

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062018\
 Data File : VU024783.D
 Acq On : 21 Jun 2018 02:26
 Operator : MD/SY
 Sample : J3585-16
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jun 21 07:57:42 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

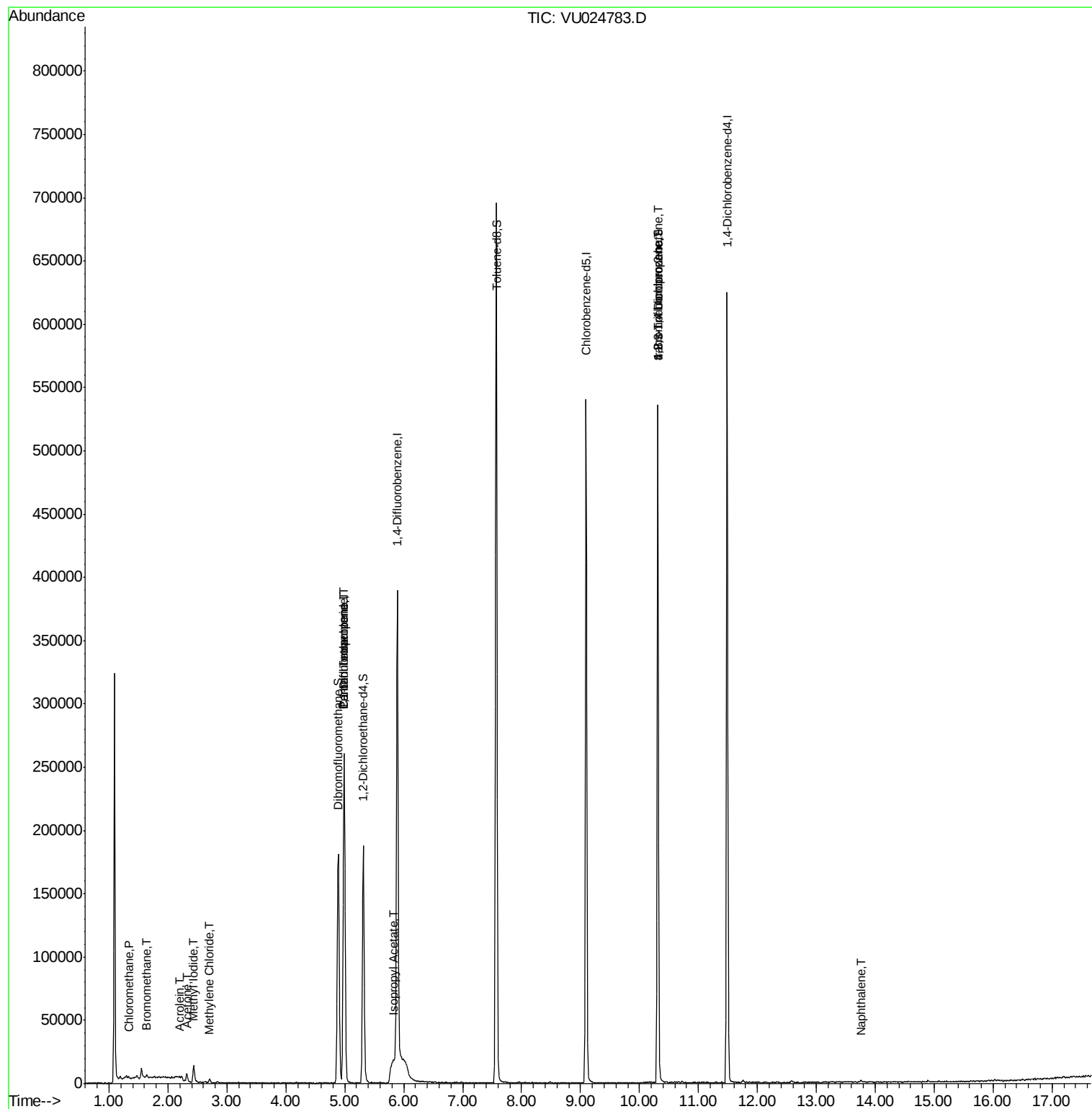
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	203410	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	318431	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	298886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	163021	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	145142	43.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.42%	
35) Dibromofluoromethane	4.89	113	122670	46.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.84%	
50) Toluene-d8	7.57	98	463767	48.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.22%	
62) 4-Bromofluorobenzene	10.31	95	167022	43.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.28%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	1486	0.571	ug/l	90
5) Bromomethane	1.64	94	653	0.504	ug/l	96
6) Chloroethane	1.71	64	105	Below Cal	#	43
10) Methyl Iodide	2.42	142	345	5.432	ug/l #	40
13) Acrolein	2.20	56	178	0.420	ug/l #	13
16) Acetone	2.32	43	7122	3.992	ug/l	93
20) Methylene Chloride	2.70	84	1523	0.544	ug/l #	94
31) Cyclohexane	4.99	56	4164	Below Cal	#	18
36) 1,1-Dichloropropene	4.99	75	14546	3.887	ug/l #	51
38) Carbon Tetrachloride	4.99	117	18532	4.504	ug/l #	15
43) Isopropyl Acetate	5.82	43	23689	3.360	ug/l #	62
76) 1,2,3-Trichloropropane	10.31	75	87080	24.262	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	87080	56.153	ug/l #	100
95) Naphthalene	13.76	128	1838	0.830	ug/l #	77

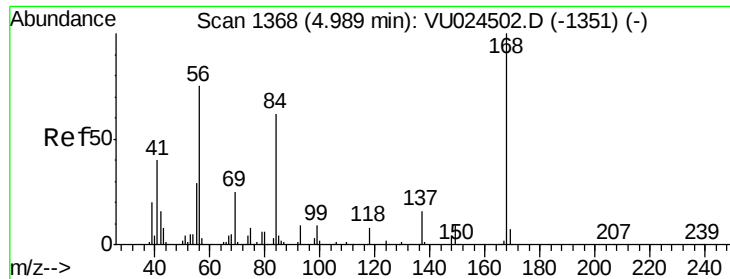
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 21 07:57:42 2018
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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: VU024783.D

Acq: 21 Jun 2018 02:26

Instrument :

MSVOA_U

ClientSampleId :

