

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011419\
 Data File : VW008268.D
 Acq On : 15 Jan 2019 02:44
 Operator : SY/VA
 Sample : K1139-09RE
 Misc : 5.89G/5ML/MSVOA_W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S-5RE

Quant Time: Jan 15 11:01:23 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	65952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	113009	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	69717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	15668	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	39427	53.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.38%	
35) Dibromofluoromethane	7.88	113	40828	61.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.88%	
50) Toluene-d8	10.32	98	138243	49.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.96%	
62) 4-Bromofluorobenzene	12.62	95	22546	22.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	45.48%	

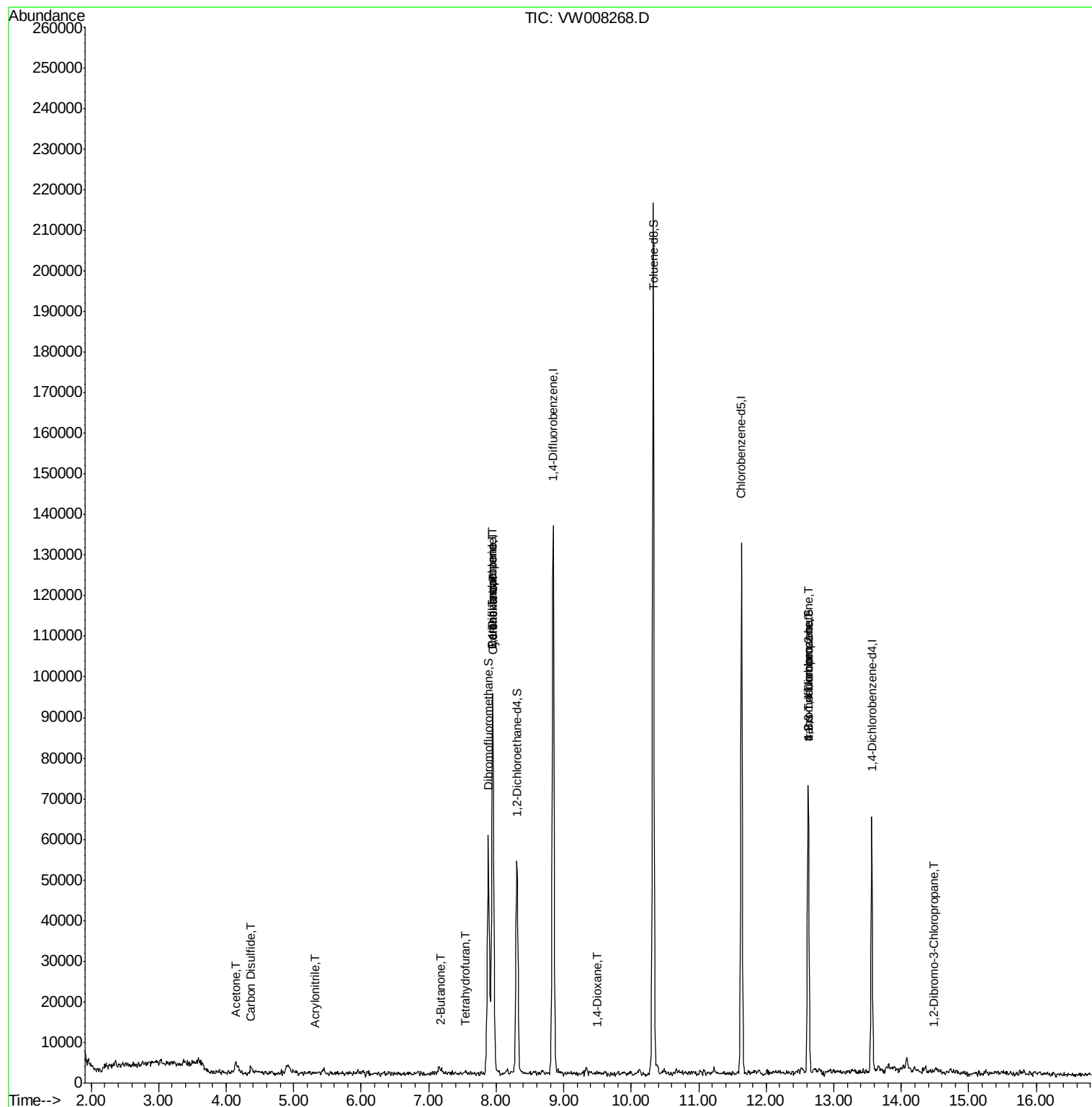
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	92	Below Cal	#	100
15) Acrylonitrile	5.32	53	192	1.204	ug/l #	50
16) Acetone	4.15	43	4446	13.348	ug/l	96
17) Carbon Disulfide	4.37	76	3971	1.760	ug/l #	81
20) Methylene Chloride	4.92	84	1605	Below Cal	#	81
25) 2-Butanone	7.18	43	539	2.613	ug/l #	49
29) Tetrahydrofuran	7.54	42	326	2.366	ug/l #	81
31) Cyclohexane	7.96	56	1948	1.249	ug/l #	54
36) 1,1-Dichloropropene	7.95	75	5499	4.724	ug/l #	47
38) Carbon Tetrachloride	7.95	117	7695	7.222	ug/l #	19
49) 1,4-Dioxane	9.50	88	38	6.146	ug/l #	4
76) 1,2,3-Trichloropropane	12.62	75	11053	77.385	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	11053	180.207	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.48	75	98	3.093	ug/l #	20

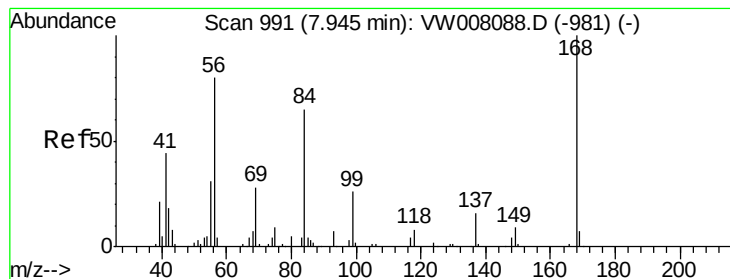
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008268.D

Acq: 15 Jan 2019 02:44

Instrument :

MSVOA_W

ClientSampleId :

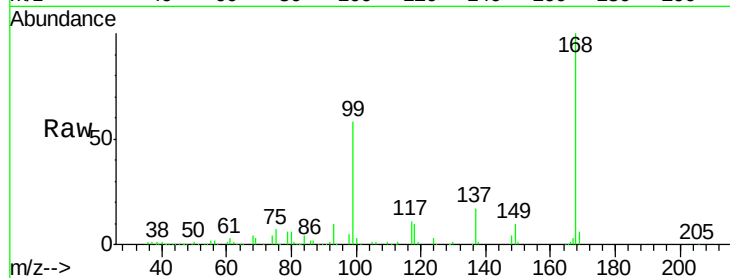
S-5RE

Tgt Ion:168 Resp: 65952

Ion Ratio Lower Upper

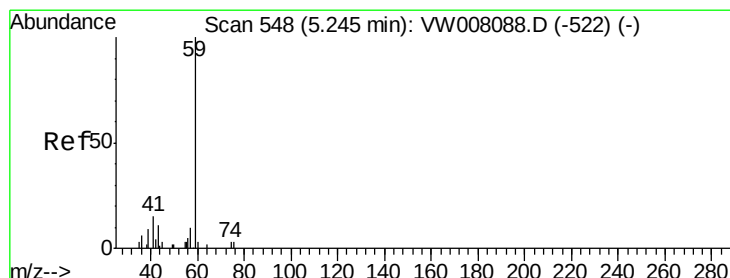
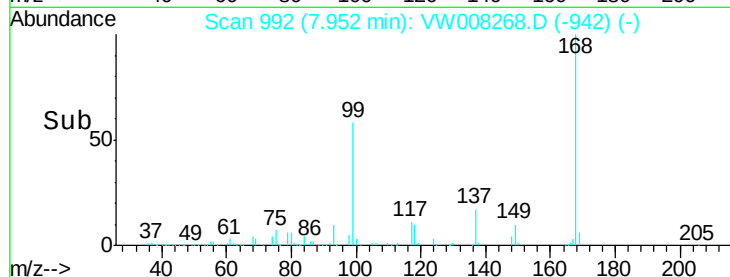
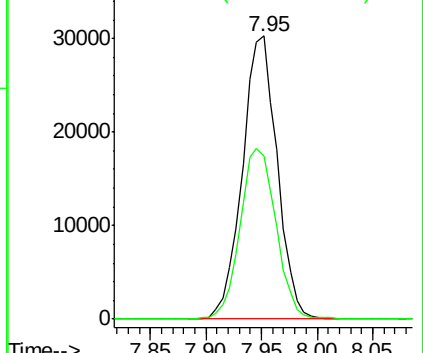
168 100

