

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
 Data File : VU025089.D
 Acq On : 30 Jun 2018 15:34
 Operator : MD/SY
 Sample : J3750-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ZER-GW-SB-03

Quant Time: Jul 02 05:38:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

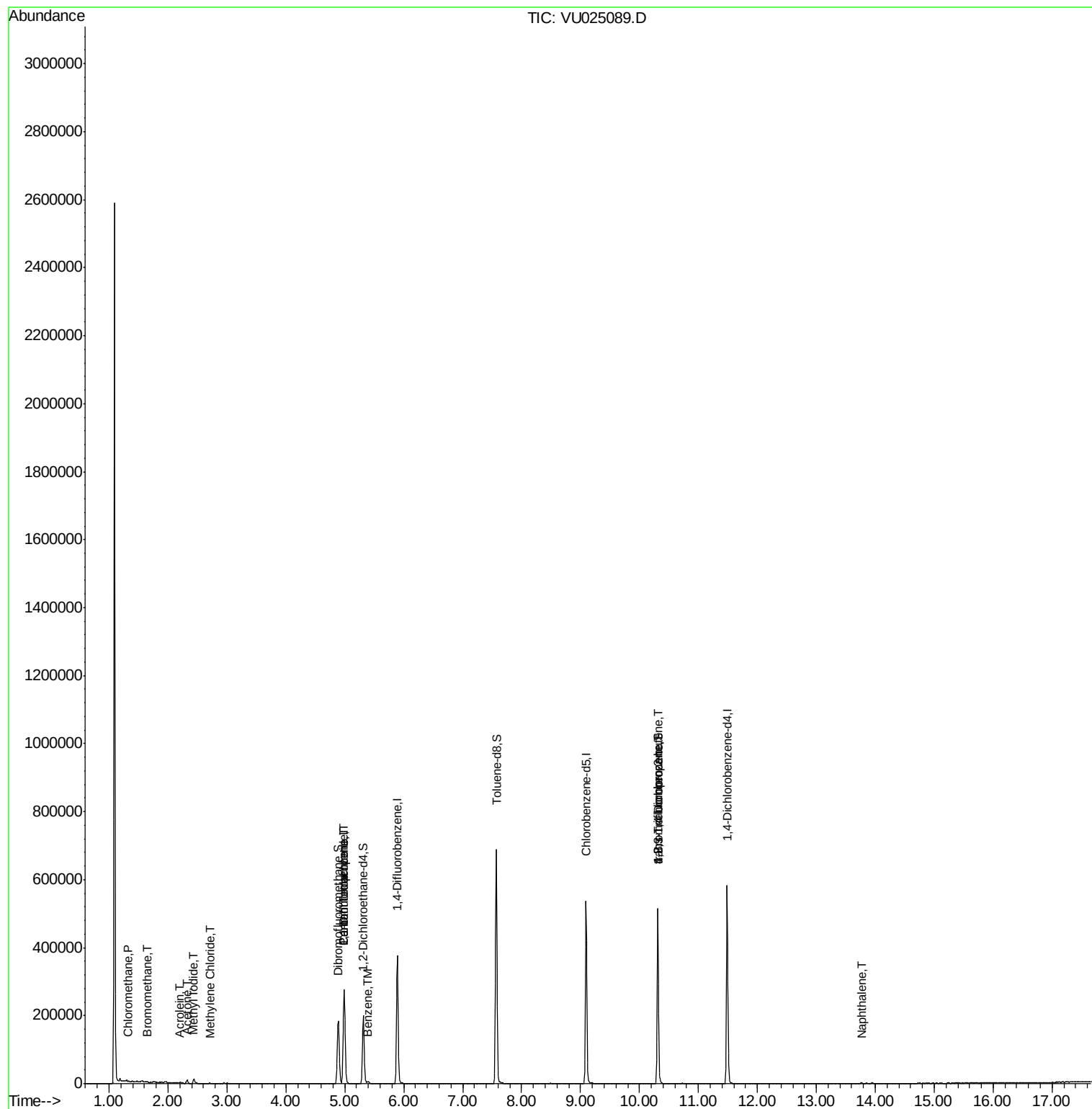
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	212790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	316913	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	297609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	154554	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	164034	47.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.44%	
35) Dibromofluoromethane	4.89	113	128280	48.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.54%	
50) Toluene-d8	7.57	98	458326	47.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.54%	
62) 4-Bromofluorobenzene	10.31	95	171785	45.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.20%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	965	0.355 ug/l		89
5) Bromomethane	1.64	94	591	0.436 ug/l		91
6) Chloroethane	1.71	64	65	Below Cal	#	43
10) Methyl Iodide	2.42	142	358	5.431 ug/l	#	60
13) Acrolein	2.19	56	196	0.442 ug/l		94
16) Acetone	2.32	43	12452	6.671 ug/l		94
20) Methylene Chloride	2.70	84	648	0.221 ug/l	#	73
31) Cyclohexane	4.99	56	4598	Below Cal	#	10
36) 1,1-Dichloropropene	4.99	75	16410	4.407 ug/l	#	51
38) Carbon Tetrachloride	4.99	117	21271	5.194 ug/l	#	16
40) Benzene	5.40	78	5111	0.482 ug/l		96
76) 1,2,3-Trichloropropane	10.31	75	89324	26.251 ug/l	#	35
81) trans-1,4-Dichloro-2-buten	10.31	75	89324	60.755 ug/l	#	100
95) Naphthalene	13.76	128	1072	0.772 ug/l	#	71

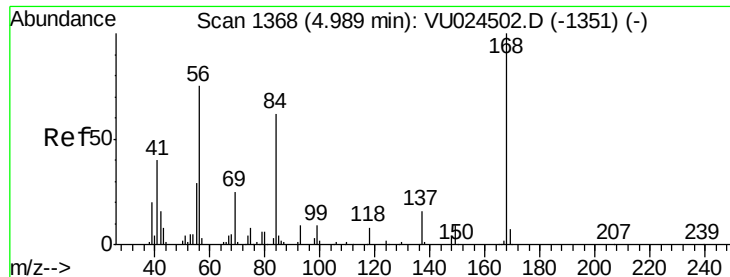
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025089.D

Acq: 30 Jun 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

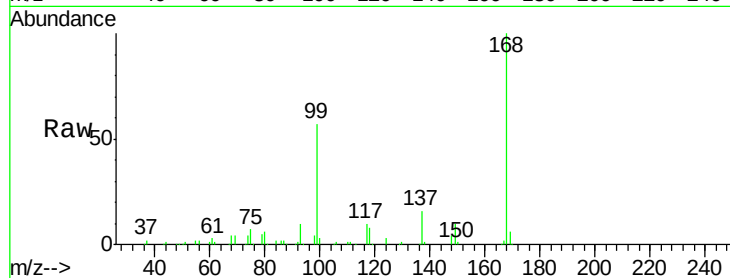
ZER-GW-SB-03

Tgt Ion:168 Resp: 212790

Ion Ratio Lower Upper

168 100

99 57.0 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

4.99

100000

80000

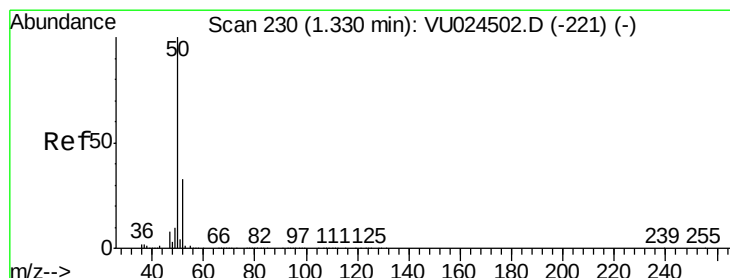
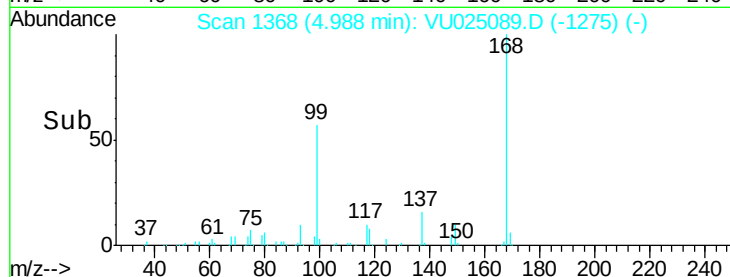
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.355 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025089.D