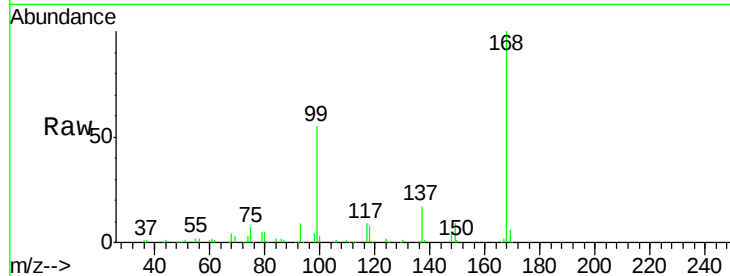
TRIP-BLANK

Tgt Ion:168 Resp: 203410

Ion Ratio Lower Upper

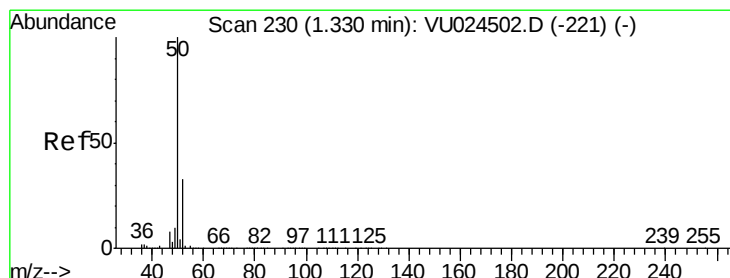
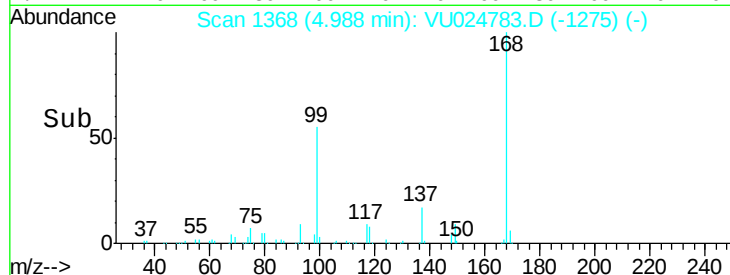
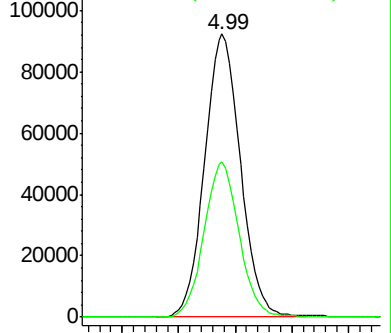
168 100

99 54.9 43.2 64.8



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

Ion 98.90 (98.60 to 99.60): VU024502.D



#3

Chloromethane

Concen: 0.571 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024783.D

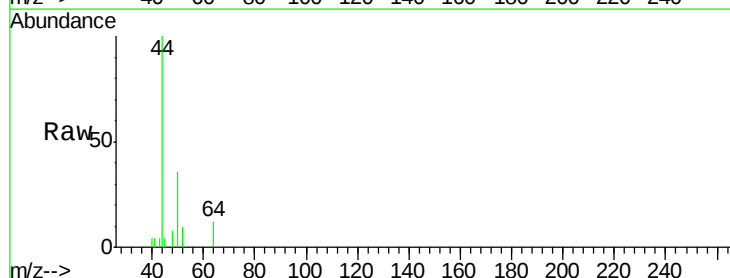
Acq: 21 Jun 2018 02:26

Tgt Ion: 50 Resp: 1486

Ion Ratio Lower Upper

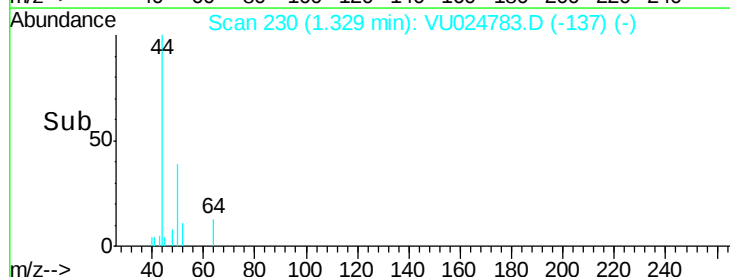
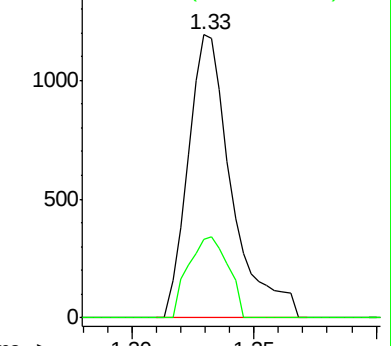
50 100

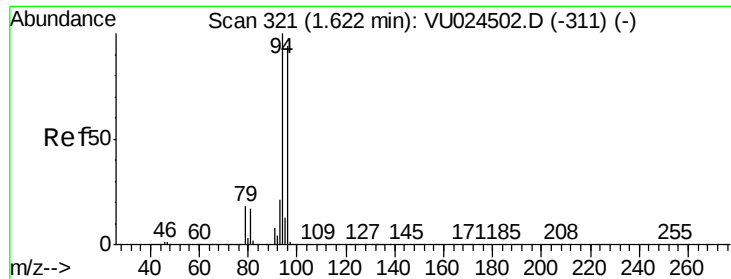
52 27.6 26.4 39.6



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

Ion 51.90 (51.60 to 52.60): VU024502.D





#5

Bromomethane

Concen: 0.504 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU024783.D

Acq: 21 Jun 2018 02:26

Instrument :

MSVOA_U

ClientSampleId :

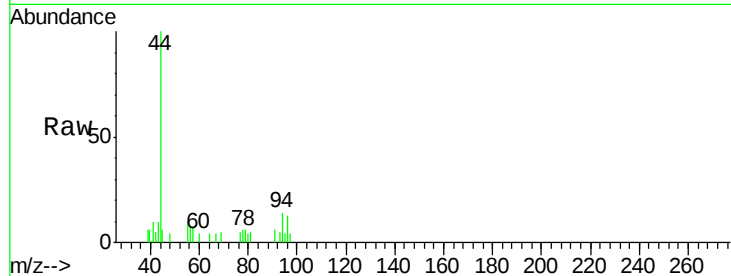
TRIP-BLANK

Tgt Ion: 94 Resp: 653

Ion Ratio Lower Upper

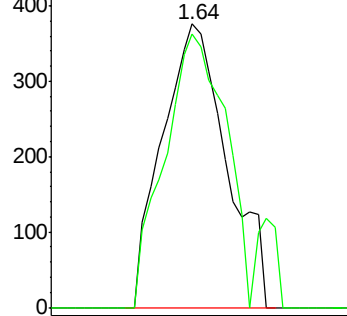
94 100

96 96.5 74.5 111.7

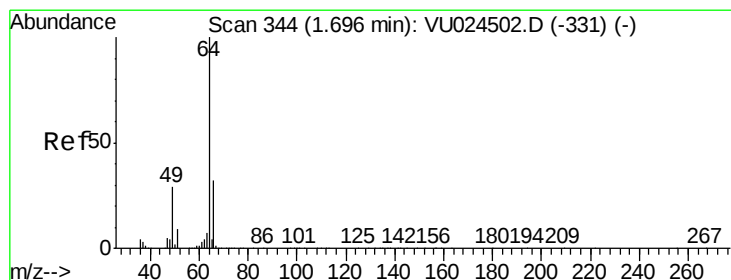
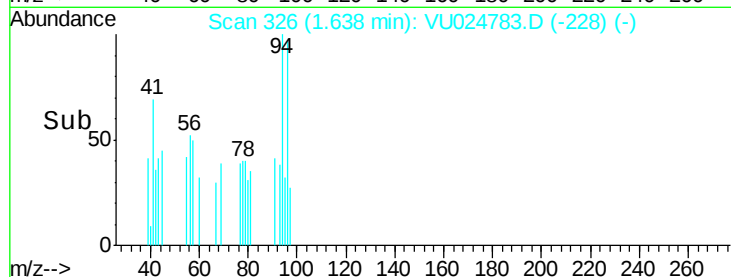


