

Data File : VW008340.D
Acq On : 17 Jan 2019 20:39
Operator : SY/VA
Sample : K1189-03
Misc : 4.98G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RT3422

Quant Time: Jan 18 01:11:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 18 00:57:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	85763	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	151845	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	139229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	65208	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	51949	58.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.46%	
35) Dibromofluoromethane	7.88	113	49383	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
50) Toluene-d8	10.32	98	194659	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
62) 4-Bromofluorobenzene	12.62	95	63521	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	

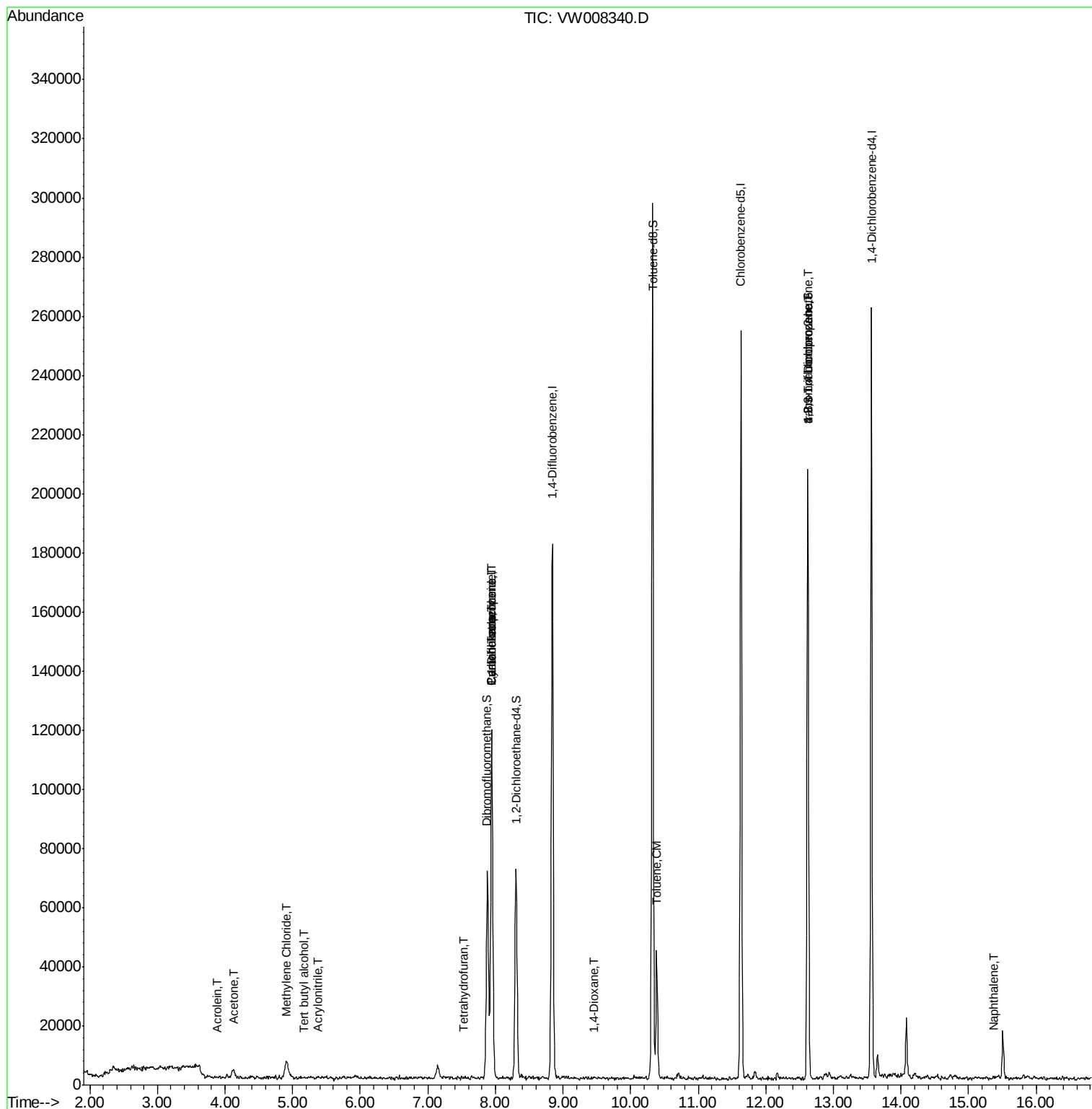
Target Compounds						Qvalue
11) Tert butyl alcohol	5.17	59	155	2.580	ug/l #	1
13) Acrolein	3.87	56	136	9.888	ug/l	92
15) Acrylonitrile	5.37	53	294	1.485	ug/l #	75
16) Acetone	4.12	43	6097	29.428	ug/l	94
20) Methylene Chloride	4.90	84	5100	1.891	ug/l #	84
29) Tetrahydrofuran	7.52	42	178	1.076	ug/l #	81
31) Cyclohexane	7.95	56	2186	1.312	ug/l #	30
36) 1,1-Dichloropropene	7.95	75	7368	4.823	ug/l #	51
38) Carbon Tetrachloride	7.95	117	8751	5.801	ug/l #	18
49) 1,4-Dioxane	9.45	88	23	2.550	ug/l #	1
52) Toluene	10.39	92	18224	6.655	ug/l	100
76) 1,2,3-Trichloropropane	12.62	75	32368	54.508	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	32368	130.080	ug/l #	12
95) Naphthalene	15.37	128	496	2.518	ug/l #	79

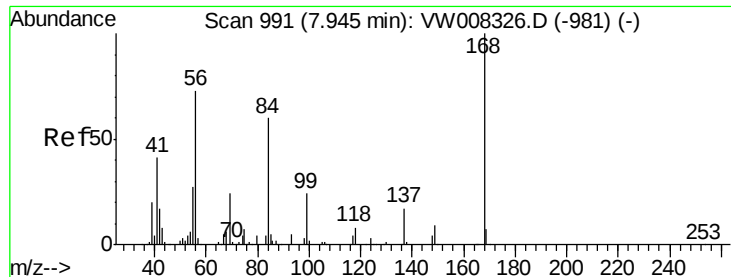
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008340.D

Acq: 17 Jan 2019 20:39

Instrument :

MSVOA_W

ClientSampleId :

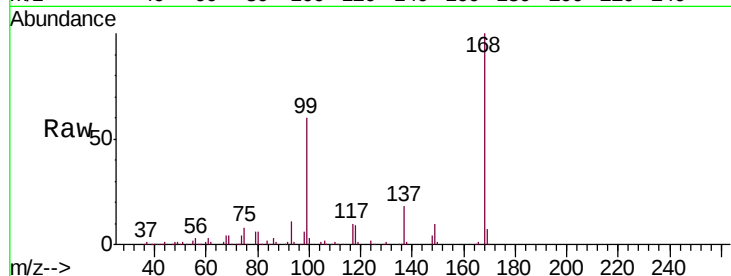
RT3422

Tgt Ion:168 Resp: 85763

Ion Ratio Lower Upper

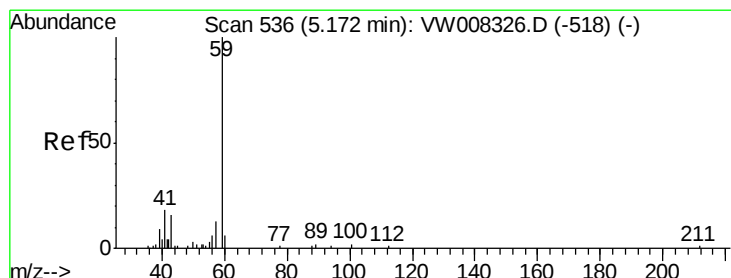
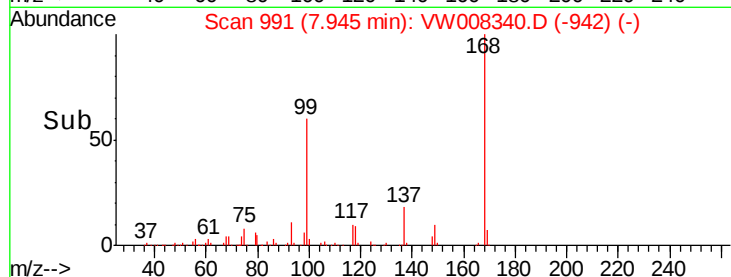
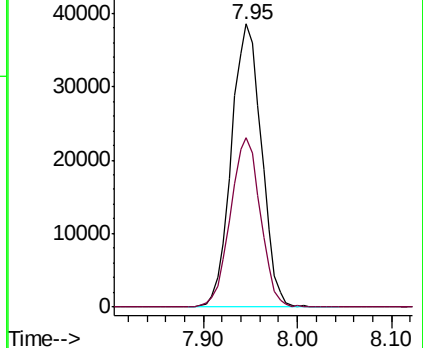
168 100

