

Data File : VW008537.D
Acq On : 06 Feb 2019 19:28
Operator : SY/VA
Sample : K1389-03
Misc : 5.27G/5ML/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
M-4

Quant Time: Feb 07 01:51:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	532674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	849115	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	793549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	396385	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	286446	54.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.48%	
35) Dibromofluoromethane	7.88	113	267662	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
50) Toluene-d8	10.32	98	1018667	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
62) 4-Bromofluorobenzene	12.62	95	385836	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	

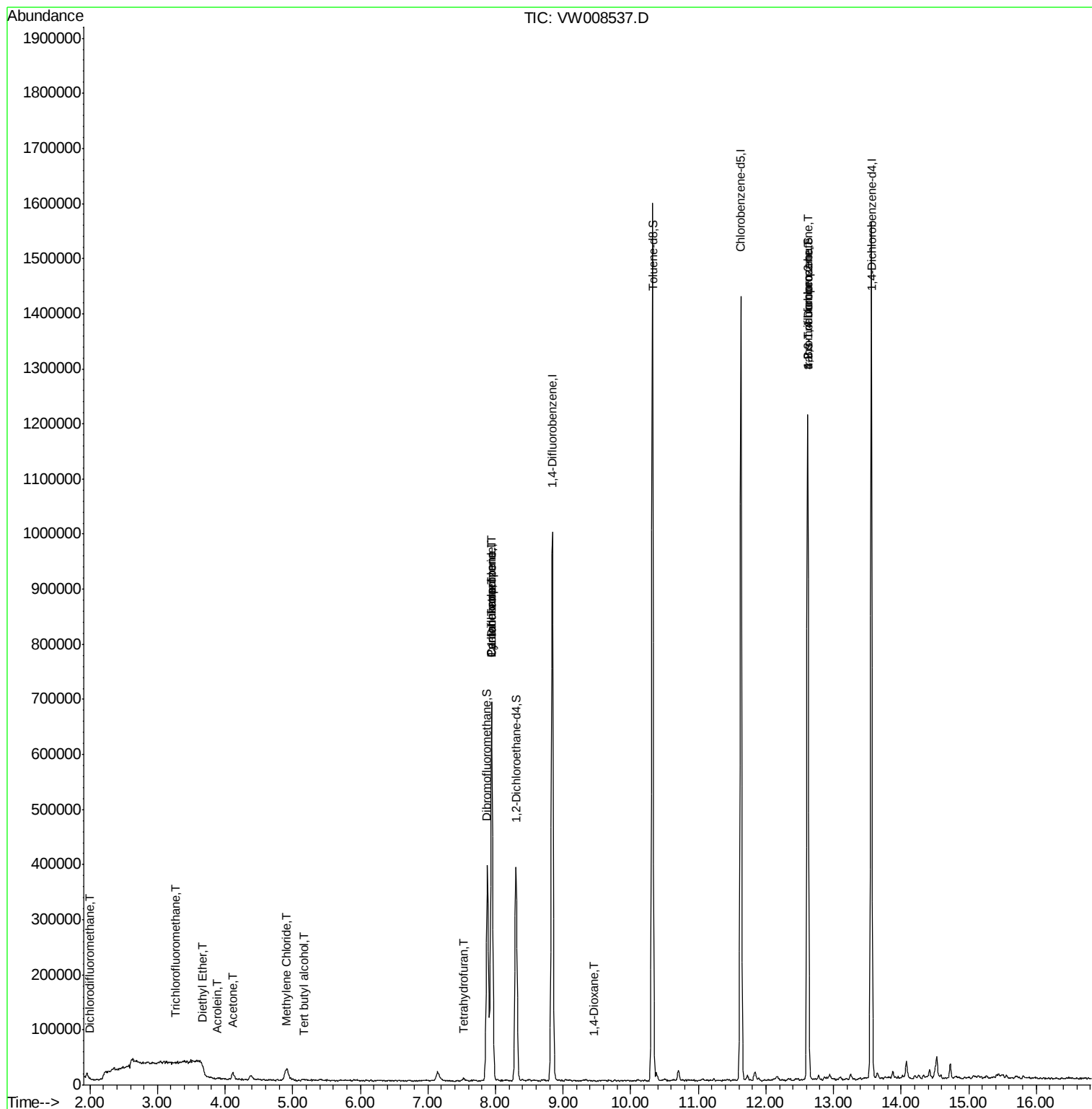
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	130	3.292	ug/l #	41
7) Trichlorofluoromethane	3.28	101	228	4.768	ug/l #	54
8) Diethyl Ether	3.67	74	7620	2.869	ug/l	97
11) Tert butyl alcohol	5.17	59	2313	5.490	ug/l	94
13) Acrolein	3.88	56	171	4.638	ug/l #	1
16) Acetone	4.12	43	22101	18.807	ug/l	98
20) Methylene Chloride	4.90	84	19409	3.583	ug/l	86
29) Tetrahydrofuran	7.52	42	2818	2.724	ug/l	93
31) Cyclohexane	7.95	56	11778	1.147	ug/l #	26
36) 1,1-Dichloropropene	7.95	75	37701	4.700	ug/l #	51
38) Carbon Tetrachloride	7.95	117	50744	6.287	ug/l #	17
49) 1,4-Dioxane	9.45	88	104	2.156	ug/l #	23
76) 1,2,3-Trichloropropane	12.62	75	197431	57.288	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	197431	113.148	ug/l #	12