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 348

Delta R.T. 0.01 min

Lab File: VU024783.D

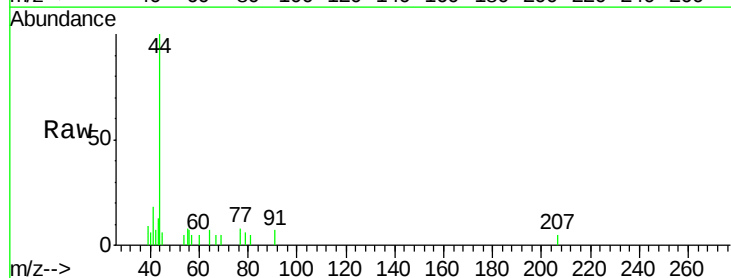
Acq: 21 Jun 2018 02:26

Tgt Ion: 64 Resp: 105

Ion Ratio Lower Upper

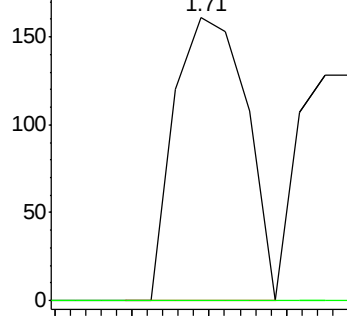
64 100

66 0.0 25.5 38.3#

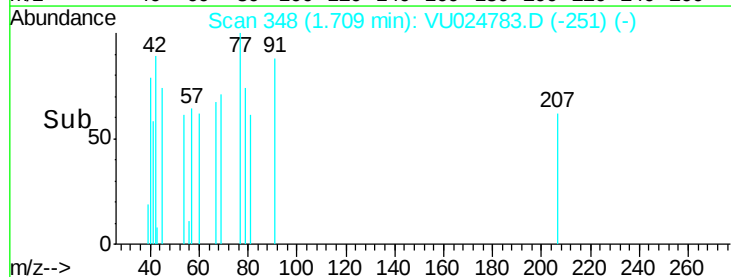


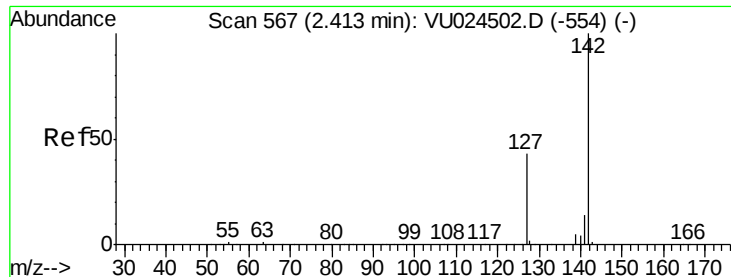
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time-->

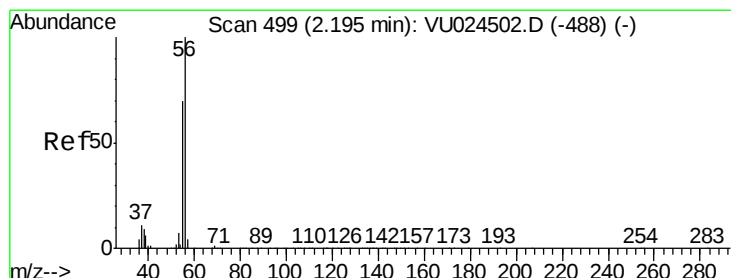
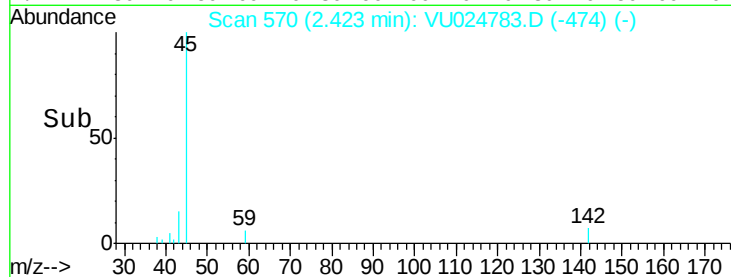
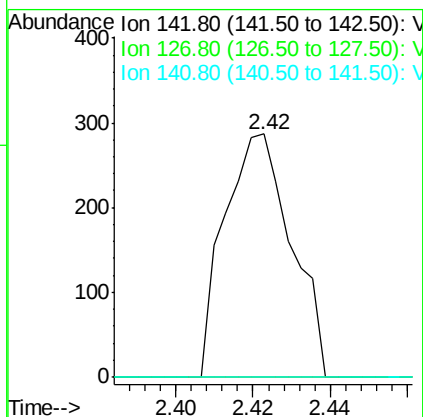
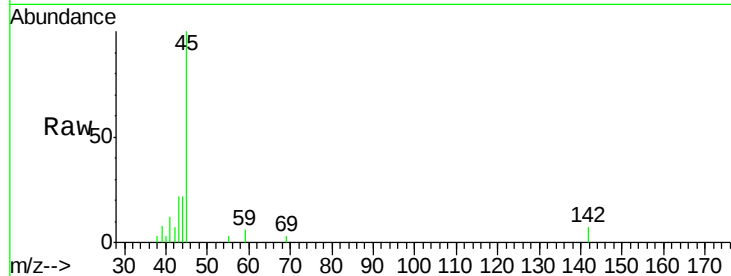




#10
Methyl Iodide
Concen: 5.432 ug/l
RT: 2.42 min Scan# 570
Delta R.T. 0.01 min
Lab File: VU024783.D
Acq: 21 Jun 2018 02:26

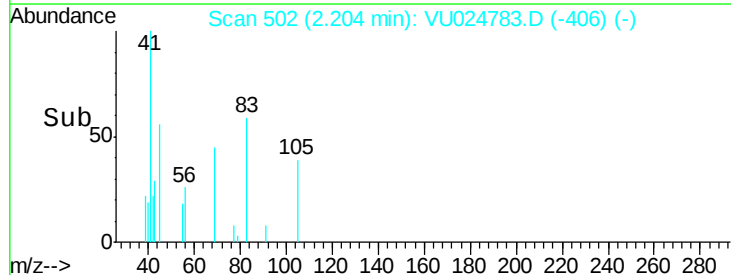
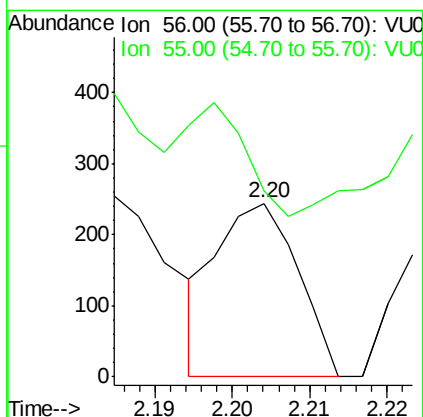
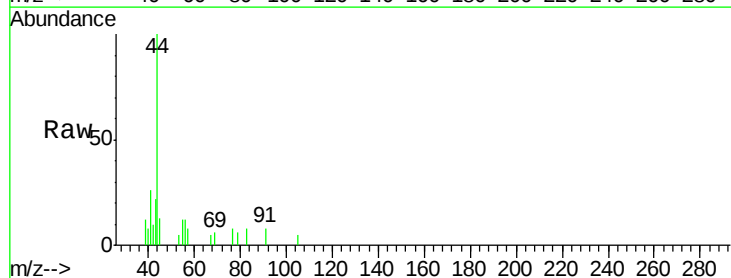
Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK

