

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022719\
 Data File : VW008853.D
 Acq On : 27 Feb 2019 14:35
 Operator : SY/VA
 Sample : K1627-06RE
 Misc : 6.09G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 28 07:02:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	362828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	558219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	462084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	170911	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	196069	57.62	ug/l	0.00
Spiked Amount						
			Recovery	=	115.24%	
35) Dibromofluoromethane	7.88	113	169034	50.43	ug/l	0.00
Spiked Amount						
			Recovery	=	100.86%	
50) Toluene-d8	10.32	98	655281	50.65	ug/l	0.00
Spiked Amount						
			Recovery	=	101.30%	
62) 4-Bromofluorobenzene	12.62	95	191729	37.85	ug/l	0.00
Spiked Amount						
			Recovery	=	75.70%	

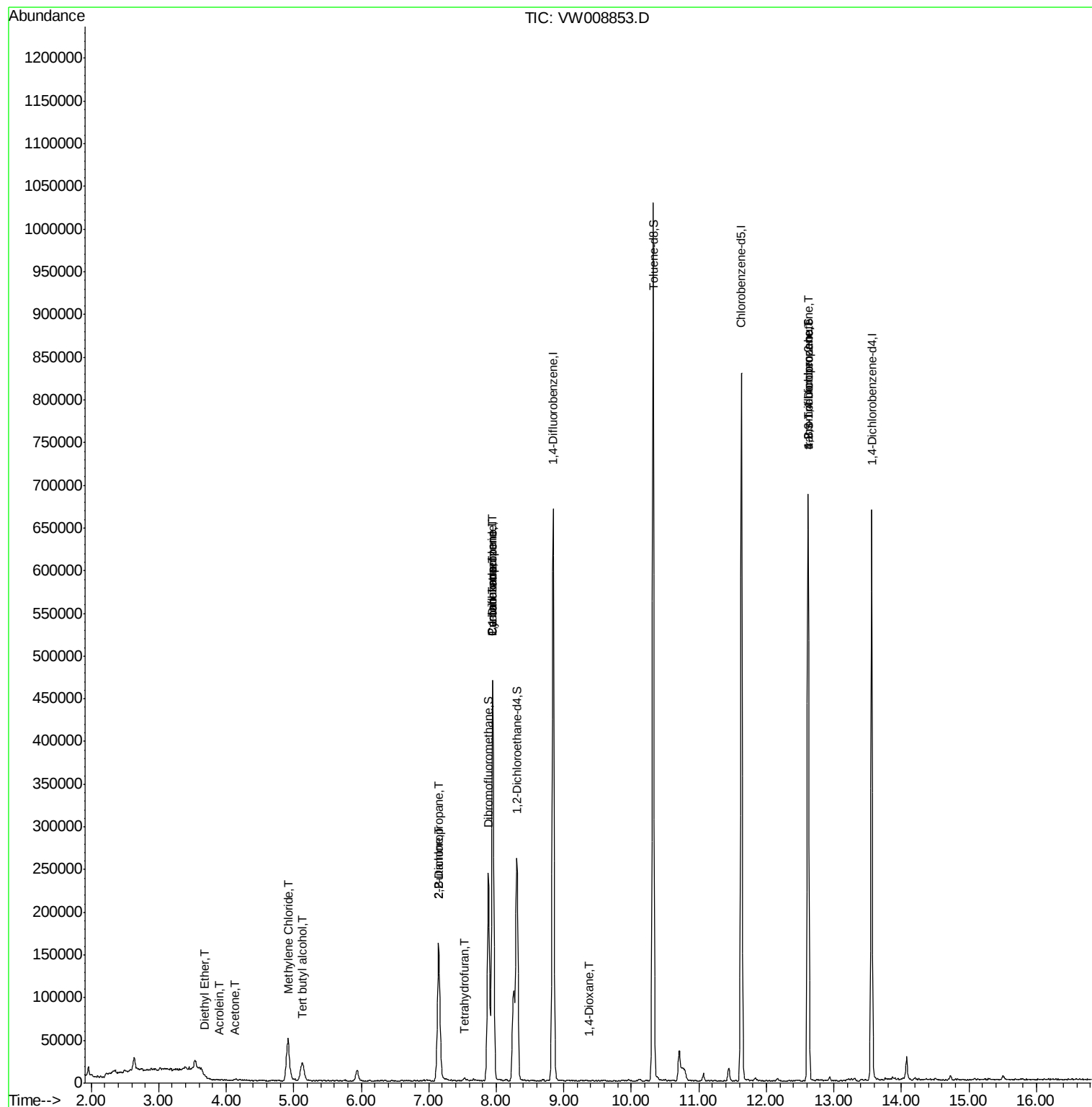
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2370	1.264	ug/l	91
11) Tert butyl alcohol	5.13	59	19631	64.798	ug/l #	74
13) Acrolein	3.90	56	63	19.961	ug/l #	1
16) Acetone	4.12	43	1882	2.386	ug/l #	79
20) Methylene Chloride	4.92	84	35941	4.612	ug/l	84
25) 2-Butanone	7.15	43	9086	8.239	ug/l #	69
26) 2,2-Dichloropropane	7.15	77	10990	1.910	ug/l #	56
29) Tetrahydrofuran	7.53	42	2728	3.882	ug/l	94
31) Cyclohexane	7.95	56	8080	1.259	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	26667	4.908	ug/l #	51
38) Carbon Tetrachloride	7.95	117	34799	6.072	ug/l #	16
49) 1,4-Dioxane	9.38	88	40	1.225	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	101957	72.254	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	101957	175.654	ug/l #	6

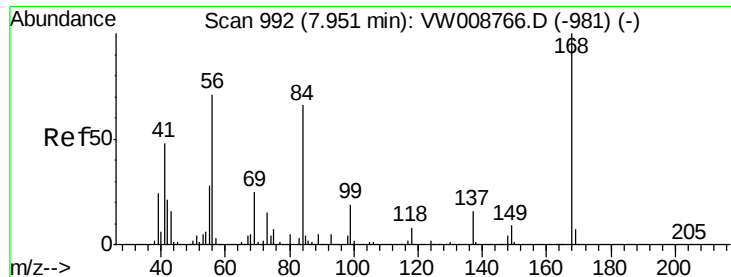
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW008853.D

Acq: 27 Feb 2019 14:35

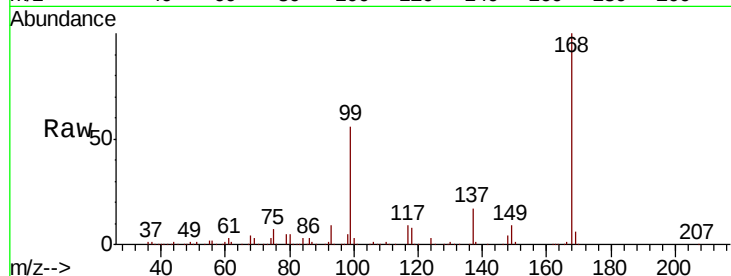
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 362828

Ion Ratio Lower Upper

168 100

99 55.6 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

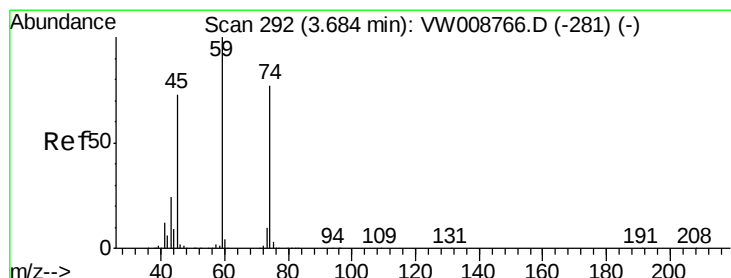
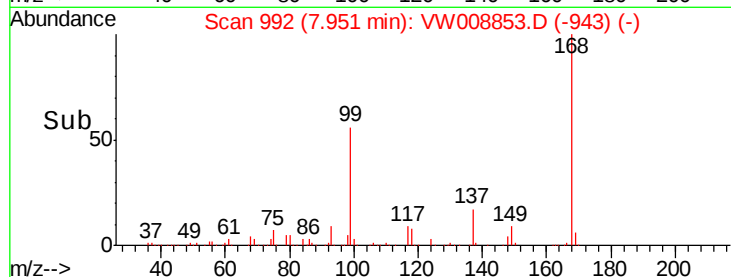
100000

