

Data File : VW008290.D
Acq On : 15 Jan 2019 19:09
Operator : SY/VA
Sample : K1147-16
Misc : 3.45G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-6

Quant Time: Jan 16 00:54:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	88786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	159111	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	141668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	64300	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	52510	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
35) Dibromofluoromethane	7.88	113	49374	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
50) Toluene-d8	10.32	98	195079	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.62	95	65607	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	

Target Compounds			Qvalue			
11) Tert butyl alcohol	5.21	59	74	Below Cal	#	100
16) Acetone	4.13	43	10542	41.100	ug/l	93
18) Methyl Acetate	4.67	43	647	1.026	ug/l #	80
20) Methylene Chloride	4.90	84	15011	11.585	ug/l #	83
25) 2-Butanone	7.16	43	3201	11.529	ug/l #	87
29) Tetrahydrofuran	7.52	42	382	2.060	ug/l #	65
31) Cyclohexane	7.94	56	2132	1.015	ug/l #	53
36) 1,1-Dichloropropene	7.94	75	7488	4.569	ug/l #	47
38) Carbon Tetrachloride	7.95	117	9033	6.021	ug/l #	16
49) 1,4-Dioxane	9.53	88	23	2.642	ug/l #	11
51) 4-Methyl-2-Pentanone	10.21	43	1063	1.673	ug/l #	65