99 59.7 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.580 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW008340.D

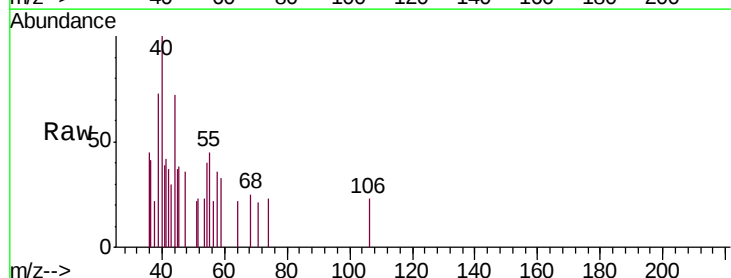
Acq: 17 Jan 2019 20:39

Tgt Ion: 59 Resp: 155

Ion Ratio Lower Upper

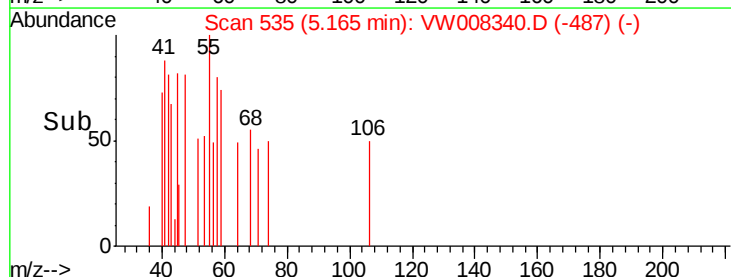
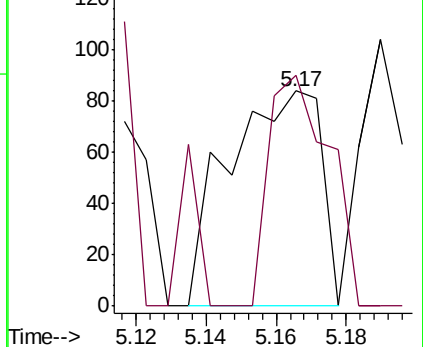
59 100

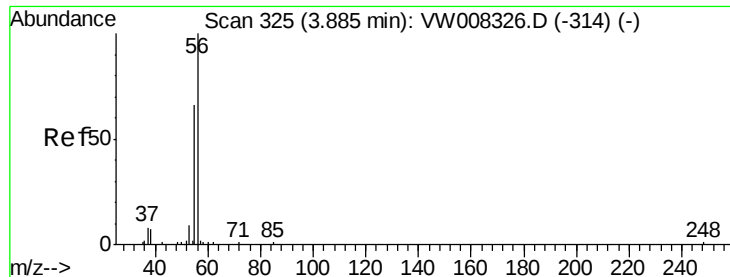
57 70.3 9.4 14.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 9.888 ug/l

RT: 3.87 min Scan# 323

Delta R.T. -0.01 min

Lab File: VW008340.D

Acq: 17 Jan 2019 20:39

Instrument :

MSVOA_W

ClientSampled :

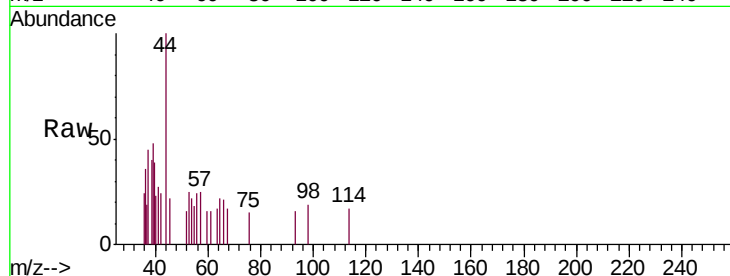
RT3422

Tgt Ion: 56 Resp: 136

Ion Ratio Lower Upper

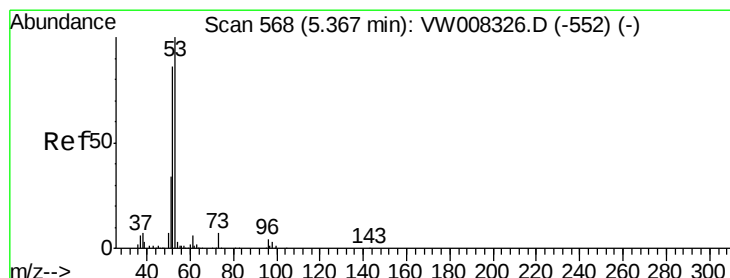
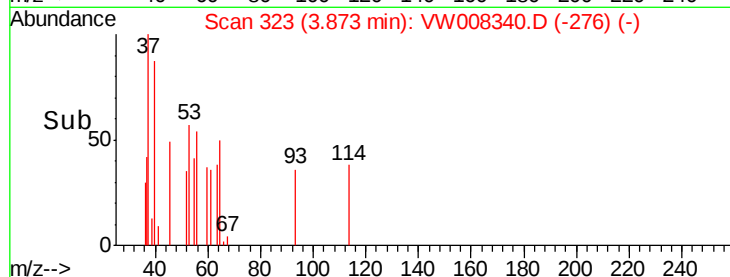
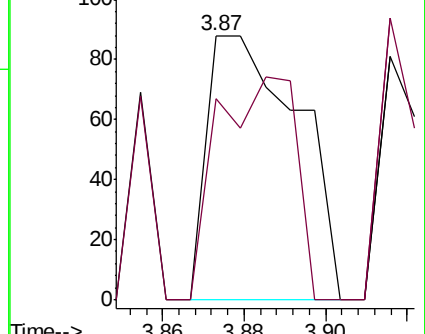
56 100

55 72.8 52.9 79.3



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#15

Acrylonitrile

Concen: 1.485 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW008340.D

Acq: 17 Jan 2019 20:39

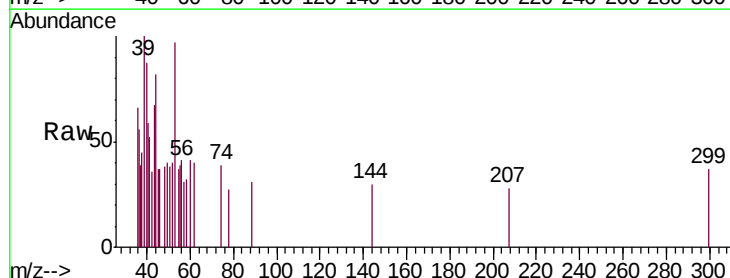
Tgt Ion: 53 Resp: 294

Ion Ratio Lower Upper

53 100

52 52.0 66.4 99.6#

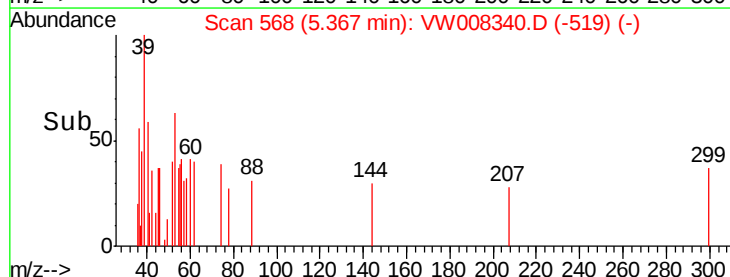
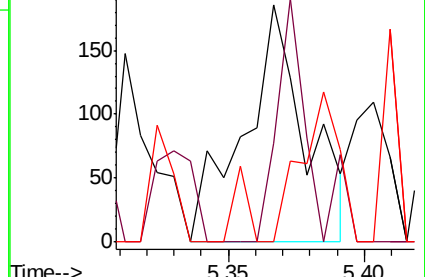
51 38.8 29.6 44.4

