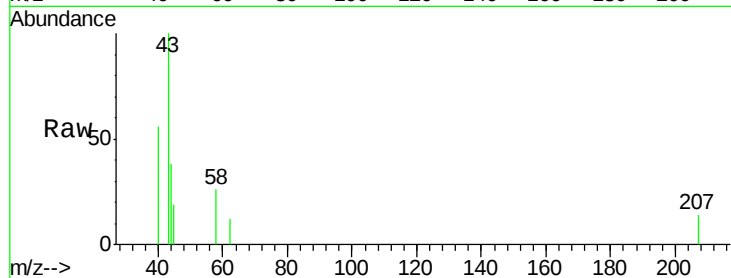
ClientSampled :

Tot Ion: 43 Resp: 1471

Ion Ratio Lower Upper

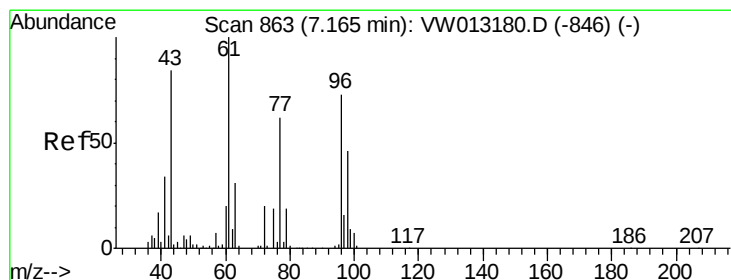
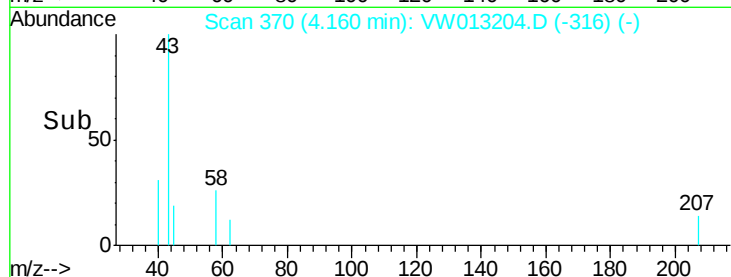
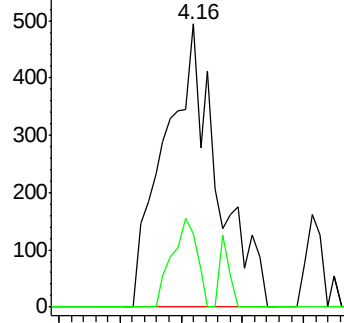
43 100

58 26.1 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#25

2-Butanone

Concen: 2.481 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW013204.D

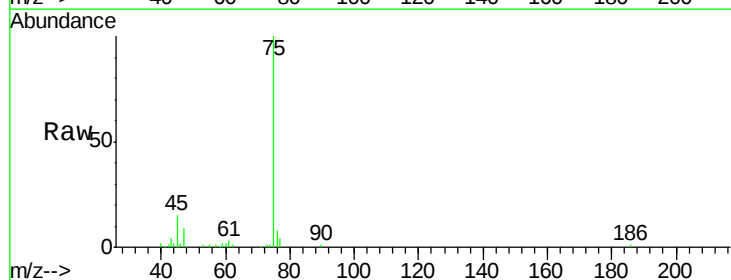
Acq: 21 Sep 2019 01:21

Tgt Ion: 43 Resp: 2075

Ion Ratio Lower Upper

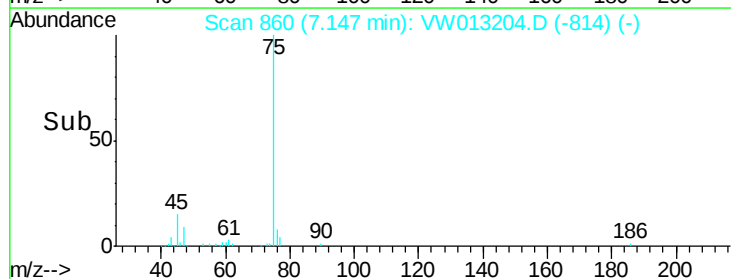
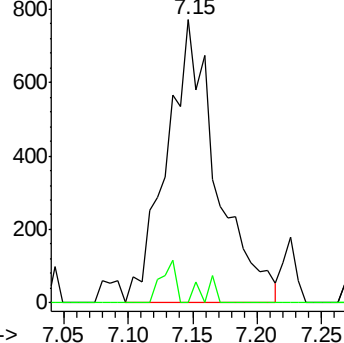
43 100