99 57.6 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: 5.24 min Scan# 548

Delta R.T. 0.00 min

Lab File: VW008268.D

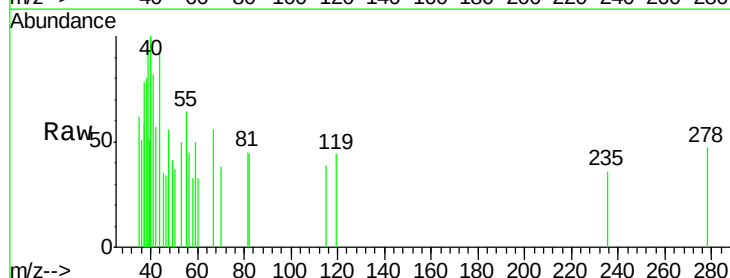
Acq: 15 Jan 2019 02:44

Tgt Ion: 59 Resp: 92

Ion Ratio Lower Upper

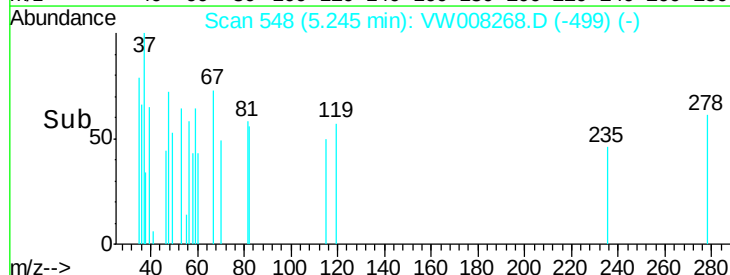
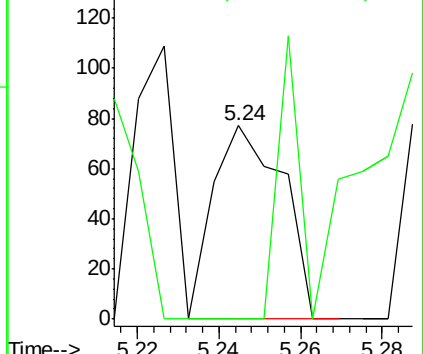
59 100

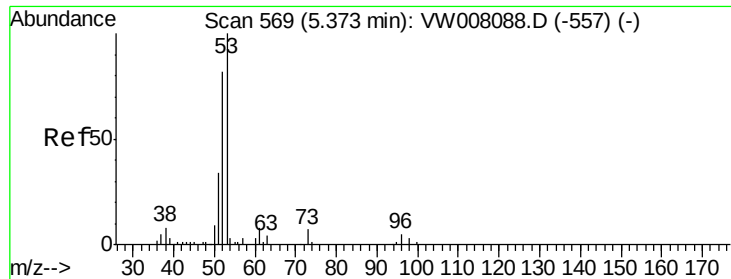
57 44.6 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#15

Acrylonitrile

Concen: 1.204 ug/l

RT: 5.32 min Scan# 560

Delta R.T. -0.05 min

Lab File: VW008268.D

Acq: 15 Jan 2019 02:44

Instrument :

MSVOA_W

ClientSampleId :

S-5RE

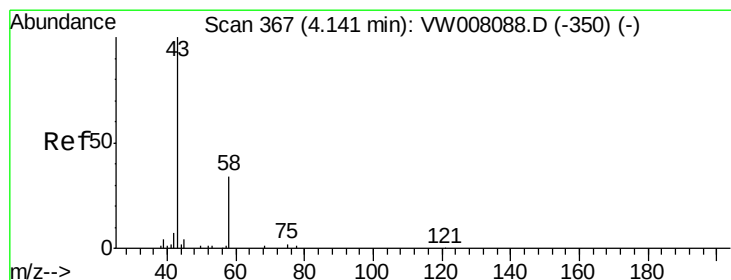
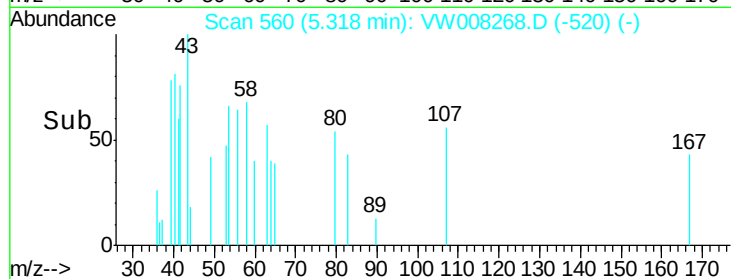
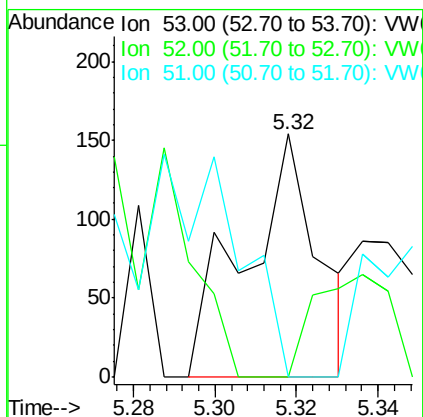
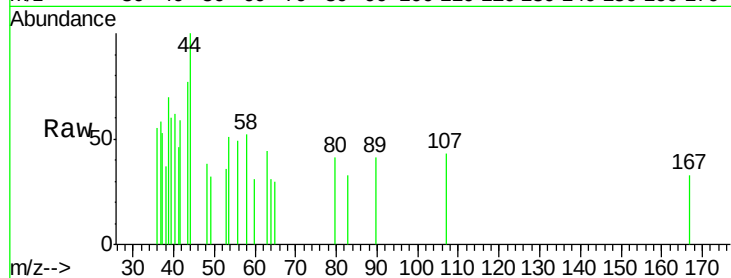
Tgt Ion: 53 Resp: 192

Ion Ratio Lower Upper

53 100

52 43.2 66.8 100.2#

51 0.0 29.7 44.5#



#16

Acetone

Concen: 13.348 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW008268.D

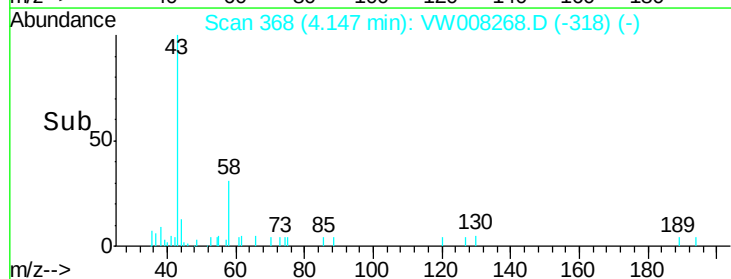
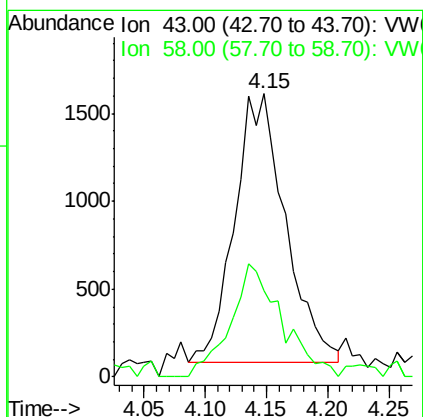
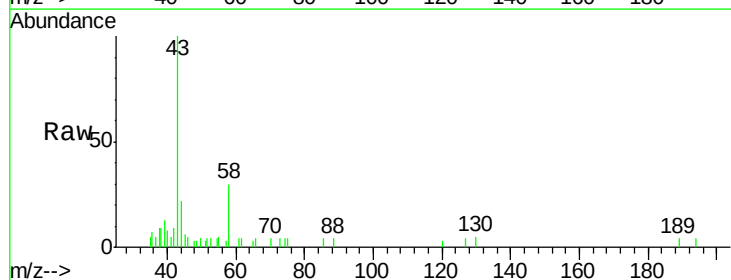
Acq: 15 Jan 2019 02:44