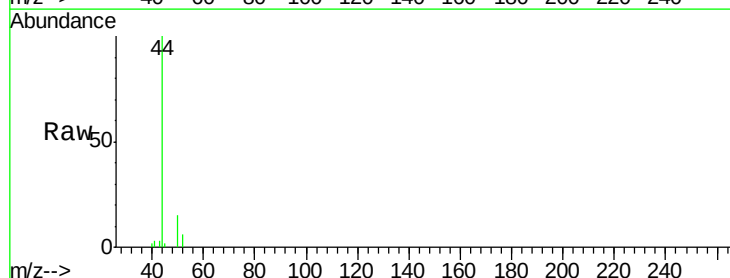
Acq: 30 Jun 2018 15:34

Tgt Ion: 50 Resp: 965

Ion Ratio Lower Upper

50 100

52 39.3 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)

1.33

1000

800

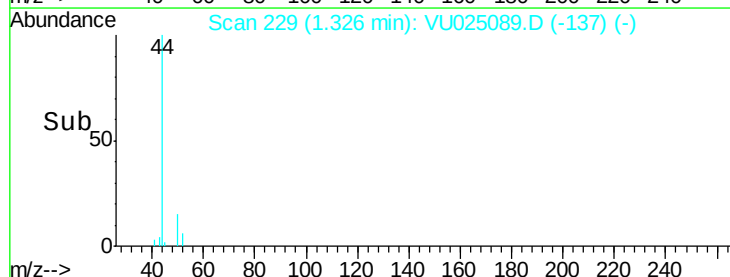
600

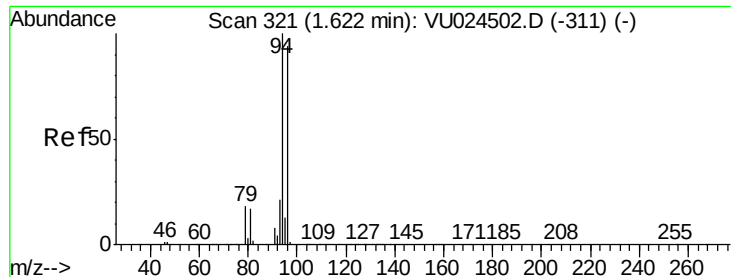
400

200

0

Time-->





#5

Bromomethane

Concen: 0.436 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU025089.D

Acq: 30 Jun 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

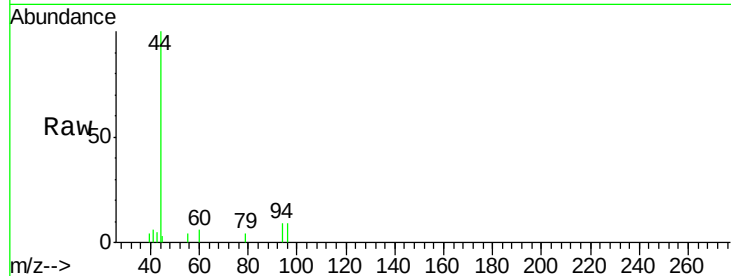
ZER-GW-SB-03

Tgt Ion: 94 Resp: 591

Ion Ratio Lower Upper

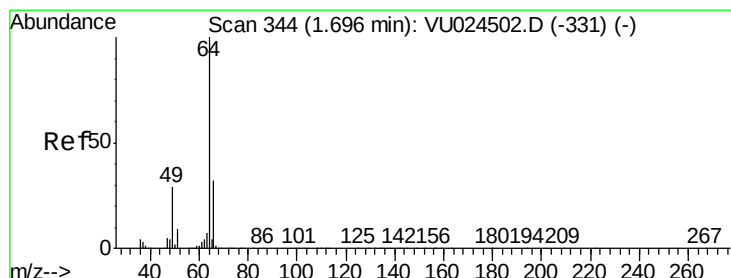
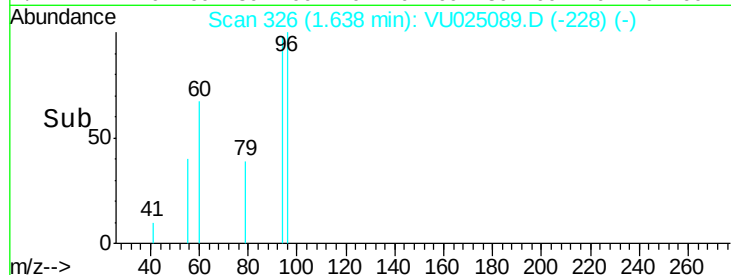
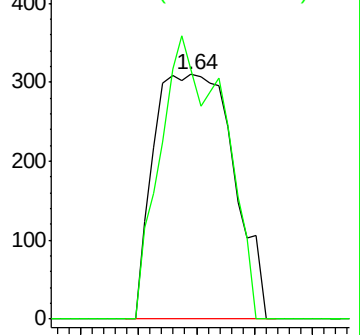
94 100

96 101.9 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 347

Delta R.T. 0.01 min

Lab File: VU025089.D

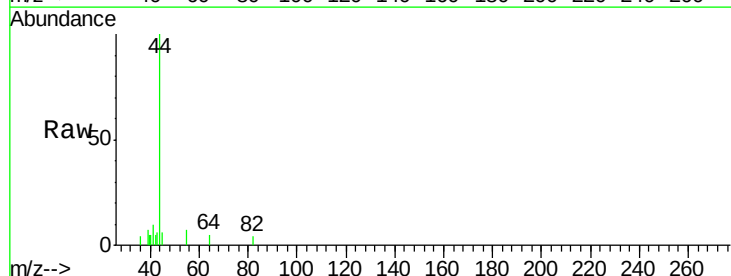
Acq: 30 Jun 2018 15:34

Tgt Ion: 64 Resp: 65

Ion Ratio Lower Upper

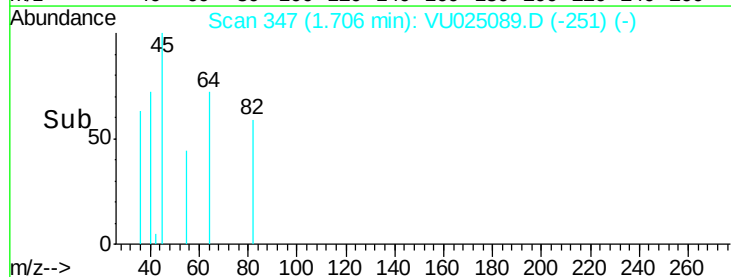
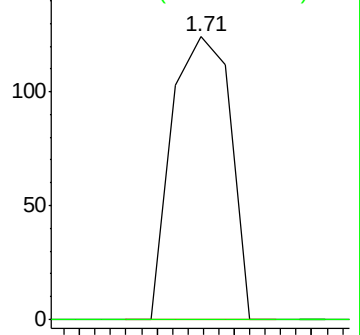
64 100

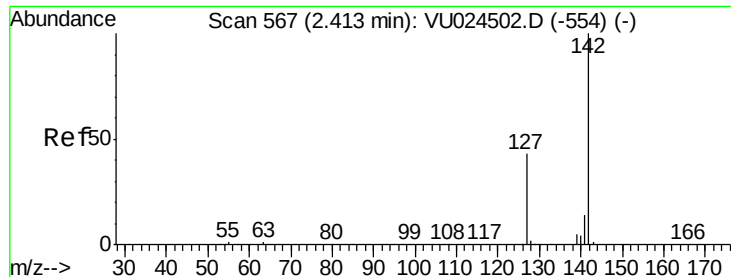
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#10

