

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
 Data File : VW010521.D
 Acq On : 22 May 2019 20:08
 Operator : SY/VA
 Sample : K2998-01
 Misc : 5.64G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EWING-SP

Quant Time: May 23 07:00:14 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	119321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	218710	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	193831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83638	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	74095	60.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	120.32%	
35) Dibromofluoromethane	7.88	113	69462	52.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.68%	
50) Toluene-d8	10.32	98	273027	53.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.70%	
62) 4-Bromofluorobenzene	12.62	95	101080	50.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.12%	

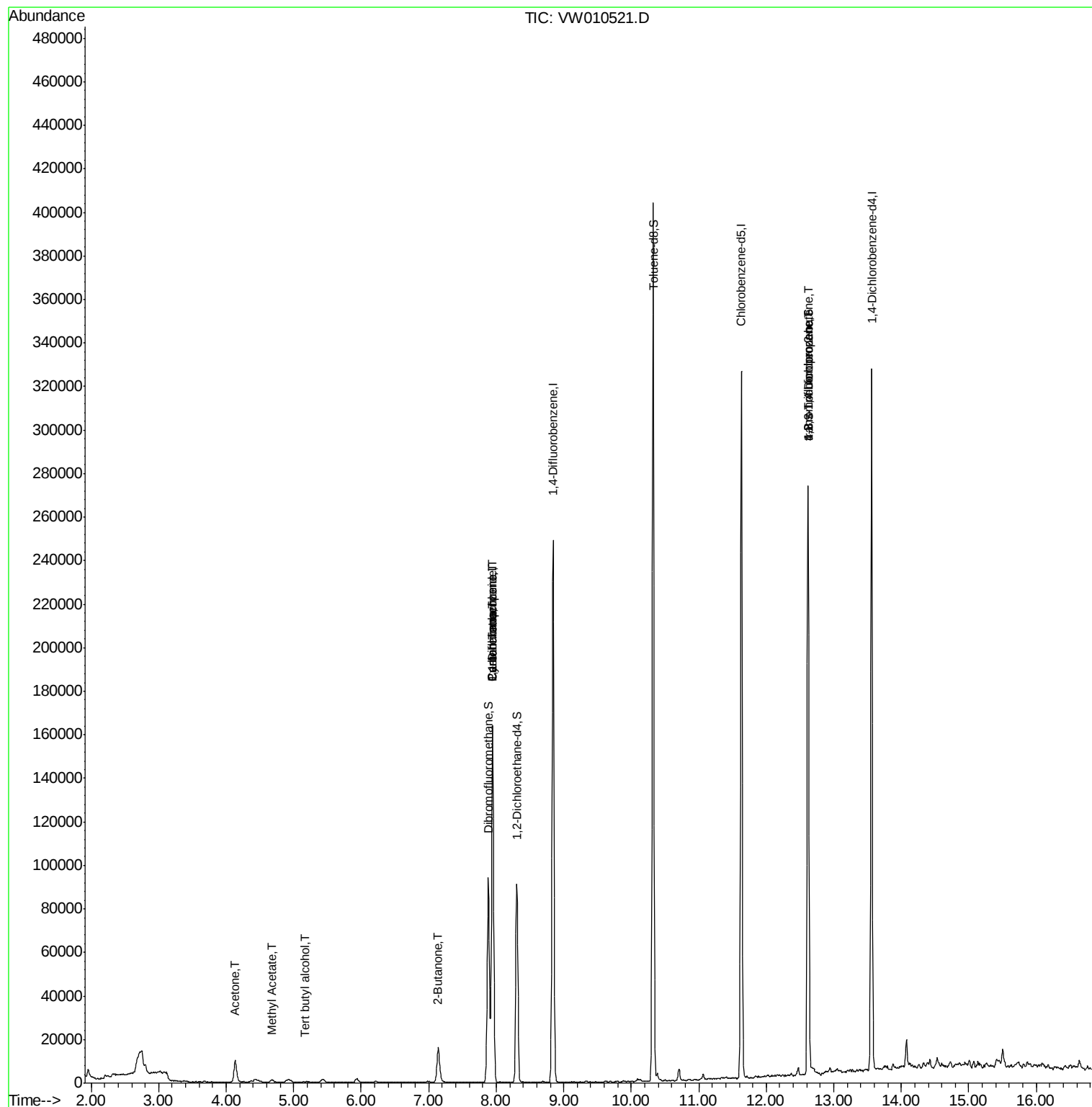
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	276	2.491	ug/l #	71
16) Acetone	4.14	43	18346	72.977	ug/l	99
18) Methyl Acetate	4.68	43	2408	3.916	ug/l	90
20) Methylene Chloride	4.91	84	940	Below Cal	#	80
25) 2-Butanone	7.13	43	458	1.273	ug/l #	45
31) Cyclohexane	7.95	56	2554	1.092	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	9716	4.769	ug/l #	47
38) Carbon Tetrachloride	7.95	117	13239	6.024	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	47617	56.087	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	47617	117.056	ug/l #	14

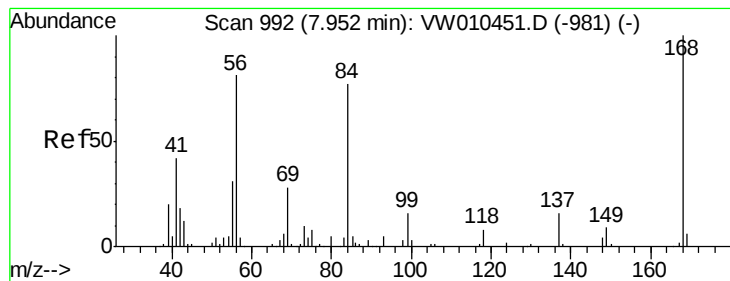
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010521.D