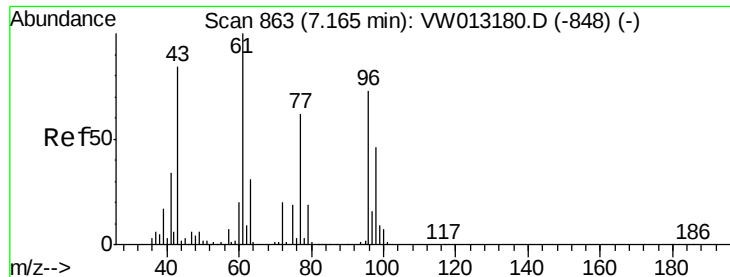
72 0.0 19.4 29.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW013204.D

Acq: 21 Sep 2019 01:21

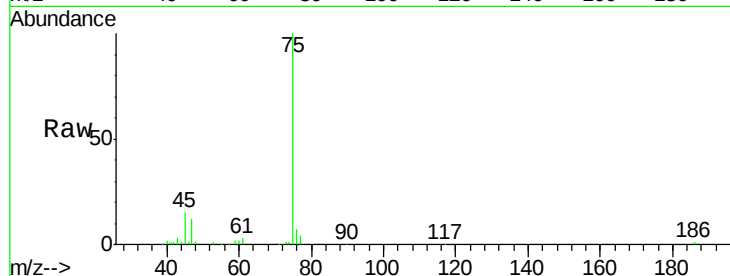
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 77 Resp: 2544

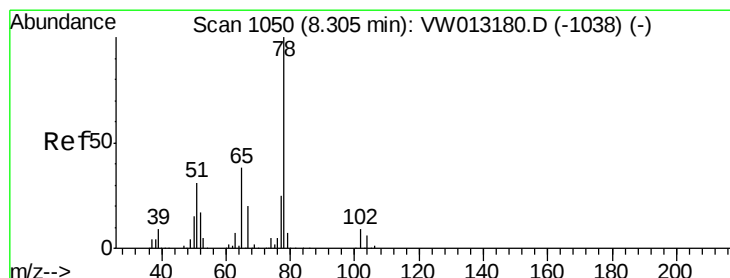
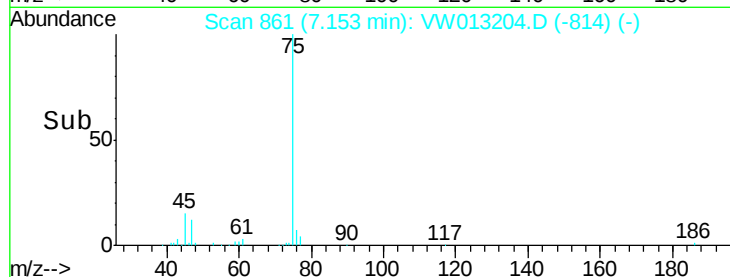
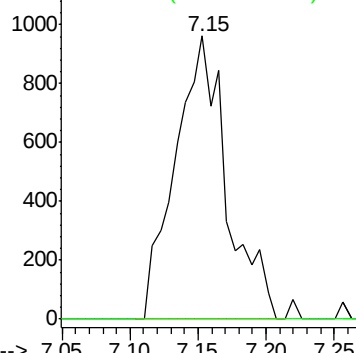
Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



