

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012119\
 Data File : VW008374.D
 Acq On : 21 Jan 2019 14:46
 Operator : SY/VA
 Sample : K1205-05
 Misc : 6.54G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C-5

Quant Time: Jan 22 03:41:21 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	89911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	169831	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	157927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	74254	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	61190	65.42	ug/l	0.00
Spiked Amount			Recovery	=	130.84%	
35) Dibromofluoromethane	7.88	113	56201	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
50) Toluene-d8	10.32	98	219470	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
62) 4-Bromofluorobenzene	12.62	95	72021	47.15	ug/l	0.00
Spiked Amount			Recovery	=	94.30%	

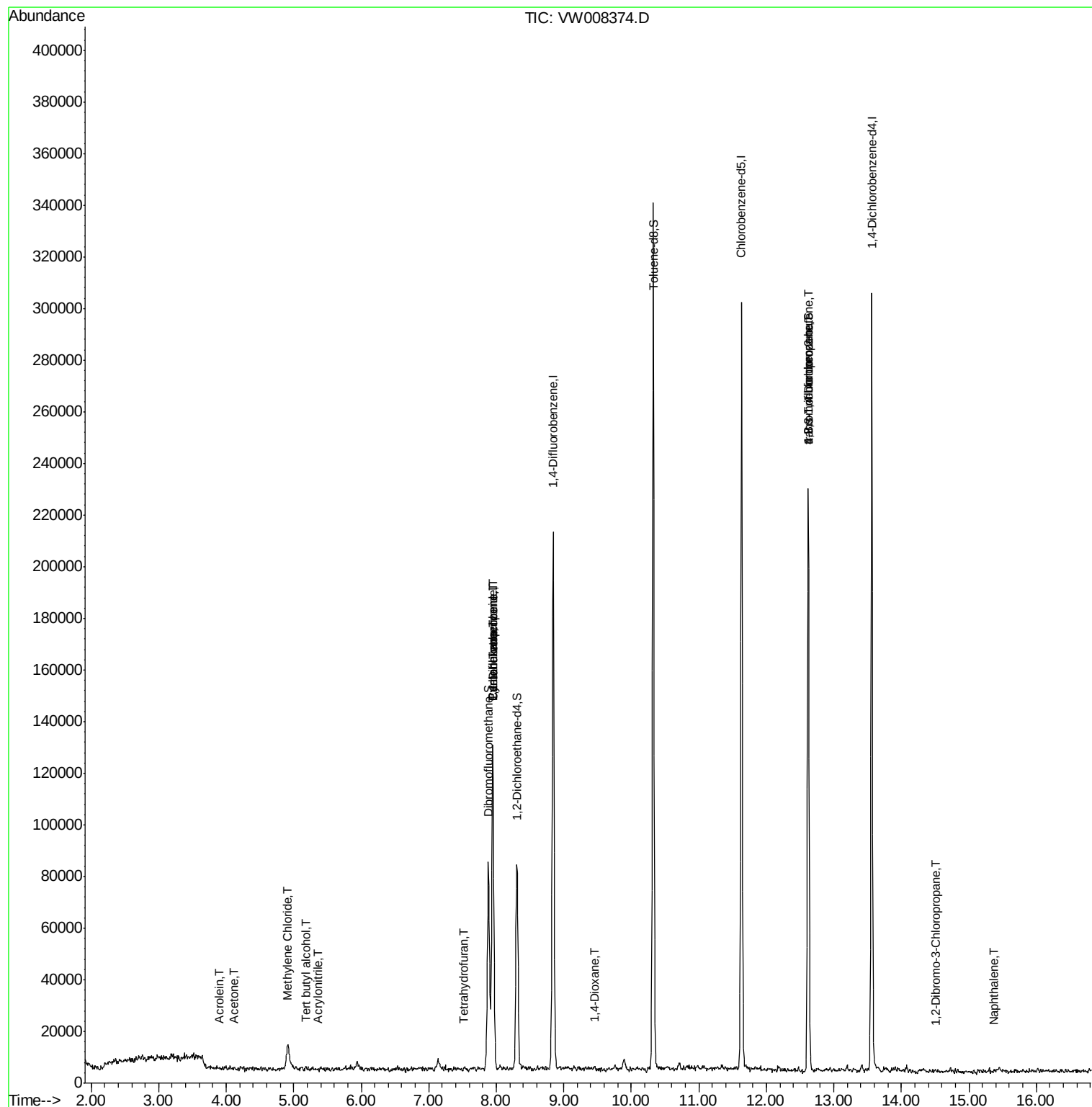
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	133	2.112	ug/l #	6
13) Acrolein	3.89	56	100	9.256	ug/l #	1
15) Acrylonitrile	5.37	53	221	1.065	ug/l #	30
16) Acetone	4.10	43	313	1.441	ug/l #	1
20) Methylene Chloride	4.90	84	8040	4.767	ug/l	97
29) Tetrahydrofuran	7.52	42	262	1.511	ug/l #	68
31) Cyclohexane	7.95	56	2660	1.523	ug/l #	6
36) 1,1-Dichloropropene	7.95	75	7948	4.652	ug/l #	53
38) Carbon Tetrachloride	7.95	117	9772	5.792	ug/l #	19
49) 1,4-Dioxane	9.45	88	174	17.250	ug/l #	44
76) 1,2,3-Trichloropropane	12.62	75	37422	55.342	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	37422	132.069	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.52	75	153	1.017	ug/l #	19
95) Naphthalene	15.37	128	232	2.407	ug/l #	12

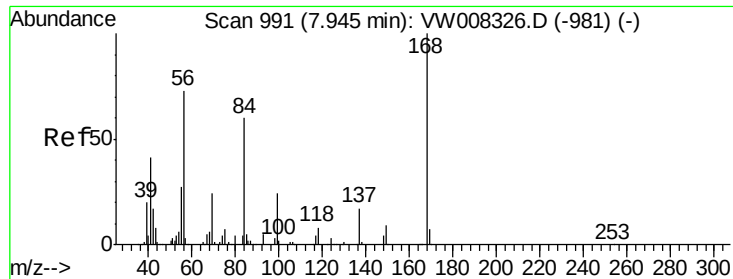
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW012119\
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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: VW008374.D

Acq: 21 Jan 2019 14:46

Instrument :

MSVOA_W

ClientSampled :

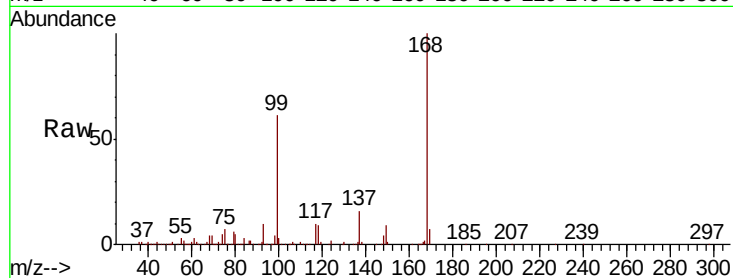
C-5

Tgt Ion:168 Resp: 89911

Ion Ratio Lower Upper

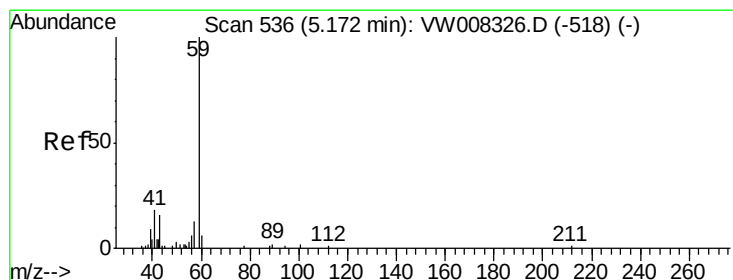
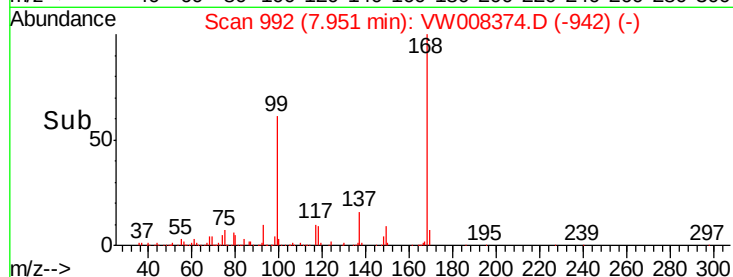
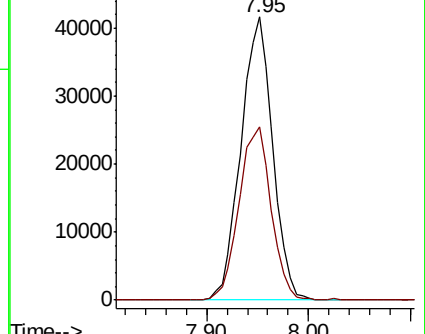
168 100

