

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW093019\
 Data File : VW013341.D
 Acq On : 30 Sep 2019 18:45
 Operator : SY/VA
 Sample : K5093-01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-01-(9.5-10.0)

Quant Time: Oct 01 05:38:38 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

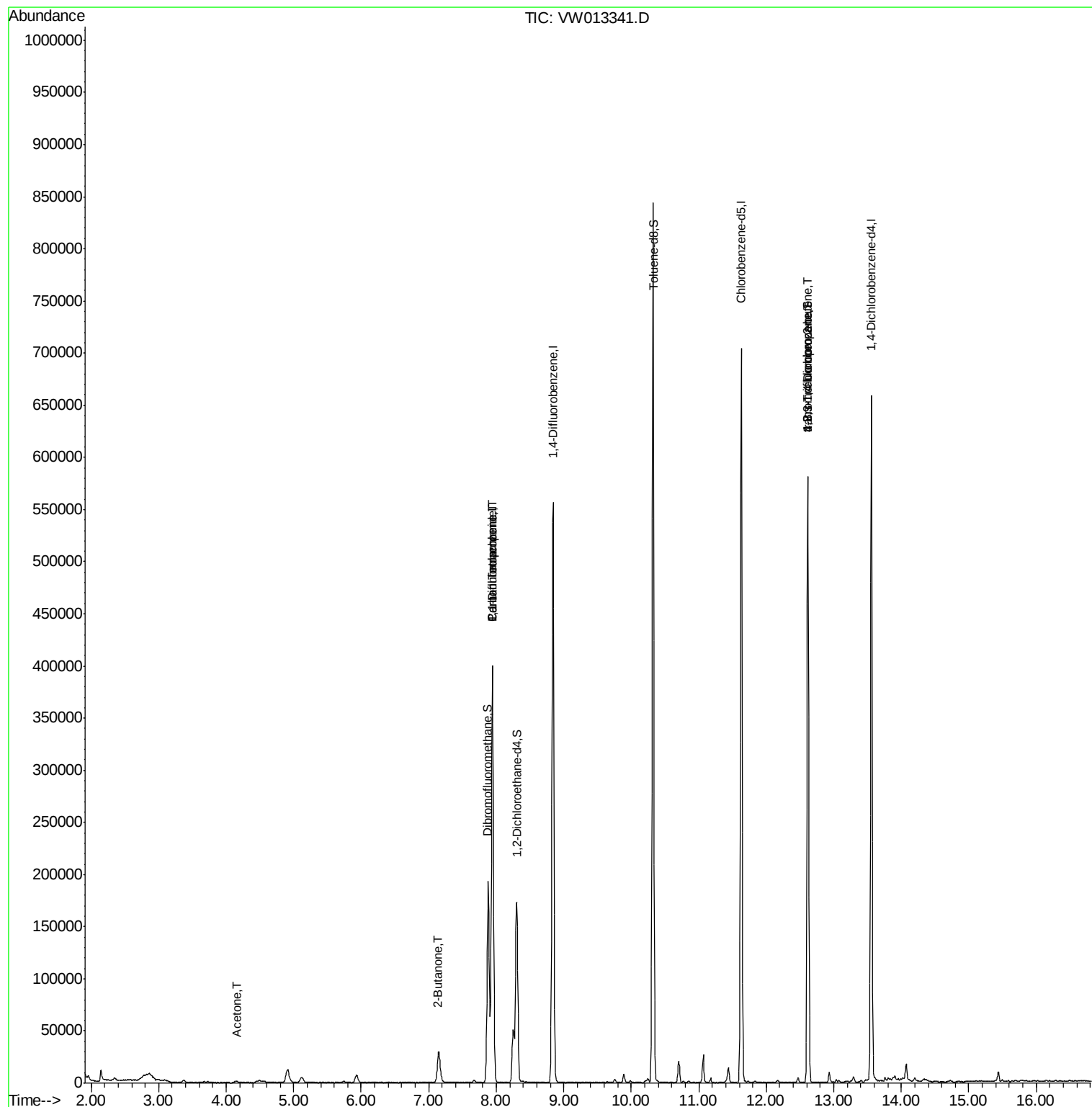
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	333421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	498994	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	424823	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	189160	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	140038	51.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.92%	
35) Dibromofluoromethane	7.88	113	141180	51.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.88%	
50) Toluene-d8	10.32	98	577475	50.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.56%	
62) 4-Bromofluorobenzene	12.62	95	181864	46.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.70%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.21	59	866	Below Cal	#	73
16) Acetone	4.15	43	2638	4.299	ug/l	98
25) 2-Butanone	7.13	43	962	1.044	ug/l #	51
26) 2,2-Dichloropropane	7.15	77	2140	Below Cal	#	52
36) 1,1-Dichloropropene	7.95	75	21238	4.394	ug/l #	48
38) Carbon Tetrachloride	7.95	117	29086	6.713	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	85699	51.300	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	85699	115.114	ug/l #	12

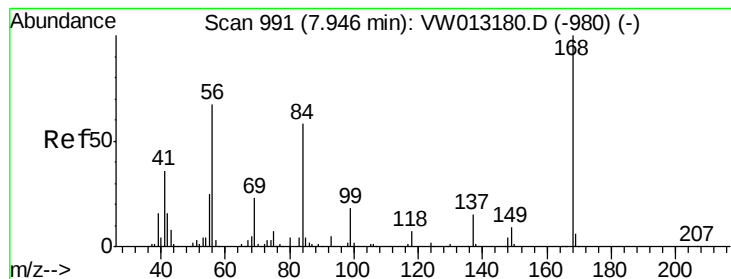
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW093019\
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QLast Update : Fri Sep 20 15:58:08 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013341.D

