

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002537.D
 Acq On : 15 May 2018 03:06
 Operator : JC/SY
 Sample : J2708-03
 Misc : 7.17G/5ML/MSVOA_W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-17(5.5-6)

Quant Time: May 15 07:32:40 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 03:32:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	154032	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	241563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	219977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	107544	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	72847	45.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.54%	
35) Dibromofluoromethane	7.88	113	71344	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	
50) Toluene-d8	10.33	98	228715	39.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.46%	
62) 4-Bromofluorobenzene	12.63	95	84828	39.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.58%	

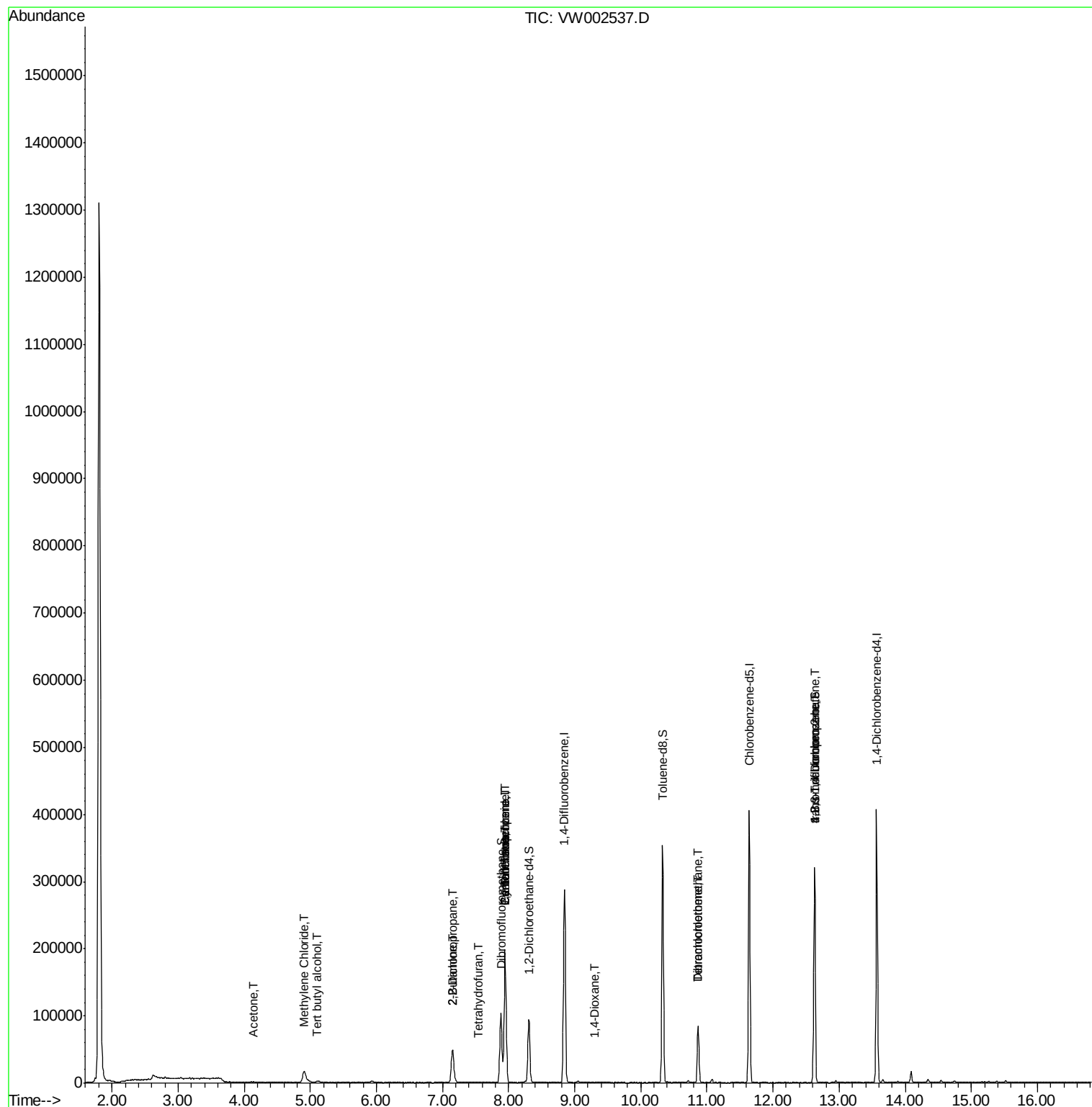
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.10	59	3208	26.22	ug/l #	78
16) Acetone	4.14	43	1543	4.59	ug/l #	88
20) Methylene Chloride	4.91	84	14817	8.82	ug/l	97
25) 2-Butanone	7.15	43	2724	5.73	ug/l #	68
26) 2,2-Dichloropropane	7.15	77	3554	2.48	ug/l #	51
29) Tetrahydrofuran	7.53	42	446	1.50	ug/l #	57
31) Cyclohexane	7.95	56	3541	1.57	ug/l #	14
36) 1,1-Dichloropropene	7.95	75	11649	5.46	ug/l #	50
38) Carbon Tetrachloride	7.95	117	13849	6.64	ug/l #	19
49) 1,4-Dioxane	9.30	88	22	1.49	ug/l #	1
60) Dibromochloromethane	10.87	129	13994	9.49	ug/l #	11
64) Tetrachloroethene	10.87	164	18962	12.23	ug/l	95
76) 1,2,3-Trichloropropane	12.63	75	43829	43.11	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	43829	117.55	ug/l #	8

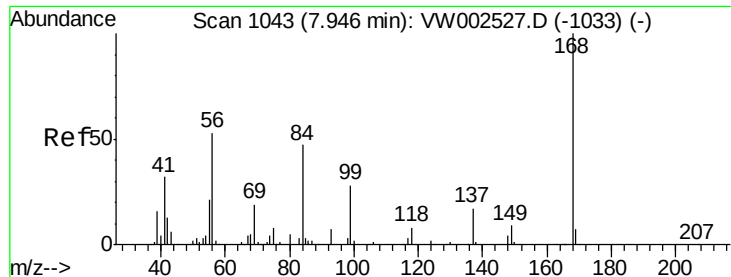
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 15 03:32:11 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002537.D

Acq: 15 May 2018 03:06

Instrument :

MSVOA_W

ClientSampleId :

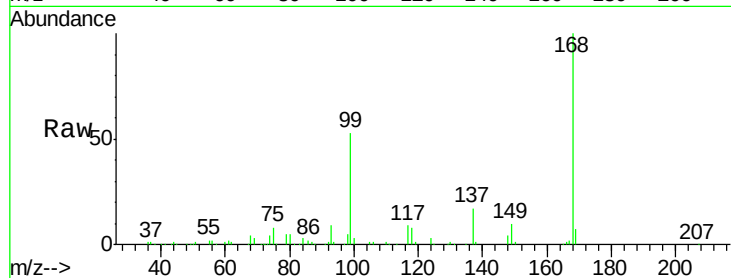
SB-17(5.5-6)

Tgt Ion:168 Resp: 154032

Ion Ratio Lower Upper

168 100

99 53.0 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

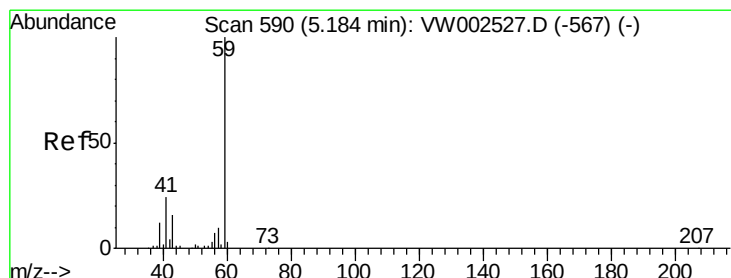
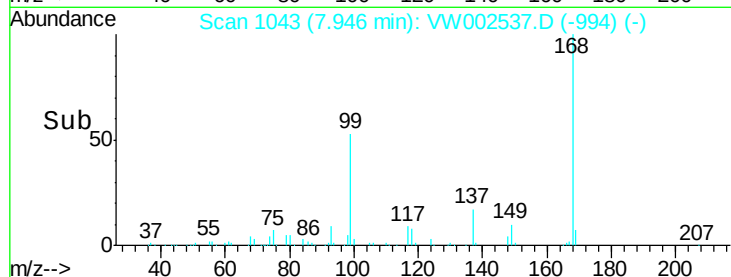
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 26.22 ug/l