52) Toluene	10.38	92	3155	1.111	ug/l	91
76) 1,2,3-Trichloropropane	12.62	75	32374	55.230	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	32374	128.614	ug/l #	10

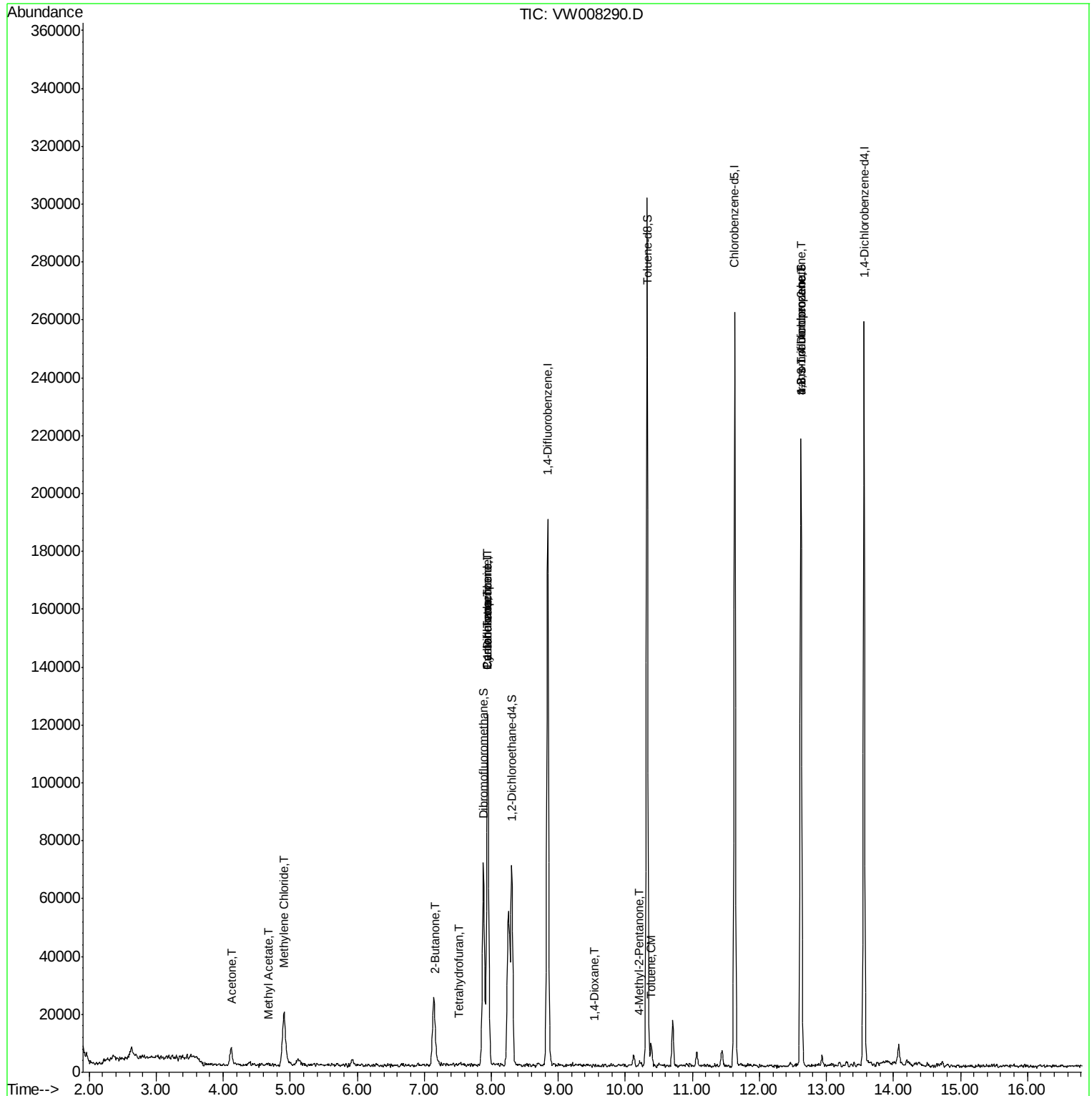
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW008290.D

```
Acq On       : 15 Jan 2019  19:09
Operator     : SY/VA
Sample       : K1147-16
Misc         : 3.45G/5ML/MSVOA_W/
ALS Vial     : 14      Sample Multip
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Instrument :
MSVOA_W
ClientSampleId :
TP-6

Quant Time: Jan 16 00:54:09 2019
Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008290.D

Acq: 15 Jan 2019 19:09

Instrument :

MSVOA_W

ClientSampled :

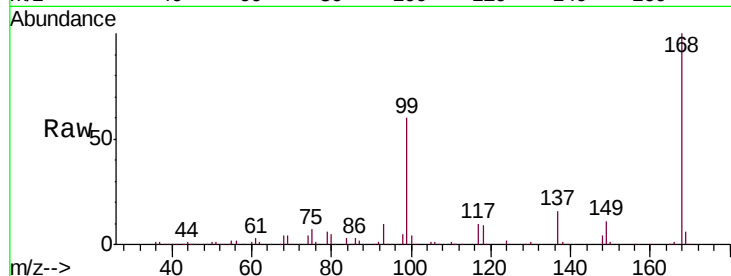
TP-6

Tgt Ion:168 Resp: 88786

Ion Ratio Lower Upper

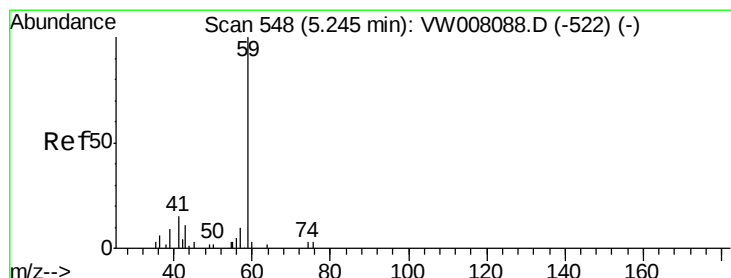
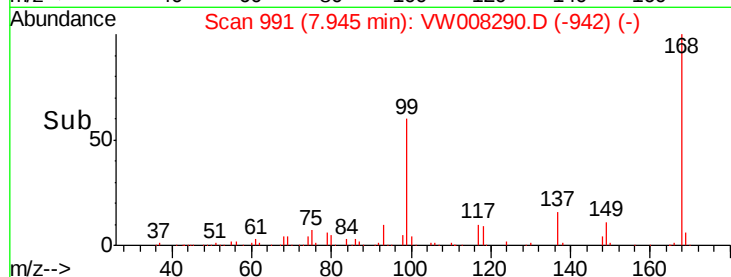
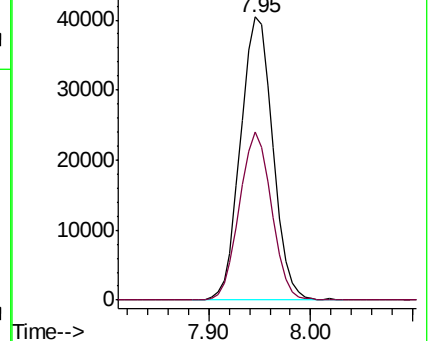
168 100

99 59.6 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 543

Delta R.T. -0.03 min

Lab File: VW008290.D

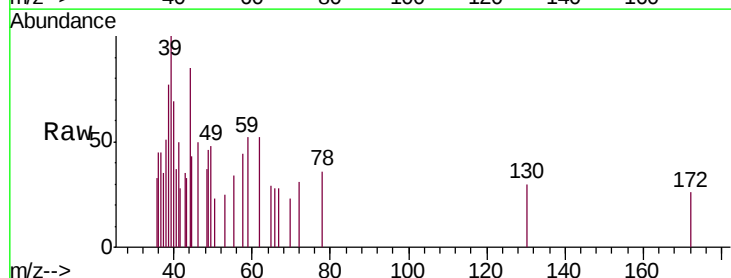
Acq: 15 Jan 2019 19:09

Tgt Ion: 59 Resp: 74

Ion Ratio Lower Upper

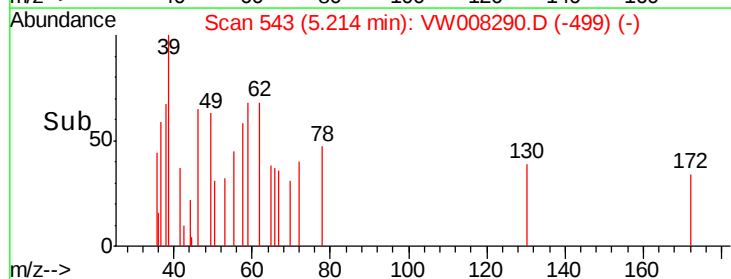
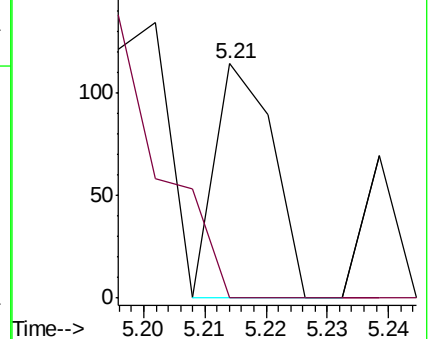
59 100

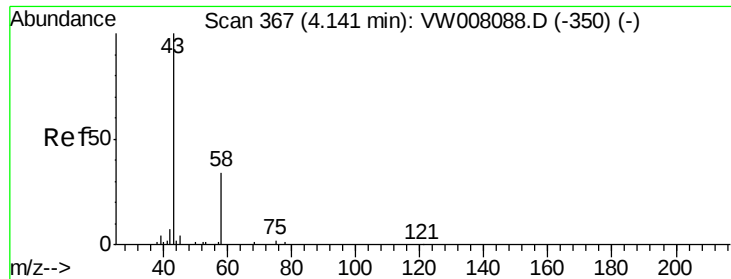
57 123.0 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