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



#33

1,2-Dichloroethane-d4

Concen: 50.822 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013204.D

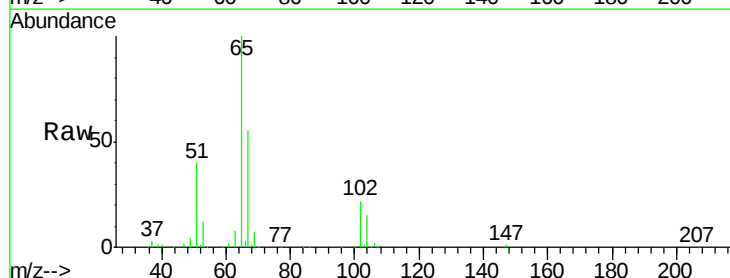
Acq: 21 Sep 2019 01:21

Tgt Ion: 65 Resp: 125572

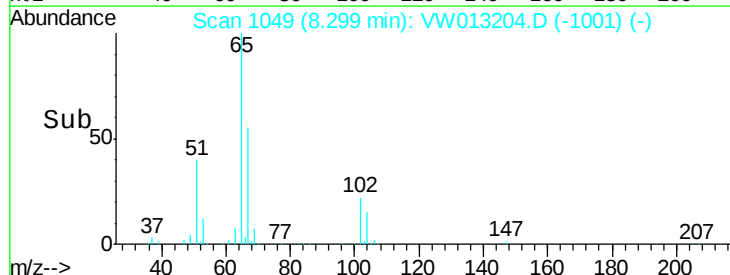
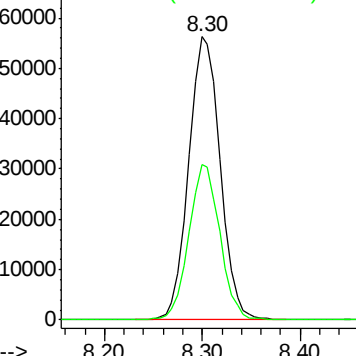
Ion Ratio Lower Upper

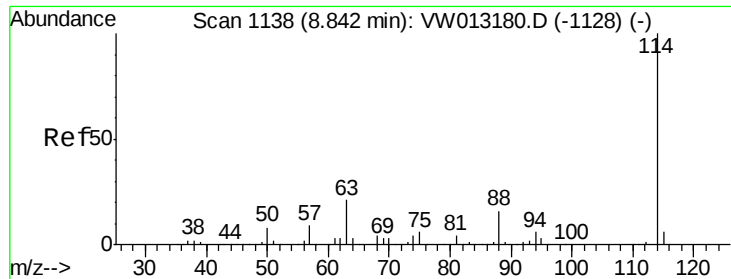
65 100

67 54.2 0.0 106.2



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013204.D

Acq: 21 Sep 2019 01:21

Instrument :

MSVOA_W

ClientSampleId :

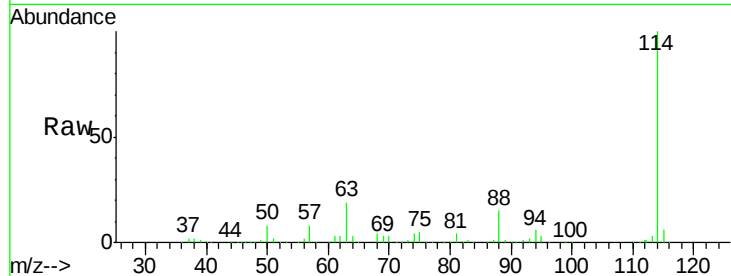
Tot Ion:114 Resp: 453990

Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.4

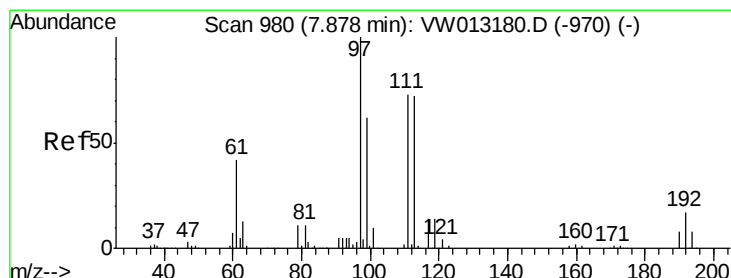
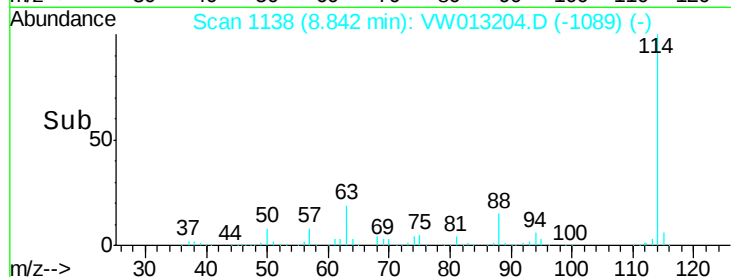
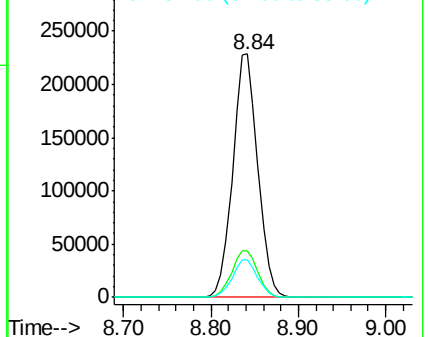
88 15.3 0.0 32.0



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: 50.132 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013204.D