RT: 5.10 min Scan# 577

Delta R.T. -0.08 min

Lab File: VW002537.D

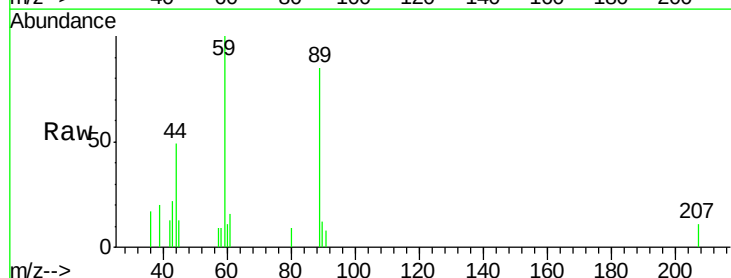
Acq: 15 May 2018 03:06

Tgt Ion: 59 Resp: 3208

Ion Ratio Lower Upper

59 100

57 2.1 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.10

800

600

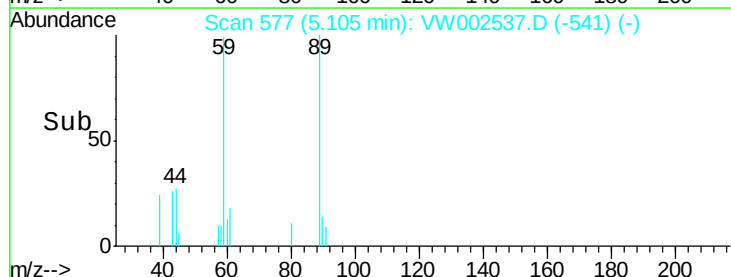
400

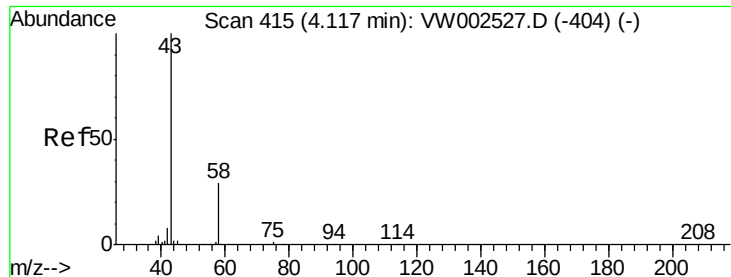
200

0

5.00 5.10 5.20 5.30

Time-->





#16

Acetone

Concen: 4.59 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.02 min

Lab File: VW002537.D

Acq: 15 May 2018 03:06

Instrument :

MSVOA_W

ClientSampled :

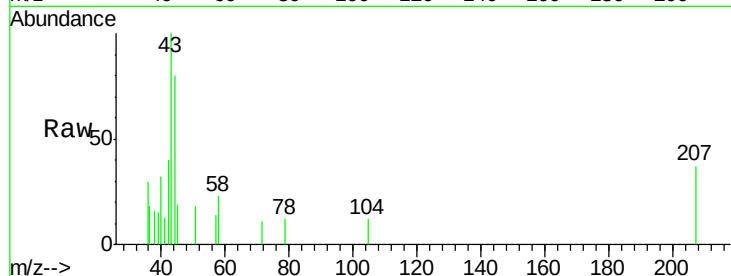
SB-17(5.5-6)

Tgt Ion: 43 Resp: 1543

Ion Ratio Lower Upper

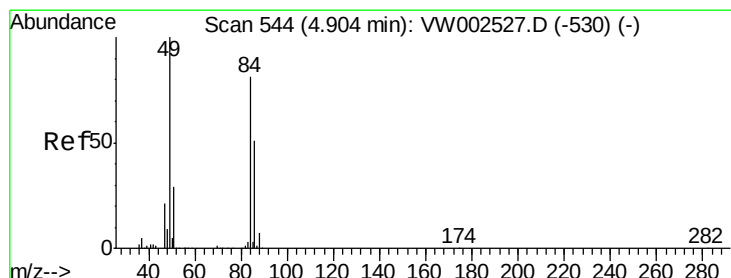
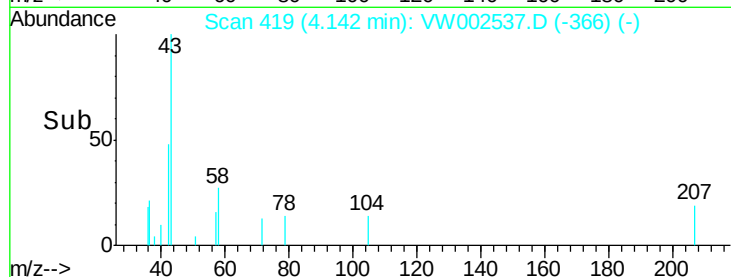
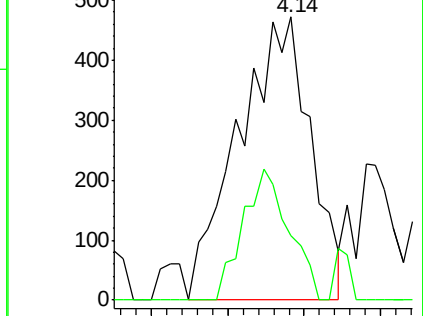
43 100

58 22.9 23.4 35.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 8.82 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.01 min

Lab File: VW002537.D

Acq: 15 May 2018 03:06

Tgt Ion: 84 Resp: 14817

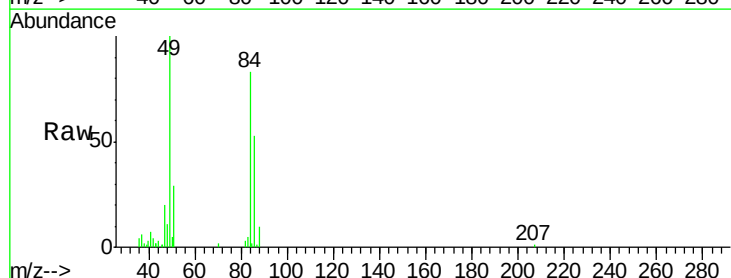
Ion Ratio Lower Upper

84 100

49 119.3 99.4 149.0

51 34.7 29.0 43.6

86 63.8 50.3 75.5

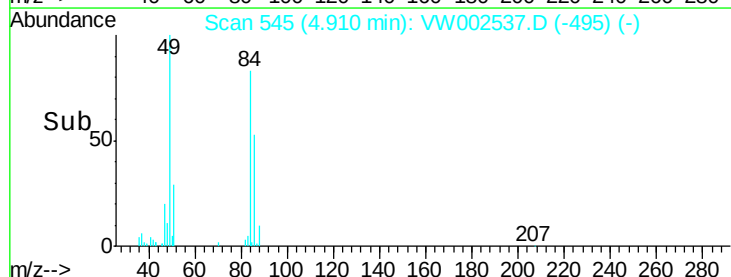
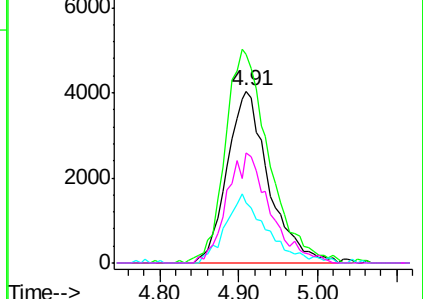


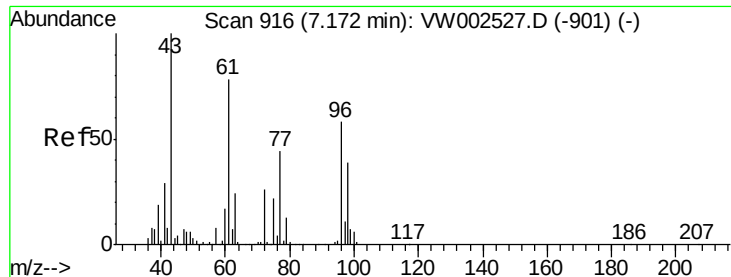
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#25