Methyl Iodide

Concen: 5.431 ug/l

RT: 2.42 min Scan# 570

Delta R.T. 0.01 min

Lab File: VU025089.D

Acq: 30 Jun 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

ZER-GW-SB-03

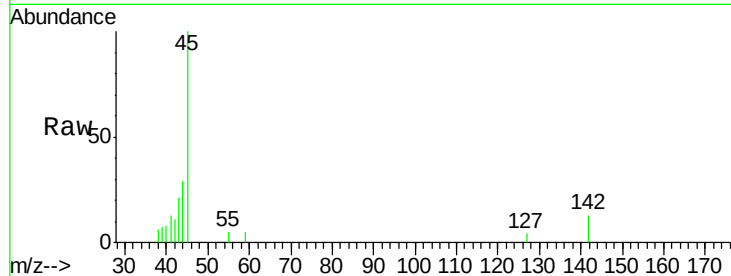
Tgt Ion:142 Resp: 358

Ion Ratio Lower Upper

142 100

127 17.3 35.6 53.4#

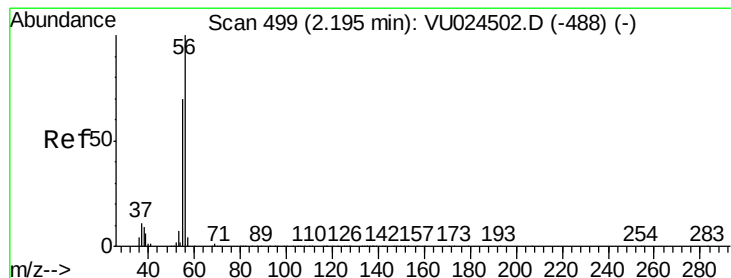
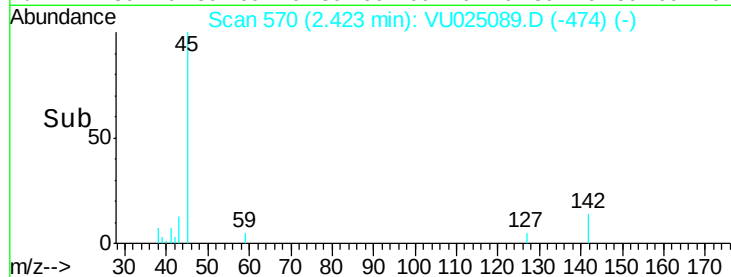
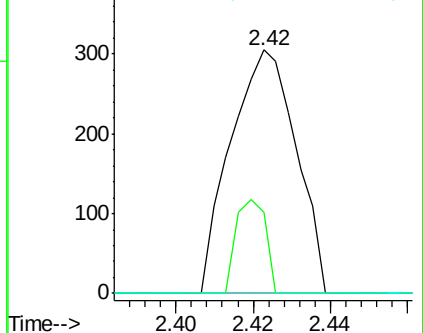
141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#13

Acrolein

Concen: 0.442 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU025089.D

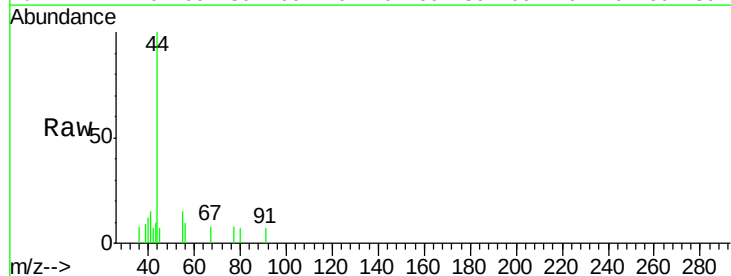
Acq: 30 Jun 2018 15:34

Tgt Ion: 56 Resp: 196

Ion Ratio Lower Upper

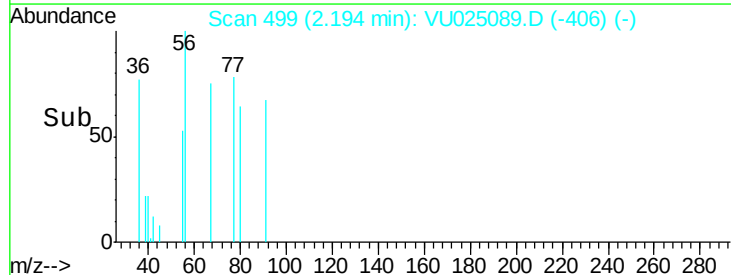
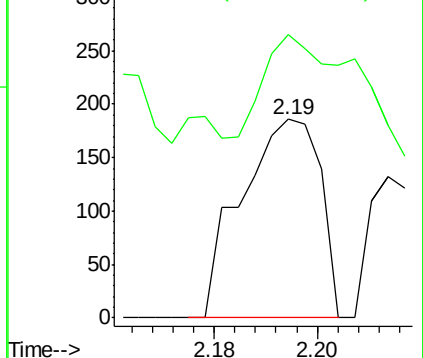
56 100

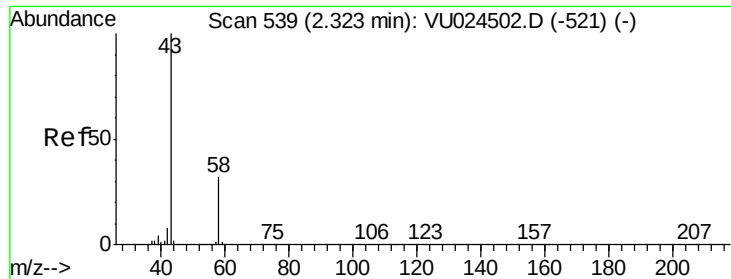
55 78.1 58.4 87.6



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0





#16

Acetone

Concen: 6.671 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU025089.D

Acq: 30 Jun 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

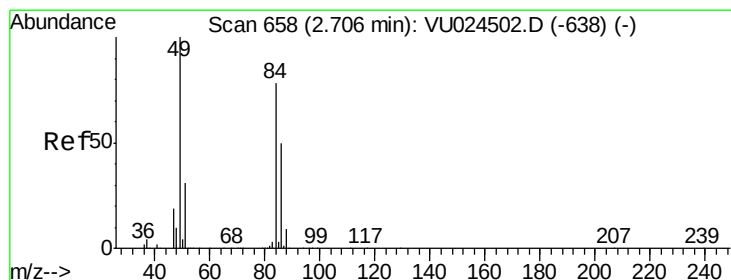
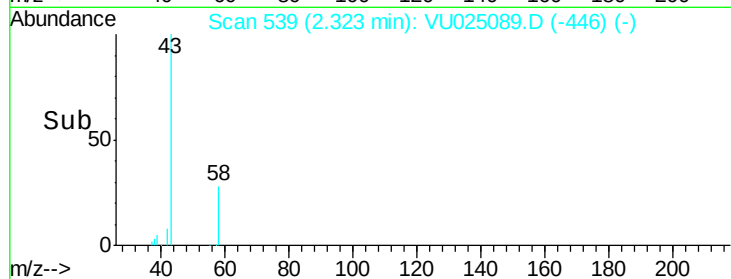
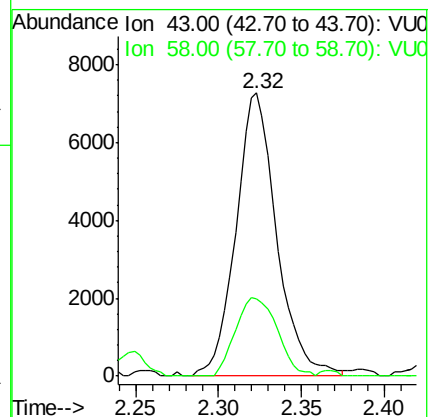
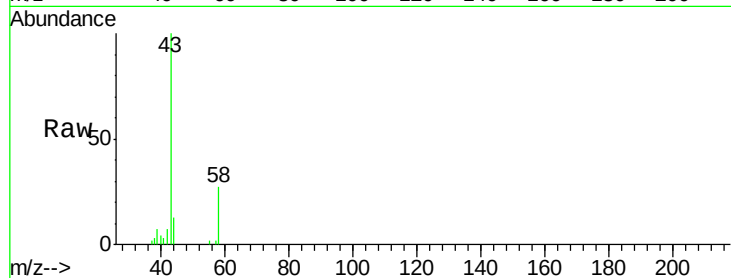
ZER-GW-SB-03