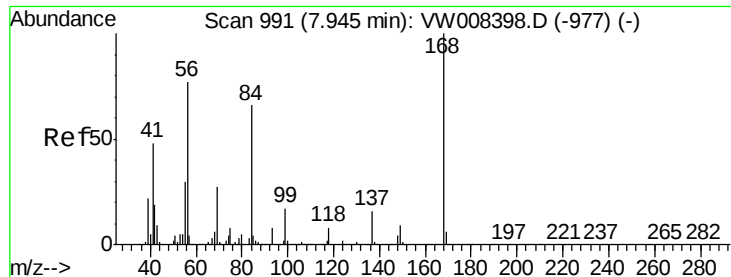
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008537.D

Acq: 06 Feb 2019 19:28

Instrument :

MSVOA_W

ClientSampled :

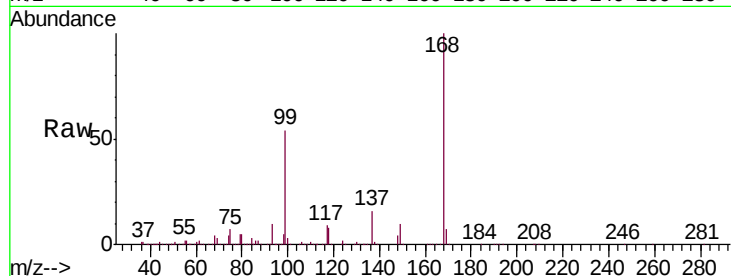
M-4

Tgt Ion: 168 Resp: 532674

Ion Ratio Lower Upper

168 100

99 54.1 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

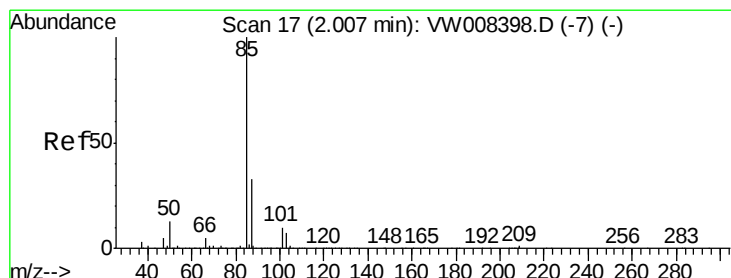
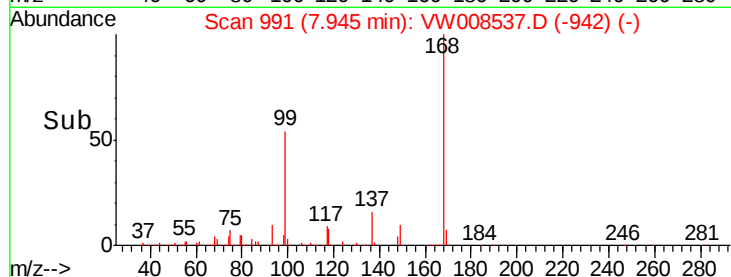
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.292 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008537.D

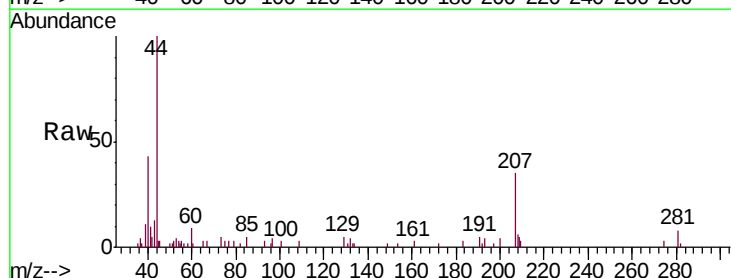
Acq: 06 Feb 2019 19:28

Tgt Ion: 85 Resp: 130

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

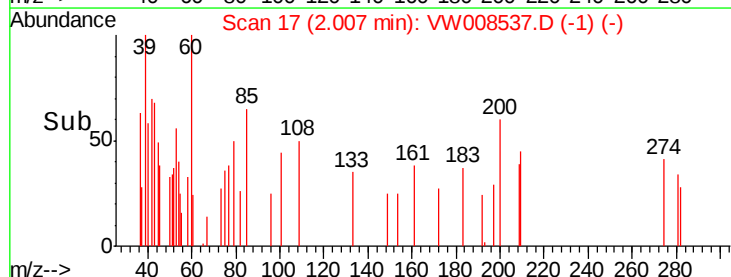
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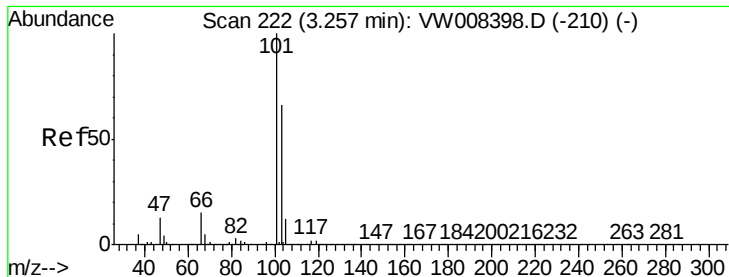
100