99 61.1 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: 2.112 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW008374.D

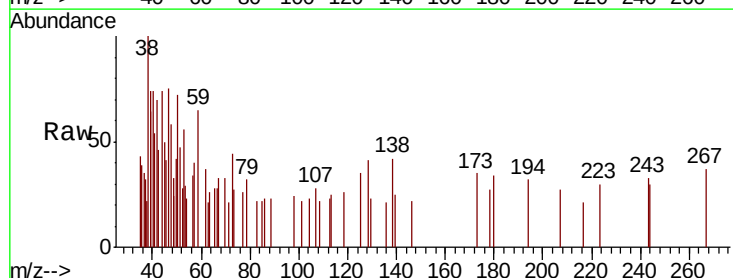
Acq: 21 Jan 2019 14:46

Tgt Ion: 59 Resp: 133

Ion Ratio Lower Upper

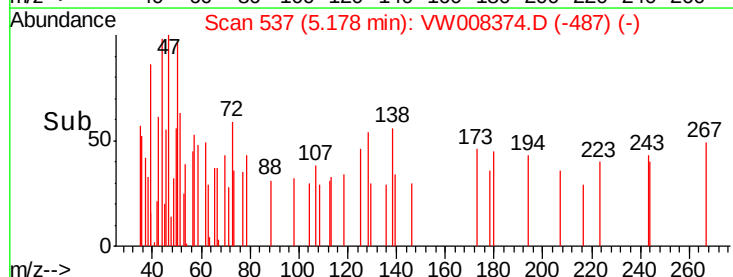
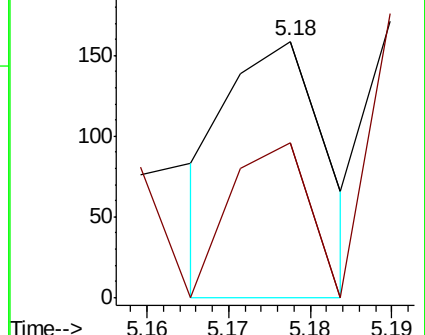
59 100

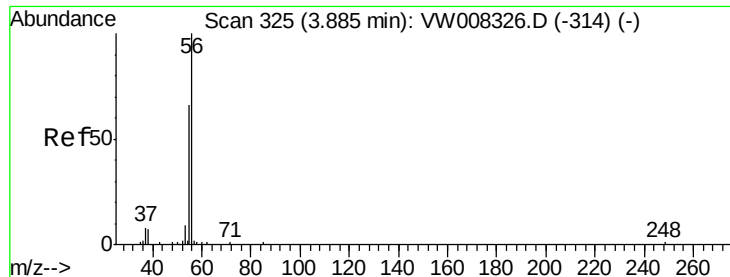
57 48.1 9.4 14.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 9.256 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008374.D

Acq: 21 Jan 2019 14:46

Instrument :

MSVOA_W

ClientSampled :

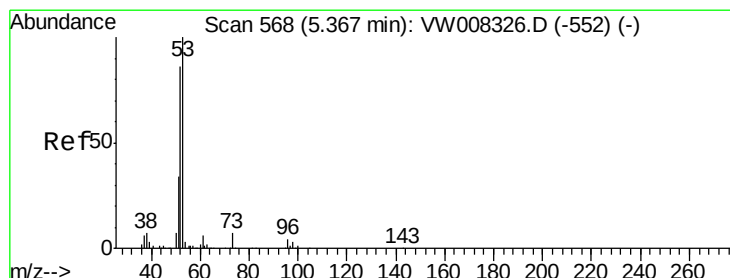
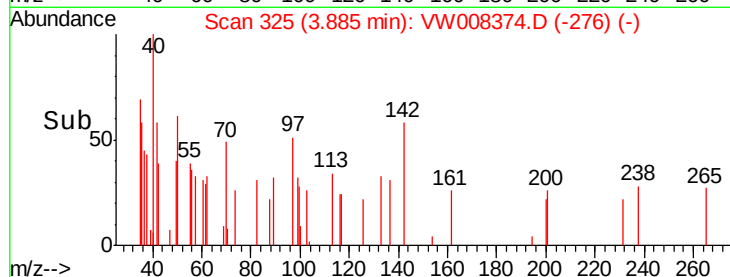
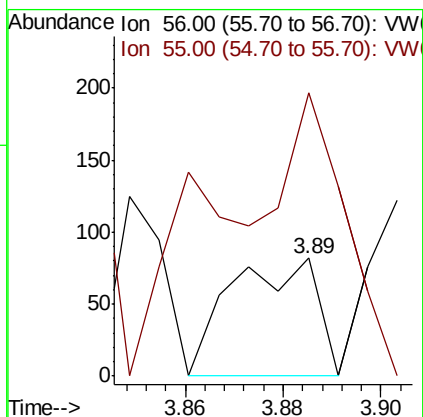
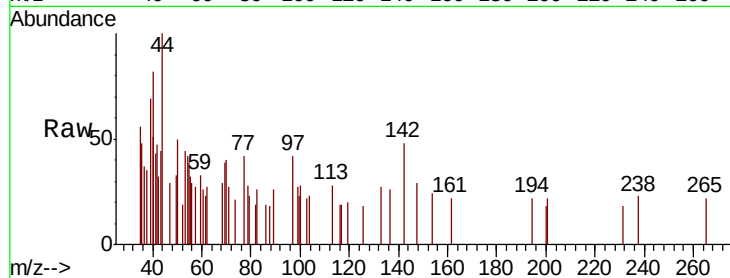
C-5

Tgt Ion: 56 Resp: 100

Ion Ratio Lower Upper

56 100

55 185.0 52.9 79.3#



#15

Acrylonitrile

Concen: 1.065 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW008374.D

Acq: 21 Jan 2019 14:46

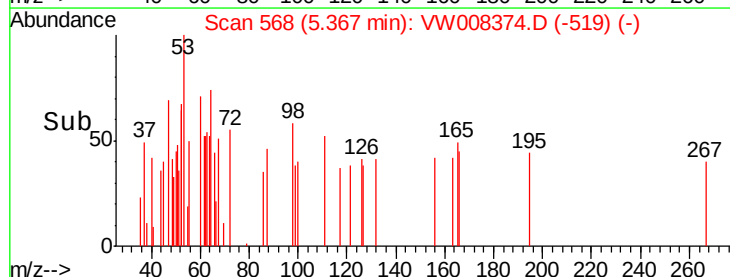
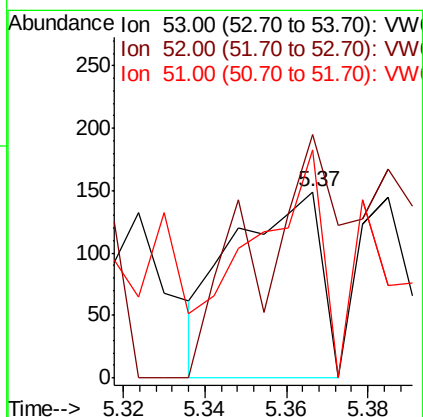
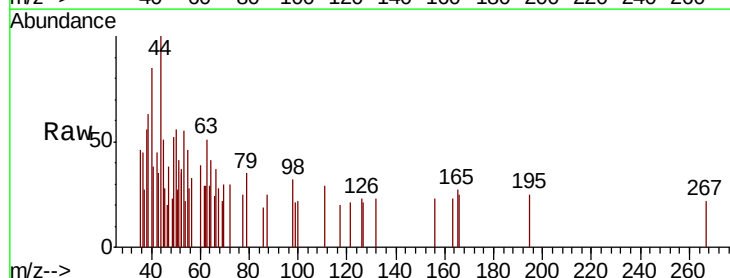
Tgt Ion: 53 Resp: 221