50000

0

Time-->

7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.264 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.00 min

Lab File: VW008853.D

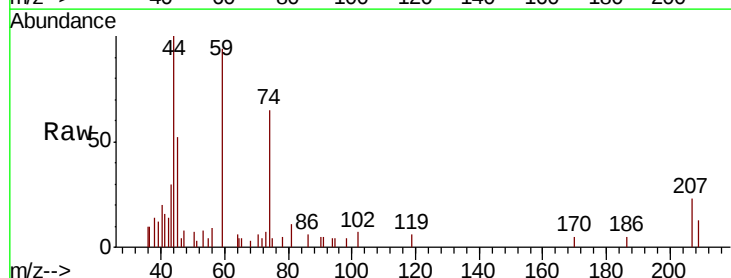
Acq: 27 Feb 2019 14:35

Tgt Ion: 74 Resp: 2370

Ion Ratio Lower Upper

74 100

45 109.7 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1200

1000

800

600

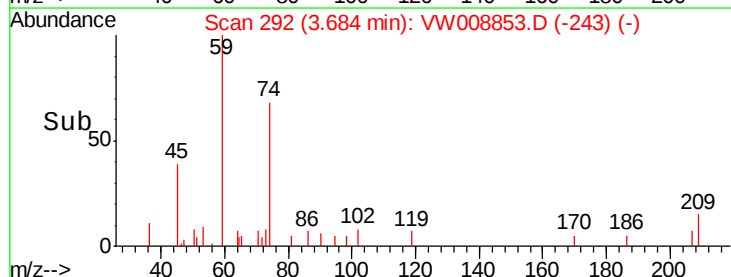
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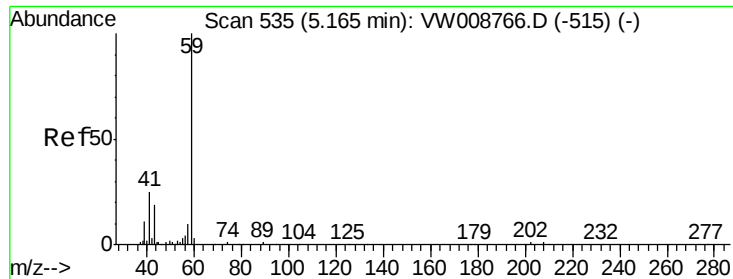
200

0

Time-->

3.60 3.65 3.70 3.75



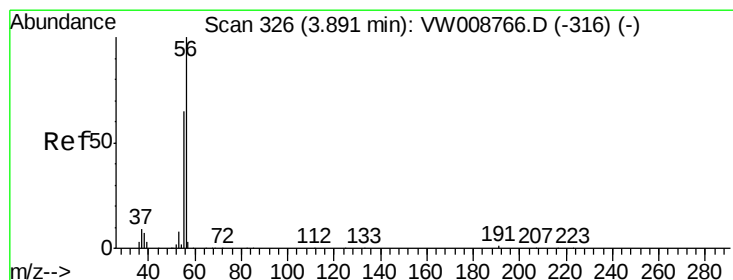
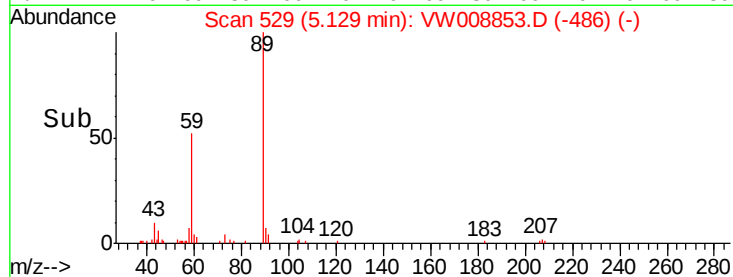
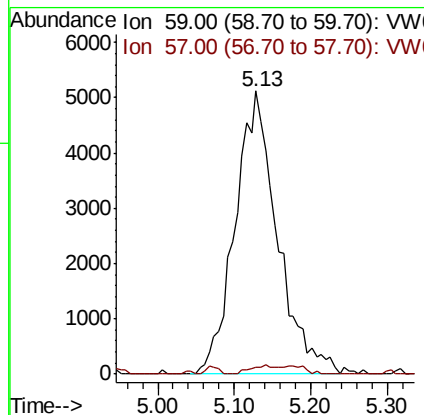
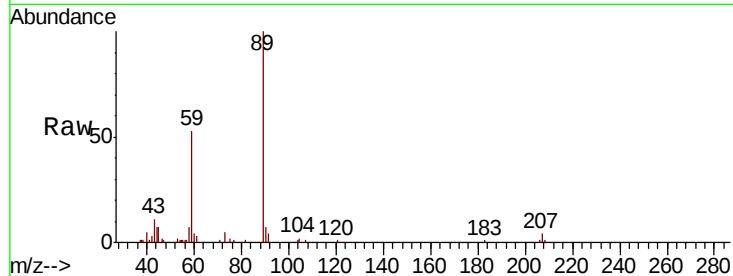


#11

Tert butyl alcohol
 Concen: 64.798 ug/l
 RT: 5.13 min Scan# 529
 Delta R.T. -0.04 min
 Lab File: VW008853.D
 Acq: 27 Feb 2019 14:35

Instrument :
 MSVOA_W
 ClientSampleId :

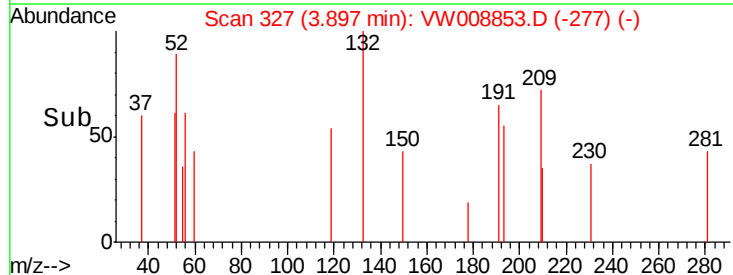
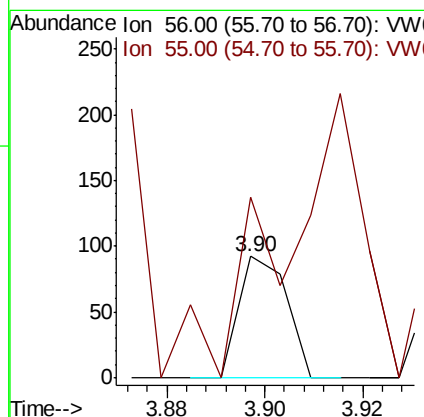
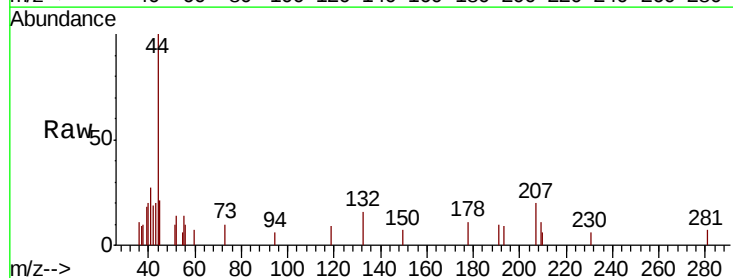
Tot Ion: 59 Resp: 19631
 Ion Ratio Lower Upper
 59 100
 57 1.7 9.3 13.9#

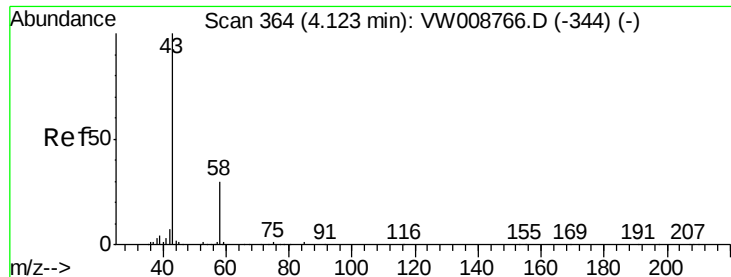


#13

Acrolein
 Concen: 19.961 ug/l
 RT: 3.90 min Scan# 327
 Delta R.T. 0.01 min
 Lab File: VW008853.D
 Acq: 27 Feb 2019 14:35