50

0

Time-->



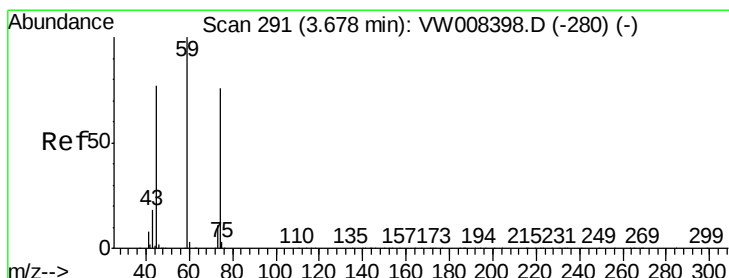
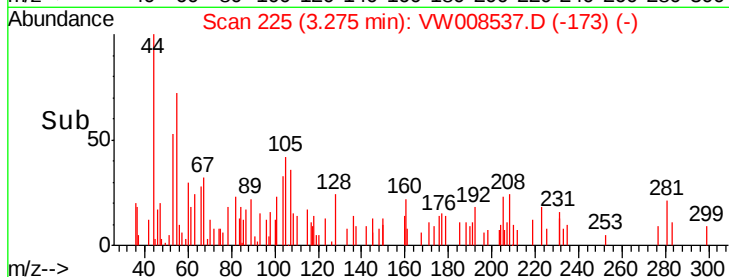
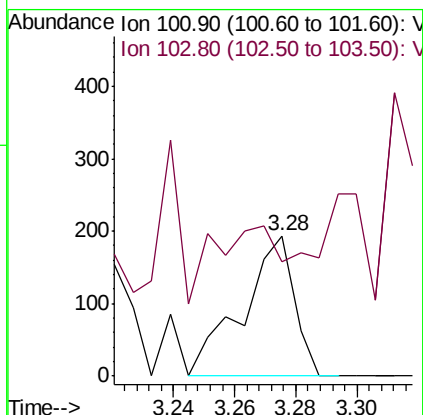
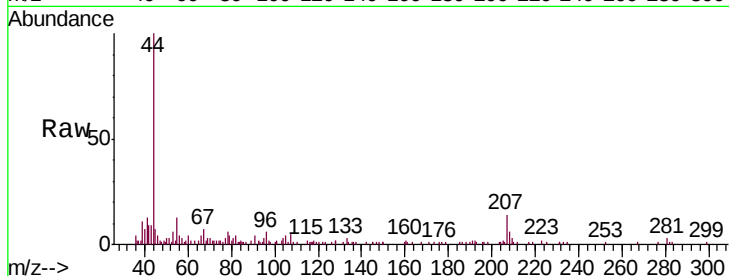


#7

Trichlorofluoromethane
Concen: 4.768 ug/l
RT: 3.28 min Scan# 225
Delta R.T. 0.02 min
Lab File: VW008537.D
Acq: 06 Feb 2019 19:28

Instrument :
MSVOA_W
ClientSampled :
M-4

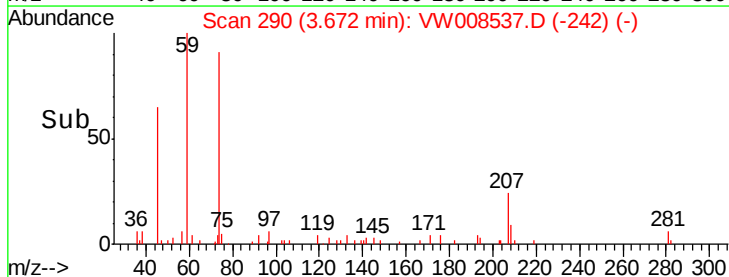
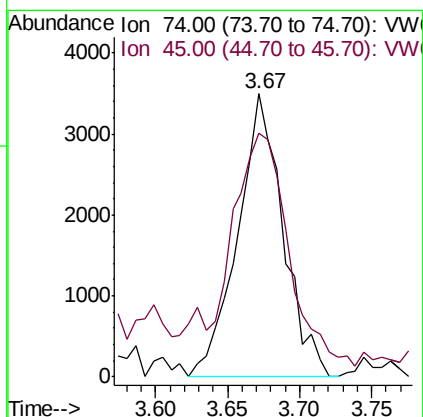
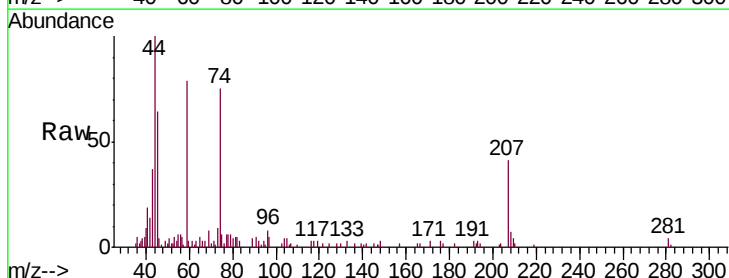
Tgt Ion: 101 Resp: 228
Ion Ratio Lower Upper
101 100
103 29.4 52.5 78.7#

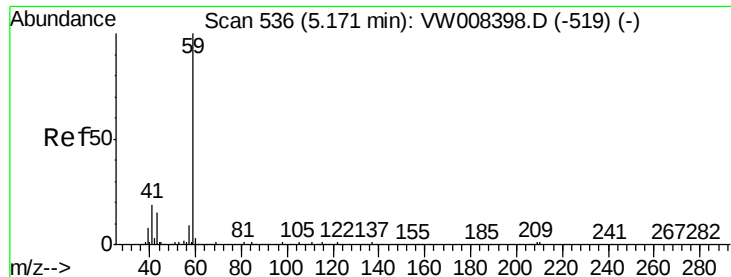


#8

Diethyl Ether
Concen: 2.869 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008537.D
Acq: 06 Feb 2019 19:28

