

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062818\
 Data File : VU025010.D
 Acq On : 28 Jun 2018 10:57
 Operator : MD/SY
 Sample : VU0628MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBL01

Quant Time: Jun 29 05:02:48 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

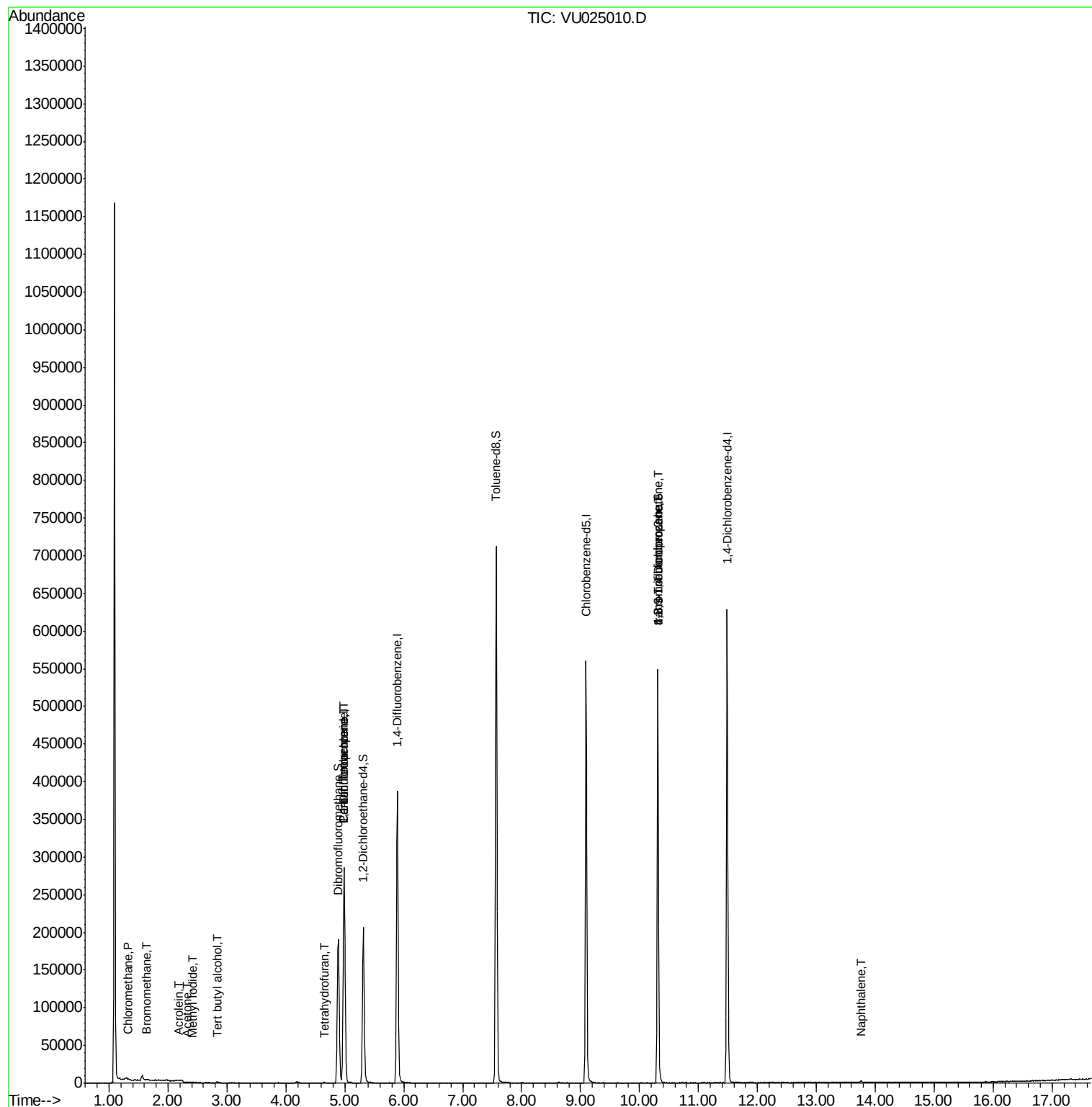
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	219702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	328946	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	305308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	163310	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	165344	46.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.20%	
35) Dibromofluoromethane	4.89	113	130173	47.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.36%	
50) Toluene-d8	7.57	98	475245	47.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.46%	
62) 4-Bromofluorobenzene	10.31	95	177702	44.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.90%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	668	0.238	ug/l	88
5) Bromomethane	1.63	94	439	0.313	ug/l #	74
6) Chloroethane	1.70	64	111	Below Cal	#	43
10) Methyl Iodide	2.42	142	226	5.376	ug/l #	40
11) Tert butyl alcohol	2.83	59	666	0.763	ug/l #	72
13) Acrolein	2.19	56	138	0.301	ug/l #	1
16) Acetone	2.32	43	619	0.321	ug/l #	44
29) Tetrahydrofuran	4.64	42	370	0.231	ug/l #	47
31) Cyclohexane	4.99	56	4710	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	16975	4.392	ug/l #	51
38) Carbon Tetrachloride	4.99	117	21553	5.071	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	92712	25.786	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	92712	59.679	ug/l #	100
95) Naphthalene	13.76	128	3527	0.969	ug/l #	87

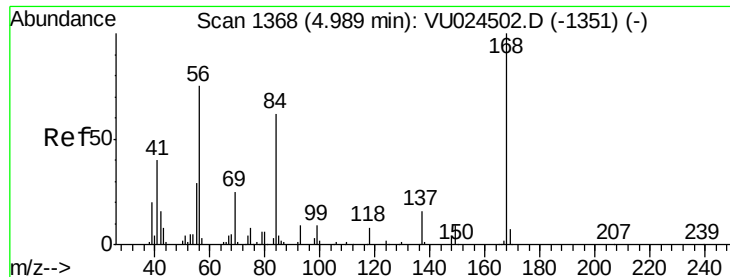
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU062818\
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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: VU025010.D

Acq: 28 Jun 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

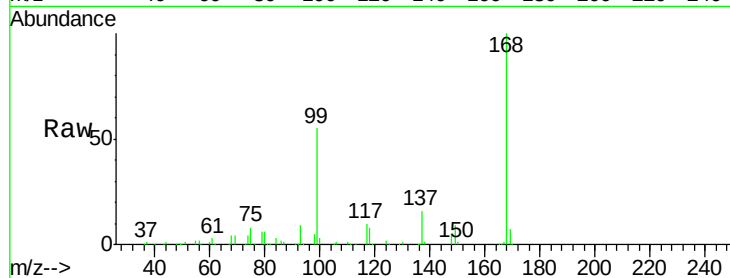
VU0628MBL01

Tgt Ion:168 Resp: 219702

Ion Ratio Lower Upper

168 100

99 54.5 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

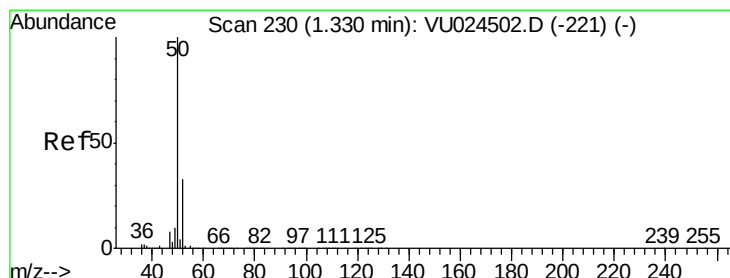
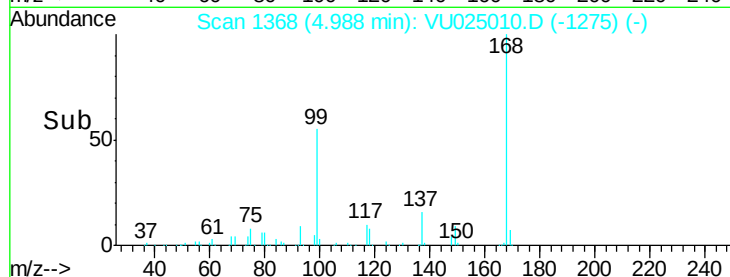
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.238 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025010.D