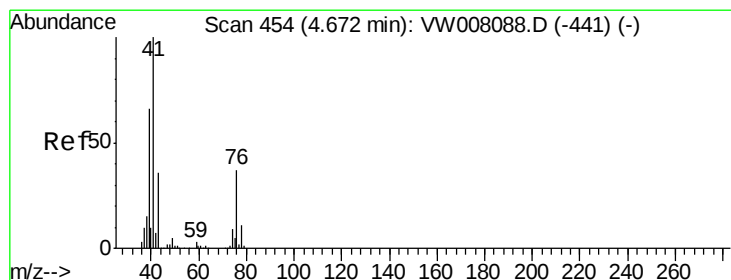
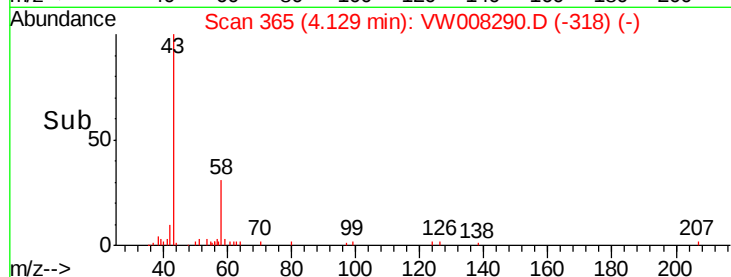
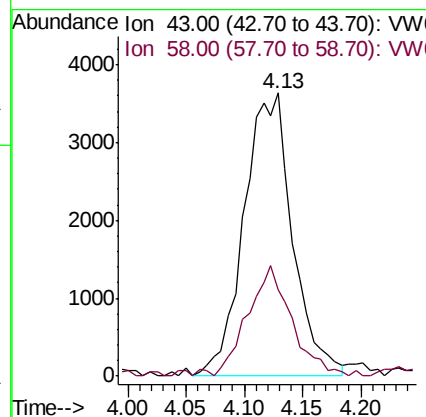
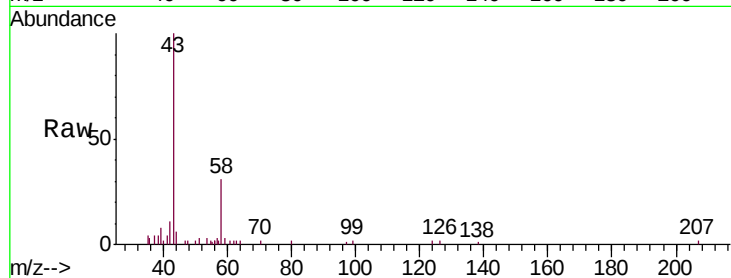




#16
Acetone
Concen: 41.100 ug/l
RT: 4.13 min Scan# 365
Delta R.T. -0.01 min
Lab File: VW008290.D
Acq: 15 Jan 2019 19:09

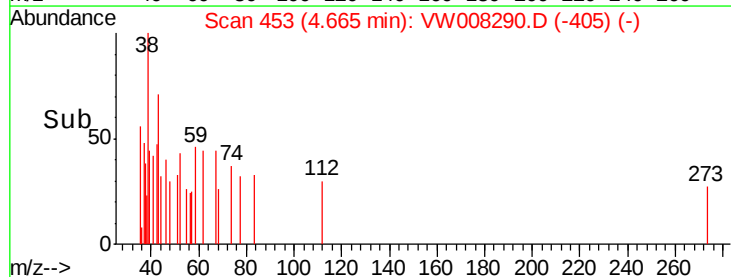
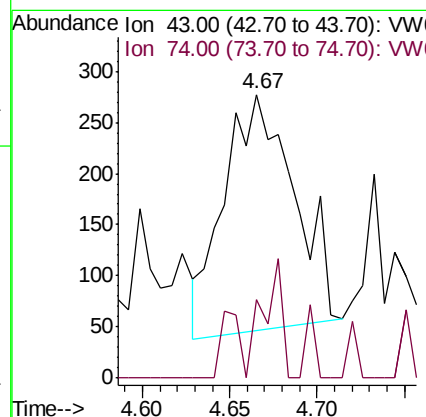
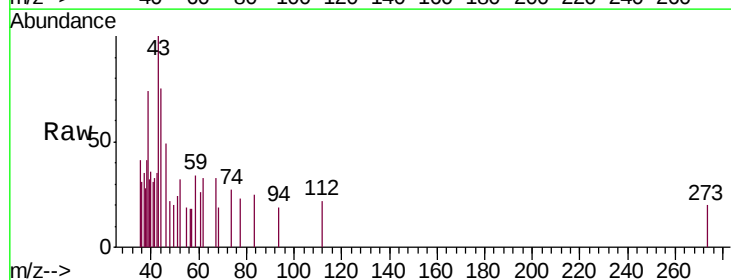
Instrument :
MSVOA_W
ClientSampled :
TP-6

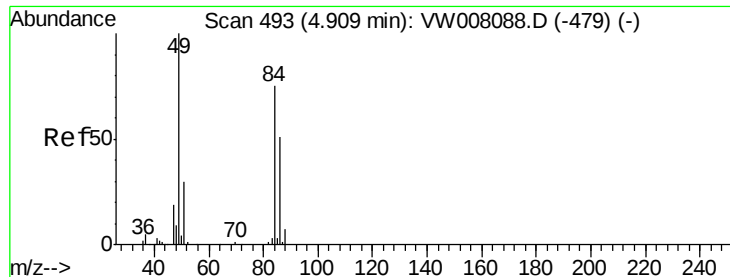
Tgt Ion: 43 Resp: 10542
Ion Ratio Lower Upper
43 100
58 30.6 27.5 41.3



#18
Methyl Acetate
Concen: 1.026 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW008290.D
Acq: 15 Jan 2019 19:09

Tgt Ion: 43 Resp: 647
Ion Ratio Lower Upper
43 100
74 13.9 19.0 28.4#

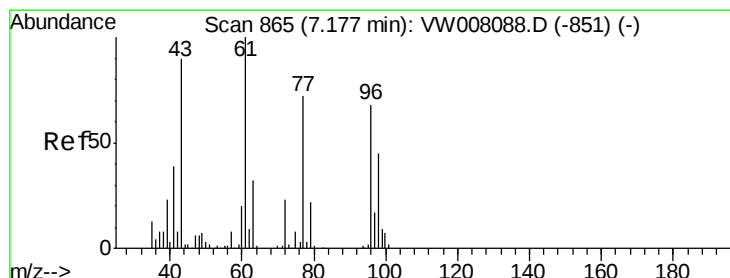
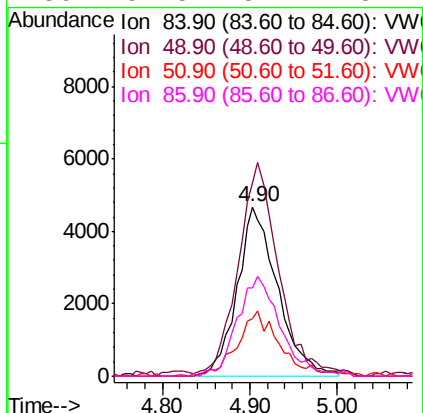
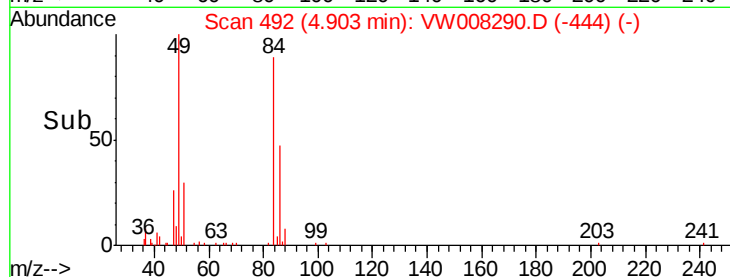
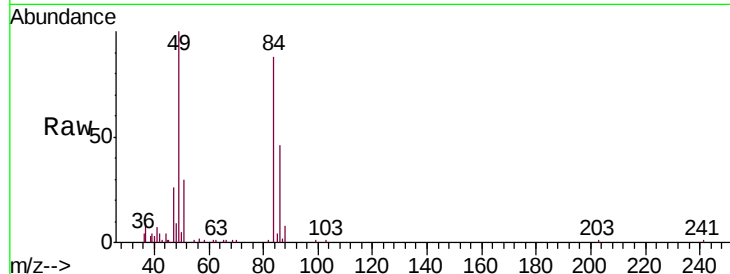




#20
Methylene Chloride
Concen: 11.585 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008290.D
Acq: 15 Jan 2019 19:09

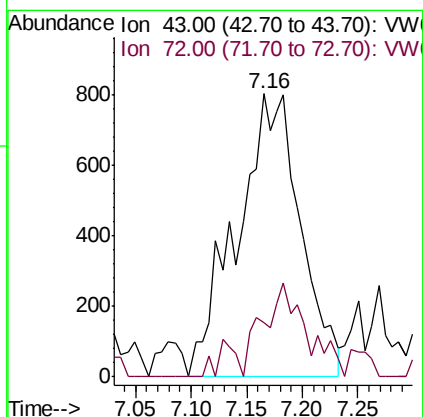
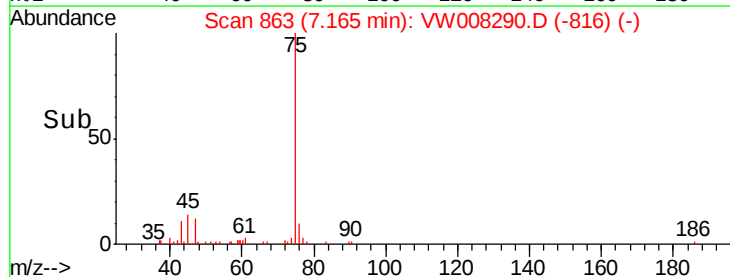
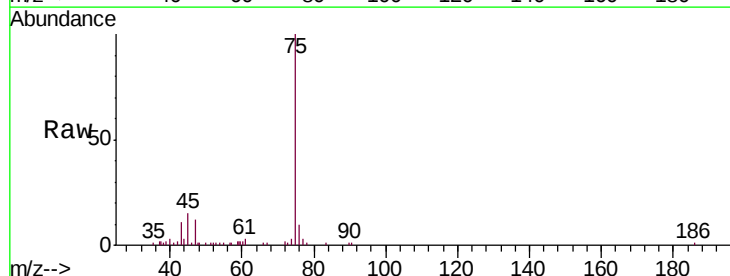
Instrument :
MSVOA_W
ClientSampled :
TP-6

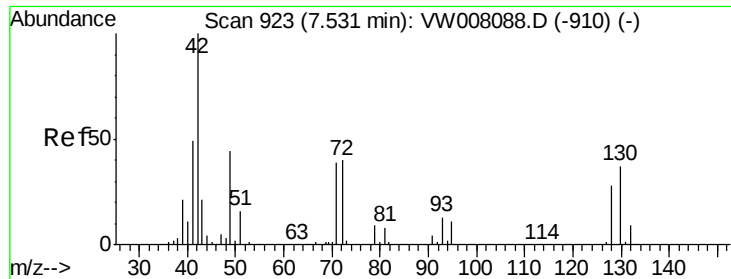
Tgt Ion: 84 Resp: 15011
Ion Ratio Lower Upper
84 100