2-Butanone

Concen: 5.73 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.02 min

Lab File: VW002537.D

Acq: 15 May 2018 03:06

Instrument :

MSVOA_W

ClientSampleId :

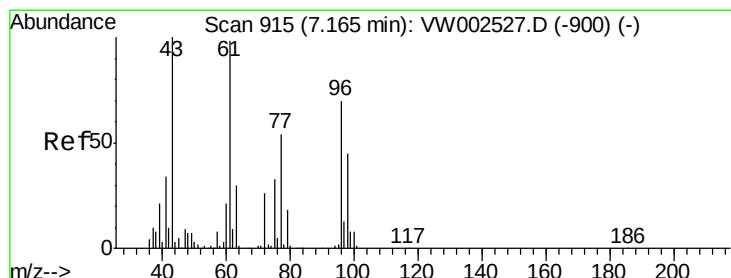
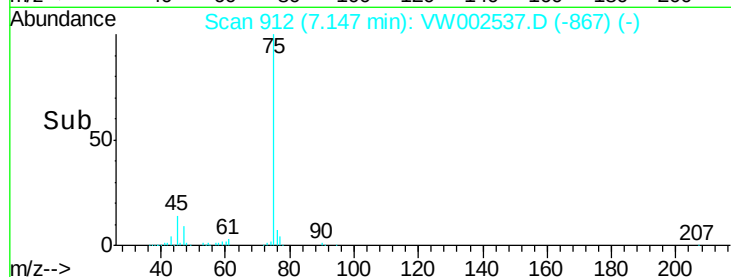
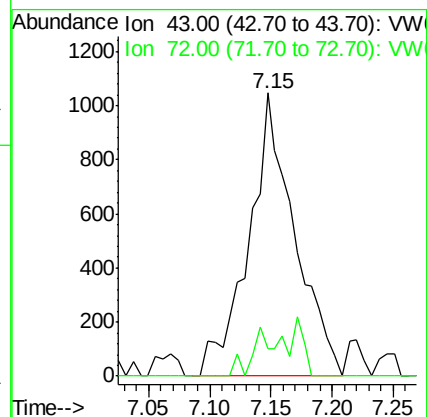
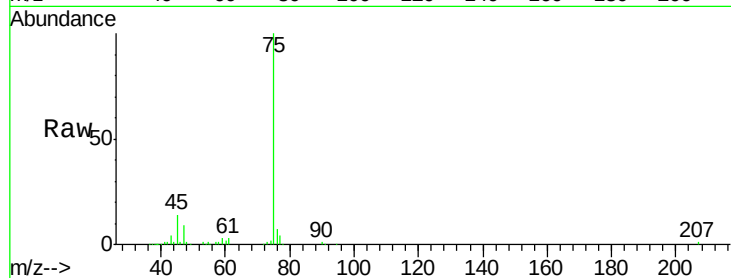
SB-17(5.5-6)

Tgt Ion: 43 Resp: 2724

Ion Ratio Lower Upper

43 100

72 9.6 20.9 31.3#



#26

2,2-Dichloropropane

Concen: 2.48 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.01 min

Lab File: VW002537.D

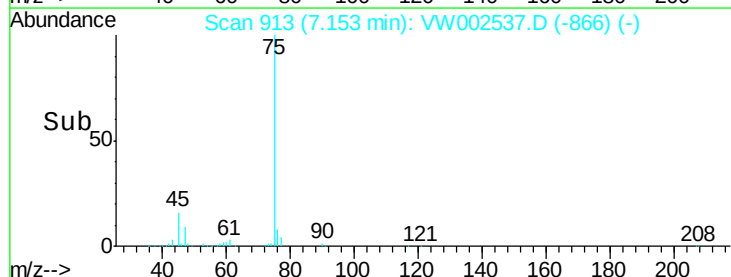
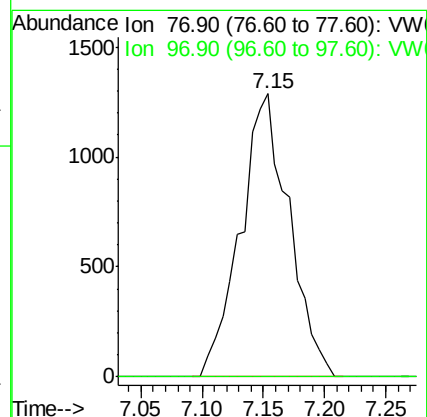
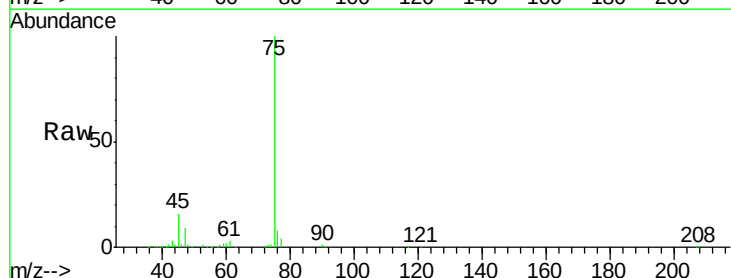
Acq: 15 May 2018 03:06

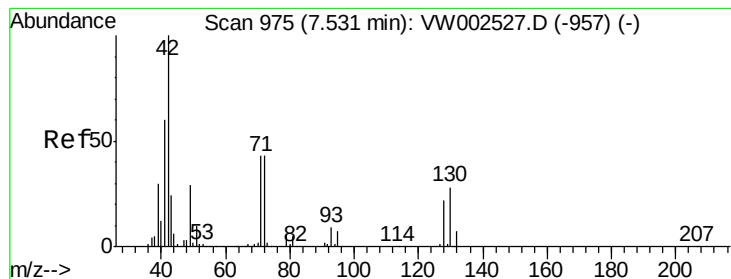
Tgt Ion: 77 Resp: 3554

Ion Ratio Lower Upper

77 100

97 0.0 12.1 36.3#





#29

Tetrahydrofuran

Concen: 1.50 ug/l

RT: 7.53 min Scan# 975

Delta R.T. -0.00 min

Lab File: VW002537.D

Acq: 15 May 2018 03:06

Instrument :

MSVOA_W

ClientSampleId :

SB-17(5.5-6)

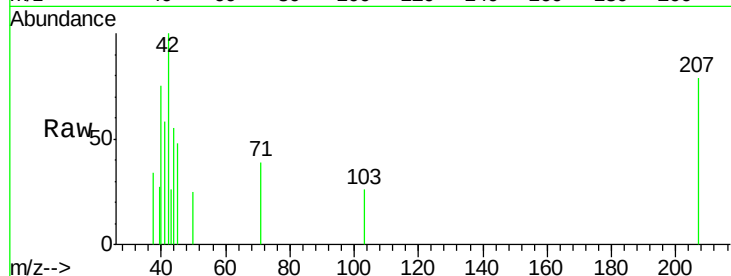
Tgt Ion: 42 Resp: 446

Ion Ratio Lower Upper

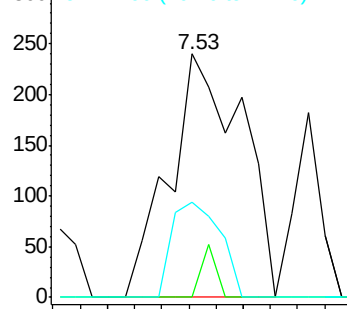
42 100

72 4.3 35.0 52.4#

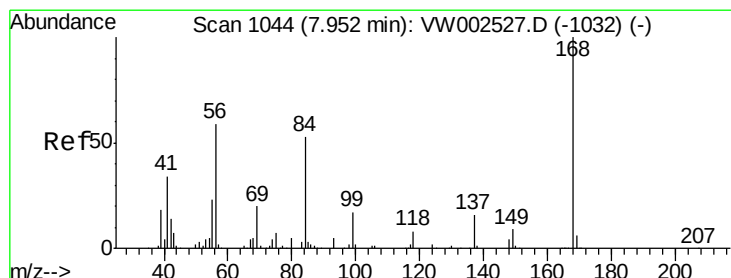
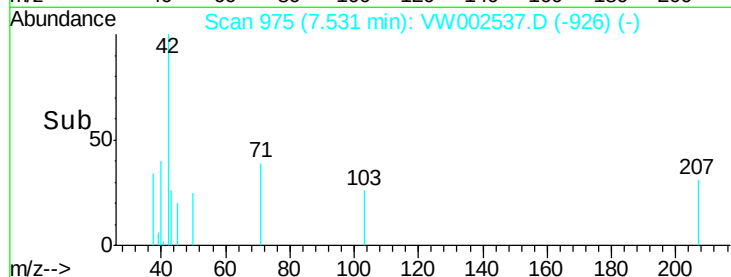
71 26.0 33.0 49.6#