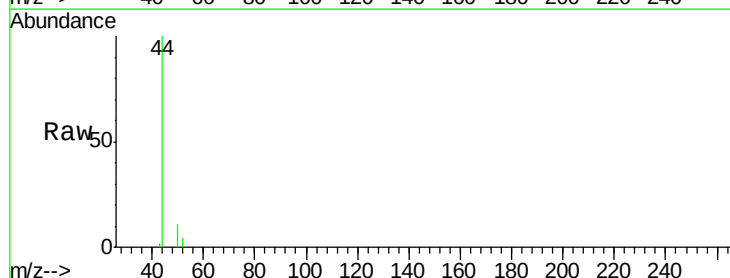
Acq: 28 Jun 2018 10:57

Tgt Ion: 50 Resp: 668

Ion Ratio Lower Upper

50 100

52 39.5 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

600

500

400

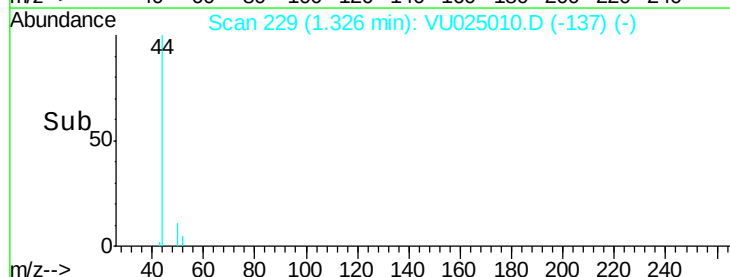
300

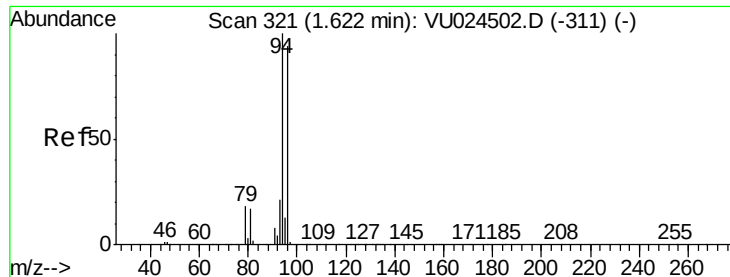
200

100

0

Time-->





#5

Bromomethane

Concen: 0.313 ug/l

RT: 1.63 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU025010.D

Acq: 28 Jun 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

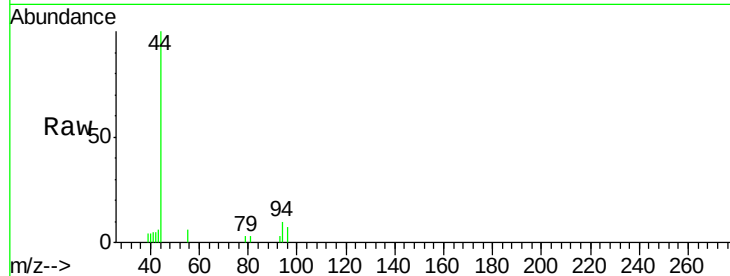
VU0628MBL01

Tgt Ion: 94 Resp: 439

Ion Ratio Lower Upper

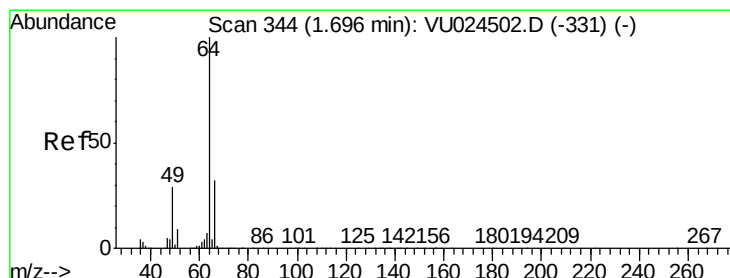
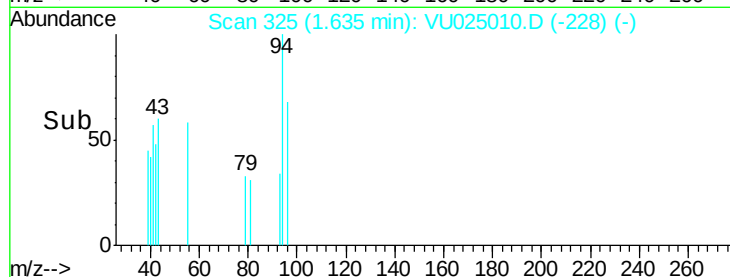
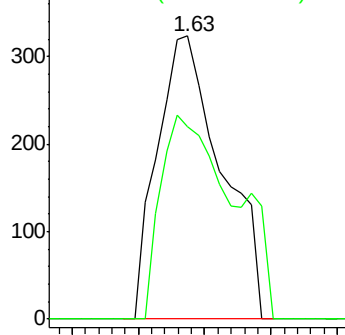
94 100

96 68.1 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: 1.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU025010.D

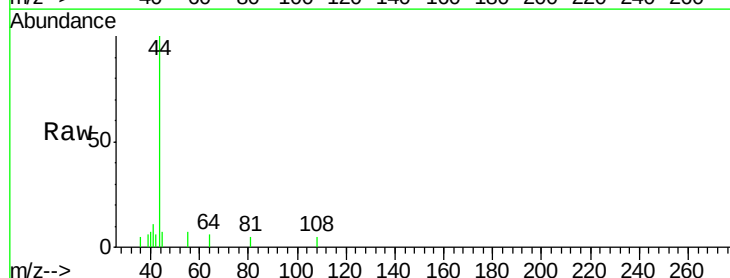
Acq: 28 Jun 2018 10:57

Tgt Ion: 64 Resp: 111

Ion Ratio Lower Upper

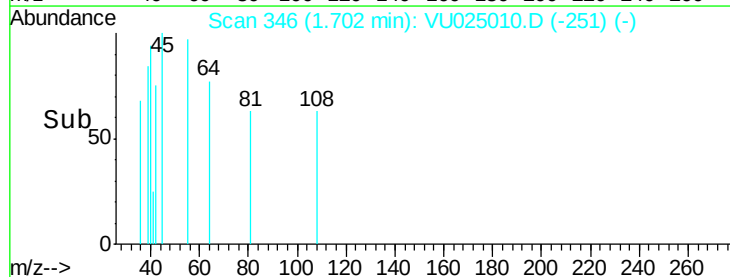
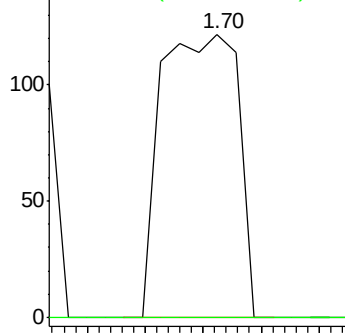
64 100

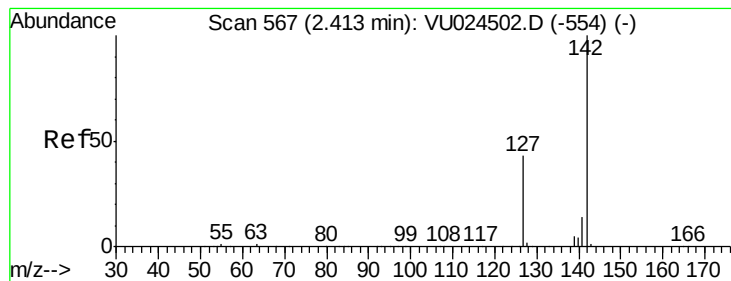
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#10