Tgt Ion: 56 Resp: 63
 Ion Ratio Lower Upper
 56 100
 55 373.0 56.9 85.3#

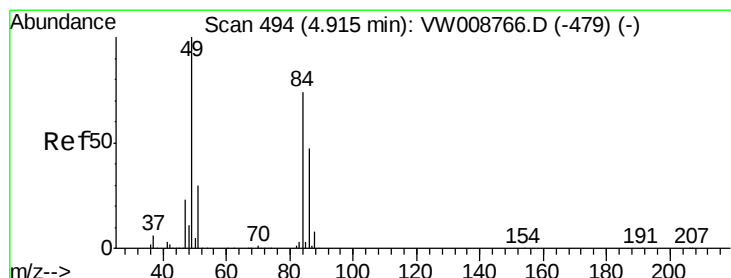
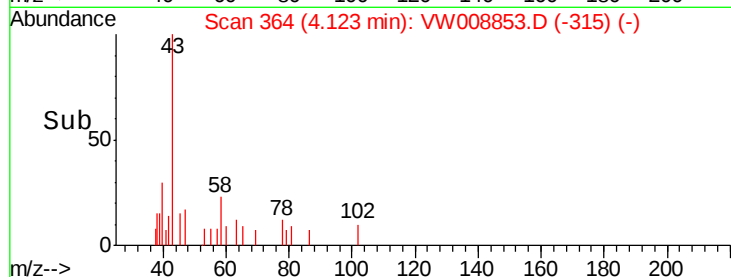
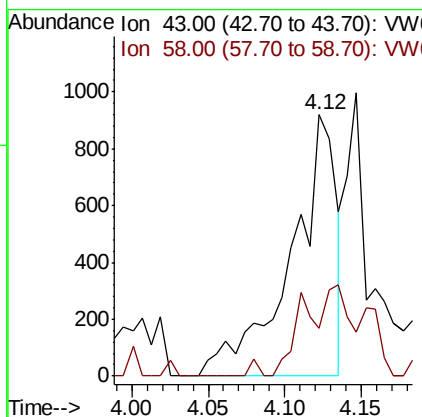
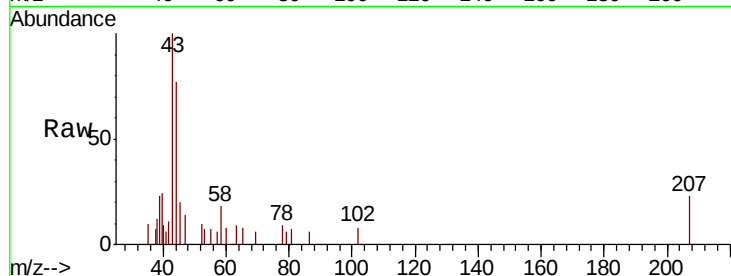




#16
Acetone
Concen: 2.386 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.00 min
Lab File: VW008853.D
Acq: 27 Feb 2019 14:35

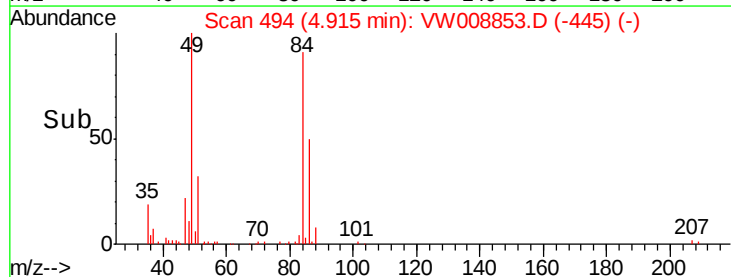
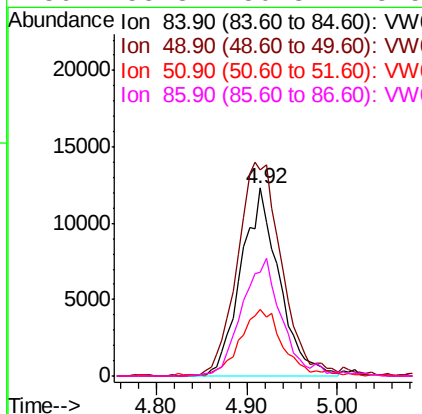
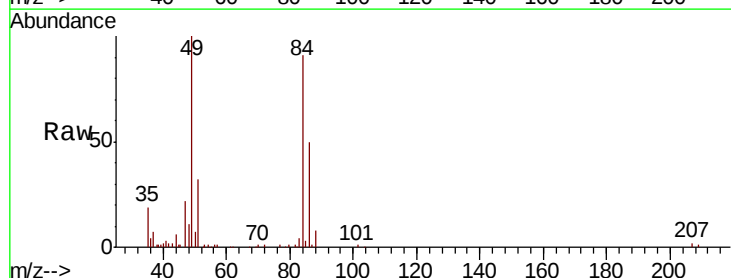
Instrument :
MSVOA_W
ClientSampled :

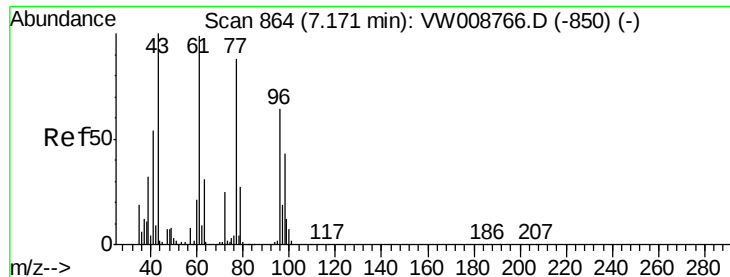
Tot Ion: 43 Resp: 1882
Ion Ratio Lower Upper
43 100
58 18.2 23.8 35.6#



#20
Methylene Chloride
Concen: 4.612 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008853.D
Acq: 27 Feb 2019 14:35

Tgt Ion: 84 Resp: 35941
Ion Ratio Lower Upper
84 100
49 109.5 108.2 162.2
51 35.3 32.7 49.1
86 55.3 50.3 75.5





#25

2-Butanone

Concen: 8.239 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW008853.D

Acq: 27 Feb 2019 14:35

Instrument :

MSVOA_W

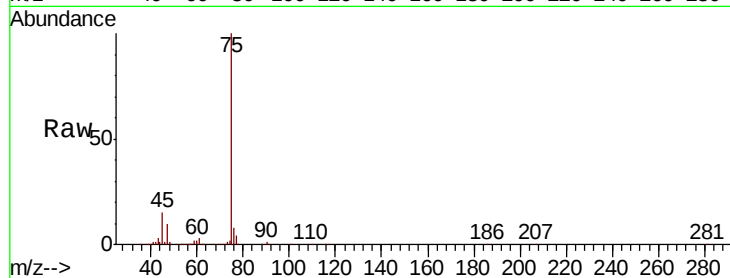
ClientSampleId :

Tot Ion: 43 Resp: 9086

Ion Ratio Lower Upper

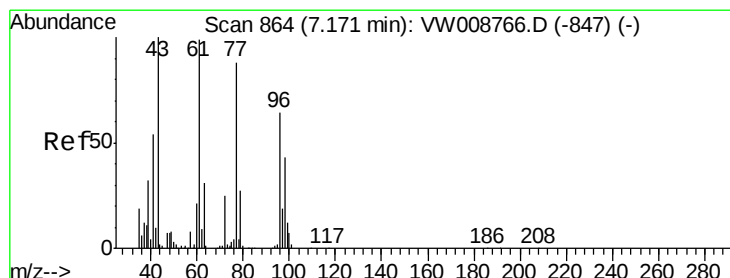
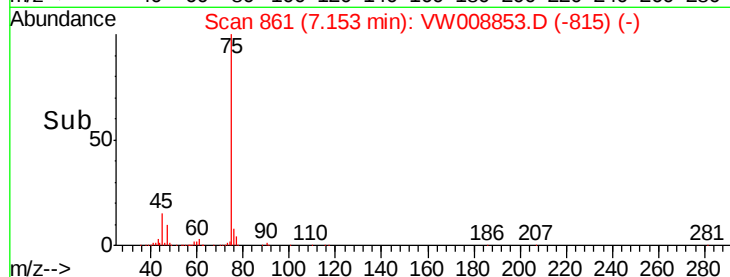
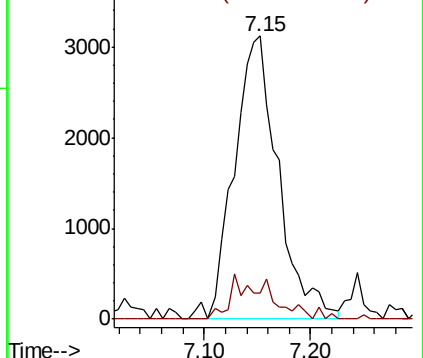
43 100

