

Data File : VW010478.D
Acq On : 21 May 2019 10:55
Operator : SY/VA
Sample : VW0521SBL01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBL01

Quant Time: May 22 06:39:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	138709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	236015	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	207129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	93214	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	71794	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
35) Dibromofluoromethane	7.88	113	74758	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	
50) Toluene-d8	10.32	98	298562	54.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.14%	
62) 4-Bromofluorobenzene	12.62	95	110777	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	

Target Compounds

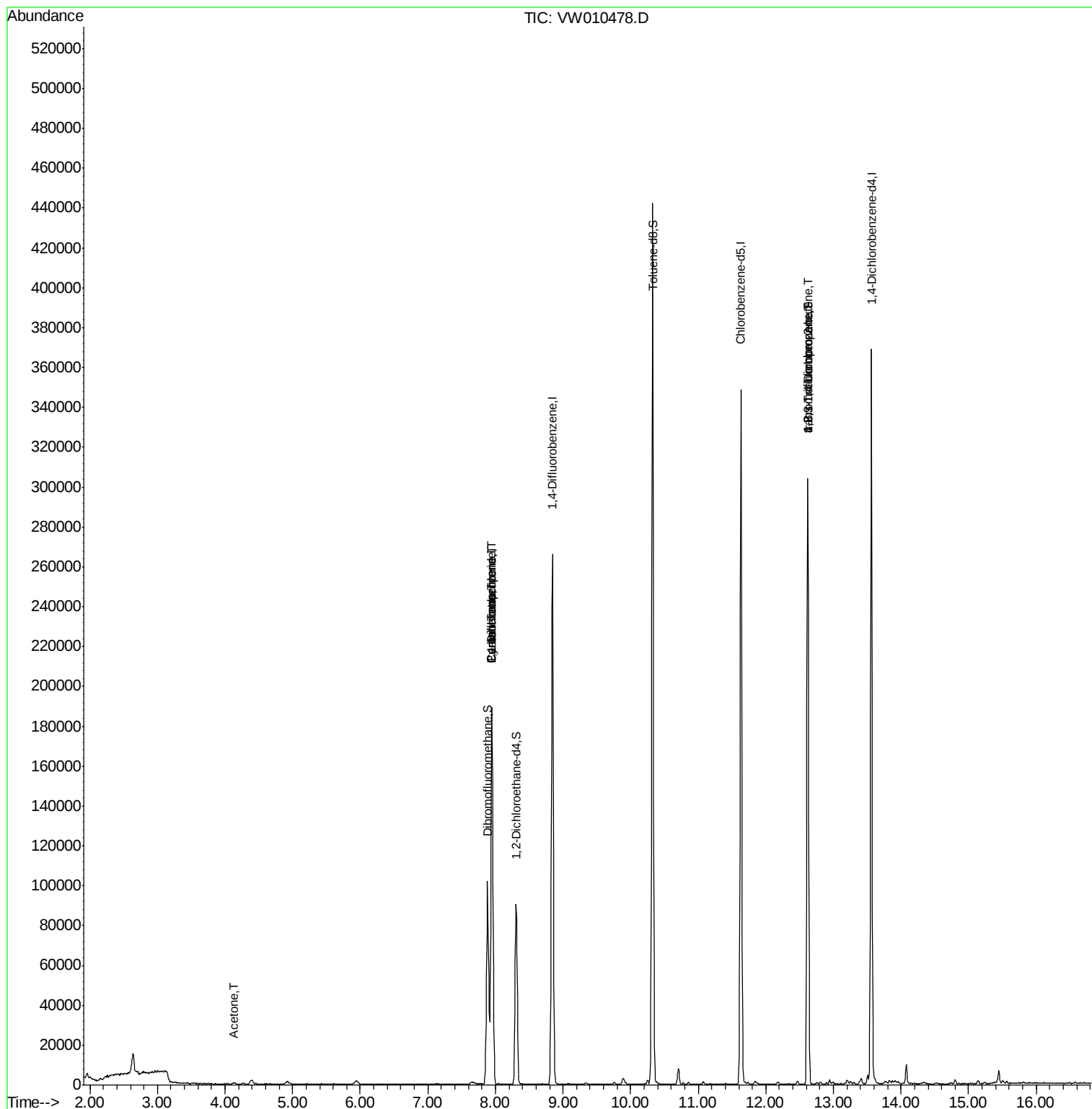
						Qvalue
2) Dichlorodifluoromethane	2.00	85	308	Below Cal		85
13) Acrolein	3.90	56	45	Below Cal	#	1
16) Acetone	4.14	43	1292	4.421	ug/l #	83
20) Methylene Chloride	4.91	84	1127	Below Cal	#	86
31) Cyclohexane	7.95	56	2977	1.095	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	10815	4.919	ug/l #	48
38) Carbon Tetrachloride	7.95	117	15005	6.327	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	53216	56.243	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	53216	117.380	ug/l #	14

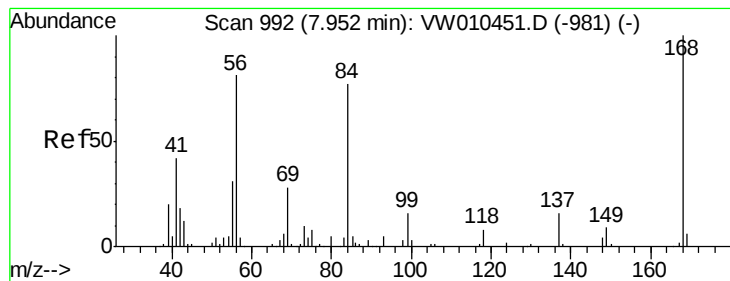
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 22 06:39:51 2019
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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: VW010478.D