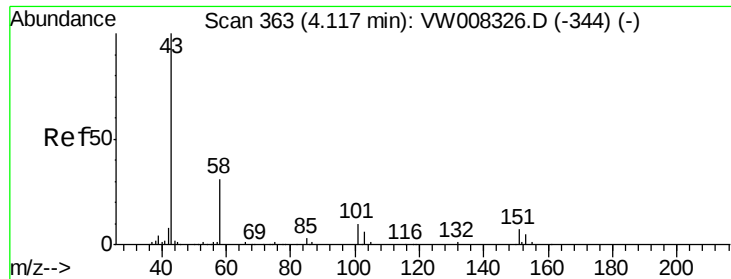


Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW

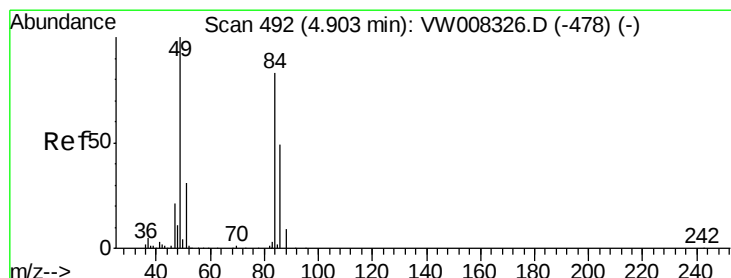
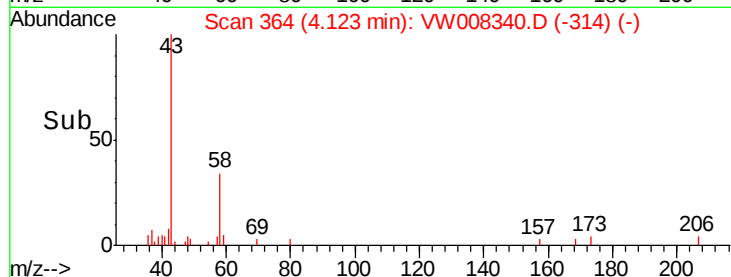
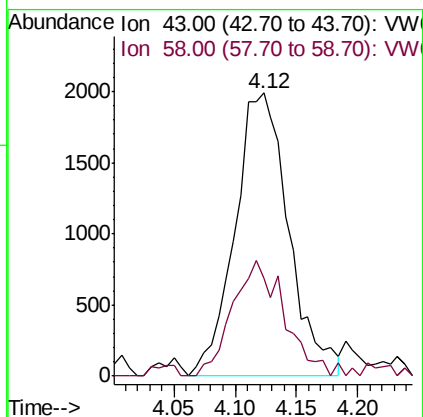
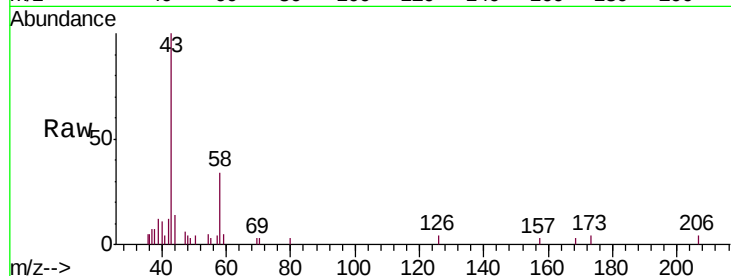




#16
Acetone
Concen: 29.428 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW008340.D
Acq: 17 Jan 2019 20:39

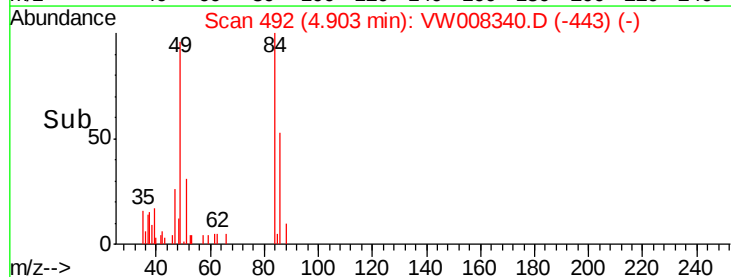
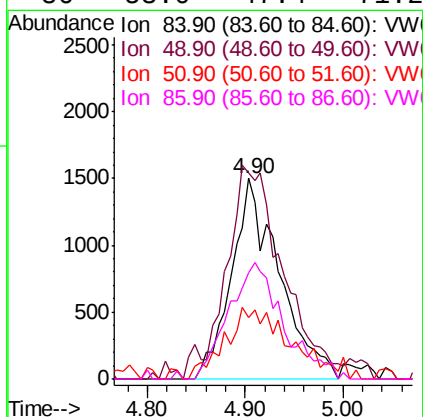
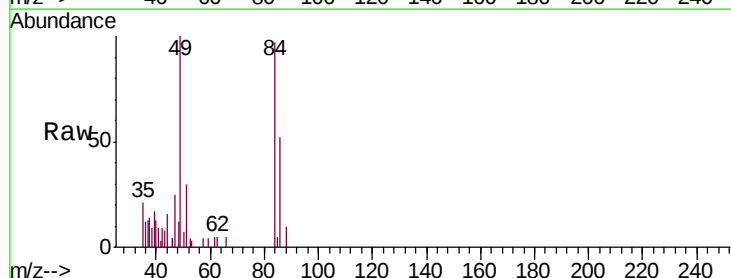
Instrument :
MSVOA_W
ClientSampled :
RT3422

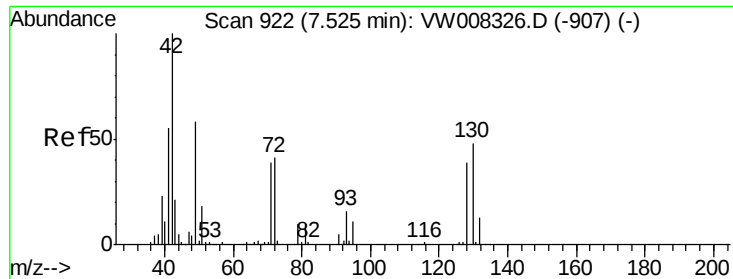
Tgt Ion: 43 Resp: 6097
Ion Ratio Lower Upper
43 100
58 34.4 24.7 37.1



#20
Methylene Chloride
Concen: 1.891 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW008340.D
Acq: 17 Jan 2019 20:39

Tgt Ion: 84 Resp: 5100
Ion Ratio Lower Upper
84 100
49 95.2 95.9 143.9#
51 30.7 29.3 43.9
86 53.0 47.4 71.2

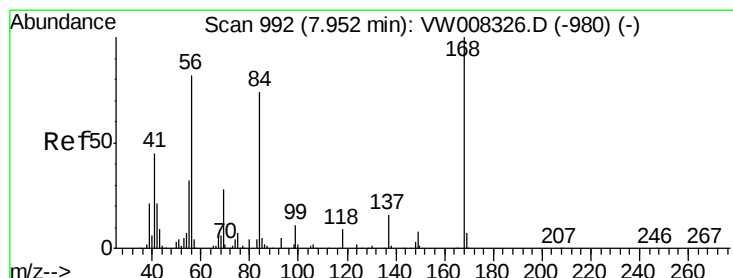
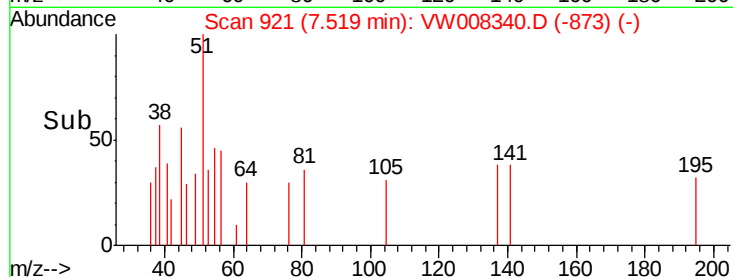
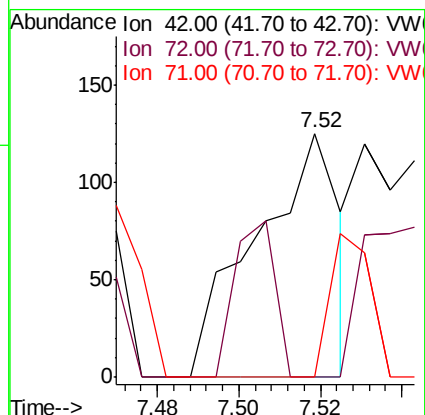
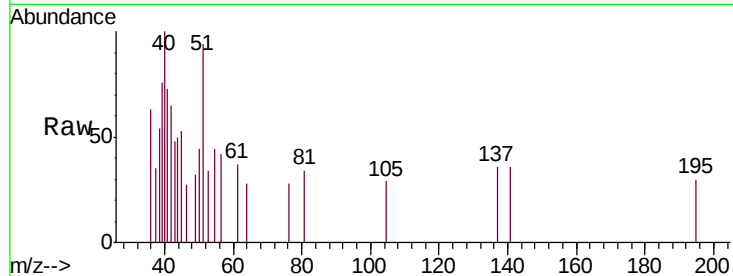