72 9.2 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.910 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008853.D

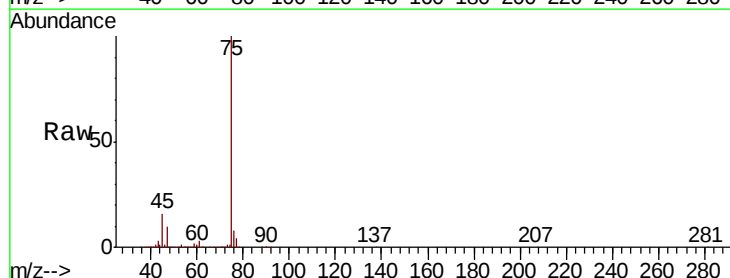
Acq: 27 Feb 2019 14:35

Tgt Ion: 77 Resp: 10990

Ion Ratio Lower Upper

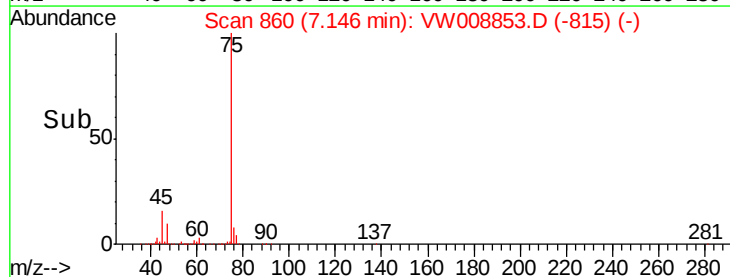
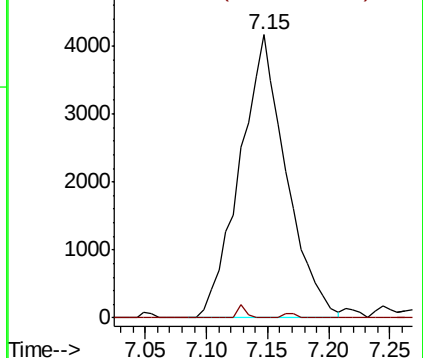
77 100

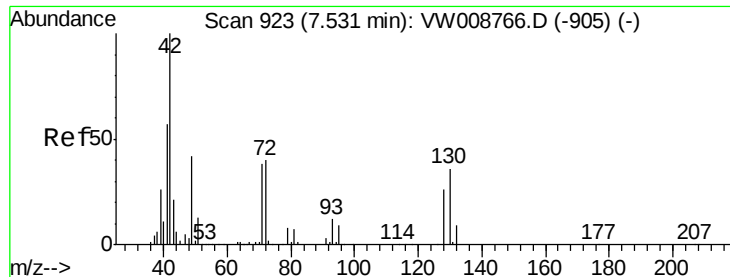
97 0.8 11.0 33.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

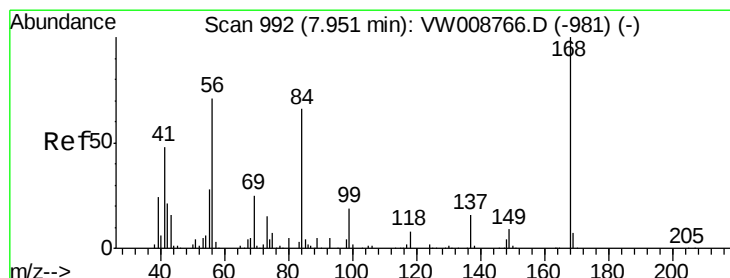
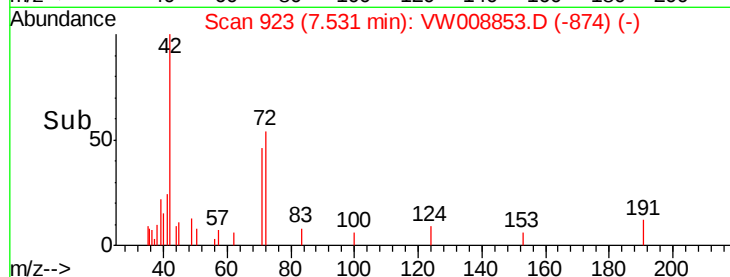
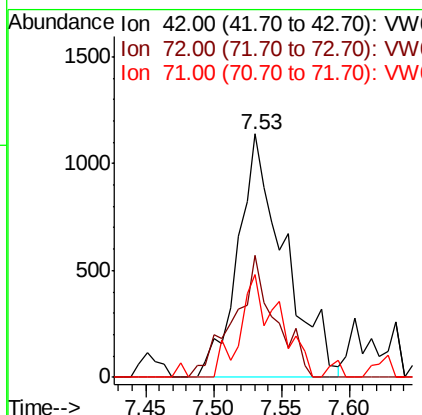
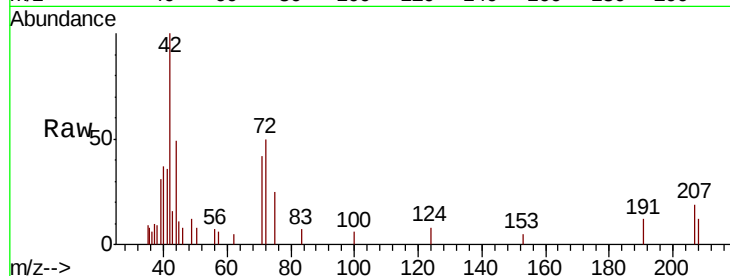




#29
Tetrahydrofuran
Concen: 3.882 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW008853.D
Acq: 27 Feb 2019 14:35

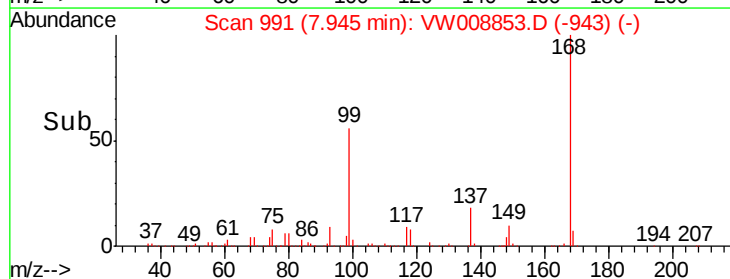
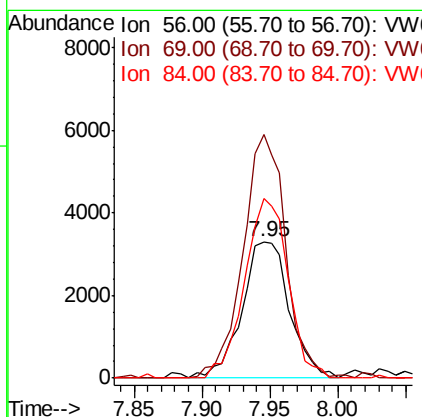
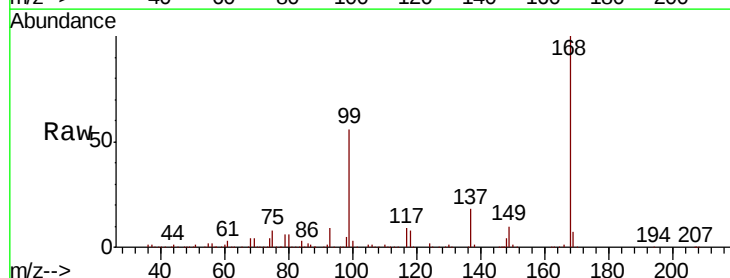
Instrument :
MSVOA_W
ClientSampleId :

