

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011419\
 Data File : VW008267.D
 Acq On : 15 Jan 2019 02:17
 Operator : SY/VA
 Sample : K1139-07RE
 Misc : 5.51G/5ML/MSVOA_W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S-4

Quant Time: Jan 15 11:01:09 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	81658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	145694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	131514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	53906	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	50845	55.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.80%	
35) Dibromofluoromethane	7.88	113	48609	57.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.40%	
50) Toluene-d8	10.32	98	185262	51.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.90%	
62) 4-Bromofluorobenzene	12.62	95	57785	45.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.40%	

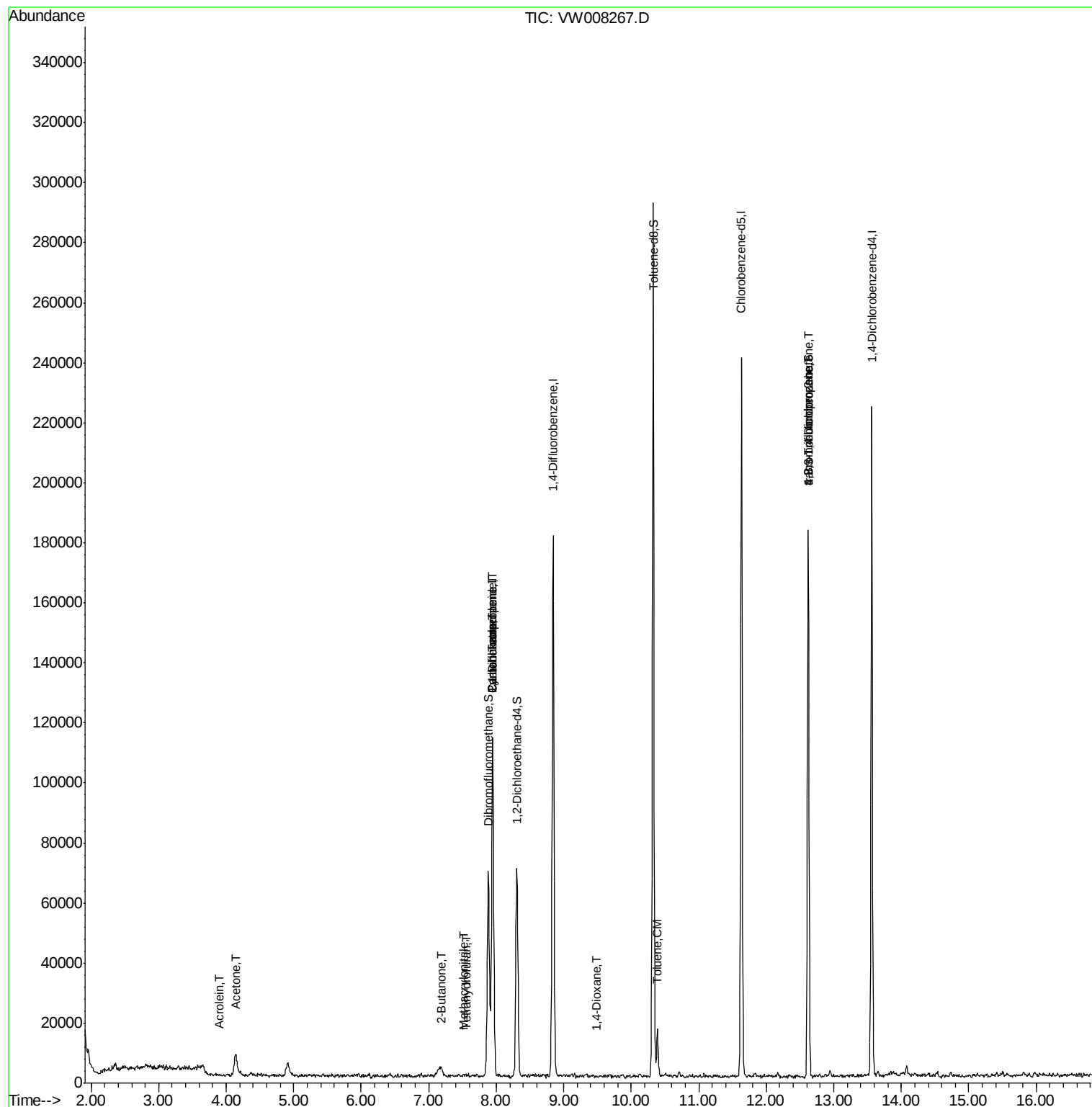
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.27	59	41	Below Cal	#	100
13) Acrolein	3.89	56	353	4.306	ug/l #	64
16) Acetone	4.14	43	14761	74.643	ug/l	97
20) Methylene Chloride	4.91	84	3492	Below Cal		95
25) 2-Butanone	7.19	43	4445	17.407	ug/l #	88
29) Tetrahydrofuran	7.56	42	467	2.738	ug/l #	58
31) Cyclohexane	7.95	56	2233	1.156	ug/l #	9
36) 1,1-Dichloropropene	7.95	75	7121	4.745	ug/l #	51
38) Carbon Tetrachloride	7.95	117	8789	6.398	ug/l #	17
41) Methacrylonitrile	7.52	41	384	1.011	ug/l #	47
49) 1,4-Dioxane	9.49	88	93	11.666	ug/l #	34
52) Toluene	10.39	92	5988	2.303	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	29546	60.125	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	29546	140.012	ug/l #	10

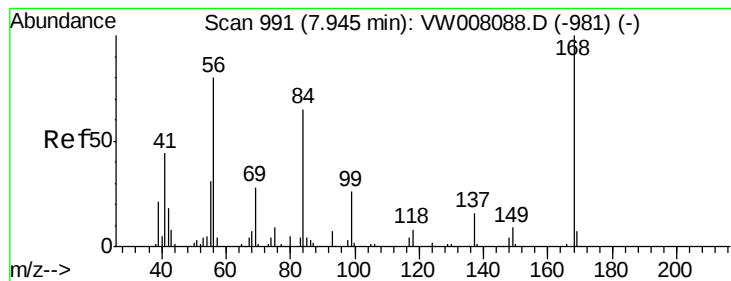
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 992

Delta R.T. 0.01 min

Lab File: VW008267.D

Acq: 15 Jan 2019 02:17

Instrument :

MSVOA_W

ClientSampled :

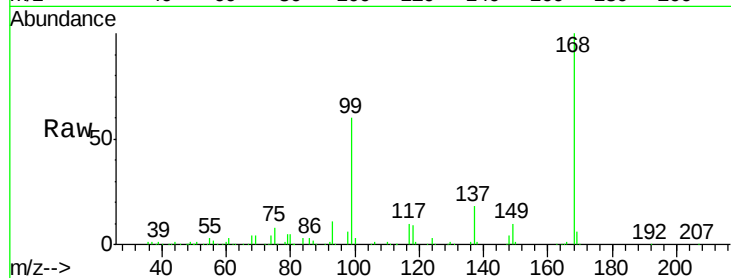
S-4

Tgt Ion:168 Resp: 81658

Ion Ratio Lower Upper

168 100

99 59.9 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

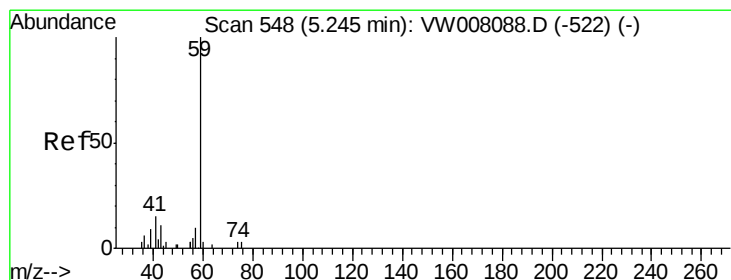
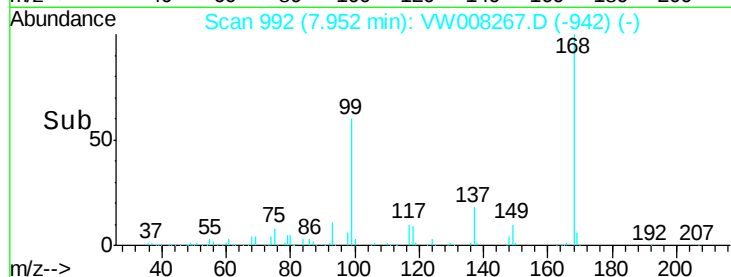
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.27 min Scan# 552