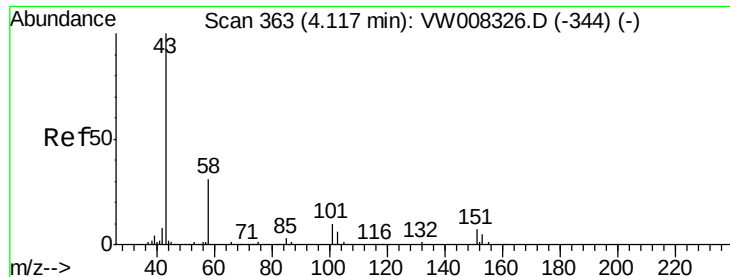
Ion Ratio Lower Upper

53 100

52 140.7 66.4 99.6#

51 86.9 29.6 44.4#

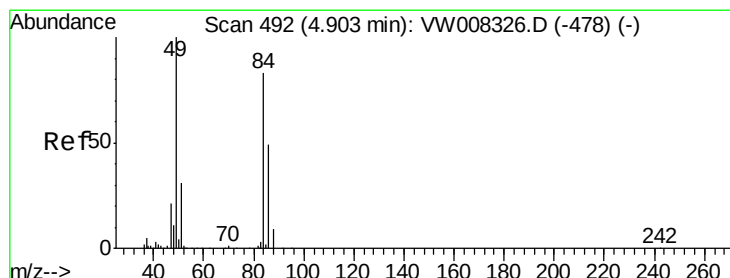
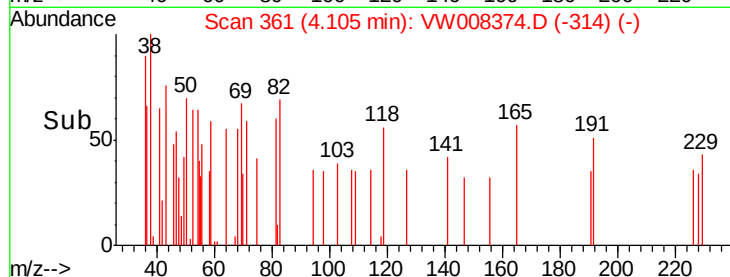
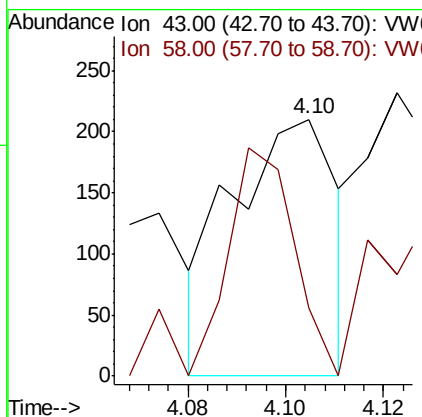
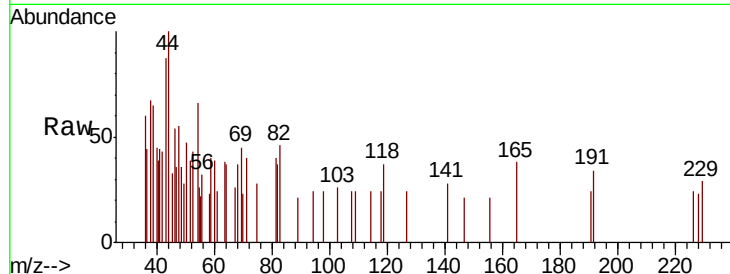




#16
Acetone
Concen: 1.441 ug/l
RT: 4.10 min Scan# 361
Delta R.T. -0.01 min
Lab File: VW008374.D
Acq: 21 Jan 2019 14:46

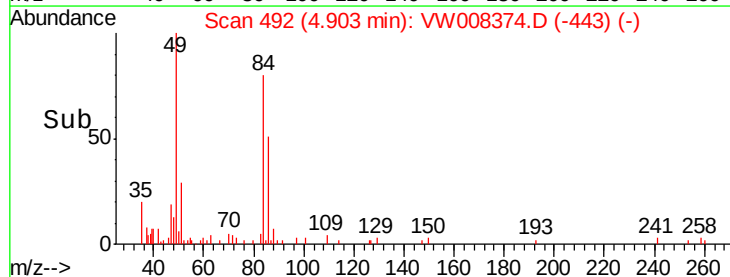
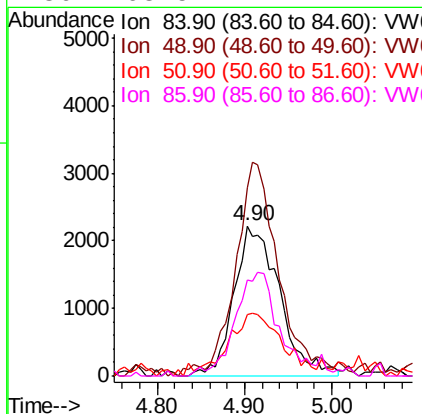
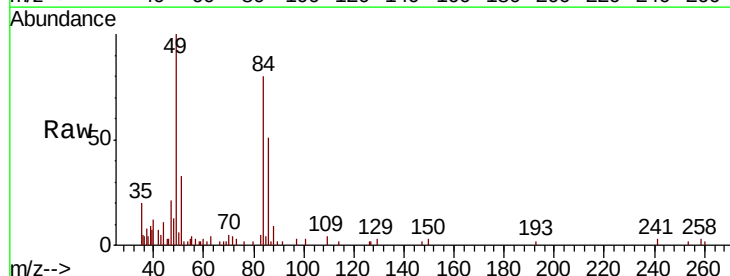
Instrument :
MSVOA_W
ClientSampled :
C-5

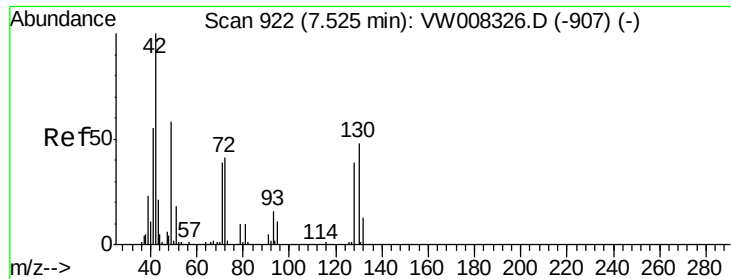
Tgt Ion: 43 Resp: 313
Ion Ratio Lower Upper
43 100
58 122.6 24.7 37.1#



#20
Methylene Chloride
Concen: 4.767 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW008374.D
Acq: 21 Jan 2019 14:46

Tgt Ion: 84 Resp: 8040
Ion Ratio Lower Upper
84 100
49 120.7 95.9 143.9
51 32.7 29.3 43.9
86 63.5 47.4 71.2





#29

Tetrahydrofuran

Concen: 1.511 ug/l

RT: 7.52 min Scan# 921

Delta R.T. -0.01 min

Lab File: VW008374.D

Acq: 21 Jan 2019 14:46

Instrument :

MSVOA_W

ClientSampled :