Methyl Iodide

Concen: 5.376 ug/l

RT: 2.42 min Scan# 569

Delta R.T. 0.01 min

Lab File: VU025010.D

Acq: 28 Jun 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBL01

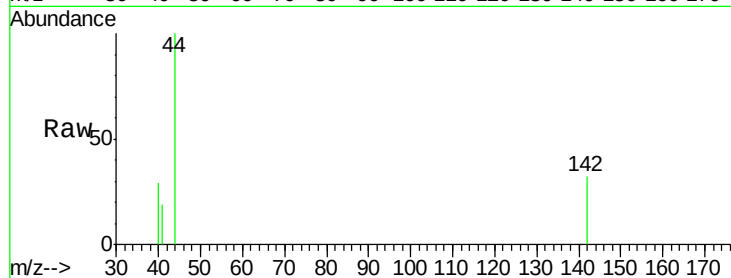
Tgt Ion:142 Resp: 226

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

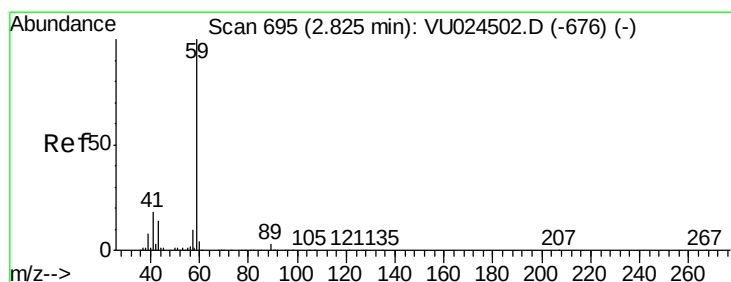
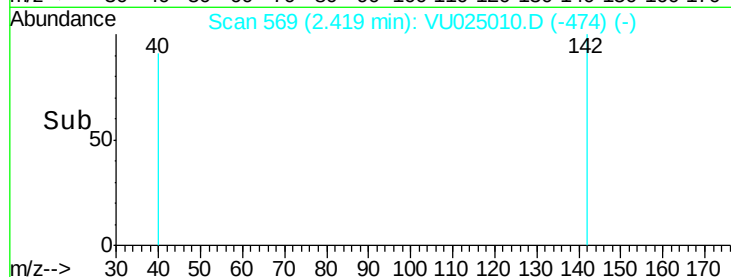
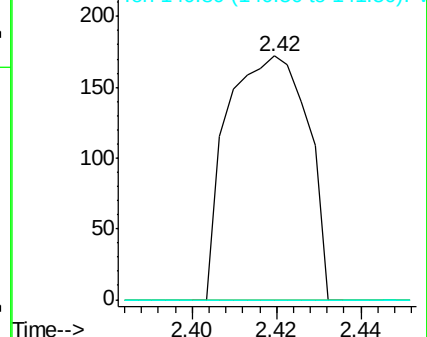
141 0.0 11.7 17.5#



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



#11

Tert butyl alcohol

Concen: 0.763 ug/l

RT: 2.83 min Scan# 698

Delta R.T. 0.01 min

Lab File: VU025010.D

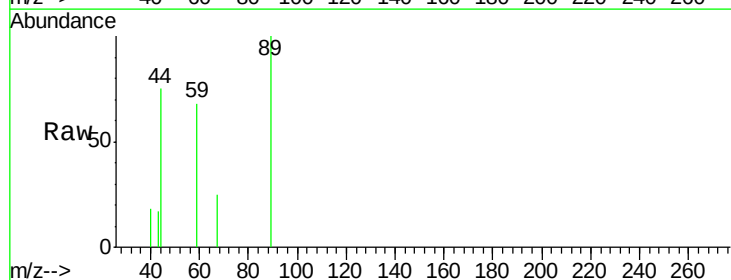
Acq: 28 Jun 2018 10:57

Tgt Ion: 59 Resp: 666

Ion Ratio Lower Upper

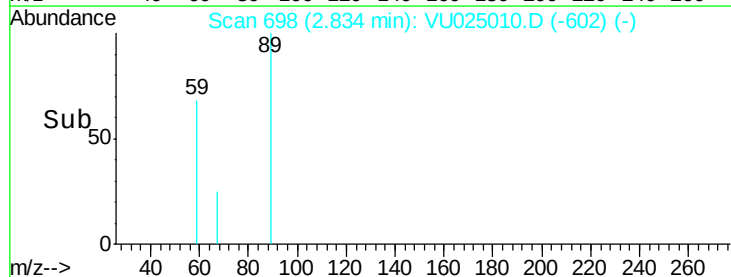
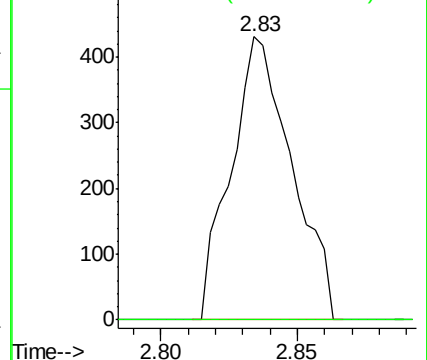
59 100

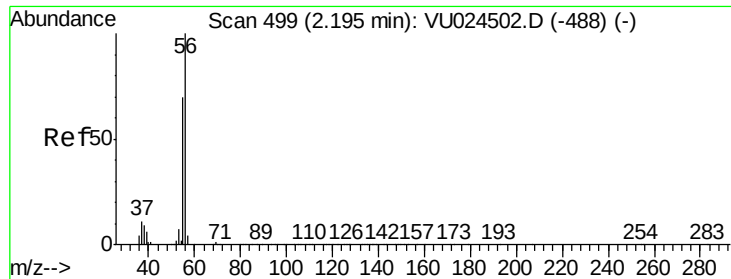
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#13

Acrolein

Concen: 0.301 ug/l

RT: 2.19 min Scan# 498

Delta R.T. -0.00 min

Lab File: VU025010.D

Acq: 28 Jun 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

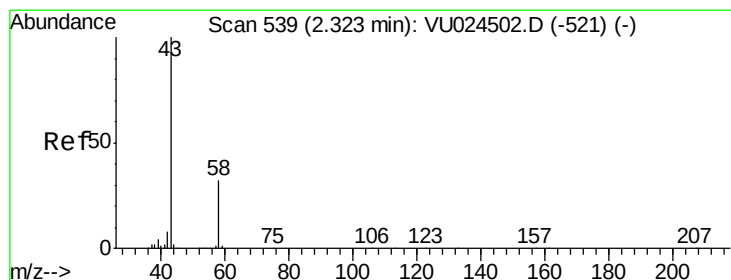
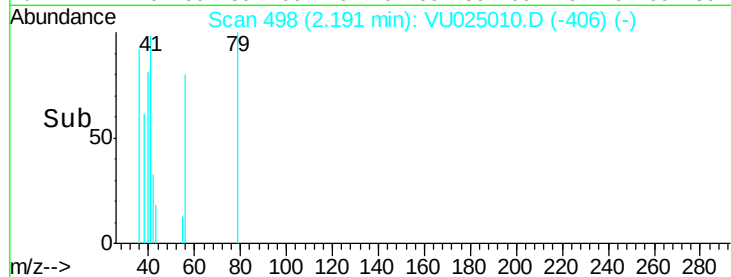
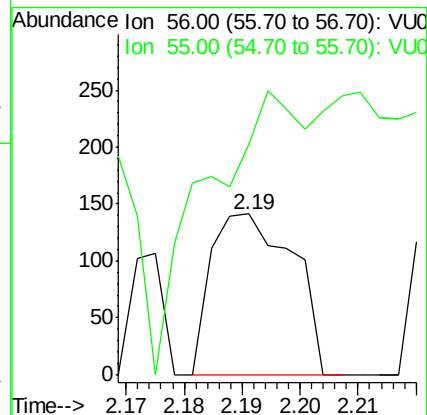
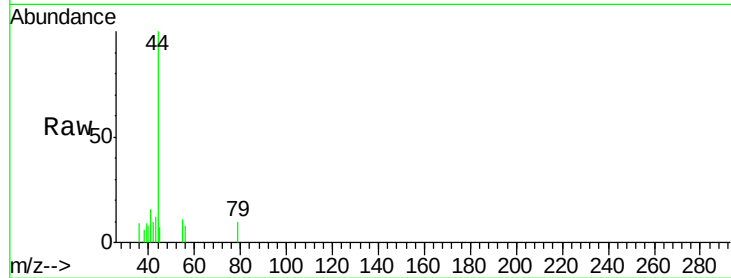
VU0628MBL01