Tgt Ion: 43 Resp: 12452

Ion Ratio Lower Upper

43 100

58 27.4 24.4 36.6



#20

Methylene Chloride

Concen: 0.221 ug/l

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU025089.D

Acq: 30 Jun 2018 15:34

Tgt Ion: 84 Resp: 648

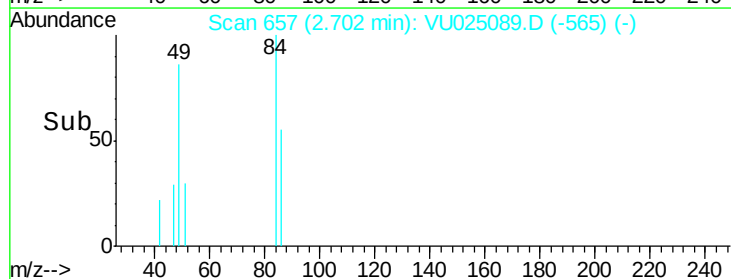
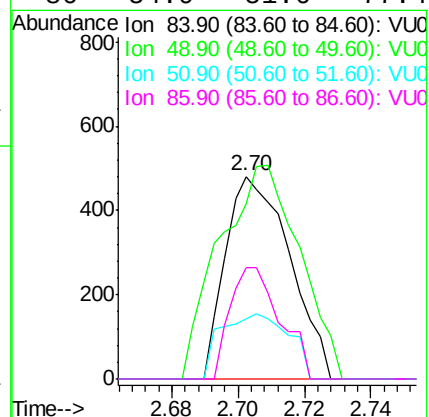
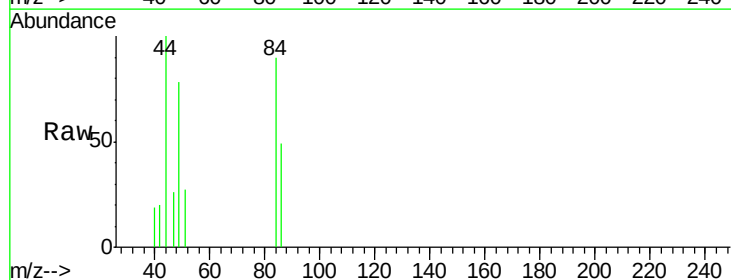
Ion Ratio Lower Upper

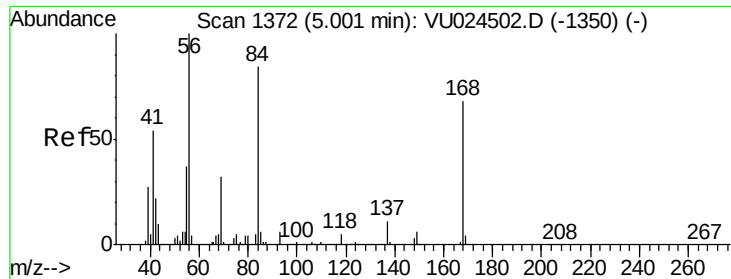
84 100

49 86.3 103.8 155.8#

51 29.7 32.0 48.0#

86 54.9 51.6 77.4

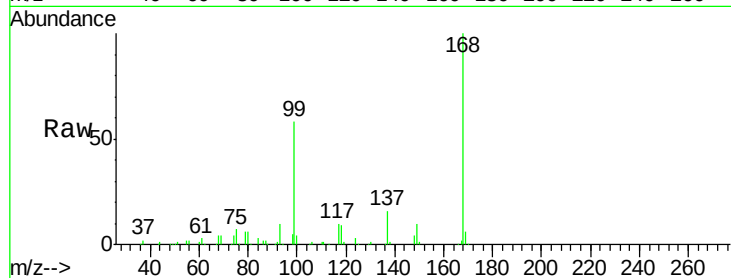




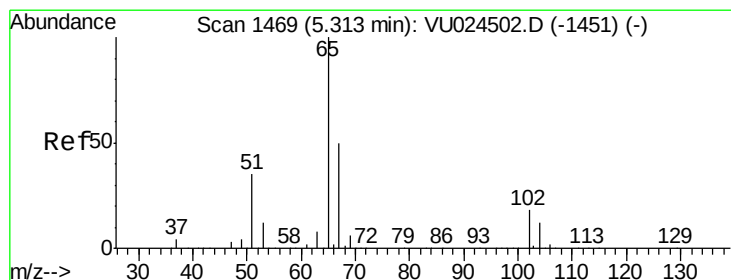
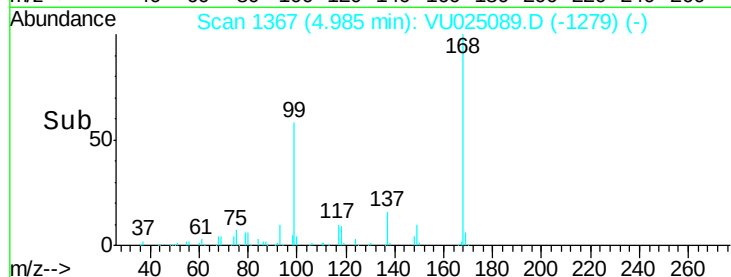
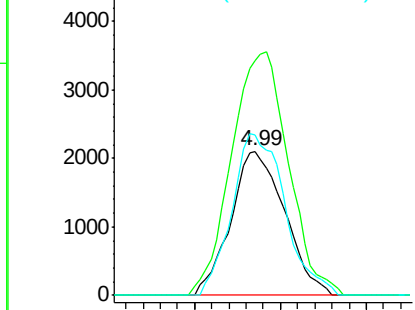
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU025089.D
Acq: 30 Jun 2018 15:34

Instrument :
MSVOA_U
ClientSampleId :
ZER-GW-SB-03

Tgt Ion: 56 Resp: 4598
Ion Ratio Lower Upper
56 100
69 163.2 24.8 37.2#
84 111.1 65.2 97.8#

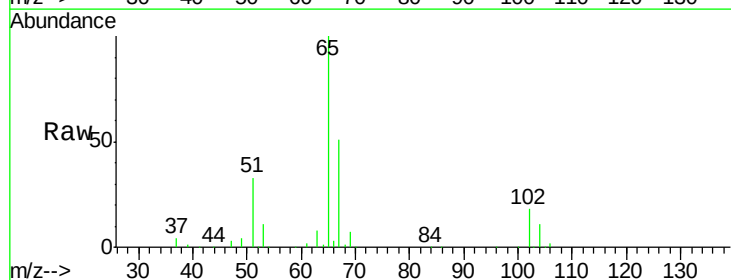


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

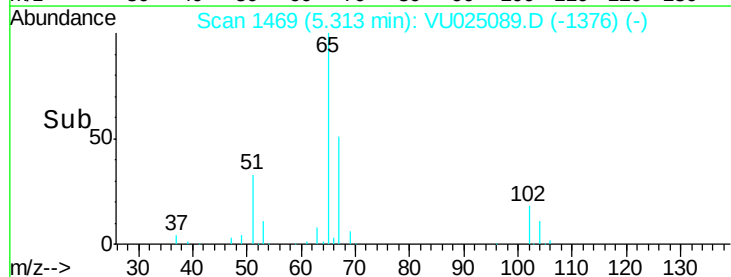
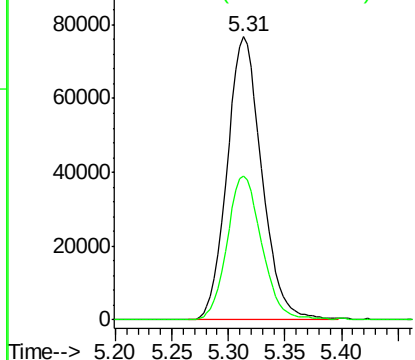


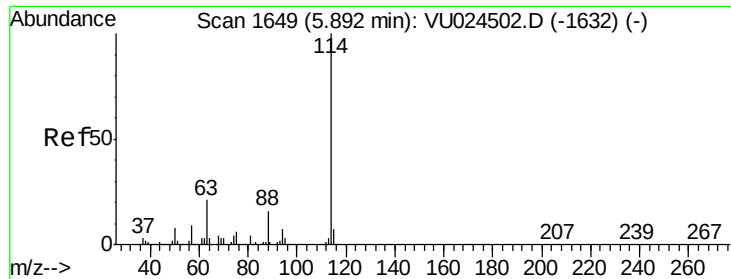
#33
1,2-Dichloroethane-d4
Concen: 47.220 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU025089.D
Acq: 30 Jun 2018 15:34