C-5

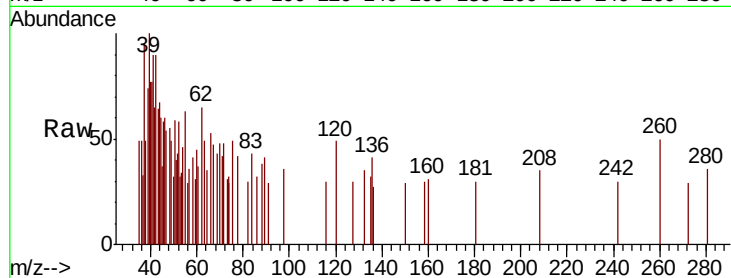
Tgt Ion: 42 Resp: 262

Ion Ratio Lower Upper

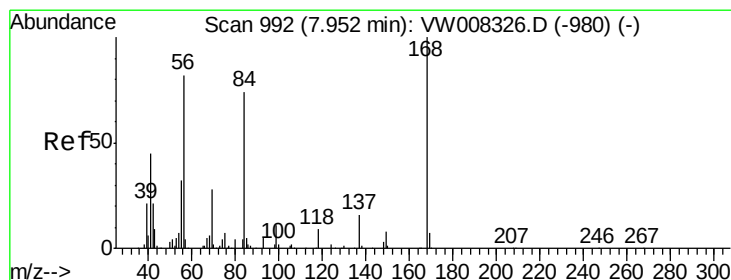
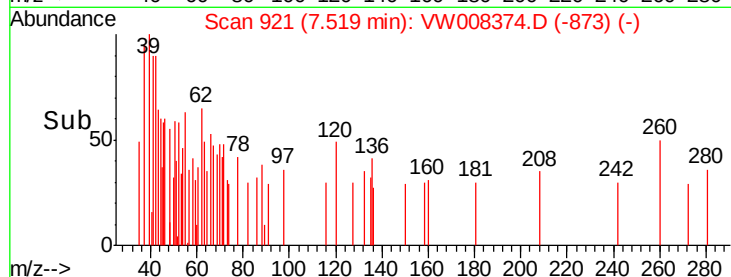
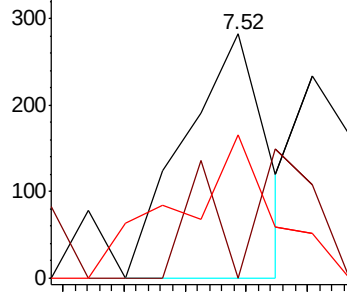
42 100

72 55.0 34.0 51.0#

71 67.9 32.0 48.0#



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



#31

Cyclohexane

Concen: 1.523 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008374.D

Acq: 21 Jan 2019 14:46

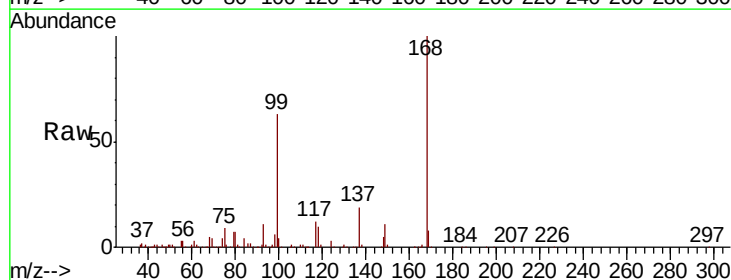
Tgt Ion: 56 Resp: 2660

Ion Ratio Lower Upper

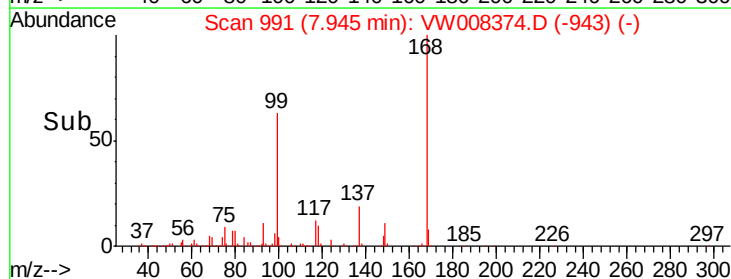
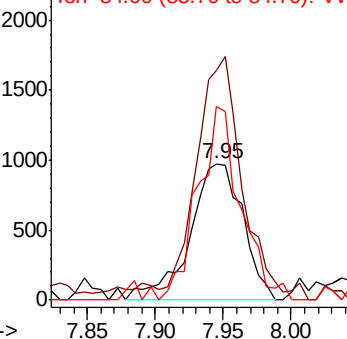
56 100

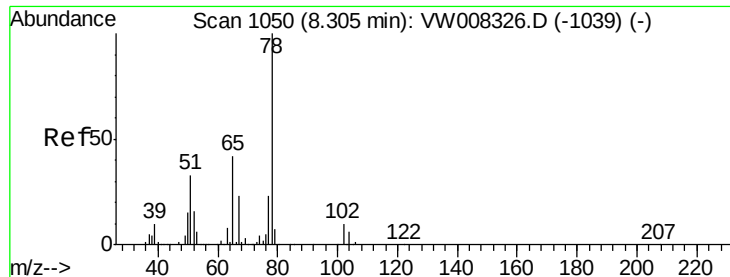
69 160.3 27.0 40.6#

84 135.2 72.5 108.7#



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

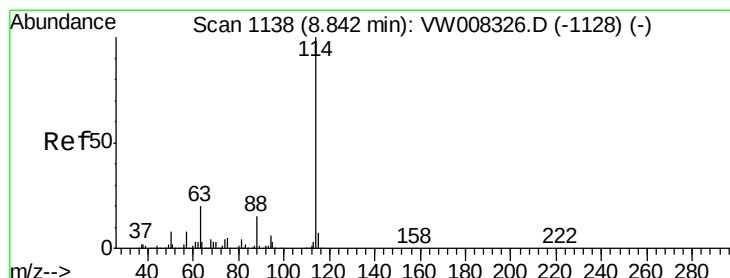
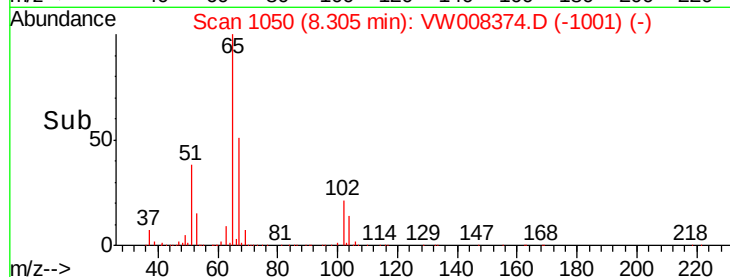
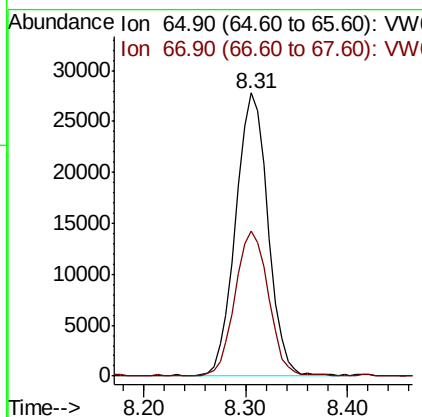
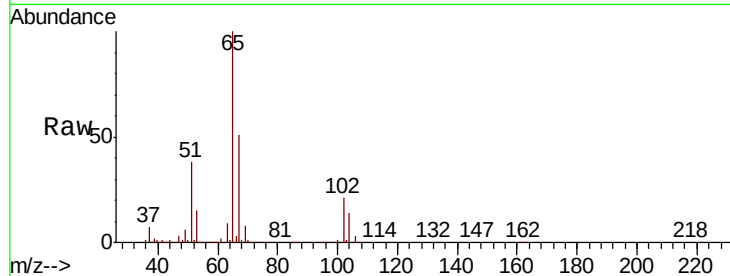




#33
 1,2-Dichloroethane-d4
 Concen: 65.424 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008374.D
 Acq: 21 Jan 2019 14:46

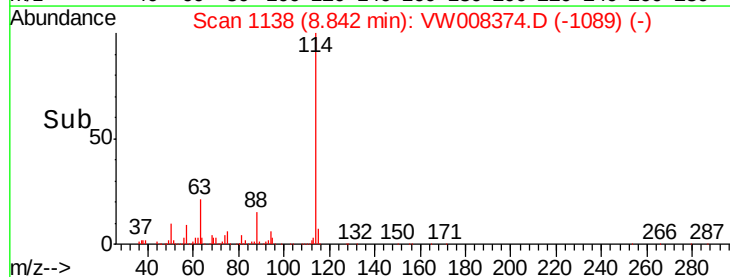
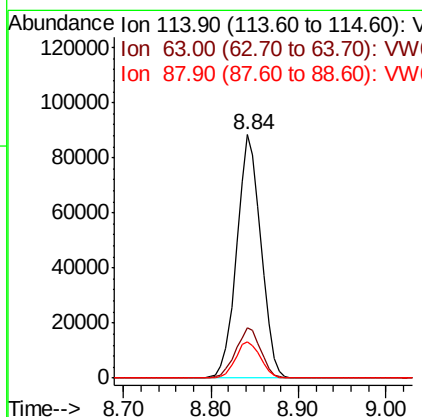
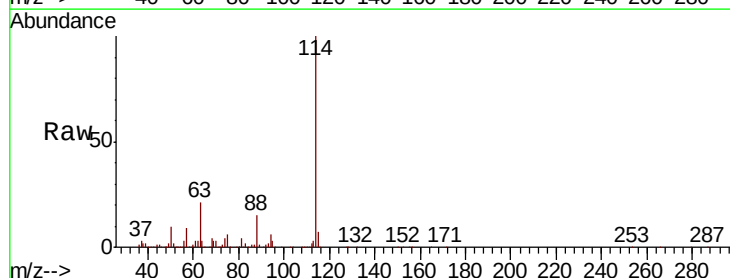
Instrument :
 MSVOA_W
 ClientSampleId :
 C-5