Acq: 22 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

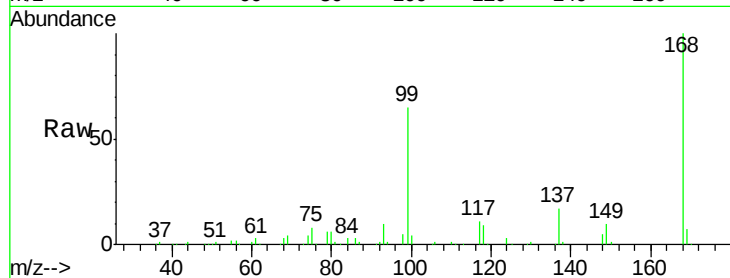
EWING-SP

Tot Ion:168 Resp: 119321

Ion Ratio Lower Upper

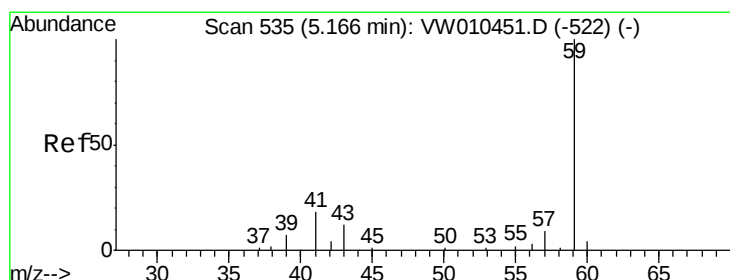
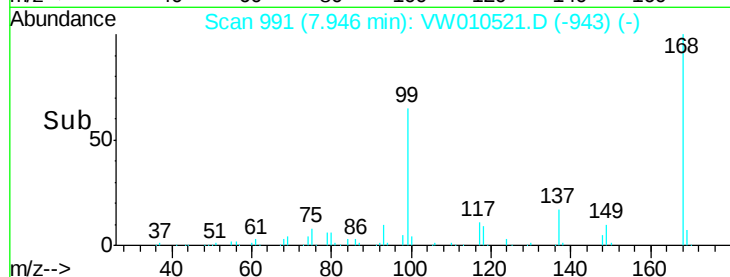
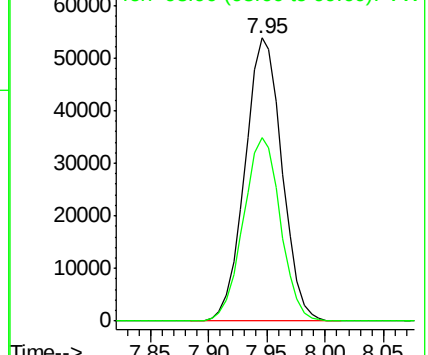
168 100

99 64.8 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.491 ug/l

RT: 5.17 min Scan# 535

Delta R.T. 0.00 min

Lab File: VW010521.D

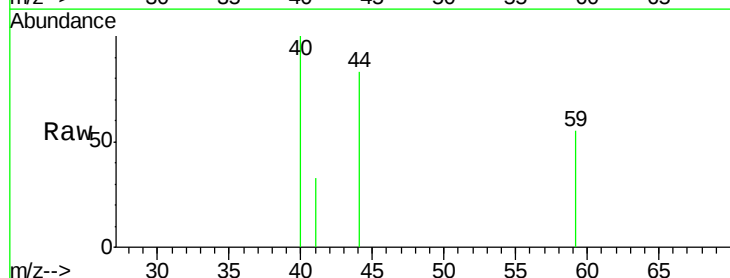
Acq: 22 May 2019 20:08

Tgt Ion: 59 Resp: 276

Ion Ratio Lower Upper

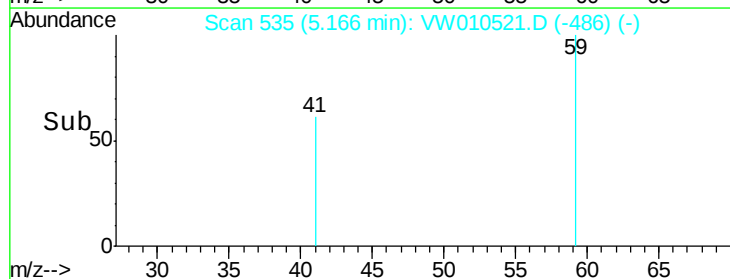
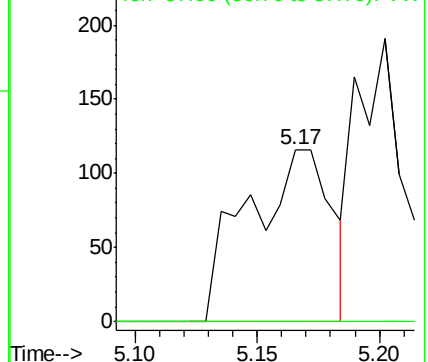
59 100

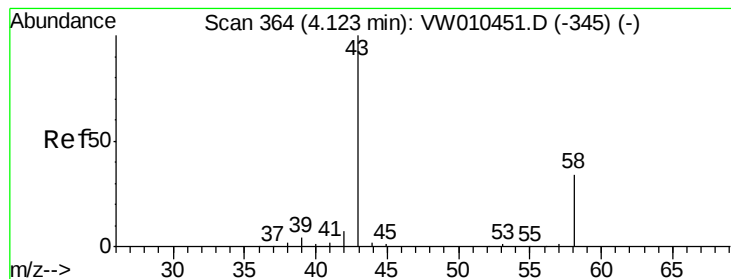
57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 72.977 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW010521.D

Acq: 22 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

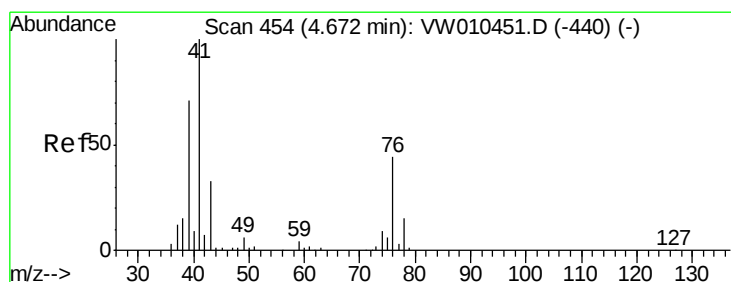
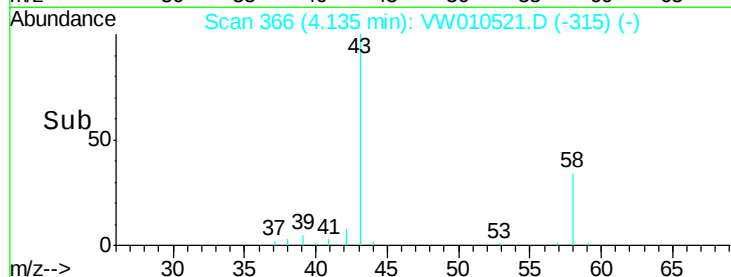
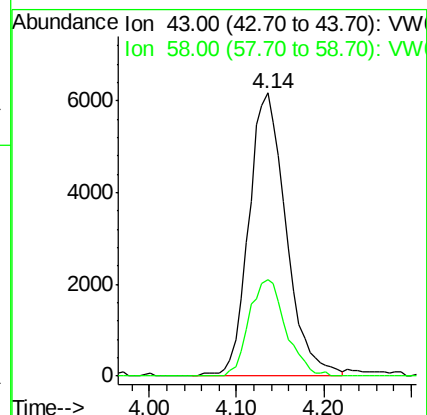
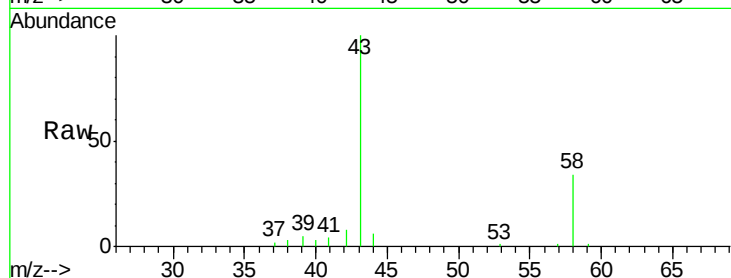
EWING-SP