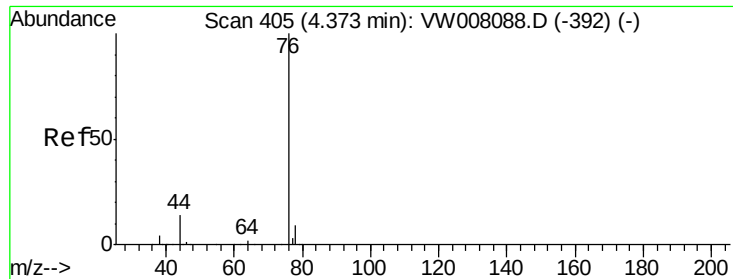
Tgt Ion: 43 Resp: 4446

Ion Ratio Lower Upper

43 100

58 32.0 27.5 41.3





#17

Carbon Disulfide

Concen: 1.760 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW008268.D

Acq: 15 Jan 2019 02:44

Instrument :

MSVOA_W

ClientSampleId :

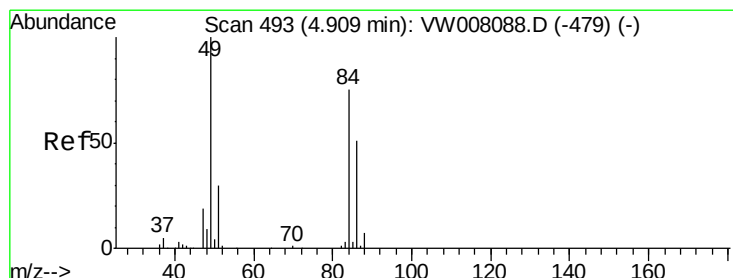
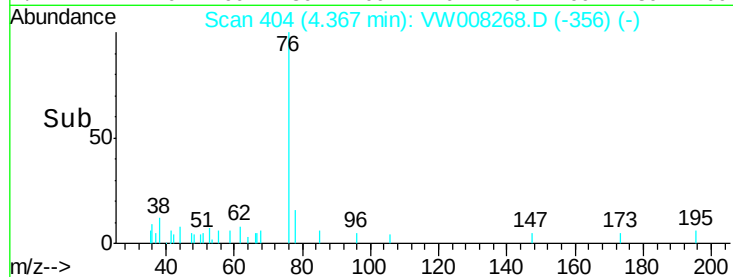
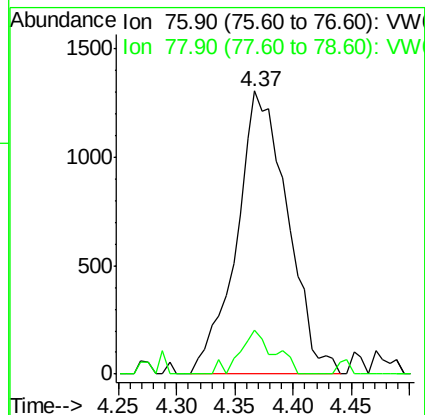
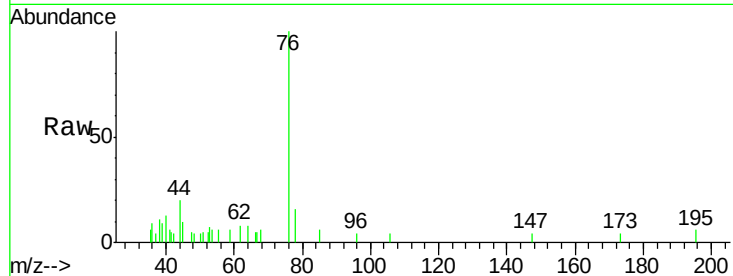
S-5RE

Tgt Ion: 76 Resp: 3971

Ion Ratio Lower Upper

76 100

78 15.7 7.0 10.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW008268.D

Acq: 15 Jan 2019 02:44

Tgt Ion: 84 Resp: 1605

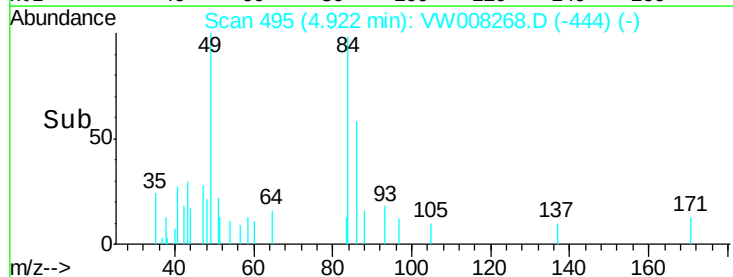
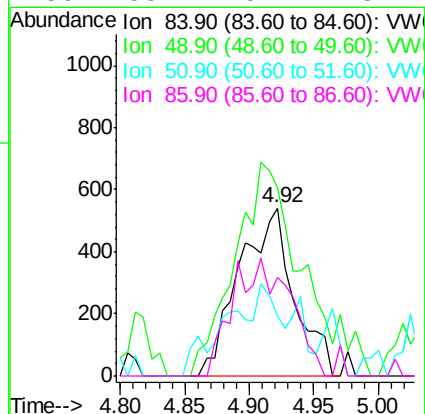
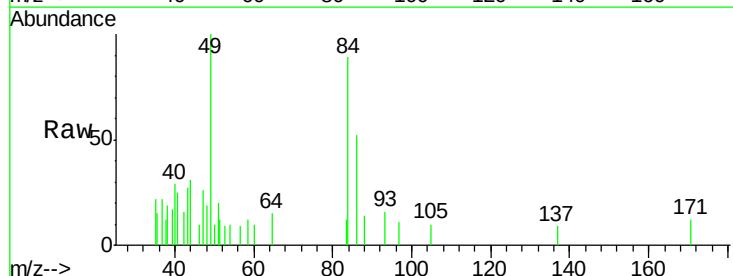
Ion Ratio Lower Upper

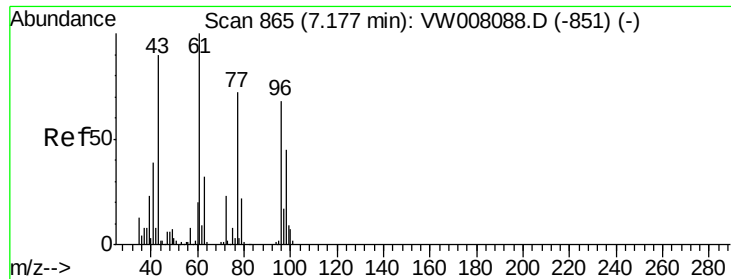
84 100

49 112.0 107.1 160.7

51 19.4 32.4 48.6#

86 58.7 54.2 81.4





#25

2-Butanone

Concen: 2.613 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW008268.D

Acq: 15 Jan 2019 02:44

Instrument :

MSVOA_W

ClientSampled :

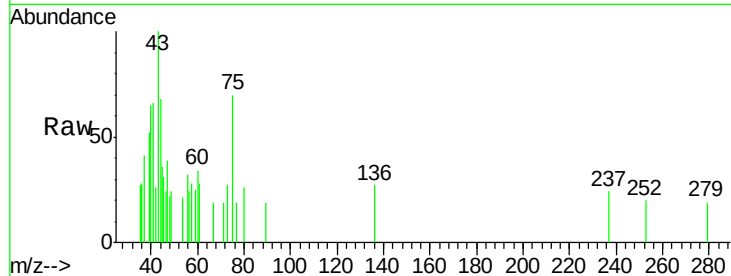
S-5RE

Tgt Ion: 43 Resp: 539

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#

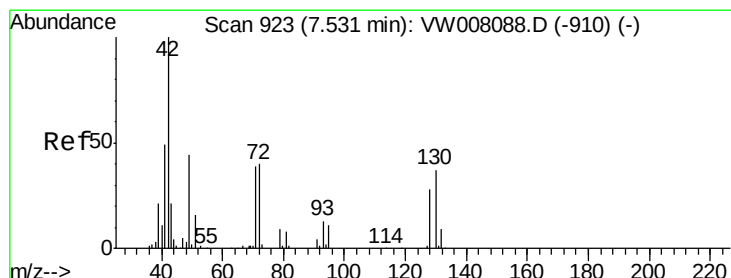
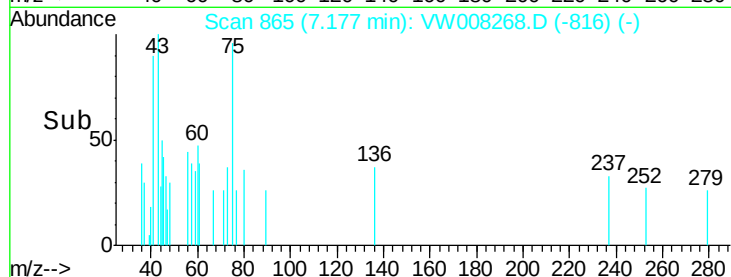