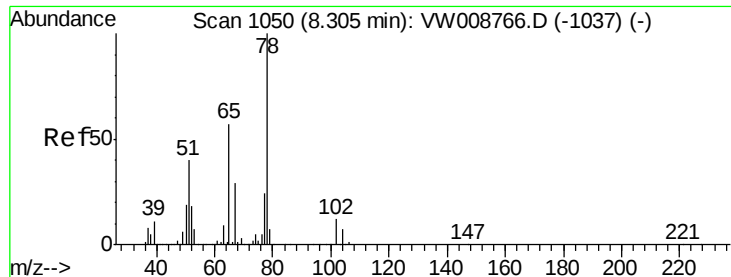
Tot Ion: 42 Resp: 2728
Ion Ratio Lower Upper
42 100
72 44.0 32.7 49.1
71 35.4 31.3 46.9



#31
Cyclohexane
Concen: 1.259 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008853.D
Acq: 27 Feb 2019 14:35

Tgt Ion: 56 Resp: 8080
Ion Ratio Lower Upper
56 100
69 178.2 28.2 42.4#
84 137.9 74.1 111.1#

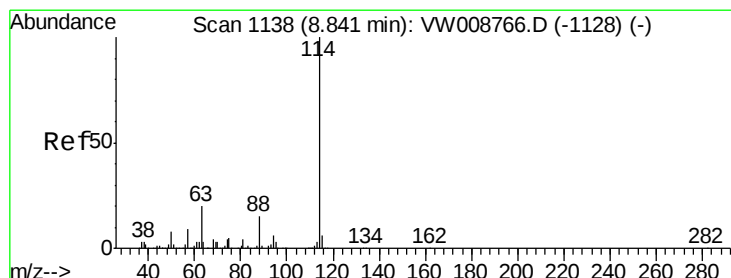
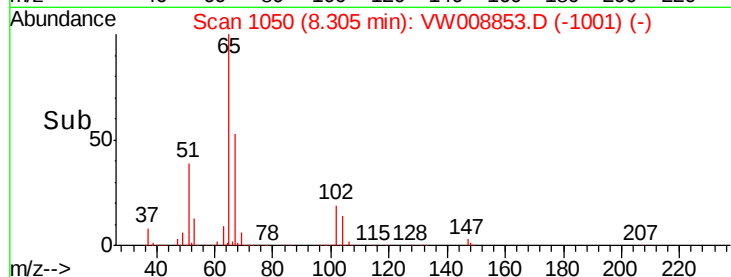
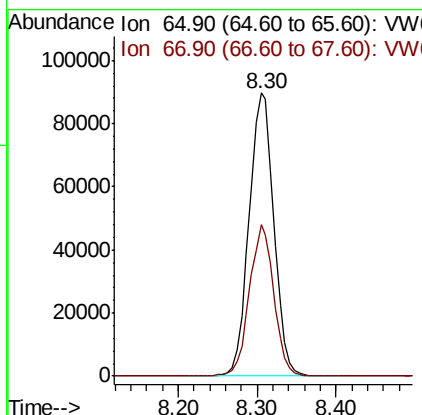
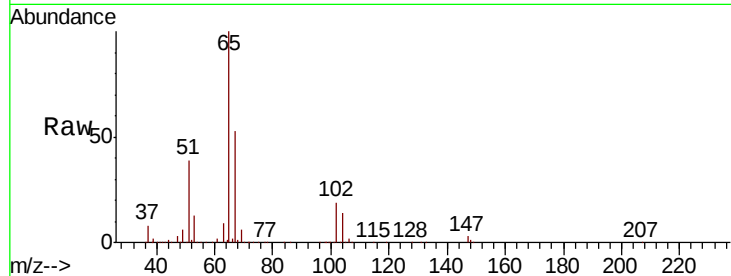




#33
 1,2-Dichloroethane-d4
 Concen: 57.616 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008853.D
 Acq: 27 Feb 2019 14:35

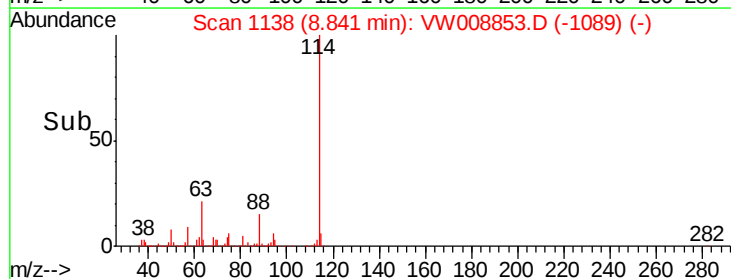
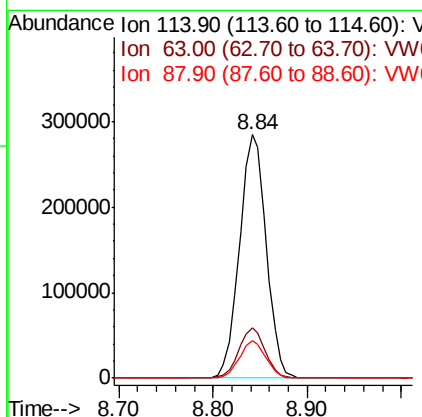
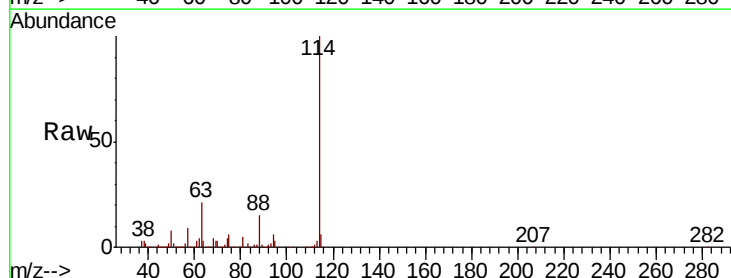
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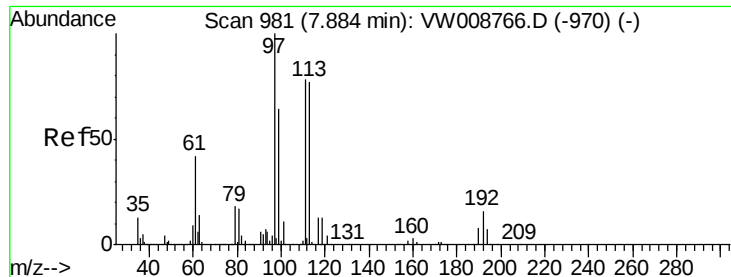
Tot Ion: 65 Resp: 196069
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008853.D
 Acq: 27 Feb 2019 14:35

Tgt Ion: 114 Resp: 558219
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.8
 88 15.2 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.434 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008853.D

Acq: 27 Feb 2019 14:35

Instrument :
MSVOA_W
ClientSampleId :