Acq: 30 Sep 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

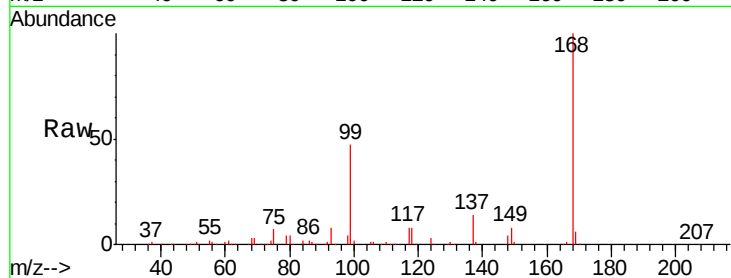
SB-01-(9.5-10.0)

Tgt Ion: 168 Resp: 333421

Ion Ratio Lower Upper

168 100

99 47.0 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

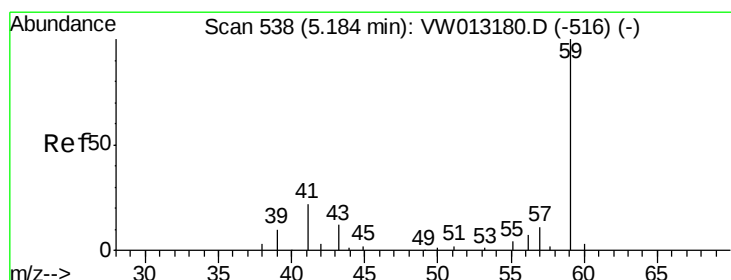
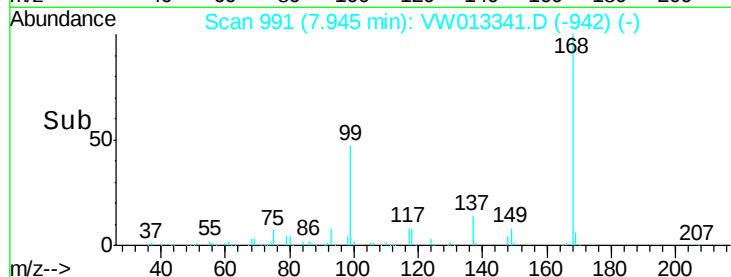
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 543

Delta R.T. 0.03 min

Lab File: VW013341.D

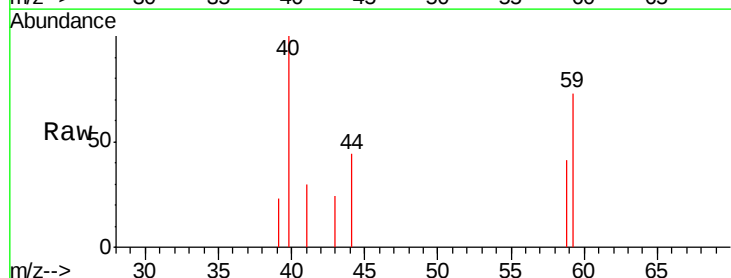
Acq: 30 Sep 2019 18:45

Tgt Ion: 59 Resp: 866

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

800

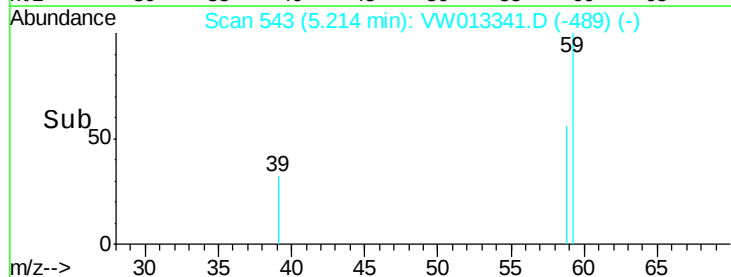
600

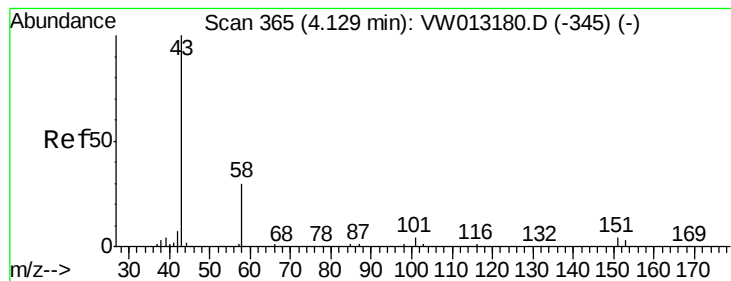
400

200

0

Time-->





#16

Acetone

Concen: 4.299 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.02 min

Lab File: VW013341.D

Acq: 30 Sep 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

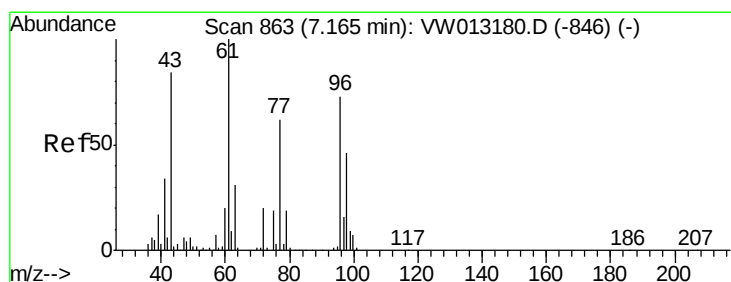
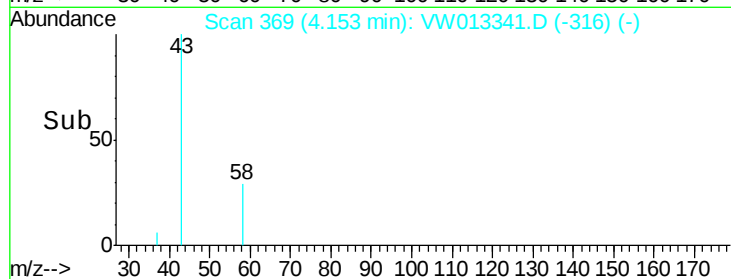
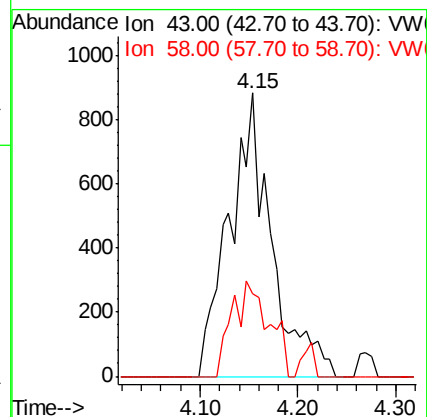
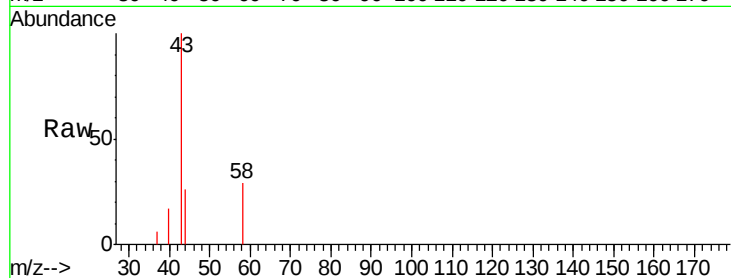
SB-01-(9.5-10.0)