Delta R.T. 0.03 min

Lab File: VW008267.D

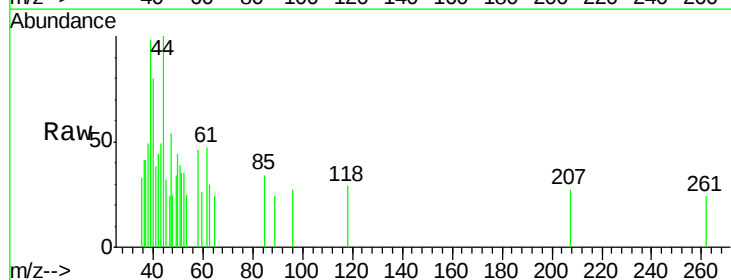
Acq: 15 Jan 2019 02:17

Tgt Ion: 59 Resp: 41

Ion Ratio Lower Upper

59 100

57 48.8 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.27

120

100

80

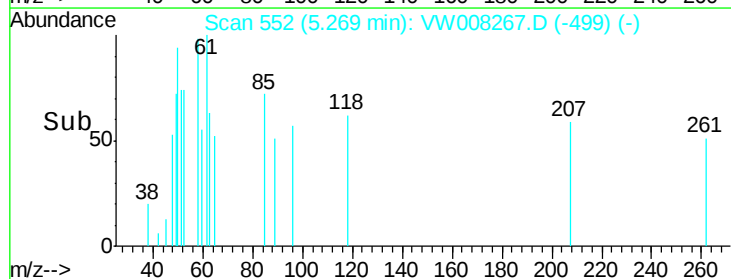
60

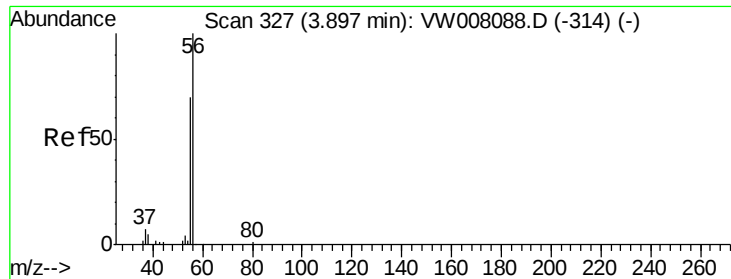
40

20

0

Time-->





#13

Acrolein

Concen: 4.306 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW008267.D

Acq: 15 Jan 2019 02:17

Instrument :

MSVOA_W

ClientSampleId :

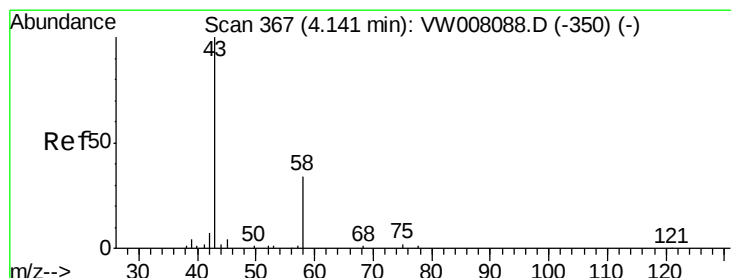
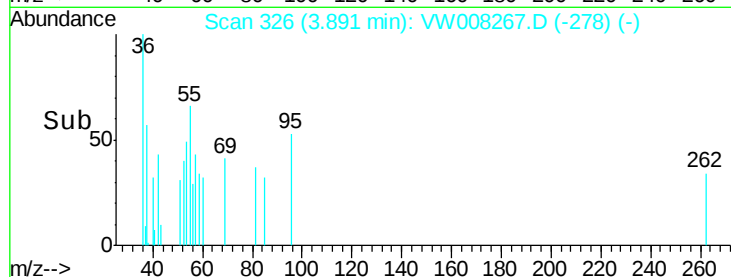
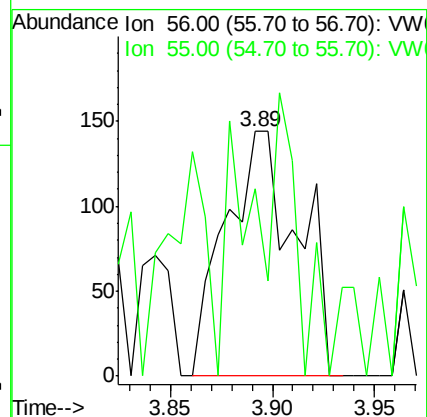
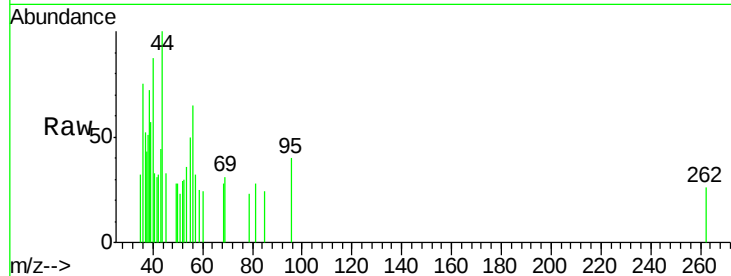
S-4

Tgt Ion: 56 Resp: 353

Ion Ratio Lower Upper

56 100

55 40.8 56.6 84.8#



#16

Acetone

Concen: 74.643 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW008267.D

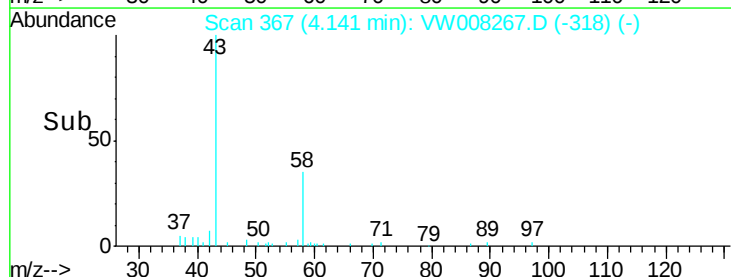
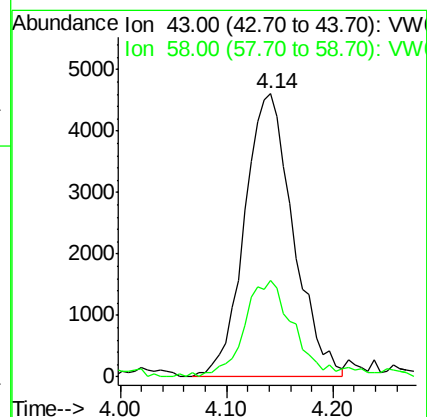
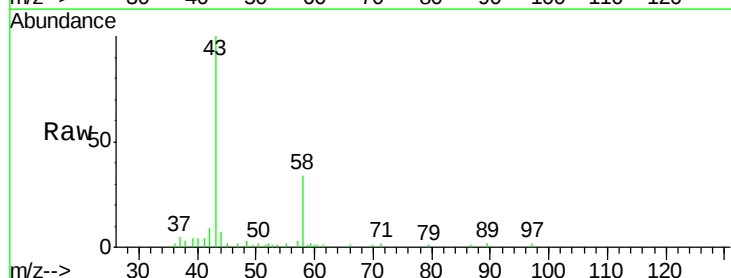
Acq: 15 Jan 2019 02:17