49 111.7 107.1 160.7
51 33.7 32.4 48.6
86 52.5 54.2 81.4#



#25
2-Butanone
Concen: 11.529 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008290.D
Acq: 15 Jan 2019 19:09

Tgt Ion: 43 Resp: 3201
Ion Ratio Lower Upper
43 100
72 19.2 20.5 30.7#

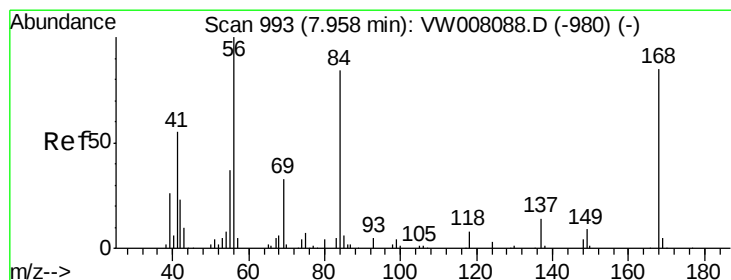
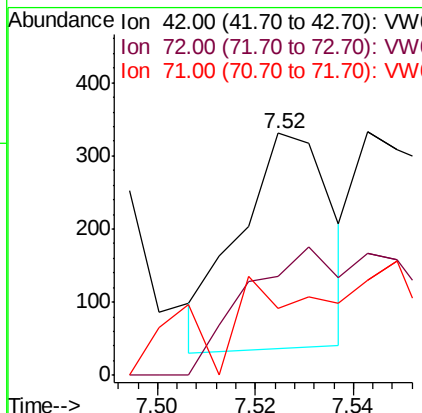
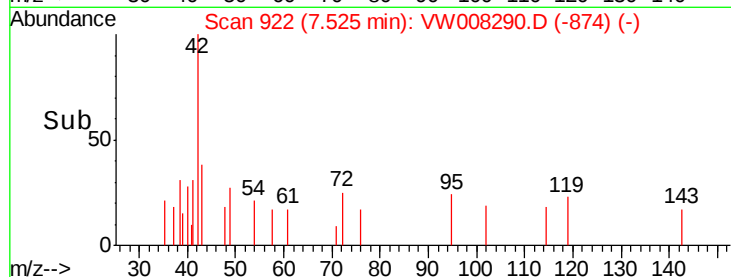
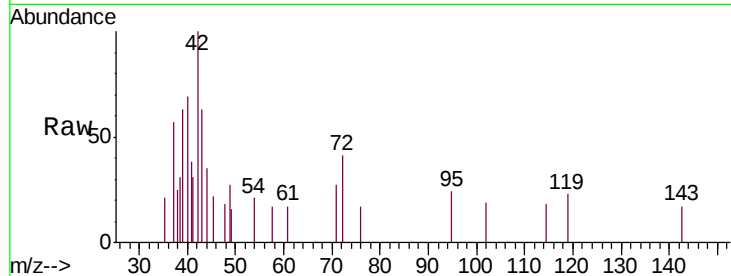




#29
Tetrahydrofuran
Concen: 2.060 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008290.D
Acq: 15 Jan 2019 19:09

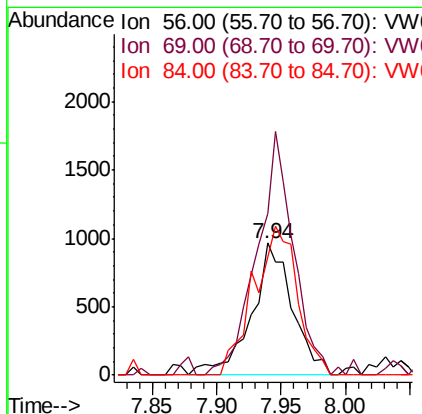
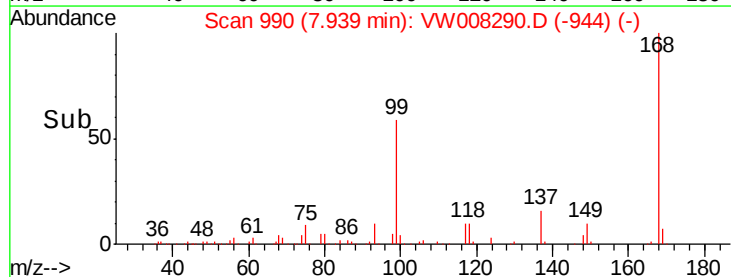
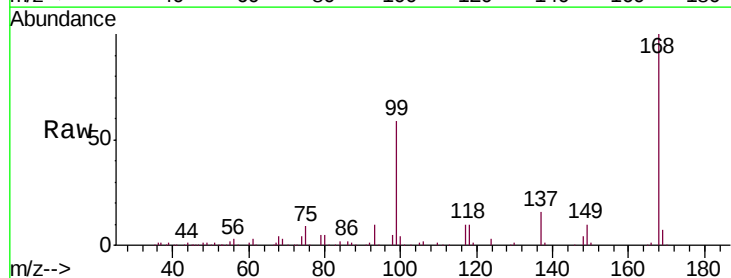
Instrument :
MSVOA_W
ClientSampled :
TP-6

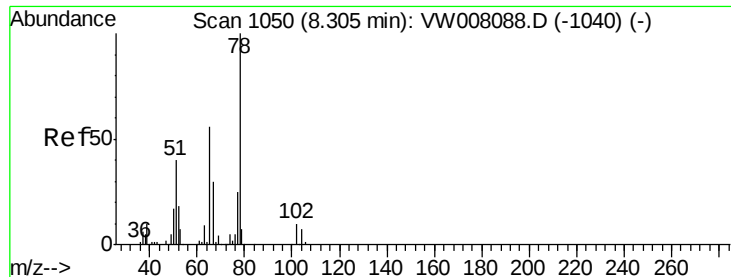
Tgt Ion: 42 Resp: 382
Ion Ratio Lower Upper
42 100
72 0.0 32.4 48.6#
71 41.6 31.3 46.9



#31
Cyclohexane
Concen: 1.015 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW008290.D
Acq: 15 Jan 2019 19:09

Tgt Ion: 56 Resp: 2132
Ion Ratio Lower Upper
56 100
69 117.3 26.2 39.4#
84 90.0 67.4 101.2





#33

1,2-Dichloroethane-d4

Concen: 52.622 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008290.D

Acq: 15 Jan 2019 19:09

Instrument :

MSVOA_W

ClientSampled :

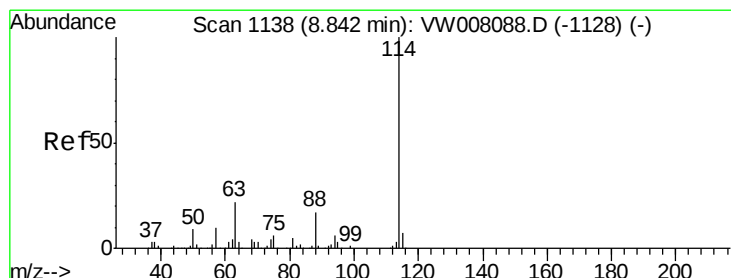
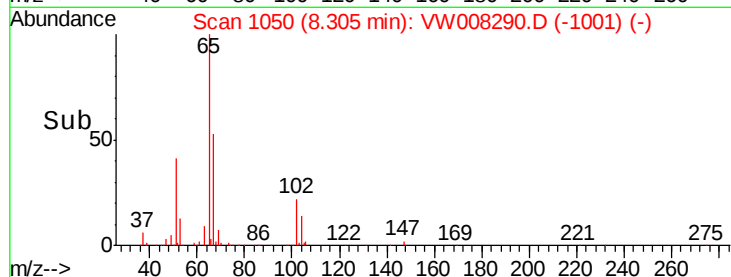
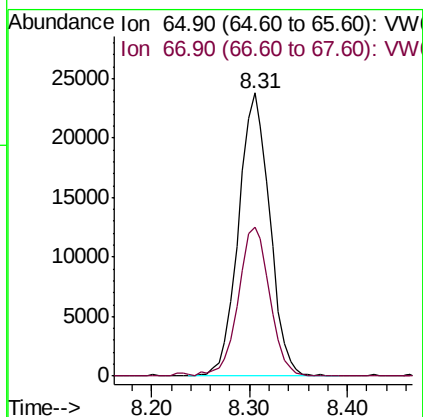