Tot Ion: 43 Resp: 18346

Ion Ratio Lower Upper

43 100

58 34.2 27.0 40.4



#18

Methyl Acetate

Concen: 3.916 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW010521.D

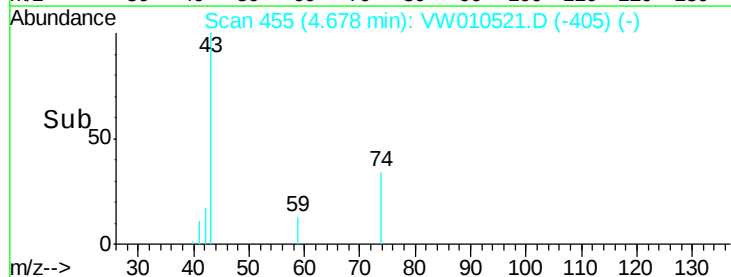
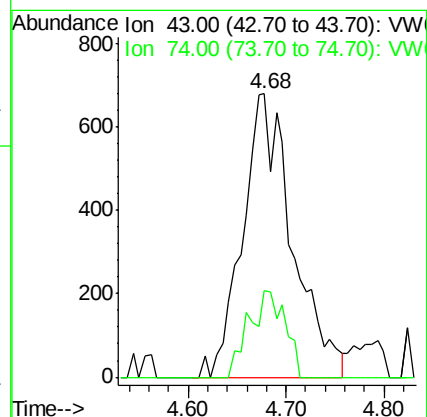
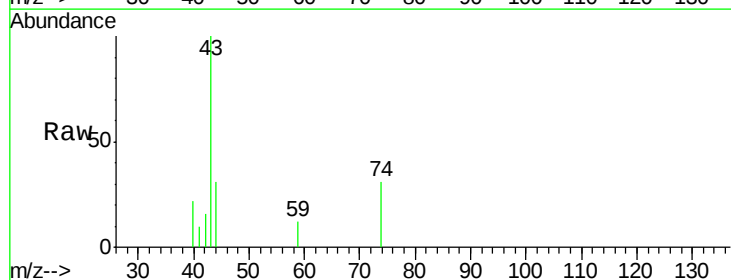
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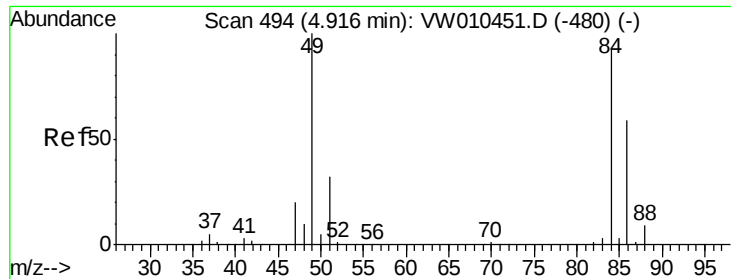
Tgt Ion: 43 Resp: 2408

Ion Ratio Lower Upper

43 100

74 21.8 21.6 32.4

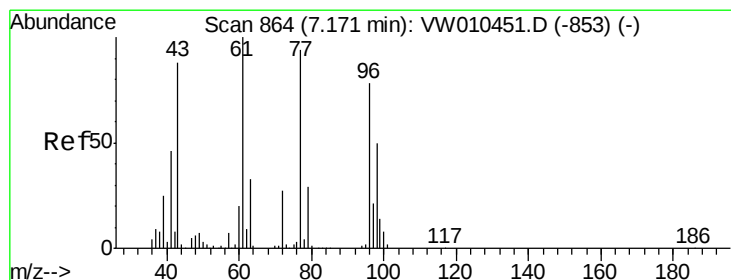
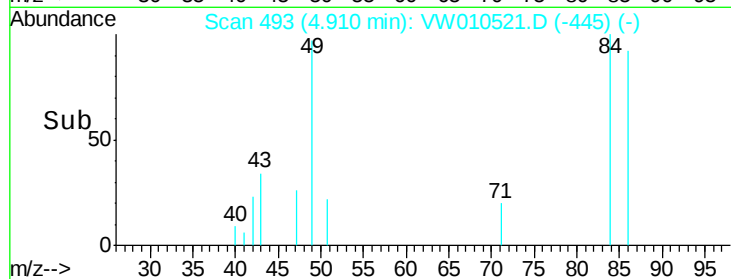
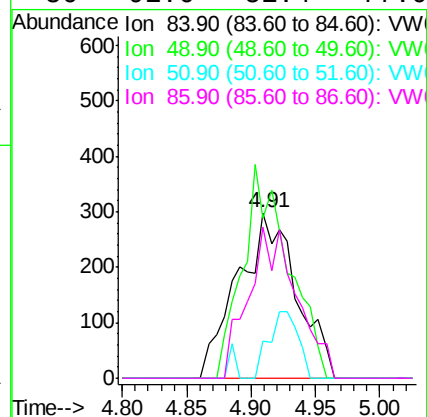
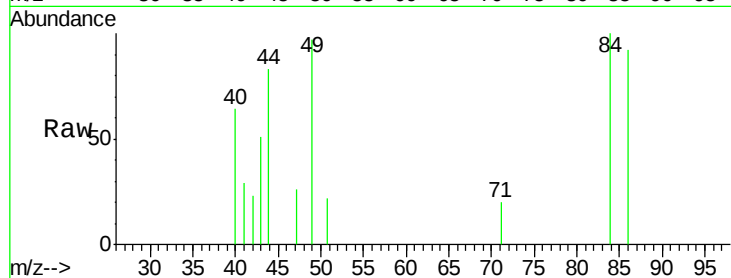




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010521.D
Acq: 22 May 2019 20:08