#29
Tetrahydrofuran
Concen: 1.076 ug/l
RT: 7.52 min Scan# 921
Delta R.T. -0.01 min
Lab File: VW008340.D
Acq: 17 Jan 2019 20:39

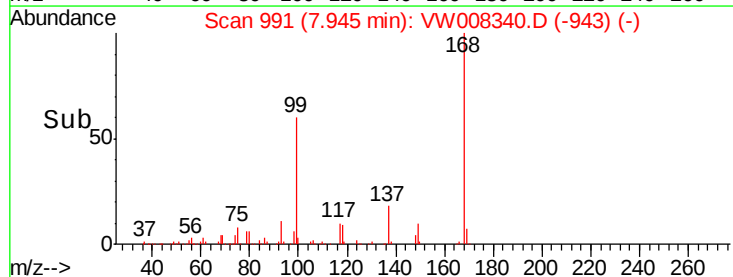
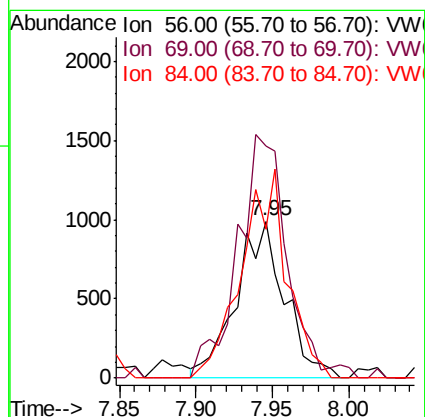
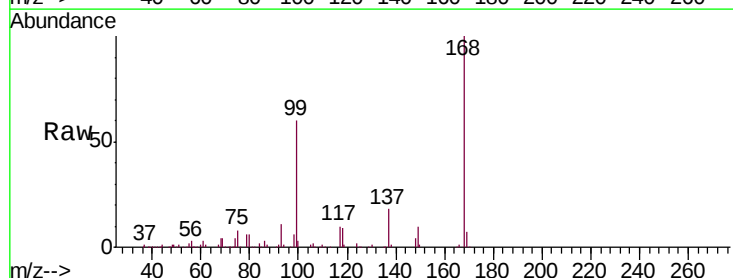
Instrument :
MSVOA_W
ClientSampled :
RT3422

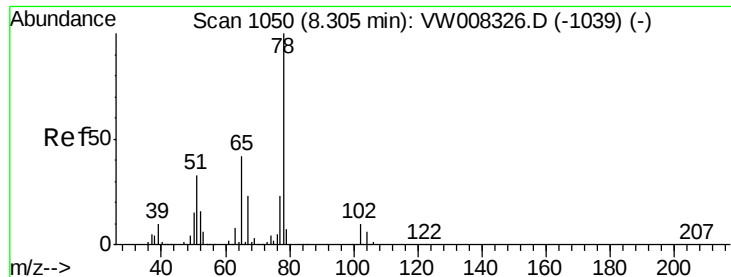
Tgt Ion: 42 Resp: 178
Ion Ratio Lower Upper
42 100
72 30.9 34.0 51.0#
71 28.1 32.0 48.0#



#31
Cyclohexane
Concen: 1.312 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008340.D
Acq: 17 Jan 2019 20:39

Tgt Ion: 56 Resp: 2186
Ion Ratio Lower Upper
56 100
69 148.6 27.0 40.6#
84 111.0 72.5 108.7#





#33

1,2-Dichloroethane-d4

Concen: 58.230 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008340.D

Acq: 17 Jan 2019 20:39

Instrument :

MSVOA_W

ClientSampled :

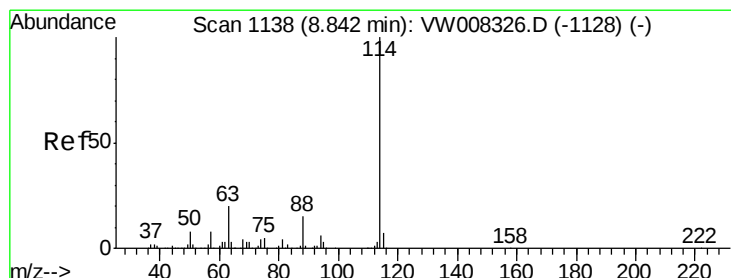
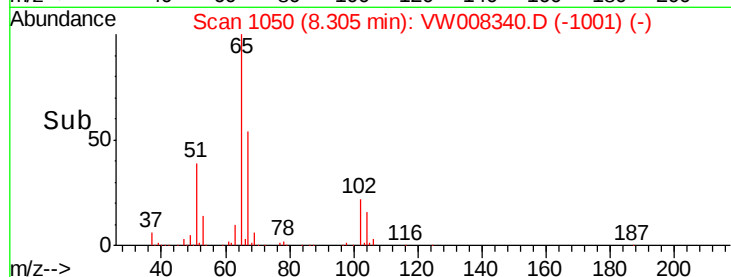
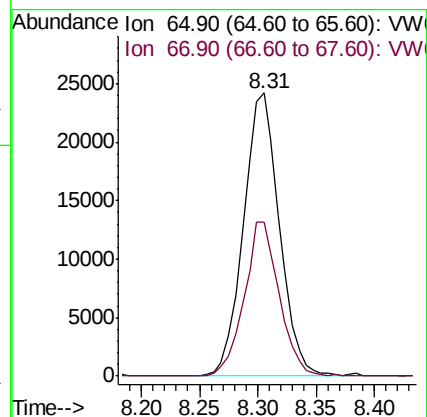
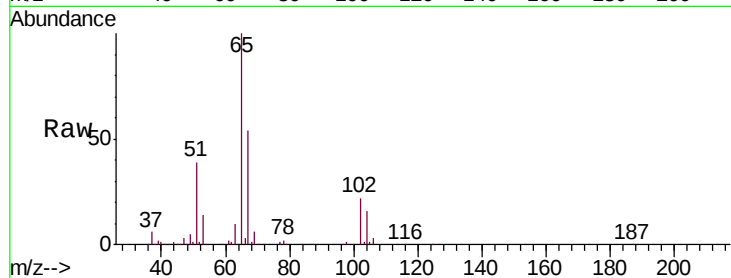
RT3422

Tgt Ion: 65 Resp: 51949

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008340.D

Acq: 17 Jan 2019 20:39

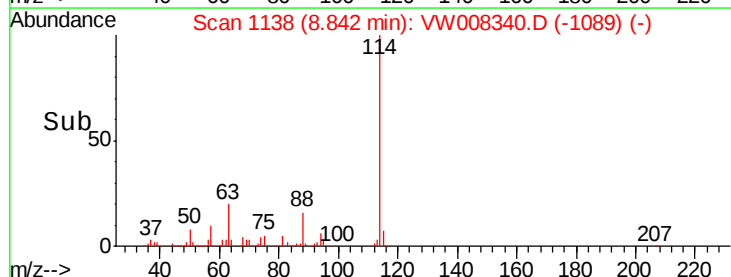
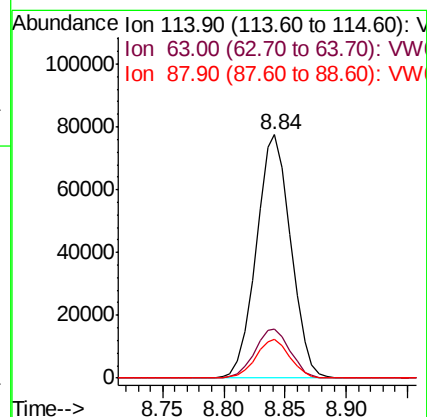
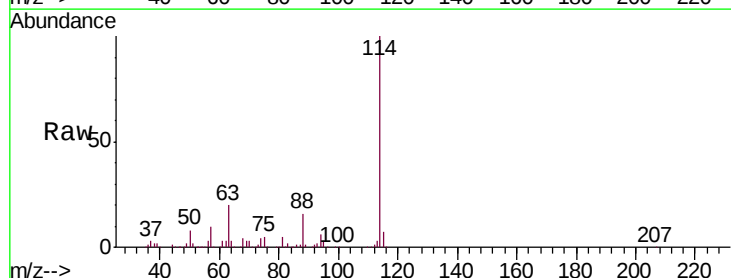
Tgt Ion: 114 Resp: 151845