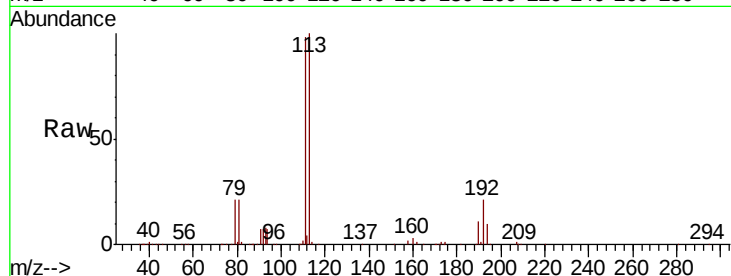
Tot Ion:113 Resp: 169034

Ion Ratio Lower Upper

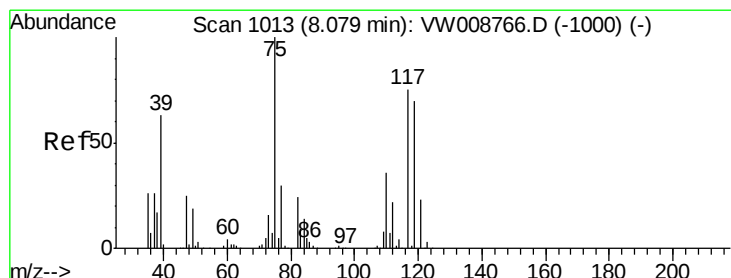
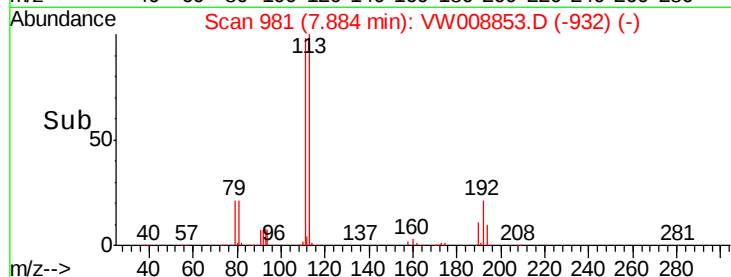
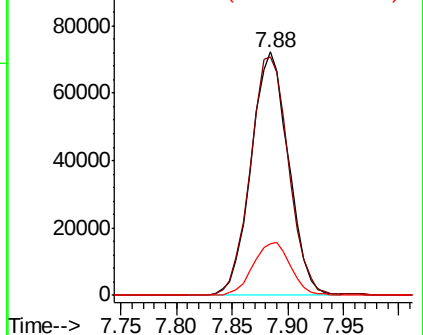
113 100

111 100.8 81.9 122.9

192 21.9 17.1 25.7



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: 4.908 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008853.D

Acq: 27 Feb 2019 14:35

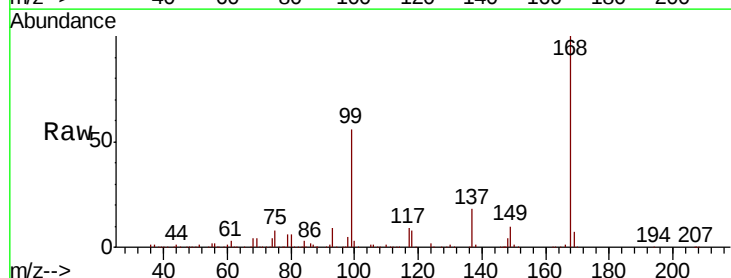
Tgt Ion: 75 Resp: 26667

Ion Ratio Lower Upper

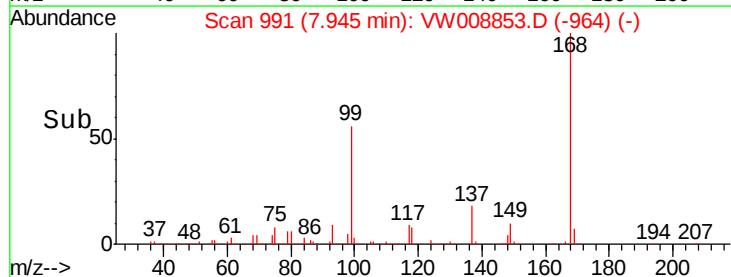
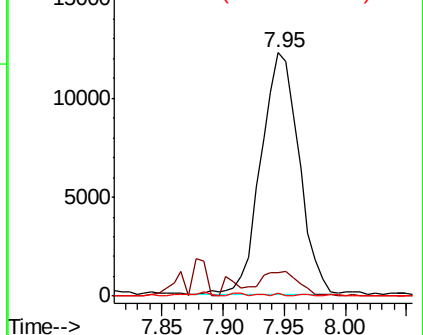
75 100

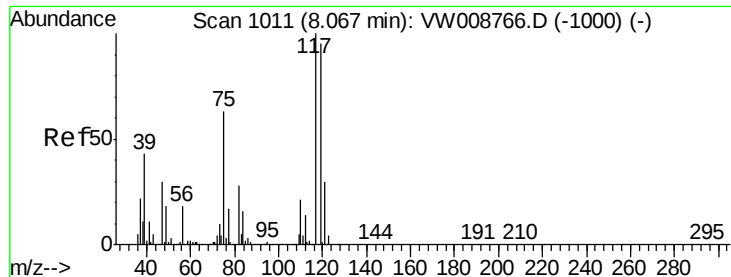
110 9.5 17.5 52.6#

77 0.2 24.5 36.7#



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

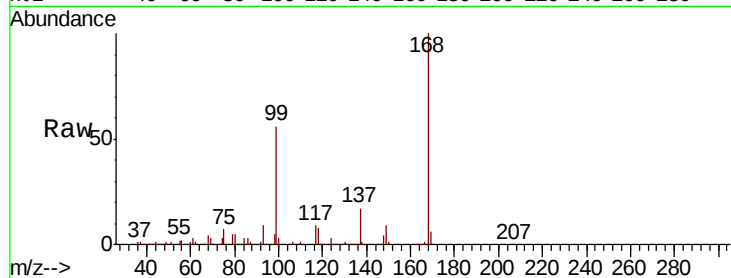




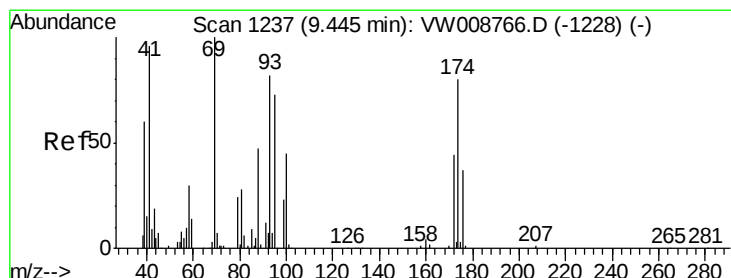
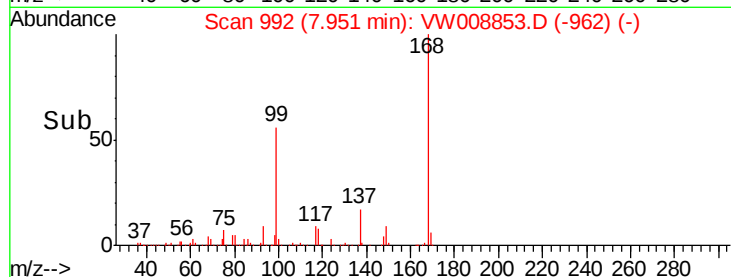
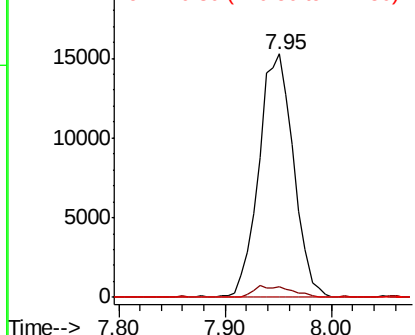
#38
Carbon Tetrachloride
Concen: 6.072 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW008853.D
Acq: 27 Feb 2019 14:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 34799
Ion Ratio Lower Upper
117 100
119 4.4 76.1 114.1#
121 0.0 24.0 36.0#

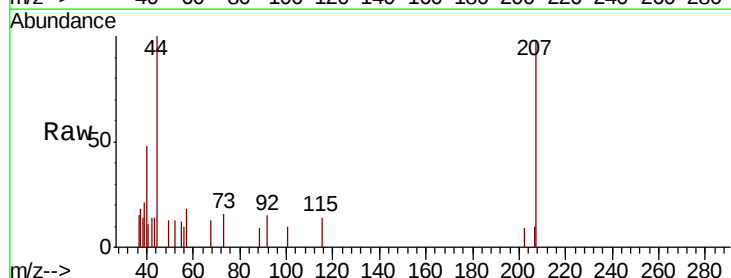


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

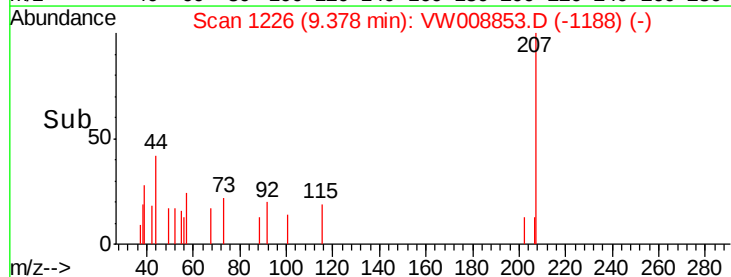
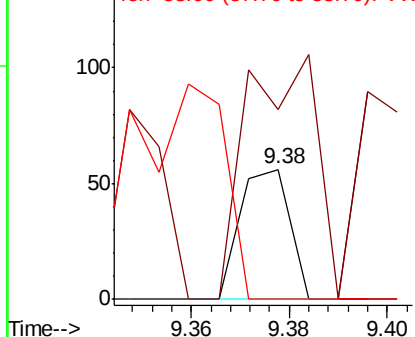