Acq: 21 Sep 2019 01:21

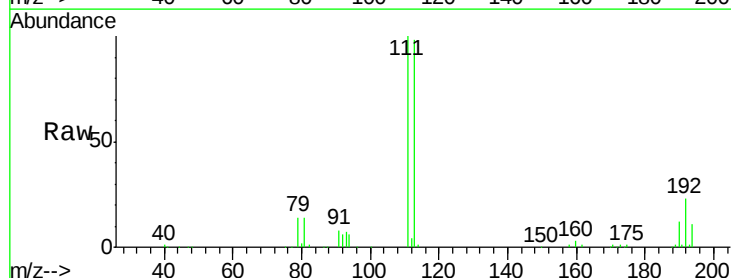
Tgt Ion:113 Resp: 125176

Ion Ratio Lower Upper

113 100

111 102.6 81.9 122.9

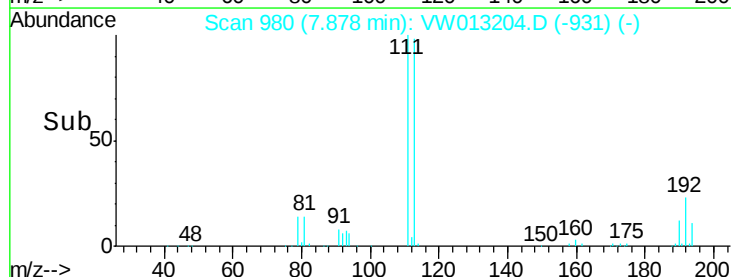
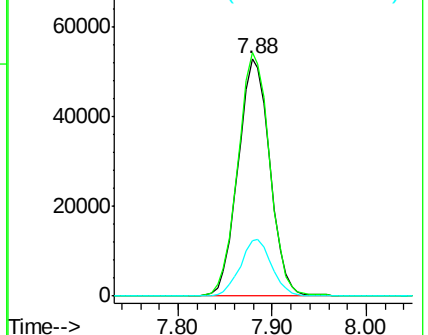
192 23.7 19.1 28.7

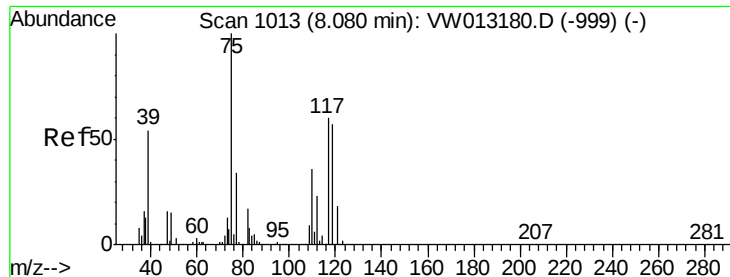


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

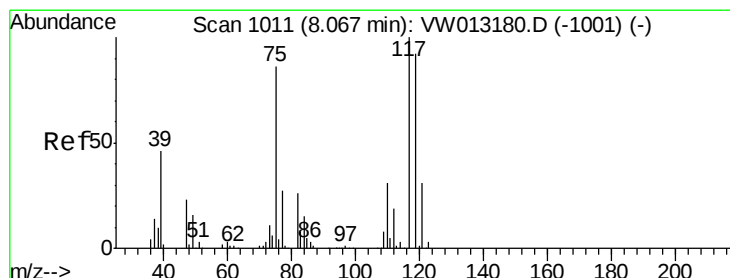
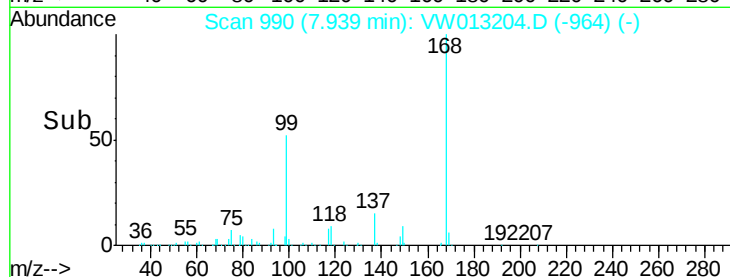
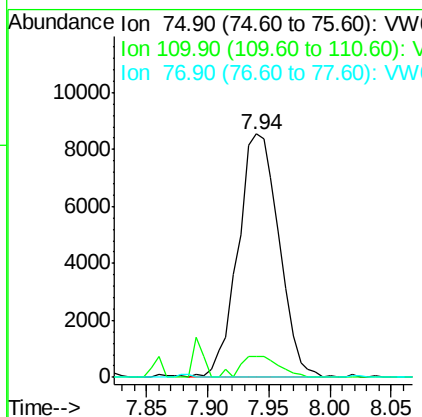
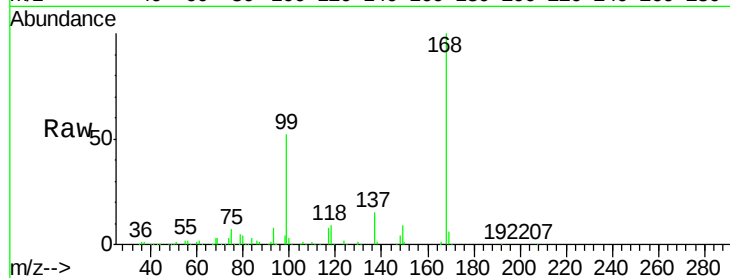