Tgt Ion: 74 Resp: 7620
Ion Ratio Lower Upper
74 100
45 100.0 51.7 155.2





#11

Tert butyl alcohol

Concen: 5.490 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.00 min

Lab File: VW008537.D

Acq: 06 Feb 2019 19:28

Instrument :

MSVOA_W

ClientSampleId :

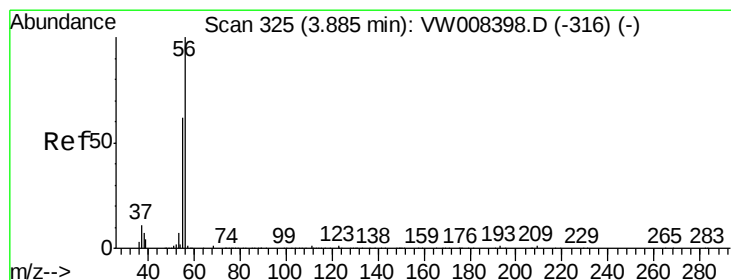
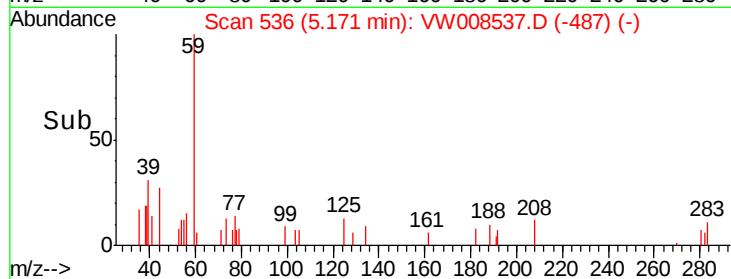
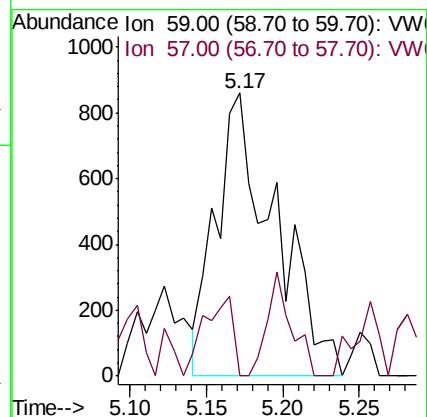
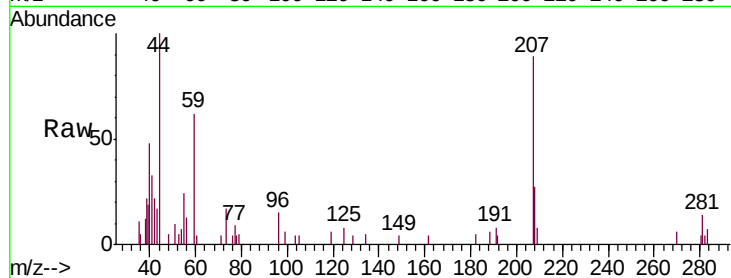
M-4

Tgt Ion: 59 Resp: 2313

Ion Ratio Lower Upper

59 100

57 13.8 9.3 13.9



#13

Acrolein

Concen: 4.638 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW008537.D

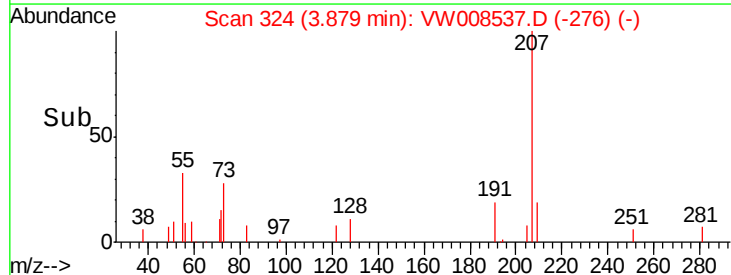
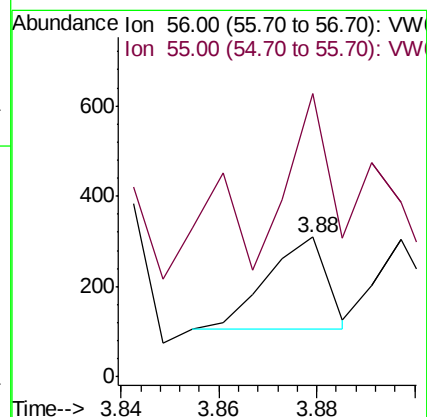
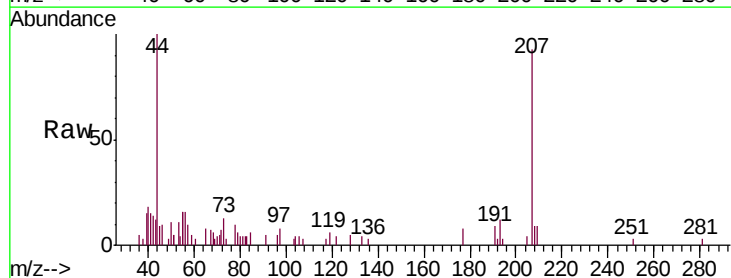
Acq: 06 Feb 2019 19:28