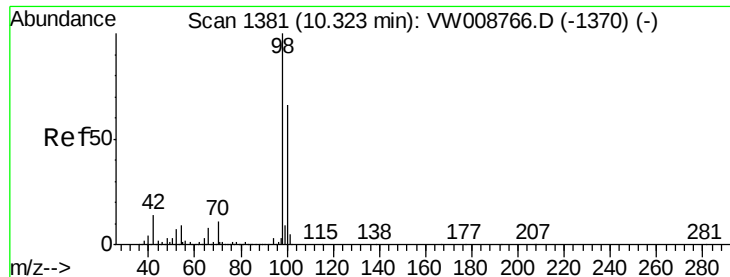
#49
1,4-Dioxane
Concen: 1.225 ug/l
RT: 9.38 min Scan# 1226
Delta R.T. -0.07 min
Lab File: VW008853.D
Acq: 27 Feb 2019 14:35

Tgt Ion: 88 Resp: 40
Ion Ratio Lower Upper
88 100
43 262.5 29.0 43.4#
58 0.0 52.0 78.0#



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: 50.647 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008853.D

Acq: 27 Feb 2019 14:35

Instrument :

MSVOA_W

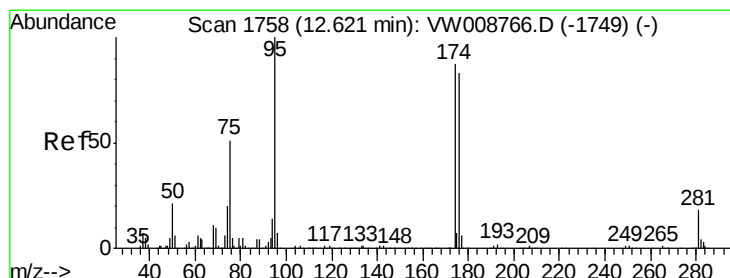
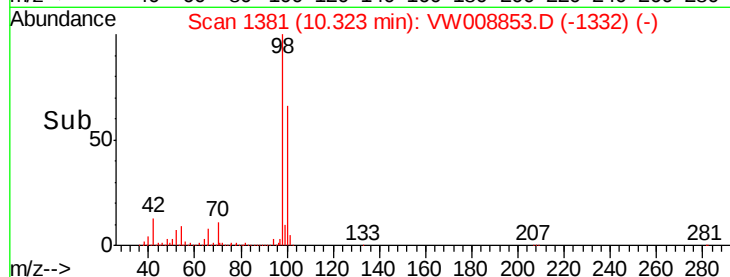
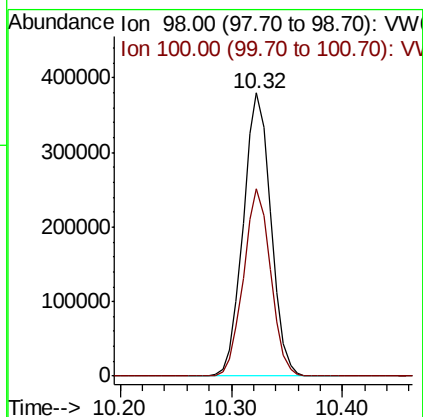
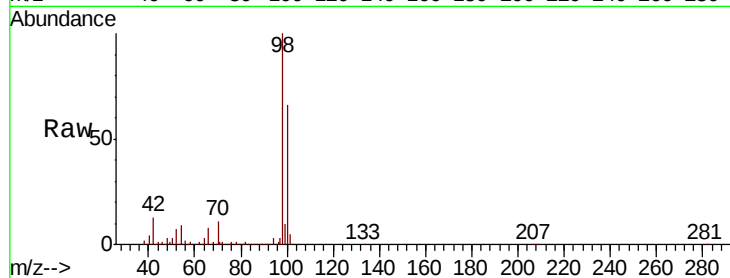
ClientSampleId :

Tot Ion: 98 Resp: 655281

Ion Ratio Lower Upper

98 100

100 64.9 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 37.847 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008853.D

Acq: 27 Feb 2019 14:35

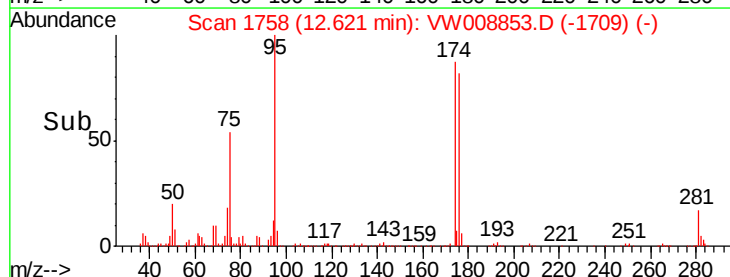
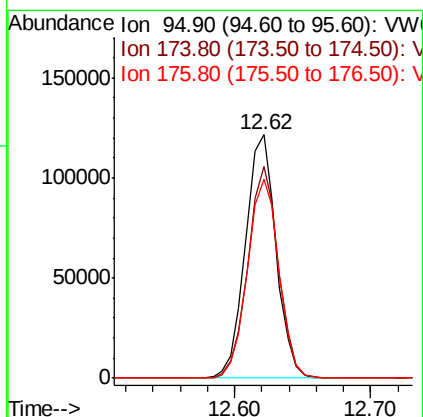
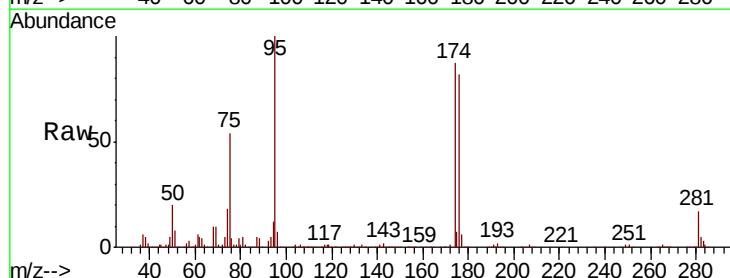
Tgt Ion: 95 Resp: 191729