Acq: 21 May 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

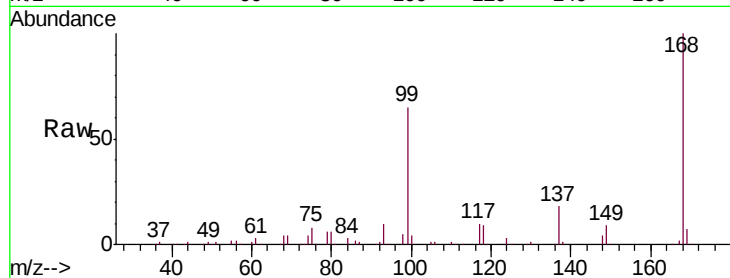
VW0521SBL01

Tgt Ion:168 Resp: 138709

Ion Ratio Lower Upper

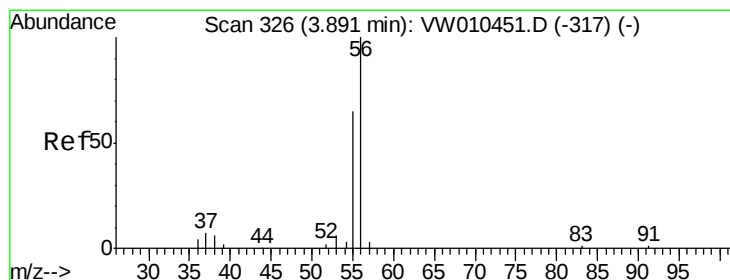
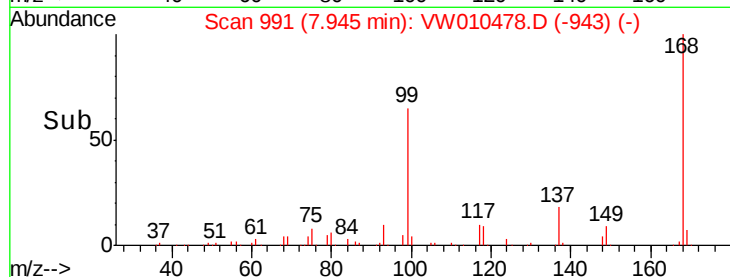
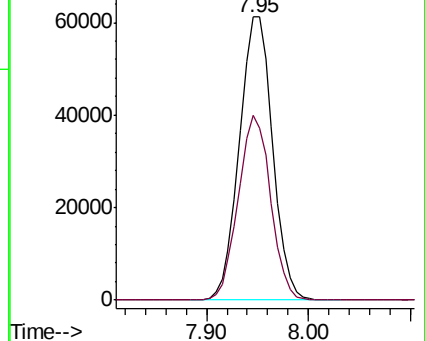
168 100

99 65.3 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#13

Acrolein

Concen: Below Cal

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW010478.D

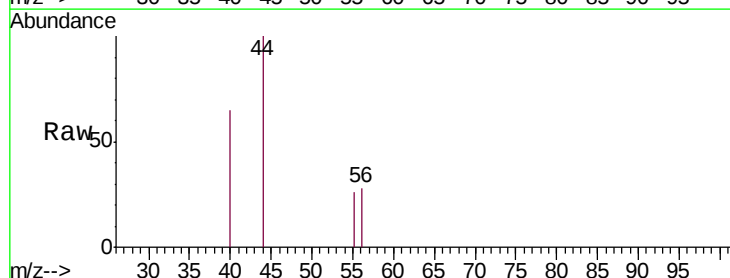
Acq: 21 May 2019 10:55

Tgt Ion: 56 Resp: 45

Ion Ratio Lower Upper

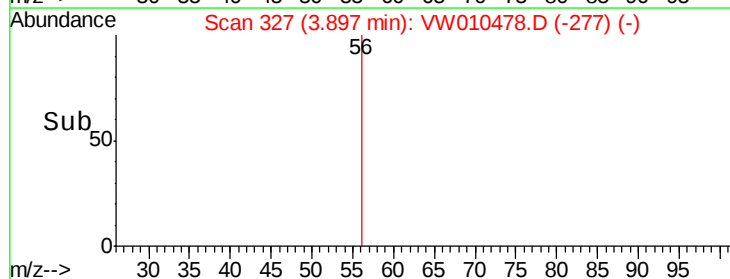
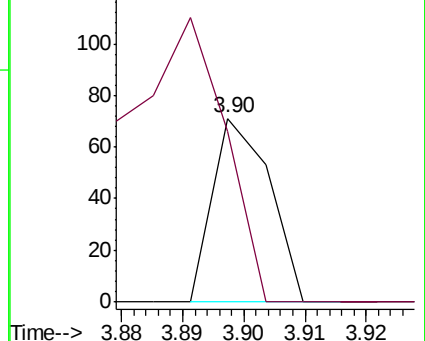
56 100

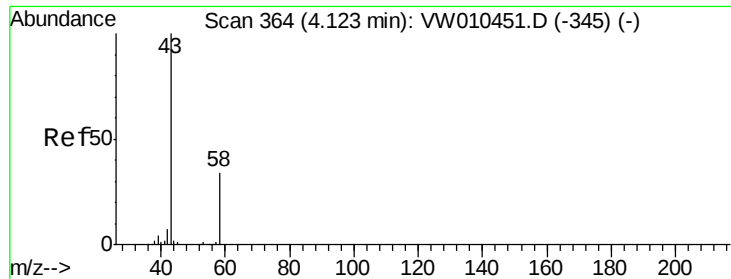
55 264.4 57.9 86.9#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