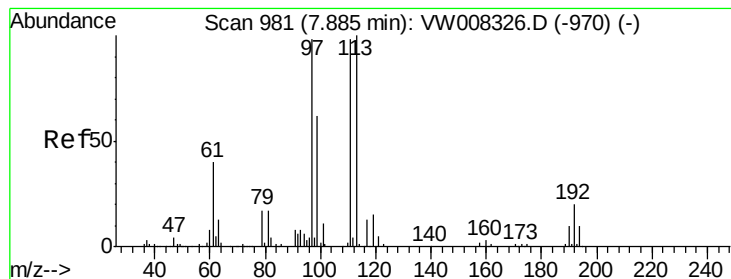
Tgt Ion: 65 Resp: 61190
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008374.D
 Acq: 21 Jan 2019 14:46

Tgt Ion: 114 Resp: 169831
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.8
 88 15.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.842 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008374.D

Acq: 21 Jan 2019 14:46

Instrument :

MSVOA_W

ClientSampleId :

C-5

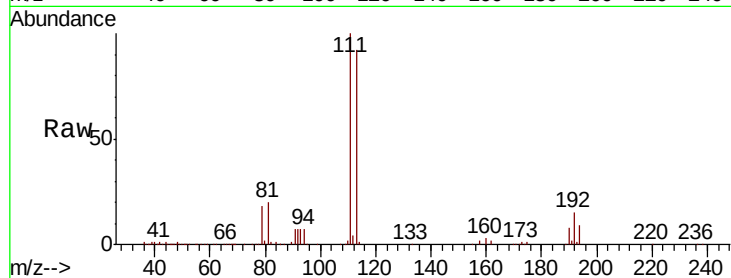
Tgt Ion:113 Resp: 56201

Ion Ratio Lower Upper

113 100

111 103.8 81.8 122.8

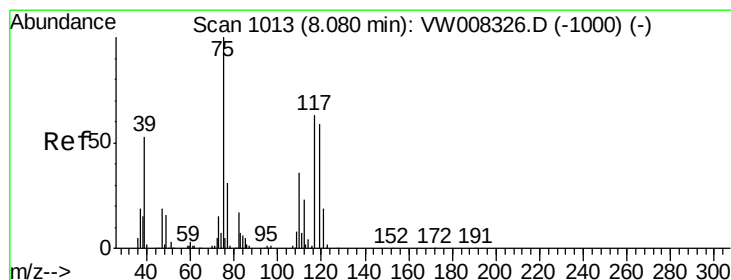
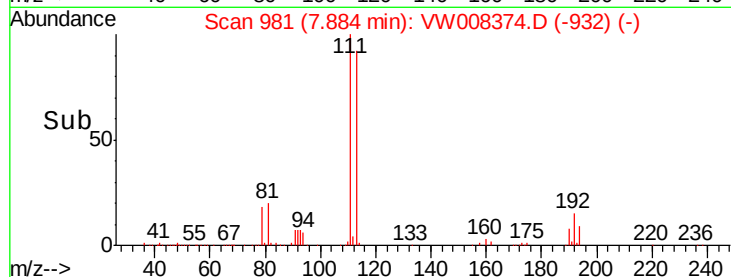
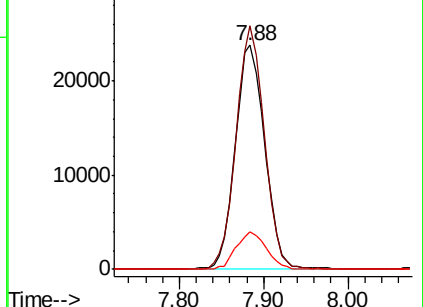
192 17.0 16.3 24.5



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: 4.652 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008374.D

Acq: 21 Jan 2019 14:46

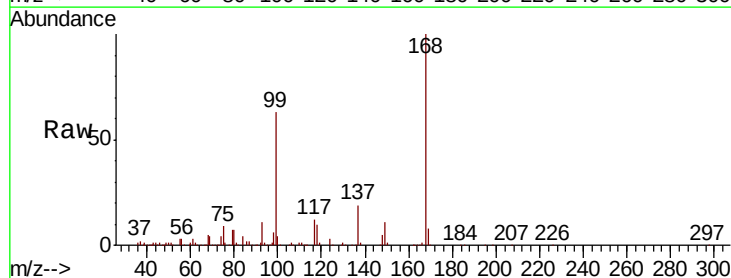
Tgt Ion: 75 Resp: 7948

Ion Ratio Lower Upper

75 100

110 11.5 17.5 52.6#

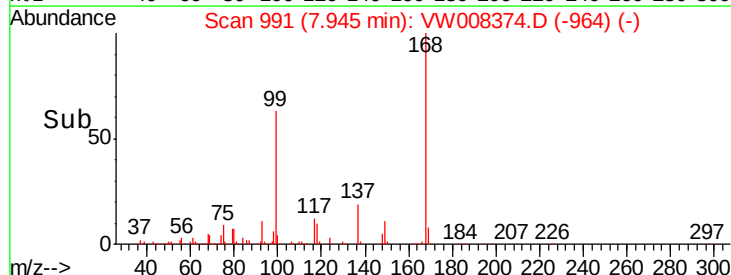
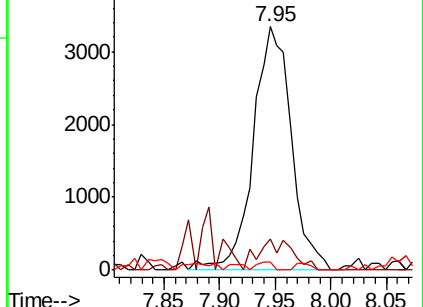
77 1.3 25.0 37.6#

