

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011335.D
 Acq On : 18 Jul 2019 15:49
 Operator : SY/VA
 Sample : K3783-02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 19 06:44:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	178756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	309466	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	269052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	121554	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	132854	59.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.30%	
35) Dibromofluoromethane	7.88	113	98209	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
50) Toluene-d8	10.32	98	386584	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
62) 4-Bromofluorobenzene	12.62	95	133363	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	

Target Compounds

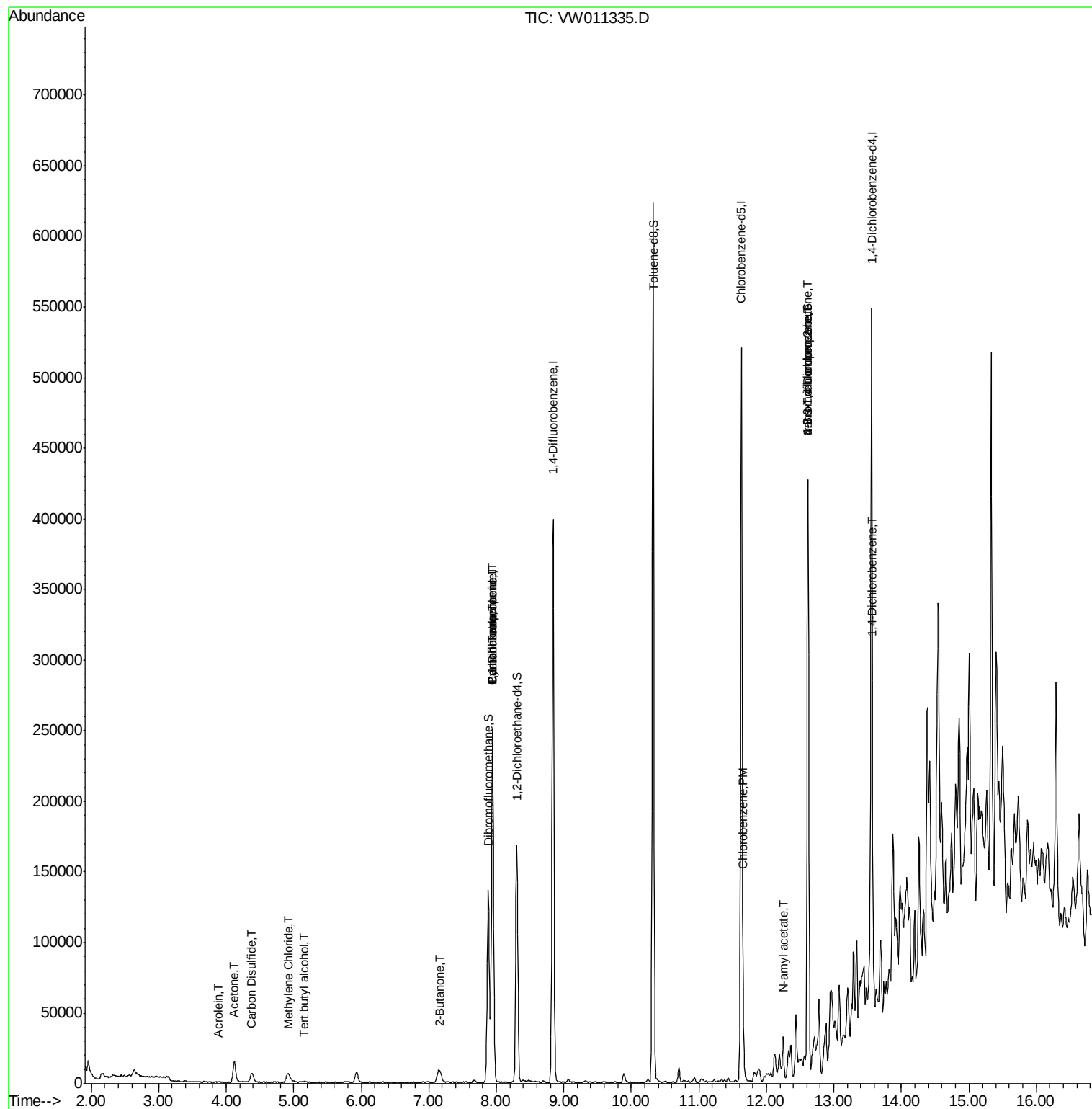
					Qvalue	
11) Tert butyl alcohol	5.15	59	665	3.999	ug/l #	70
13) Acrolein	3.89	56	202	1.525	ug/l #	53
16) Acetone	4.12	43	28841	53.365	ug/l	97
17) Carbon Disulfide	4.38	76	13764	2.286	ug/l	99
18) Methyl Acetate	4.68	43	230	Below Cal	#	57
20) Methylene Chloride	4.93	84	5226	2.451	ug/l	92
25) 2-Butanone	7.17	43	10445	12.312	ug/l	96
31) Cyclohexane	7.95	56	5763	1.325	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	15817	4.800	ug/l #	51
38) Carbon Tetrachloride	7.95	117	18088	6.475	ug/l #	16
65) Chlorobenzene	11.66	112	19470	3.559	ug/l	97
74) N-amyl acetate	12.25	43	6029	1.905	ug/l #	77
76) 1,2,3-Trichloropropane	12.62	75	72026	51.275	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	72026	115.973	ug/l #	6
88) 1,4-Dichlorobenzene	13.58	146	5230	1.324	ug/l #	20

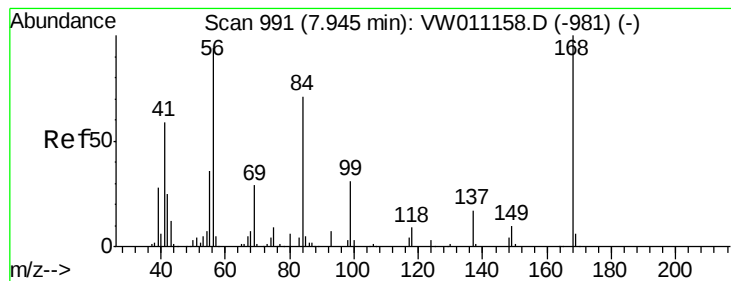
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011335.D

Acq: 18 Jul 2019 15:49

Instrument :

MSVOA_W

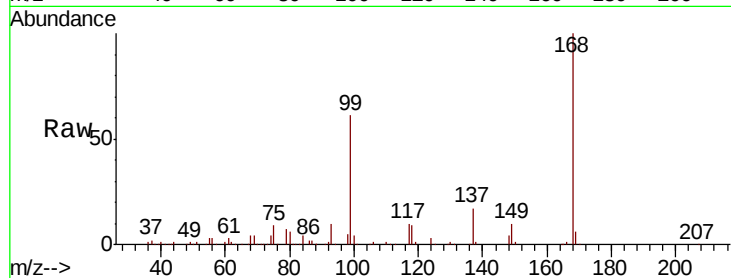
ClientSampled :

Tot Ion:168 Resp: 178756

Ion Ratio Lower Upper

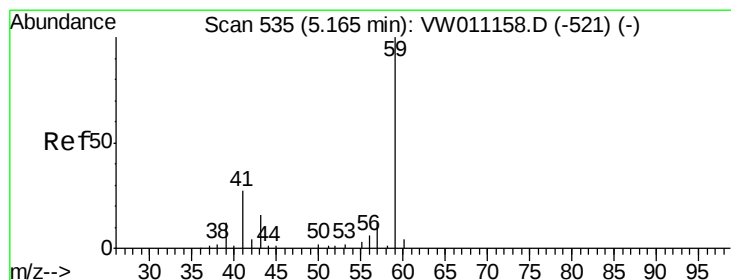
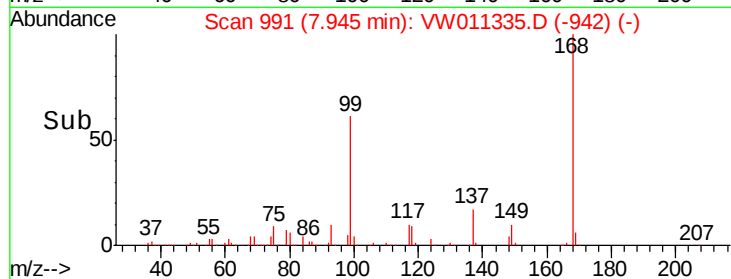
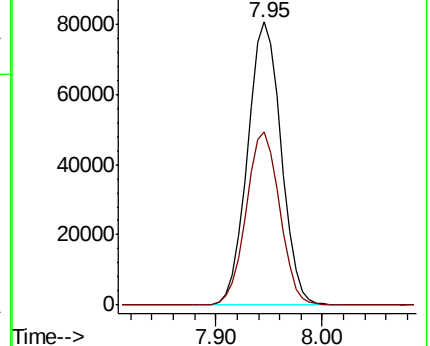
168 100