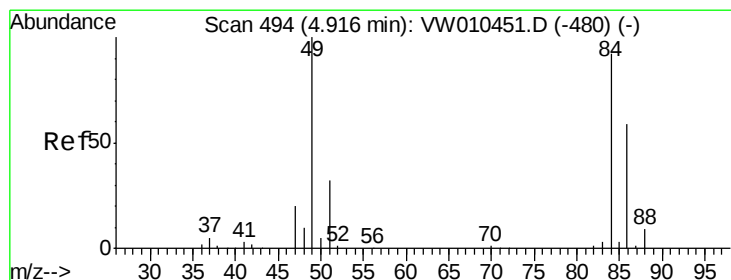
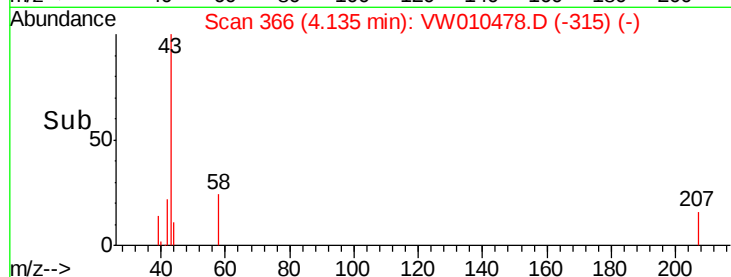
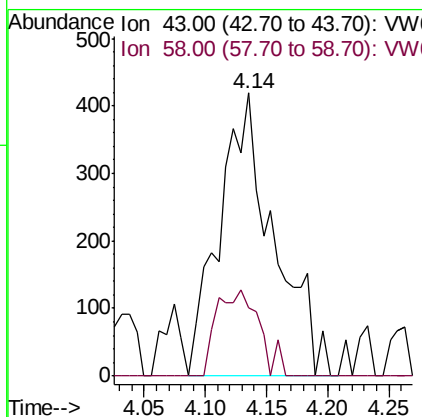
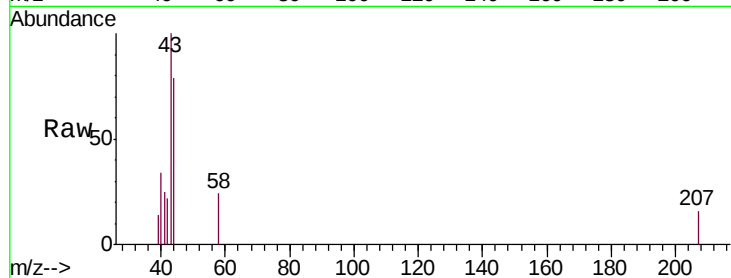




#16
Acetone
Concen: 4.421 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW010478.D
Acq: 21 May 2019 10:55

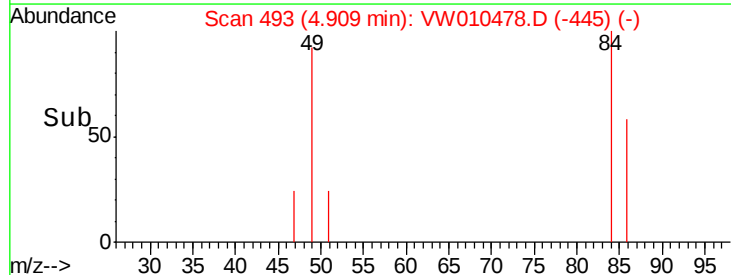
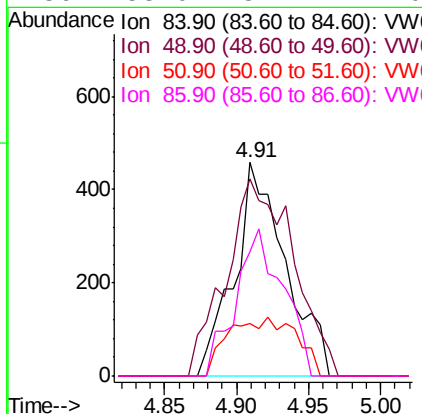
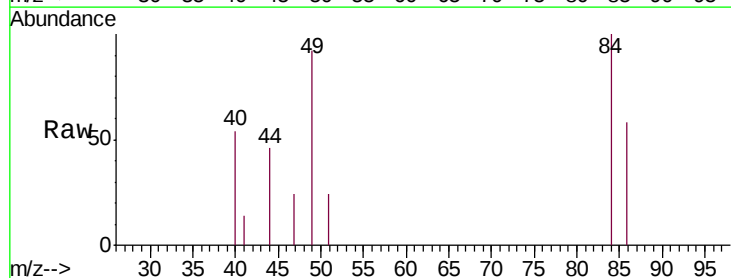
Instrument :
MSVOA_W
ClientSampleId :
VW0521SBL01

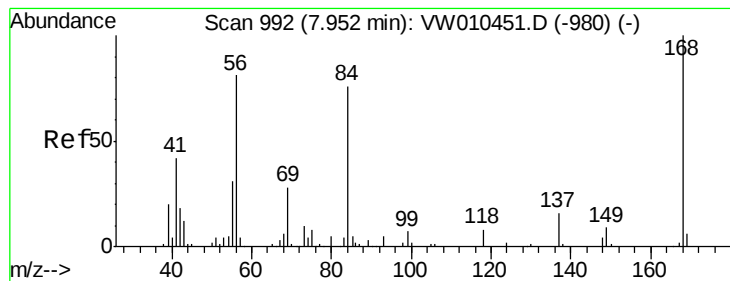
Tgt Ion: 43 Resp: 1292
Ion Ratio Lower Upper
43 100
58 24.1 27.0 40.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010478.D
Acq: 21 May 2019 10:55

Tgt Ion: 84 Resp: 1127
Ion Ratio Lower Upper
84 100
49 92.2 87.2 130.8
51 24.4 27.7 41.5#
86 58.0 51.4 77.0