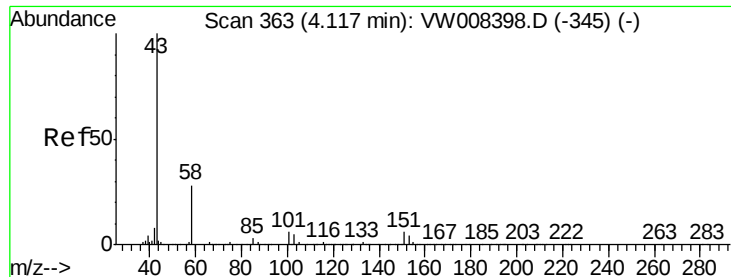
Tgt Ion: 56 Resp: 171

Ion Ratio Lower Upper

56 100

55 404.7 56.7 85.1#





#16

Acetone

Concen: 18.807 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008537.D

Acq: 06 Feb 2019 19:28

Instrument :

MSVOA_W

ClientSampleId :

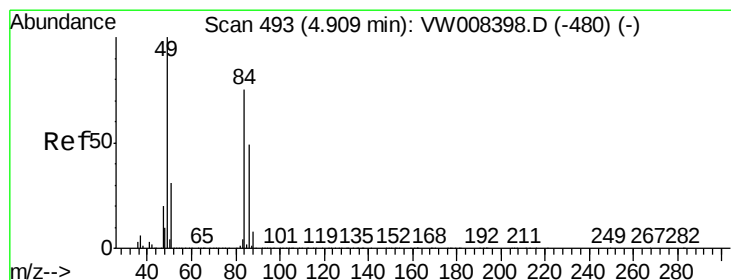
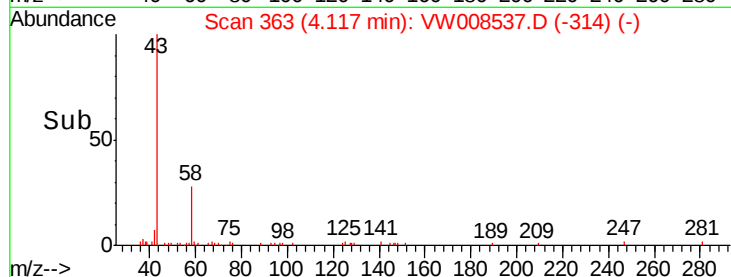
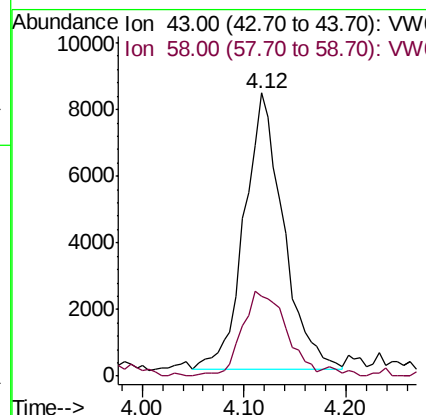
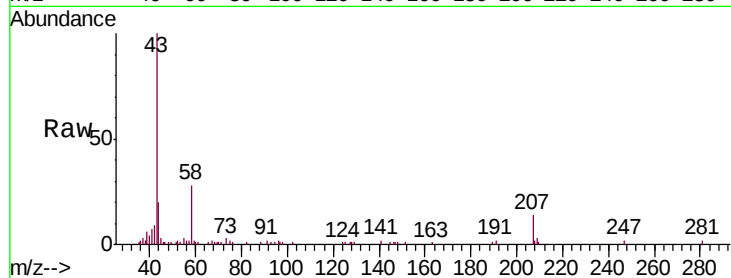
M-4

Tgt Ion: 43 Resp: 22101

Ion Ratio Lower Upper

43 100

58 29.1 22.6 34.0



#20

Methylene Chloride

Concen: 3.583 ug/l

RT: 4.90 min Scan# 491

Delta R.T. -0.01 min

Lab File: VW008537.D

Acq: 06 Feb 2019 19:28

Tgt Ion: 84 Resp: 19409

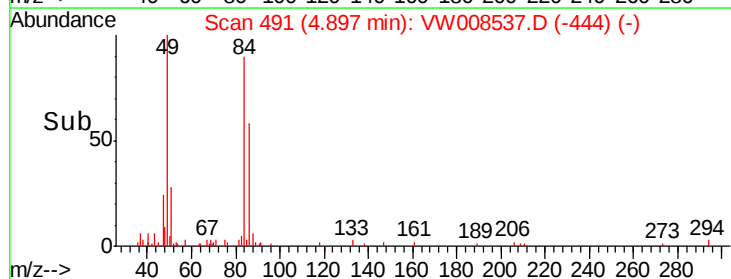
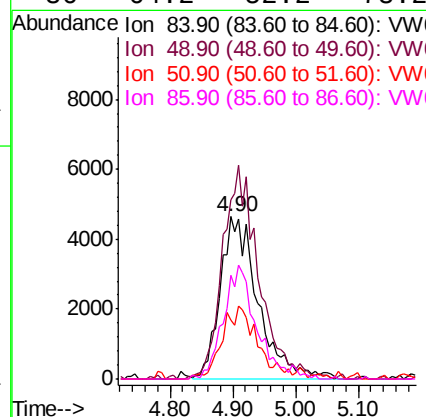
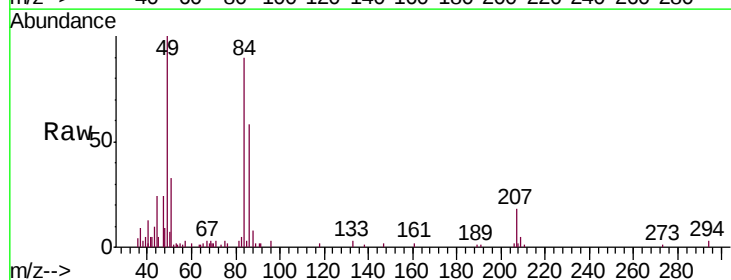
Ion Ratio Lower Upper