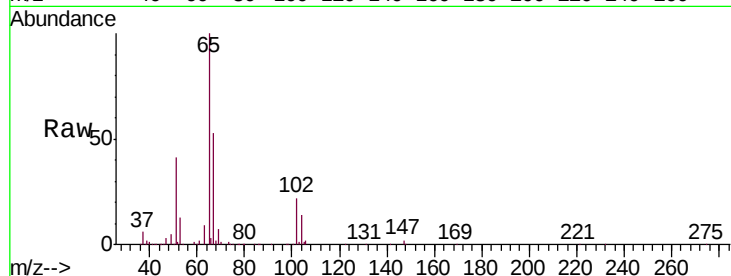
TP-6

Tgt Ion: 65 Resp: 52510

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008290.D

Acq: 15 Jan 2019 19:09

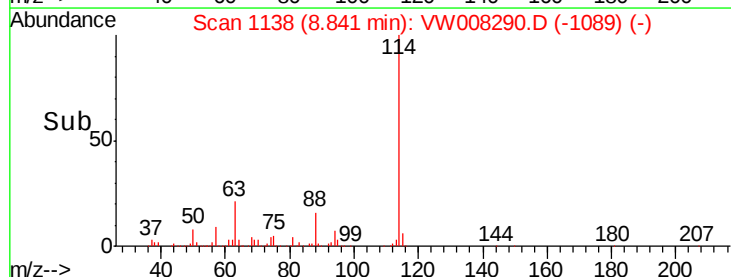
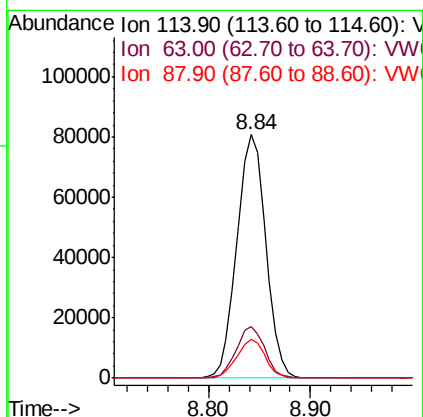
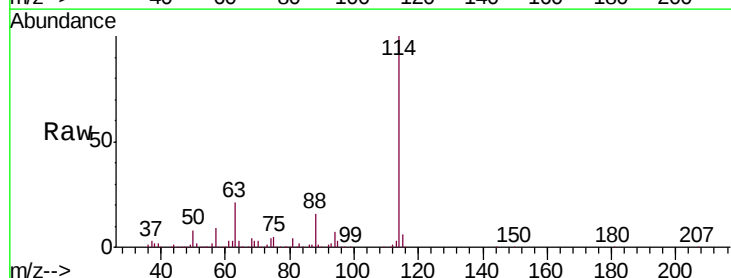
Tgt Ion: 114 Resp: 159111

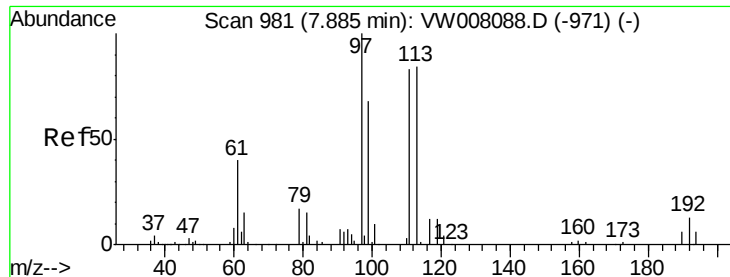
Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.4

88 15.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 53.205 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008290.D

Acq: 15 Jan 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

TP-6

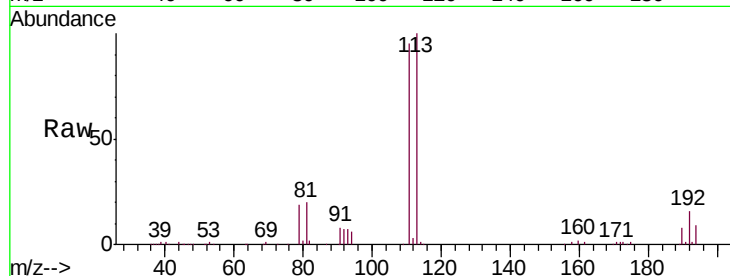
Tgt Ion:113 Resp: 49374

Ion Ratio Lower Upper

113 100

111 101.7 81.8 122.8

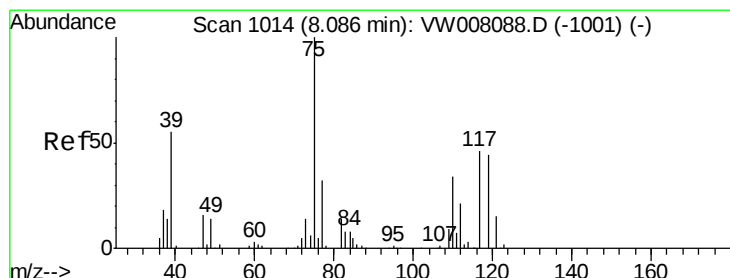
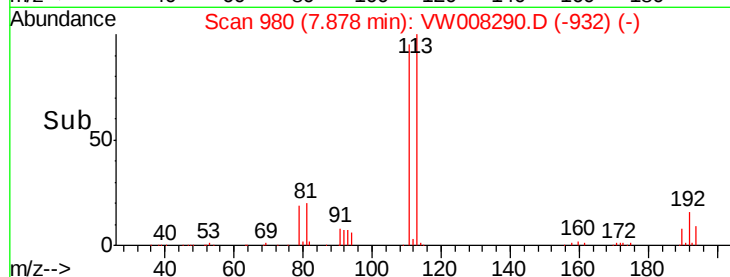
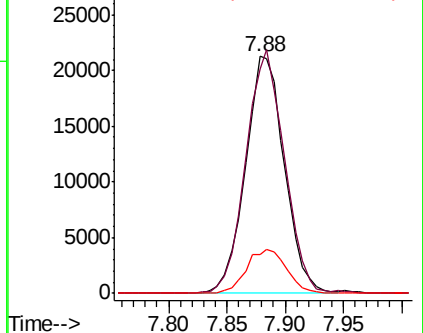
192 19.2 12.8 19.2



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: 4.569 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.15 min

Lab File: VW008290.D

Acq: 15 Jan 2019 19:09

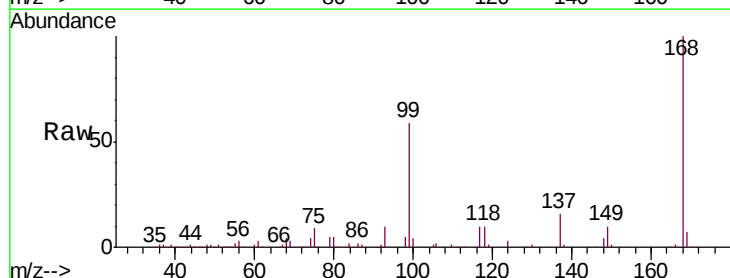
Tgt Ion: 75 Resp: 7488

Ion Ratio Lower Upper

75 100

110 6.3 17.1 51.3#

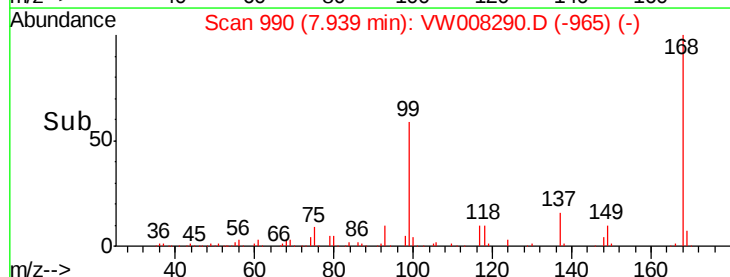
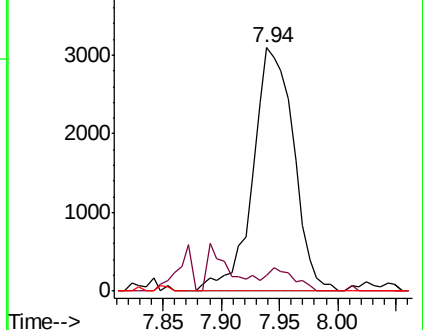
77 0.0 25.5 38.3#

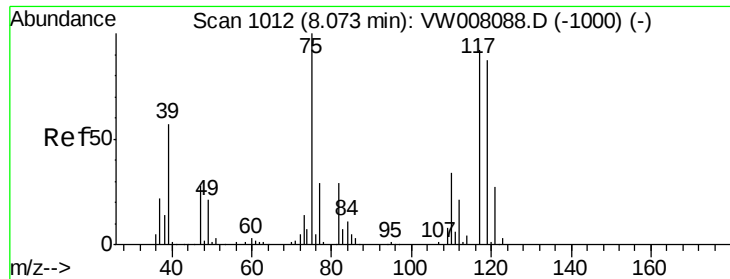