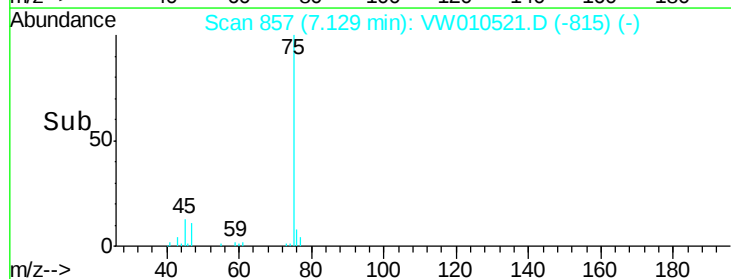
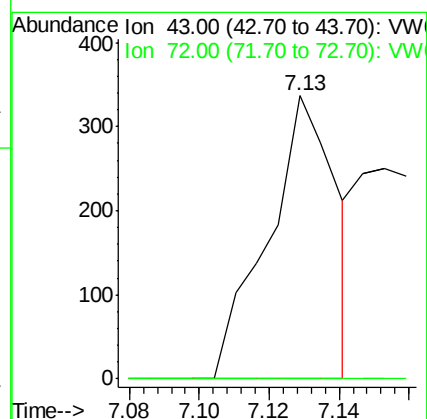
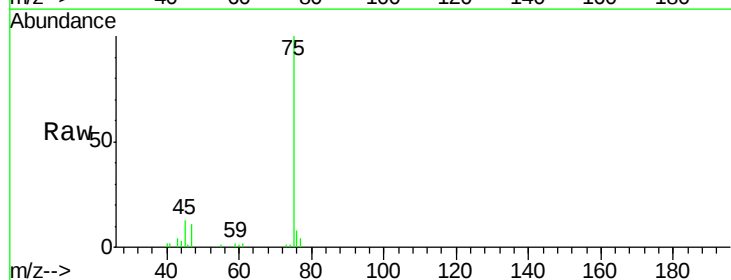
Instrument :
MSVOA_W
ClientSampleId :
EWING-SP

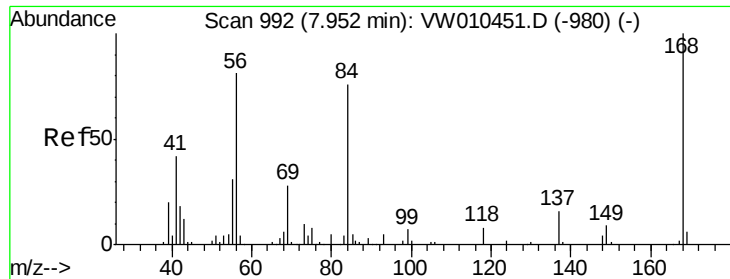
Tot Ion: 84 Resp: 940
Ion Ratio Lower Upper
84 100
49 97.0 87.2 130.8
51 22.5 27.7 41.5#
86 91.6 51.4 77.0#



#25
2-Butanone
Concen: 1.273 ug/l
RT: 7.13 min Scan# 857
Delta R.T. -0.04 min
Lab File: VW010521.D
Acq: 22 May 2019 20:08

Tgt Ion: 43 Resp: 458
Ion Ratio Lower Upper
43 100
72 0.0 24.1 36.1#

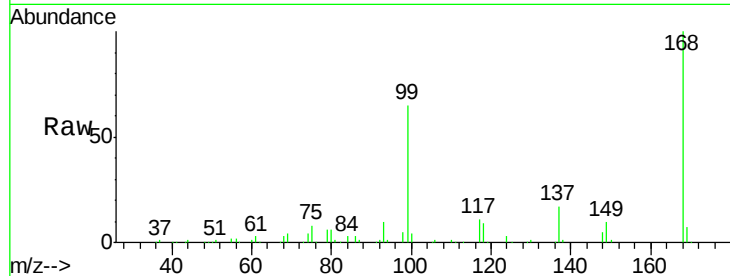




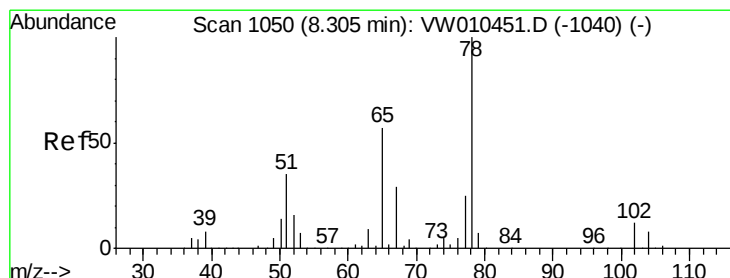
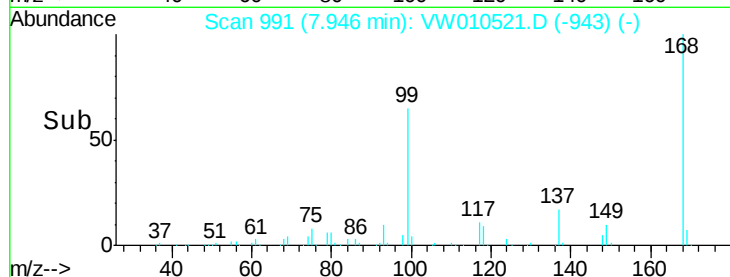
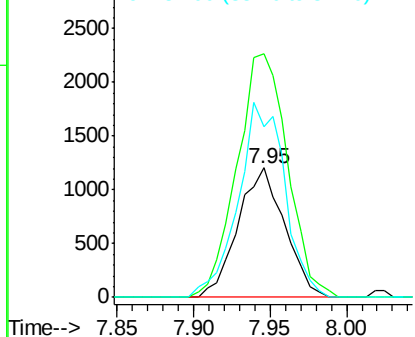
#31
Cyclohexane
Concen: 1.092 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010521.D
Acq: 22 May 2019 20:08

Instrument :
MSVOA_W
ClientSampled :
EWING-SP

Tot Ion: 56 Resp: 2554
Ion Ratio Lower Upper
56 100
69 188.2 28.2 42.2#
84 132.3 75.8 113.8#

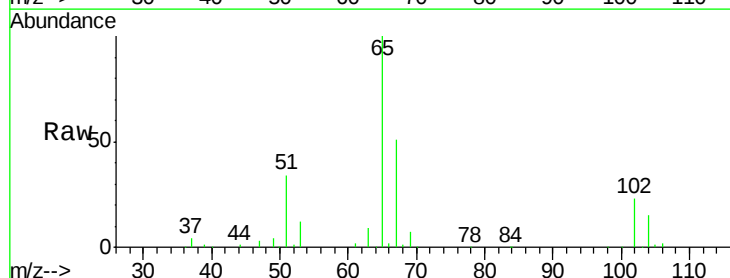


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

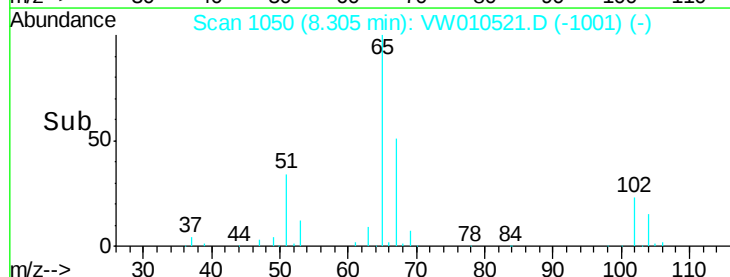
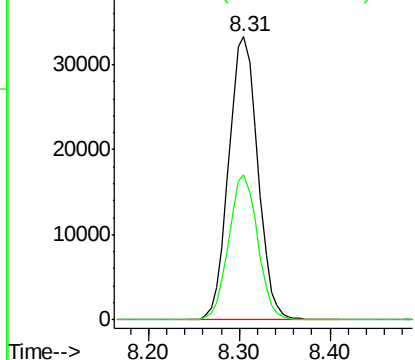