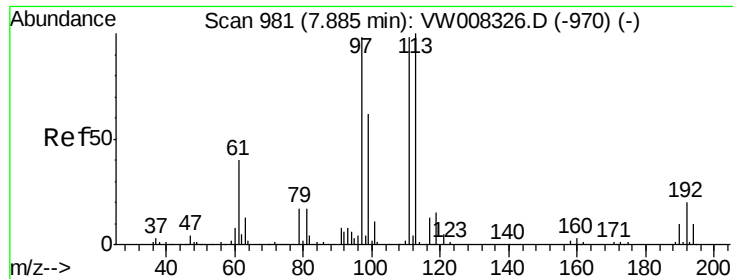
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.8

88 15.8 0.0 30.4

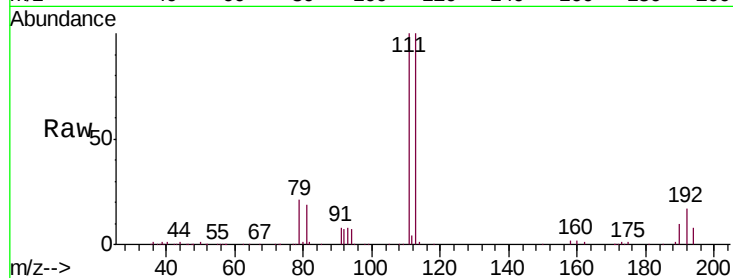




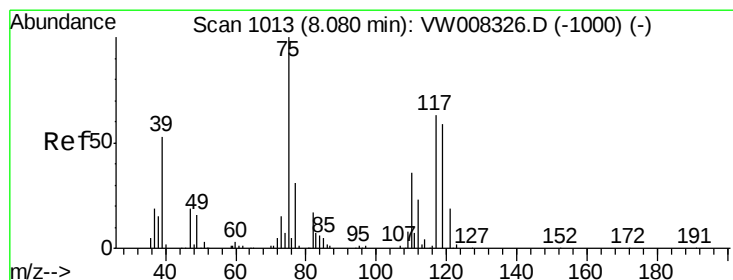
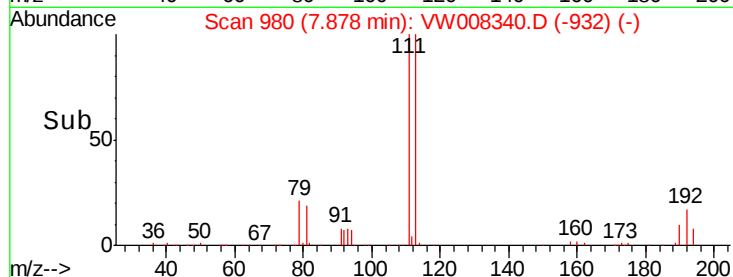
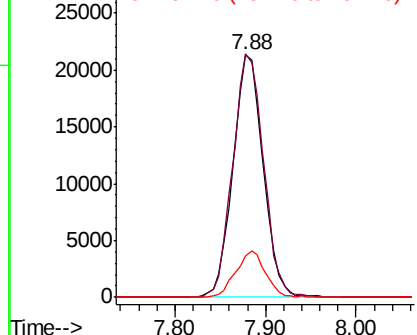
#35
 Dibromofluoromethane
 Concen: 50.948 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008340.D
 Acq: 17 Jan 2019 20:39

Instrument :
 MSVOA_W
 ClientSampleId :
 RT3422

Tgt Ion: 113 Resp: 49383
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.8 122.8
 192 18.8 16.3 24.5

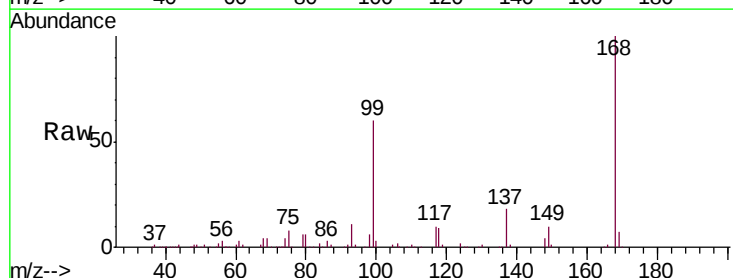


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

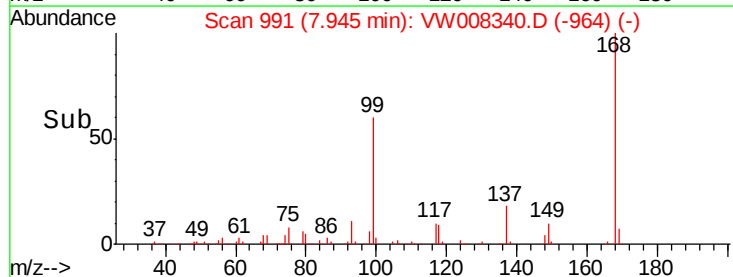
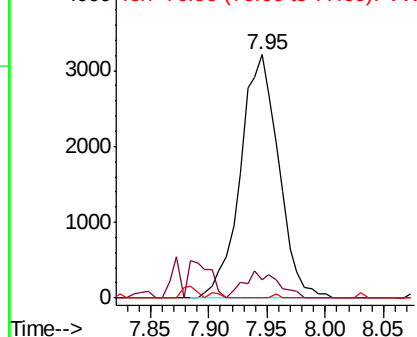


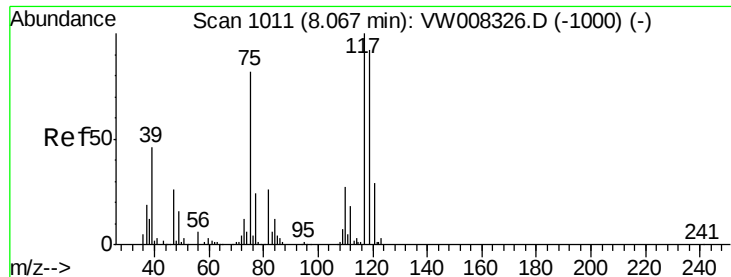
#36
 1,1-Dichloropropene
 Concen: 4.823 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008340.D
 Acq: 17 Jan 2019 20:39

Tgt Ion: 75 Resp: 7368
 Ion Ratio Lower Upper
 75 100
 110 9.9 17.5 52.6#
 77 0.3 25.0 37.6#



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: 5.801 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008340.D

Acq: 17 Jan 2019 20:39

Instrument :

MSVOA_W

ClientSampled :