#31

Cyclohexane

Concen: 1.095 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010478.D

Acq: 21 May 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBL01

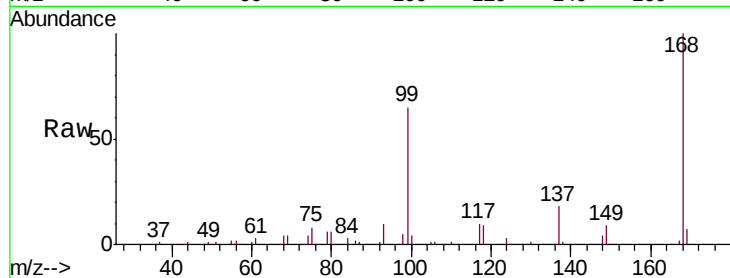
Tgt Ion: 56 Resp: 2977

Ion Ratio Lower Upper

56 100

69 203.9 28.2 42.2#

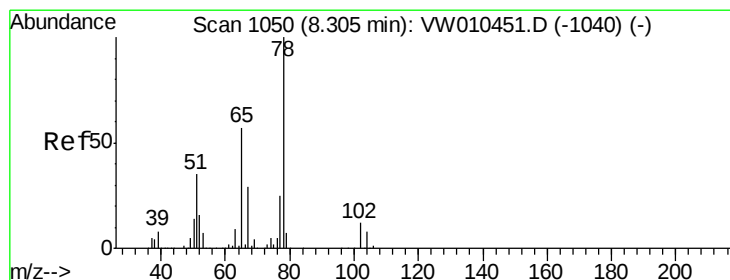
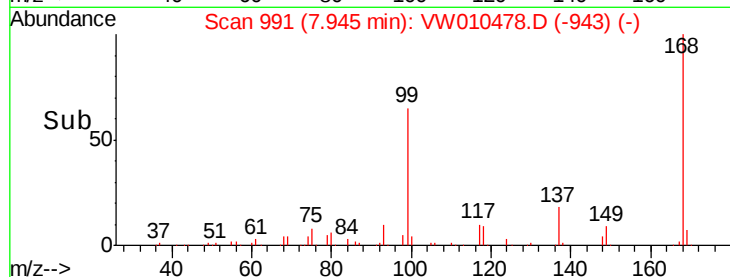
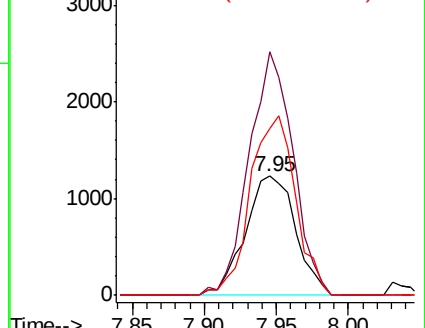
84 139.2 75.8 113.8#



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: 50.146 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010478.D

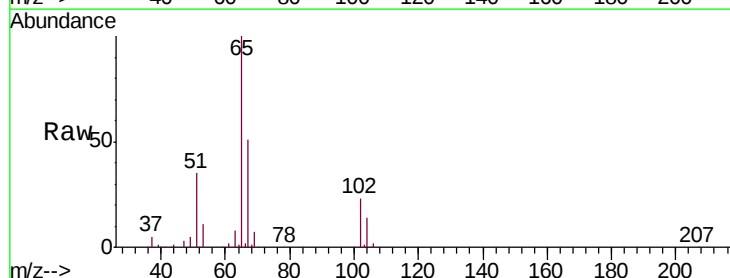
Acq: 21 May 2019 10:55

Tgt Ion: 65 Resp: 71794

Ion Ratio Lower Upper

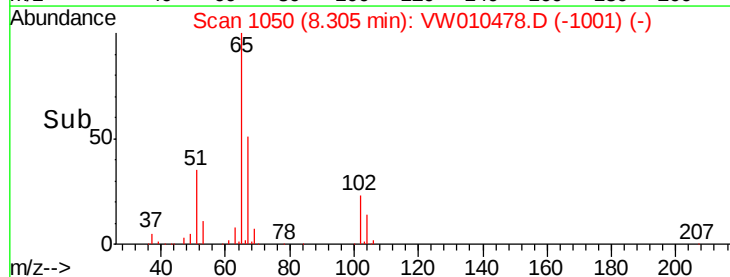
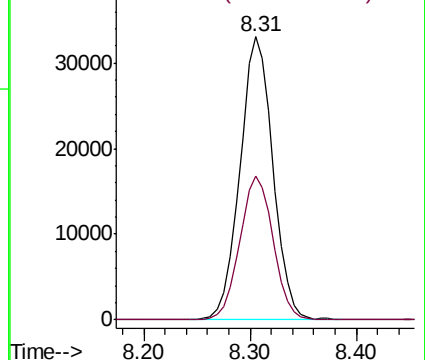
65 100

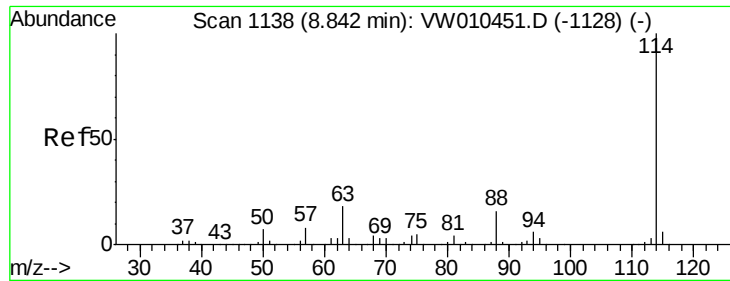
67 51.4 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

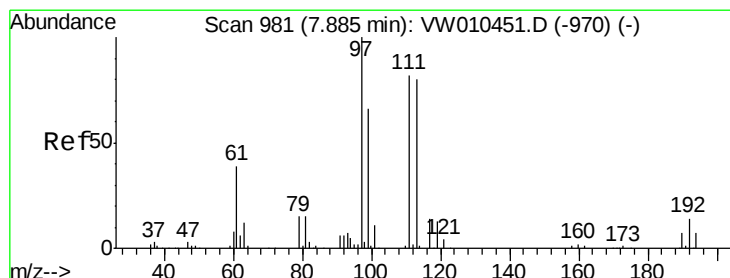
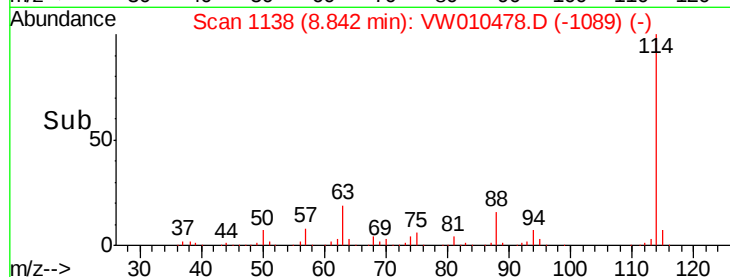
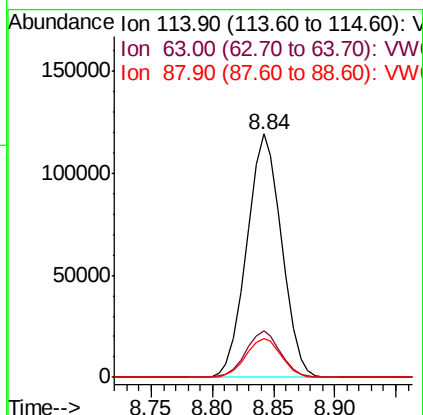
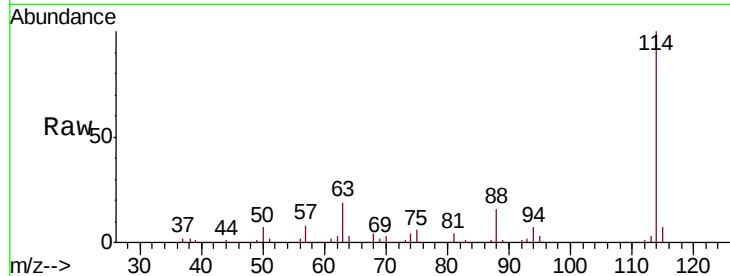