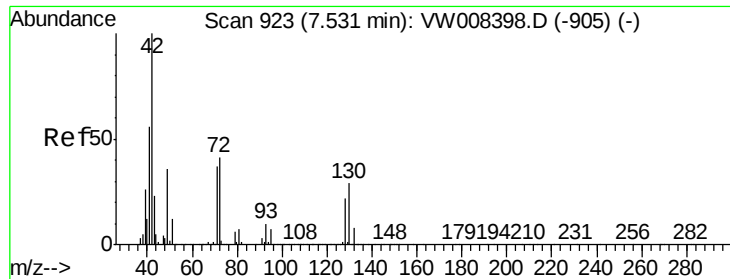
84 100

49 109.0 106.8 160.2

51 34.7 32.9 49.3

86 64.2 52.2 78.2

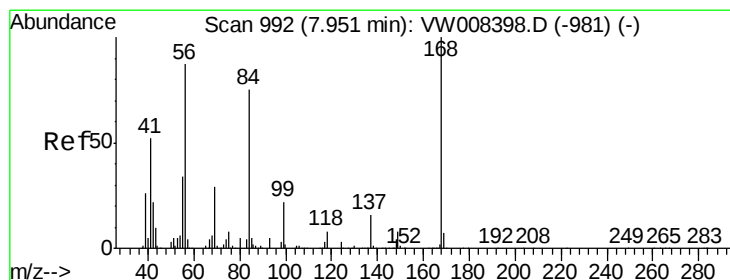
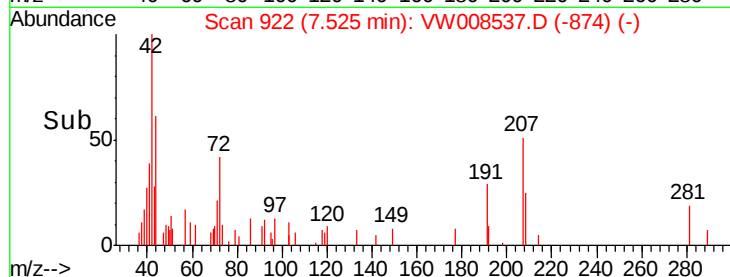
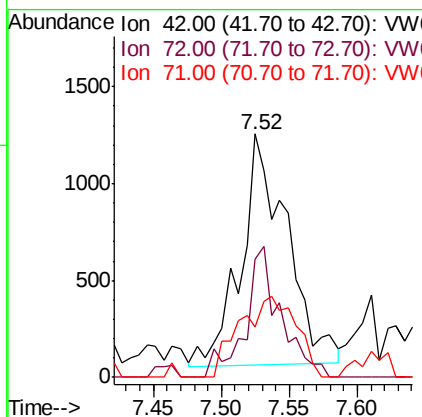
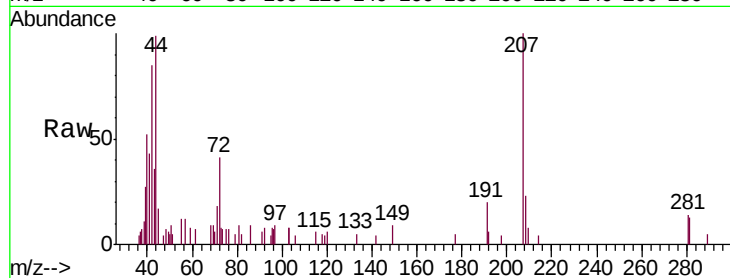




#29
Tetrahydrofuran
Concen: 2.724 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008537.D
Acq: 06 Feb 2019 19:28