Tgt Ion: 43 Resp: 2638

Ion Ratio Lower Upper

43 100

58 29.3 24.1 36.1



#25

2-Butanone

Concen: 1.044 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW013341.D

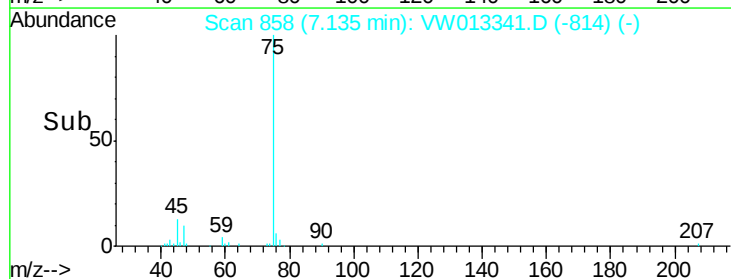
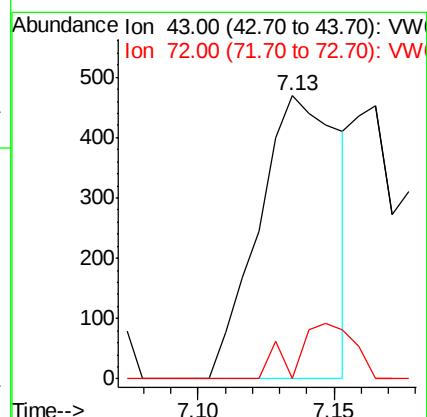
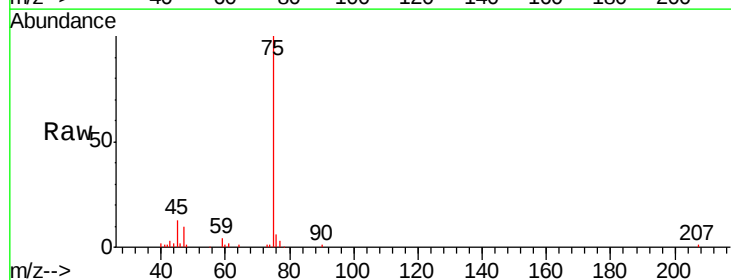
Acq: 30 Sep 2019 18:45

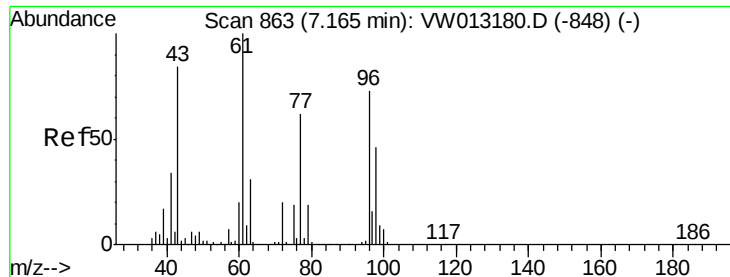
Tgt Ion: 43 Resp: 962

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.0#





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW013341.D

Acq: 30 Sep 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

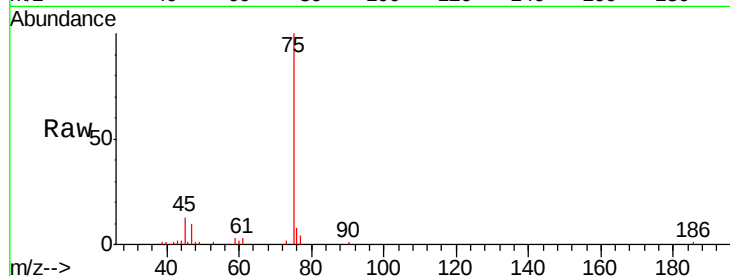
SB-01-(9.5-10.0)