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



Time-->



#31

Cyclohexane

Concen: 1.57 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW002537.D

Acq: 15 May 2018 03:06

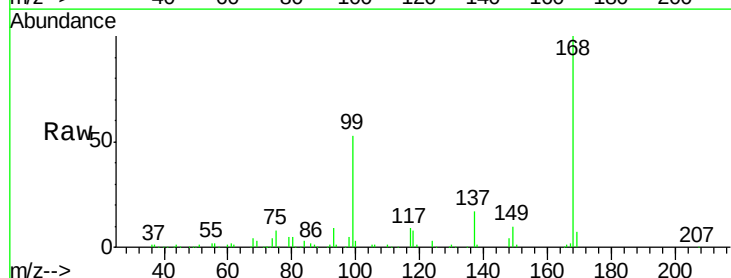
Tgt Ion: 56 Resp: 3541

Ion Ratio Lower Upper

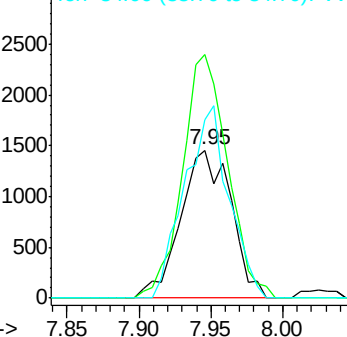
56 100

69 165.0 27.0 40.4#

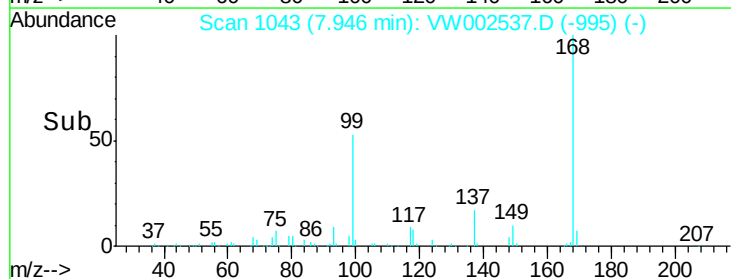
84 120.4 72.2 108.2#

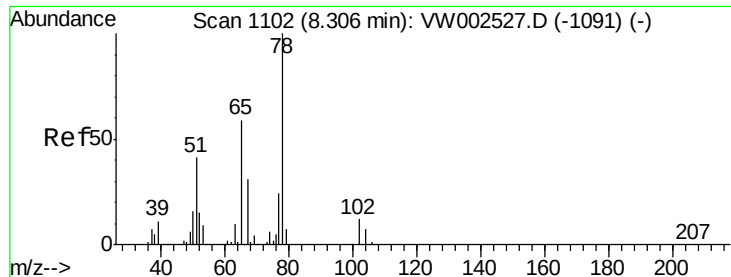


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



Time-->

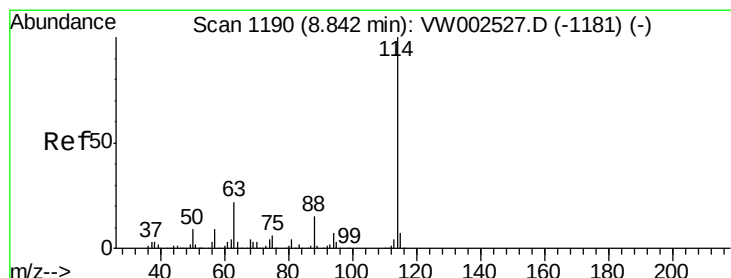
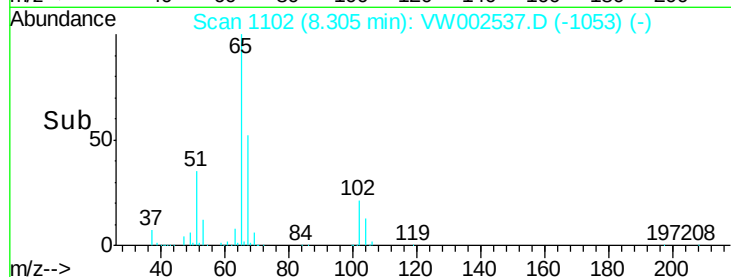
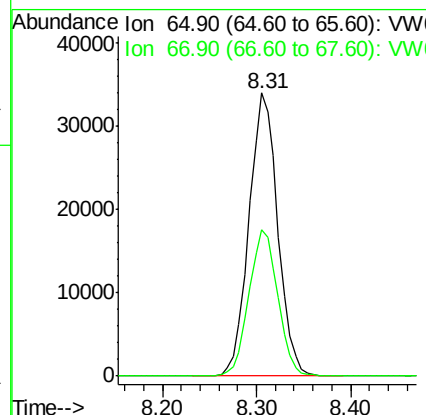
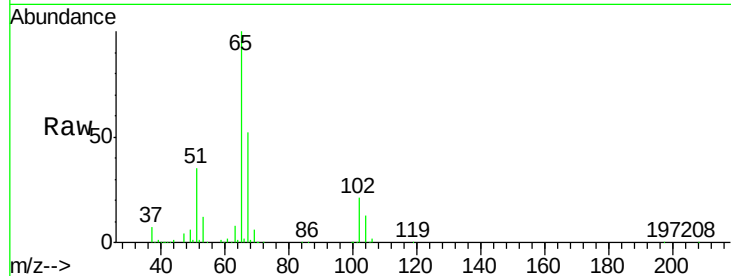




#33
 1,2-Dichloroethane-d4
 Concen: 45.77 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW002537.D
 Acq: 15 May 2018 03:06

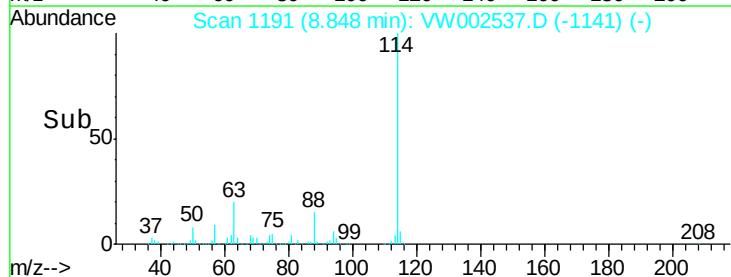
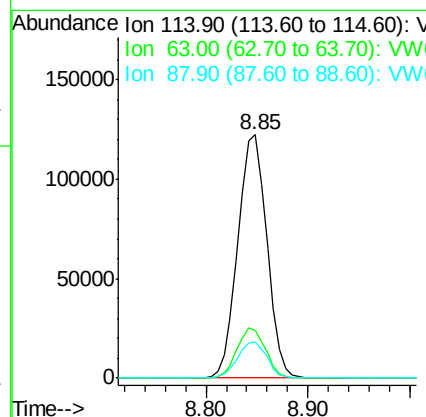
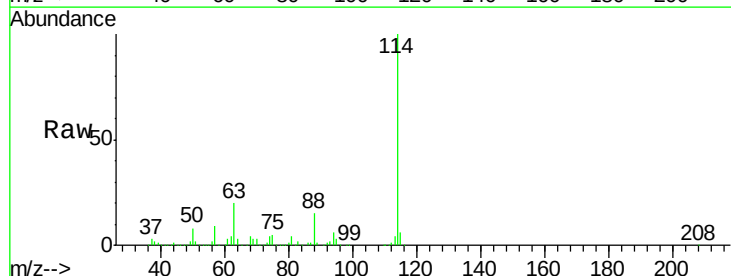
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-17(5.5-6)