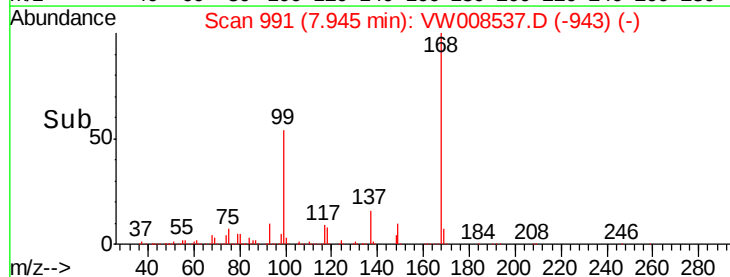
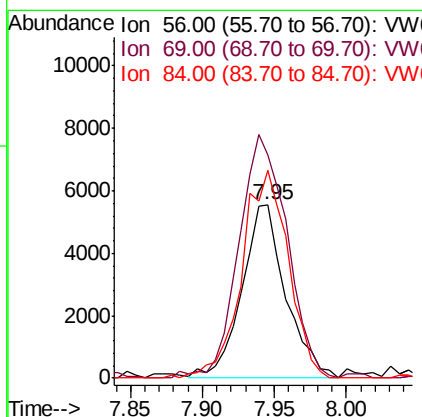
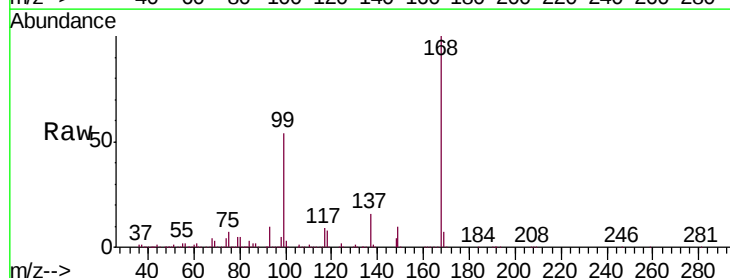
Instrument :
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ClientSampleId :
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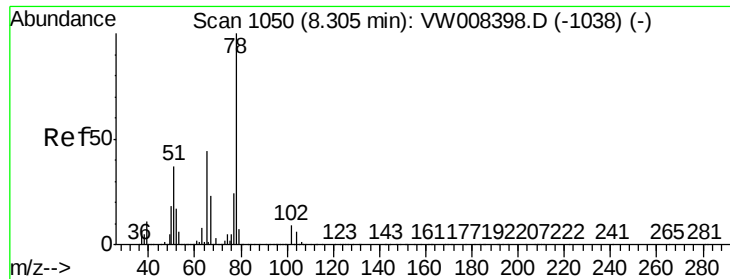
Tgt Ion: 42 Resp: 2818
Ion Ratio Lower Upper
42 100
72 43.2 31.9 47.9
71 43.1 29.9 44.9



#31
Cyclohexane
Concen: 1.147 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008537.D
Acq: 06 Feb 2019 19:28

Tgt Ion: 56 Resp: 11778
Ion Ratio Lower Upper
56 100
69 129.5 26.4 39.6#
84 121.1 69.1 103.7#

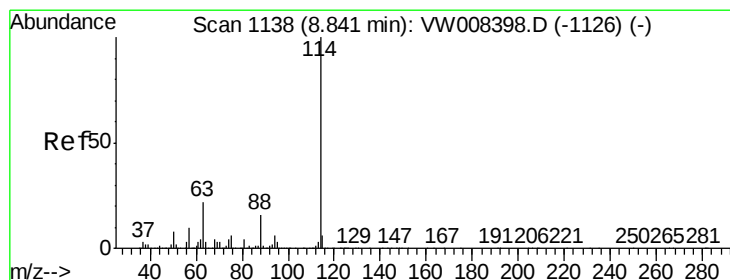
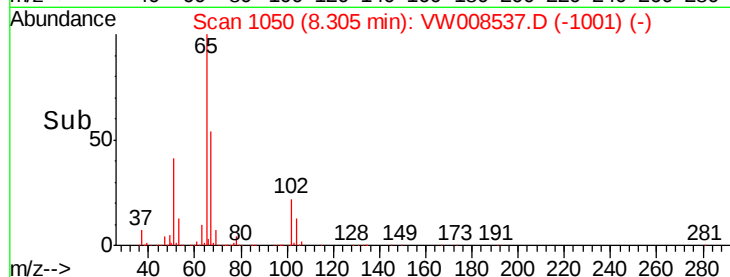
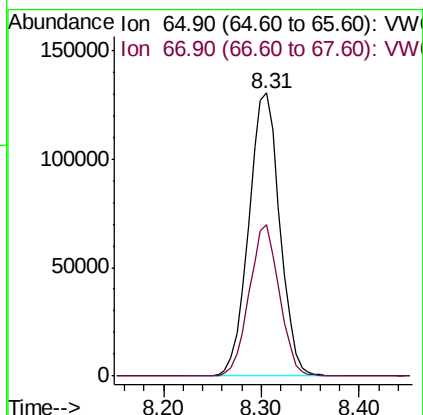
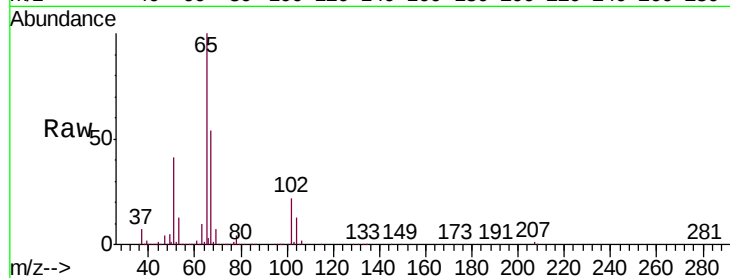




#33
 1,2-Dichloroethane-d4
 Concen: 54.738 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008537.D
 Acq: 06 Feb 2019 19:28