Tgt Ion: 77 Resp: 2140

Ion Ratio Lower Upper

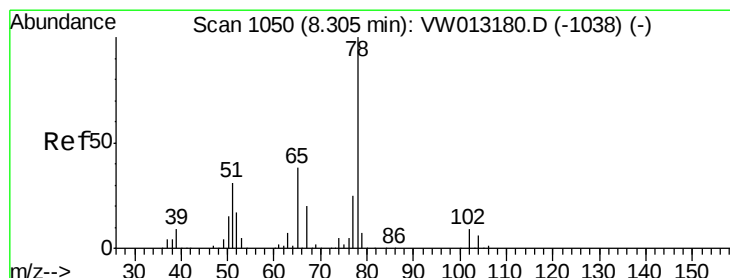
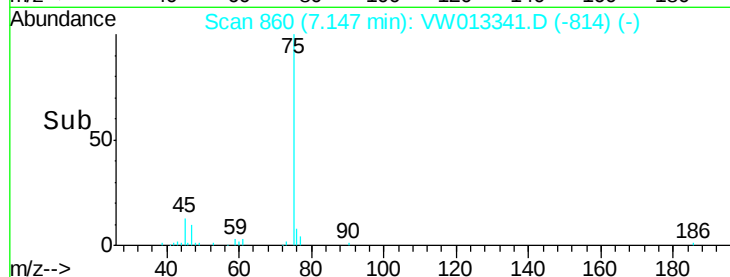
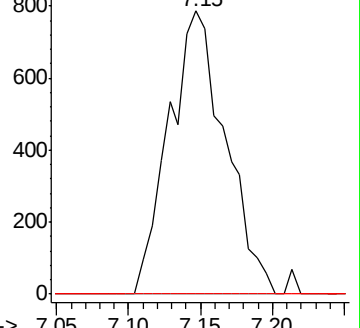
77 100

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: 51.462 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013341.D

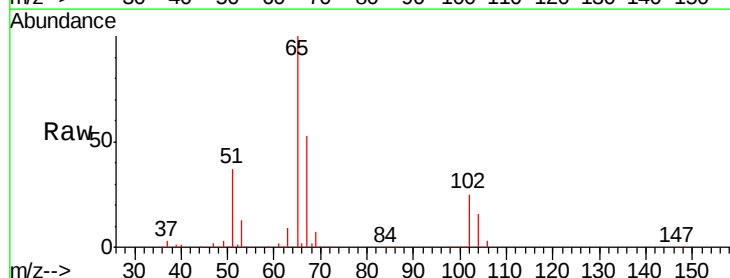
Acq: 30 Sep 2019 18:45

Tgt Ion: 65 Resp: 140038

Ion Ratio Lower Upper

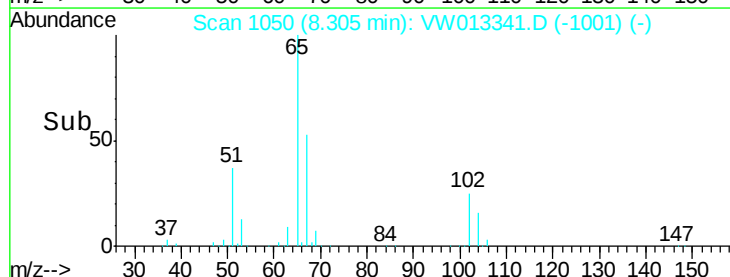
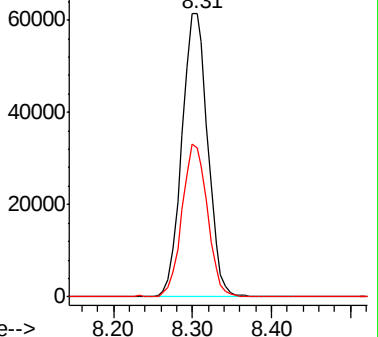
65 100

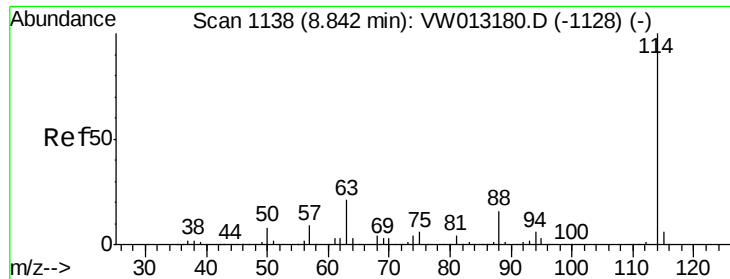
67 52.9 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

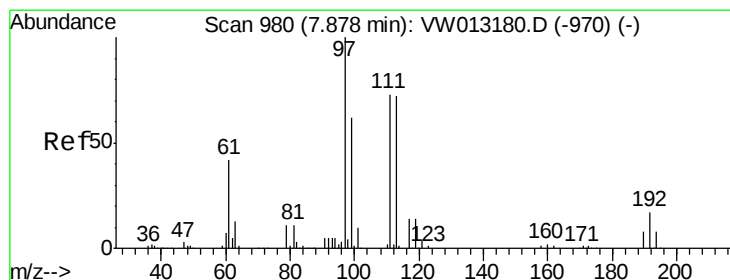
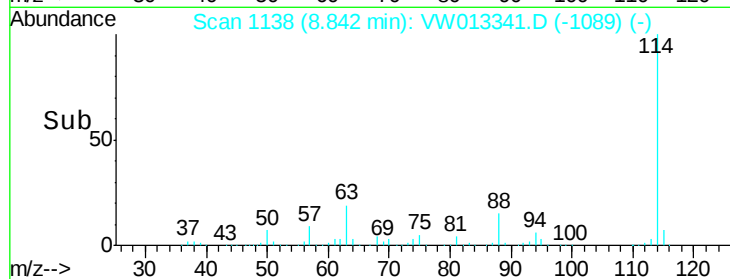
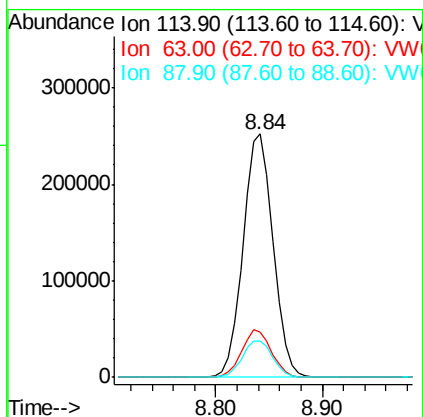
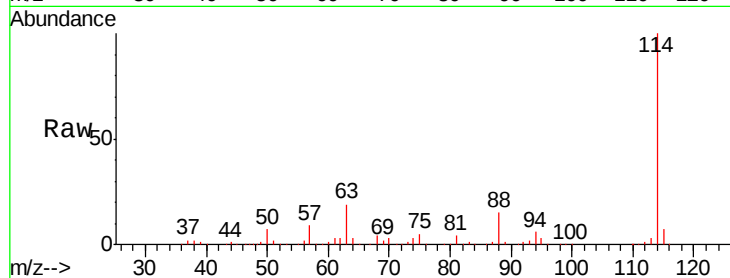