99 61.3 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 3.999 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW011335.D

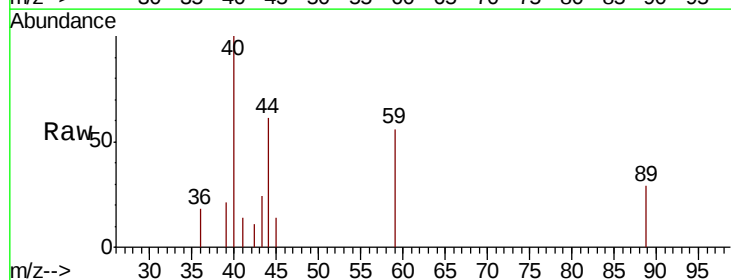
Acq: 18 Jul 2019 15:49

Tgt Ion: 59 Resp: 665

Ion Ratio Lower Upper

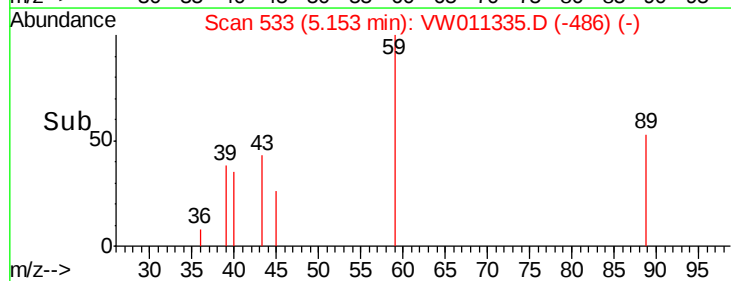
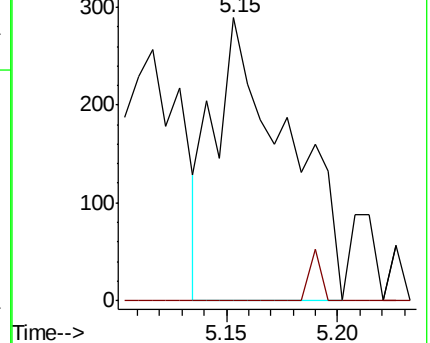
59 100

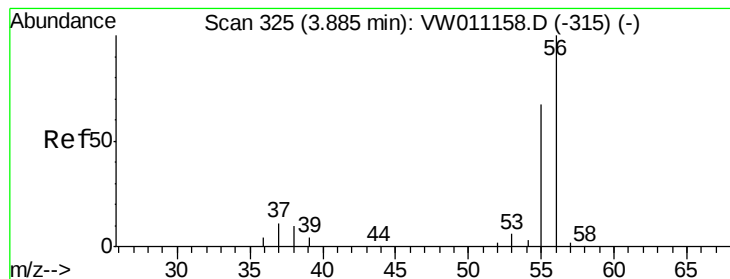
57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.525 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011335.D

Acq: 18 Jul 2019 15:49

Instrument :

MSVOA_W

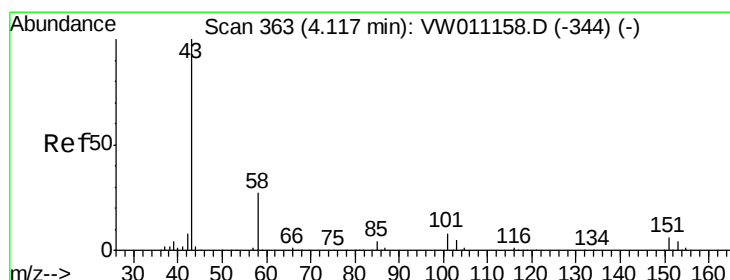
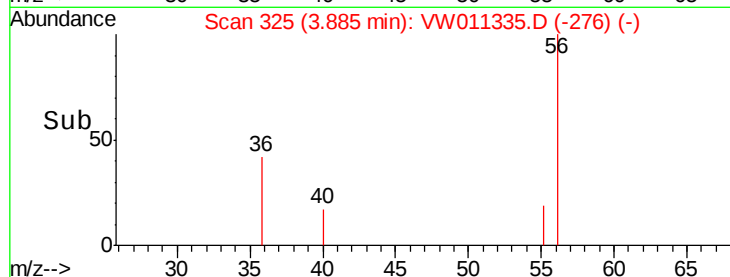
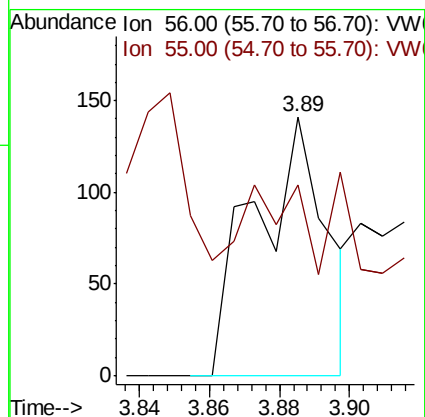
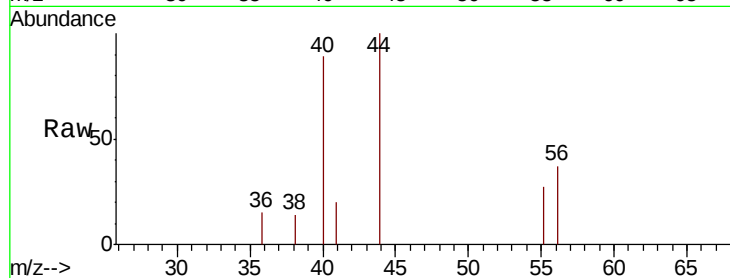
ClientSampled :

Tot Ion: 56 Resp: 202

Ion Ratio Lower Upper

56 100

55 32.2 56.4 84.6#



#16

Acetone

Concen: 53.365 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011335.D

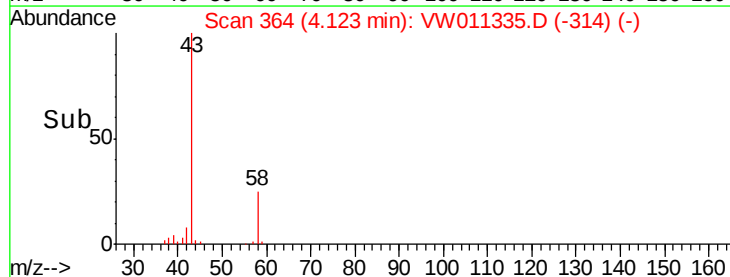
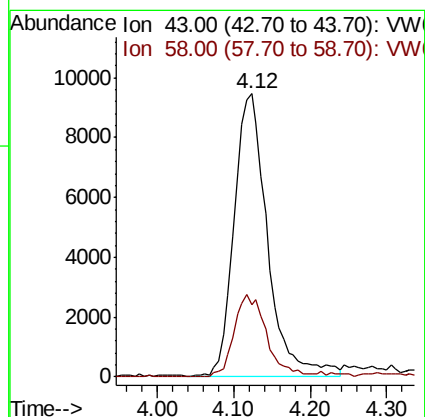
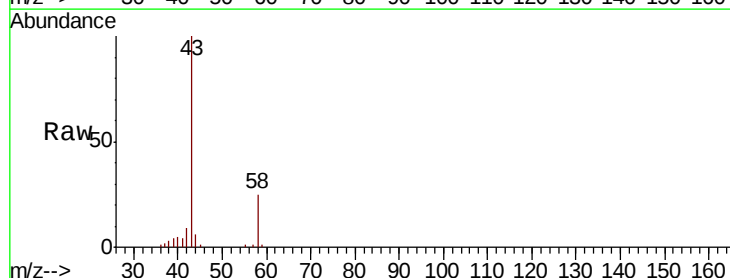
Acq: 18 Jul 2019 15:49

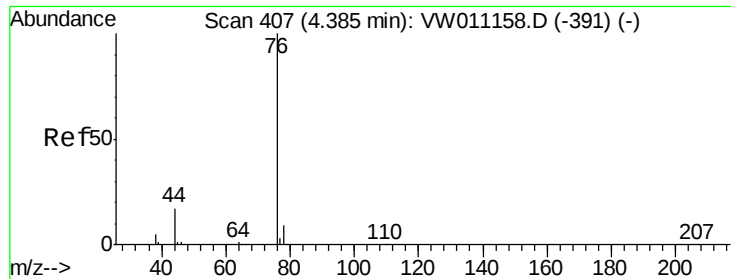
Tgt Ion: 43 Resp: 28841

Ion Ratio Lower Upper

43 100

58 25.5 21.8 32.6





#17

Carbon Disulfide

Concen: 2.286 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011335.D

Acq: 18 Jul 2019 15:49

Instrument :