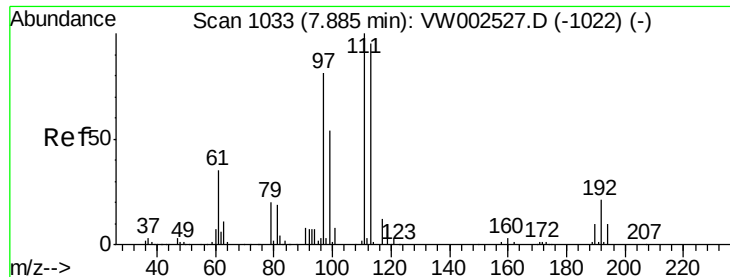
Tgt Ion: 65 Resp: 72847
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VW002537.D
 Acq: 15 May 2018 03:06

Tgt Ion: 114 Resp: 241563
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 43.2
 88 14.8 0.0 29.2

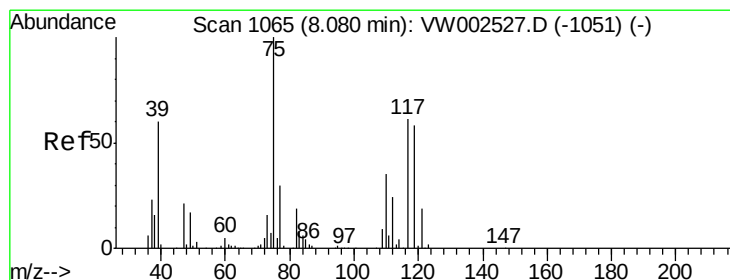
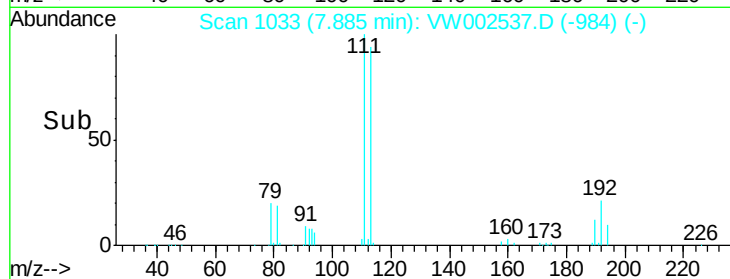
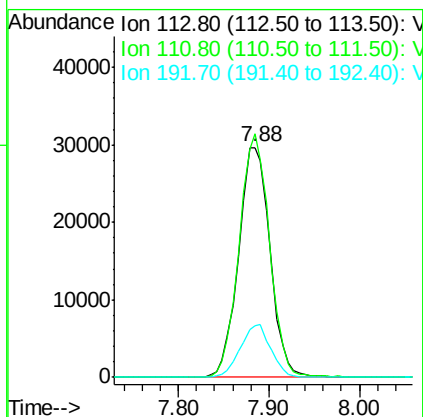
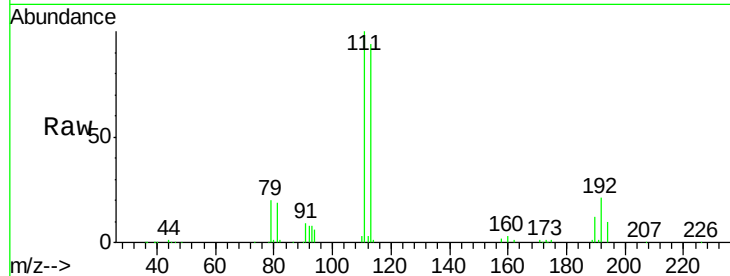




#35
 Dibromofluoromethane
 Concen: 46.55 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002537.D
 Acq: 15 May 2018 03:06

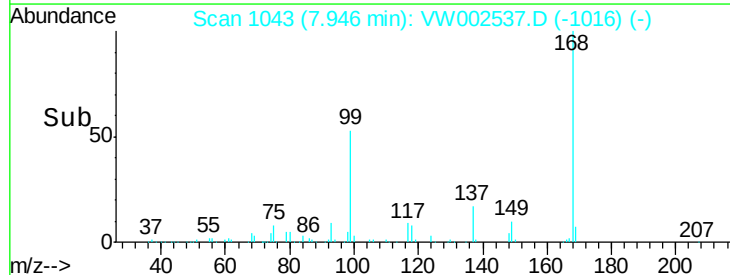
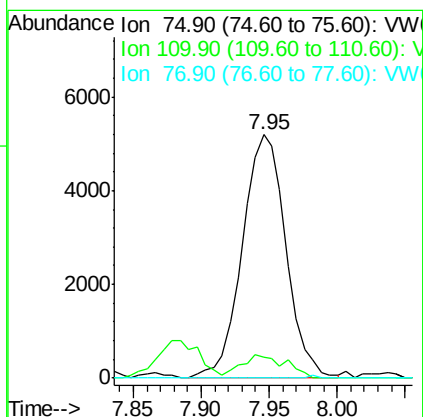
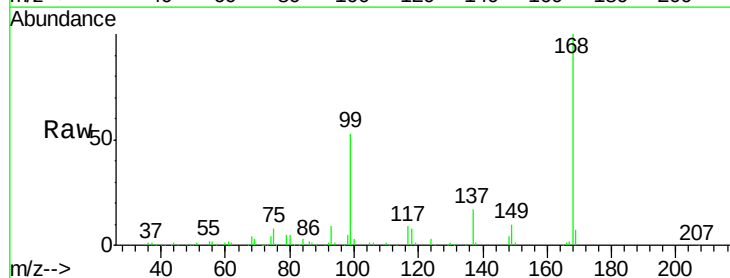
Instrument :
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 SB-17(5.5-6)

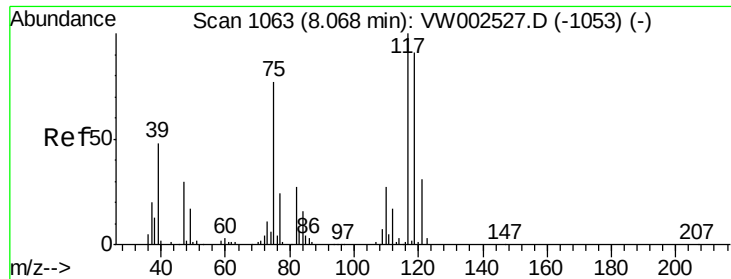
Tgt Ion:113 Resp: 71344
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.8 122.8
 192 22.1 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 5.46 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW002537.D
 Acq: 15 May 2018 03:06

Tgt Ion: 75 Resp: 11649
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.8 53.5#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.64 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW002537.D

Acq: 15 May 2018 03:06

Instrument :

MSVOA_W

ClientSampled :

SB-17(5.5-6)

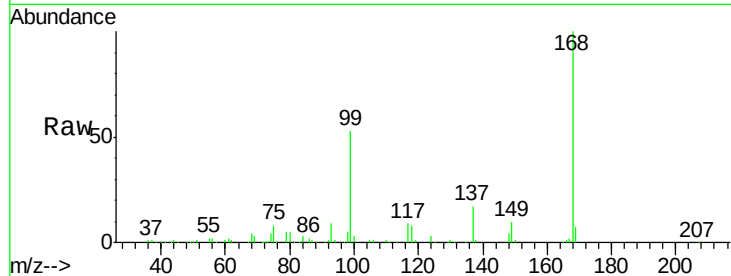
Tgt Ion:117 Resp: 13849

Ion Ratio Lower Upper

117 100

119 6.9 73.1 109.7#

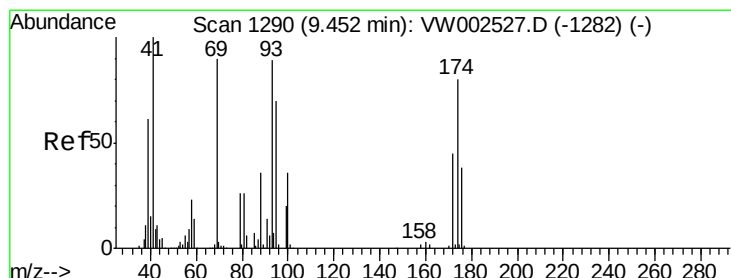
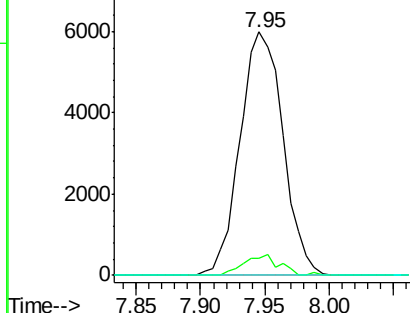
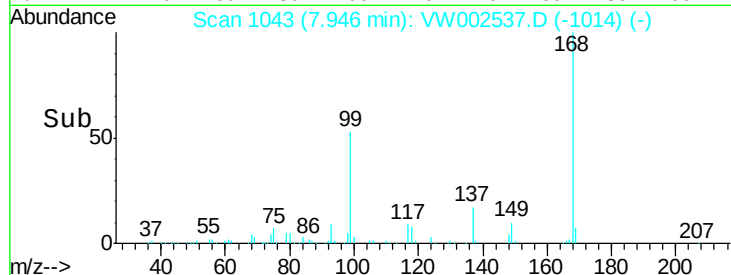
121 0.0 24.4 36.6#