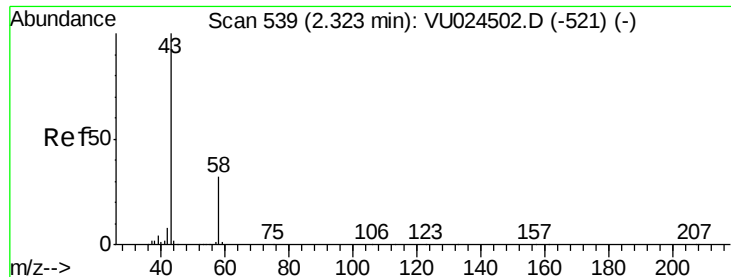
Tgt Ion: 142 Resp: 345
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#



#13
Acrolein
Concen: 0.420 ug/l
RT: 2.20 min Scan# 502
Delta R.T. 0.01 min
Lab File: VU024783.D
Acq: 21 Jun 2018 02:26

Tgt Ion: 56 Resp: 178
Ion Ratio Lower Upper
56 100
55 0.0 58.4 87.6#





#16

Acetone

Concen: 3.992 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024783.D

Acq: 21 Jun 2018 02:26

Instrument :

MSVOA_U

ClientSampleId :

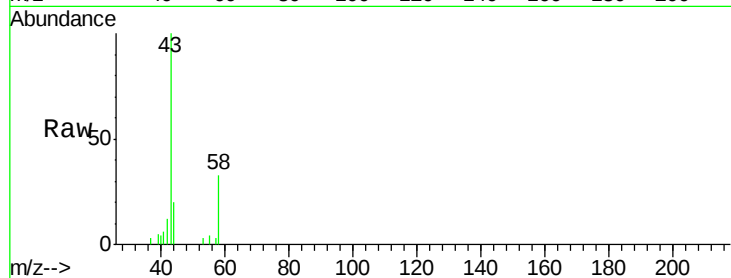
TRIP-BLANK

Tgt Ion: 43 Resp: 7122

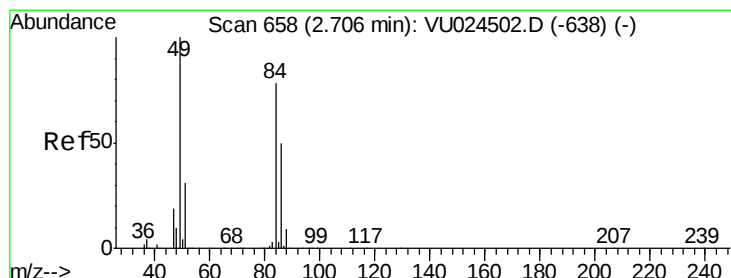
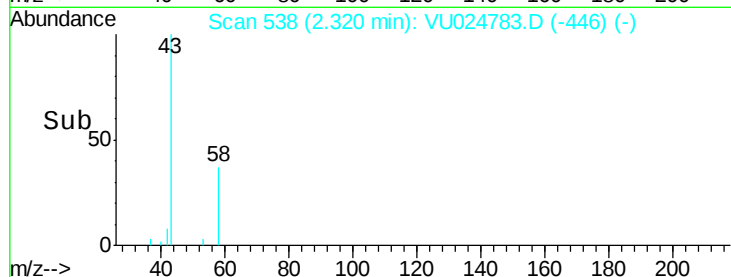
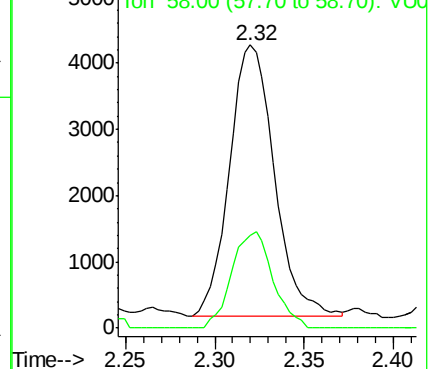
Ion Ratio Lower Upper

43 100

58 34.4 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024783.D (-446) (-)



#20

Methylene Chloride

Concen: 0.544 ug/l

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU024783.D

Acq: 21 Jun 2018 02:26

Tgt Ion: 84 Resp: 1523

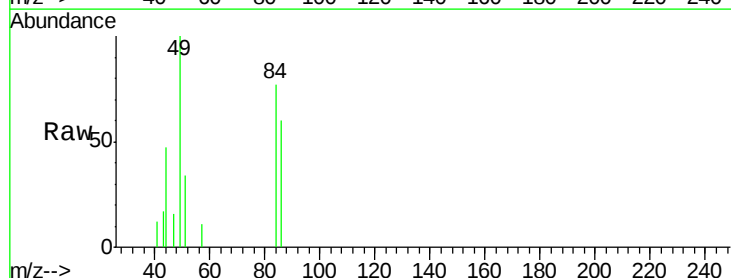
Ion Ratio Lower Upper

84 100

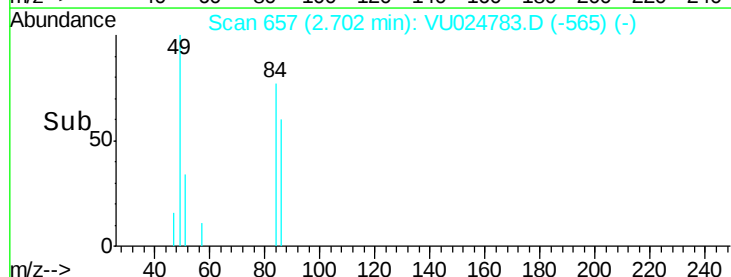
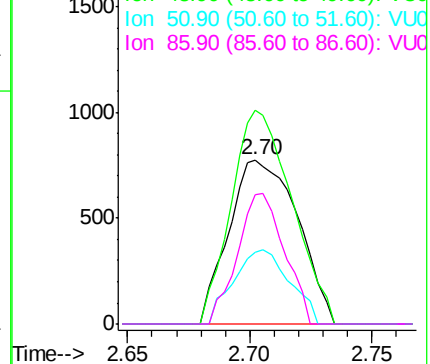
49 130.0 103.8 155.8

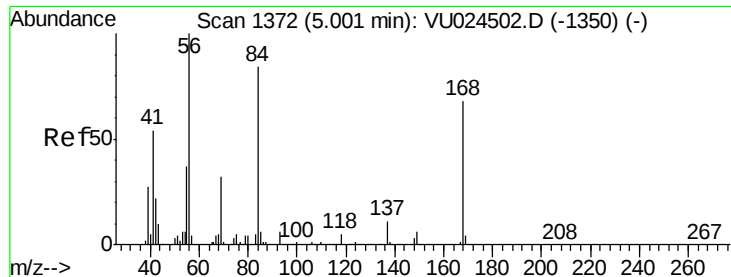
51 44.0 32.0 48.0

86 78.4 51.6 77.4#



Abundance Ion 83.90 (83.60 to 84.60): VU024783.D (-565) (-)