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013341.D
 Acq: 30 Sep 2019 18:45

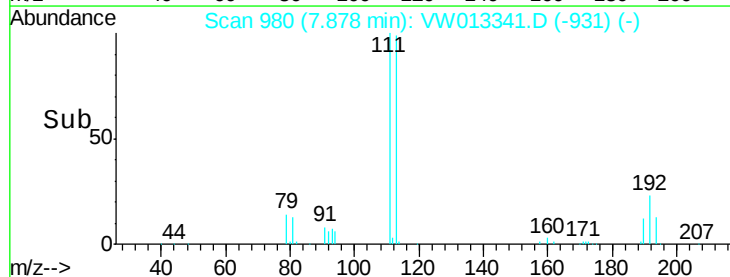
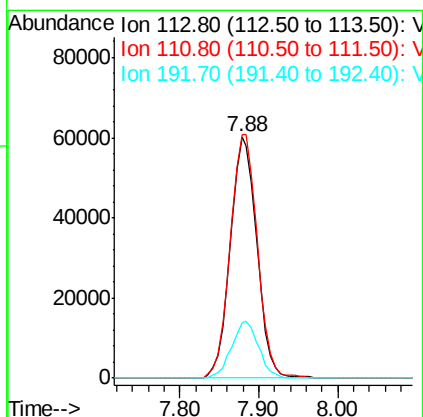
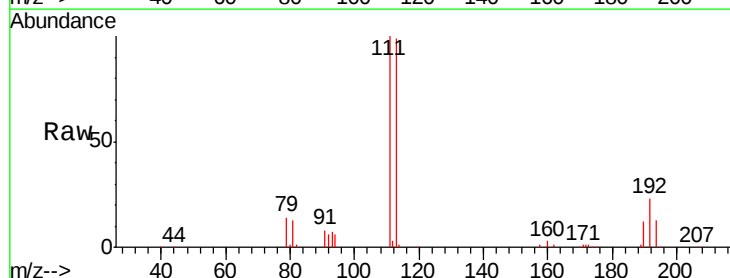
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-01-(9.5-10.0)

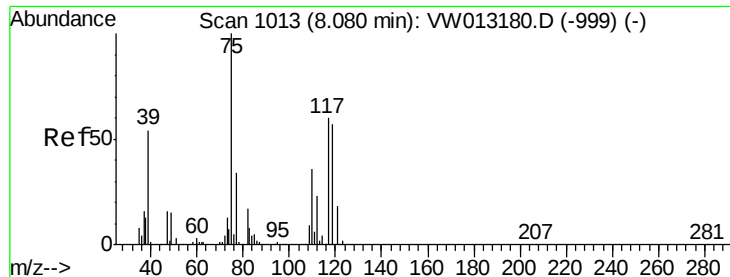
Tgt Ion:114 Resp: 498994
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 41.4
 88 14.9 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 51.442 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013341.D
 Acq: 30 Sep 2019 18:45

Tgt Ion:113 Resp: 141180
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.9 122.9
 192 23.8 19.1 28.7





#36

1,1-Dichloropropene

Concen: 4.394 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013341.D

Acq: 30 Sep 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

SB-01-(9.5-10.0)

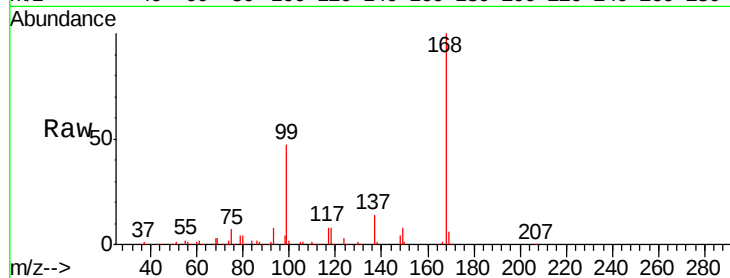
Tgt Ion: 75 Resp: 21238

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.3#

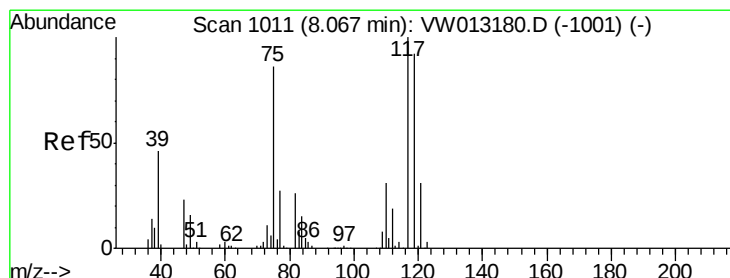
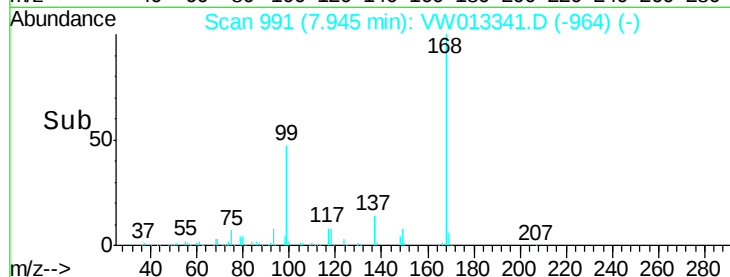
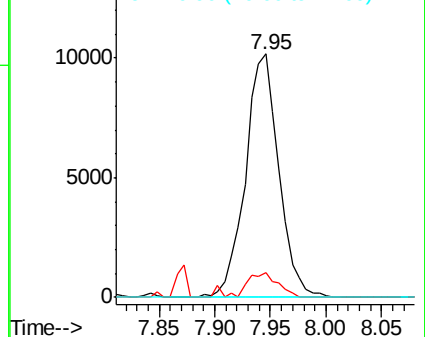
77 0.0 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 6.713 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013341.D