MSVOA_W

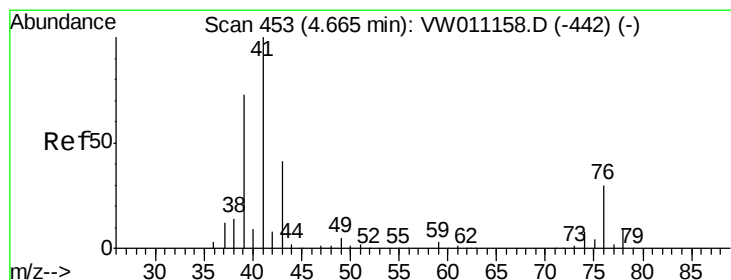
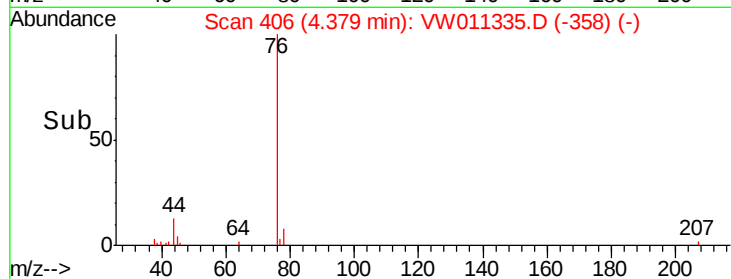
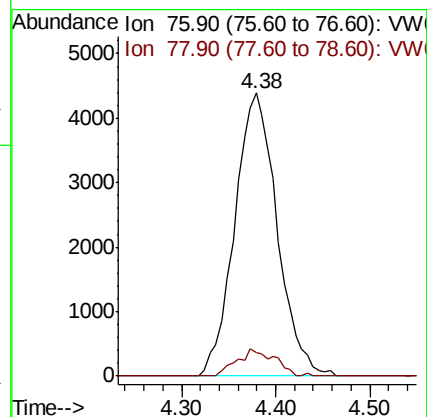
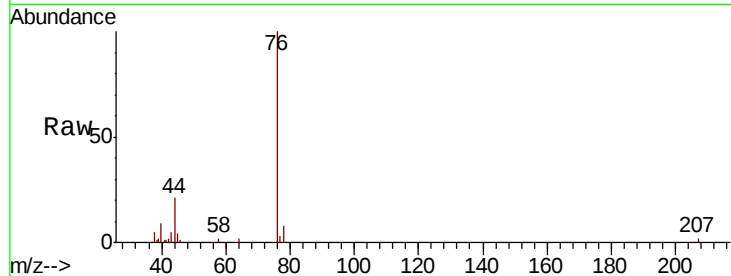
ClientSampled :

Tot Ion: 76 Resp: 13764

Ion Ratio Lower Upper

76 100

78 8.5 7.1 10.7



#18

Methyl Acetate

Concen: Below Cal

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW011335.D

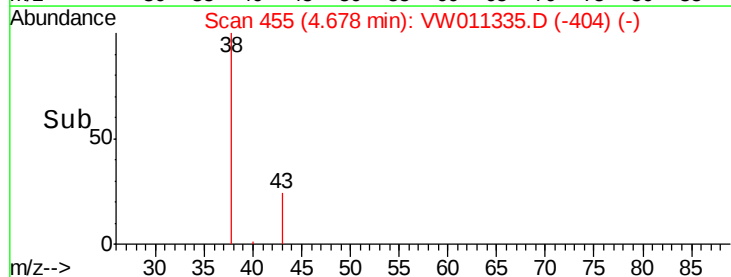
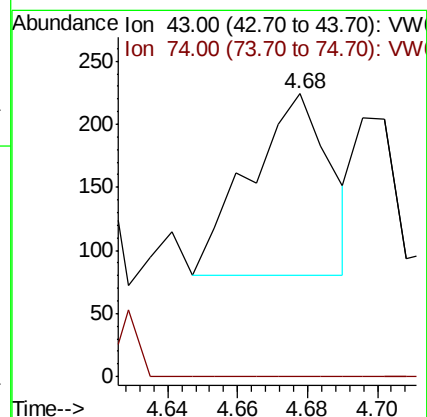
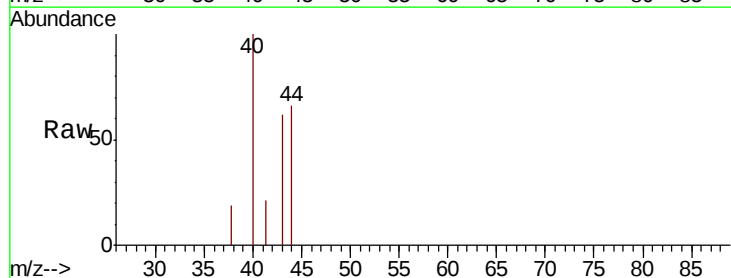
Acq: 18 Jul 2019 15:49

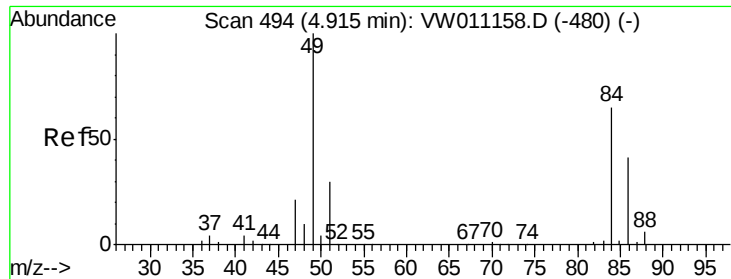
Tgt Ion: 43 Resp: 230

Ion Ratio Lower Upper

43 100

74 0.0 15.7 23.5#

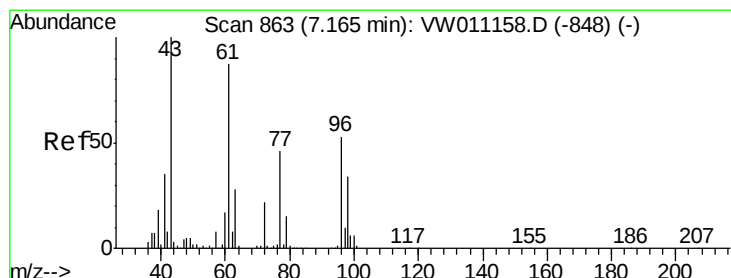
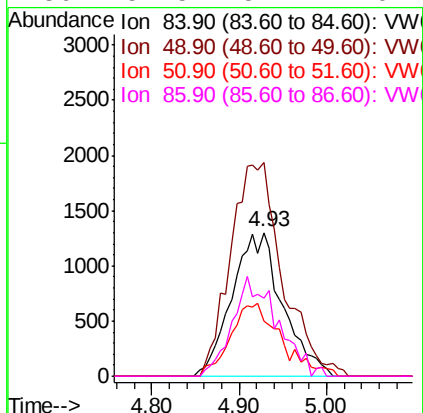
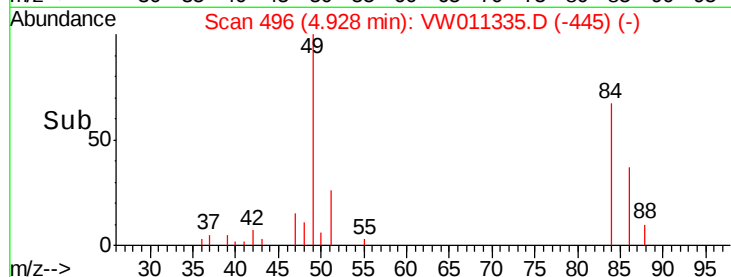
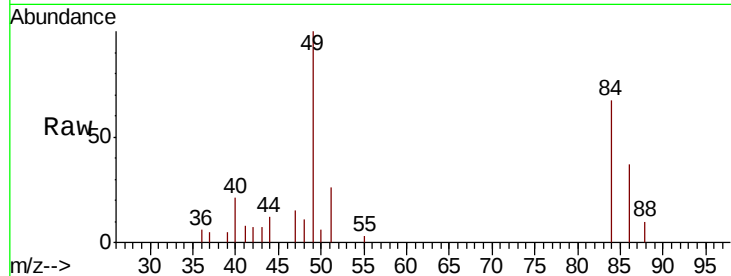




#20
Methvlene Chloride
Concen: 2.451 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW011335.D
Acq: 18 Jul 2019 15:49