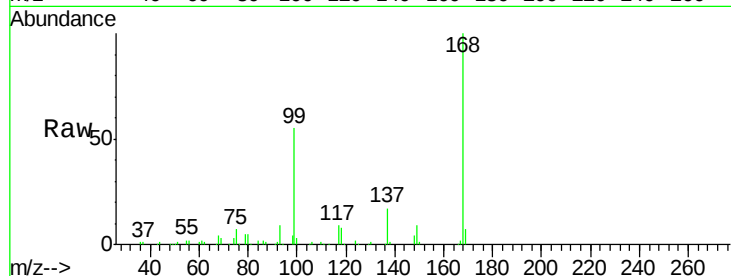




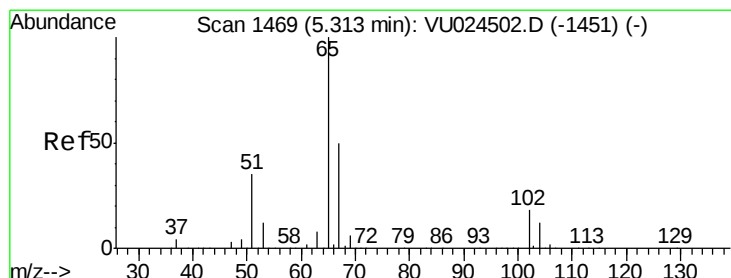
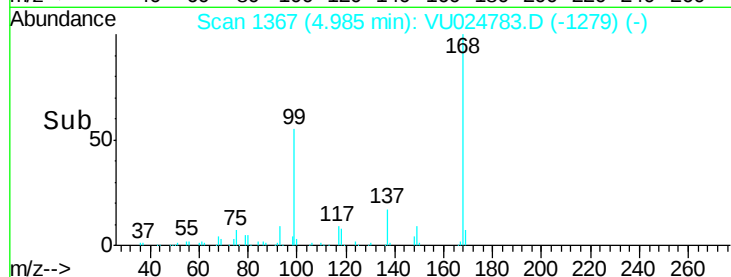
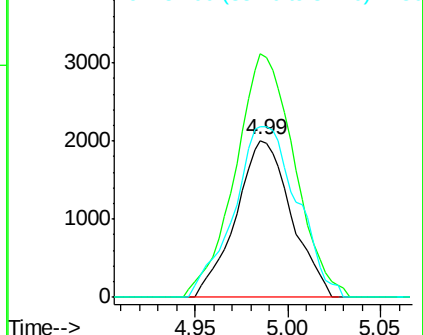
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU024783.D
Acq: 21 Jun 2018 02:26

Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK

Tgt Ion: 56 Resp: 4164
Ion Ratio Lower Upper
56 100
69 150.3 24.8 37.2#
84 108.7 65.2 97.8#

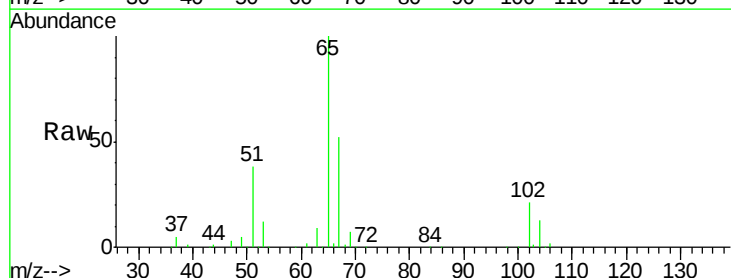


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

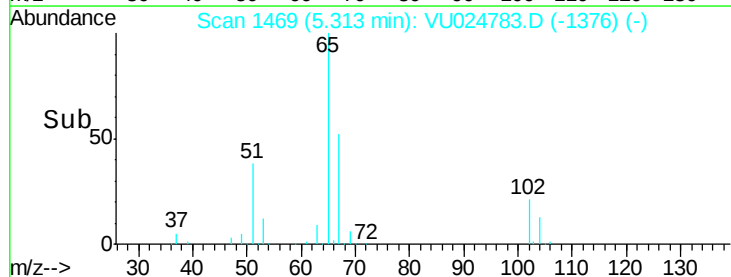
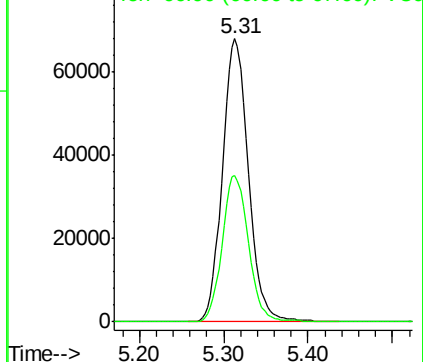


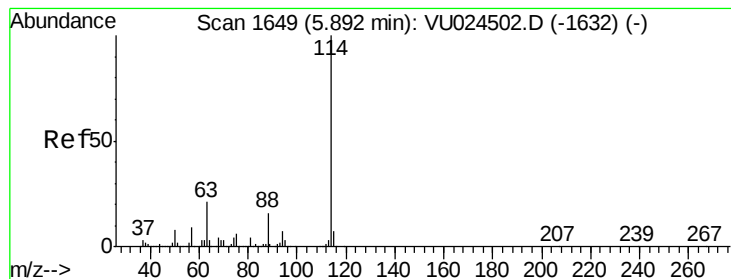
#33
1,2-Dichloroethane-d4
Concen: 43.708 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU024783.D
Acq: 21 Jun 2018 02:26

Tgt Ion: 65 Resp: 145142
Ion Ratio Lower Upper
65 100
67 52.6 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: VU024783.D

Acq: 21 Jun 2018 02:26

Instrument :

MSVOA_U

ClientSampleId :

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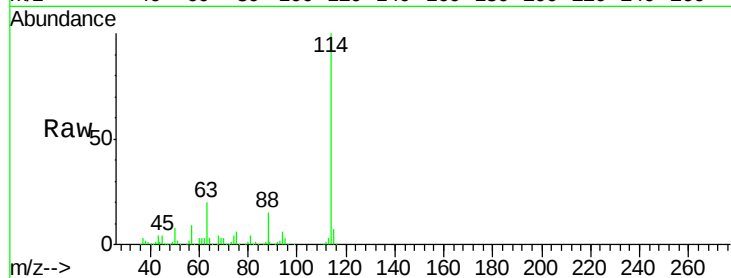
Tgt Ion:114 Resp: 318431