Acq: 30 Sep 2019 18:45

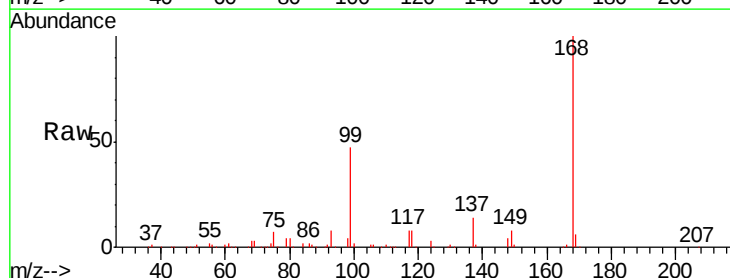
Tgt Ion: 117 Resp: 29086

Ion Ratio Lower Upper

117 100

119 5.1 73.5 110.3#

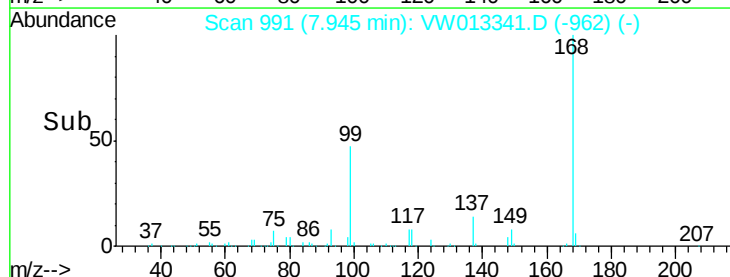
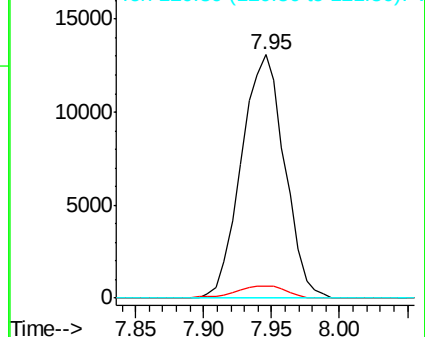
121 0.0 25.0 37.6#

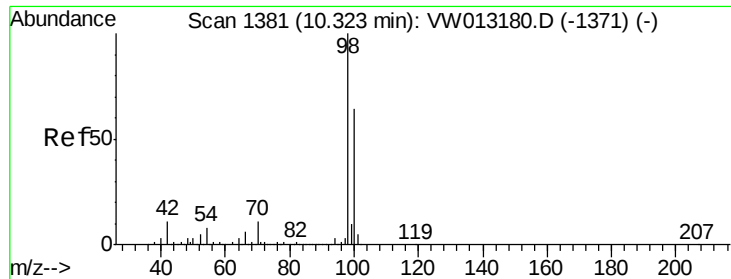


Abundance Ion 116.80 (116.50 to 117.50): VW

Ion 118.80 (118.50 to 119.50): VW

Ion 120.80 (120.50 to 121.50): VW





#50

Toluene-d8

Concen: 50.277 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013341.D

Acq: 30 Sep 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

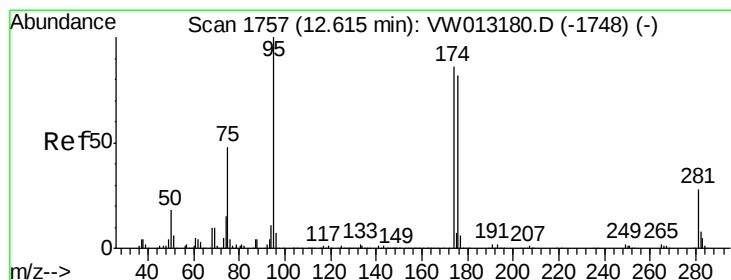
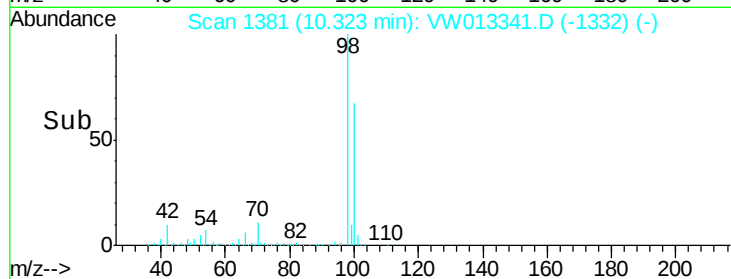
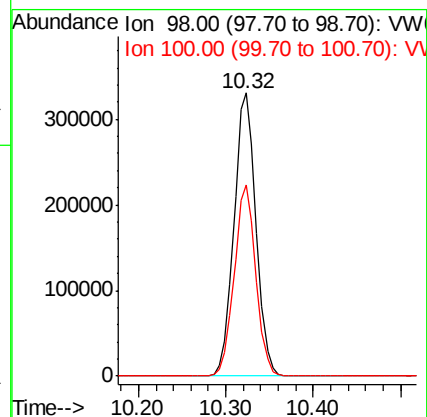
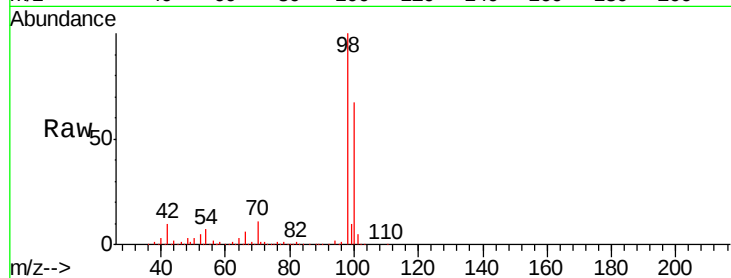
SB-01-(9.5-10.0)