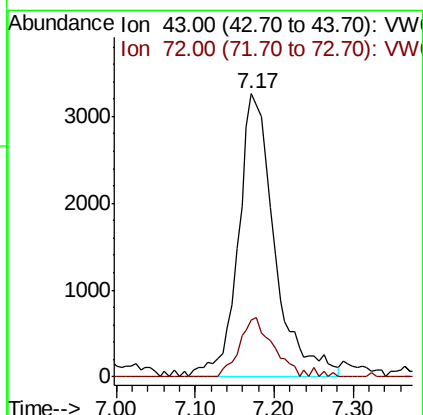
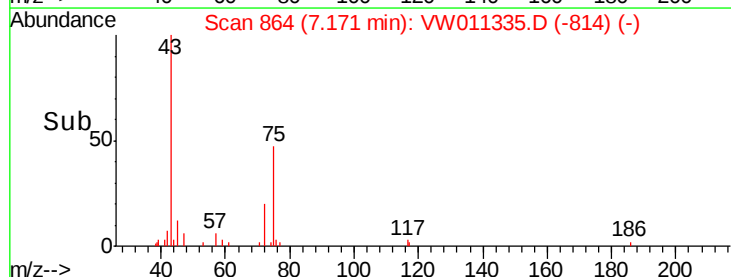
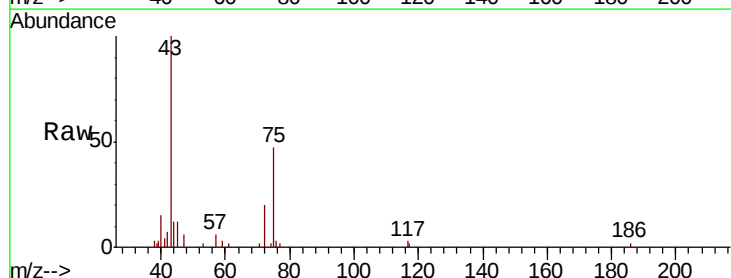
Instrument :
MSVOA_W
ClientSampleId :

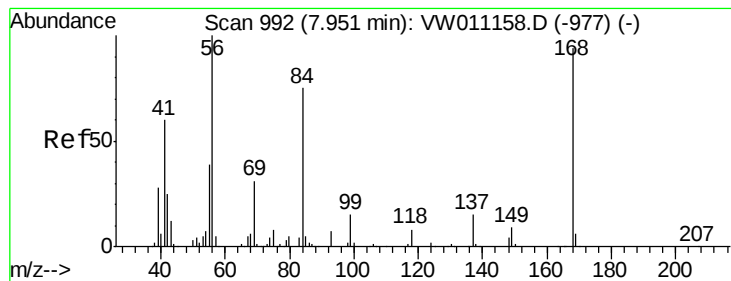
Tot Ion: 84 Resp: 5226
Ion Ratio Lower Upper
84 100
49 148.6 123.8 185.6
51 38.3 37.4 56.2
86 54.5 51.1 76.7



#25
2-Butanone
Concen: 12.312 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW011335.D
Acq: 18 Jul 2019 15:49

Tgt Ion: 43 Resp: 10445
Ion Ratio Lower Upper
43 100
72 19.9 17.6 26.4





#31

Cyclohexane

Concen: 1.325 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011335.D

Acq: 18 Jul 2019 15:49

Instrument :
MSVOA_W
ClientSampled :

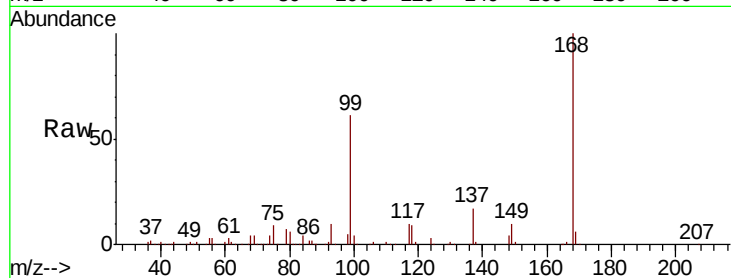
Tot Ion: 56 Resp: 5763

Ion Ratio Lower Upper

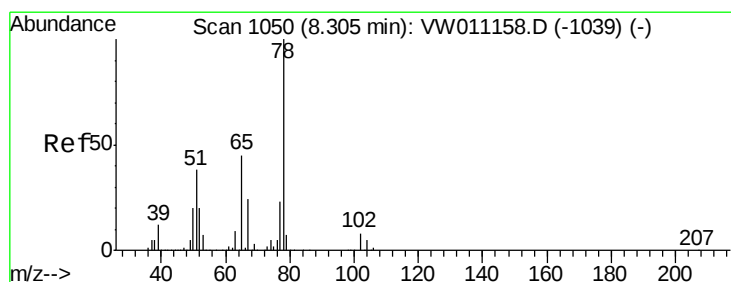
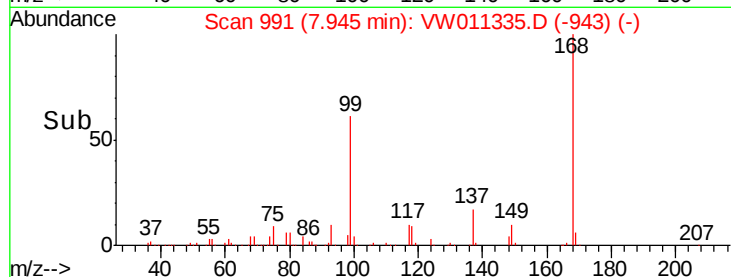
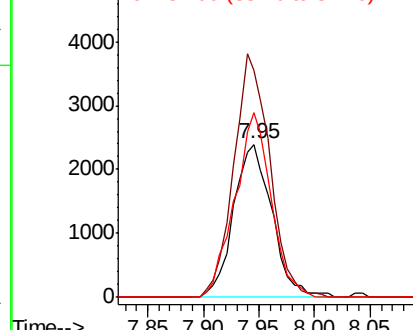
56 100

69 148.2 24.6 36.8#

84 120.9 60.1 90.1#



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: 59.148 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011335.D

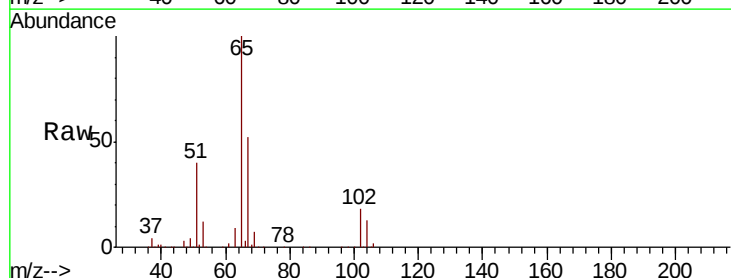
Acq: 18 Jul 2019 15:49

Tgt Ion: 65 Resp: 132854

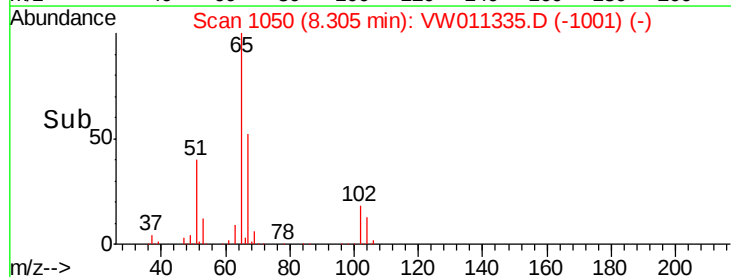
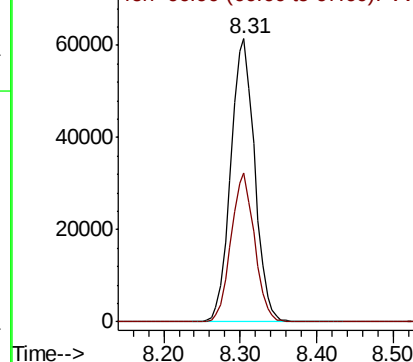
Ion Ratio Lower Upper