Ion Ratio Lower Upper

114 100

63 20.0 0.0 45.4

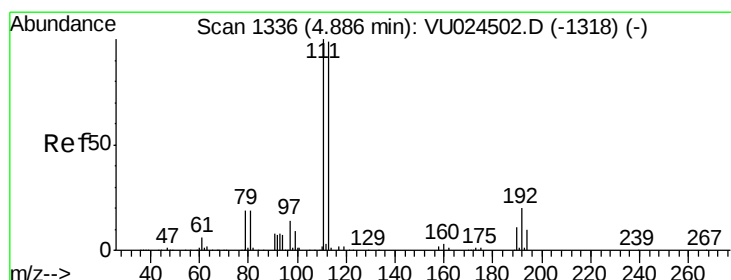
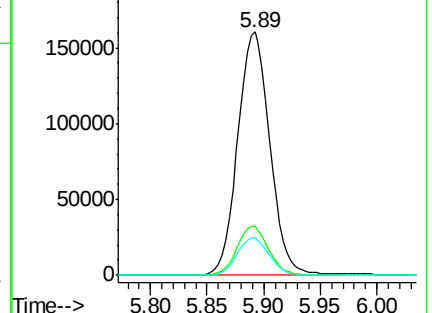
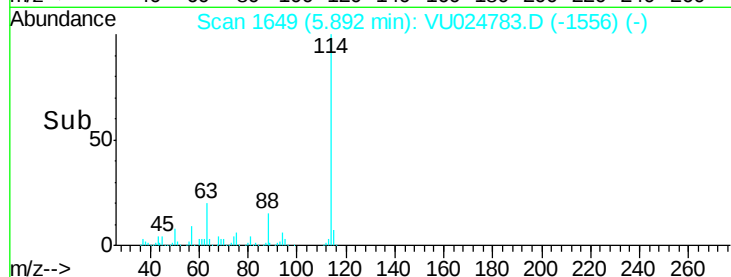
88 15.4 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 46.418 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024783.D

Acq: 21 Jun 2018 02:26

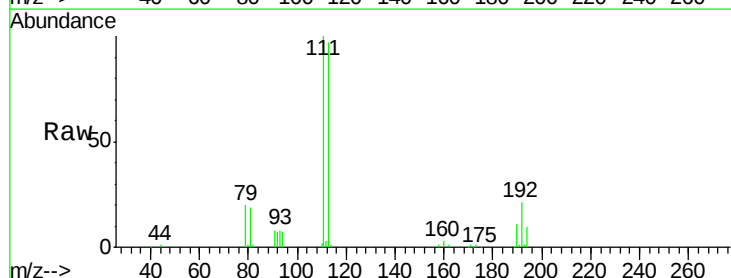
Tgt Ion:113 Resp: 122670

Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.4

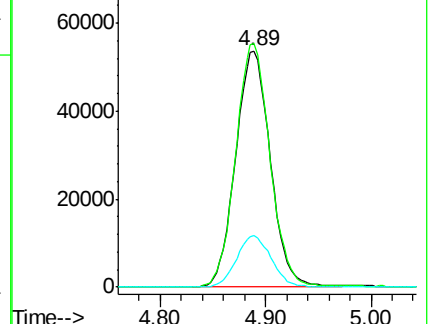
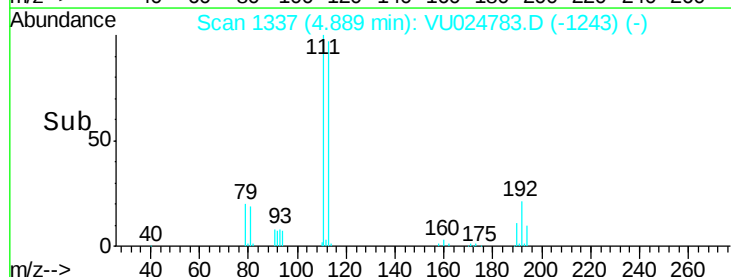
192 21.7 16.2 24.4

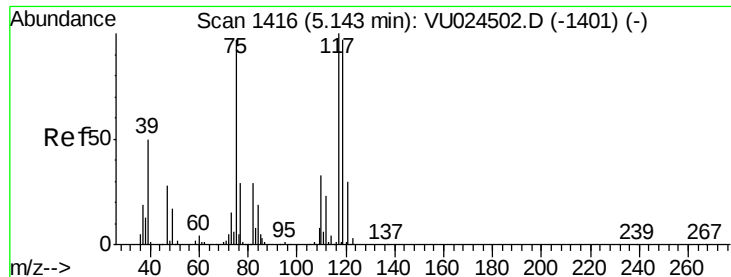


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.887 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024783.D

Acq: 21 Jun 2018 02:26

Instrument :

MSVOA_U

ClientSampleId :

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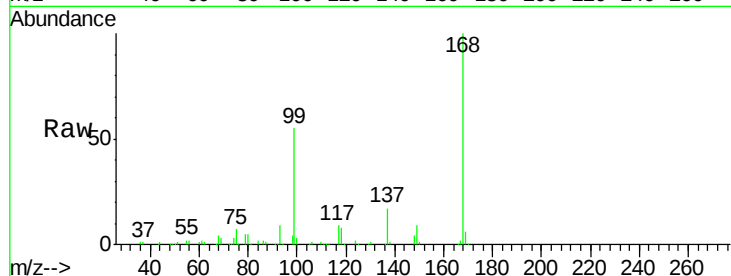
Tgt Ion: 75 Resp: 14546

Ion Ratio Lower Upper

75 100

110 8.9 17.0 50.9#

77 0.0 24.2 36.4#

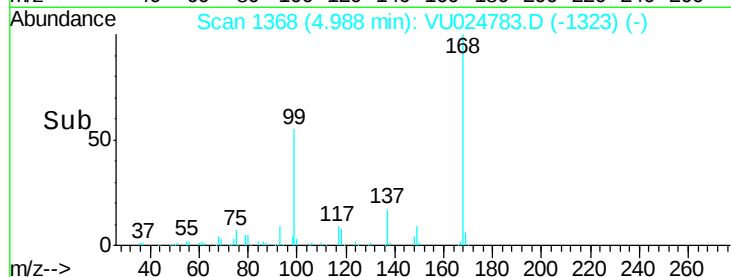


Abundance Ion 74.90 (74.60 to 75.60): VU024783.D (-1323) (-)

Ion 109.90 (109.60 to 110.60): VU024783.D (-1323) (-)

Ion 76.90 (76.60 to 77.60): VU024783.D (-1323) (-)

Time-->



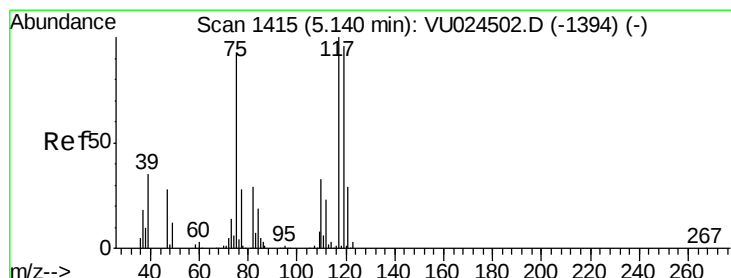
Abundance

Ion 74.90 (74.60 to 75.60): VU024783.D (-1323) (-)

Ion 109.90 (109.60 to 110.60): VU024783.D (-1323) (-)

Ion 76.90 (76.60 to 77.60): VU024783.D (-1323) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.504 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024783.D