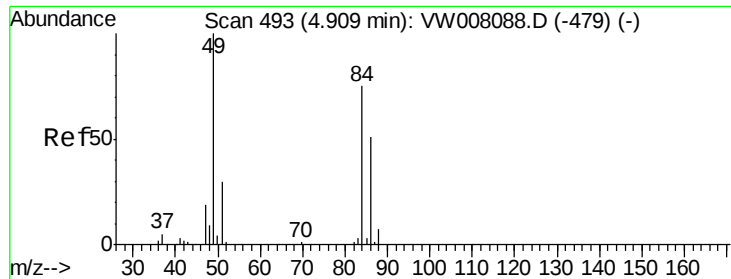
Tgt Ion: 43 Resp: 14761

Ion Ratio Lower Upper

43 100

58 32.4 27.5 41.3

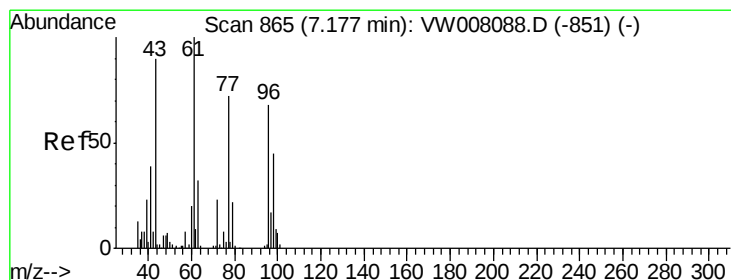
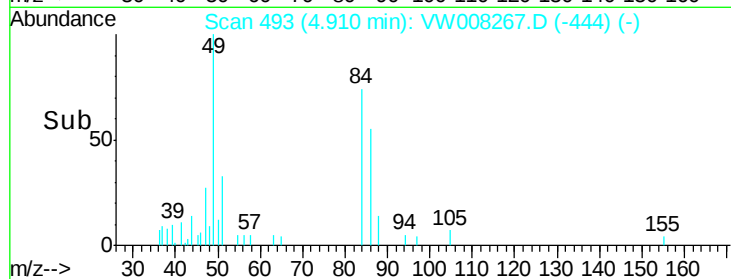
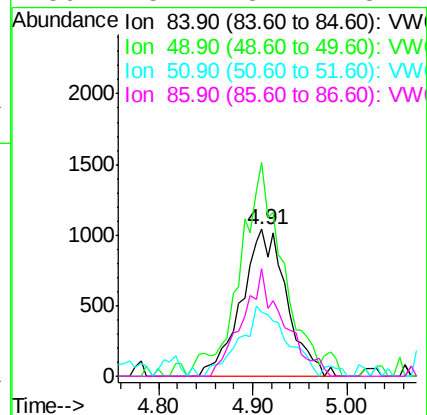
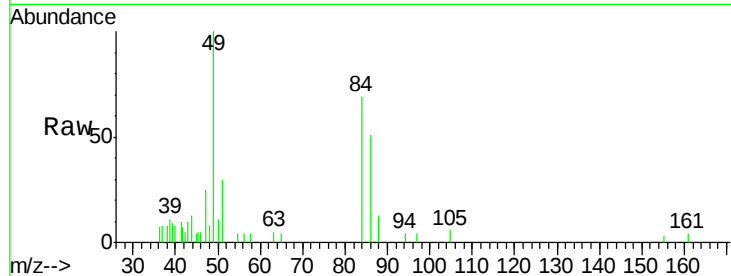




#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008267.D
Acq: 15 Jan 2019 02:17

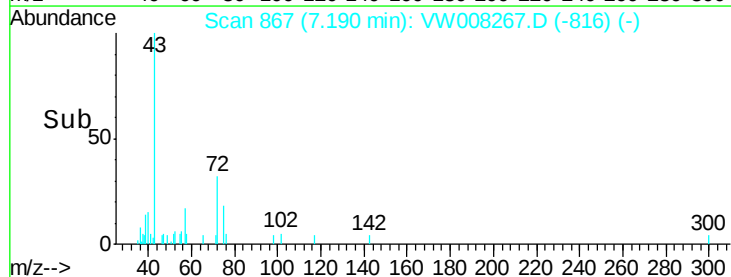
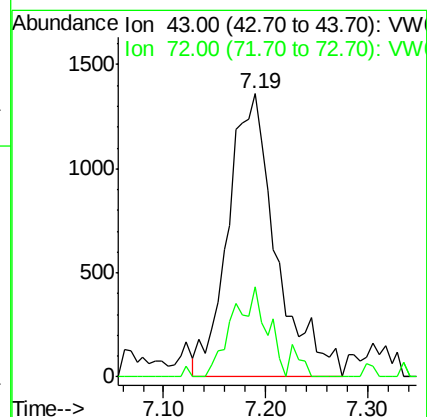
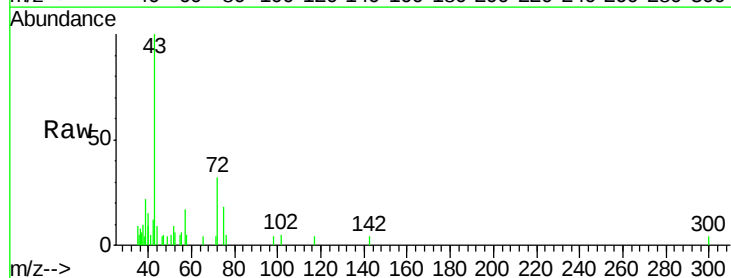
Instrument :
MSVOA_W
ClientSampled :
S-4

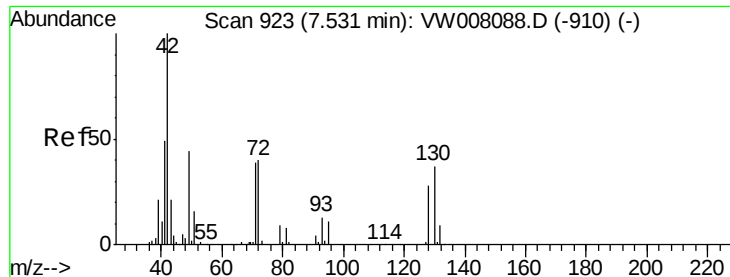
Tgt Ion:	84	Resp:	3492
Ion	Ratio	Lower	Upper
84	100		
49	139.6	107.1	160.7
51	38.4	32.4	48.6
86	73.7	54.2	81.4



#25
2-Butanone
Concen: 17.407 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.01 min
Lab File: VW008267.D
Acq: 15 Jan 2019 02:17

Tgt Ion:	43	Resp:	4445
Ion	Ratio	Lower	Upper
43	100		
72	31.6	20.5	30.7#

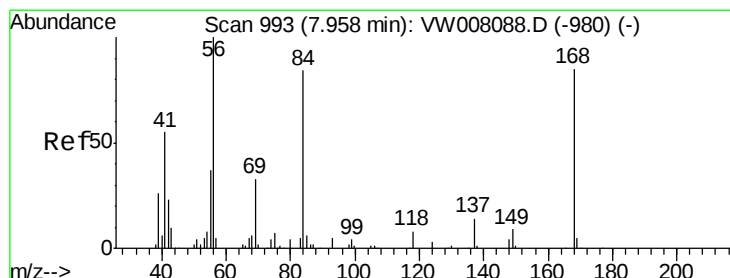
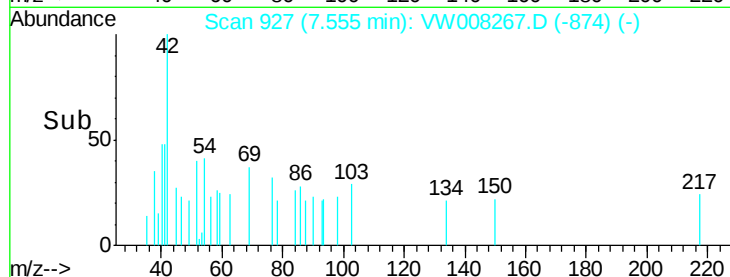
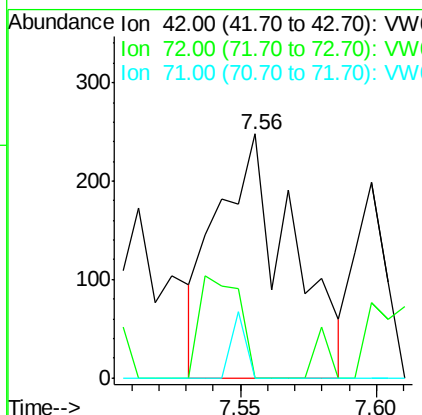
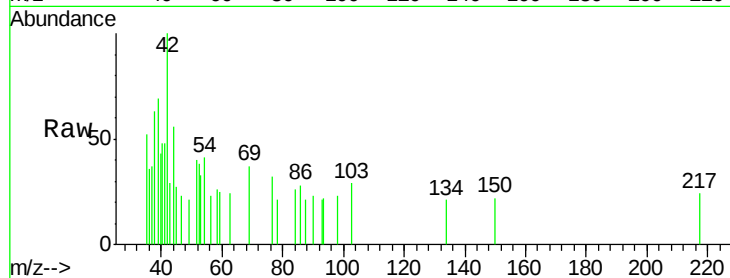