#36
 1,1-Dichloropropene
 Concen: 4.516 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013204.D
 Acq: 21 Sep 2019 01:21

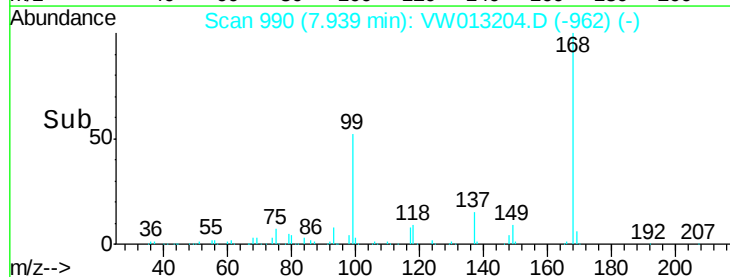
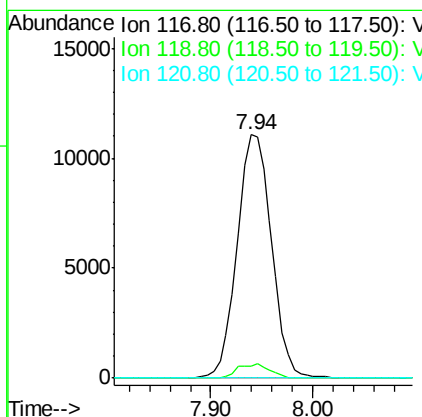
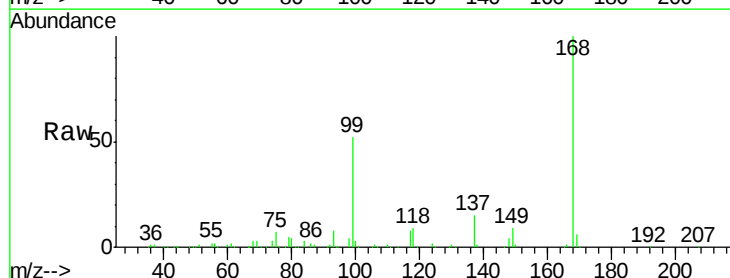
Instrument :
 MSVOA_W
 ClientSampled :

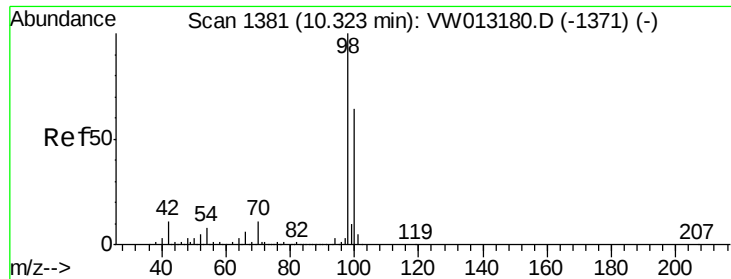
Tot Ion: 75 Resp: 19858
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.1 54.3#
 77 0.0 25.8 38.6#



#38
 Carbon Tetrachloride
 Concen: 6.552 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW013204.D
 Acq: 21 Sep 2019 01:21

Tgt Ion: 117 Resp: 25828
 Ion Ratio Lower Upper
 117 100
 119 4.8 73.5 110.3#
 121 0.0 25.0 37.6#





#50

Toluene-d8

Concen: 46.757 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013204.D

Acq: 21 Sep 2019 01:21

Instrument :

MSVOA_W

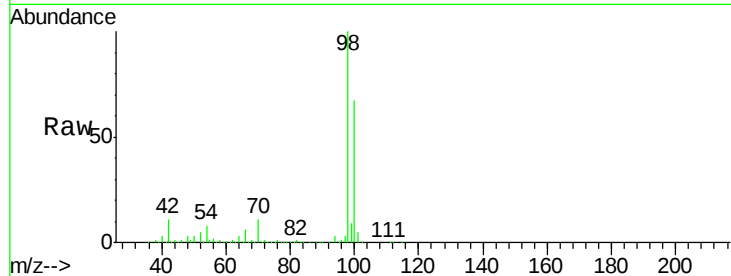
ClientSampleId :