RT3422

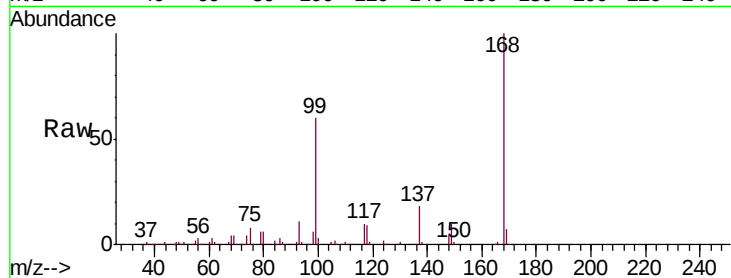
Tgt Ion:117 Resp: 8751

Ion Ratio Lower Upper

117 100

119 5.0 73.8 110.6#

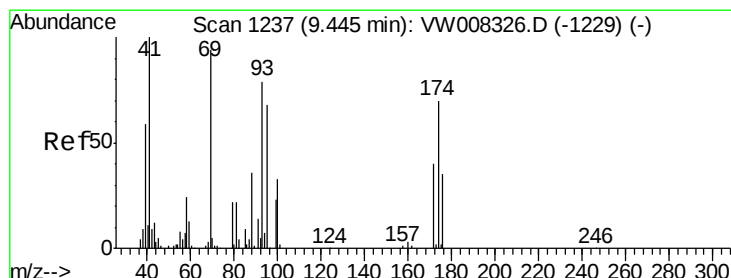
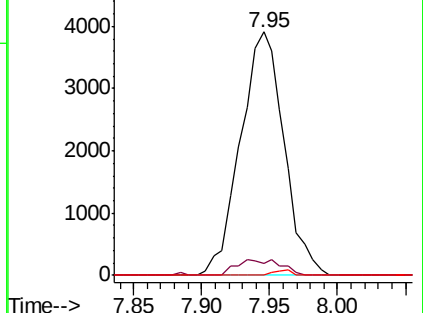
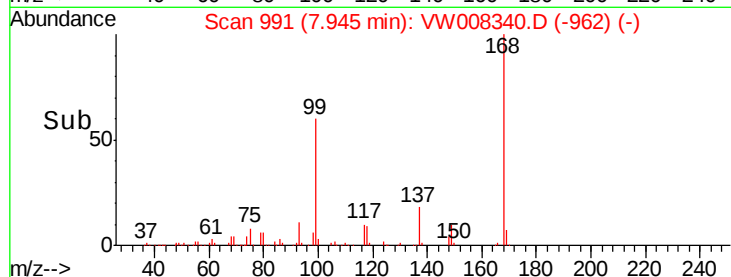
121 0.0 23.4 35.0#



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: 2.550 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW008340.D

Acq: 17 Jan 2019 20:39

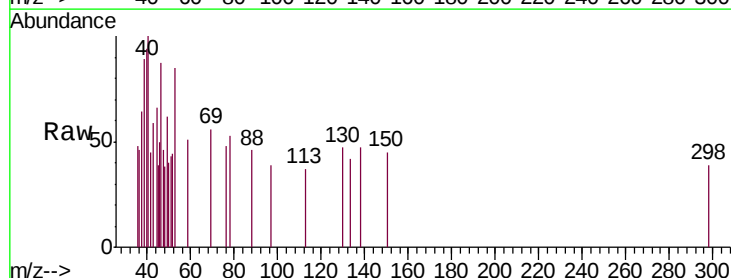
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 656.5 27.1 40.7#

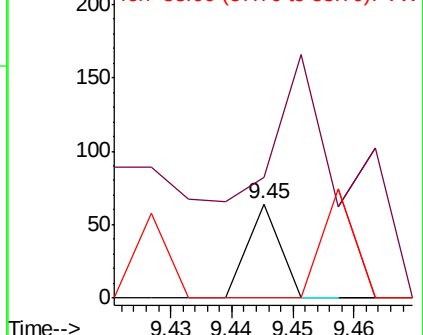
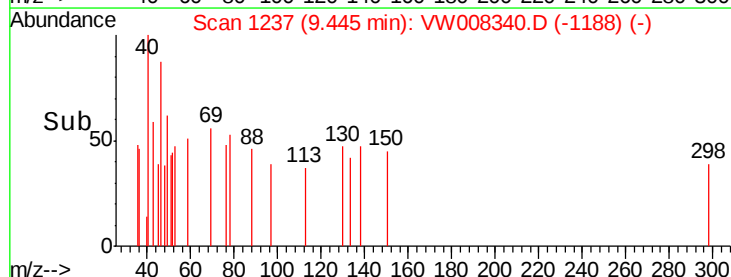
58 117.4 57.9 86.9#

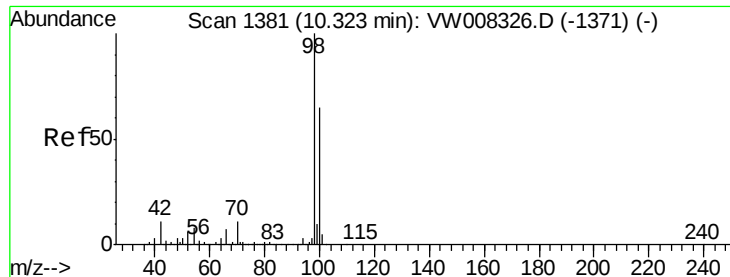


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

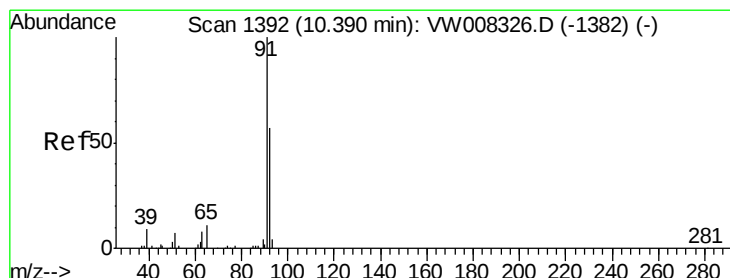
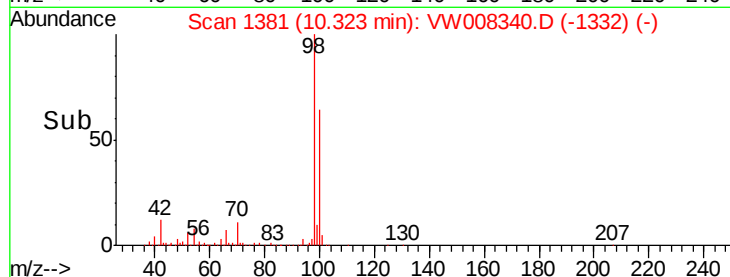
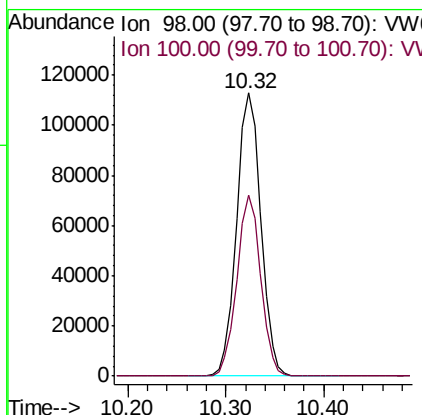
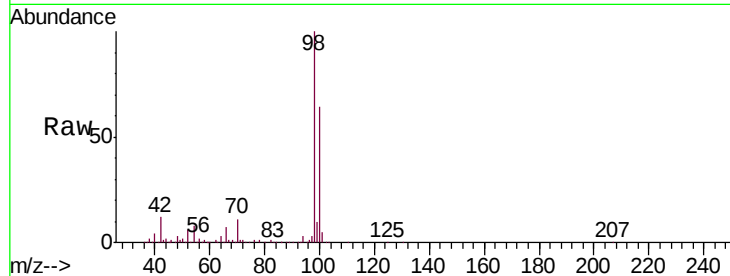




#50
Toluene-d8
Concen: 51.120 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008340.D
Acq: 17 Jan 2019 20:39

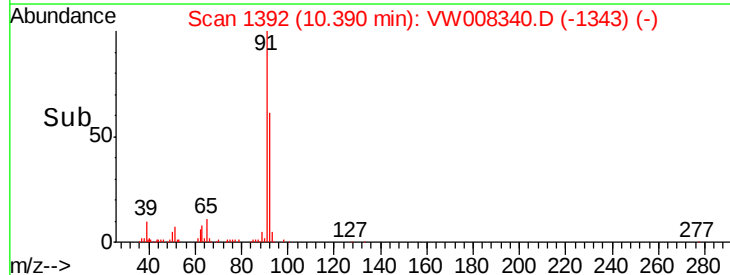
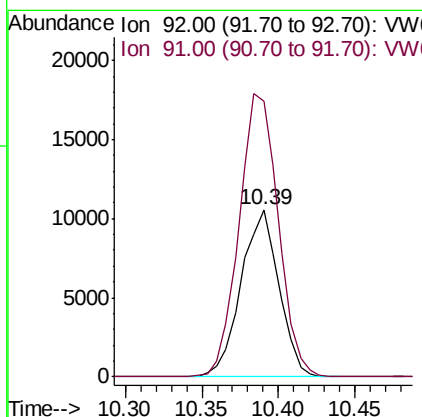
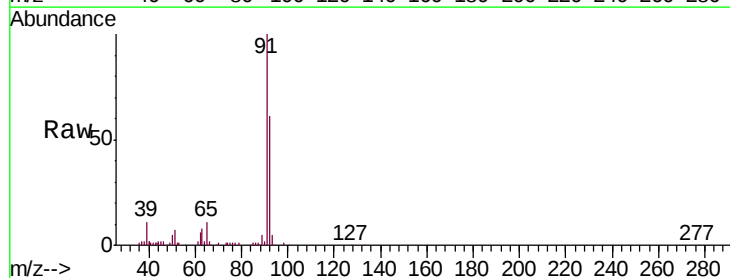
Instrument :
MSVOA_W
ClientSampleId :
RT3422