#29
Tetrahydrofuran
Concen: 2.738 ug/l
RT: 7.56 min Scan# 927
Delta R.T. 0.02 min
Lab File: VW008267.D
Acq: 15 Jan 2019 02:17

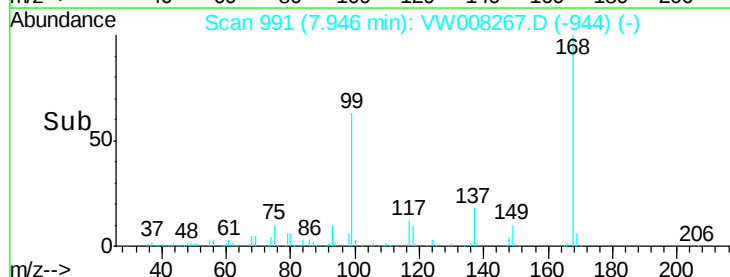
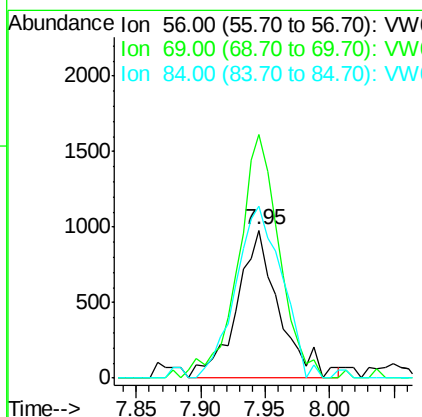
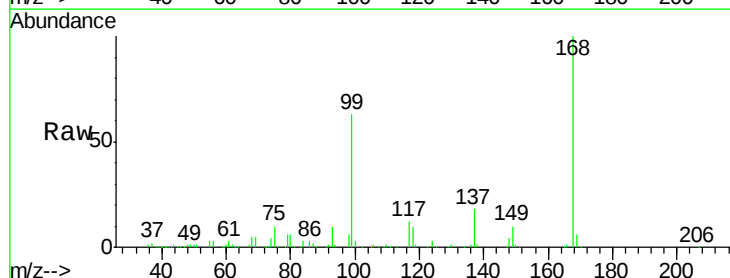
Instrument :
MSVOA_W
ClientSampled :
S-4

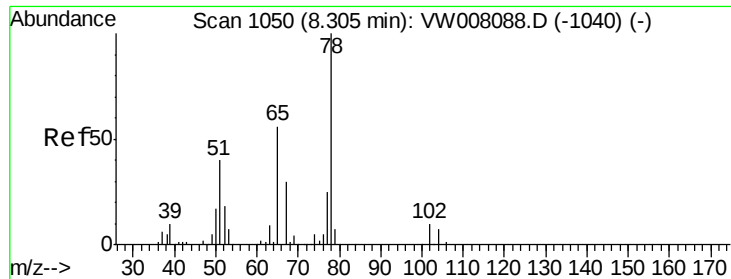
Tgt Ion: 42 Resp: 467
Ion Ratio Lower Upper
42 100
72 22.5 32.4 48.6#
71 5.4 31.3 46.9#



#31
Cyclohexane
Concen: 1.156 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008267.D
Acq: 15 Jan 2019 02:17

Tgt Ion: 56 Resp: 2233
Ion Ratio Lower Upper
56 100
69 164.8 26.2 39.4#
84 116.6 67.4 101.2#

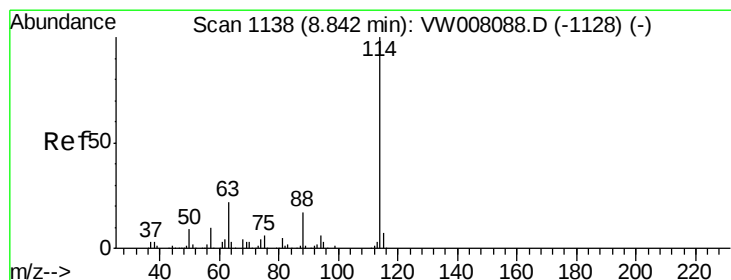
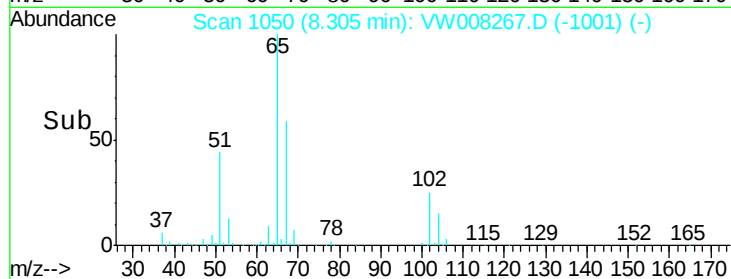
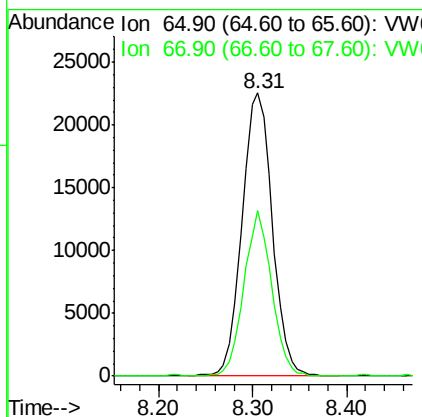
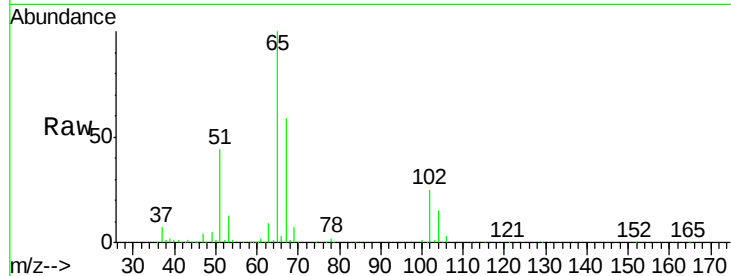




#33
 1,2-Dichloroethane-d4
 Concen: 55.401 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008267.D
 Acq: 15 Jan 2019 02:17

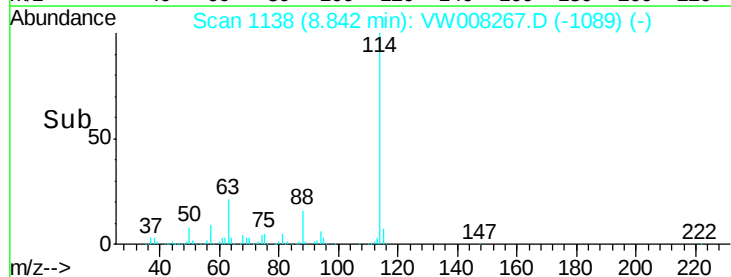
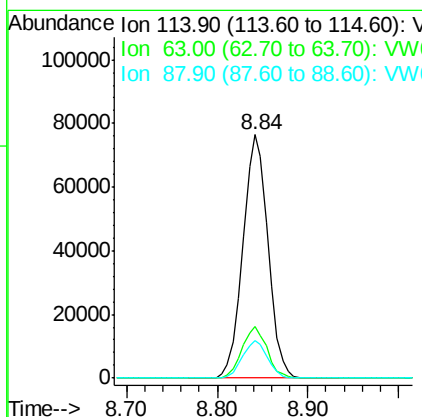
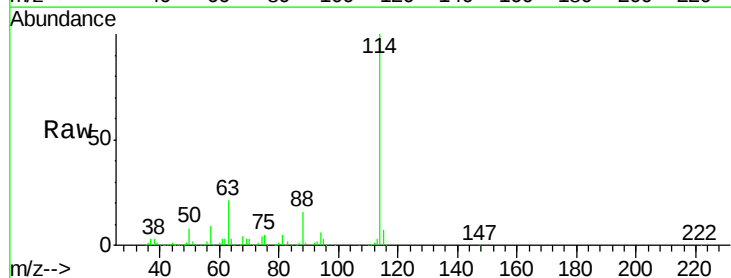
Instrument :
 MSVOA_W
 ClientSampled :
 S-4