Tgt Ion: 65 Resp: 164034
Ion Ratio Lower Upper
65 100
67 50.8 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

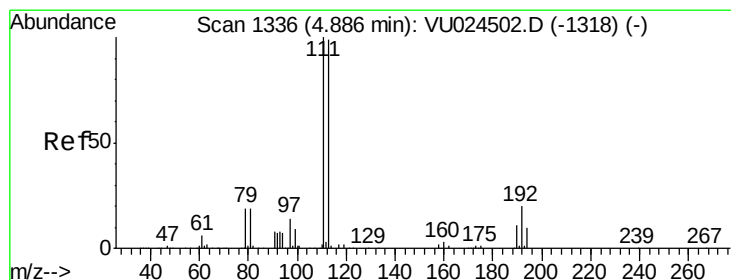
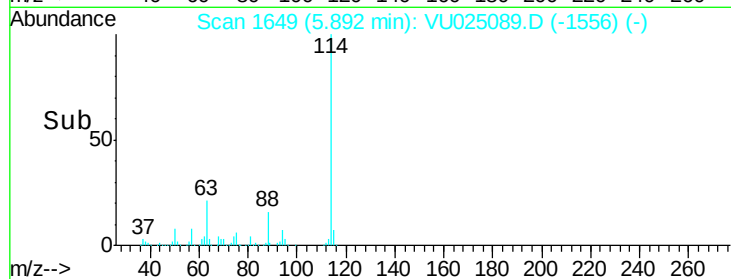
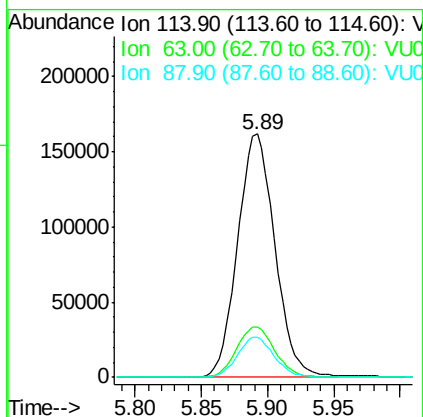
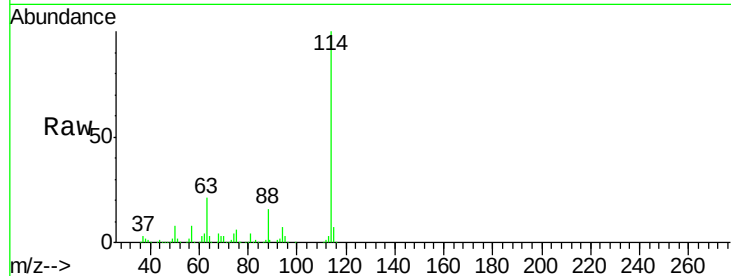




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU025089.D
 Acq: 30 Jun 2018 15:34

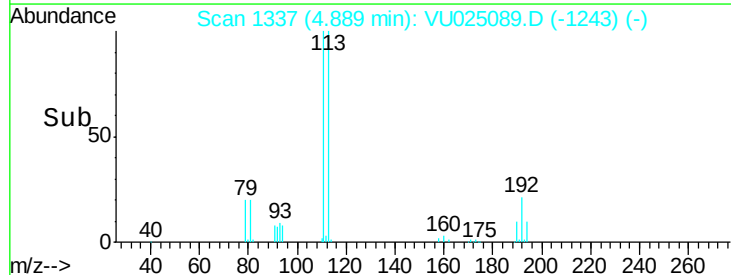
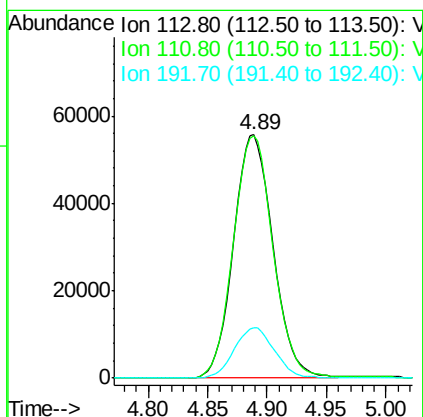
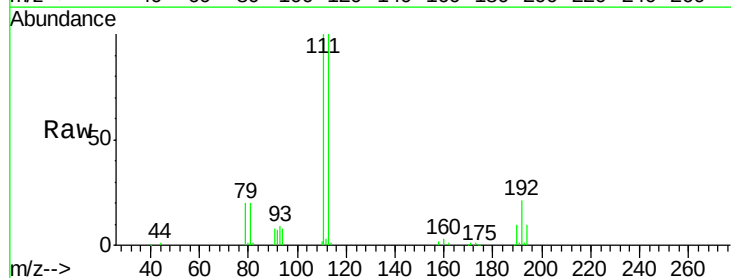
Instrument :
 MSVOA_U
 ClientSampleId :
 ZER-GW-SB-03

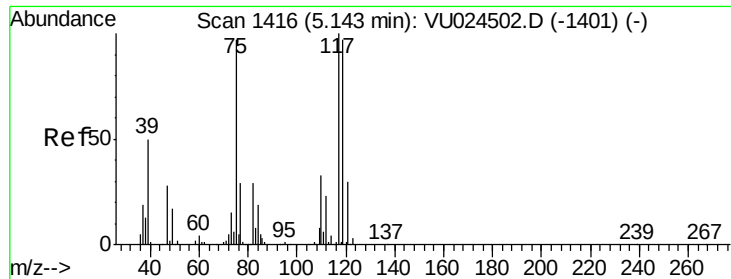
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	45.4
88	16.4	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 48.773 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025089.D
 Acq: 30 Jun 2018 15:34

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.1	82.2	123.4
192	21.1	16.2	24.4

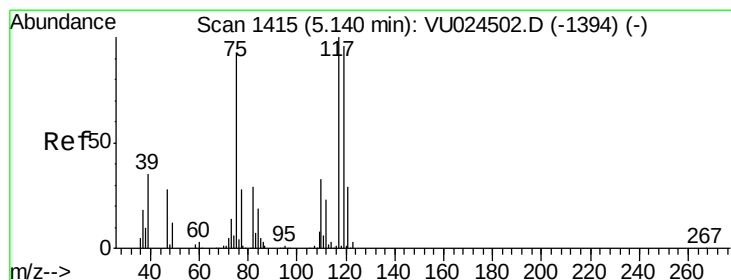
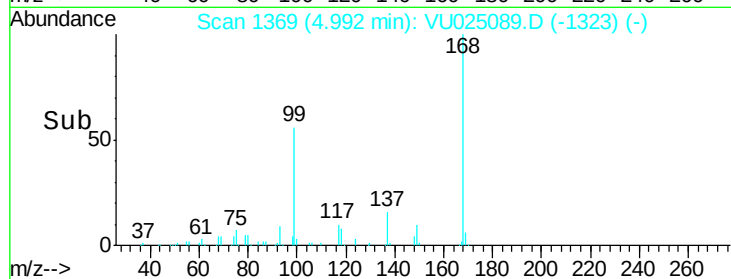
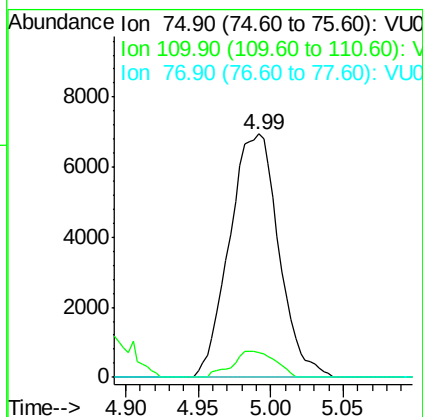
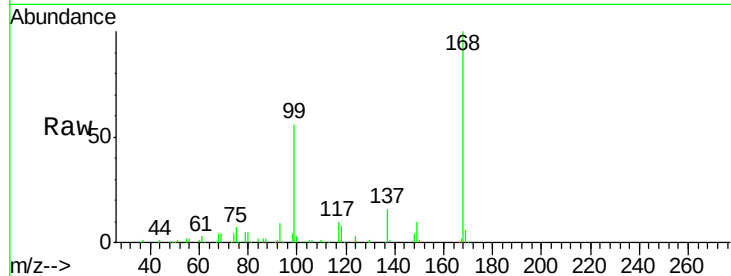