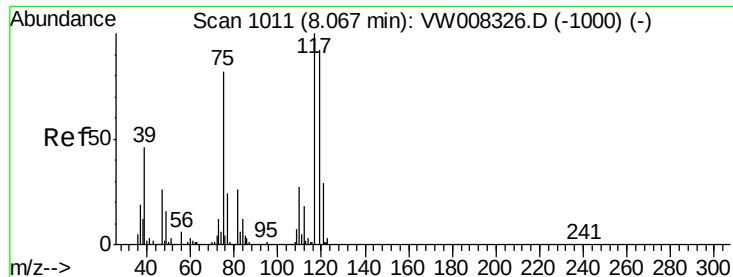


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

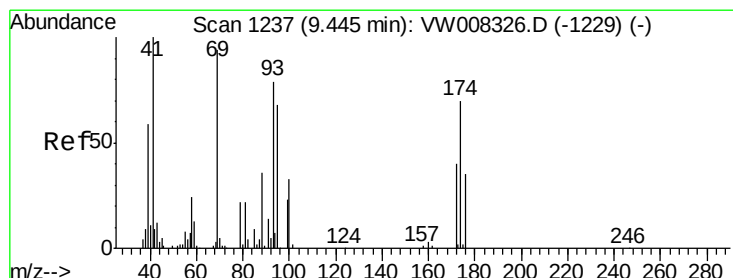
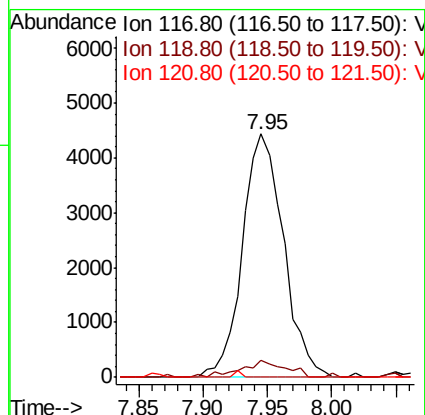
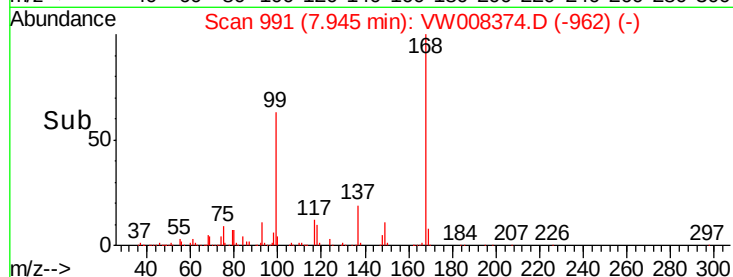
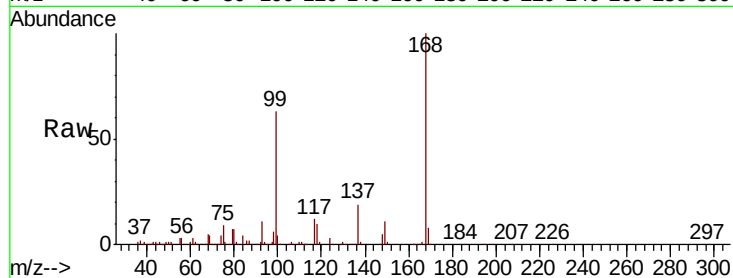




#38
Carbon Tetrachloride
Concen: 5.792 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008374.D
Acq: 21 Jan 2019 14:46

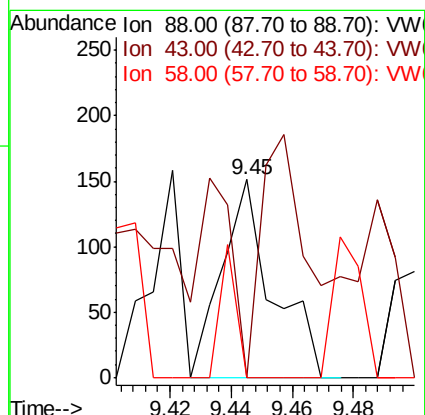
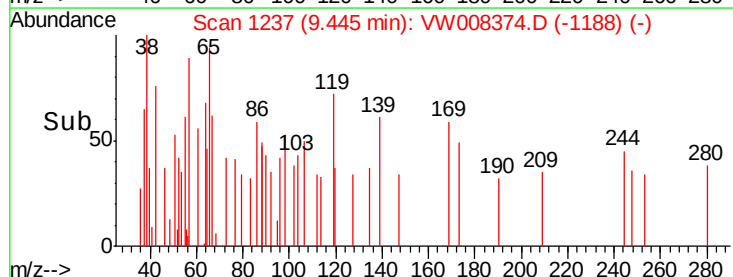
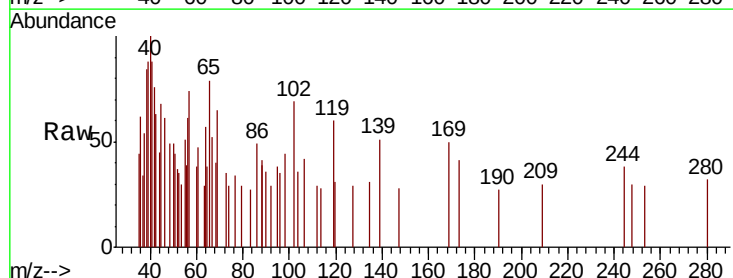
Instrument :
MSVOA_W
ClientSampleId :
C-5

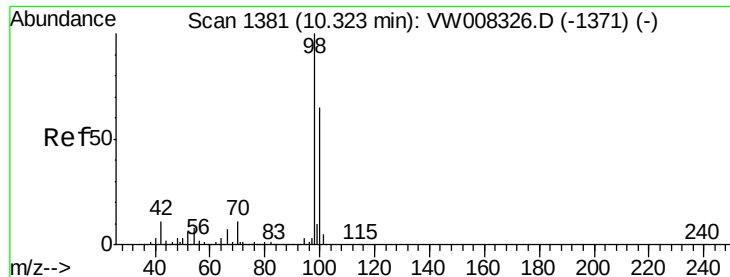
Tgt Ion: 117 Resp: 9772
Ion Ratio Lower Upper
117 100
119 7.1 73.8 110.6#
121 0.0 23.4 35.0#



#49
1,4-Dioxane
Concen: 17.250 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW008374.D
Acq: 21 Jan 2019 14:46

Tgt Ion: 88 Resp: 174
Ion Ratio Lower Upper
88 100
43 59.8 27.1 40.7#
58 21.3 57.9 86.9#





#50

Toluene-d8

Concen: 51.532 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008374.D

Acq: 21 Jan 2019 14:46

Instrument :

MSVOA_W

ClientSampled :

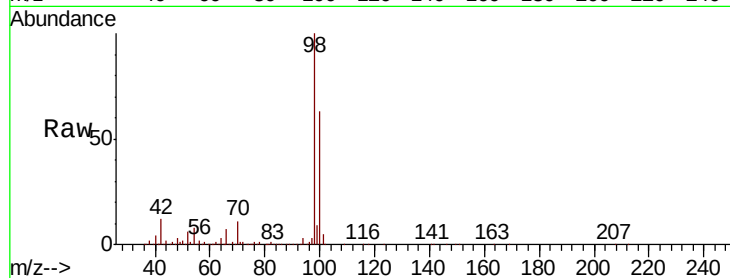
C-5

Tgt Ion: 98 Resp: 219470

Ion Ratio Lower Upper

98 100

100 63.1 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

150000

100000

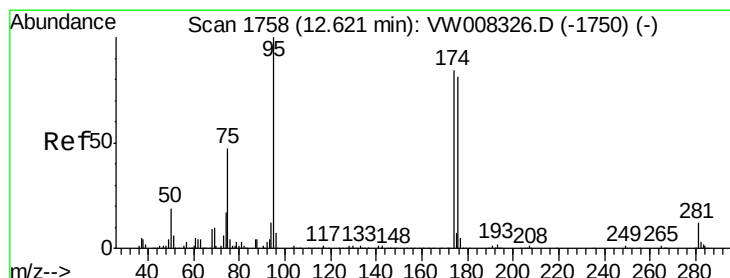
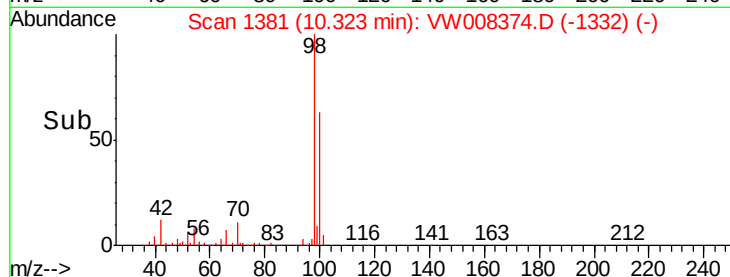
50000