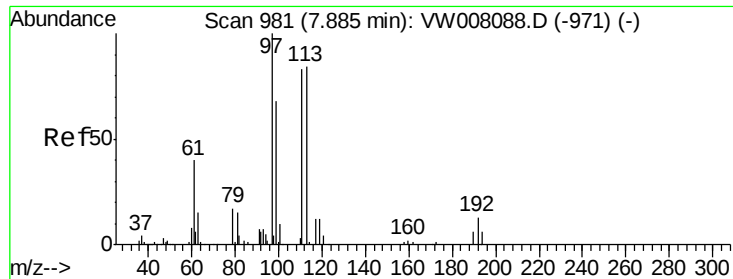
Tgt Ion: 65 Resp: 50845
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008267.D
 Acq: 15 Jan 2019 02:17

Tgt Ion: 114 Resp: 145694
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.4
 88 15.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 57.204 ug/l

RT: 7.88 min Scan# 981

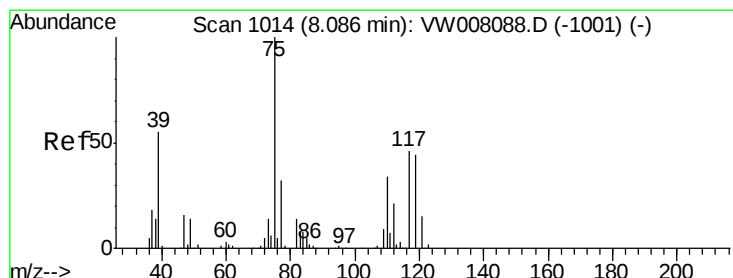
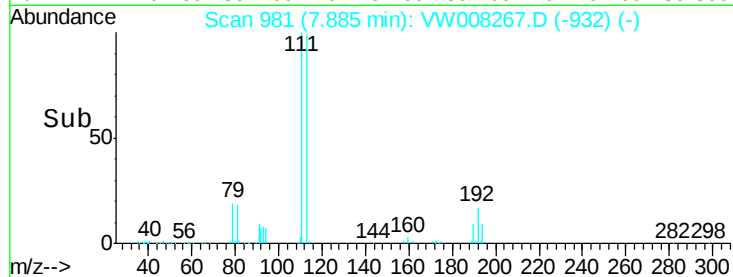
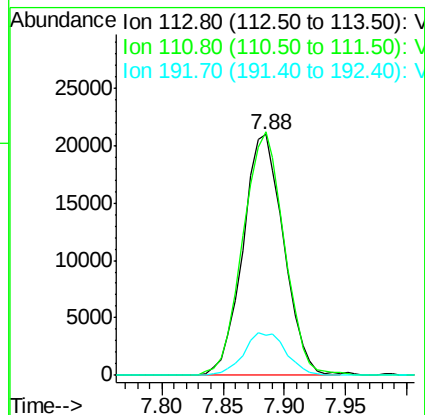
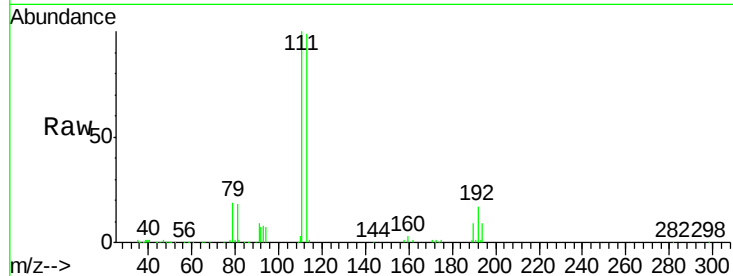
Delta R.T. 0.00 min

Lab File: VW008267.D

Acq: 15 Jan 2019 02:17

Instrument :
MSVOA_W
ClientSampled :
S-4

Tgt Ion:	113	Resp:	48609
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.8
192	18.4	12.8	19.2



#36

1,1-Dichloropropene

Concen: 4.745 ug/l

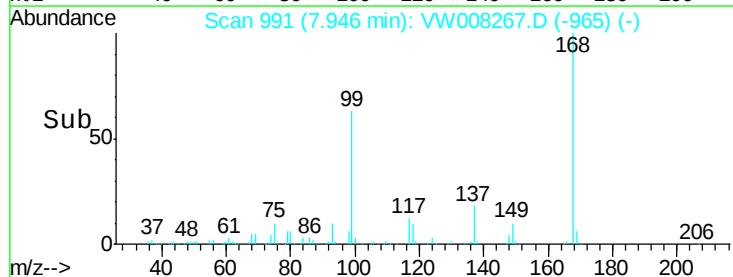
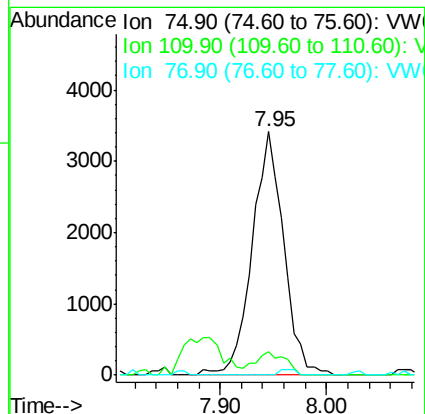
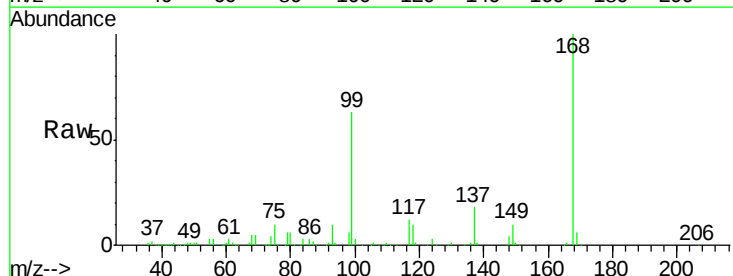
RT: 7.95 min Scan# 991

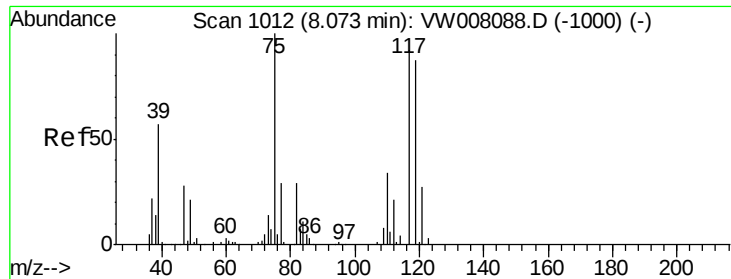
Delta R.T. -0.14 min

Lab File: VW008267.D

Acq: 15 Jan 2019 02:17

Tgt Ion:	75	Resp:	7121
Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.1	51.3#
77	1.2	25.5	38.3#





#38

Carbon Tetrachloride

Concen: 6.398 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008267.D

Acq: 15 Jan 2019 02:17

Instrument :

MSVOA_W

ClientSampled :