#36
 1,1-Dichloropropene
 Concen: 4.407 ug/l
 RT: 4.99 min Scan# 1369
 Delta R.T. -0.15 min
 Lab File: VU025089.D
 Acq: 30 Jun 2018 15:34

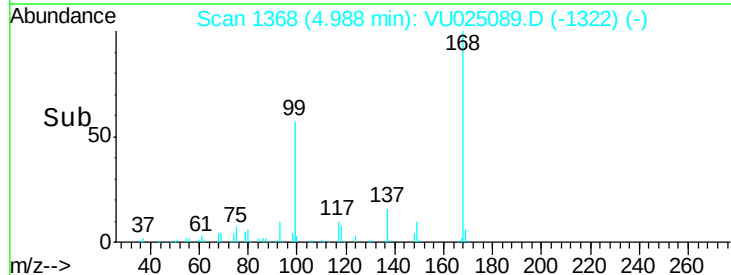
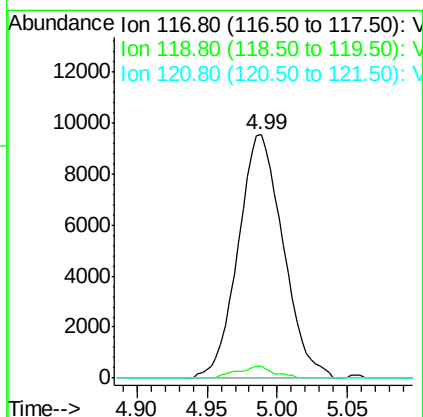
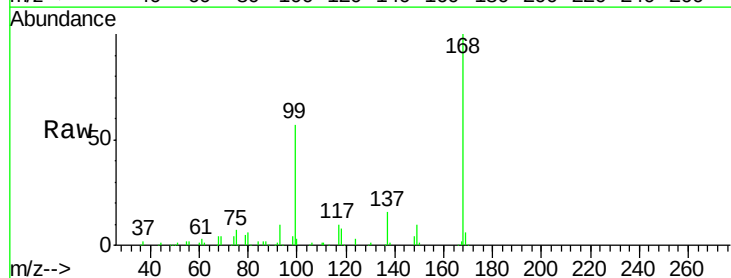
Instrument :
 MSVOA_U
 ClientSampleId :
 ZER-GW-SB-03

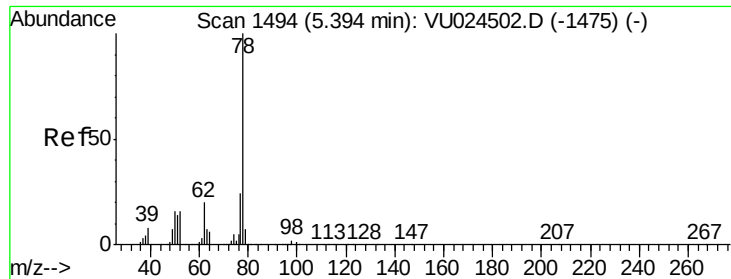
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.0	50.9#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 5.194 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025089.D
 Acq: 30 Jun 2018 15:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.1	114.1#
121	0.0	23.7	35.5#





#40

Benzene

Concen: 0.482 ug/l

RT: 5.40 min Scan# 1496

Delta R.T. 0.01 min

Lab File: VU025089.D

Acq: 30 Jun 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

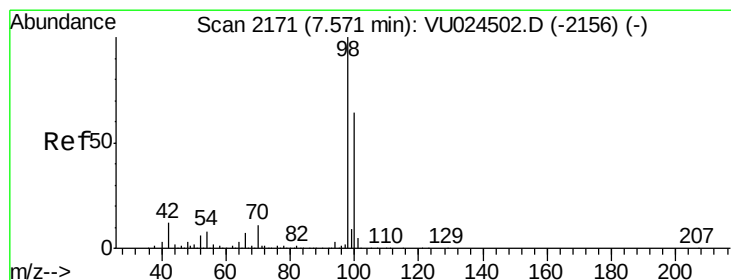
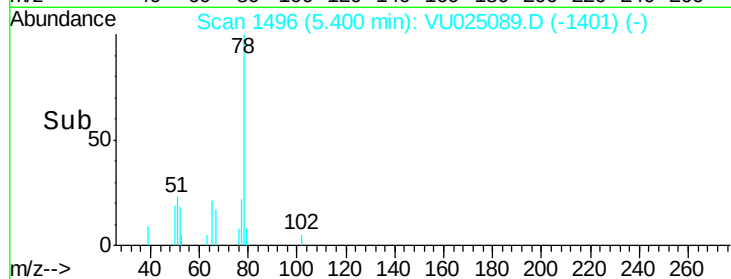
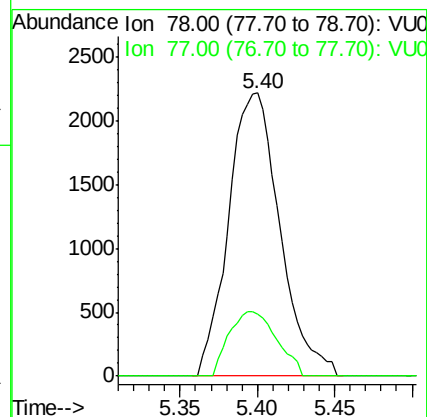
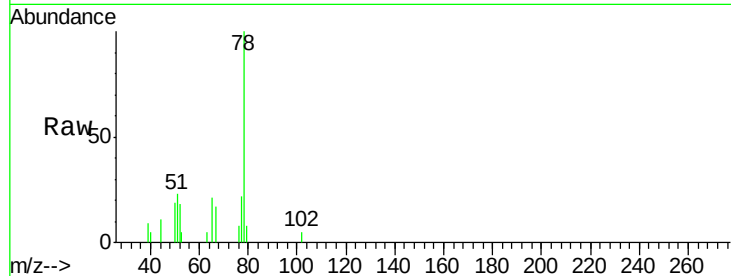
ZER-GW-SB-03

Tgt Ion: 78 Resp: 5111

Ion Ratio Lower Upper

78 100

77 22.1 19.2 28.8



#50

Toluene-d8

Concen: 47.774 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025089.D

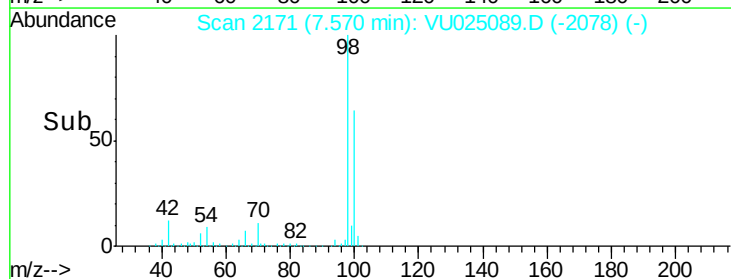
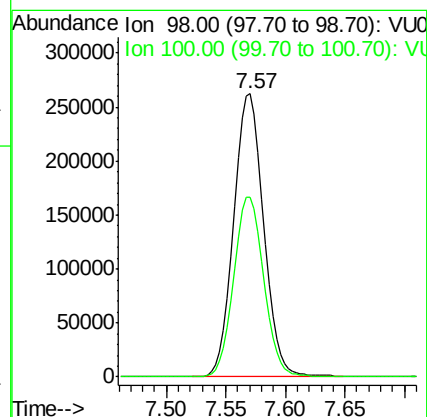
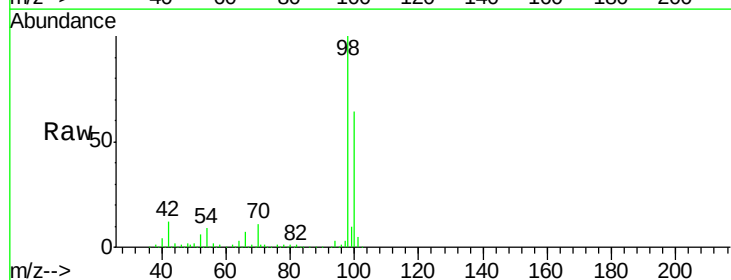
Acq: 30 Jun 2018 15:34