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: 1.49 ug/l

RT: 9.30 min Scan# 1265

Delta R.T. -0.15 min

Lab File: VW002537.D

Acq: 15 May 2018 03:06

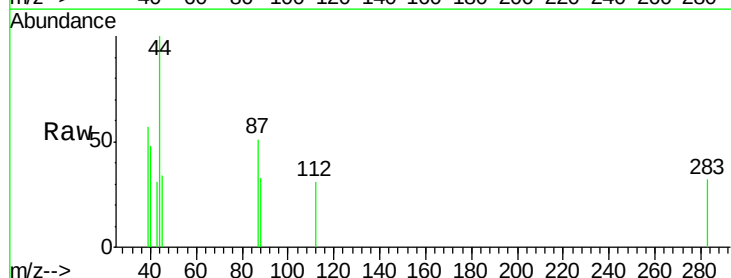
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 409.1 27.0 40.4#

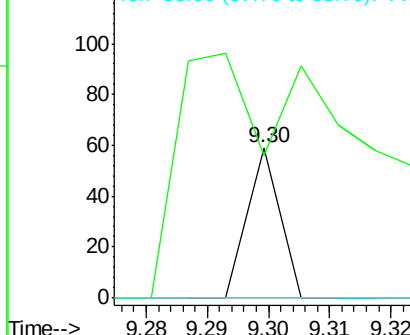
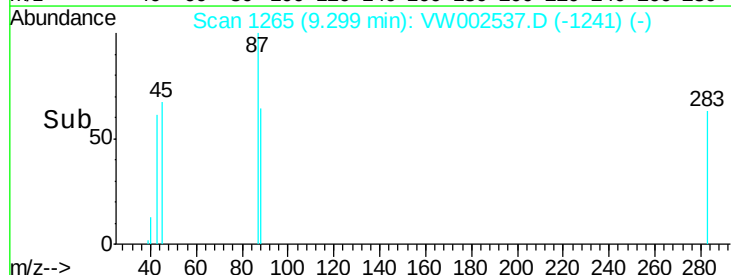
58 0.0 56.9 85.3#

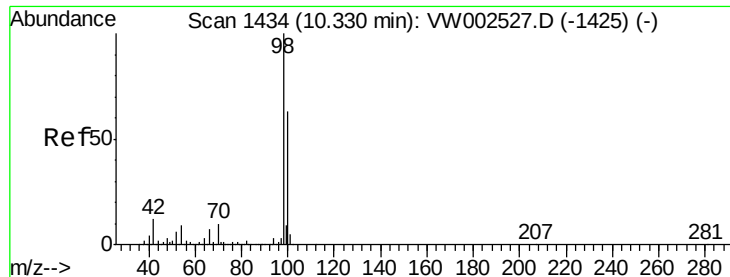


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 39.23 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002537.D

Acq: 15 May 2018 03:06

Instrument :

MSVOA_W

ClientSampleId :

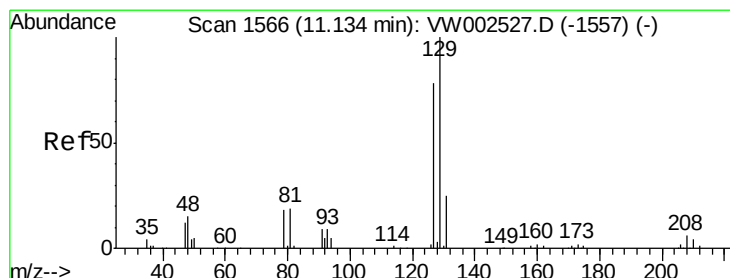
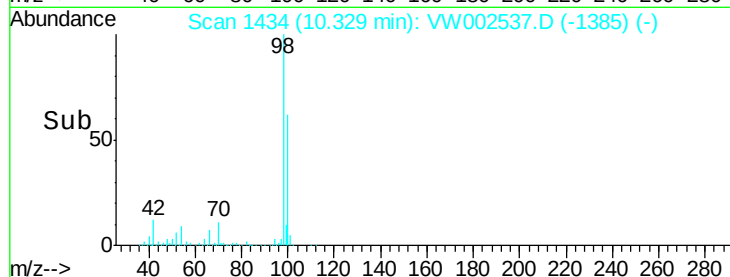
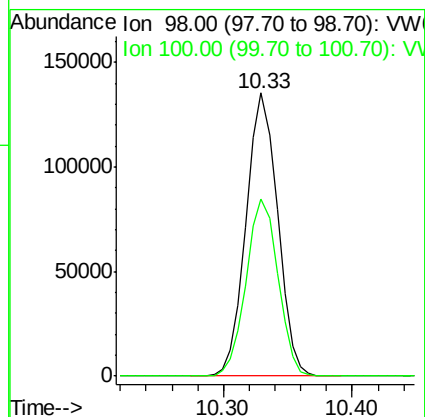
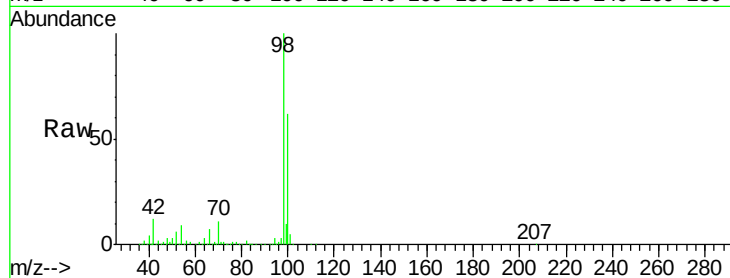
SB-17(5.5-6)

Tgt Ion: 98 Resp: 228715

Ion Ratio Lower Upper

98 100

100 63.5 51.0 76.4



#60

Dibromochloromethane

Concen: 9.49 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. -0.27 min

Lab File: VW002537.D

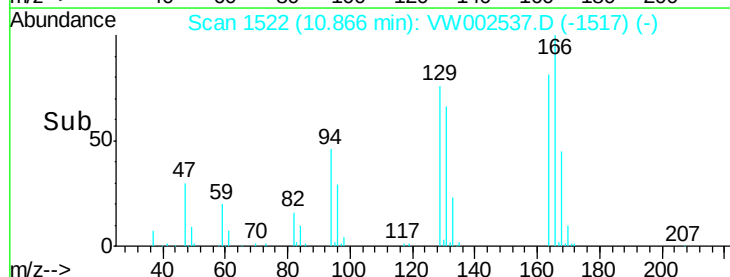
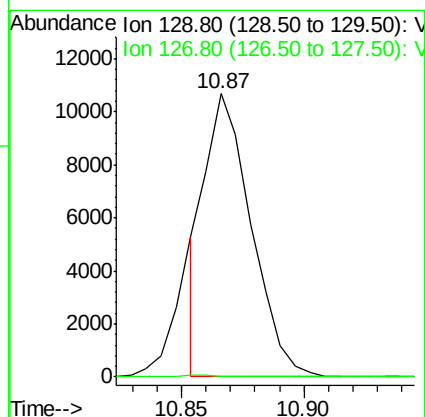
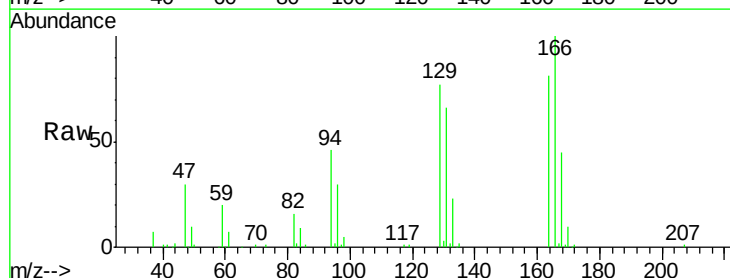
Acq: 15 May 2018 03:06