S-4

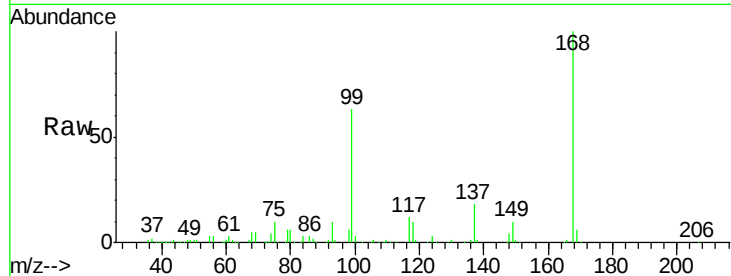
Tgt Ion: 117 Resp: 8789

Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.8#

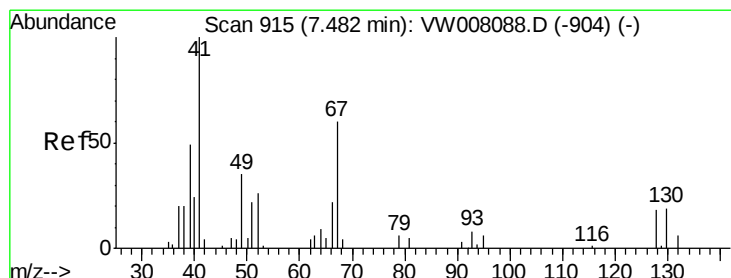
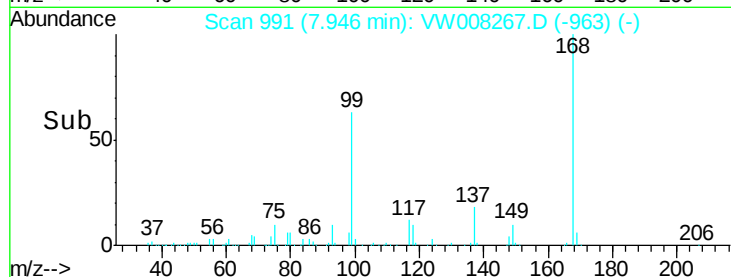
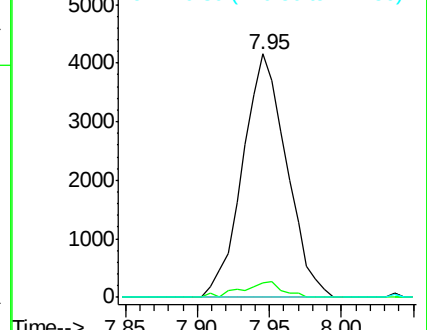
121 0.0 23.7 35.5#



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



#41

Methacrylonitrile

Concen: 1.011 ug/l

RT: 7.52 min Scan# 921

Delta R.T. 0.04 min

Lab File: VW008267.D

Acq: 15 Jan 2019 02:17

Tgt Ion: 41 Resp: 384

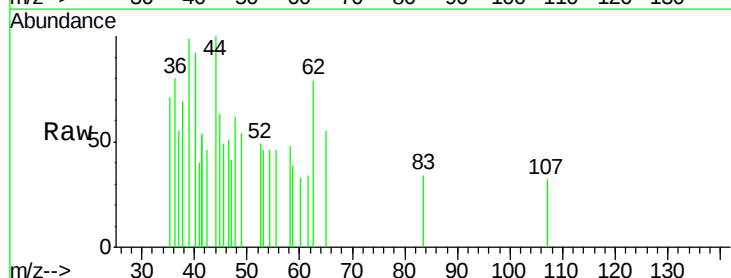
Ion Ratio Lower Upper

41 100

39 32.0 47.9 71.9#

67 0.0 56.3 84.5#

52 26.6 24.5 36.7

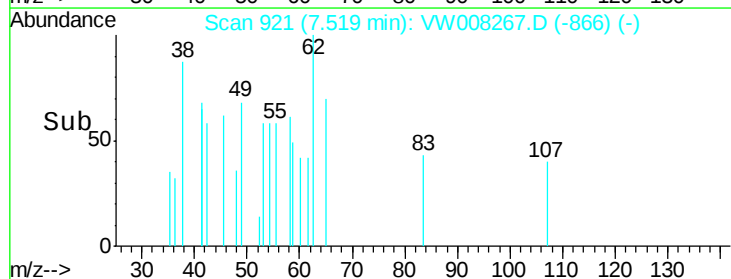
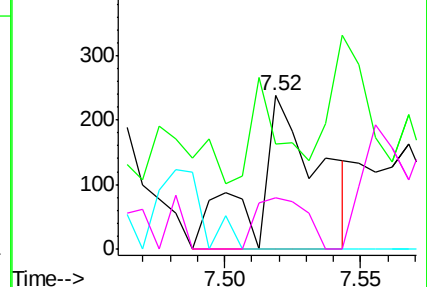


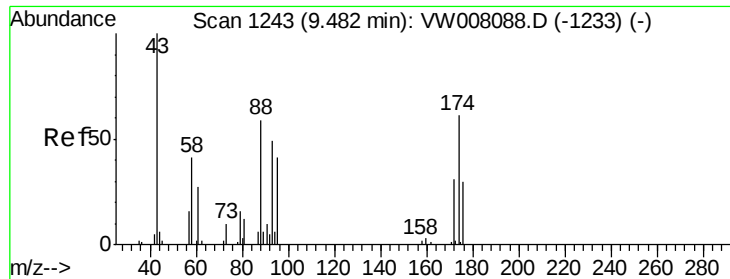
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW





#49

1,4-Dioxane

Concen: 11.666 ug/l

RT: 9.49 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VW008267.D

Acq: 15 Jan 2019 02:17

Instrument :
MSVOA_W
ClientSampled :
S-4

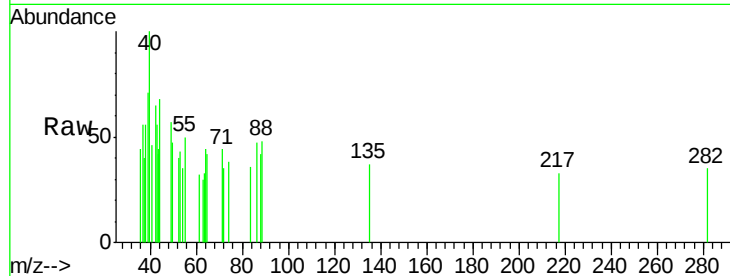
Tgt Ion: 88 Resp: 93

Ion Ratio Lower Upper

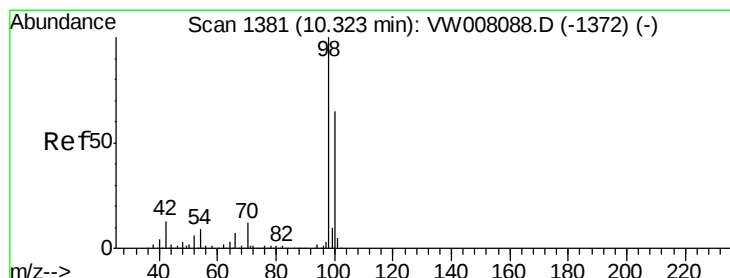
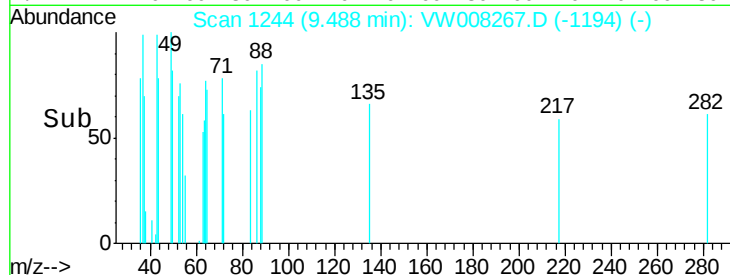
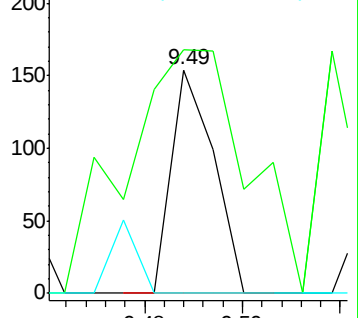
88 100

43 314.0 0.0 0.0#

58 20.4 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: 51.954 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008267.D