Tgt Ion: 98 Resp: 577475

Ion Ratio Lower Upper

98 100

100 66.3 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 46.353 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013341.D

Acq: 30 Sep 2019 18:45

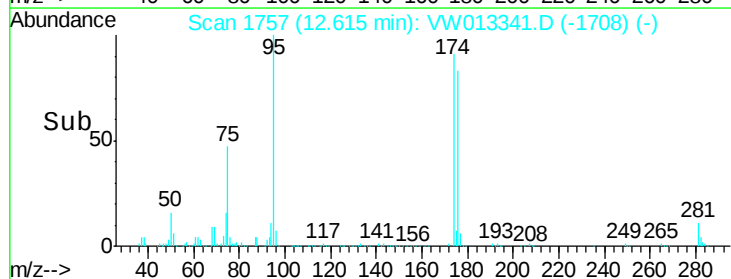
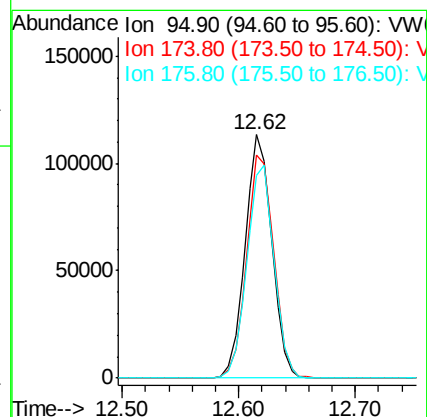
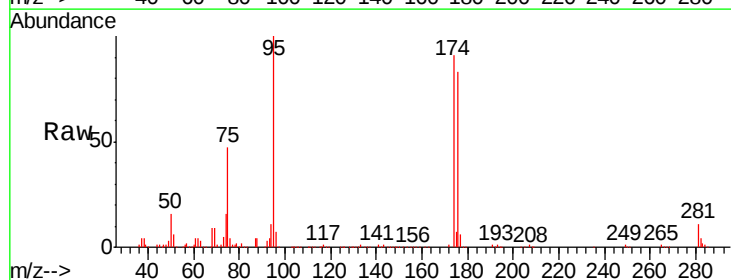
Tgt Ion: 95 Resp: 181864

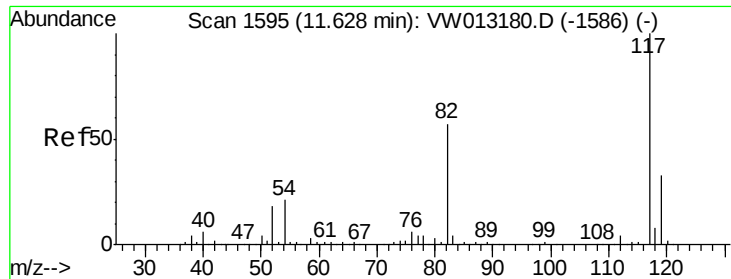
Ion Ratio Lower Upper

95 100

174 93.2 0.0 178.4

176 88.9 0.0 172.2

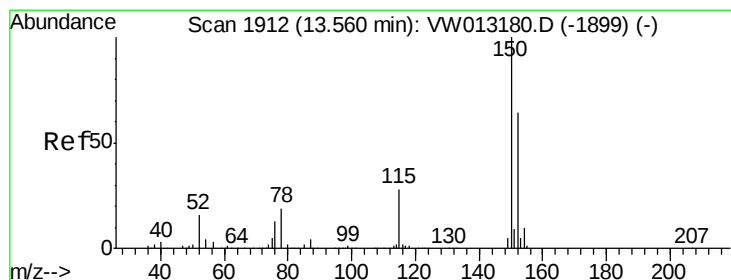
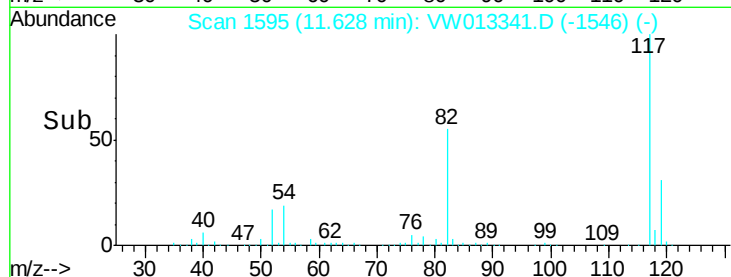
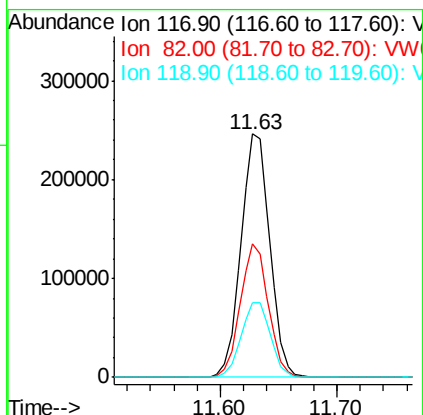
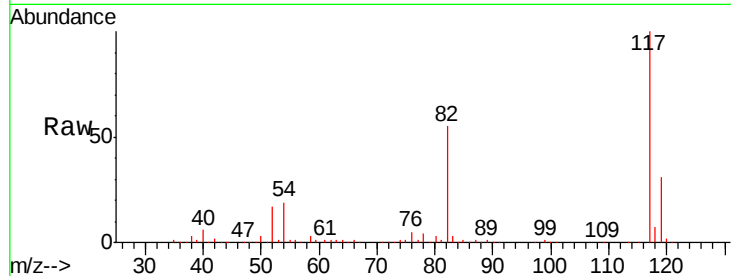




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013341.D
Acq: 30 Sep 2019 18:45