0

10.32

10.40

Time-->



#62

4-Bromofluorobenzene

Concen: 47.151 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008374.D

Acq: 21 Jan 2019 14:46

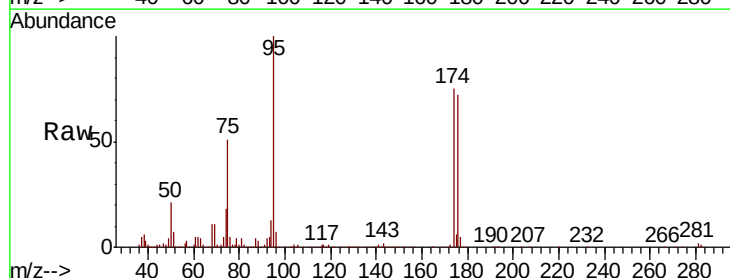
Tgt Ion: 95 Resp: 72021

Ion Ratio Lower Upper

95 100

174 76.6 0.0 166.0

176 72.3 0.0 160.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

60000

50000

40000

30000

20000

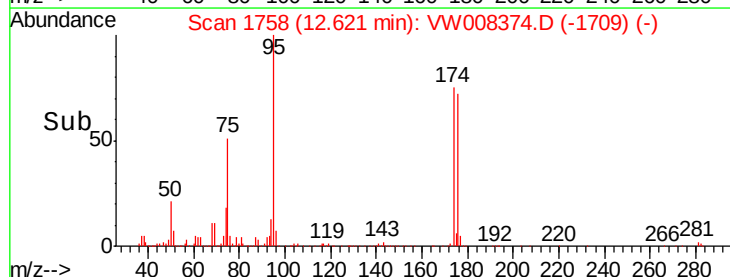
10000

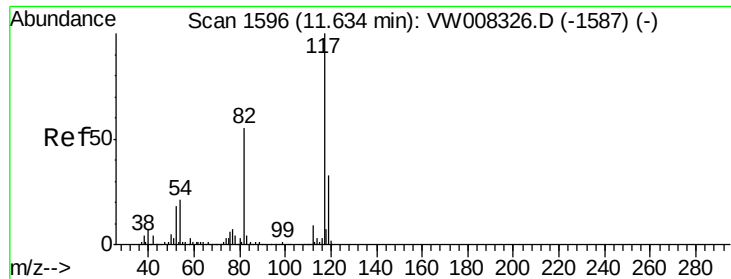
0

12.62

12.70

Time-->

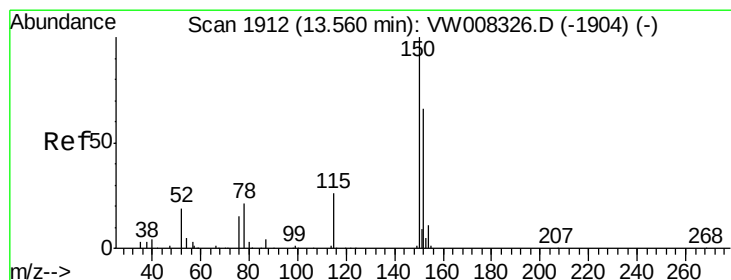
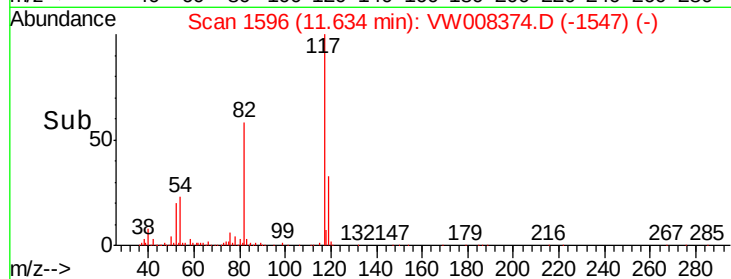
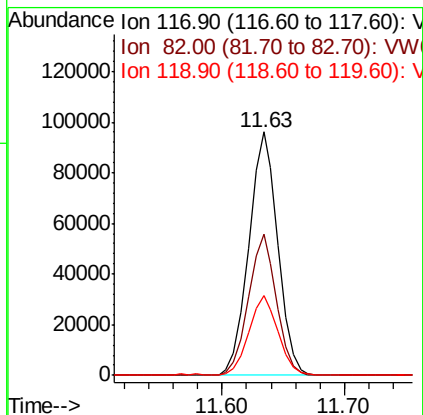
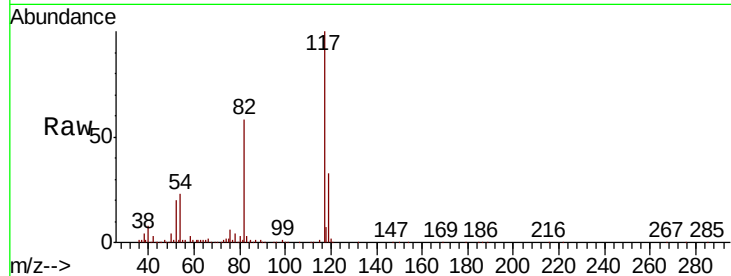




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008374.D
Acq: 21 Jan 2019 14:46

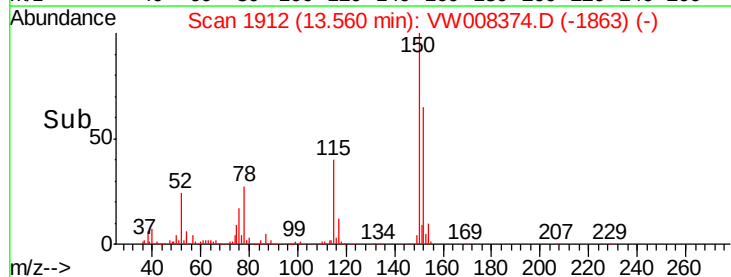
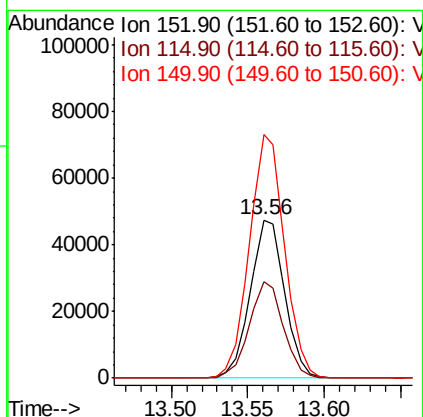
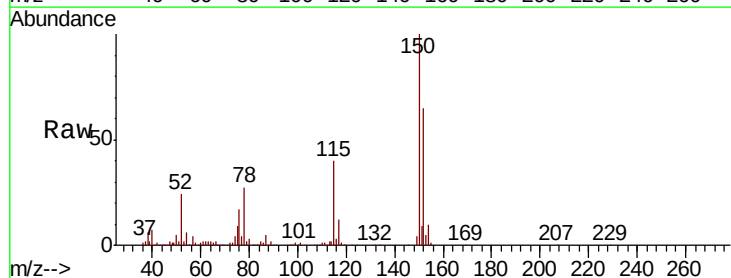
Instrument :
MSVOA_W
ClientSampleId :
C-5

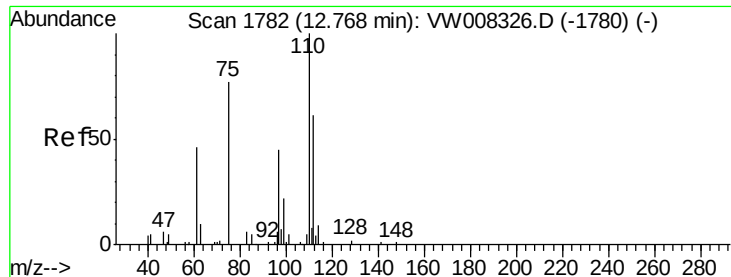
Tgt Ion:117 Resp: 157927
Ion Ratio Lower Upper
117 100
82 57.9 44.3 66.5
119 32.7 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008374.D
Acq: 21 Jan 2019 14:46

Tgt Ion:152 Resp: 74254
Ion Ratio Lower Upper
152 100
115 60.4 28.8 86.4
150 156.8 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 55.342 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008374.D

Acq: 21 Jan 2019 14:46

Instrument :

MSVOA_W

ClientSampled :