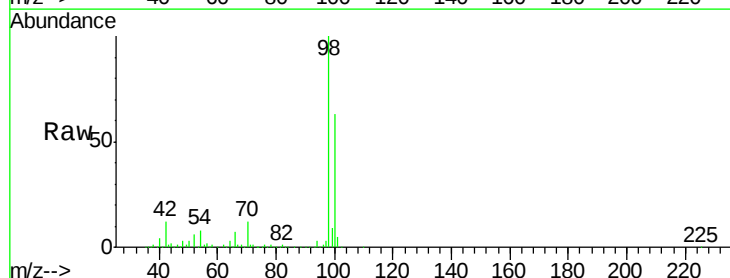
Acq: 15 Jan 2019 02:17

Tgt Ion: 98 Resp: 185262

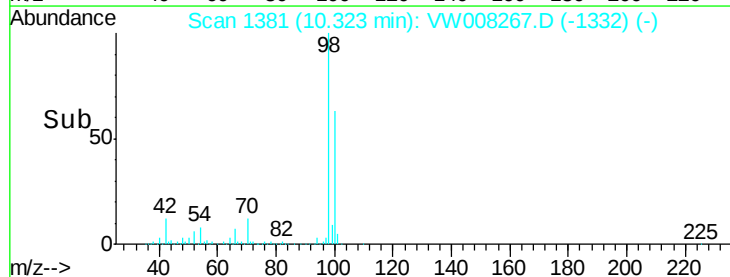
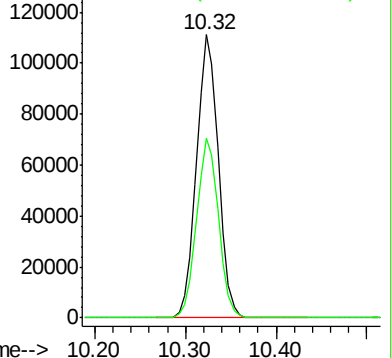
Ion Ratio Lower Upper

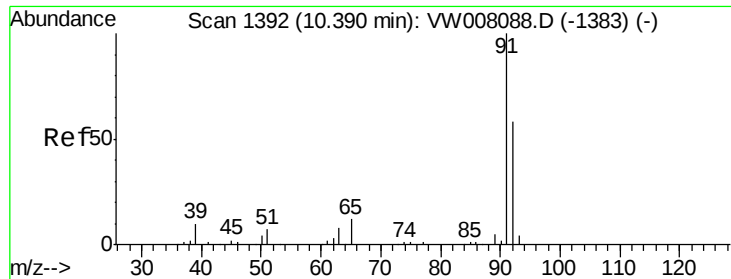
98 100

100 63.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 2.303 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008267.D

Acq: 15 Jan 2019 02:17

Instrument :

MSVOA_W

ClientSampled :

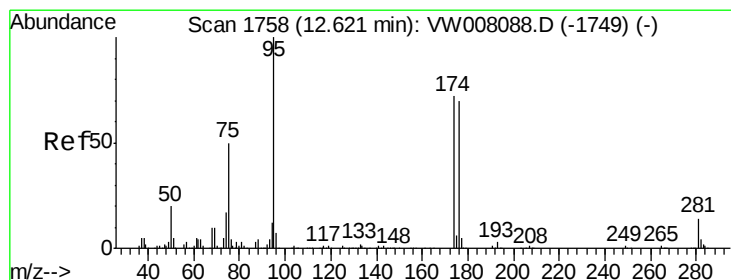
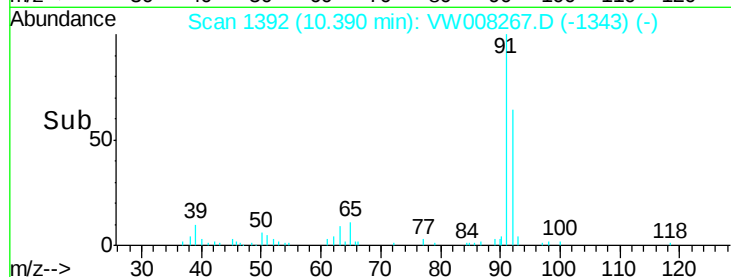
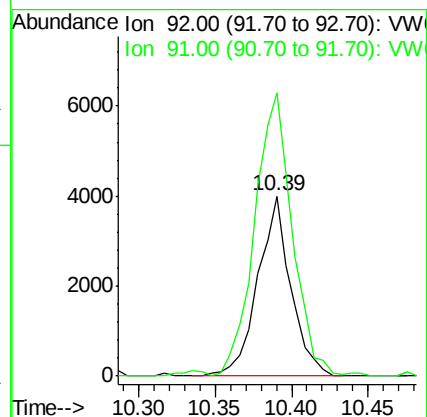
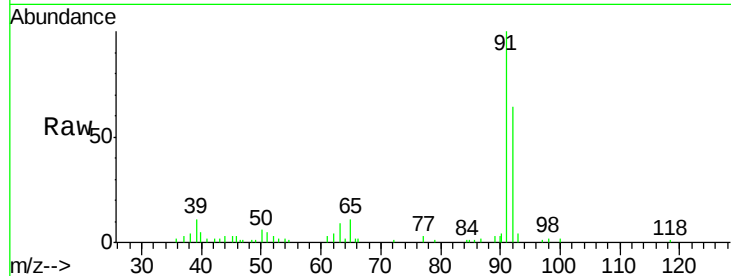
S-4

Tgt Ion: 92 Resp: 5988

Ion Ratio Lower Upper

92 100

91 179.7 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 45.203 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008267.D

Acq: 15 Jan 2019 02:17

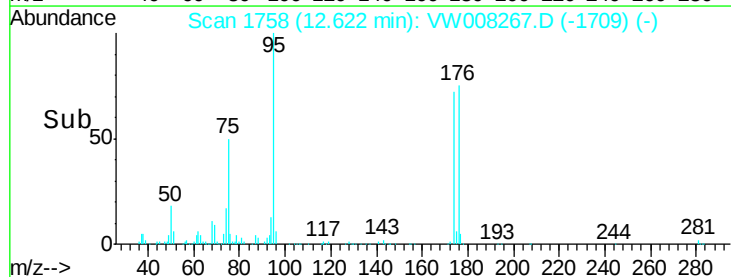
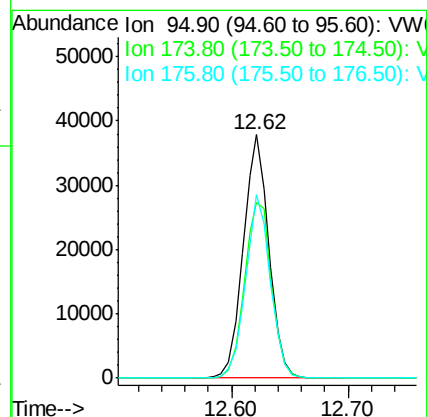
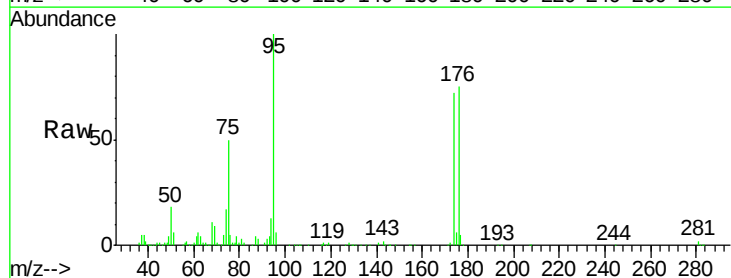
Tgt Ion: 95 Resp: 57785