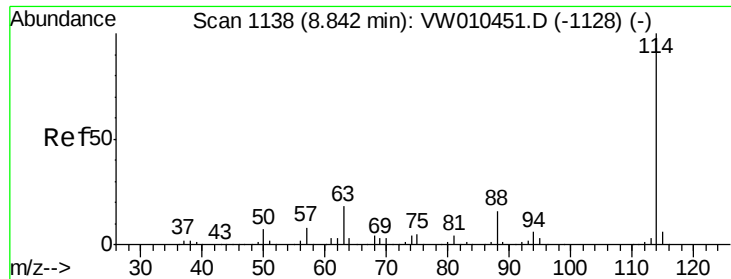
#33
1,2-Dichloroethane-d4
Concen: 60.162 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW010521.D
Acq: 22 May 2019 20:08

Tgt Ion: 65 Resp: 74095
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.6



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

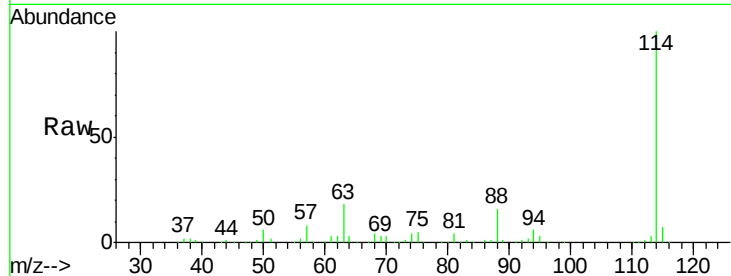




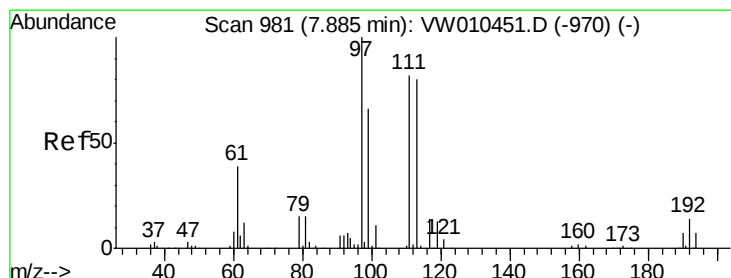
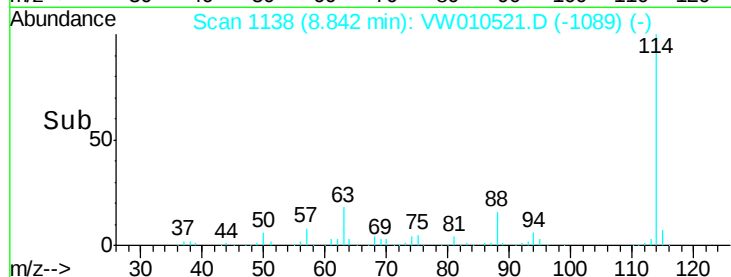
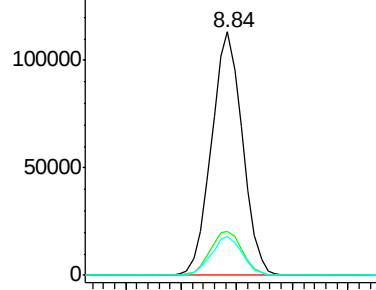
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010521.D
 Acq: 22 May 2019 20:08

Instrument :
 MSVOA_W
 ClientSampleId :
 EWING-SP

Tot Ion:114 Resp: 218710
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.0
 88 16.1 0.0 32.0

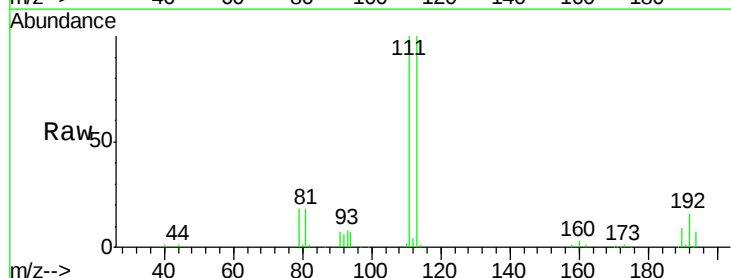


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

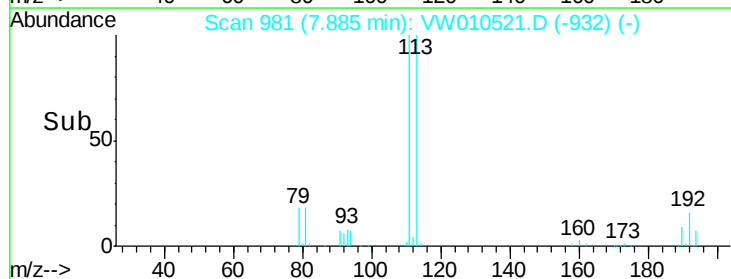
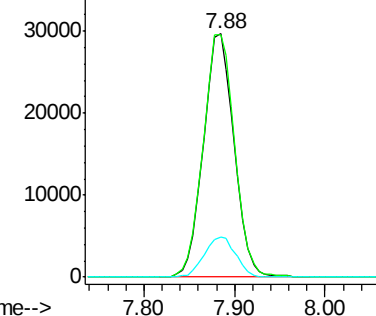


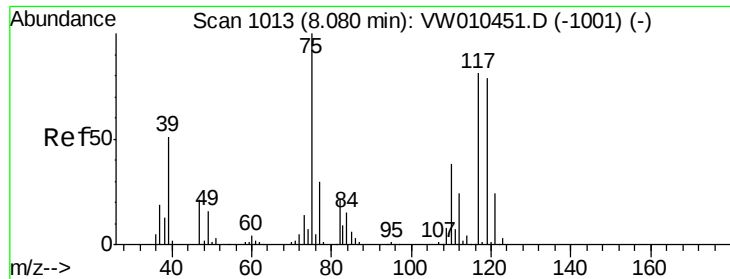
#35
 Dibromofluoromethane
 Concen: 52.342 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW010521.D
 Acq: 22 May 2019 20:08

Tgt Ion:113 Resp: 69462
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.2 123.4
 192 16.9 14.3 21.5



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: 4.769 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010521.D

Acq: 22 May 2019 20:08

Instrument :

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ClientSampleId :