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010478.D
 Acq: 21 May 2019 10:55

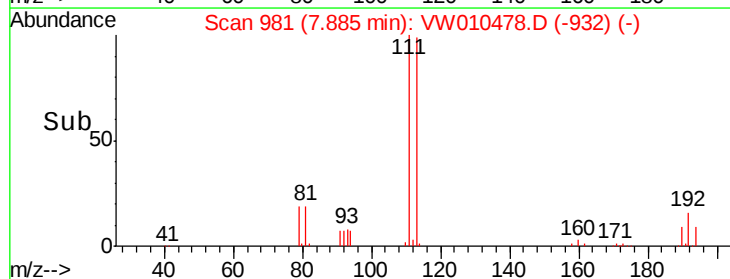
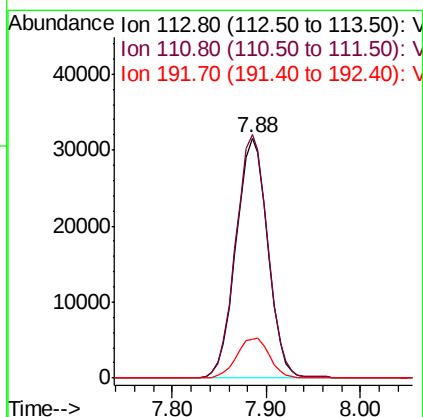
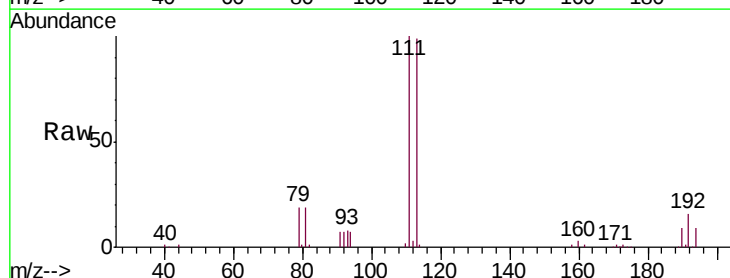
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBL01

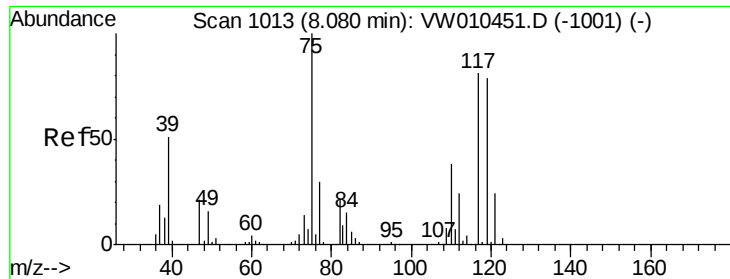
Tgt Ion:114 Resp: 236015
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 36.0
 88 15.8 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 52.202 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010478.D
 Acq: 21 May 2019 10:55

Tgt Ion:113 Resp: 74758
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.2 123.4
 192 17.0 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.919 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010478.D

Acq: 21 May 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBL01

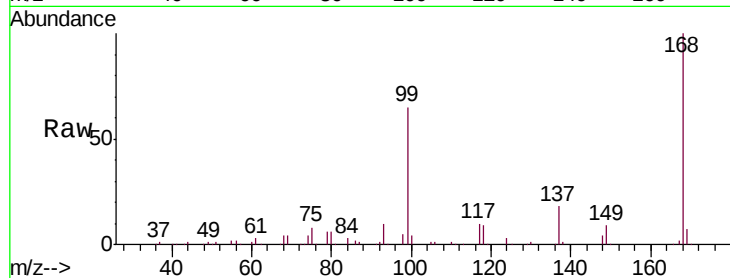
Tgt Ion: 75 Resp: 10815

Ion Ratio Lower Upper

75 100

110 9.7 19.2 57.6#

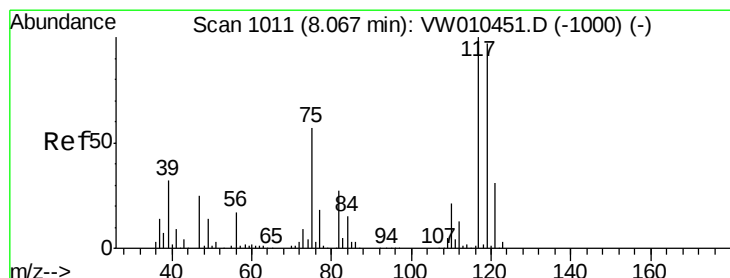
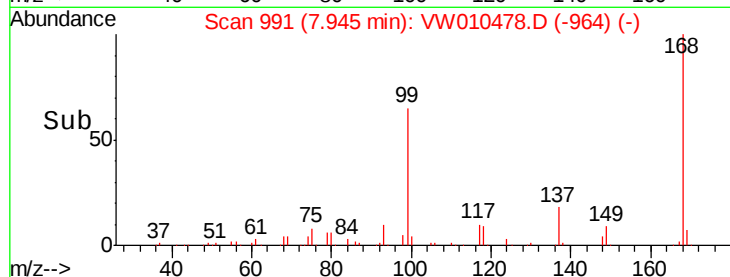
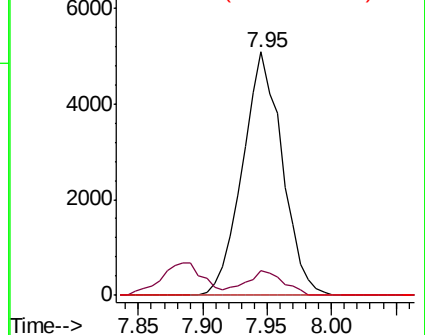
77 0.0 25.2 37.8#