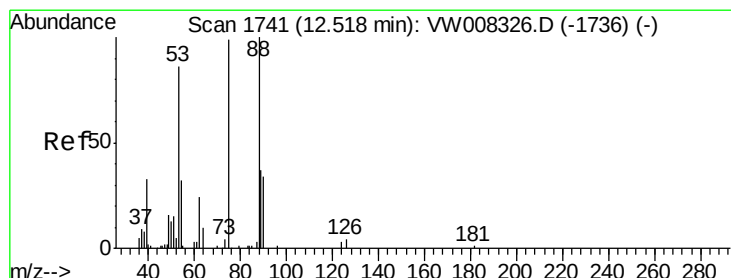
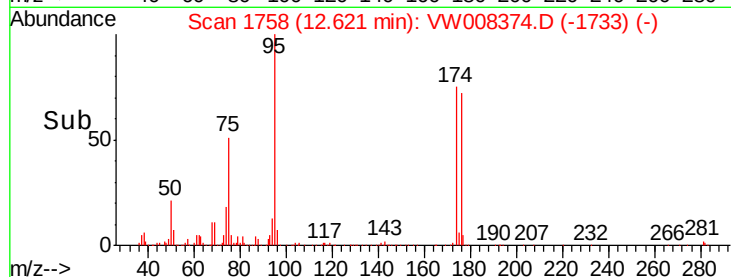
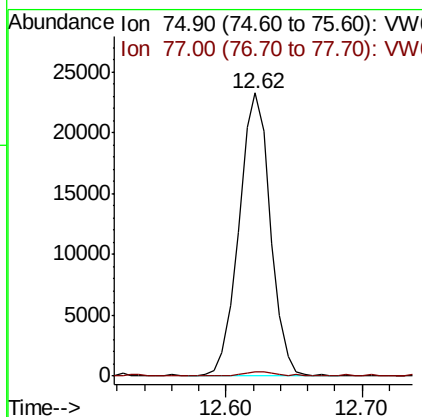
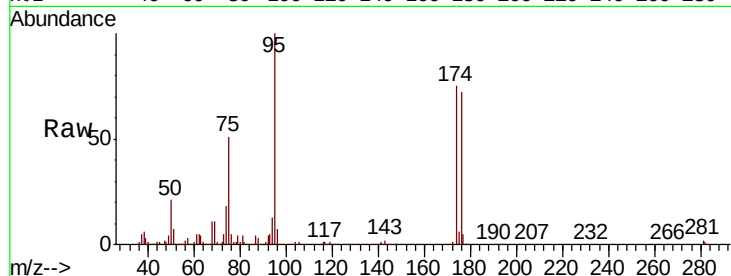
C-5

Tgt Ion: 75 Resp: 37422

Ion Ratio Lower Upper

75 100

77 1.6 175.3 526.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 132.069 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008374.D

Acq: 21 Jan 2019 14:46

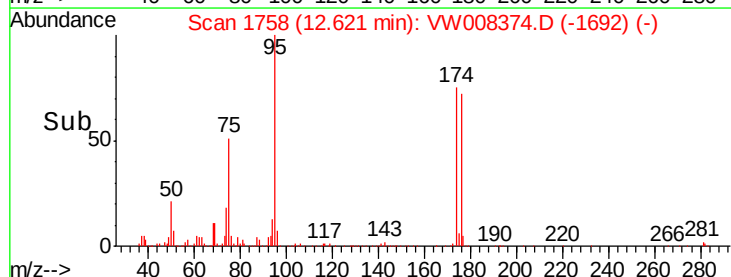
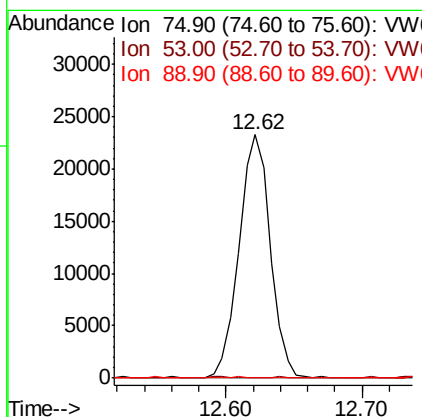
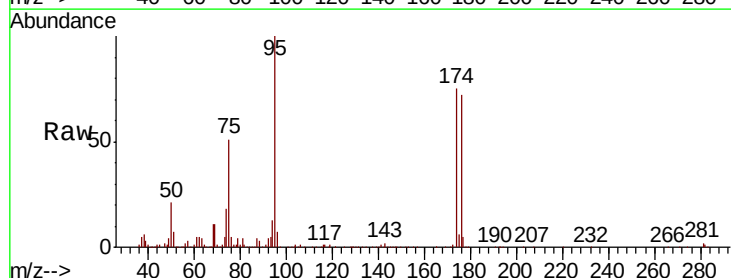
Tgt Ion: 75 Resp: 37422

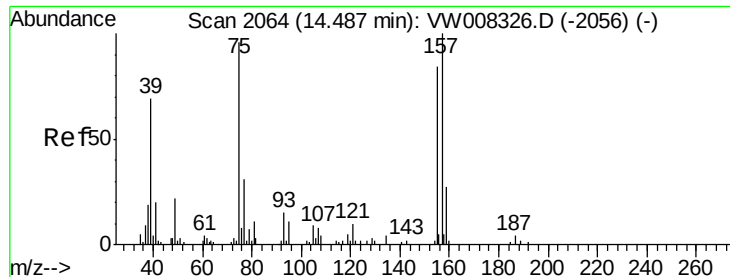
Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.4#

89 0.3 36.7 55.1#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.017 ug/l

RT: 14.52 min Scan# 2069

Delta R.T. 0.03 min

Lab File: VW008374.D

Acq: 21 Jan 2019 14:46

Instrument :

MSVOA_W

ClientSampled :

C-5

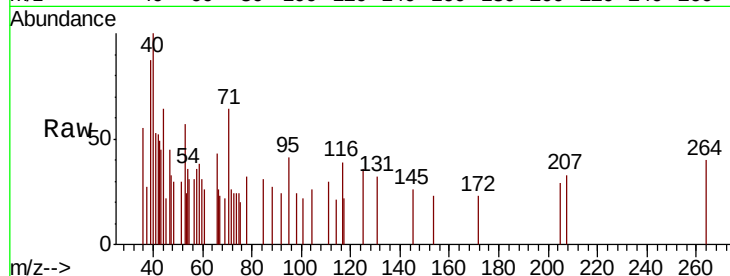
Tgt Ion: 75 Resp: 153

Ion Ratio Lower Upper

75 100

155 38.6 44.7 134.1#

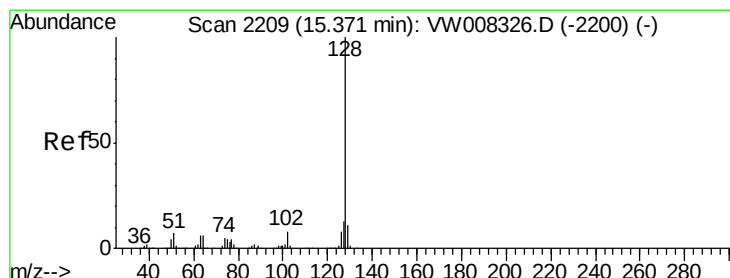
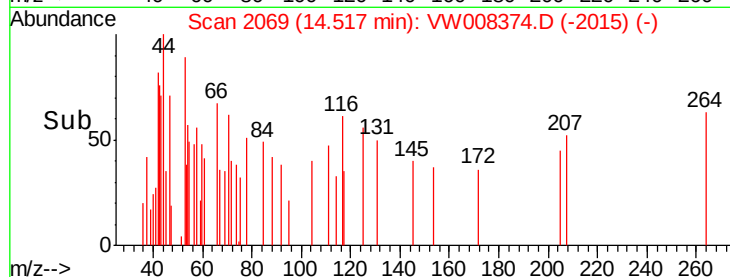
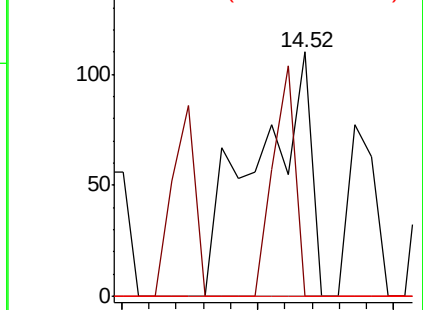
157 0.0 53.9 161.8#



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



#95

Naphthalene

Concen: 2.407 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008374.D

Acq: 21 Jan 2019 14:46

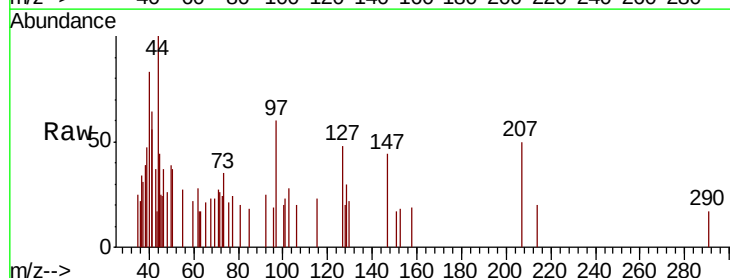
Tgt Ion:128 Resp: 232

Ion Ratio Lower Upper

128 100

127 77.6 10.5 15.7#

129 11.2 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