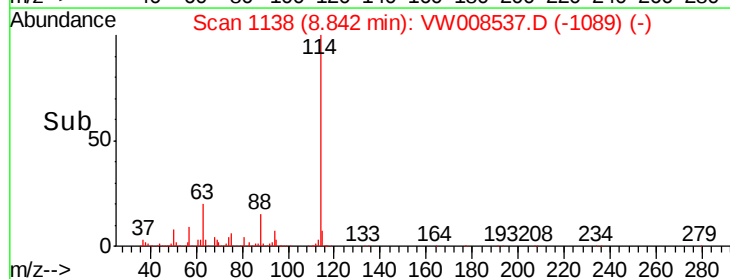
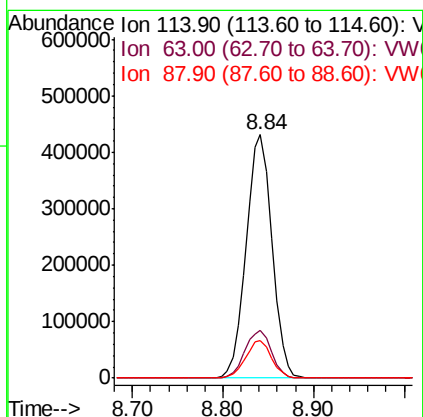
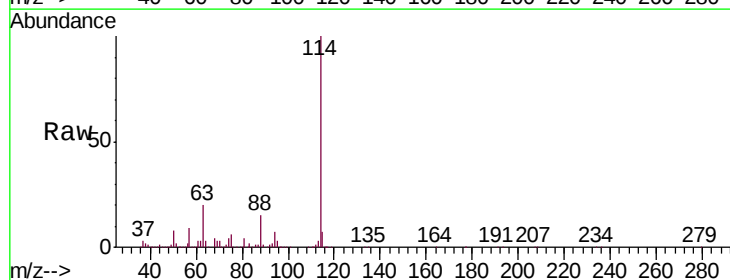
Instrument :
 MSVOA_W
 ClientSampleId :
 M-4

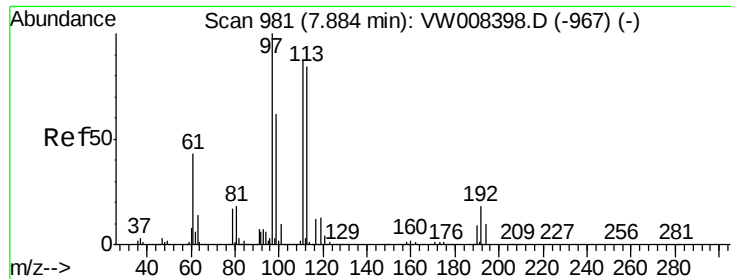
Tgt Ion: 65 Resp: 286446
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008537.D
 Acq: 06 Feb 2019 19:28

Tgt Ion: 114 Resp: 849115
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 43.6
 88 15.2 0.0 31.8

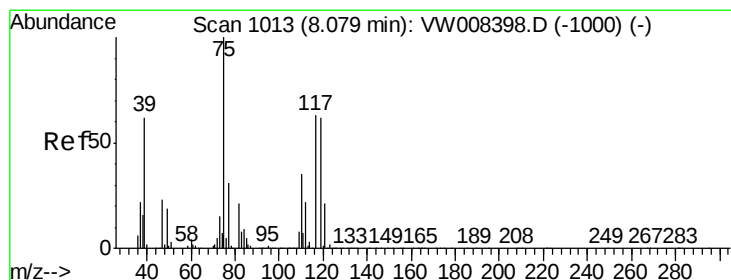
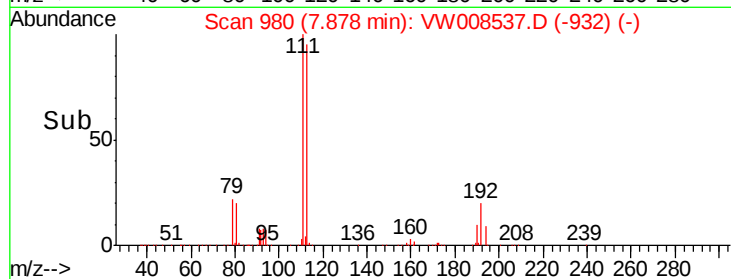
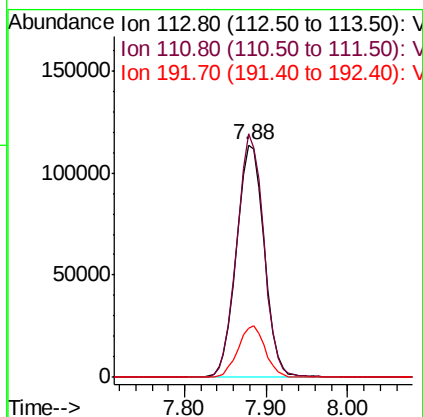
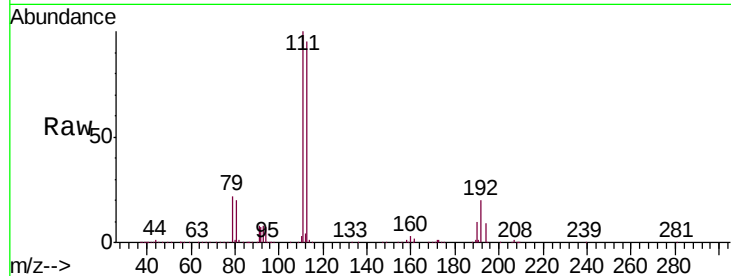




#35
 Dibromofluoromethane
 Concen: 53.909 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008537.D
 Acq: 06 Feb 2019 19:28

Instrument :
 MSVOA_W
 ClientSampleId :
 M-4

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.0	121.4
192	21.6	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 4.700 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008537.D
 Acq: 06 Feb 2019 19:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.3	52.0#
77	0.7	24.7	37.1#