EWING-SP

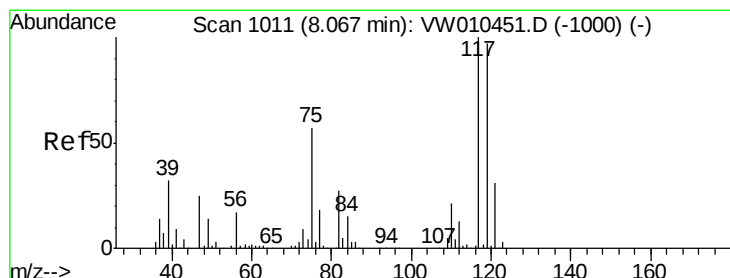
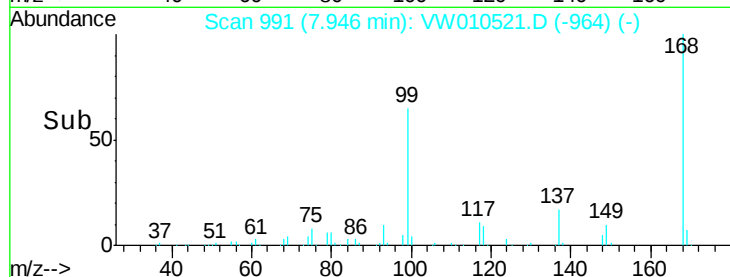
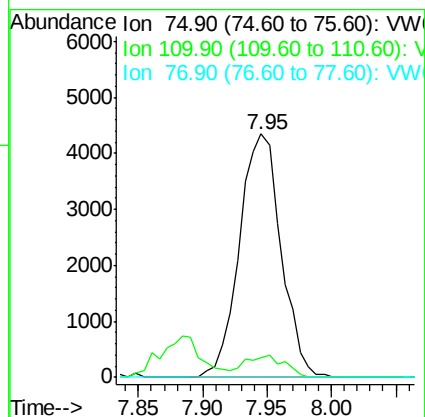
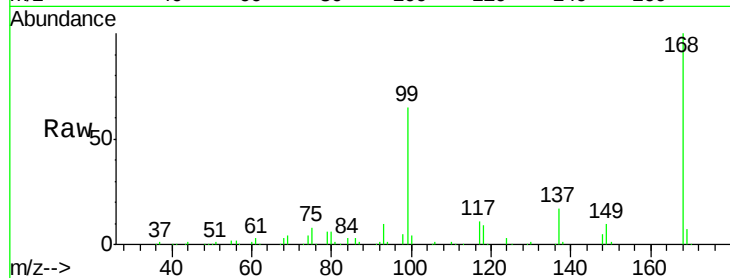
Tot Ion: 75 Resp: 9716

Ion Ratio Lower Upper

75 100

110 8.5 19.2 57.6#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 6.024 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010521.D

Acq: 22 May 2019 20:08

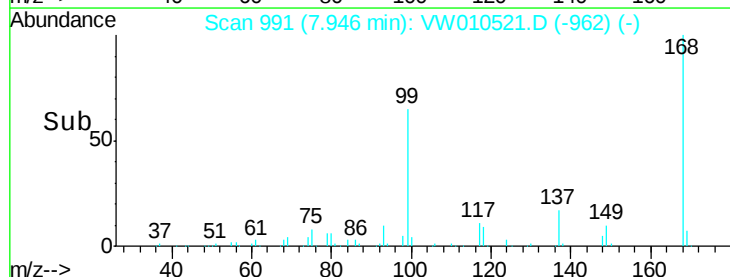
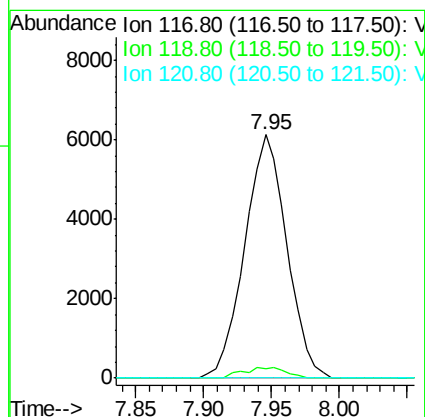
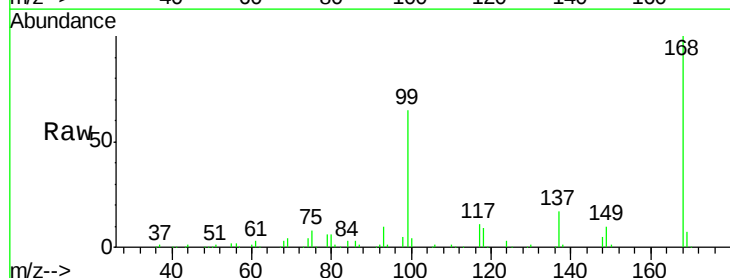
Tgt Ion: 117 Resp: 13239