Tgt Ion: 56 Resp: 138

Ion Ratio Lower Upper

56 100

55 213.0 58.4 87.6#



#16

Acetone

Concen: 0.321 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025010.D

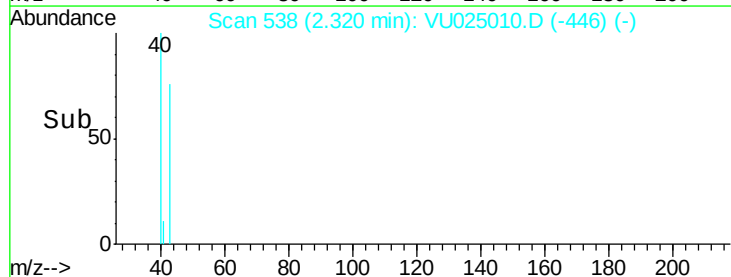
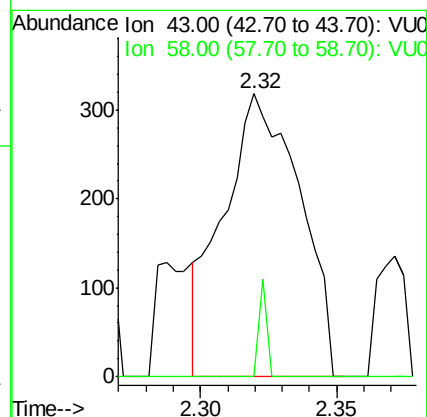
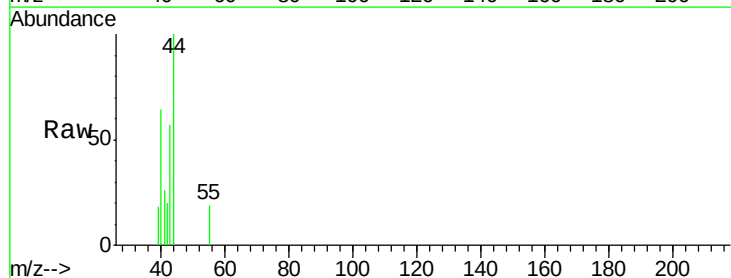
Acq: 28 Jun 2018 10:57

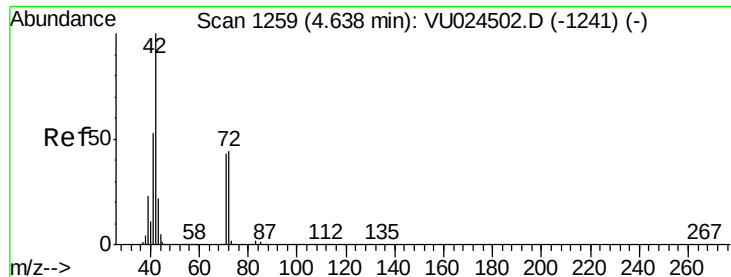
Tgt Ion: 43 Resp: 619

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#

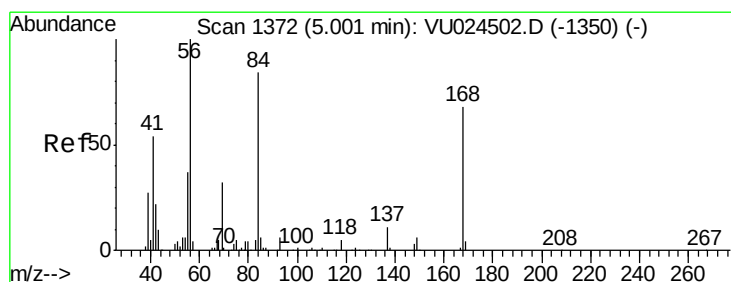
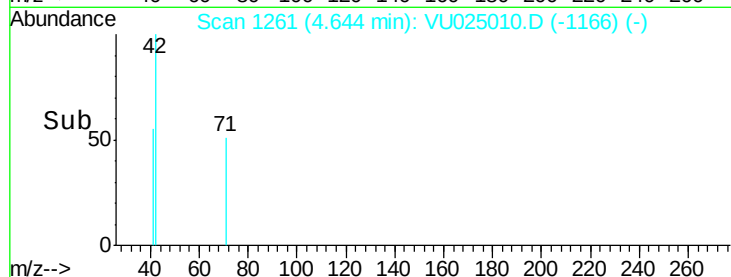
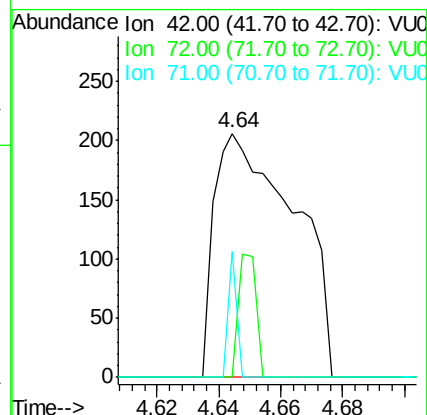
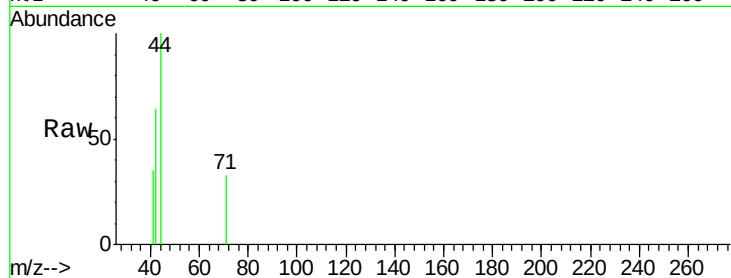




#29
Tetrahydrofuran
Concen: 0.231 ug/l
RT: 4.64 min Scan# 1261
Delta R.T. 0.01 min
Lab File: VU025010.D
Acq: 28 Jun 2018 10:57

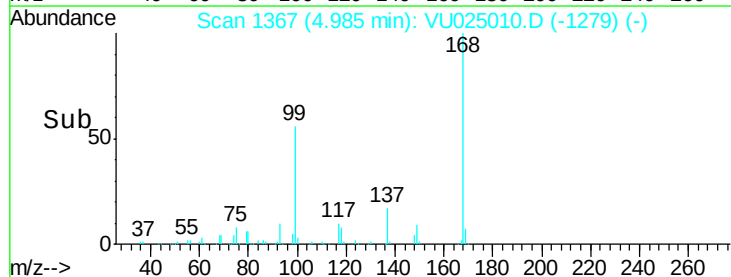
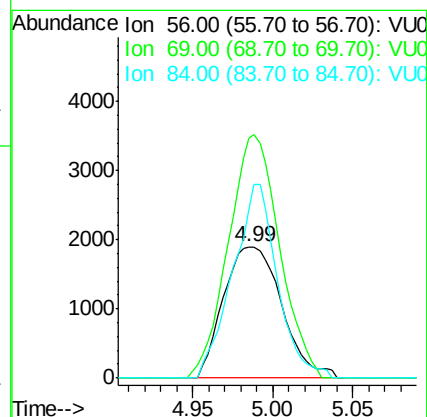
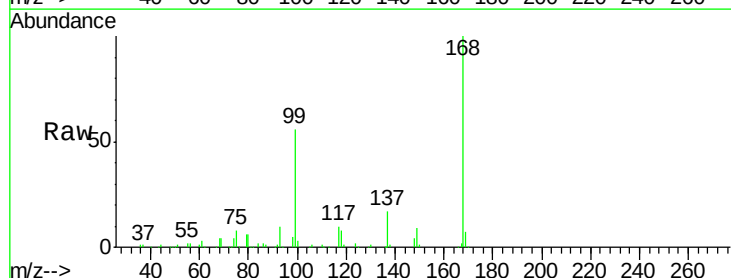
Instrument :
MSVOA_U
ClientSampleId :
VU0628MBL01