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.18

Time-->



#29

Tetrahydrofuran

Concen: 2.366 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW008268.D

Acq: 15 Jan 2019 02:44

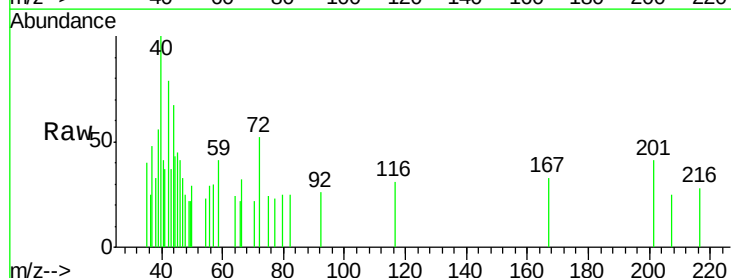
Tgt Ion: 42 Resp: 326

Ion Ratio Lower Upper

42 100

72 36.5 32.4 48.6

71 19.6 31.3 46.9#



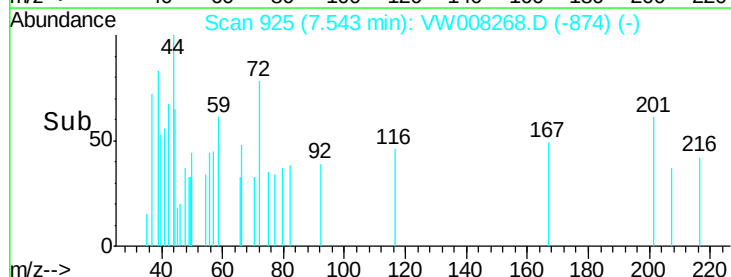
Abundance Ion 42.00 (41.70 to 42.70): VW

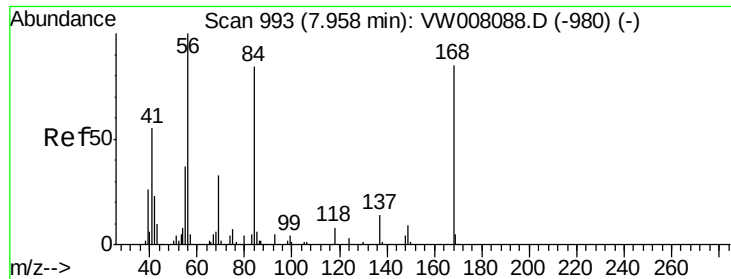
Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

7.54

Time-->

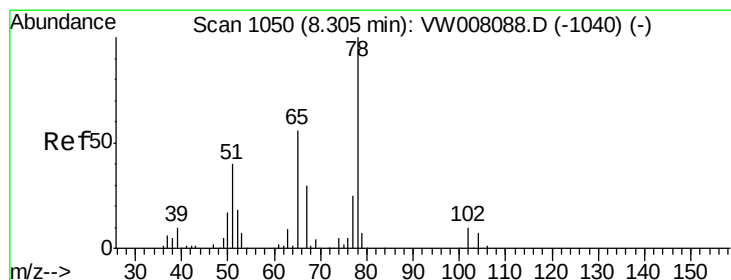
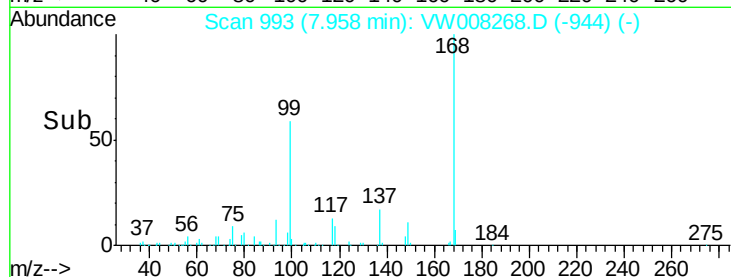
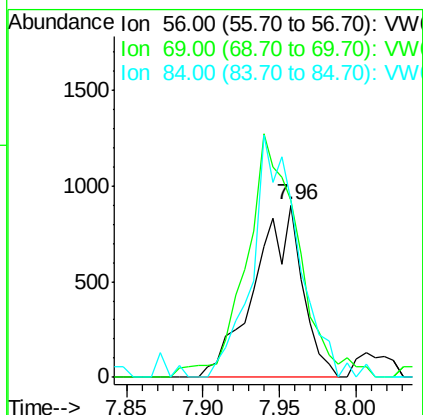
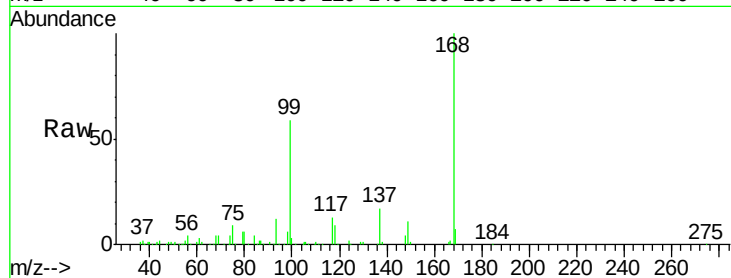




#31
Cyclohexane
Concen: 1.249 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW008268.D
Acq: 15 Jan 2019 02:44

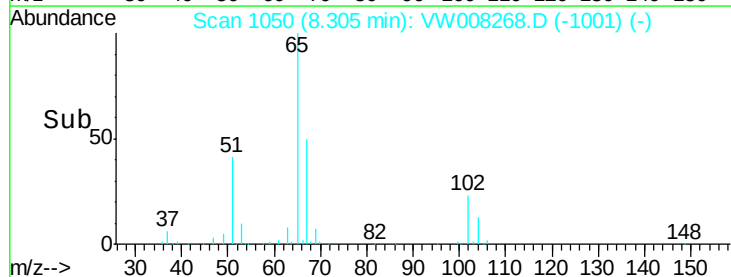
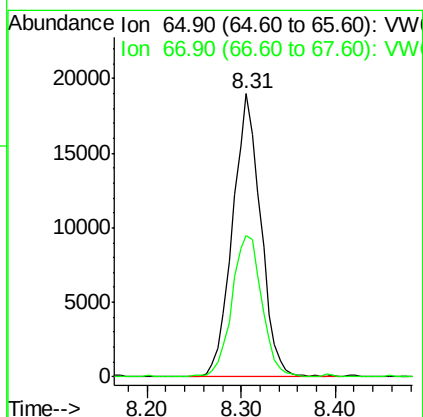
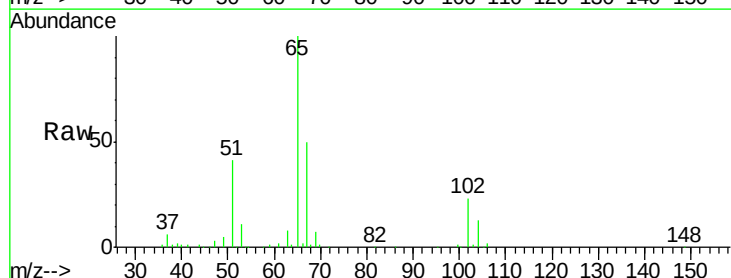
Instrument :
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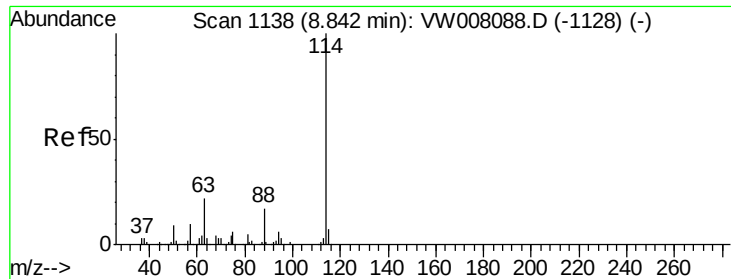
Tgt Ion: 56 Resp: 1948
Ion Ratio Lower Upper
56 100
69 96.2 26.2 39.4#
84 102.6 67.4 101.2#