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.021 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008290.D

Acq: 15 Jan 2019 19:09

Instrument :

MSVOA_W

ClientSampled :

TP-6

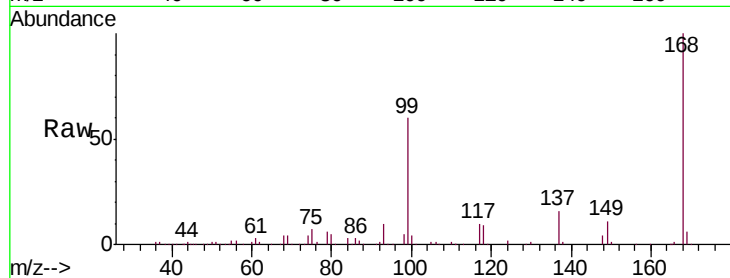
Tgt Ion: 117 Resp: 9033

Ion Ratio Lower Upper

117 100

119 3.9 75.8 113.8#

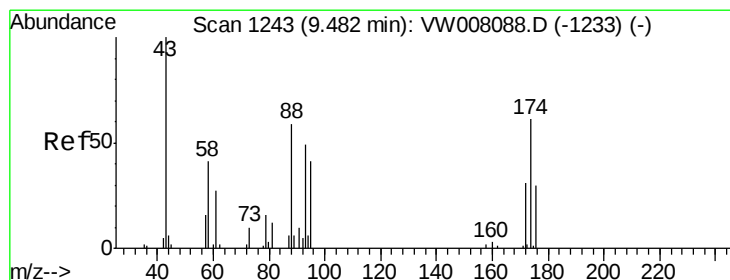
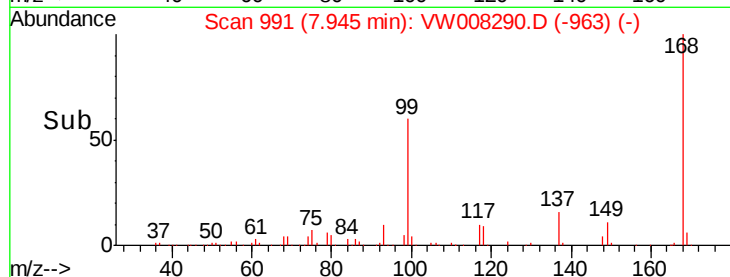
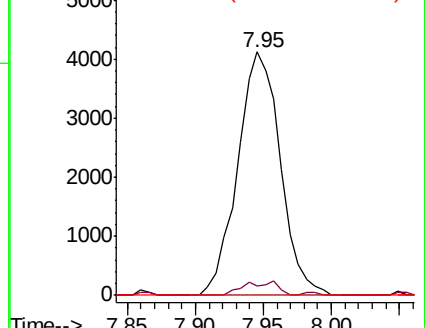
121 0.0 23.7 35.5#



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



#49

1,4-Dioxane

Concen: 2.642 ug/l

RT: 9.53 min Scan# 1251

Delta R.T. 0.05 min

Lab File: VW008290.D

Acq: 15 Jan 2019 19:09

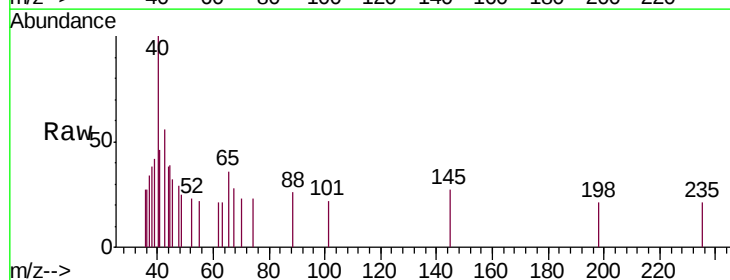
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 760.9 0.0 0.0#

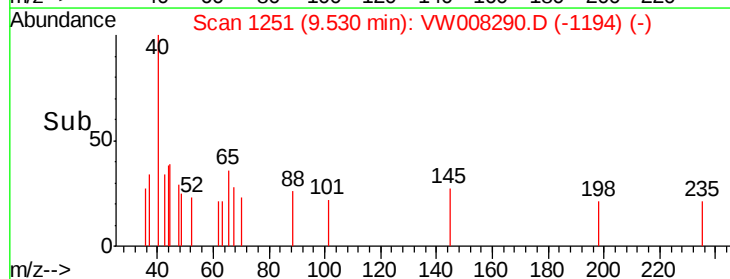
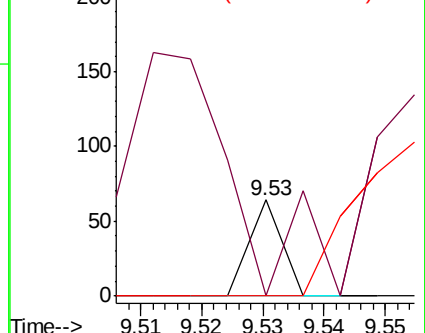
58 0.0 61.7 92.5#

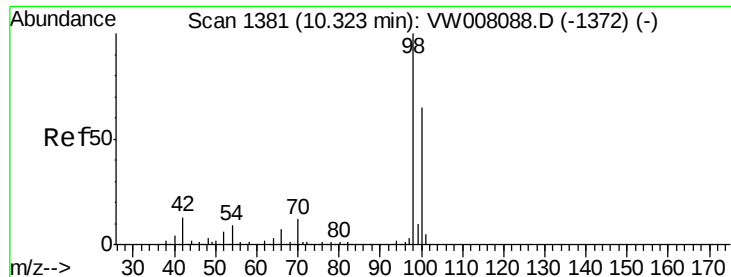


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

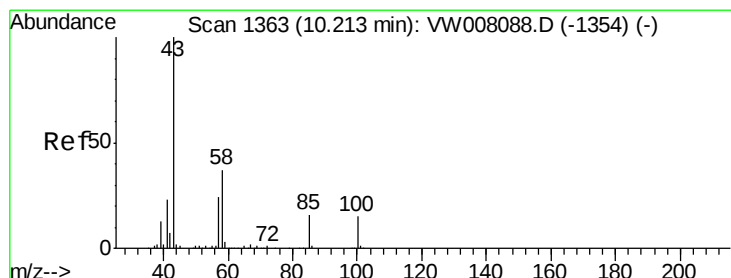
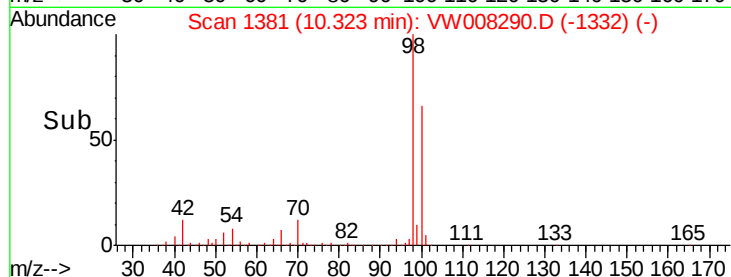
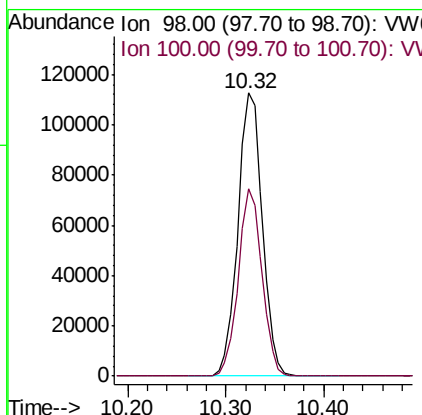
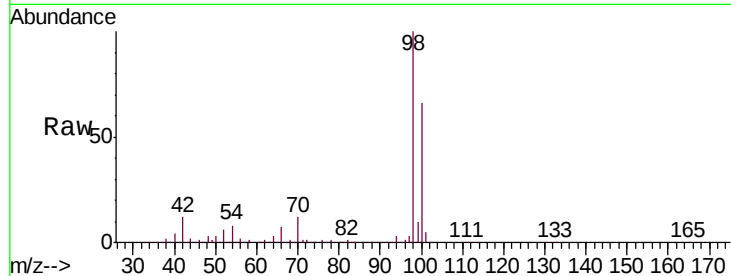




#50
Toluene-d8
Concen: 50.094 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008290.D
Acq: 15 Jan 2019 19:09

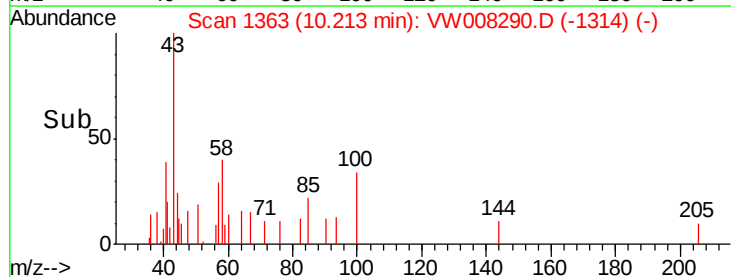
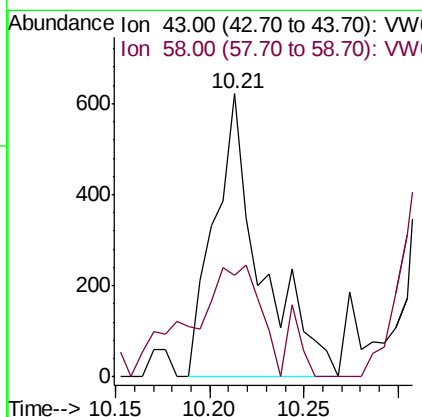
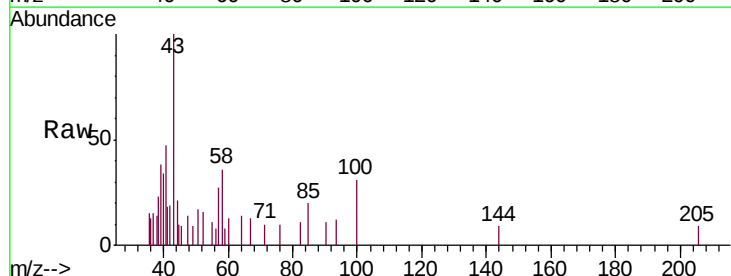