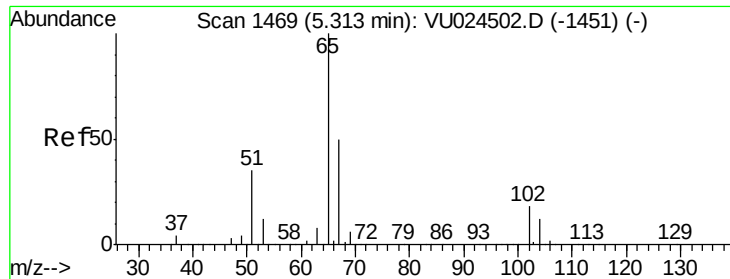
Tgt Ion: 42 Resp: 370
Ion Ratio Lower Upper
42 100
72 10.8 34.5 51.7#
71 5.4 32.2 48.4#



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU025010.D
Acq: 28 Jun 2018 10:57

Tgt Ion: 56 Resp: 4710
Ion Ratio Lower Upper
56 100
69 182.8 24.8 37.2#
84 128.1 65.2 97.8#

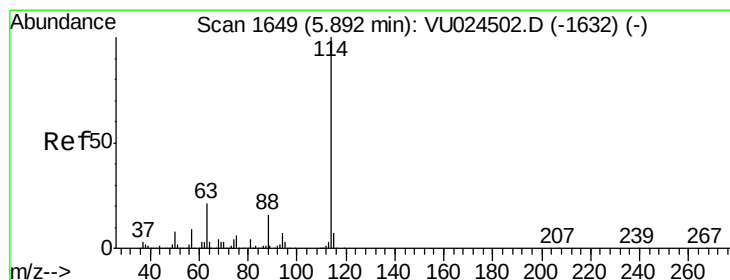
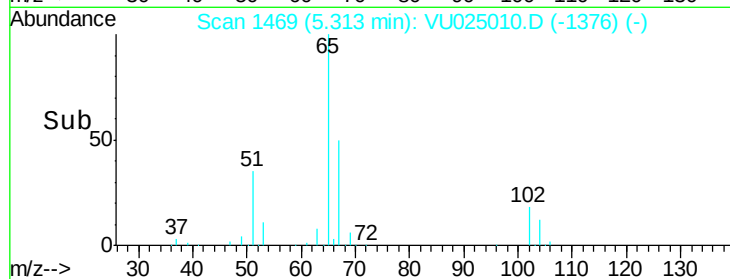
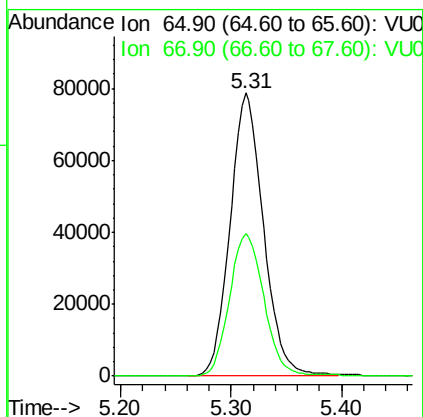
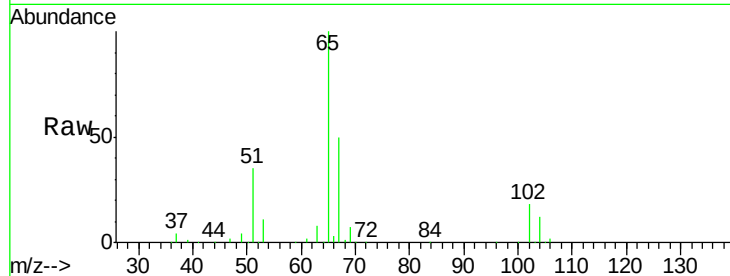




#33
 1,2-Dichloroethane-d4
 Concen: 46.099 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025010.D
 Acq: 28 Jun 2018 10:57

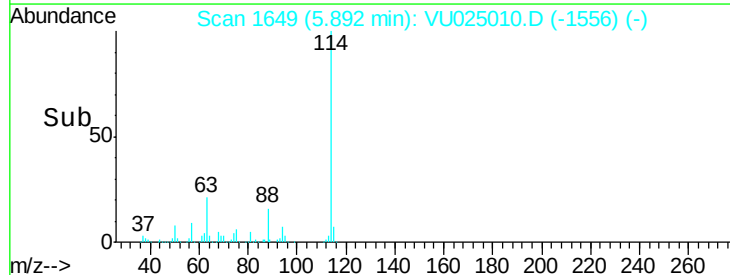
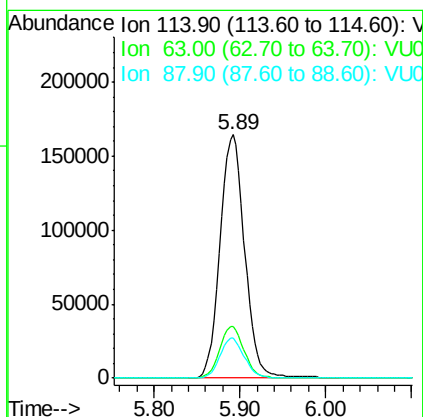
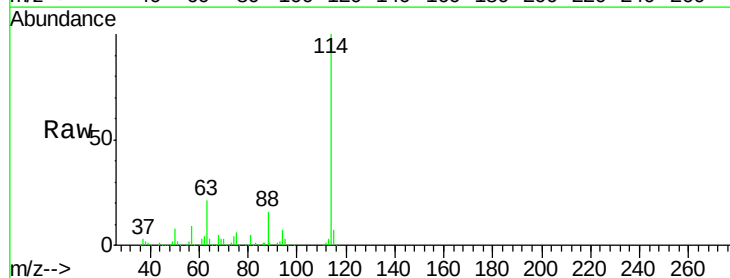
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBL01

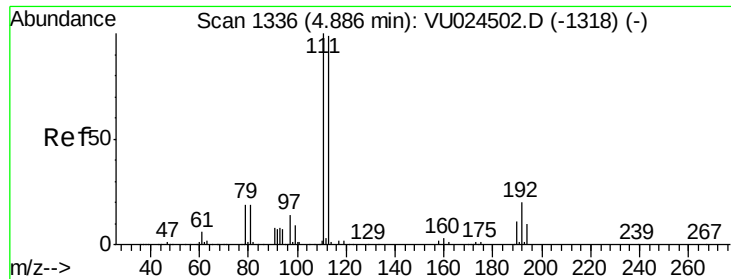
Tgt Ion: 65 Resp: 165344
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU025010.D
 Acq: 28 Jun 2018 10:57

Tgt Ion: 114 Resp: 328946
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 45.4
 88 16.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 47.682 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025010.D