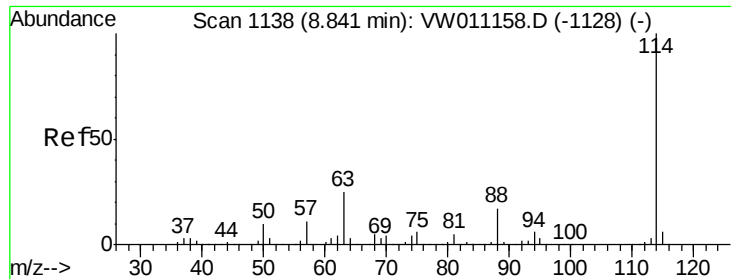
65 100

67 51.7 0.0 104.4



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

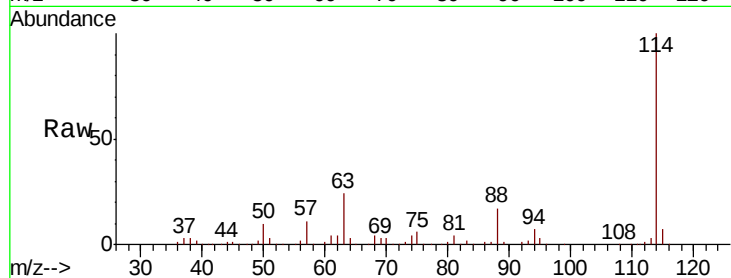




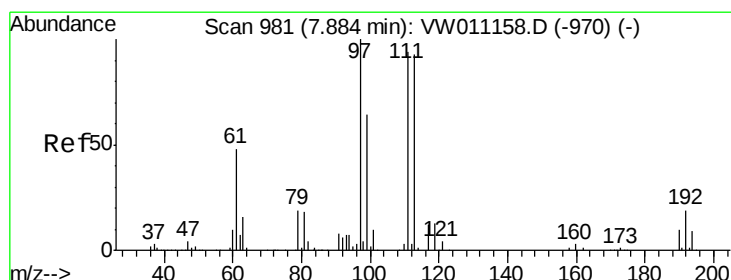
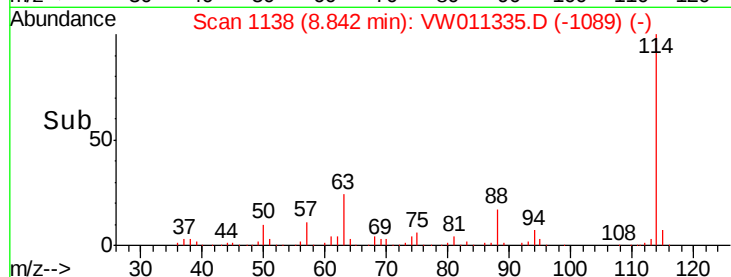
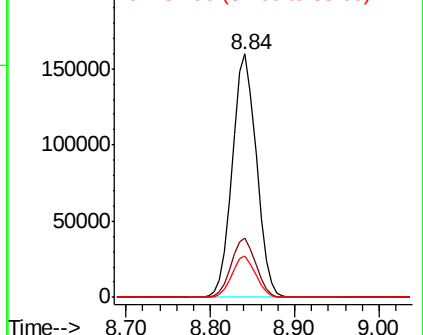
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW011335.D
Acq: 18 Jul 2019 15:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:114 Resp: 309466
Ion Ratio Lower Upper
114 100
63 24.3 0.0 50.8
88 16.8 0.0 34.2

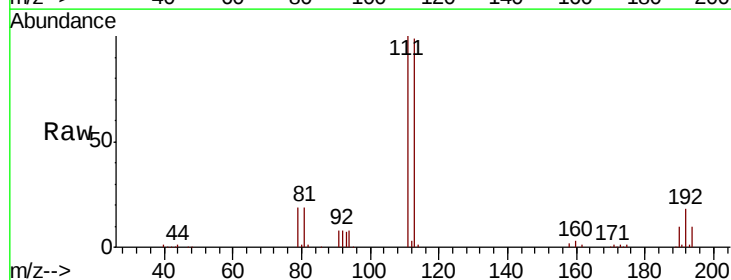


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

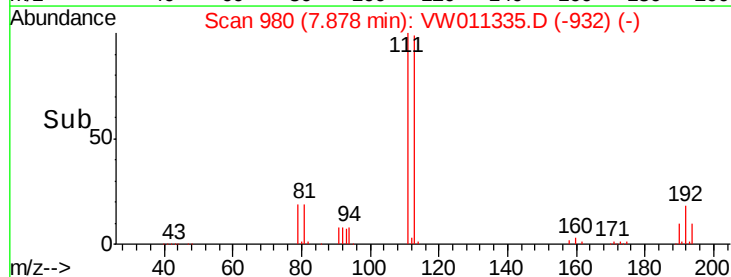
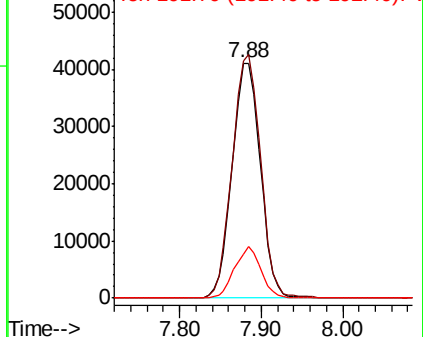


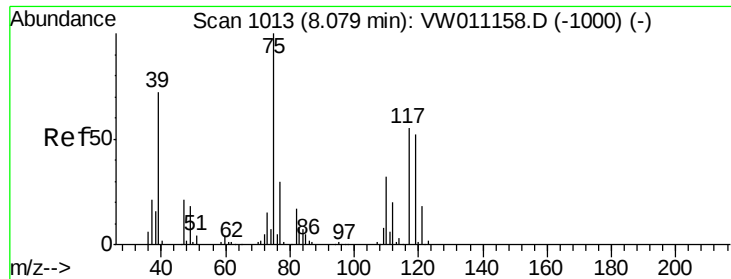
#35
Dibromofluoromethane
Concen: 53.243 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW011335.D
Acq: 18 Jul 2019 15:49

Tgt Ion:113 Resp: 98209
Ion Ratio Lower Upper
113 100
111 103.7 82.4 123.6
192 19.9 15.8 23.8



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

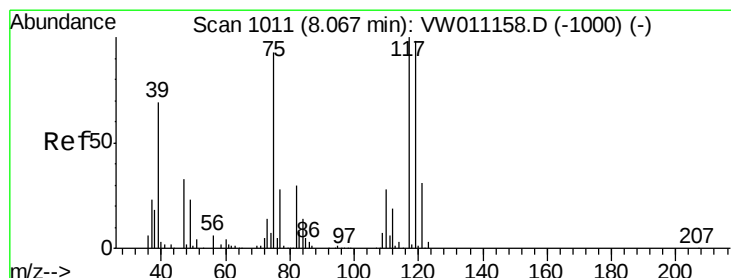
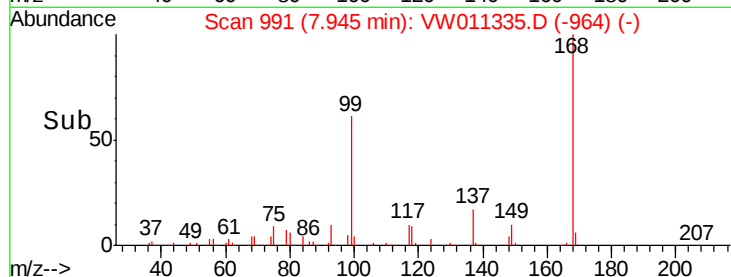
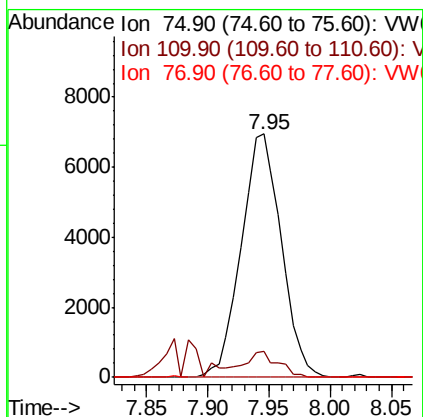
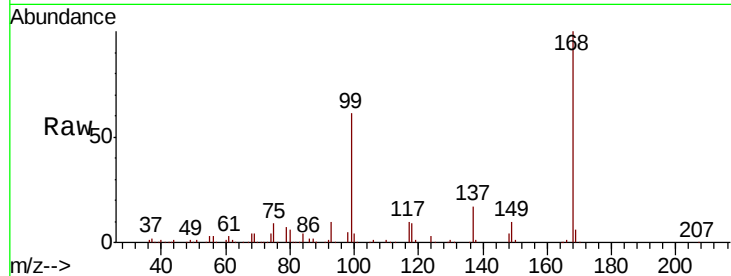




#36
 1,1-Dichloropropene
 Concen: 4.800 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011335.D
 Acq: 18 Jul 2019 15:49