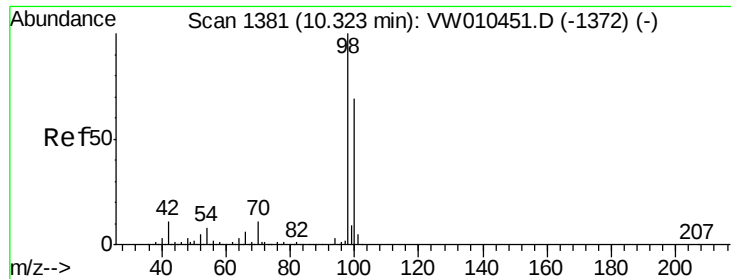
Ion Ratio Lower Upper

117 100

119 4.0 77.4 116.0#

121 0.0 25.0 37.6#





#50

Toluene-d8

Concen: 53.854 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010521.D

Acq: 22 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

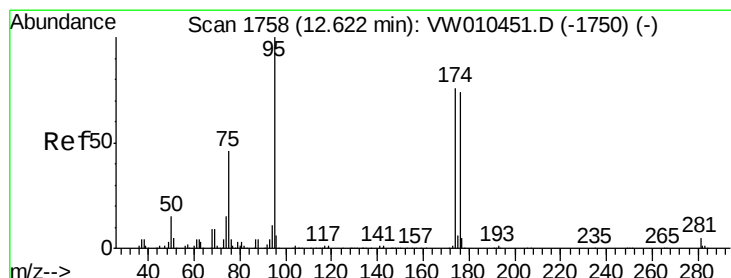
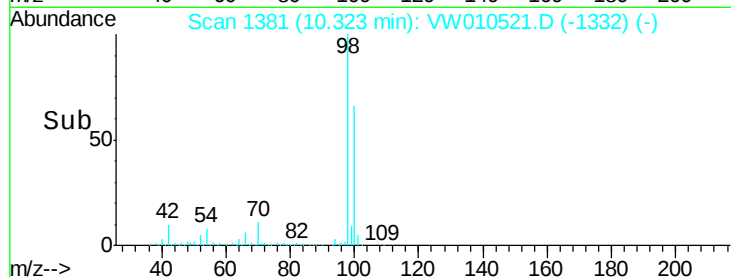
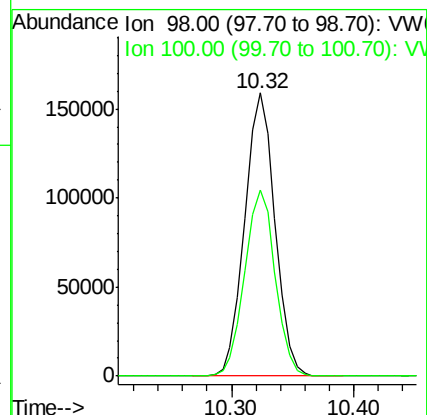
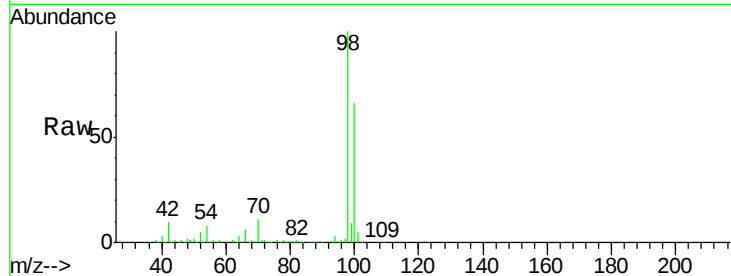
EWING-SP

Tot Ion: 98 Resp: 273027

Ion Ratio Lower Upper

98 100

100 66.3 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 50.055 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW010521.D

Acq: 22 May 2019 20:08

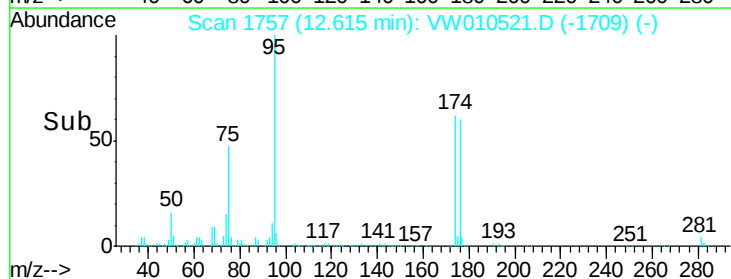
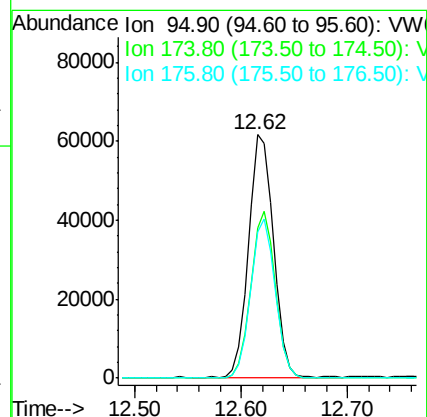
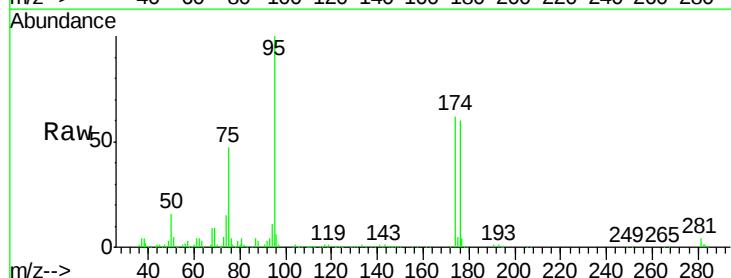
Tgt Ion: 95 Resp: 101080

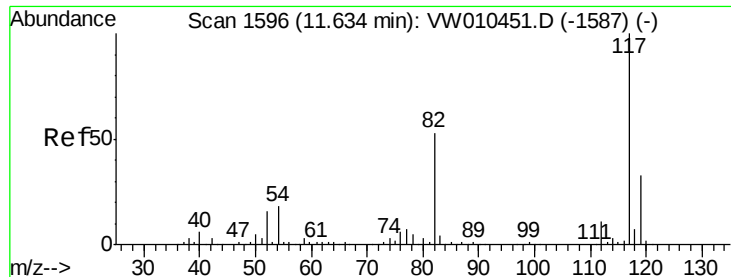
Ion Ratio Lower Upper

95 100

174 67.2 0.0 148.6

176 64.6 0.0 144.2

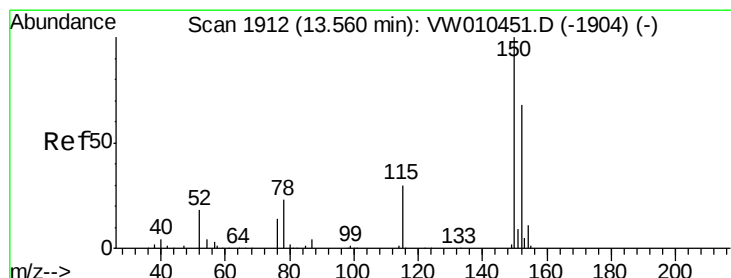
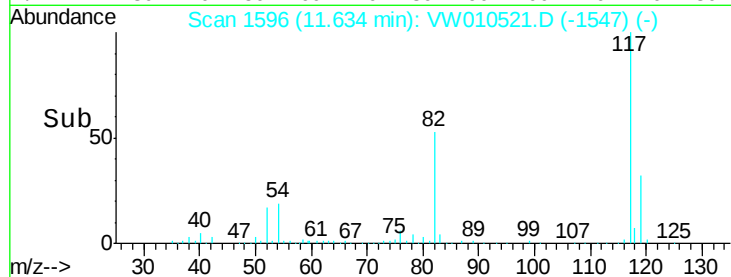
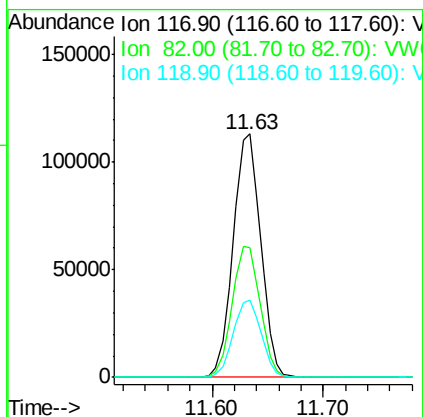
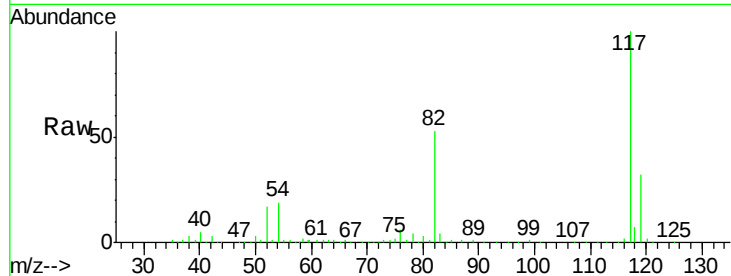