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: 6.327 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW010478.D

Acq: 21 May 2019 10:55

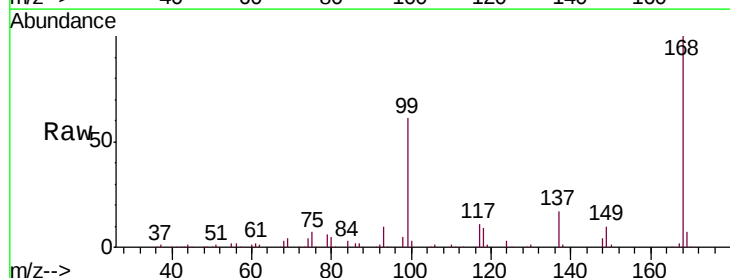
Tgt Ion: 117 Resp: 15005

Ion Ratio Lower Upper

117 100

119 5.6 77.4 116.0#

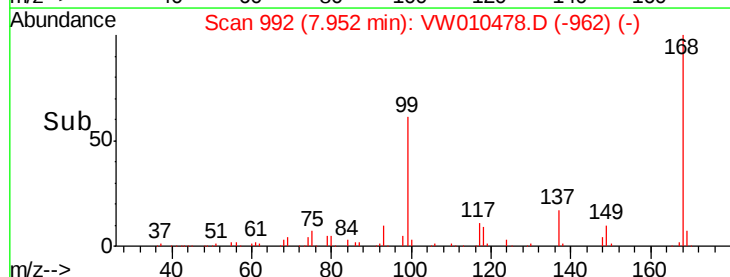
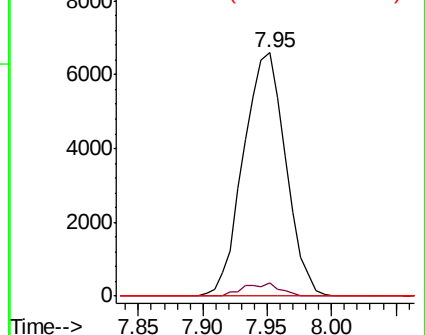
121 0.0 25.0 37.6#

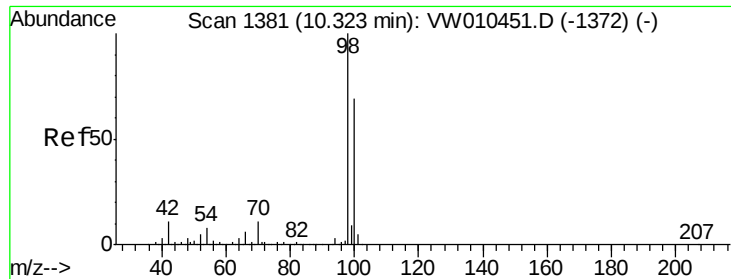


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 54.572 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010478.D

Acq: 21 May 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

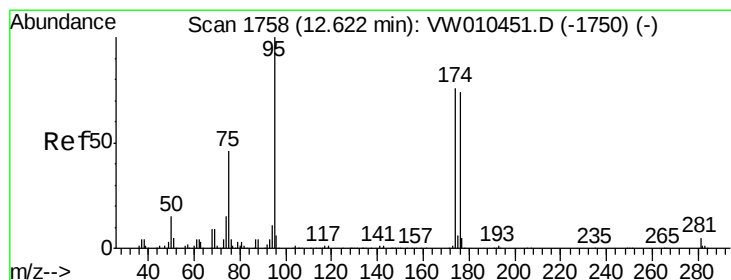
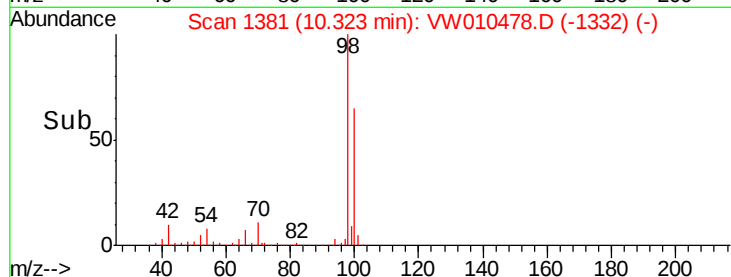
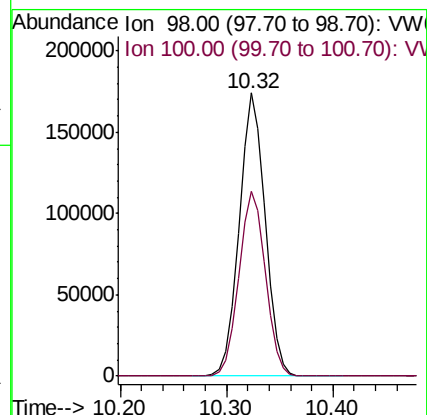
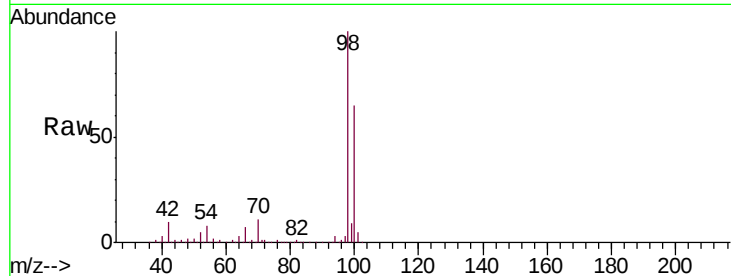
VW0521SBL01

Tgt Ion: 98 Resp: 298562

Ion Ratio Lower Upper

98 100

100 66.6 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 50.835 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010478.D