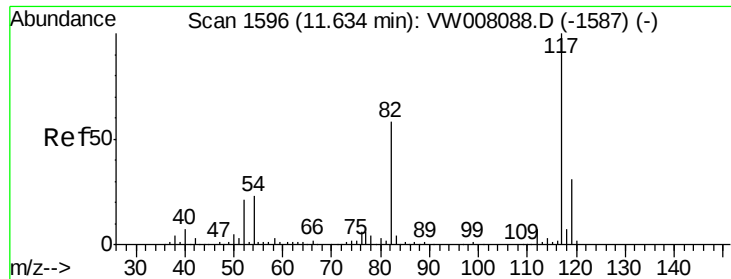
Ion Ratio Lower Upper

95 100

174 76.3 0.0 143.0

176 73.0 0.0 140.2

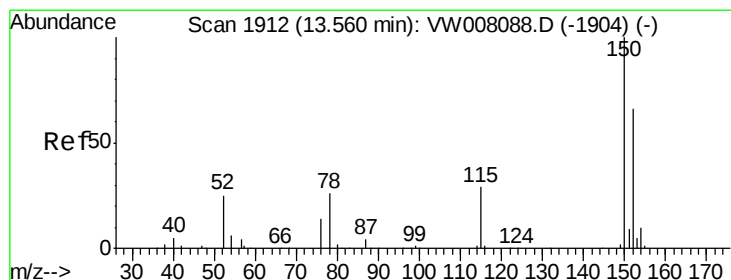
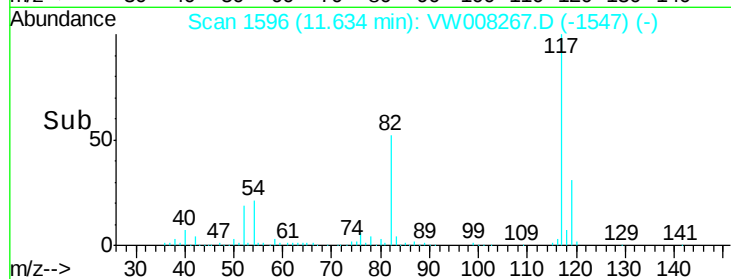
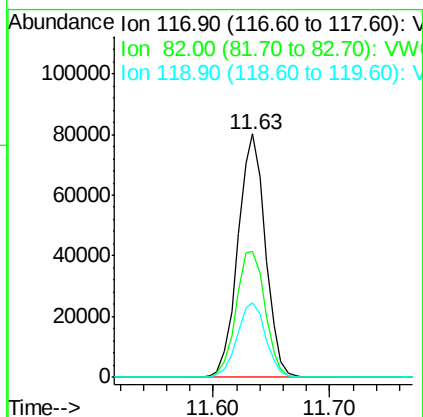
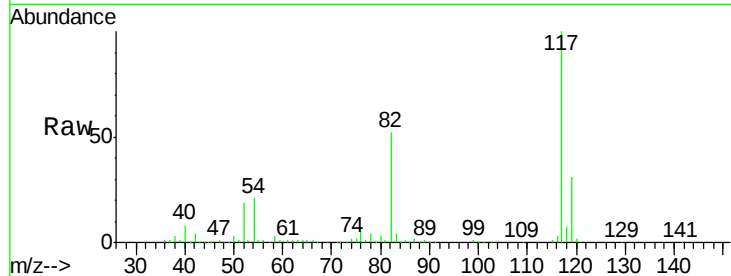




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008267.D
Acq: 15 Jan 2019 02:17

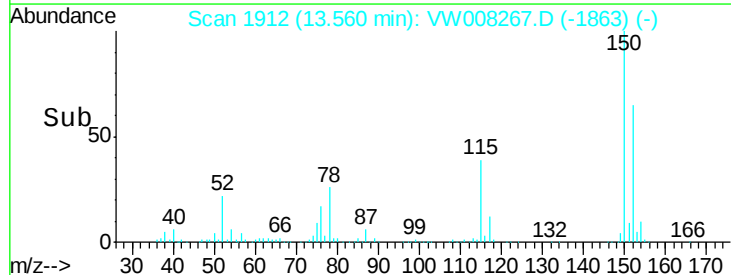
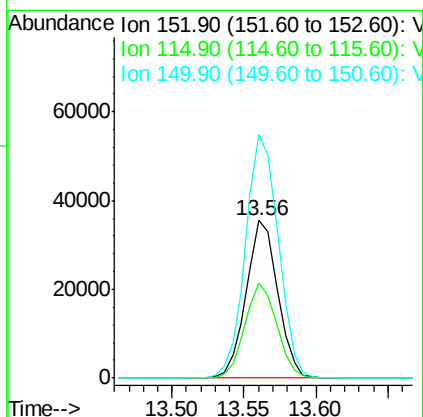
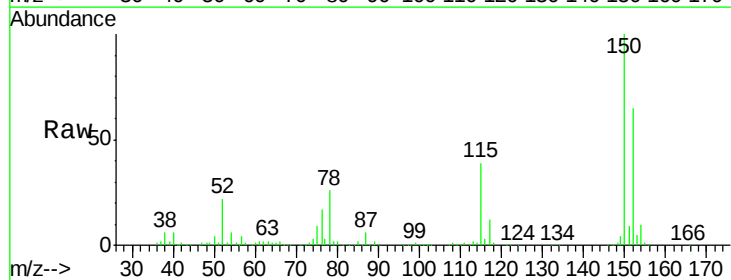
Instrument :
MSVOA_W
ClientSampled :
S-4

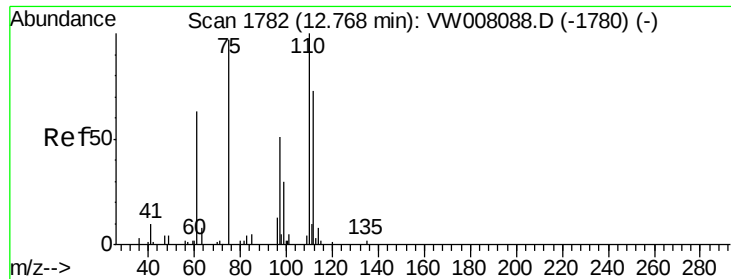
Tgt Ion:117 Resp: 131514
Ion Ratio Lower Upper
117 100
82 51.9 46.4 69.6
119 30.9 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008267.D
Acq: 15 Jan 2019 02:17

Tgt Ion:152 Resp: 53906
Ion Ratio Lower Upper
152 100
115 60.8 30.8 92.4
150 160.0 0.0 350.2

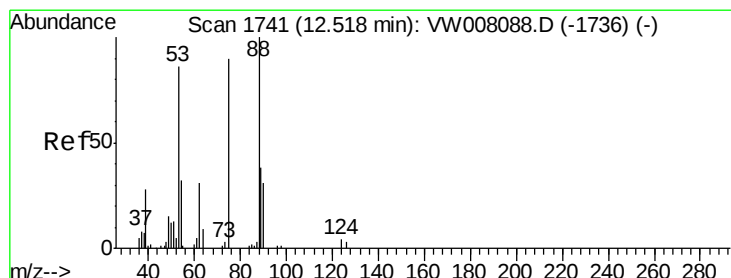
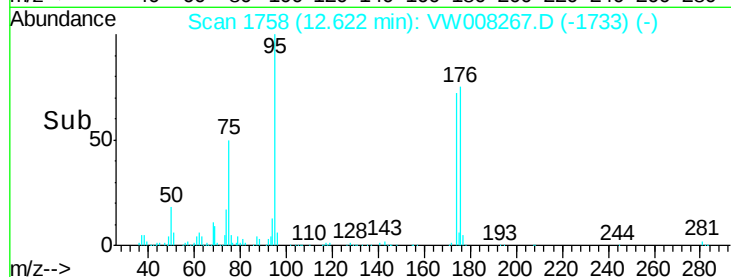
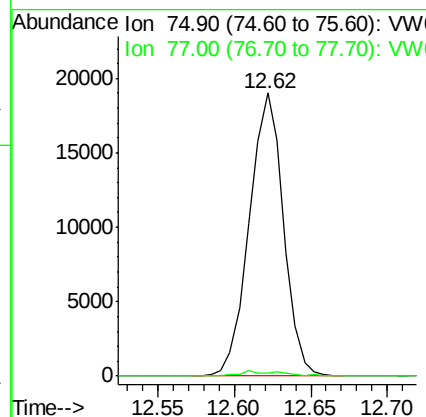
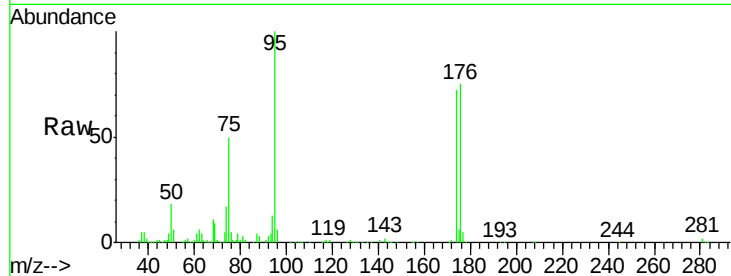




#76
 1,2,3-Trichloropropane
 Concen: 60.125 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008267.D
 Acq: 15 Jan 2019 02:17

Instrument :
 MSVOA_W
 ClientSampleId :
 S-4

Tgt Ion: 75 Resp: 29546
 Ion Ratio Lower Upper
 75 100
 77 1.4 179.4 538.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 140.012 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW008267.D
 Acq: 15 Jan 2019 02:17

Tgt Ion: 75 Resp: 29546
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.8 118.2#
 89 0.1 35.4 53.2#