Tot Ion: 98 Resp: 488608

Ion Ratio Lower Upper

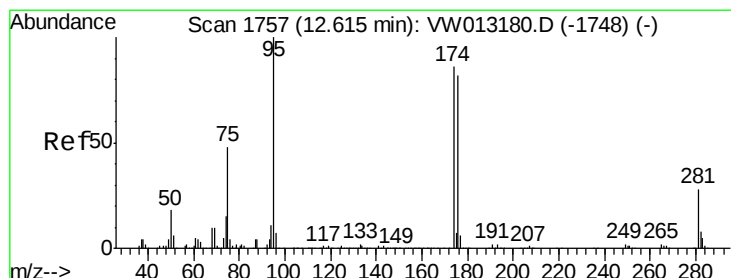
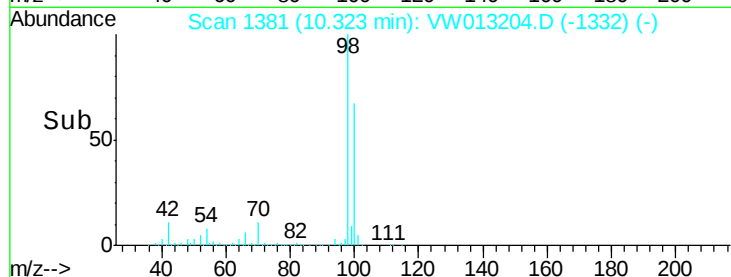
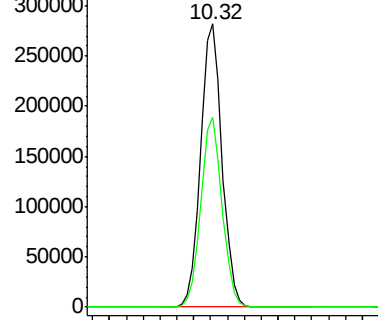
98 100

100 66.5 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: 34.050 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013204.D

Acq: 21 Sep 2019 01:21

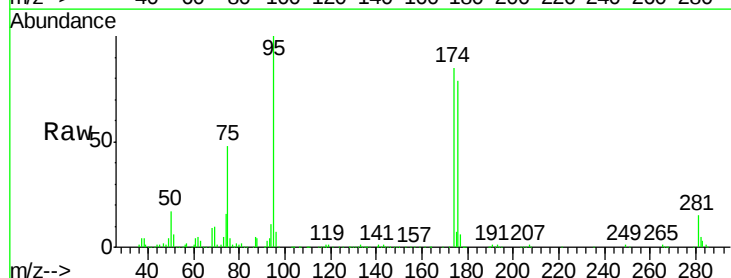
Tgt Ion: 95 Resp: 121546

Ion Ratio Lower Upper

95 100

174 89.1 0.0 178.4

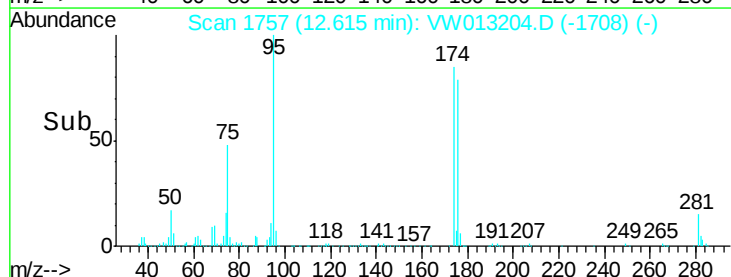
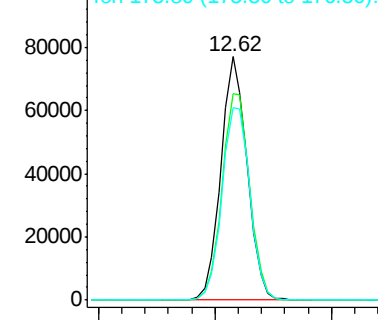
176 84.2 0.0 172.2