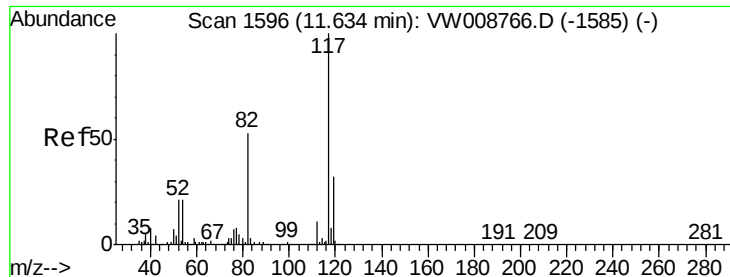
Ion Ratio Lower Upper

95 100

174 87.0 0.0 169.2

176 83.9 0.0 163.6

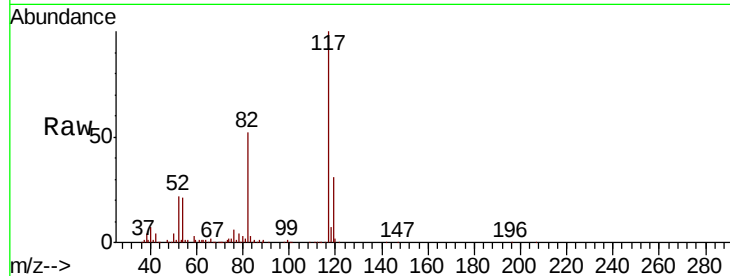




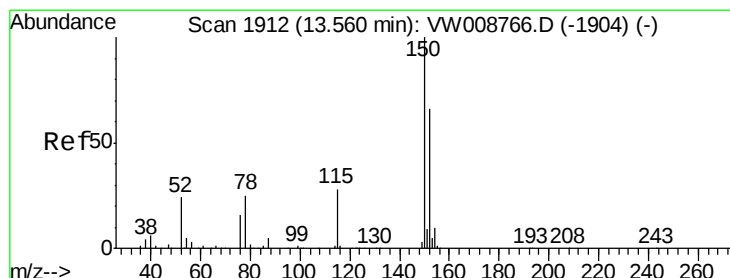
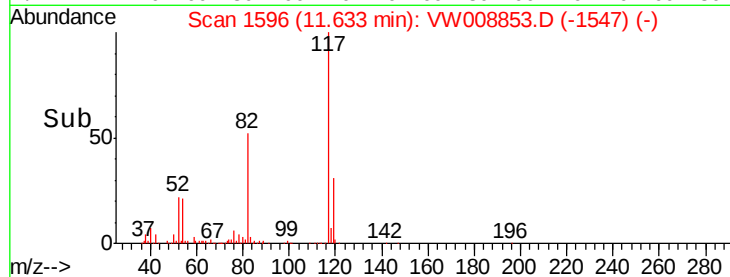
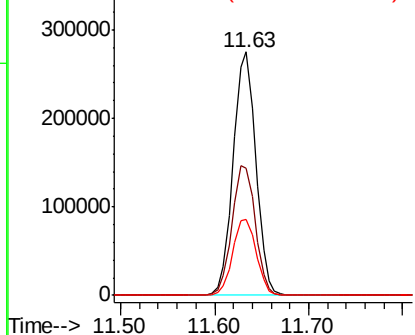
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008853.D
Acq: 27 Feb 2019 14:35

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.2	63.4
119	31.2	25.9	38.9

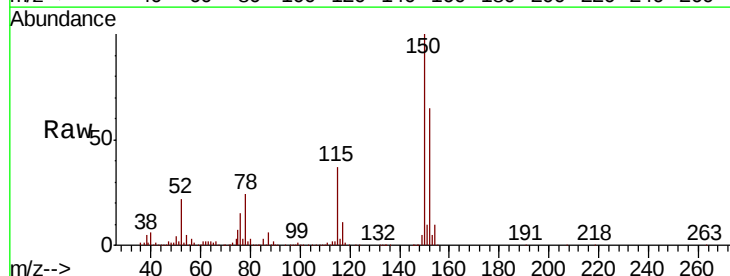


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

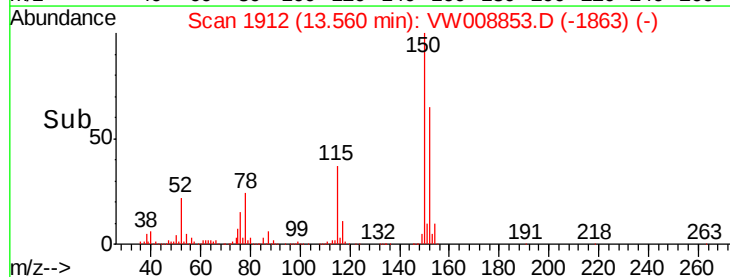
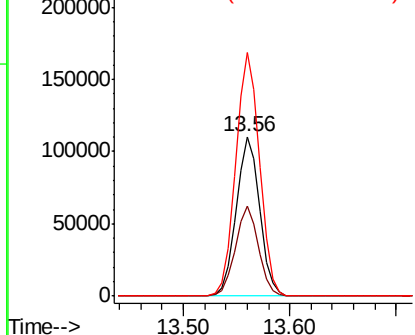


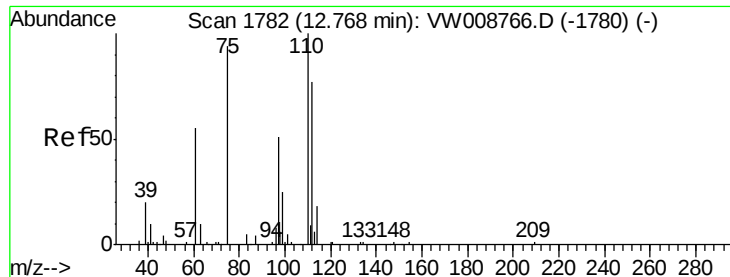
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008853.D
Acq: 27 Feb 2019 14:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.6	85.8
150	154.9	0.0	348.0



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





#76

1,2,3-Trichloropropane

Concen: 72.254 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008853.D

Acq: 27 Feb 2019 14:35

Instrument :

MSVOA_W

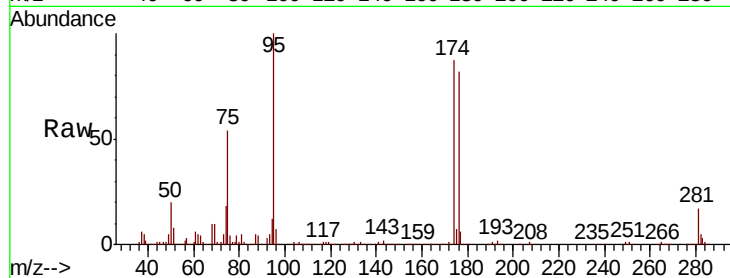
ClientSampleId :

Tot Ion: 75 Resp: 101957

Ion Ratio Lower Upper

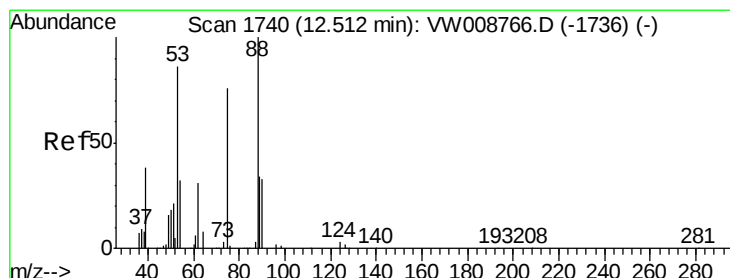
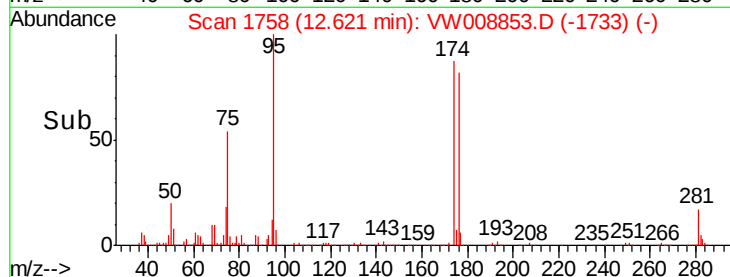
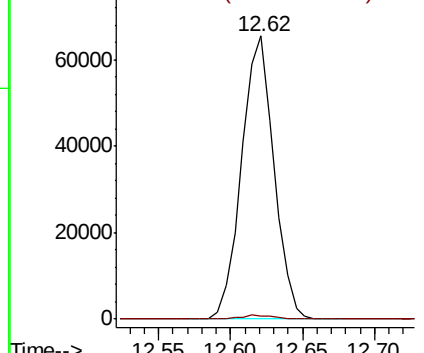
75 100

77 1.7 0.0 0.0#



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: 175.654 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008853.D

Acq: 27 Feb 2019 14:35

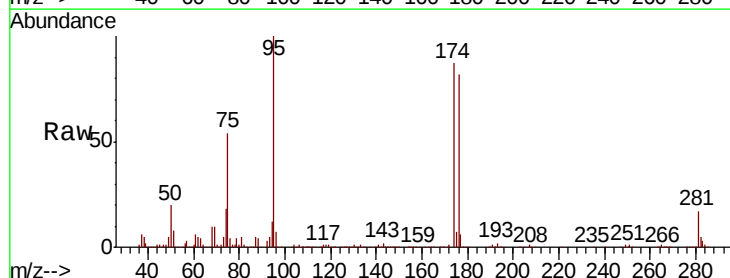
Tgt Ion: 75 Resp: 101957

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

89 0.1 39.5 59.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