Acq: 21 Jun 2018 02:26

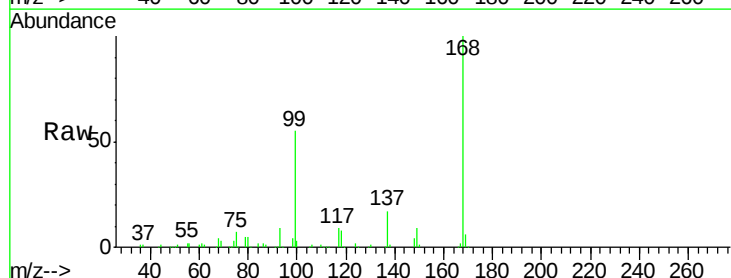
Tgt Ion: 117 Resp: 18532

Ion Ratio Lower Upper

117 100

119 3.4 76.1 114.1#

121 0.0 23.7 35.5#

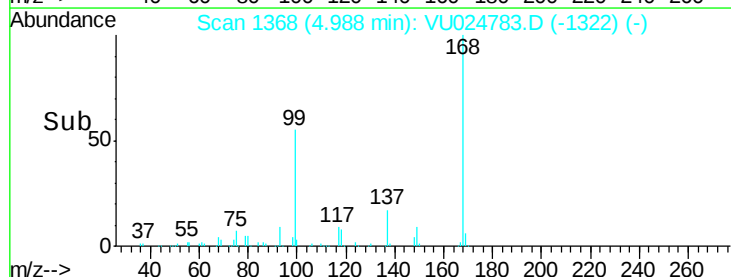


Abundance Ion 116.80 (116.50 to 117.50): VU024783.D (-1322) (-)

Ion 118.80 (118.50 to 119.50): VU024783.D (-1322) (-)

Ion 120.80 (120.50 to 121.50): VU024783.D (-1322) (-)

Time-->



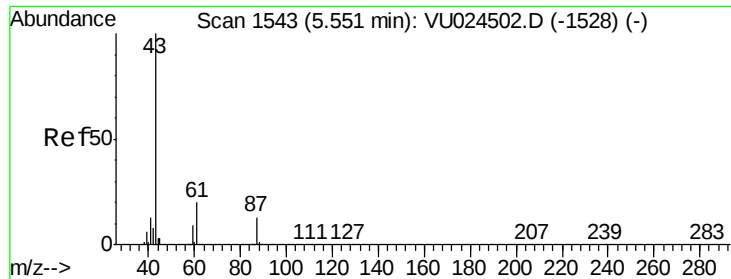
Abundance

Ion 116.80 (116.50 to 117.50): VU024783.D (-1322) (-)

Ion 118.80 (118.50 to 119.50): VU024783.D (-1322) (-)

Ion 120.80 (120.50 to 121.50): VU024783.D (-1322) (-)

Time-->



#43

Isopropyl Acetate

Concen: 3.360 ug/l

RT: 5.82 min Scan# 1628

Delta R.T. 0.27 min

Lab File: VU024783.D

Acq: 21 Jun 2018 02:26

Instrument :

MSVOA_U

ClientSampleId :

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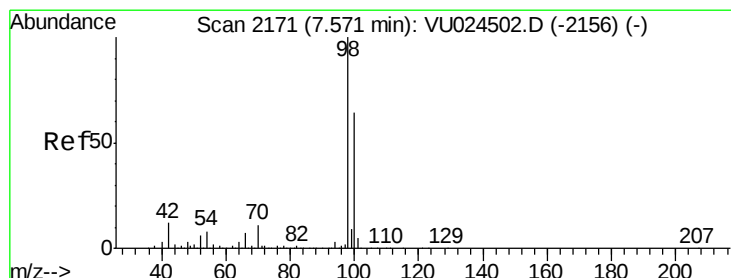
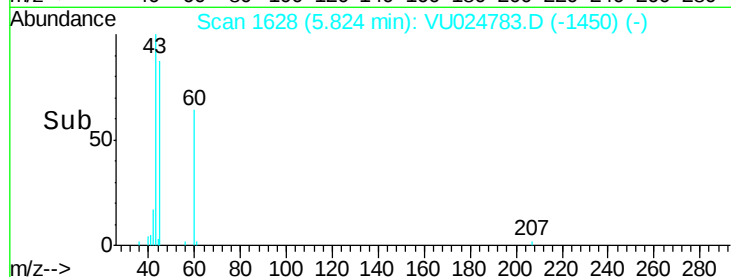
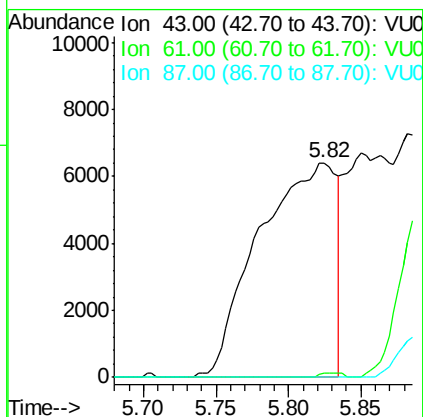
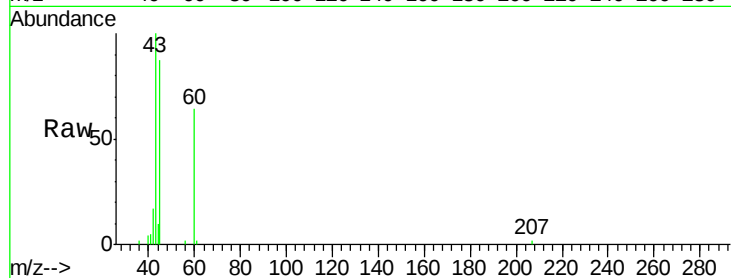
Tgt Ion: 43 Resp: 23689

Ion Ratio Lower Upper

43 100

61 0.5 15.4 23.0#

87 0.0 10.0 15.0#



#50

Toluene-d8

Concen: 48.111 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU024783.D

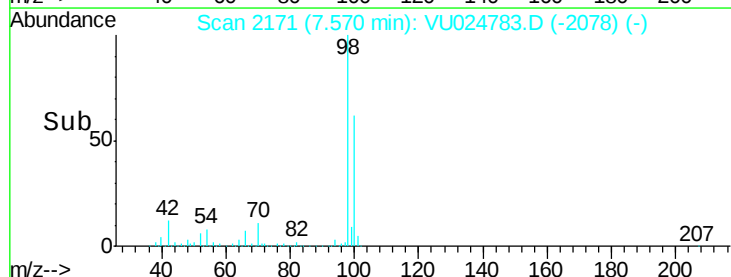
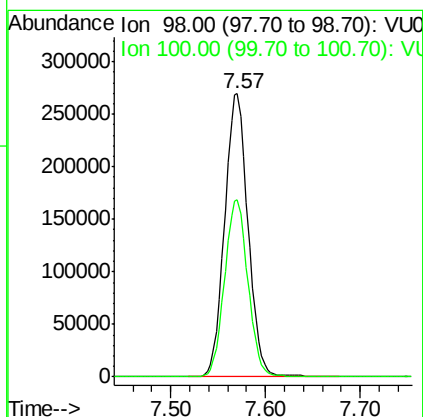
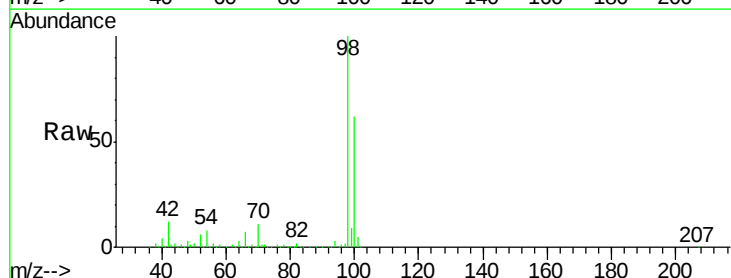
Acq: 21 Jun 2018 02:26