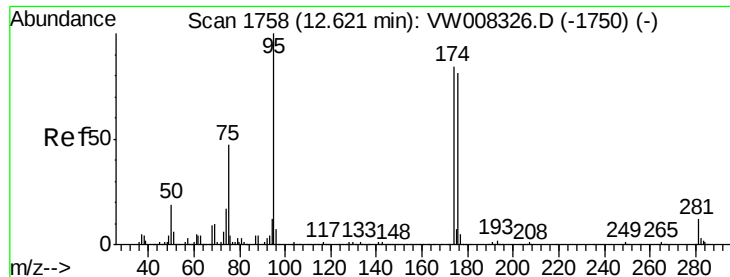
Tgt Ion: 98 Resp: 194659
Ion Ratio Lower Upper
98 100
100 63.0 51.8 77.8



#52
Toluene
Concen: 6.655 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW008340.D
Acq: 17 Jan 2019 20:39

Tgt Ion: 92 Resp: 18224
Ion Ratio Lower Upper
92 100
91 175.0 140.2 210.2

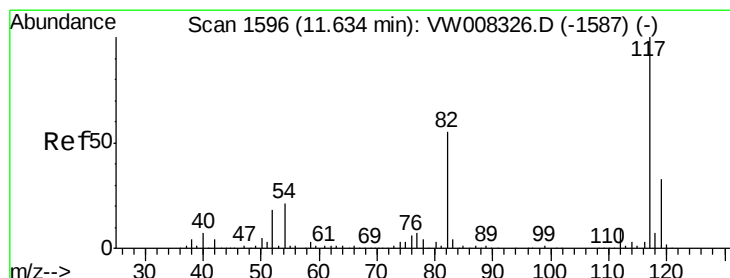
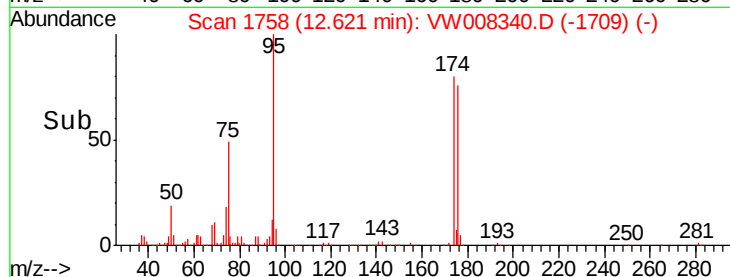
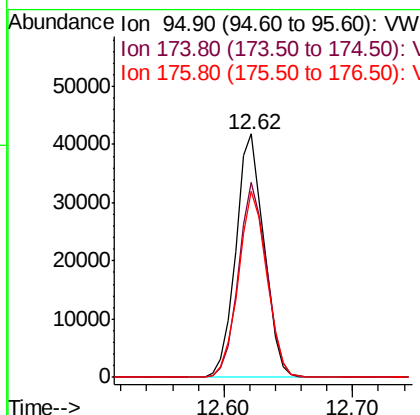
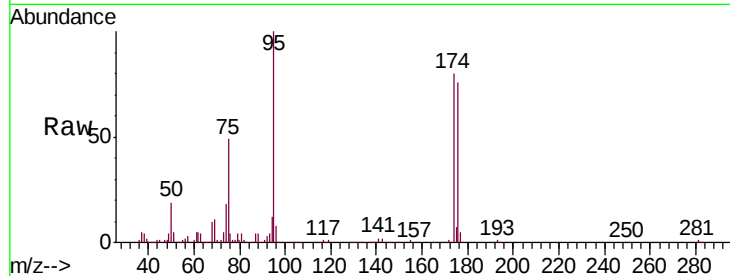




#62
4-Bromofluorobenzene
Concen: 46.512 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008340.D
Acq: 17 Jan 2019 20:39

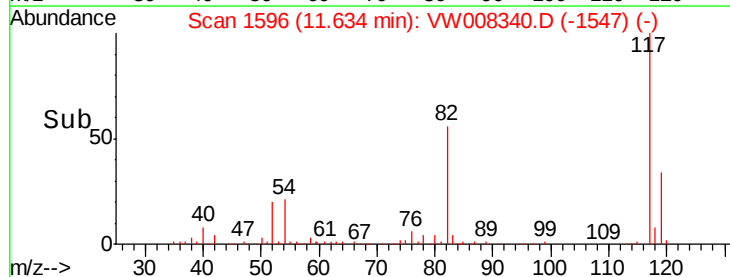
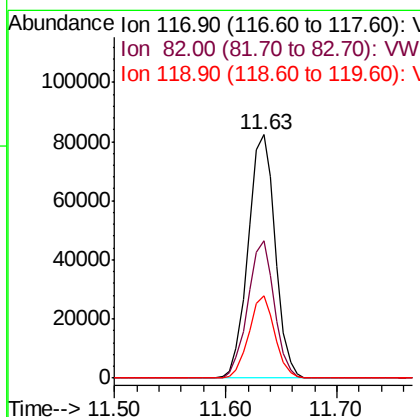
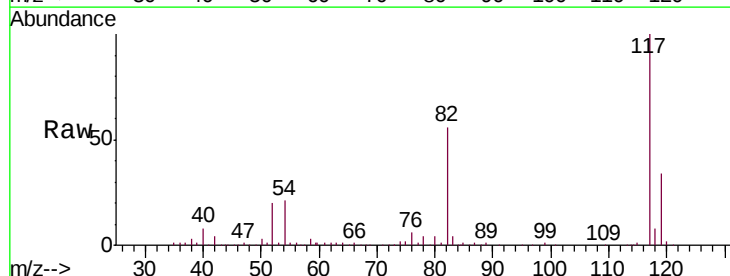
Instrument :
MSVOA_W
ClientSampled :
RT3422

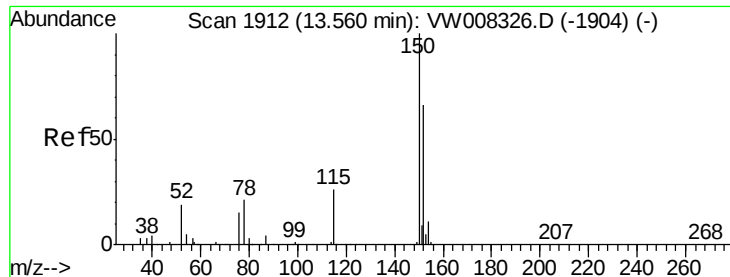
Tgt Ion: 95 Resp: 63521
Ion Ratio Lower Upper
95 100
174 79.5 0.0 166.0
176 76.8 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008340.D
Acq: 17 Jan 2019 20:39

Tgt Ion: 117 Resp: 139229
Ion Ratio Lower Upper
117 100
82 56.4 44.3 66.5
119 33.7 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: VW008340.D

Acq: 17 Jan 2019 20:39

Instrument :

MSVOA_W

ClientSampleId :