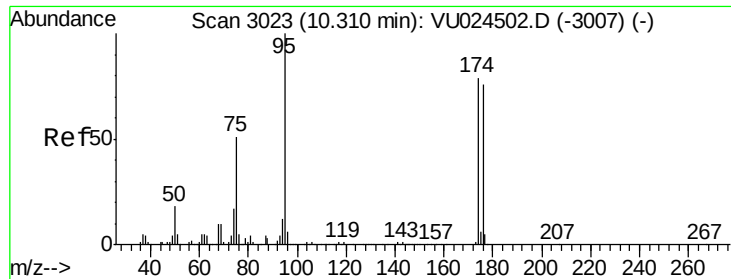
Tgt Ion: 98 Resp: 458326

Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7

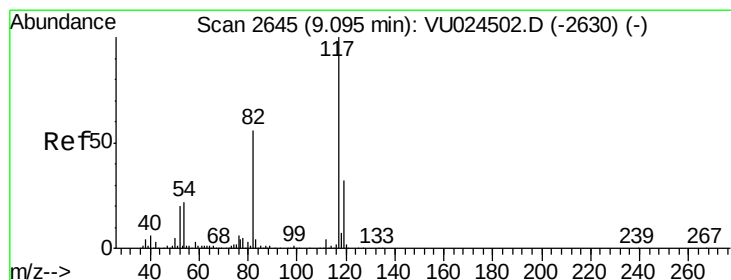
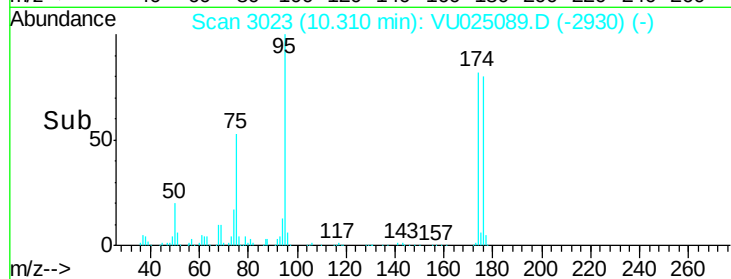
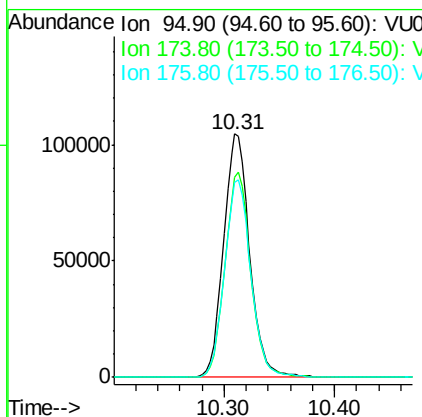
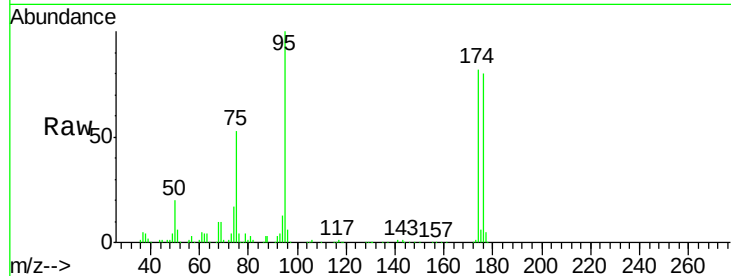




#62
4-Bromofluorobenzene
Concen: 45.099 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025089.D
Acq: 30 Jun 2018 15:34

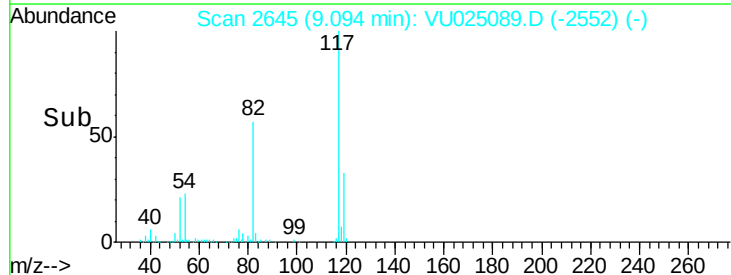
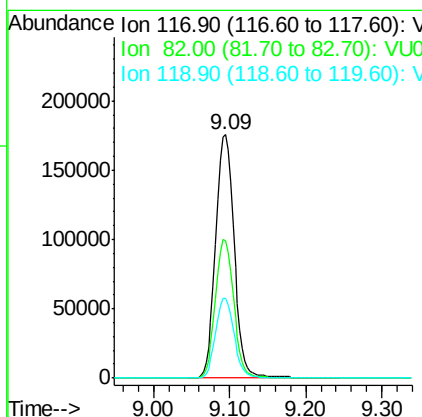
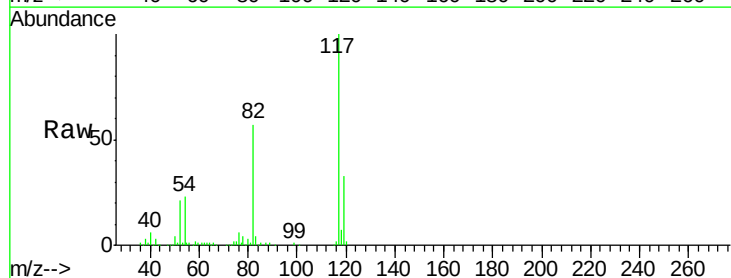
Instrument :
MSVOA_U
ClientSampleId :
ZER-GW-SB-03

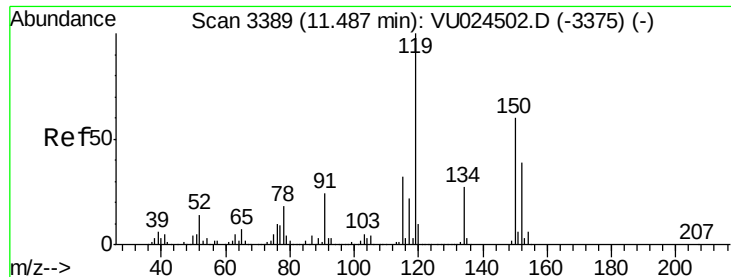
Tgt Ion: 95 Resp: 171785
Ion Ratio Lower Upper
95 100
174 83.2 0.0 165.8
176 82.2 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025089.D
Acq: 30 Jun 2018 15:34

Tgt Ion: 117 Resp: 297609
Ion Ratio Lower Upper
117 100
82 56.5 44.3 66.5
119 33.0 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025089.D