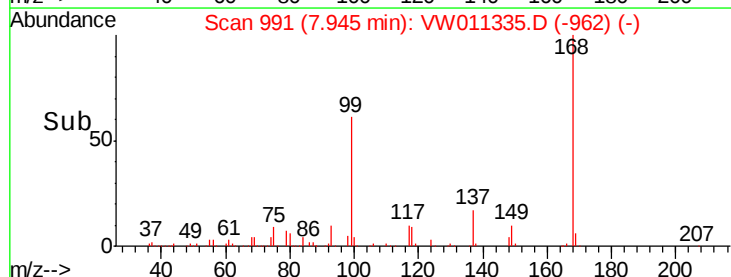
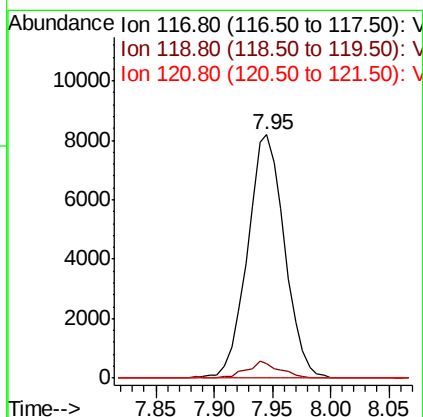
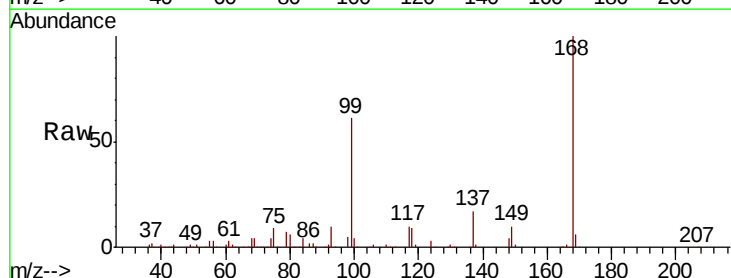
Instrument :
 MSVOA_W
 ClientSampled :

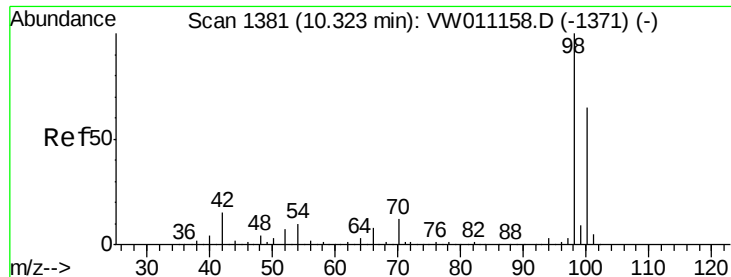
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	15.9	47.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.475 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011335.D
 Acq: 18 Jul 2019 15:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	78.1	117.1#
121	0.0	25.1	37.7#





#50

Toluene-d8

Concen: 51.849 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011335.D

Acq: 18 Jul 2019 15:49

Instrument :

MSVOA_W

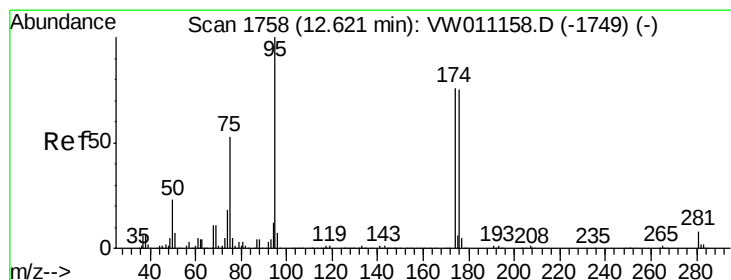
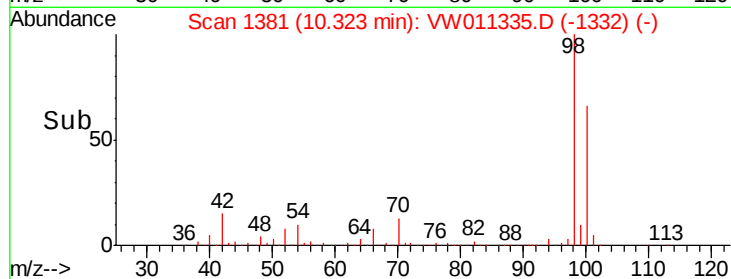
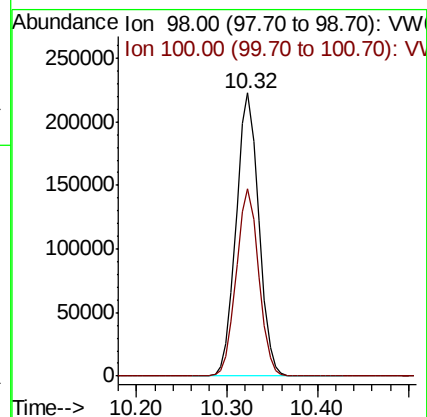
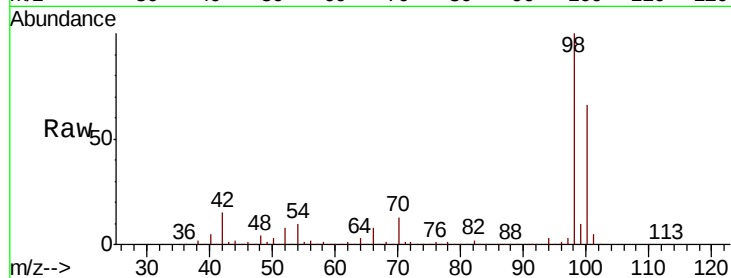
ClientSampled :

Tot Ion: 98 Resp: 386584

Ion Ratio Lower Upper

98 100

100 65.3 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 48.800 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011335.D

Acq: 18 Jul 2019 15:49

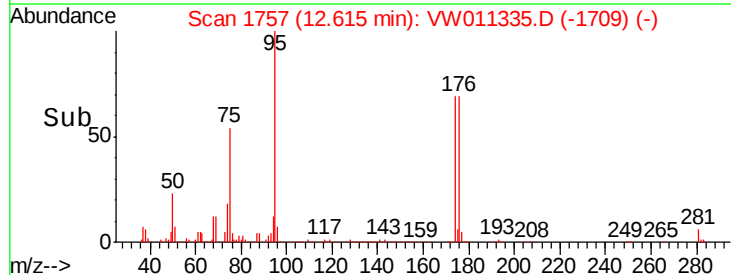
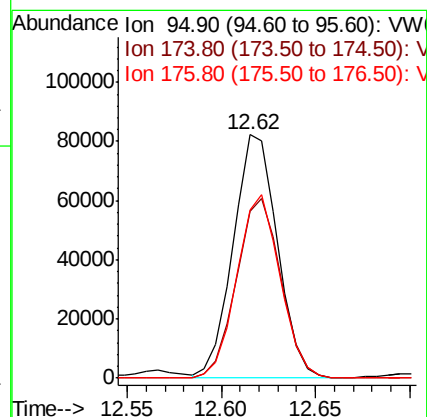
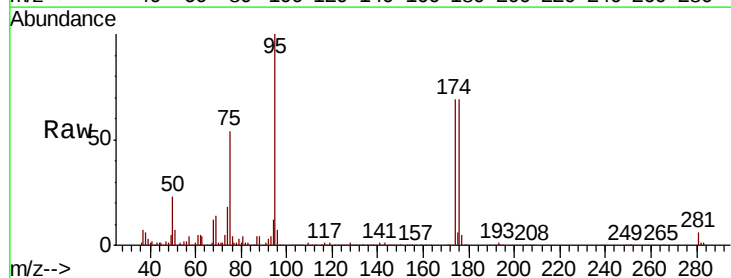
Tgt Ion: 95 Resp: 133363