#33
1,2-Dichloroethane-d4
Concen: 53.190 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008268.D
Acq: 15 Jan 2019 02:44

Tgt Ion: 65 Resp: 39427
Ion Ratio Lower Upper
65 100
67 53.1 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: VW008268.D

Acq: 15 Jan 2019 02:44

Instrument :

MSVOA_W

ClientSampleId :

S-5RE

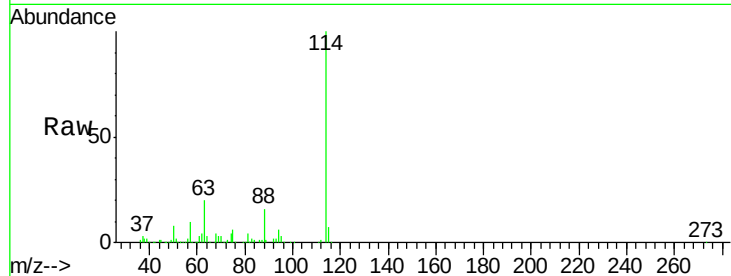
Tgt Ion:114 Resp: 113009

Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.4

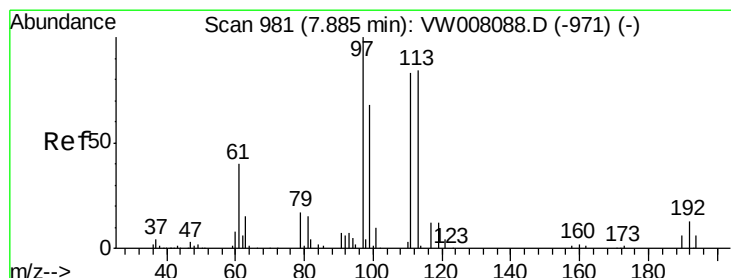
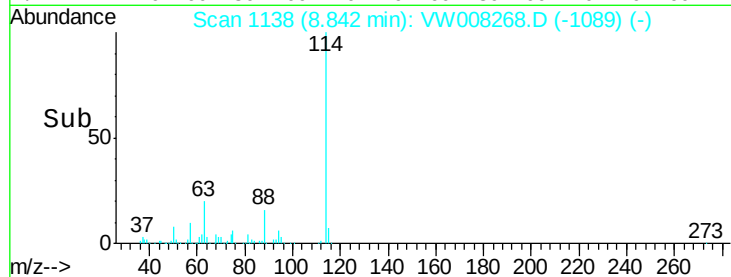
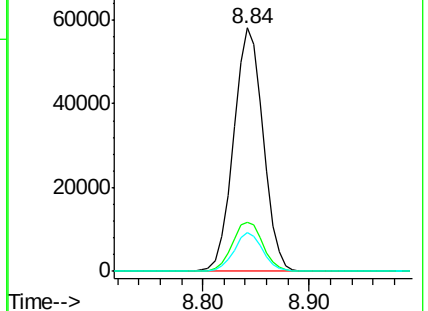
88 15.8 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 61.944 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008268.D

Acq: 15 Jan 2019 02:44

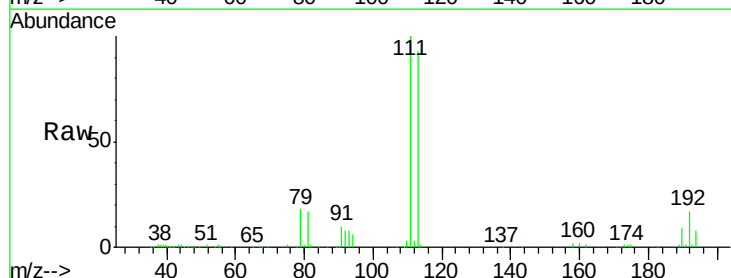
Tgt Ion:113 Resp: 40828

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

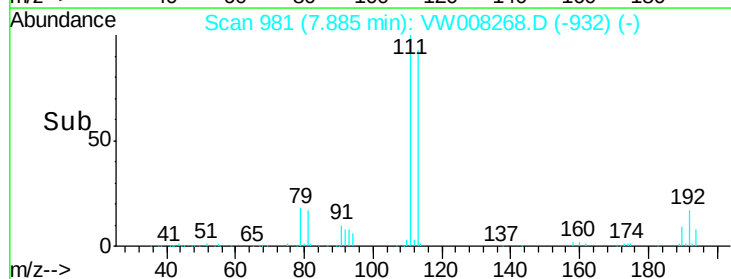
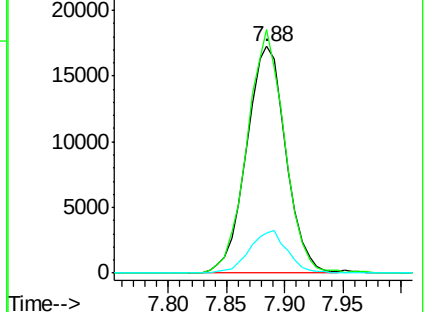
192 17.8 12.8 19.2

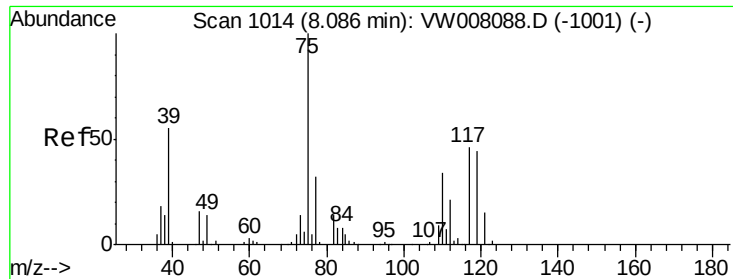


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

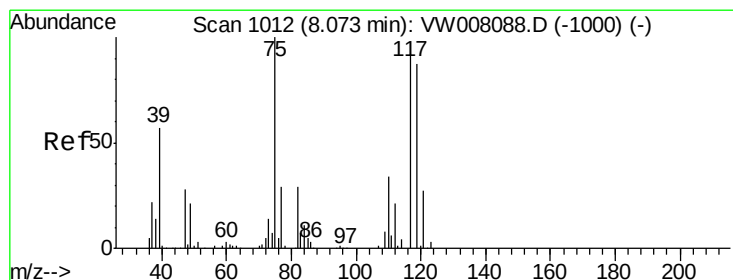
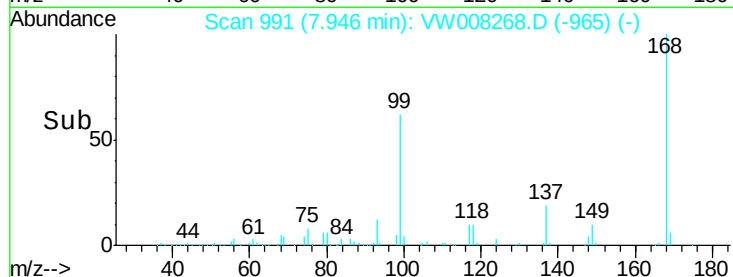
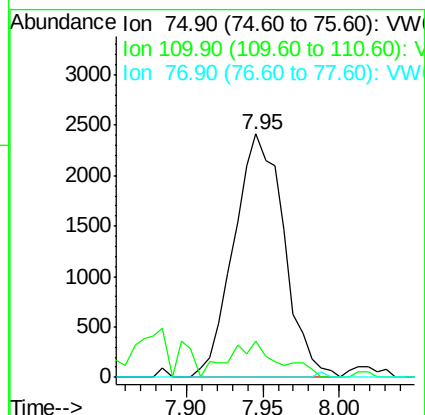
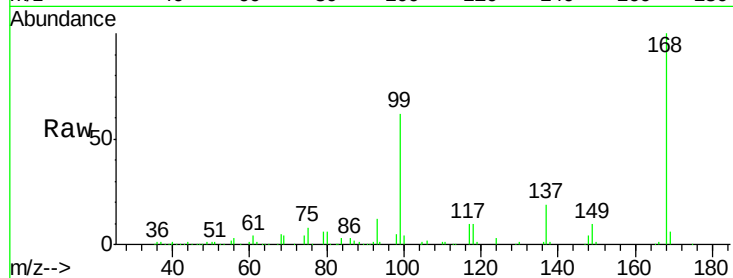