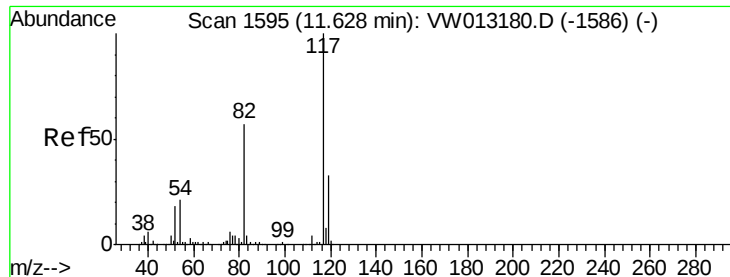


Abundance Ion 94.90 (94.60 to 95.60): VW

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# 1595

Delta R.T. -0.00 min

Lab File: VW013204.D

Acq: 21 Sep 2019 01:21

Instrument :

MSVOA_W

ClientSampleId :

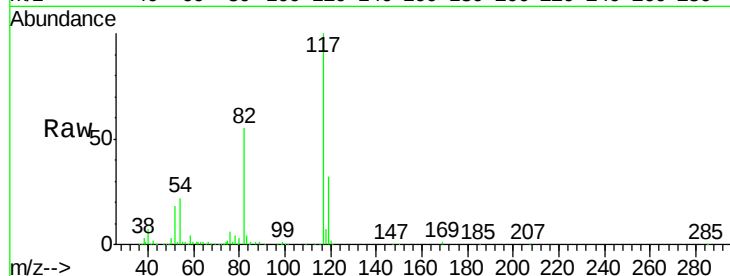
Tot Ion:117 Resp: 326139

Ion Ratio Lower Upper

117 100

82 55.4 45.9 68.9

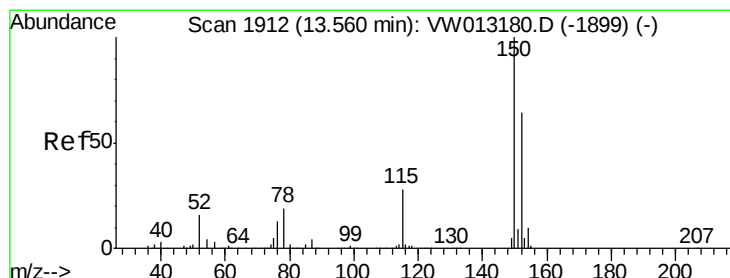
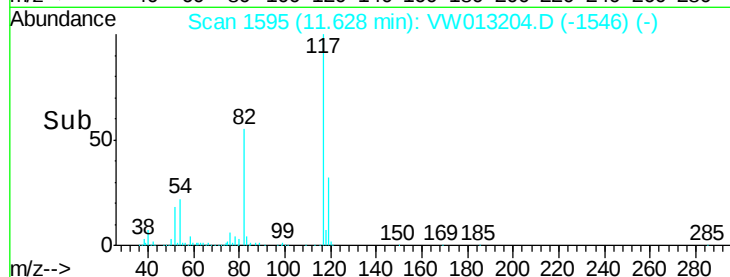
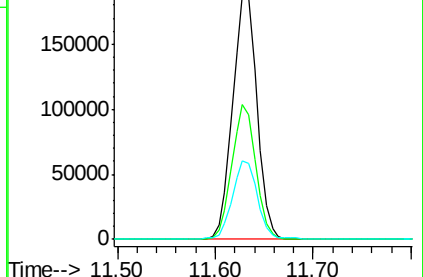
119 32.1 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013204.D