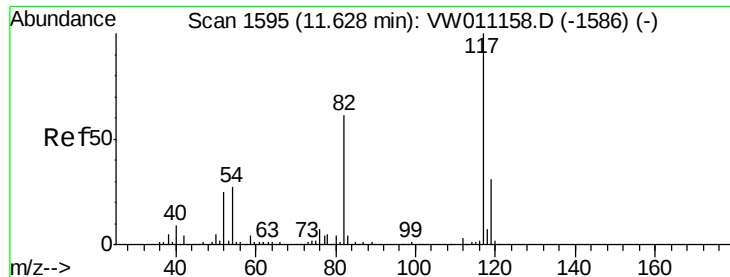
Ion Ratio Lower Upper

95 100

174 74.5 0.0 147.6

176 73.9 0.0 144.6

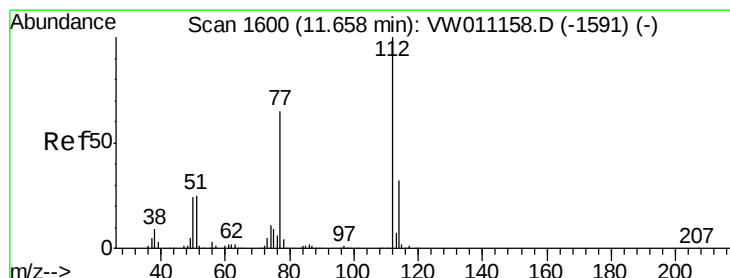
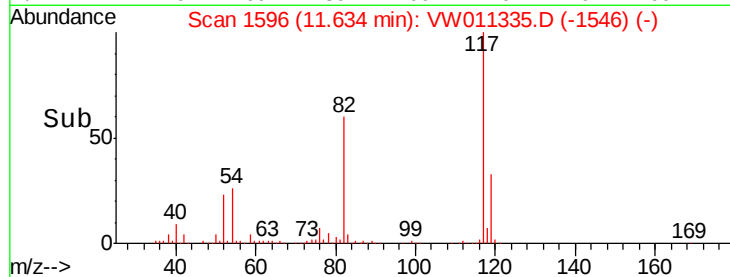
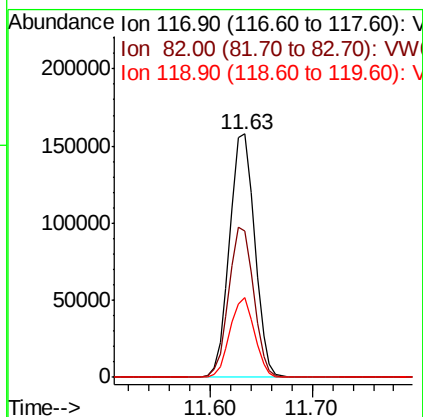
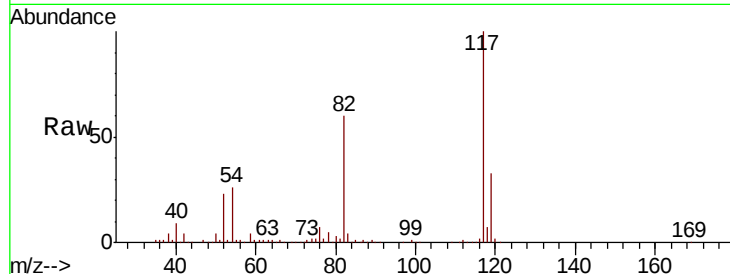




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011335.D
Acq: 18 Jul 2019 15:49

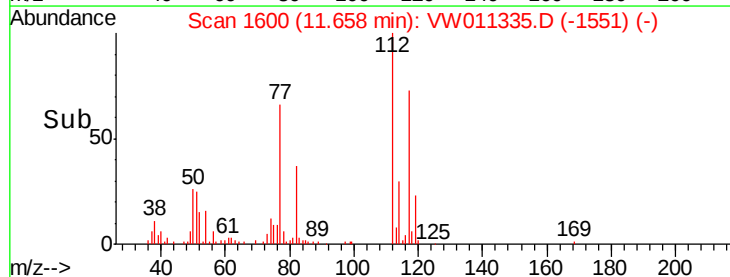
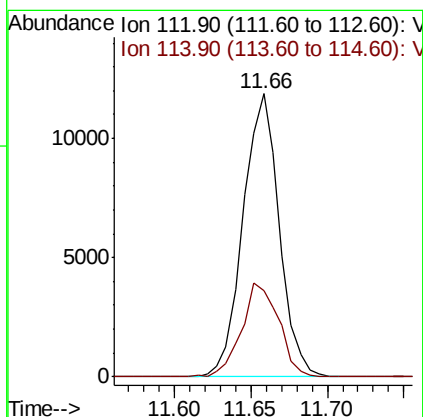
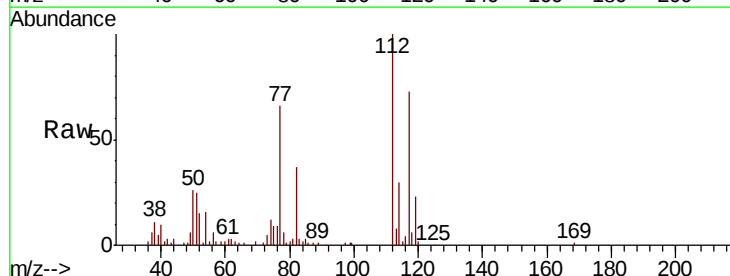
Instrument :
MSVOA_W
ClientSampleId :

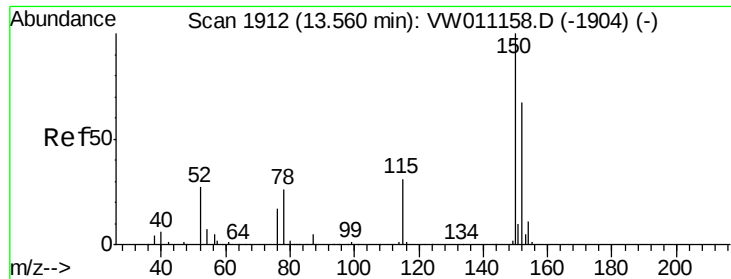
Tot Ion:117 Resp: 269052
Ion Ratio Lower Upper
117 100
82 60.3 48.9 73.3
119 32.8 25.0 37.6



#65
Chlorobenzene
Concen: 3.559 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011335.D
Acq: 18 Jul 2019 15:49

Tgt Ion:112 Resp: 19470
Ion Ratio Lower Upper
112 100
114 30.3 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011335.D

Acq: 18 Jul 2019 15:49

Instrument :

MSVOA_W

ClientSampleId :

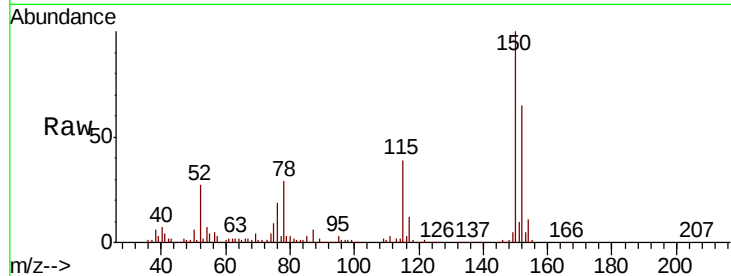
Tot Ion:152 Resp: 121554

Ion Ratio Lower Upper

152 100

115 59.5 30.1 90.3

150 153.0 0.0 346.0

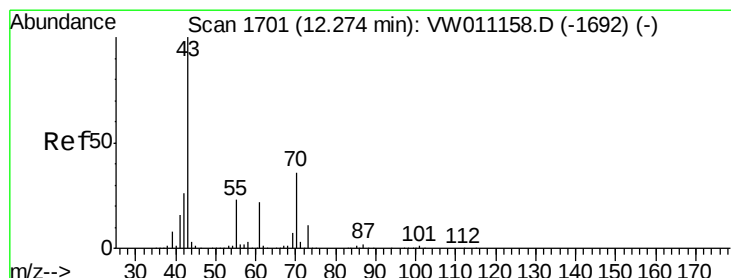
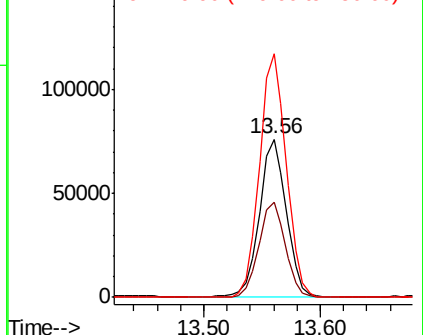
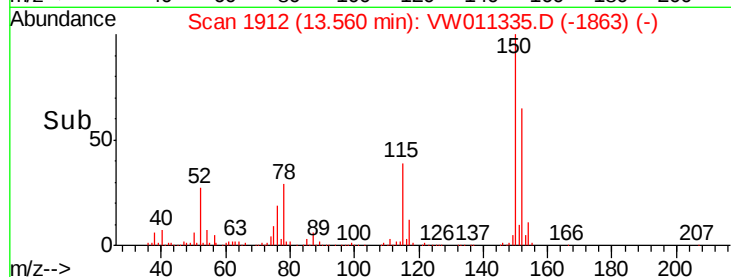