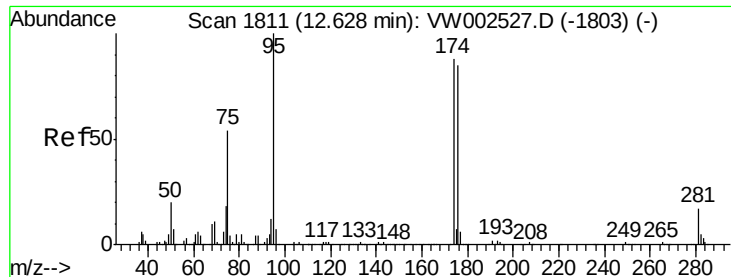
Tgt Ion: 129 Resp: 13994

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.7#

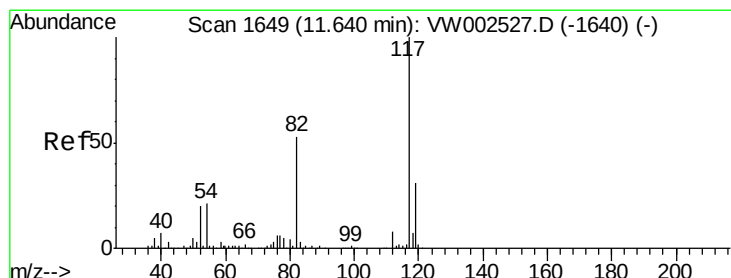
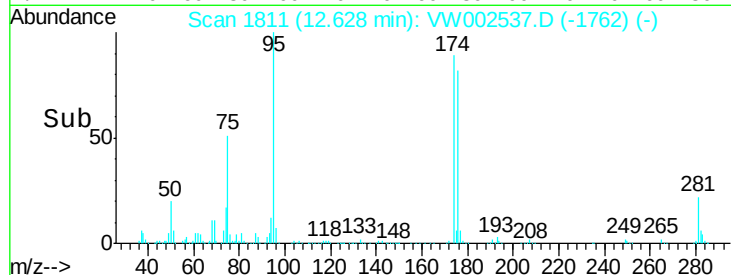
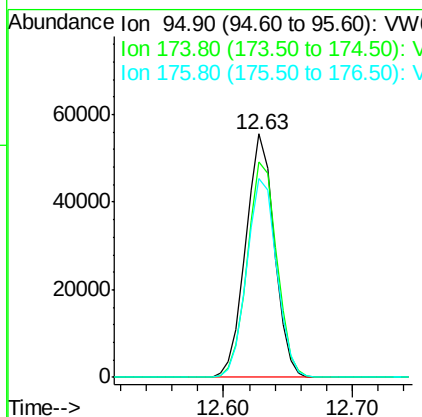
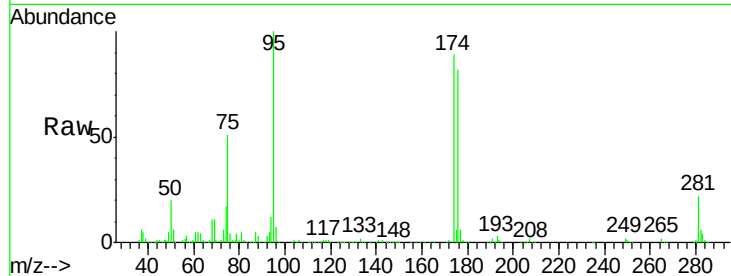




#62
4-Bromofluorobenzene
Concen: 39.79 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW002537.D
Acq: 15 May 2018 03:06

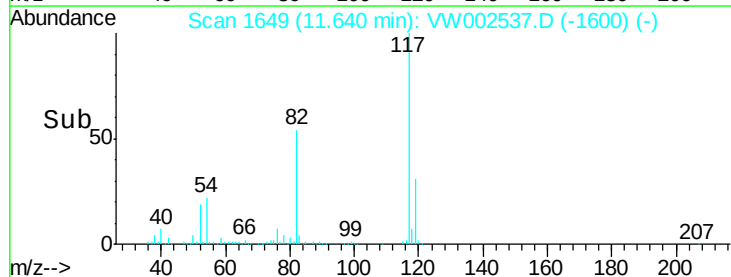
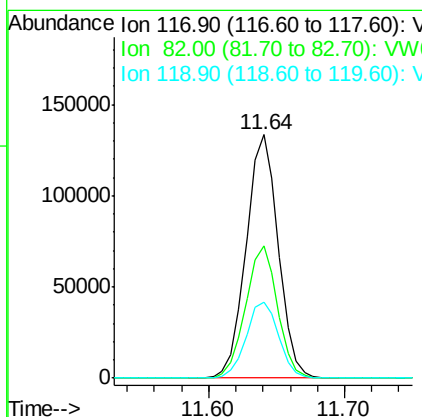
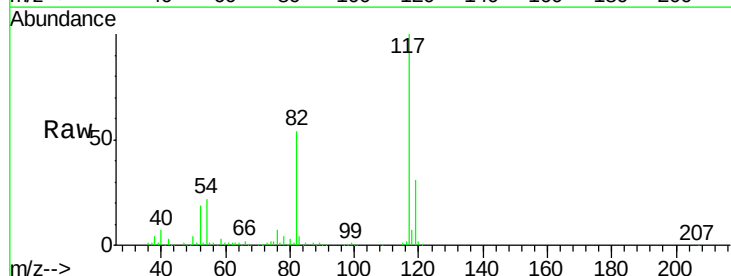
Instrument :
MSVOA_W
ClientSampled :
SB-17(5.5-6)

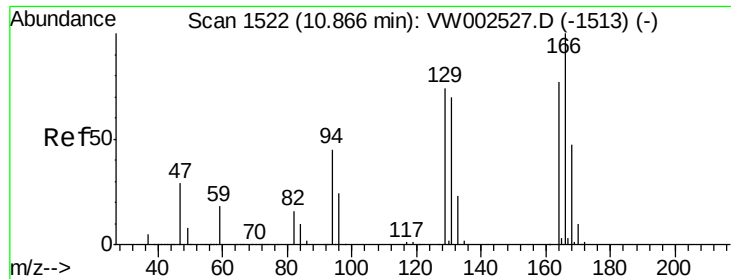
Tgt Ion: 95 Resp: 84828
Ion Ratio Lower Upper
95 100
174 91.7 0.0 176.6
176 85.5 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002537.D
Acq: 15 May 2018 03:06

Tgt Ion: 117 Resp: 219977
Ion Ratio Lower Upper
117 100
82 54.3 42.6 64.0
119 31.2 25.0 37.6





#64

Tetrachloroethene

Concen: 12.23 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. -0.00 min

Lab File: VW002537.D

Acq: 15 May 2018 03:06

Instrument :

MSVOA_W

ClientSampleId :

SB-17(5.5-6)