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010521.D
Acq: 22 May 2019 20:08

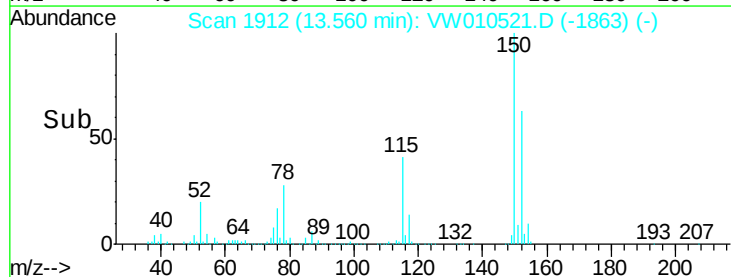
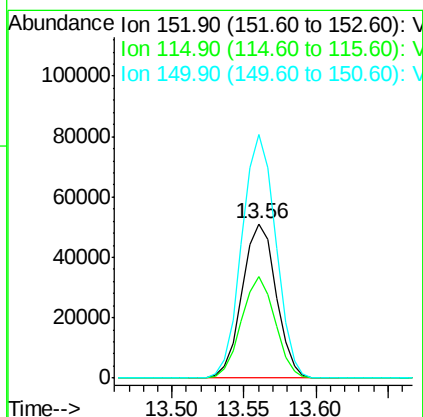
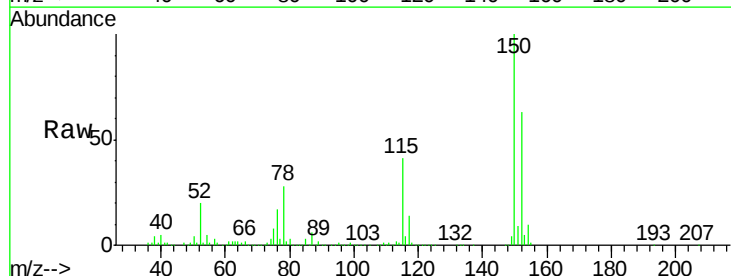
Instrument :
MSVOA_W
ClientSampleId :
EWING-SP

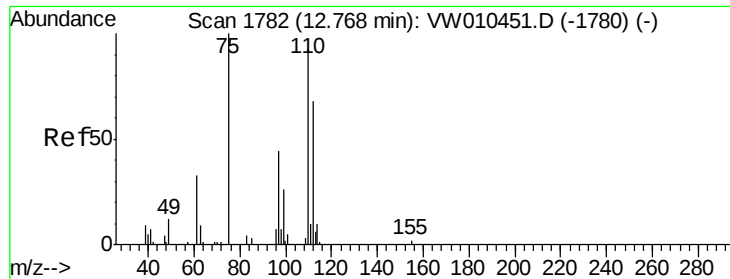
Tot Ion:117 Resp: 193831
Ion Ratio Lower Upper
117 100
82 53.2 42.8 64.2
119 31.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010521.D
Acq: 22 May 2019 20:08

Tgt Ion:152 Resp: 83638
Ion Ratio Lower Upper
152 100
115 64.7 30.3 91.0
150 157.7 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 56.087 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW010521.D

Acq: 22 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

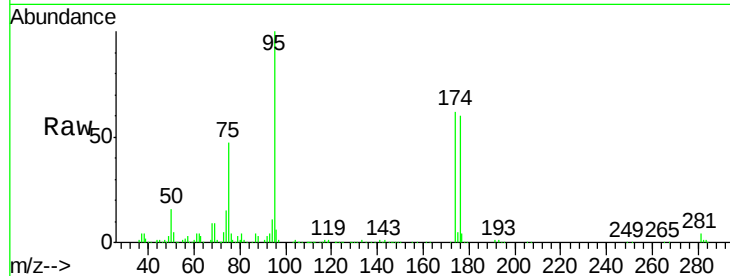
EWING-SP

Tot Ion: 75 Resp: 47617

Ion Ratio Lower Upper

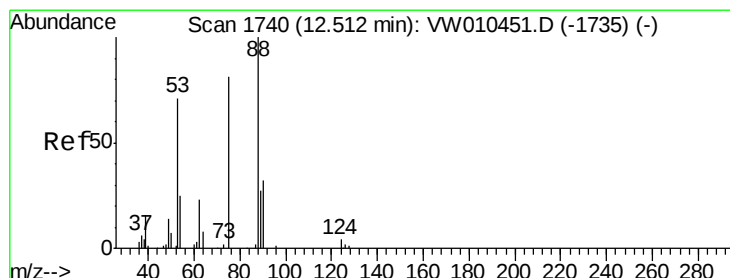
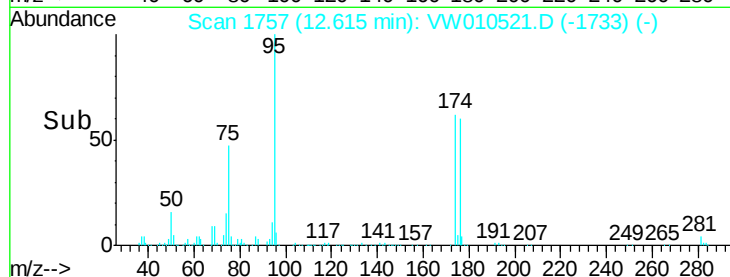
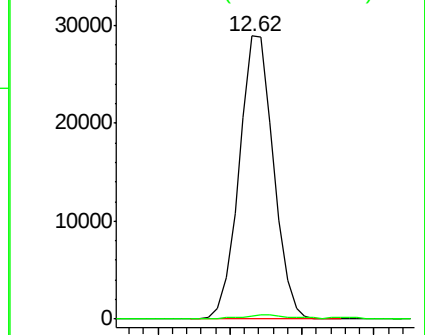
75 100

77 2.2 170.0 510.1#



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: 117.056 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW010521.D

Acq: 22 May 2019 20:08

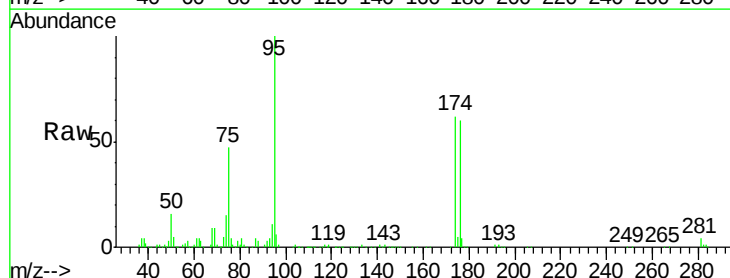
Tgt Ion: 75 Resp: 47617

Ion Ratio Lower Upper

75 100

53 0.3 69.8 104.8#

89 0.1 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