#36
 1,1-Dichloropropene
 Concen: 4.724 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008268.D
 Acq: 15 Jan 2019 02:44

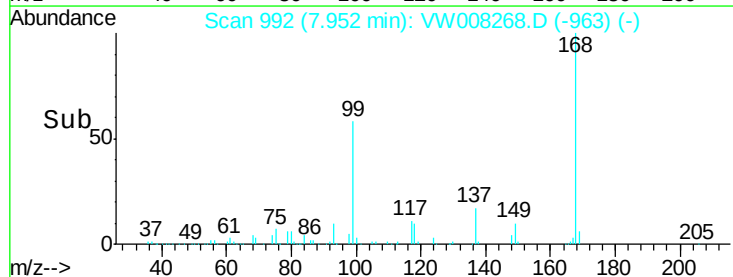
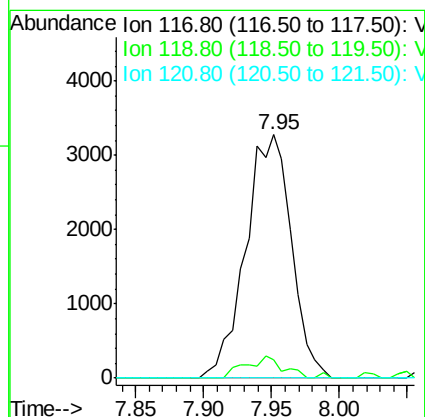
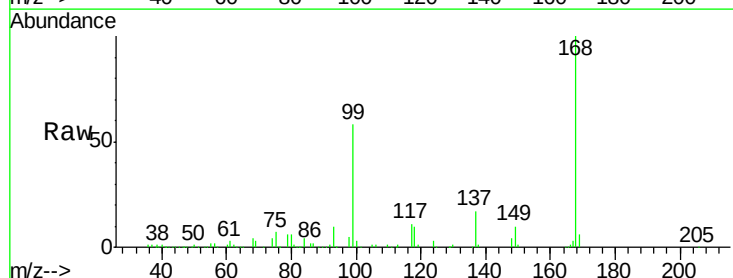
Instrument :
 MSVOA_W
 ClientSampled :
 S-5RE

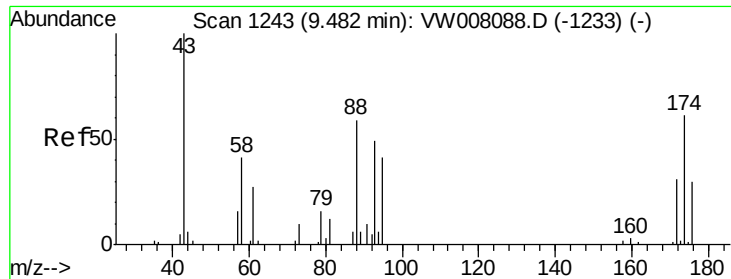
Tgt Ion: 75 Resp: 5499
 Ion Ratio Lower Upper
 75 100
 110 5.6 17.1 51.3#
 77 0.0 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 7.222 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW008268.D
 Acq: 15 Jan 2019 02:44

Tgt Ion: 117 Resp: 7695
 Ion Ratio Lower Upper
 117 100
 119 7.8 75.8 113.8#
 121 0.0 23.7 35.5#

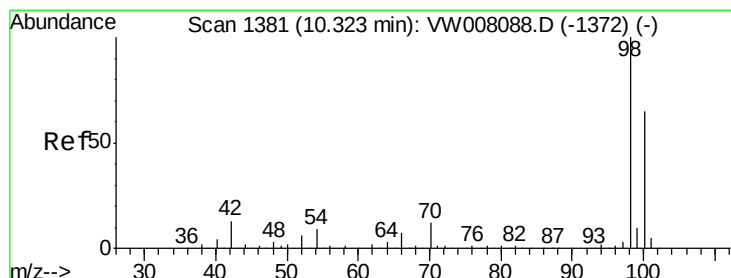
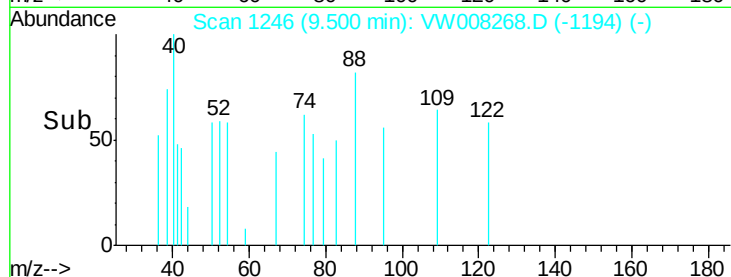
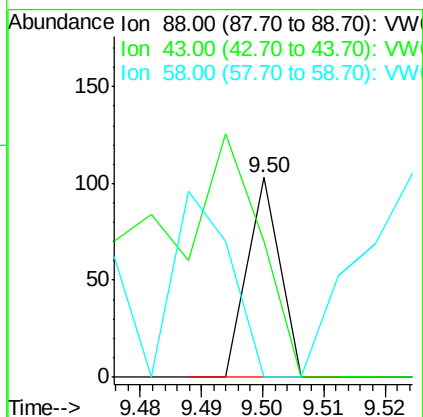
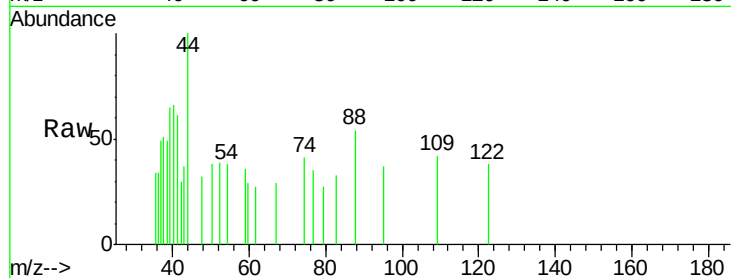




#49
1,4-Dioxane
Concen: 6.146 ug/l
RT: 9.50 min Scan# 1246
Delta R.T. 0.02 min
Lab File: VW008268.D
Acq: 15 Jan 2019 02:44

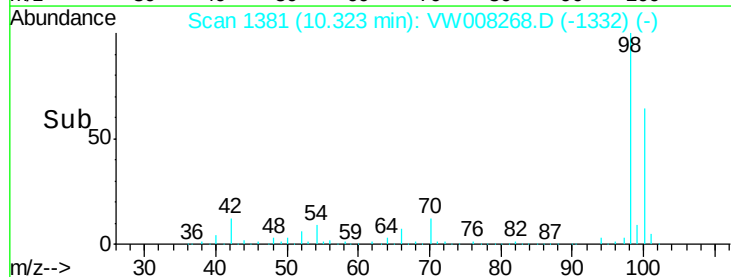
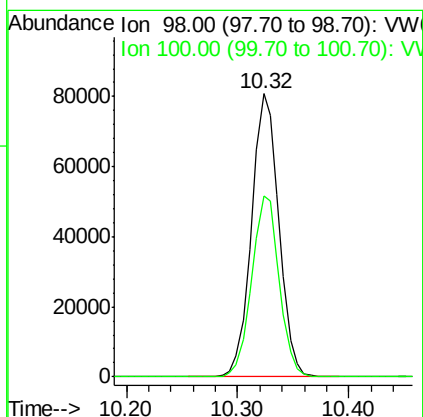
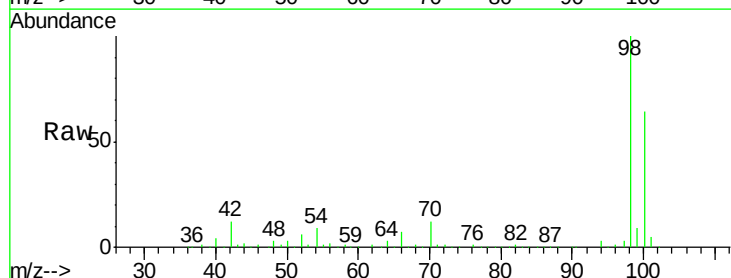
Instrument :
MSVOA_W
ClientSampled :
S-5RE