Acq: 28 Jun 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBL01

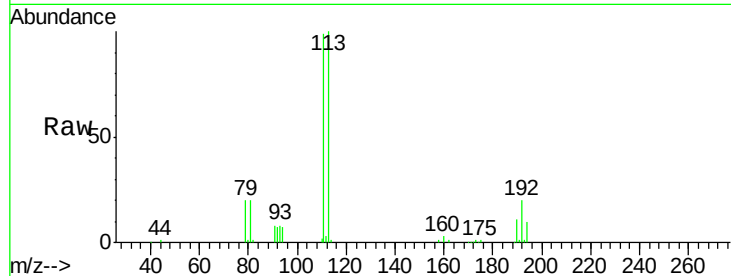
Tgt Ion:113 Resp: 130173

Ion Ratio Lower Upper

113 100

111 100.5 82.2 123.4

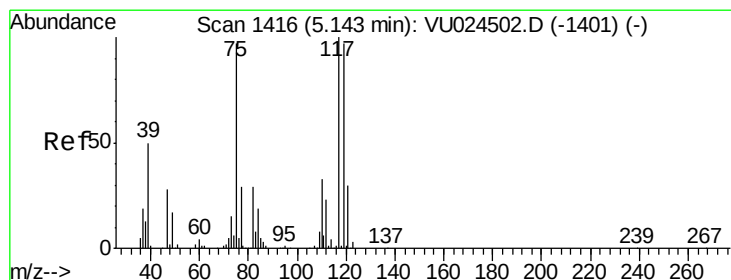
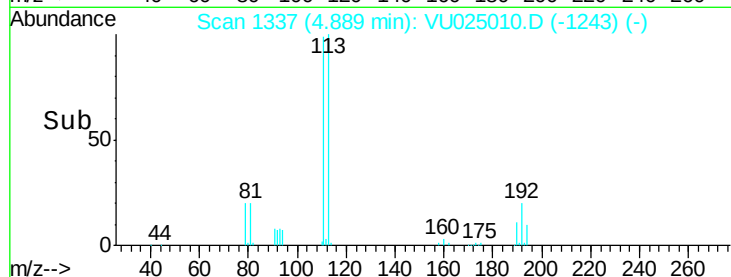
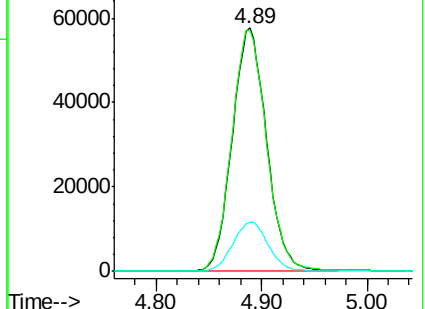
192 20.8 16.2 24.4



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: 4.392 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU025010.D

Acq: 28 Jun 2018 10:57

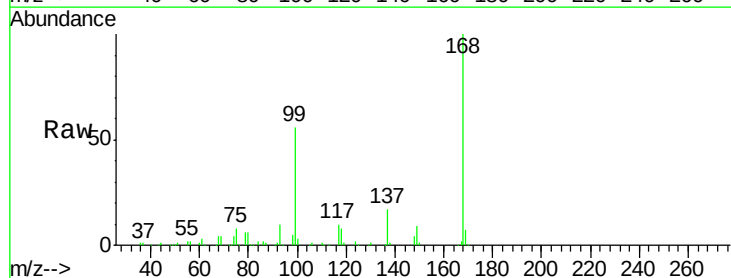
Tgt Ion: 75 Resp: 16975

Ion Ratio Lower Upper

75 100

110 8.8 17.0 50.9#

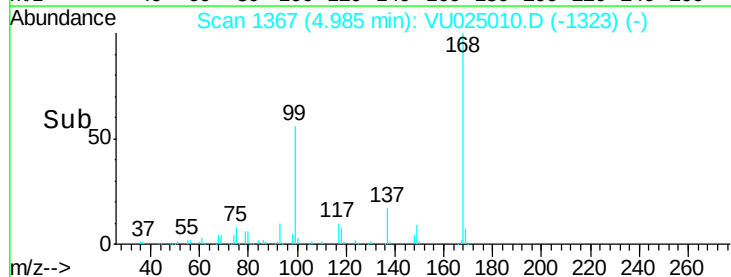
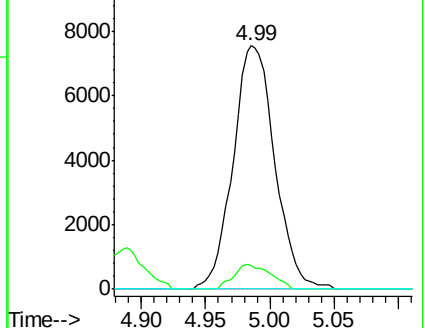
77 0.0 24.2 36.4#

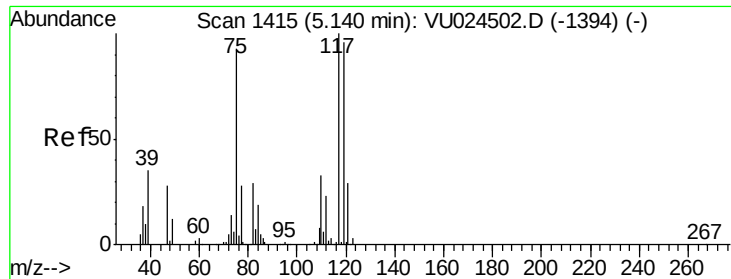


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 5.071 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025010.D

Acq: 28 Jun 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBL01

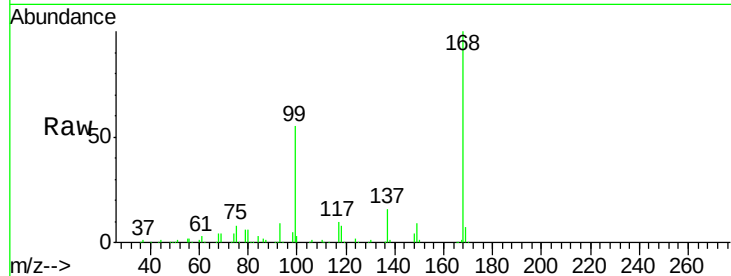
Tgt Ion:117 Resp: 21553

Ion Ratio Lower Upper

117 100

119 5.0 76.1 114.1#

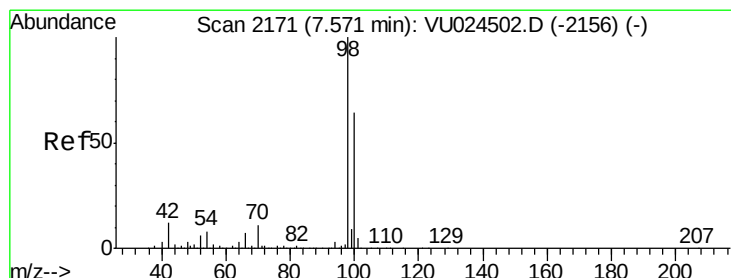
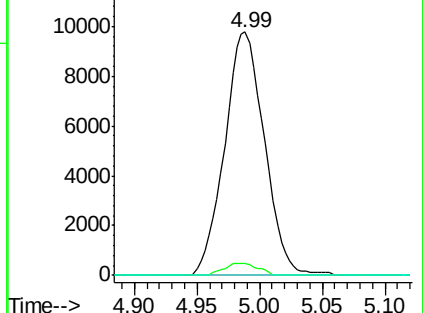
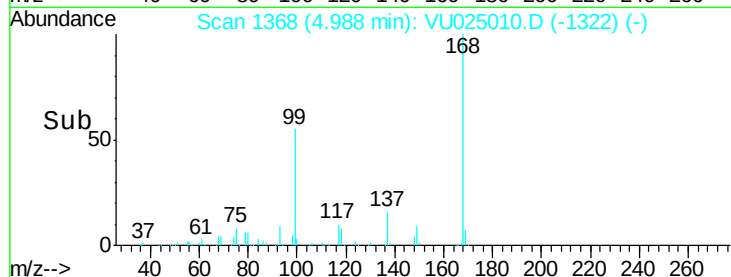
121 0.0 23.7 35.5#



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



#50

Toluene-d8

Concen: 47.725 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025010.D

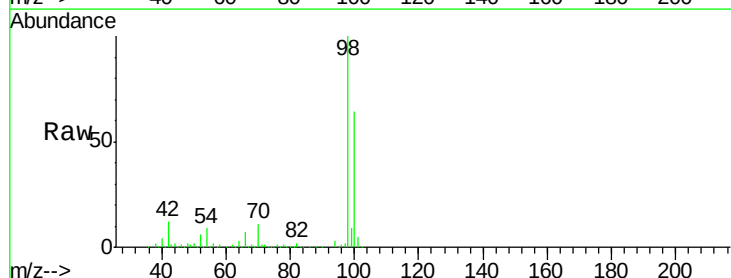
Acq: 28 Jun 2018 10:57

Tgt Ion: 98 Resp: 475245

Ion Ratio Lower Upper

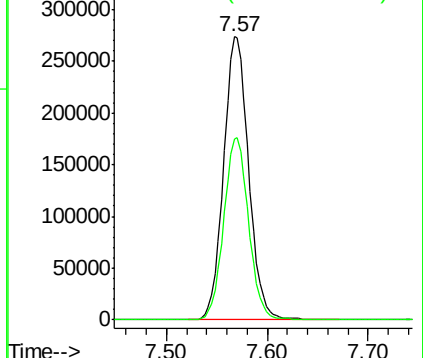
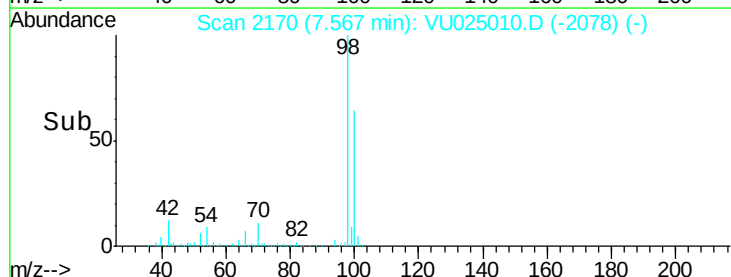
98 100