Instrument :
MSVOA_W
ClientSampleId :
TP-6

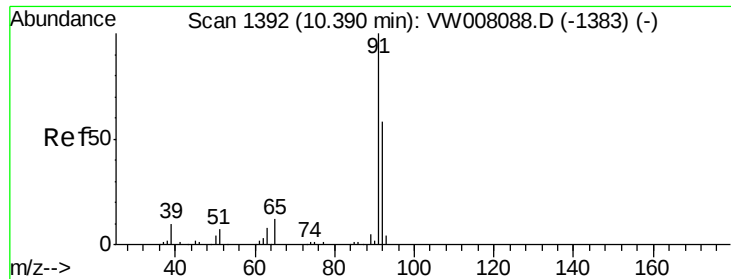
Tgt Ion: 98 Resp: 195079
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.673 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW008290.D
Acq: 15 Jan 2019 19:09

Tgt Ion: 43 Resp: 1063
Ion Ratio Lower Upper
43 100
58 59.7 30.6 46.0#





#52

Toluene

Concen: 1.111 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008290.D

Acq: 15 Jan 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

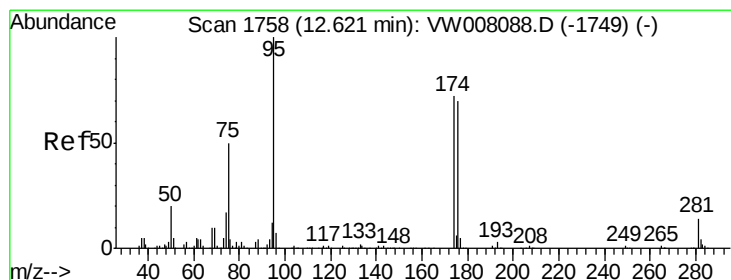
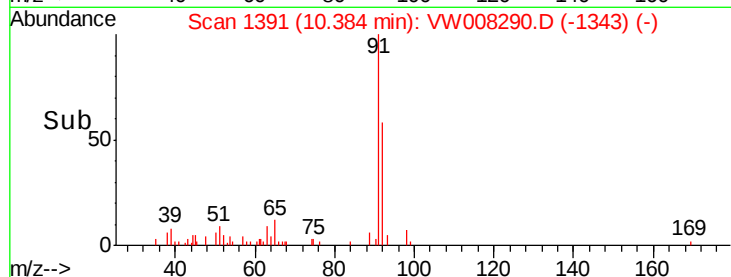
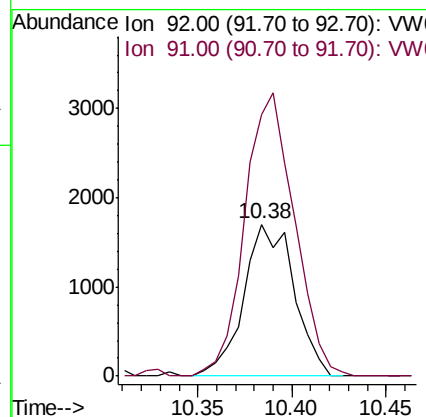
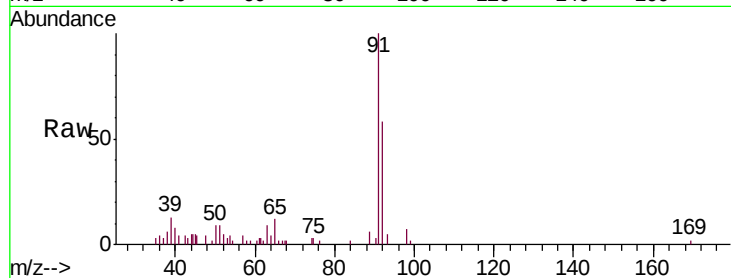
TP-6

Tgt Ion: 92 Resp: 3155

Ion Ratio Lower Upper

92 100

91 184.0 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 46.994 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008290.D

Acq: 15 Jan 2019 19:09

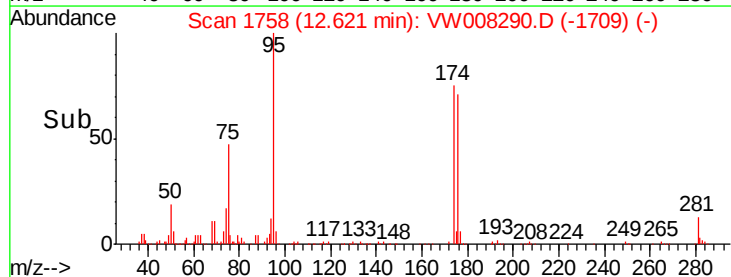
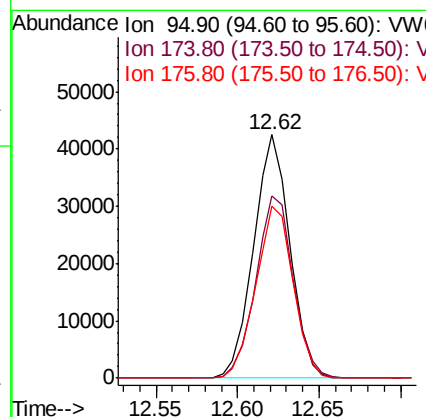
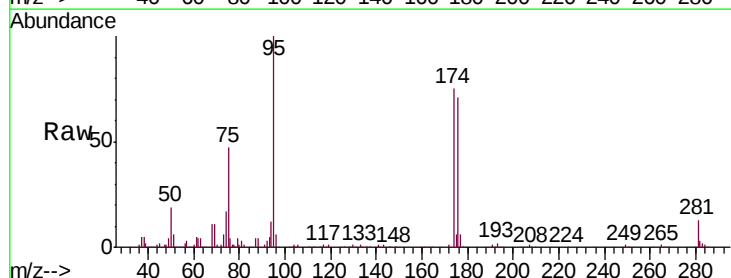
Tgt Ion: 95 Resp: 65607

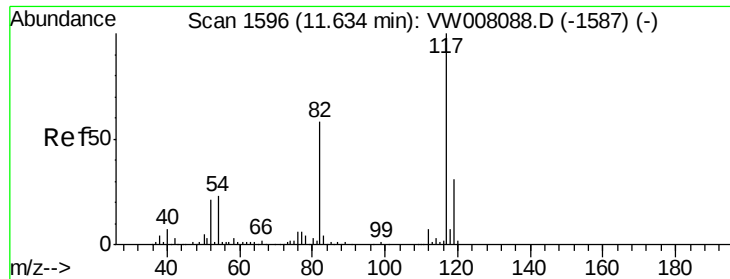
Ion Ratio Lower Upper

95 100

174 77.2 0.0 143.0

176 72.9 0.0 140.2

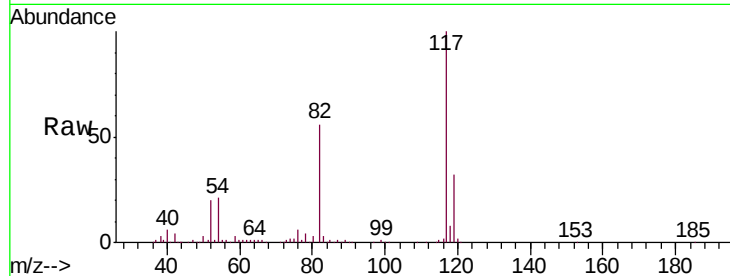




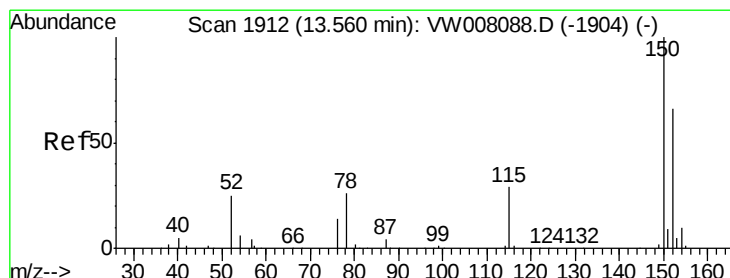
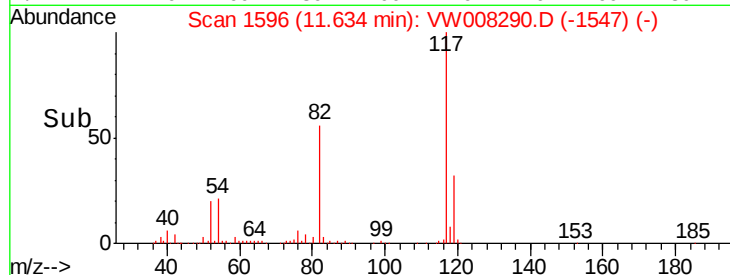
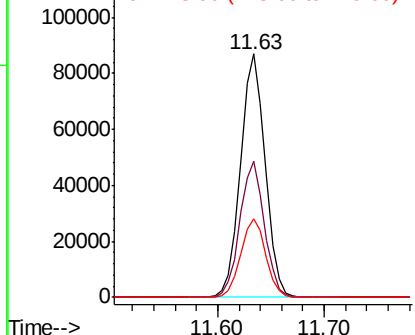
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008290.D