Acq: 30 Jun 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

ZER-GW-SB-03

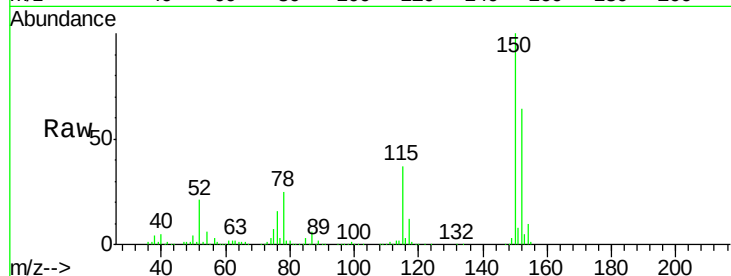
Tgt Ion:152 Resp: 154554

Ion Ratio Lower Upper

152 100

115 58.3 43.0 129.0

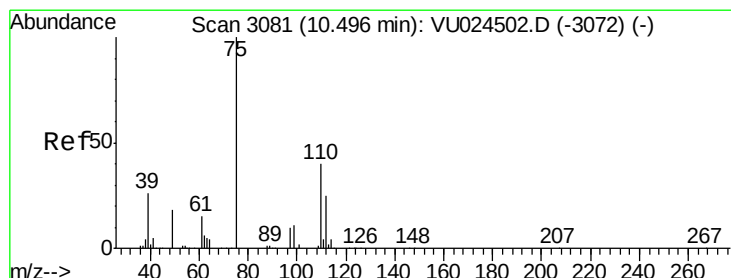
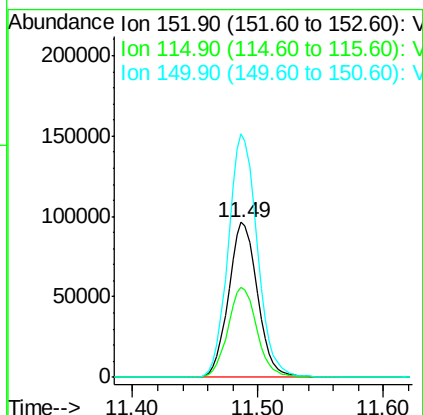
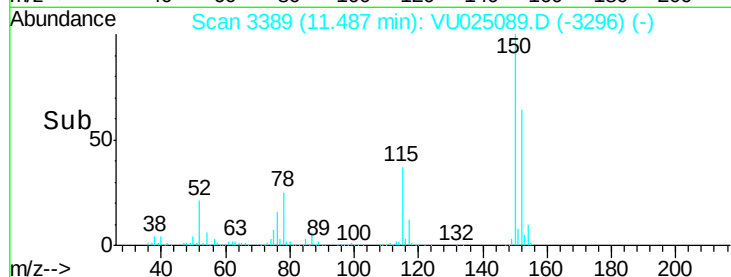
150 157.2 0.0 354.0



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: 26.251 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025089.D

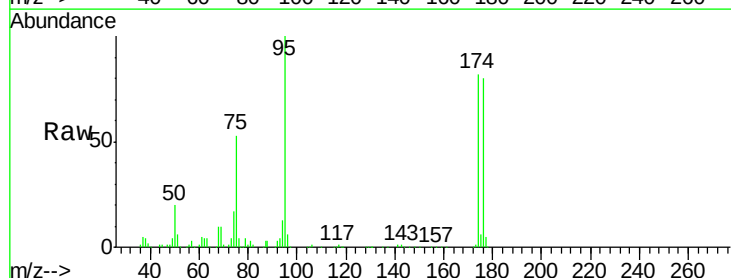
Acq: 30 Jun 2018 15:34

Tgt Ion: 75 Resp: 89324

Ion Ratio Lower Upper

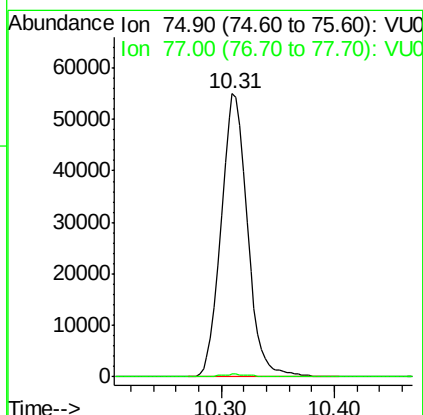
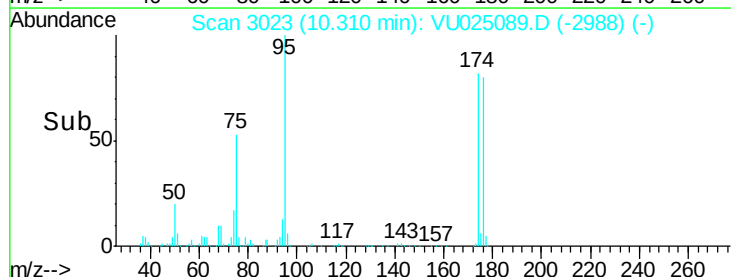
75 100

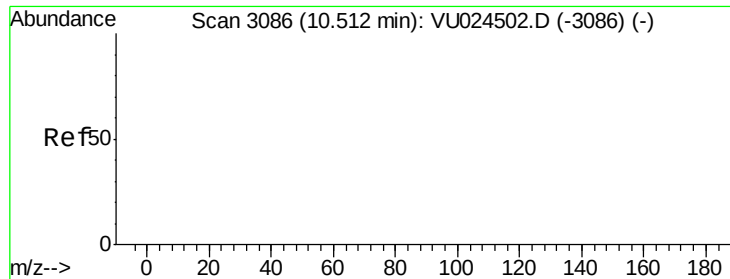
77 1.0 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 60.755 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025089.D

Acq: 30 Jun 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

ZER-GW-SB-03

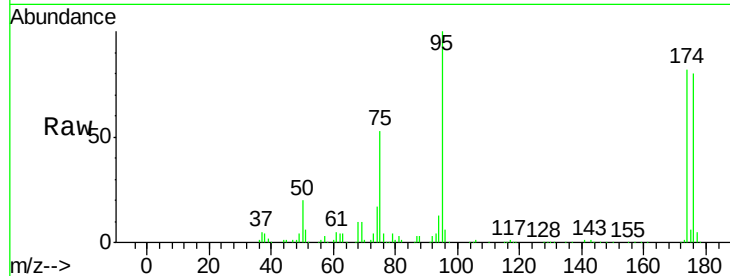
Tgt Ion: 75 Resp: 89324

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

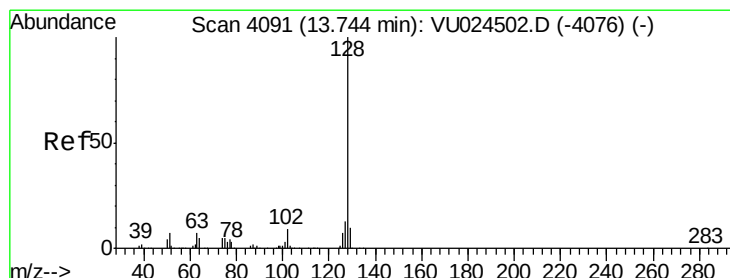
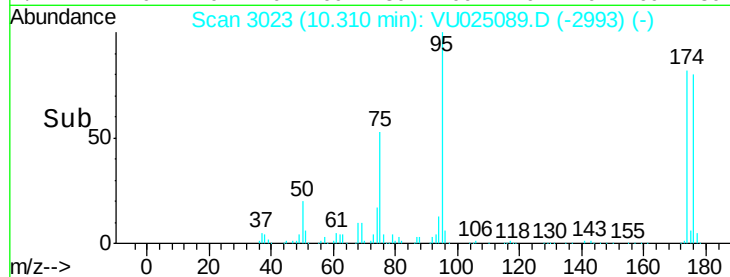
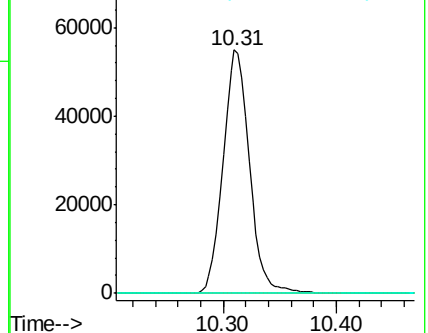
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3086) (-)

Ion 53.00 (52.70 to 53.70): VU024502.D (-3086) (-)

Ion 88.90 (88.60 to 89.60): VU024502.D (-3086) (-)



#95

Naphthalene

Concen: 0.772 ug/l

RT: 13.76 min Scan# 4095

Delta R.T. 0.01 min

Lab File: VU025089.D

Acq: 30 Jun 2018 15:34

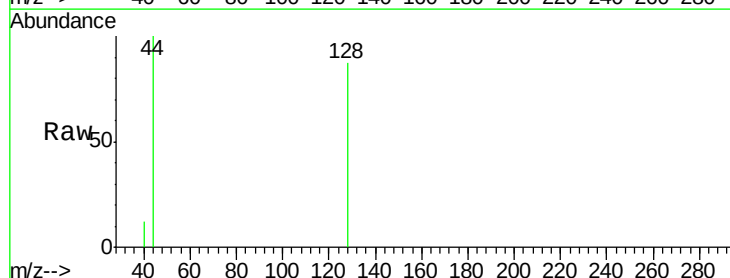
Tgt Ion: 128 Resp: 1072

Ion Ratio Lower Upper

128 100

127 1.8 10.6 16.0#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VU024502.D (-4076) (-)

Ion 127.00 (126.70 to 127.70): VU024502.D (-4076) (-)

Ion 129.00 (128.70 to 129.70): VU024502.D (-4076) (-)