Acq: 21 May 2019 10:55

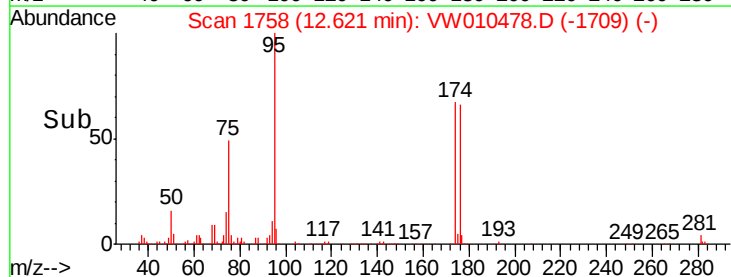
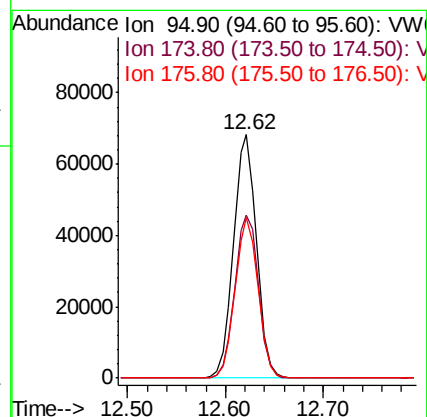
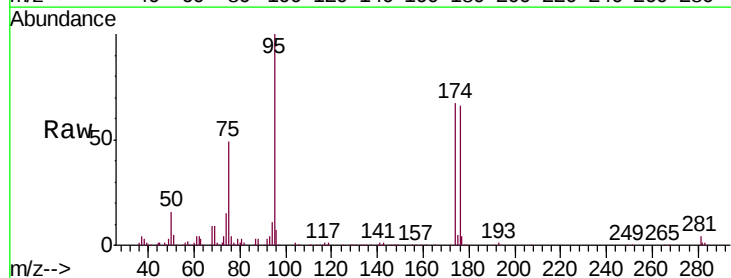
Tgt Ion: 95 Resp: 110777

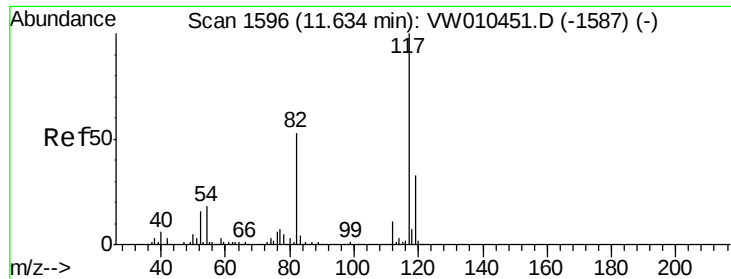
Ion Ratio Lower Upper

95 100

174 69.1 0.0 148.6

176 65.8 0.0 144.2

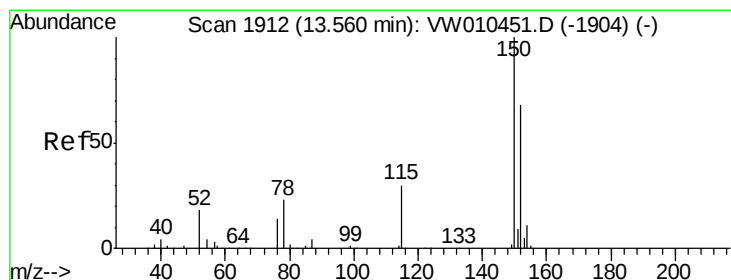
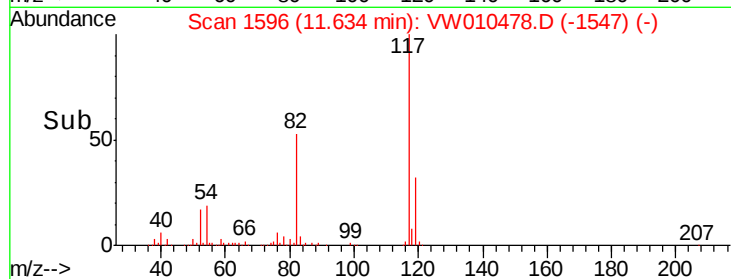
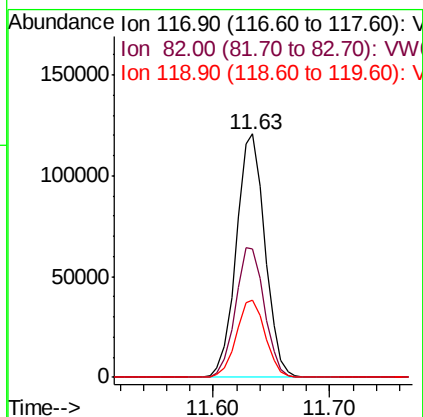
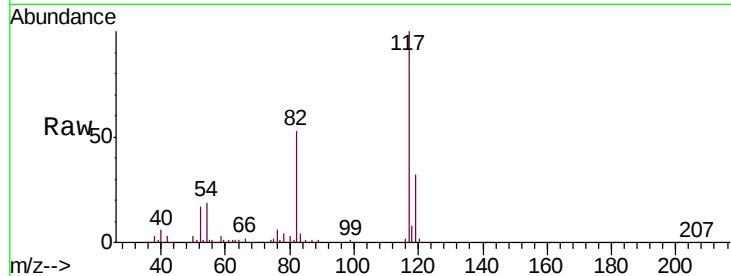




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010478.D
Acq: 21 May 2019 10:55