Acq: 15 Jan 2019 19:09

Instrument :
MSVOA_W
ClientSampled :
TP-6

Tgt Ion:117 Resp: 141668
Ion Ratio Lower Upper
117 100
82 55.7 46.4 69.6
119 32.2 24.7 37.1

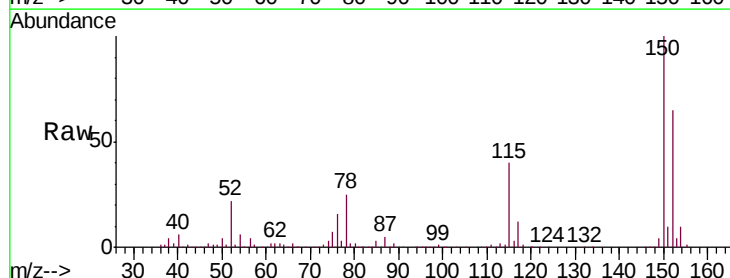


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

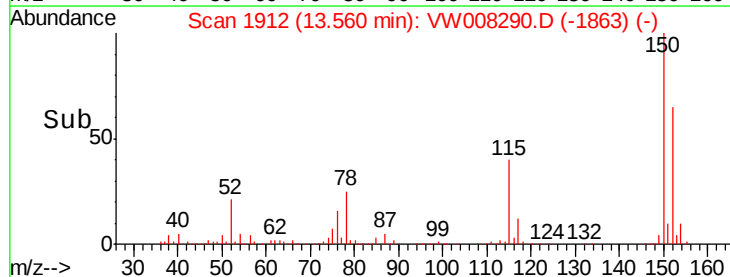
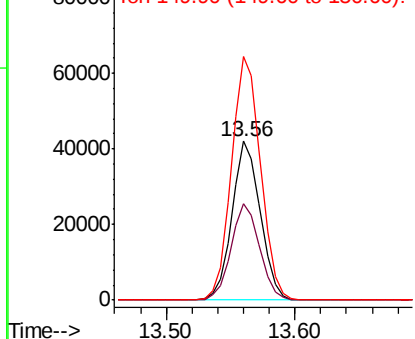


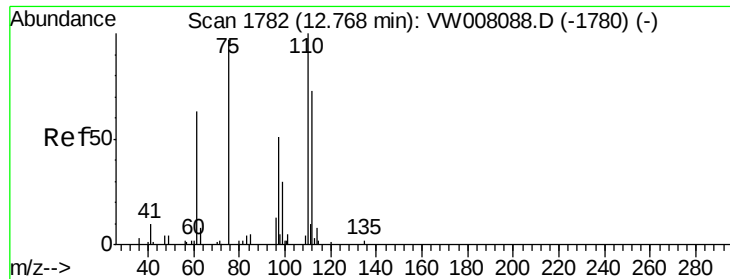
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008290.D
Acq: 15 Jan 2019 19:09

Tgt Ion:152 Resp: 64300
Ion Ratio Lower Upper
152 100
115 61.2 30.8 92.4
150 157.3 0.0 350.2



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

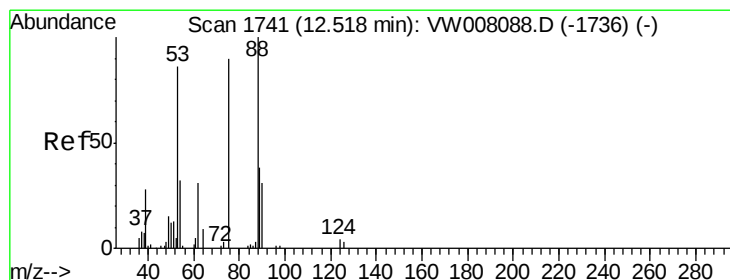
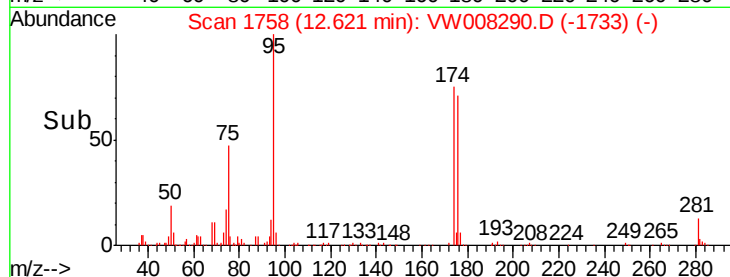
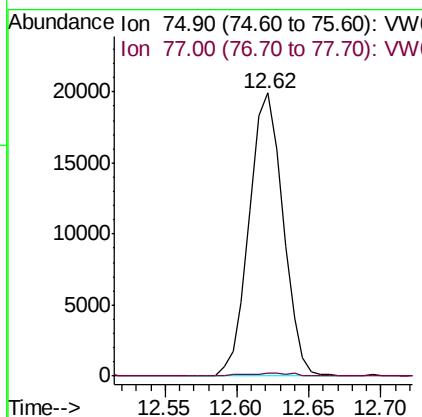
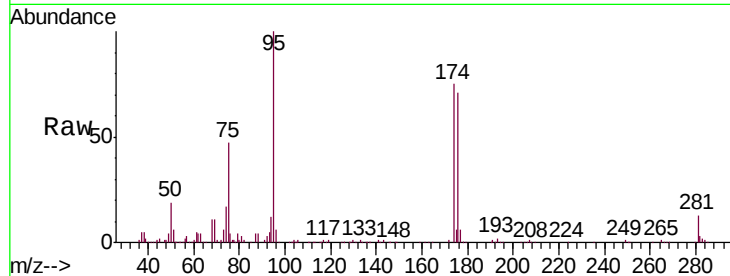




#76
 1,2,3-Trichloropropane
 Concen: 55.230 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008290.D
 Acq: 15 Jan 2019 19:09

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-6

Tgt Ion: 75 Resp: 32374
 Ion Ratio Lower Upper
 75 100
 77 1.4 179.4 538.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.614 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW008290.D
 Acq: 15 Jan 2019 19:09

Tgt Ion: 75 Resp: 32374
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.8 118.2#
 89 0.1 35.4 53.2#