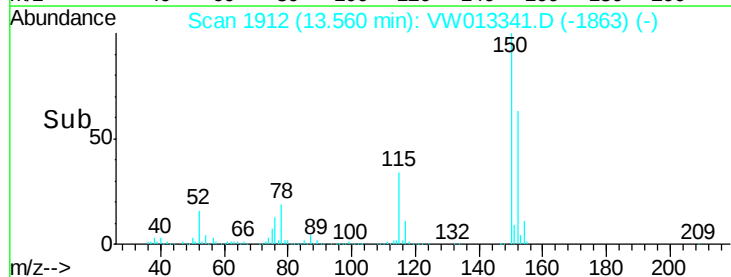
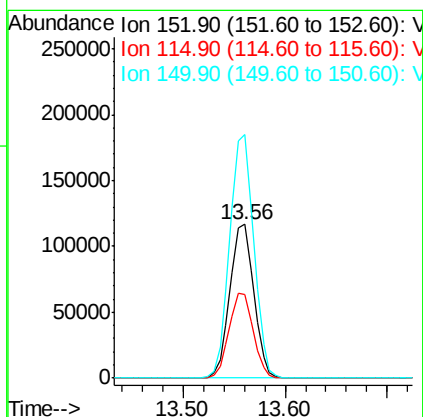
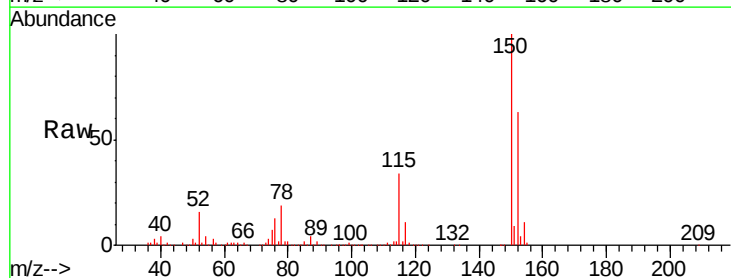
Instrument :
MSVOA_W
ClientSampleId :
SB-01-(9.5-10.0)

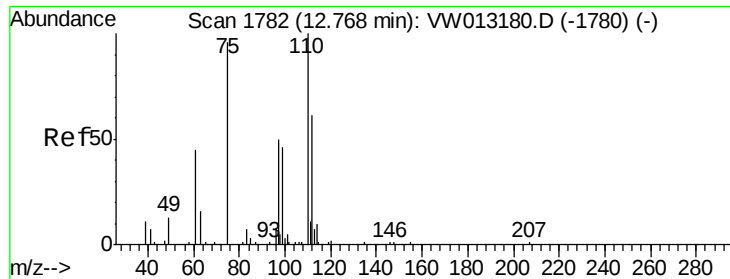
Tgt Ion:117 Resp: 424823
Ion Ratio Lower Upper
117 100
82 54.9 45.9 68.9
119 30.9 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013341.D
Acq: 30 Sep 2019 18:45

Tgt Ion:152 Resp: 189160
Ion Ratio Lower Upper
152 100
115 55.3 27.3 81.9
150 158.8 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 51.300 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013341.D

Acq: 30 Sep 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

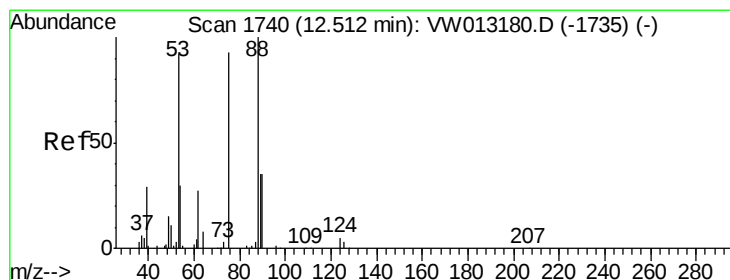
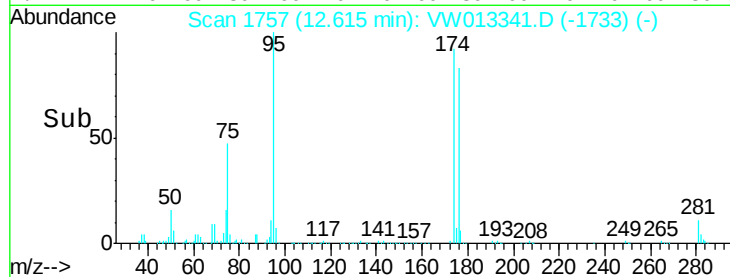
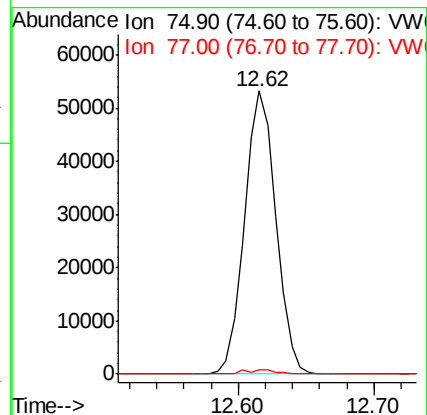
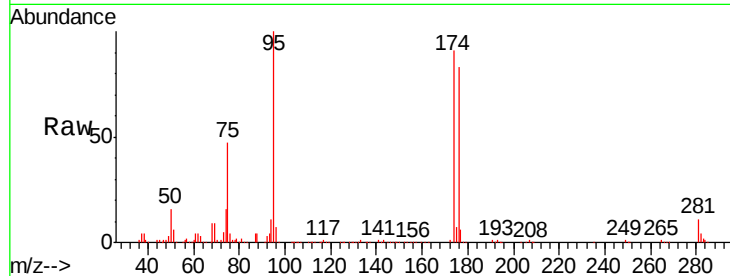
SB-01-(9.5-10.0)

Tgt Ion: 75 Resp: 85699

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 115.114 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013341.D

Acq: 30 Sep 2019 18:45

Tgt Ion: 75 Resp: 85699

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.1 33.5 50.3#