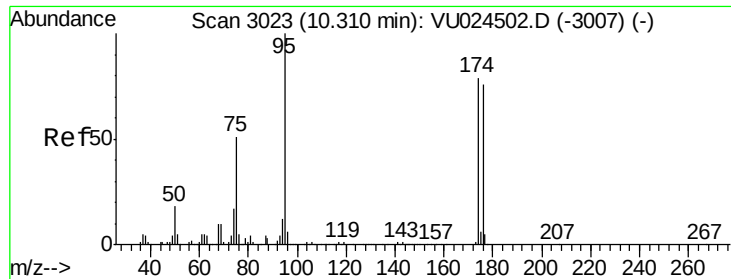
100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 44.946 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025010.D

Acq: 28 Jun 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBL01

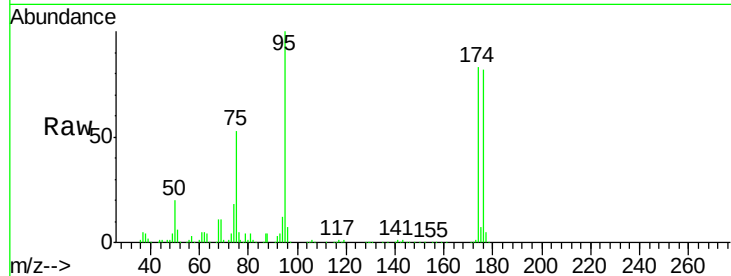
Tgt Ion: 95 Resp: 177702

Ion Ratio Lower Upper

95 100

174 84.1 0.0 165.8

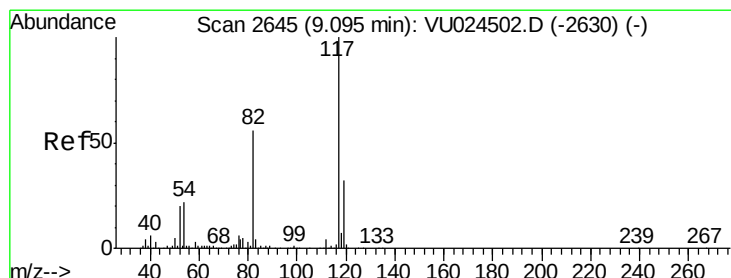
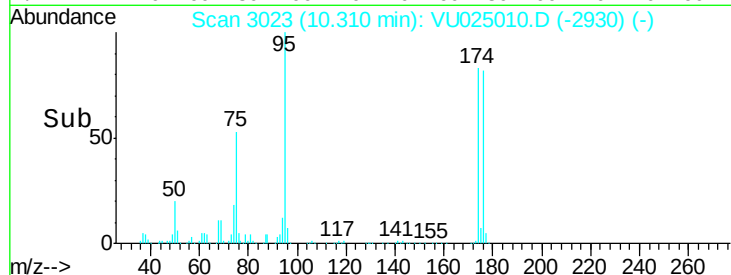
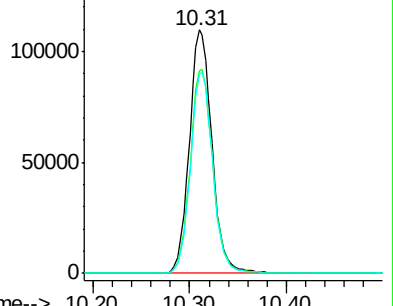
176 81.6 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU025010.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU025010.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU025010.D (-2930) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU025010.D

Acq: 28 Jun 2018 10:57

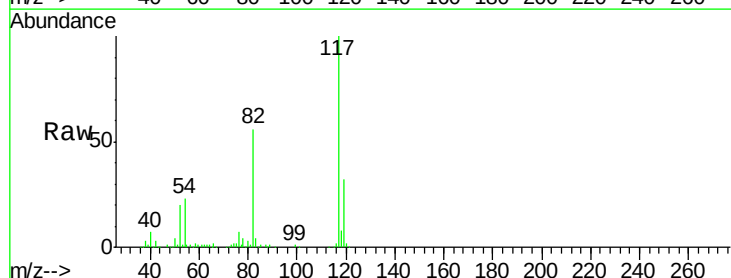
Tgt Ion: 117 Resp: 305308

Ion Ratio Lower Upper

117 100

82 56.4 44.3 66.5

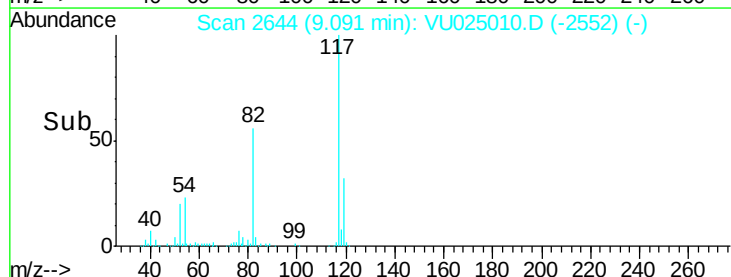
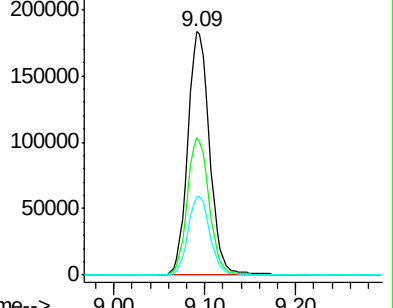
119 32.1 25.4 38.2

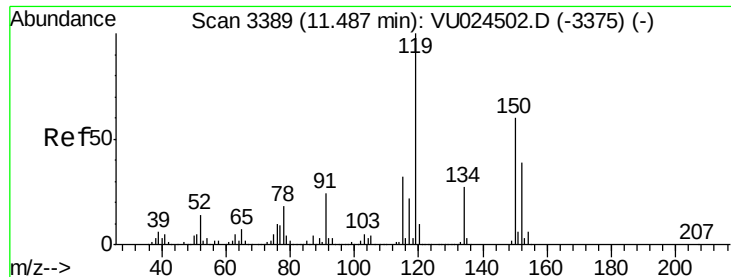


Abundance Ion 116.90 (116.60 to 117.60): VU025010.D (-2552) (-)

Ion 82.00 (81.70 to 82.70): VU025010.D (-2552) (-)

Ion 118.90 (118.60 to 119.60): VU025010.D (-2552) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025010.D