Tgt Ion:164 Resp: 18962

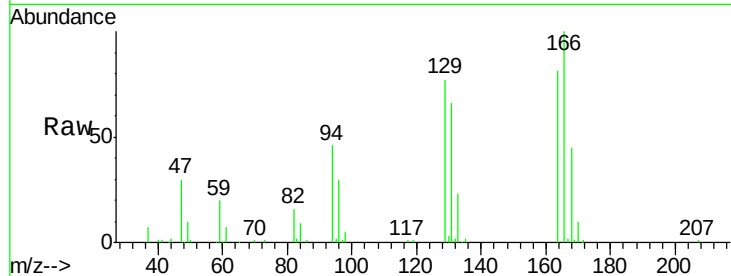
Ion Ratio Lower Upper

164 100

166 124.2 104.2 156.2

129 95.5 77.0 115.4

131 82.3 73.1 109.7

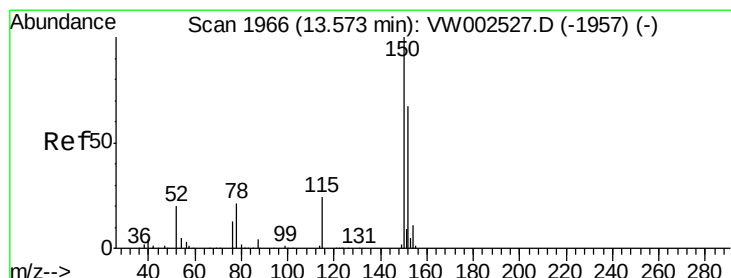
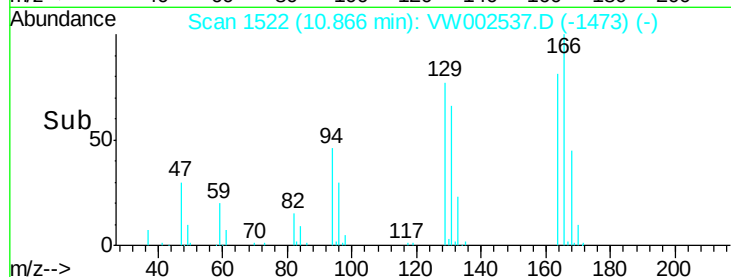
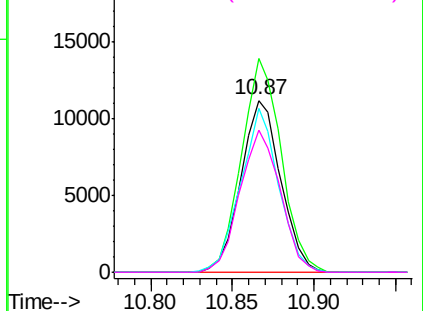


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. -0.00 min

Lab File: VW002537.D

Acq: 15 May 2018 03:06

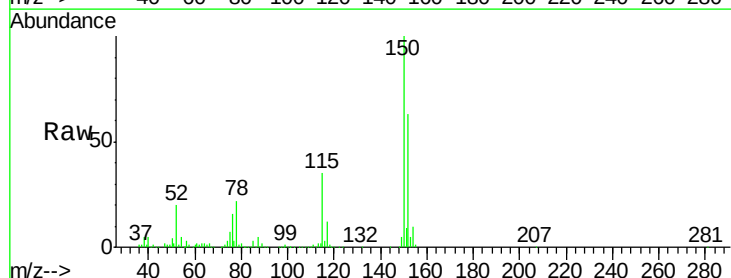
Tgt Ion:152 Resp: 107544

Ion Ratio Lower Upper

152 100

115 55.6 28.0 84.0

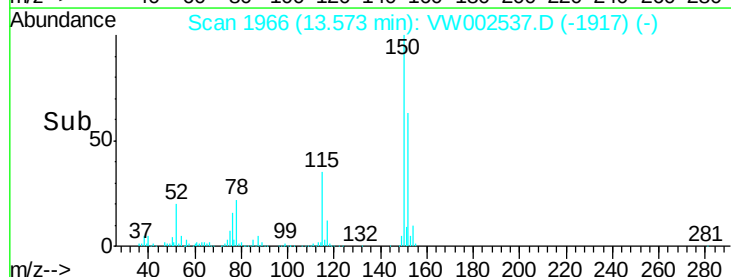
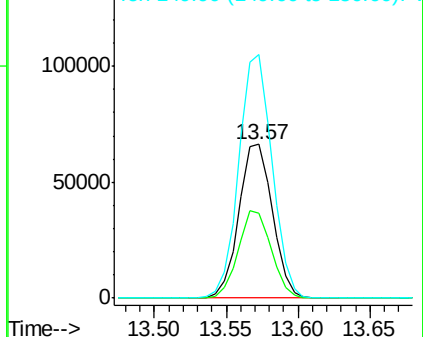
150 156.5 0.0 345.4

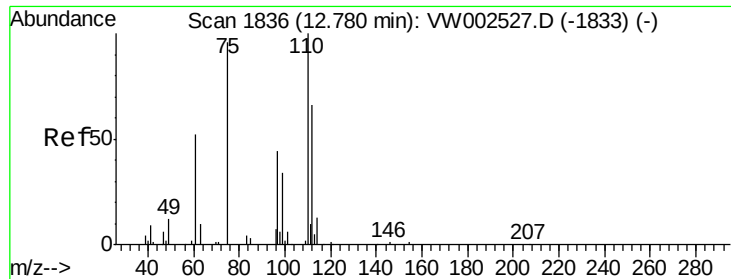


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 43.11 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002537.D

Acq: 15 May 2018 03:06

Instrument :

MSVOA_W

ClientSampleId :

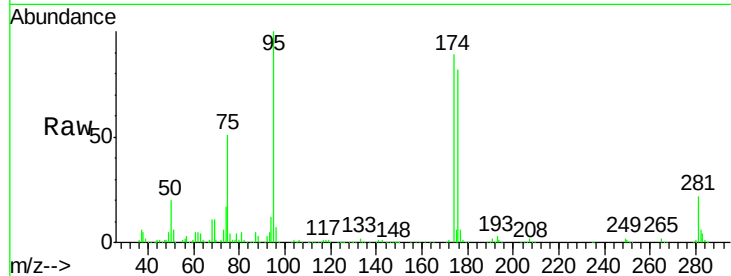
SB-17(5.5-6)

Tgt Ion: 75 Resp: 43829

Ion Ratio Lower Upper

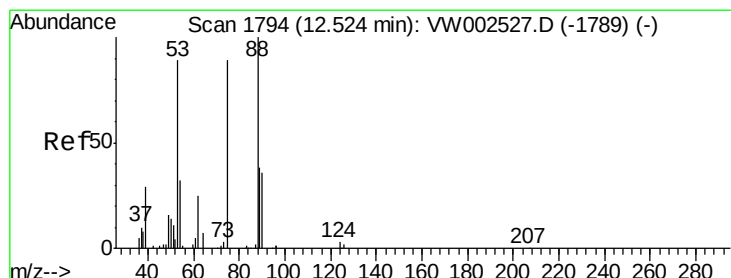
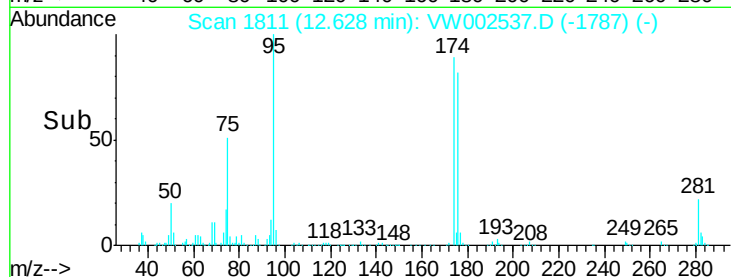
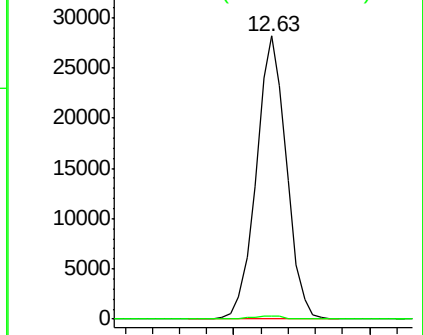
75 100

77 1.0 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: 117.55 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002537.D

Acq: 15 May 2018 03:06

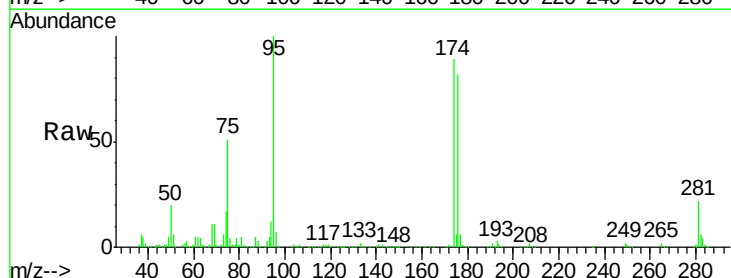
Tgt Ion: 75 Resp: 43829

Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.7 39.2 58.8#



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