RT3422

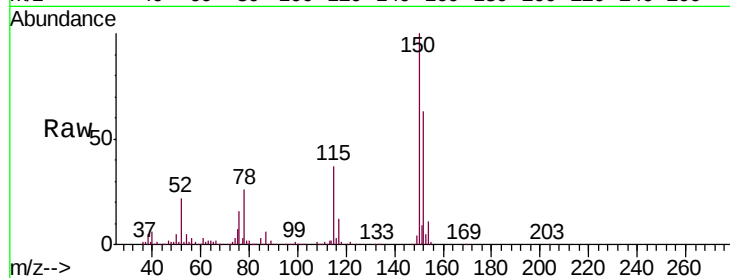
Tgt Ion: 152 Resp: 65208

Ion Ratio Lower Upper

152 100

115 58.8 28.8 86.4

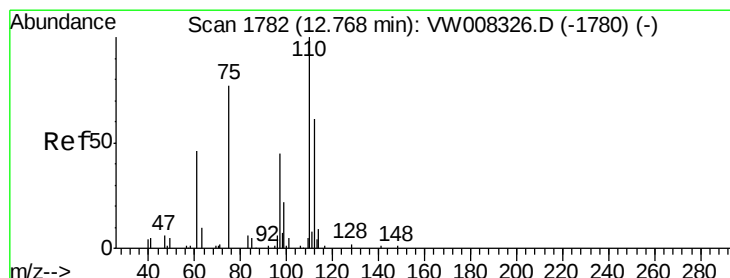
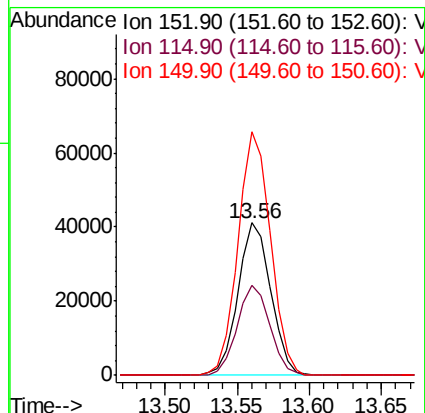
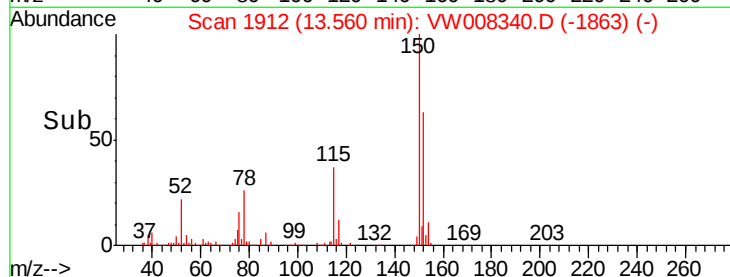
150 157.9 0.0 351.4



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: 54.508 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008340.D

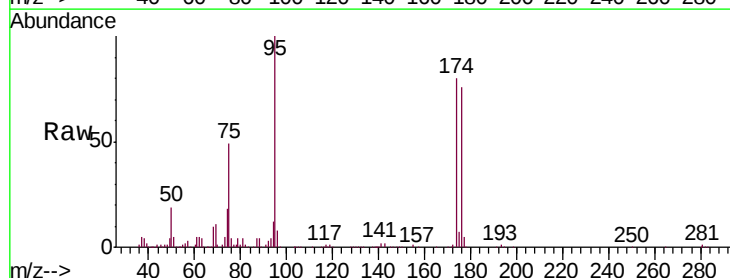
Acq: 17 Jan 2019 20:39

Tgt Ion: 75 Resp: 32368

Ion Ratio Lower Upper

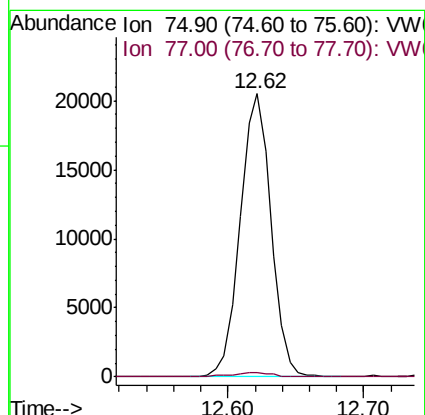
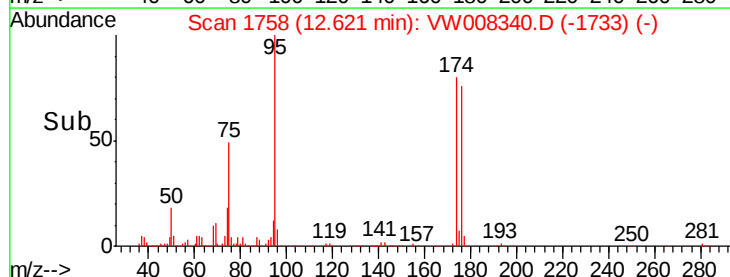
75 100

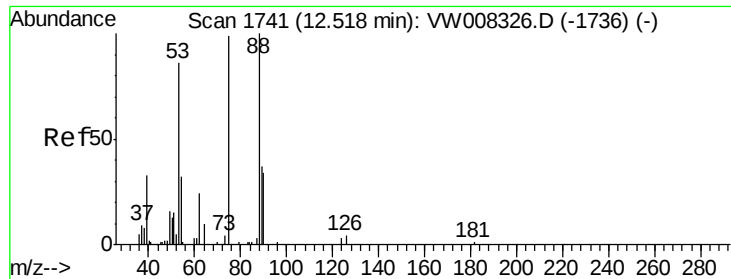
77 2.0 175.3 526.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

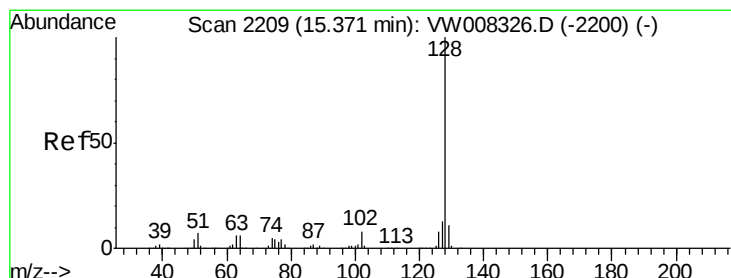
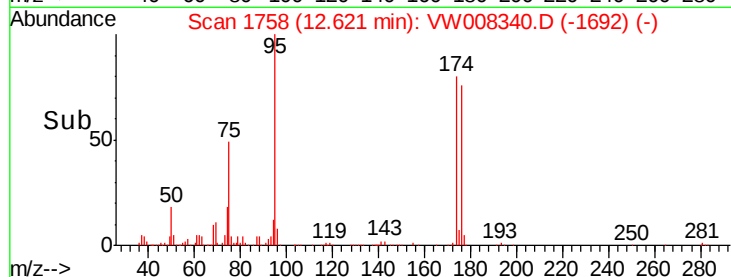
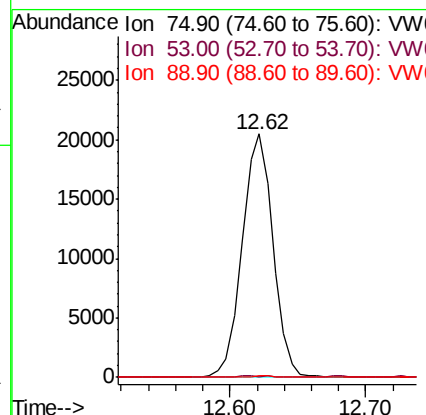
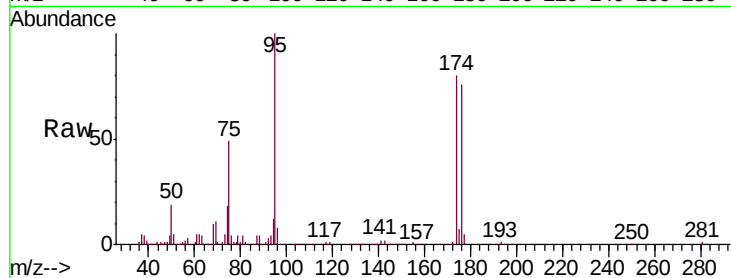




#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.080 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW008340.D
 Acq: 17 Jan 2019 20:39

Instrument :
 MSVOA_W
 ClientSampleId :
 RT3422

Tgt Ion: 75 Resp: 32368
 Ion Ratio Lower Upper
 75 100
 53 0.6 76.2 114.4#
 89 0.5 36.7 55.1#



#95
 Naphthalene
 Concen: 2.518 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW008340.D
 Acq: 17 Jan 2019 20:39

Tgt Ion: 128 Resp: 496
 Ion Ratio Lower Upper
 128 100
 127 19.2 10.5 15.7#
 129 0.0 8.8 13.2#