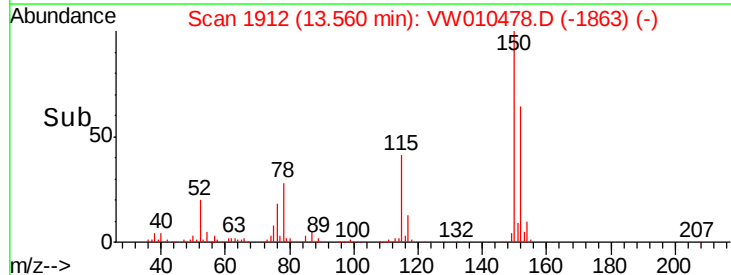
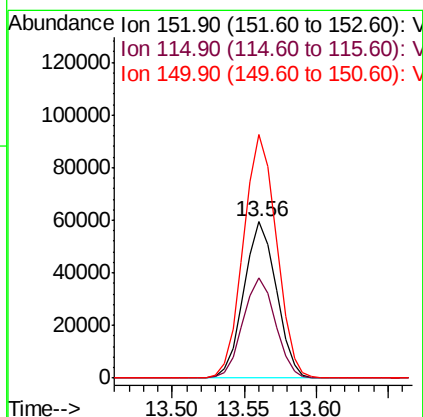
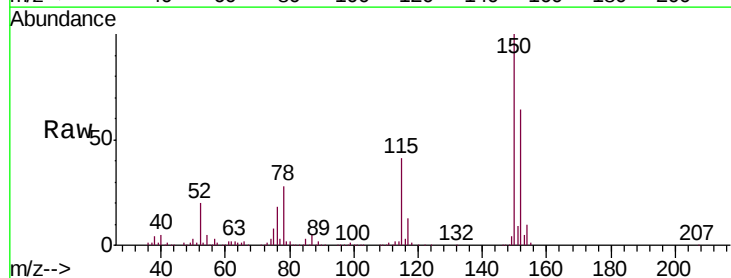
Instrument :
MSVOA_W
ClientSampleId :
VW0521SBL01

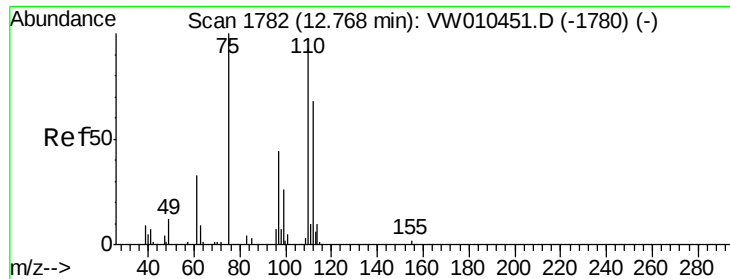
Tgt Ion:117 Resp: 207129
Ion Ratio Lower Upper
117 100
82 52.6 42.8 64.2
119 31.9 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010478.D
Acq: 21 May 2019 10:55

Tgt Ion:152 Resp: 93214
Ion Ratio Lower Upper
152 100
115 63.8 30.3 91.0
150 157.9 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 56.243 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010478.D

Acq: 21 May 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

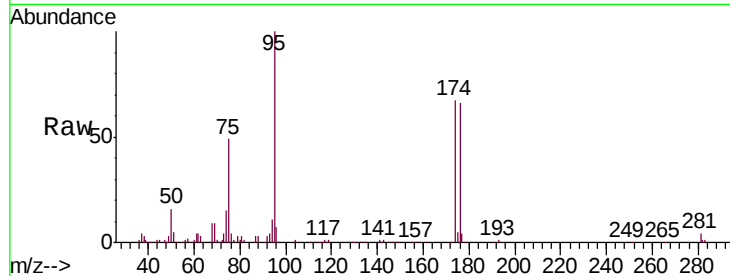
VW0521SBL01

Tgt Ion: 75 Resp: 53216

Ion Ratio Lower Upper

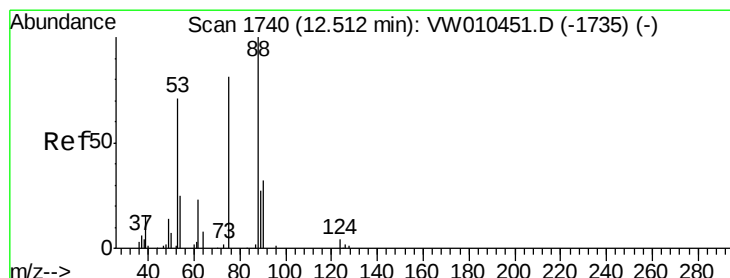
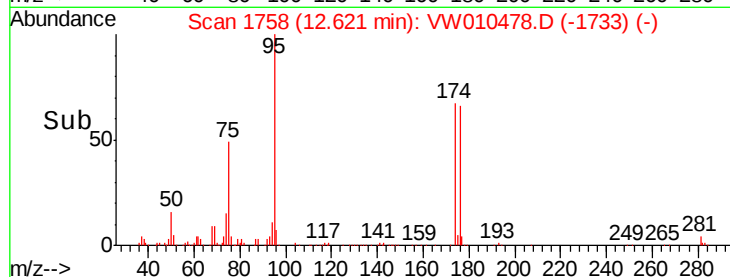
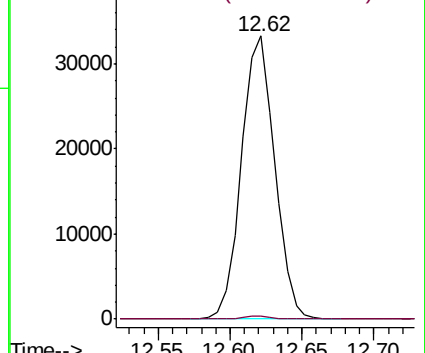
75 100

77 1.0 170.0 510.1#



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: 117.380 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010478.D

Acq: 21 May 2019 10:55

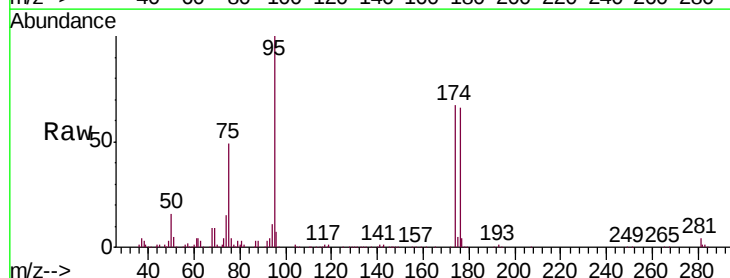
Tgt Ion: 75 Resp: 53216

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#



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