Abundance

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



#74

N-ethyl acetate

Concen: 1.905 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW011335.D

Acq: 18 Jul 2019 15:49

Tgt Ion: 43 Resp: 6029

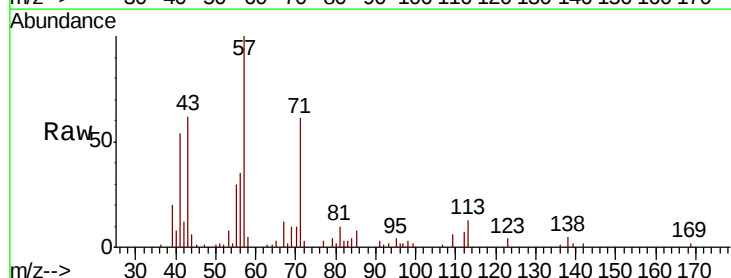
Ion Ratio Lower Upper

43 100

70 27.7 28.5 42.7#

55 31.4 18.1 27.1#

61 0.0 17.2 25.8#



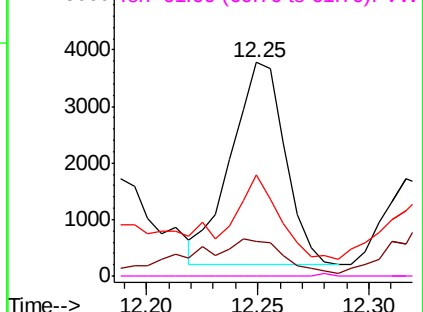
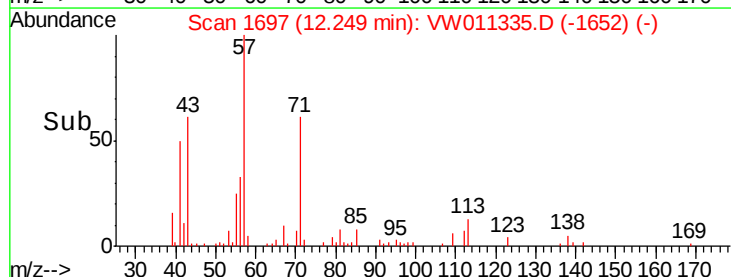
Abundance

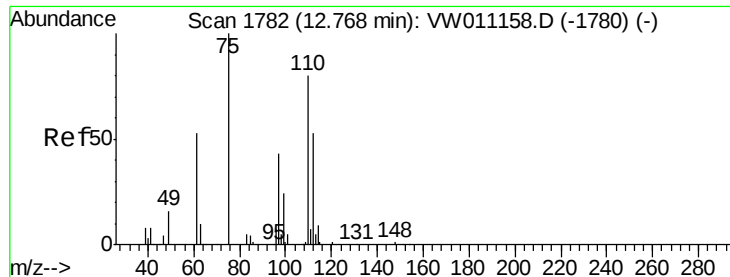
Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#76

1,2,3-Trichloropropane

Concen: 51.275 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011335.D

Acq: 18 Jul 2019 15:49

Instrument :

MSVOA_W

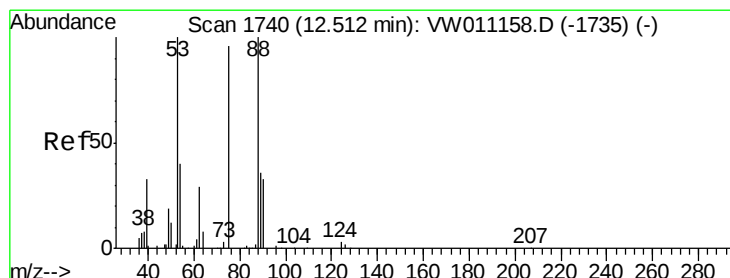
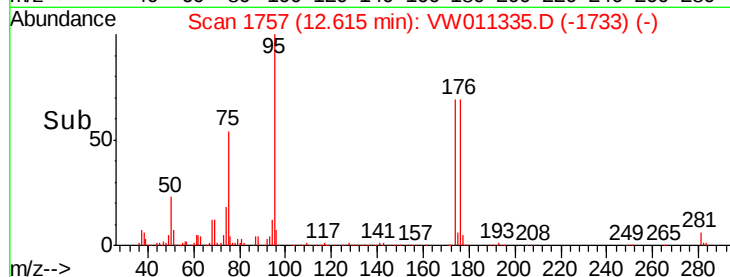
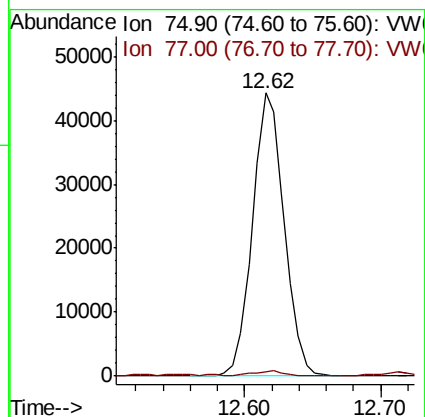
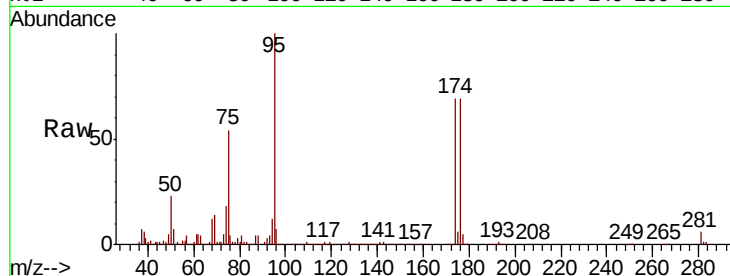
ClientSampleId :

Tot Ion: 75 Resp: 72026

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 115.973 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011335.D

Acq: 18 Jul 2019 15:49

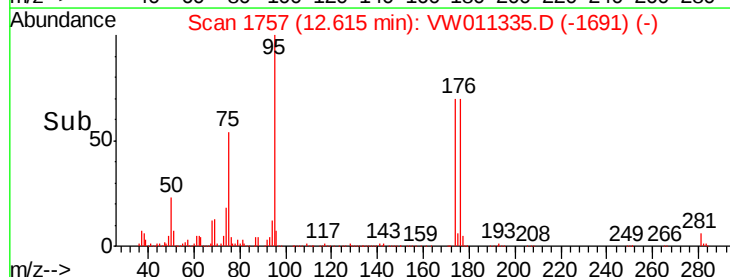
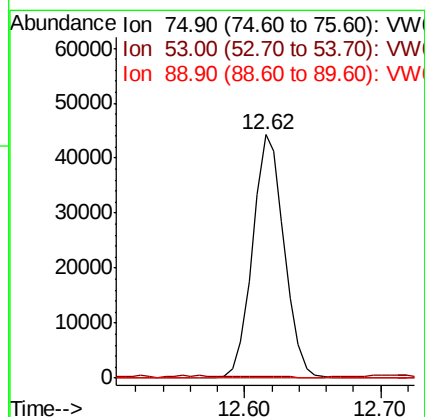
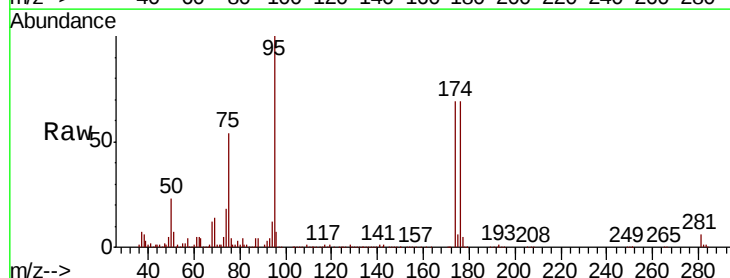
Tgt Ion: 75 Resp: 72026

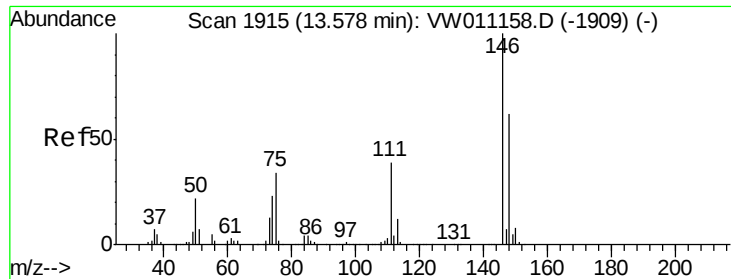
Ion Ratio Lower Upper

75 100

53 0.7 89.8 134.6#

89 0.0 34.3 51.5#





#88

1,4-Dichlorobenzene

Concen: 1.324 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW011335.D

Acq: 18 Jul 2019 15:49

Instrument :

MSVOA_W

ClientSampleId :

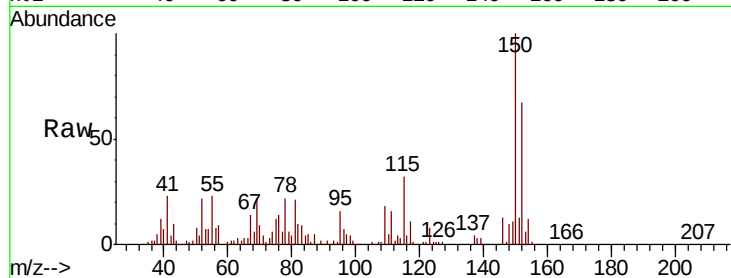
Tot Ion:146 Resp: 5230

Ion Ratio Lower Upper

146 100

111 152.8 19.9 59.7#

148 73.9 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