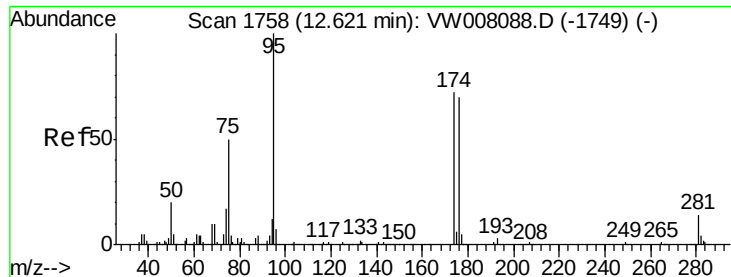
Tgt Ion: 88 Resp: 38
Ion Ratio Lower Upper
88 100
43 394.7 0.0 0.0#
58 160.5 61.7 92.5#



#50
Toluene-d8
Concen: 49.981 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008268.D
Acq: 15 Jan 2019 02:44

Tgt Ion: 98 Resp: 138243
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5

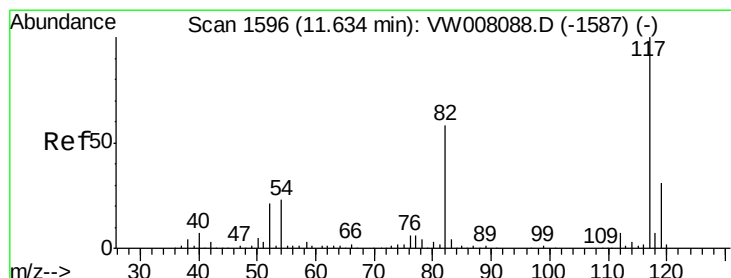
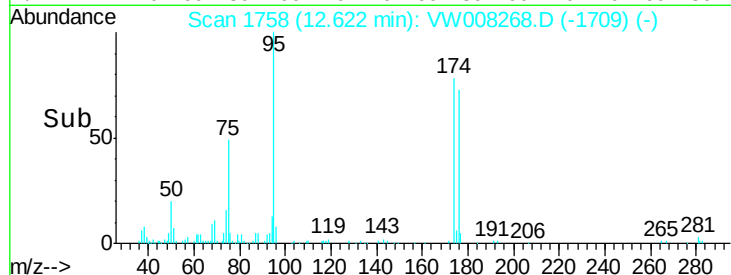
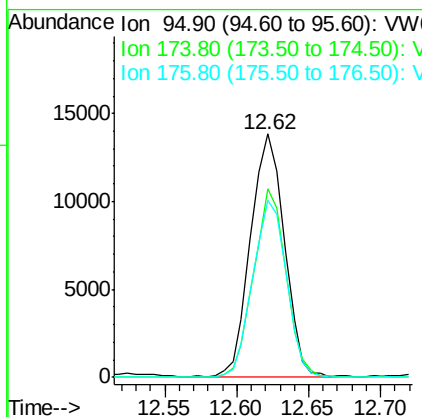
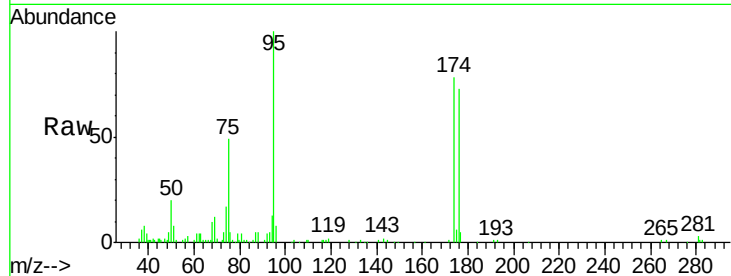




#62
4-Bromofluorobenzene
Concen: 22.738 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008268.D
Acq: 15 Jan 2019 02:44

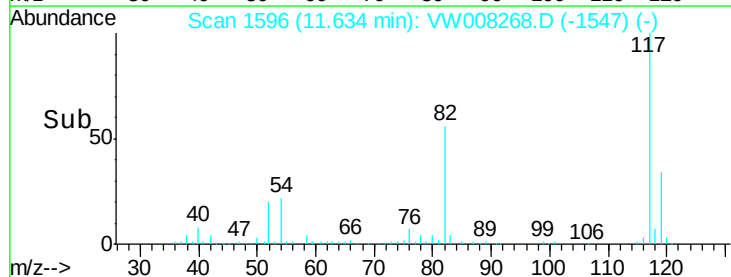
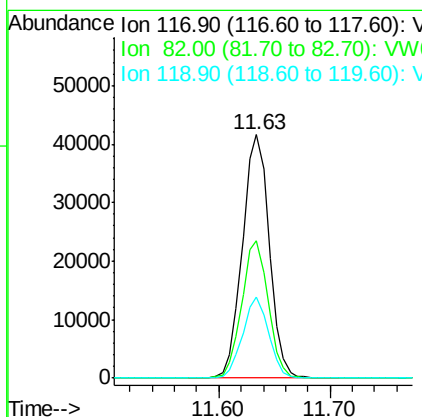
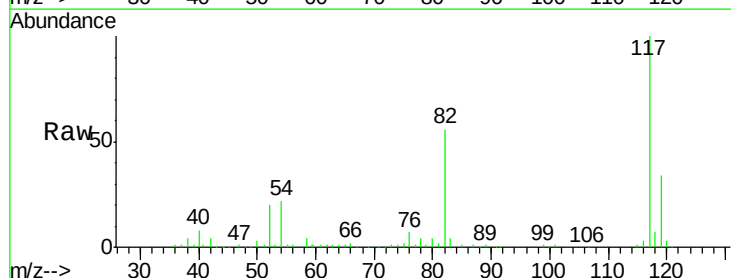
Instrument :
MSVOA_W
ClientSampled :
S-5RE

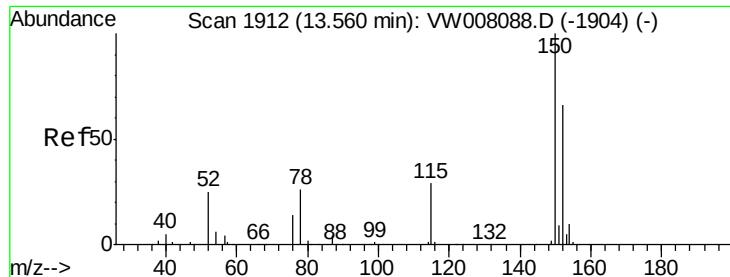
Tgt Ion: 95 Resp: 22546
Ion Ratio Lower Upper
95 100
174 73.8 0.0 143.0
176 72.1 0.0 140.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008268.D
Acq: 15 Jan 2019 02:44

Tgt Ion: 117 Resp: 69717
Ion Ratio Lower Upper
117 100
82 56.5 46.4 69.6
119 33.5 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: VW008268.D

Acq: 15 Jan 2019 02:44

Instrument :

MSVOA_W

ClientSampled :