Acq: 21 Sep 2019 01:21

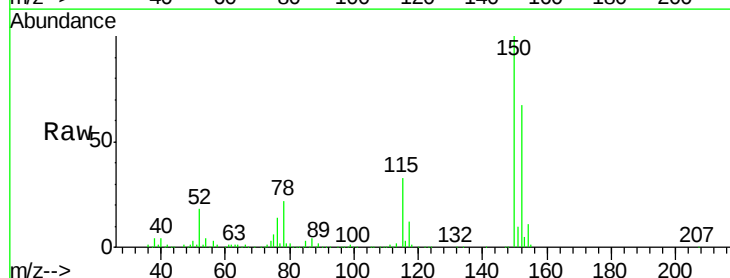
Tgt Ion:152 Resp: 94209

Ion Ratio Lower Upper

152 100

115 53.1 27.3 81.9

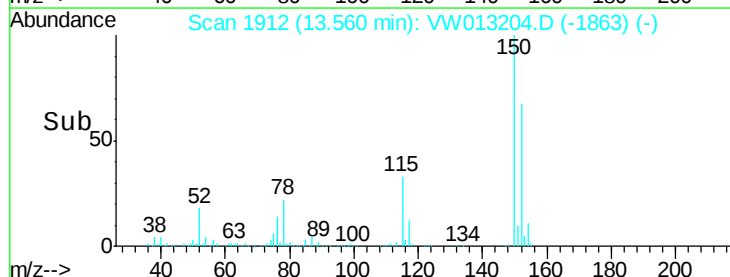
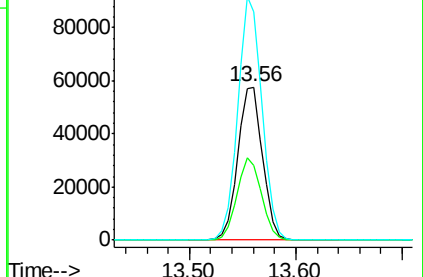
150 155.1 0.0 349.0

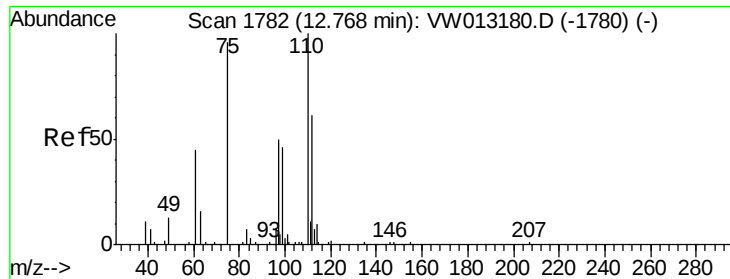


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 69.232 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013204.D

Acq: 21 Sep 2019 01:21

Instrument :

MSVOA_W

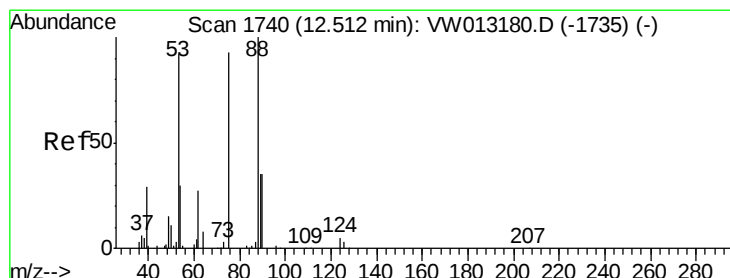
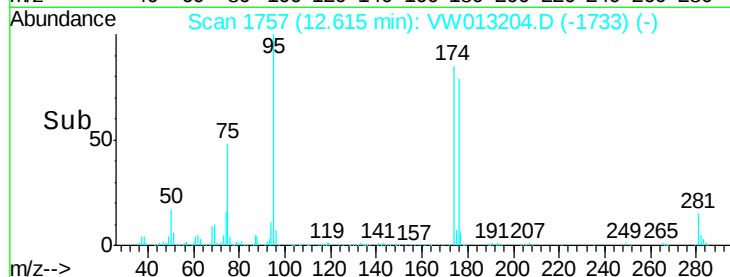
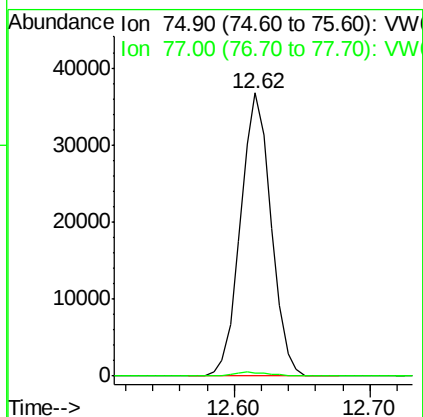
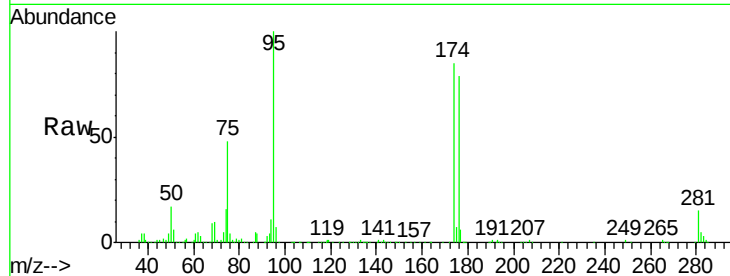
ClientSampleId :

Tot Ion: 75 Resp: 57600

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 155.350 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013204.D

Acq: 21 Sep 2019 01:21

Tgt Ion: 75 Resp: 57600

Ion Ratio Lower Upper

75 100

53 0.1 76.6 114.8#

89 0.3 33.5 50.3#