Acq: 28 Jun 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBL01

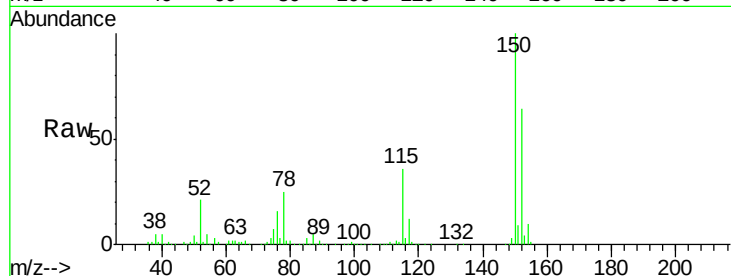
Tgt Ion:152 Resp: 163310

Ion Ratio Lower Upper

152 100

115 57.5 43.0 129.0

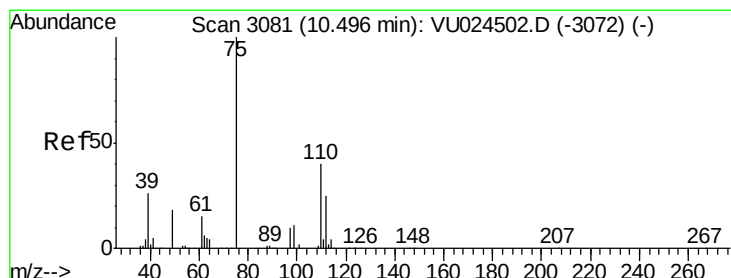
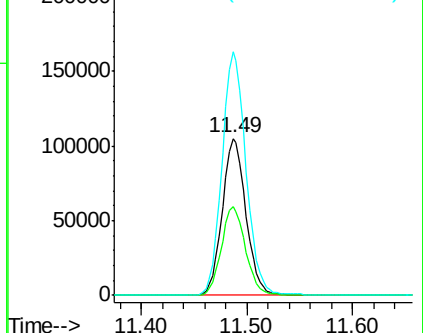
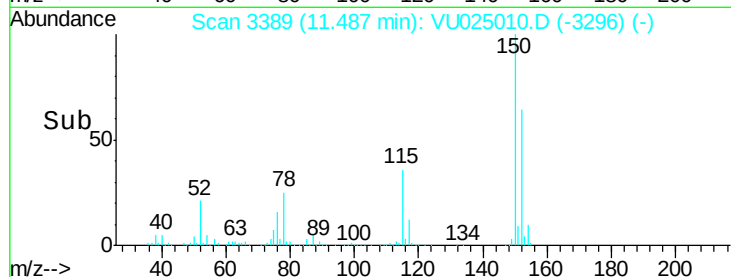
150 157.1 0.0 354.0



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: 25.786 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025010.D

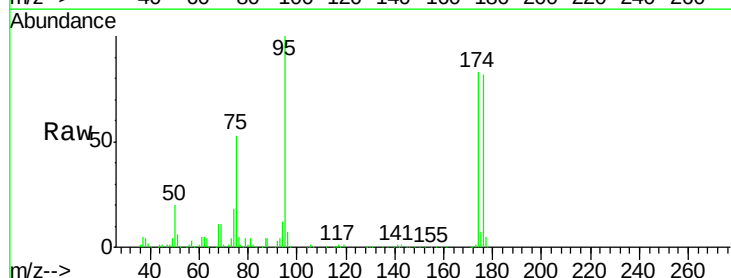
Acq: 28 Jun 2018 10:57

Tgt Ion: 75 Resp: 92712

Ion Ratio Lower Upper

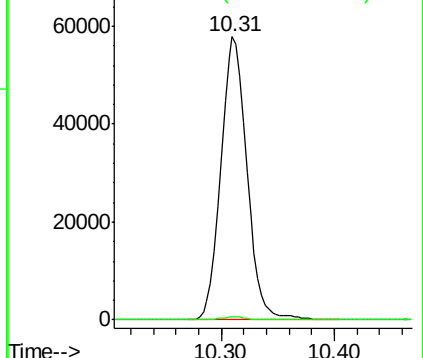
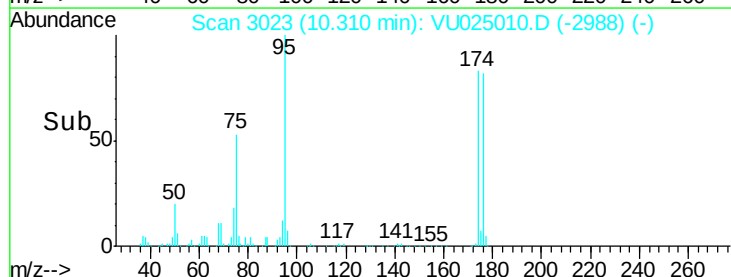
75 100

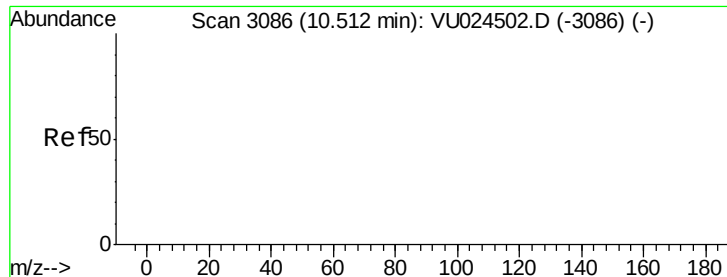
77 1.0 20.9 62.7#



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: 59.679 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025010.D

Acq: 28 Jun 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBL01

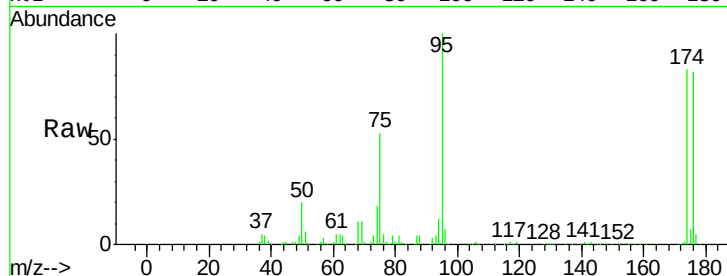
Tgt Ion: 75 Resp: 92712

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

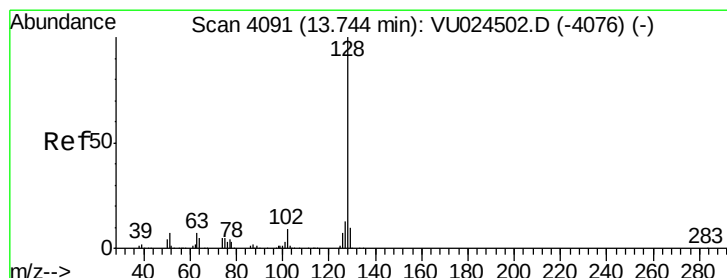
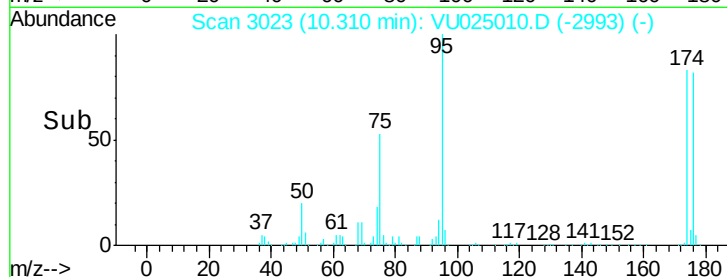
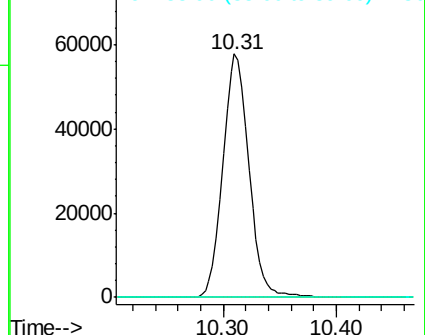
89 0.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#95

Naphthalene

Concen: 0.969 ug/l

RT: 13.76 min Scan# 4096

Delta R.T. 0.02 min

Lab File: VU025010.D

Acq: 28 Jun 2018 10:57

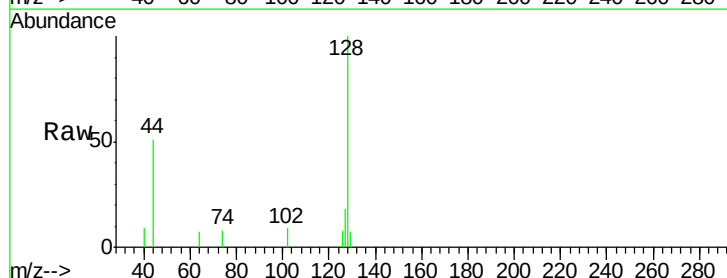
Tgt Ion: 128 Resp: 3527

Ion Ratio Lower Upper

128 100

127 8.6 10.6 16.0#

129 5.4 8.6 12.8#



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