S-5RE

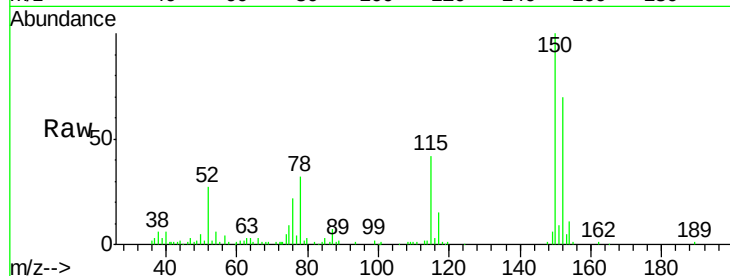
Tgt Ion:152 Resp: 15668

Ion Ratio Lower Upper

152 100

115 60.1 30.8 92.4

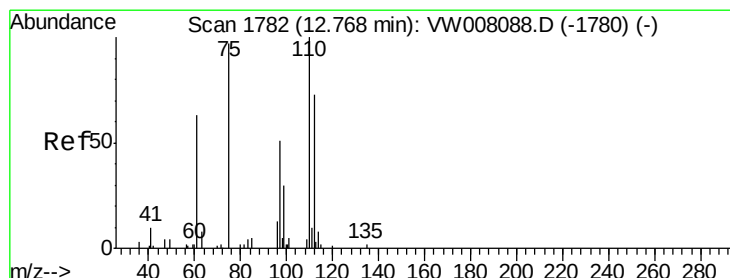
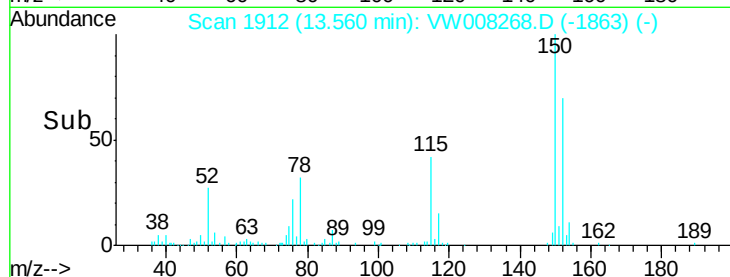
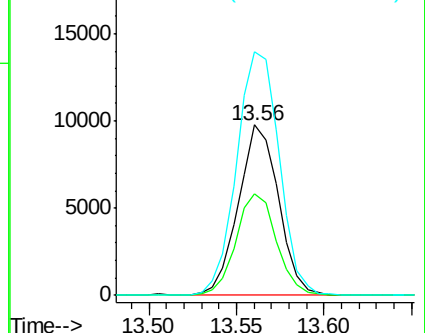
150 151.2 0.0 350.2



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: 77.385 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008268.D

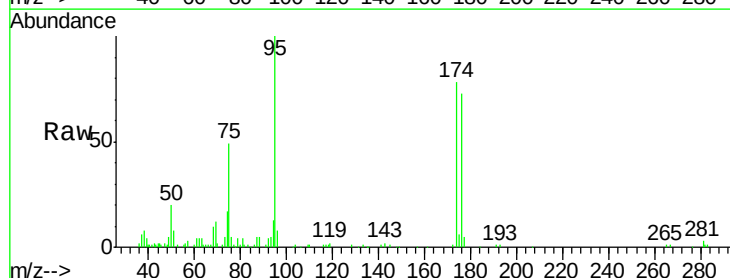
Acq: 15 Jan 2019 02:44

Tgt Ion: 75 Resp: 11053

Ion Ratio Lower Upper

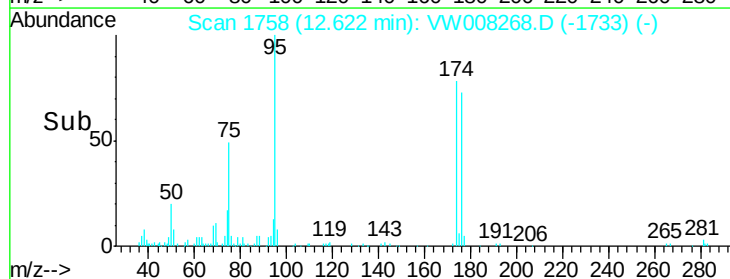
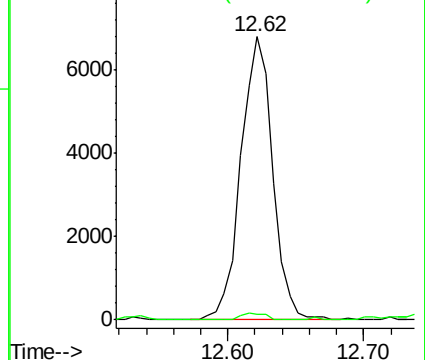
75 100

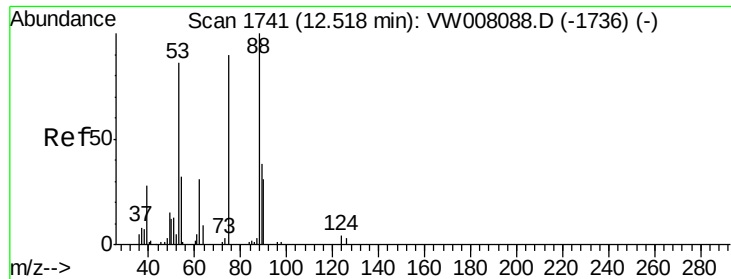
77 1.8 179.4 538.2#



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: 180.207 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008268.D

Acq: 15 Jan 2019 02:44

Instrument :

MSVOA_W

ClientSampled :

S-5RE

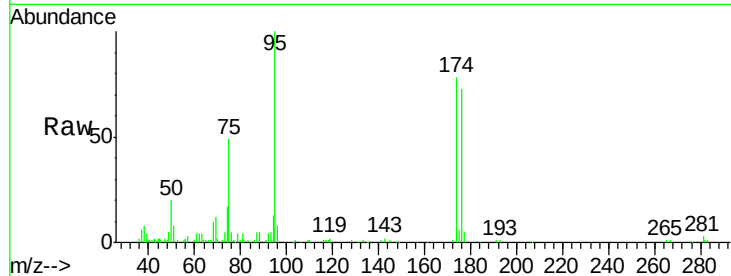
Tgt Ion: 75 Resp: 11053

Ion Ratio Lower Upper

75 100

53 0.9 78.8 118.2#

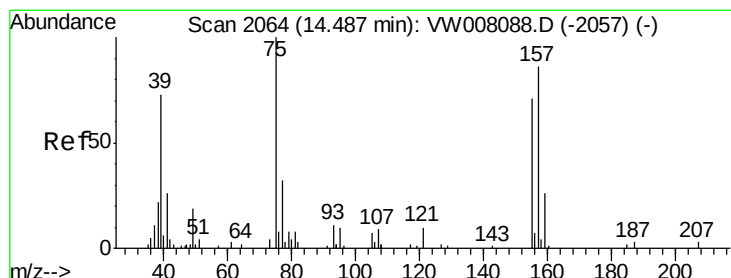
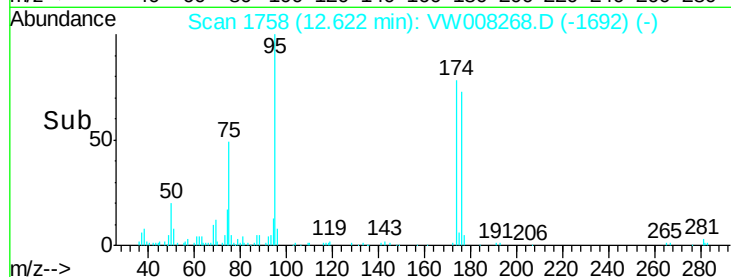
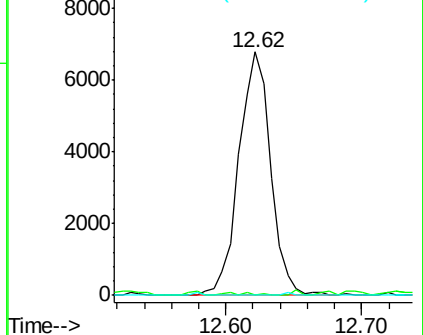
89 0.0 35.4 53.2#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.093 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW008268.D

Acq: 15 Jan 2019 02:44

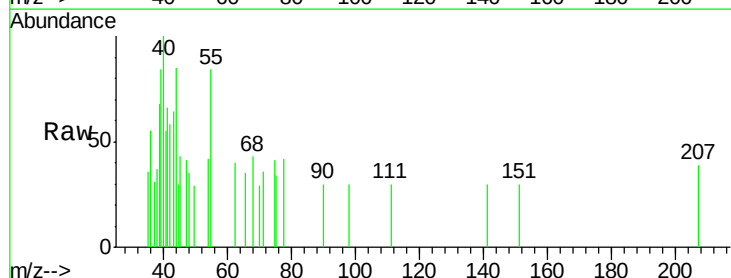
Tgt Ion: 75 Resp: 98

Ion Ratio Lower Upper

75 100

155 0.0 38.6 115.7#

157 24.5 47.5 142.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