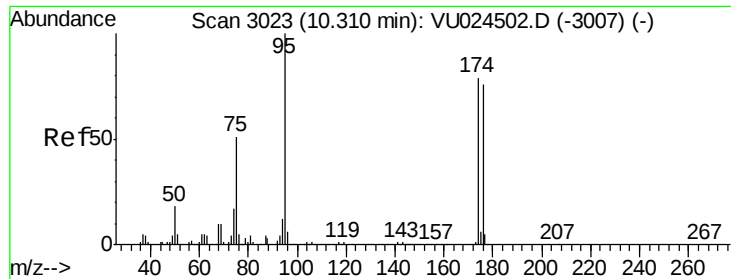
Tgt Ion: 98 Resp: 463767

Ion Ratio Lower Upper

98 100

100 62.5 51.1 76.7

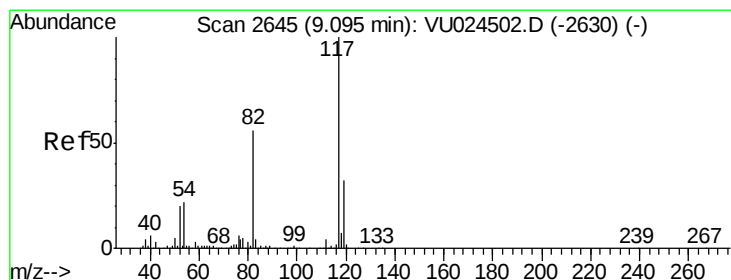
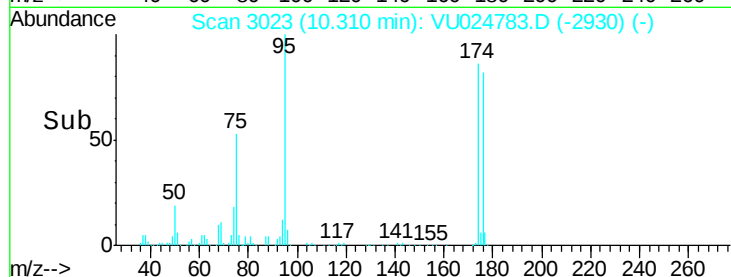
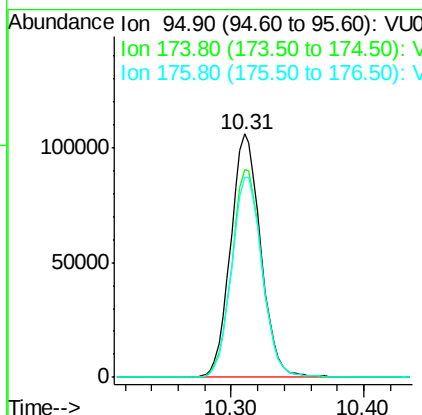
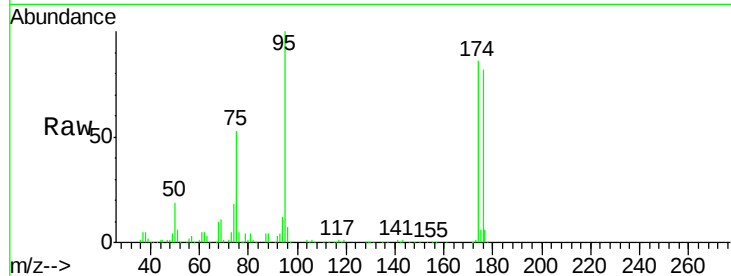




#62
4-Bromofluorobenzene
Concen: 43.639 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024783.D
Acq: 21 Jun 2018 02:26

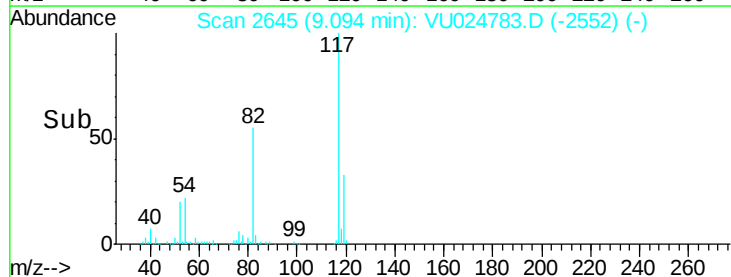
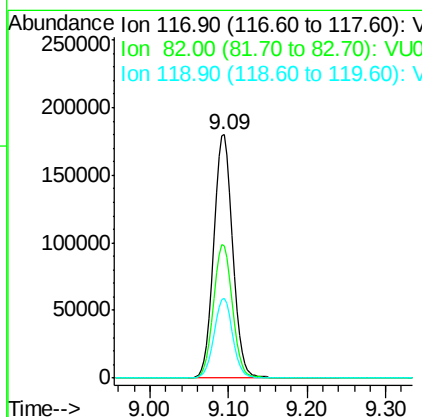
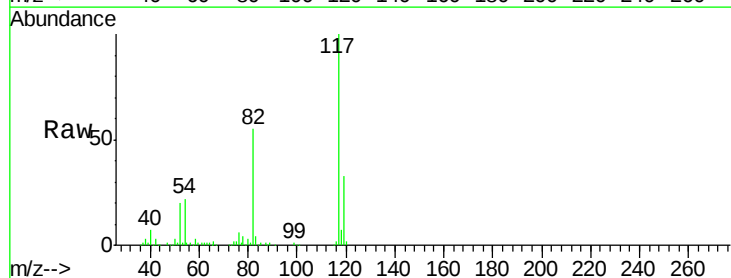
Instrument :
MSVOA_U
ClientSampleId :
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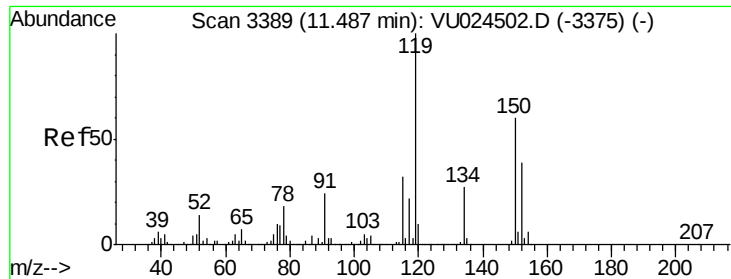
Tgt Ion: 95 Resp: 167022
Ion Ratio Lower Upper
95 100
174 86.2 0.0 165.8
176 83.9 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024783.D
Acq: 21 Jun 2018 02:26

Tgt Ion: 117 Resp: 298886
Ion Ratio Lower Upper
117 100
82 54.6 44.3 66.5
119 32.7 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: VU024783.D

Acq: 21 Jun 2018 02:26

Instrument :

MSVOA_U

ClientSampleId :

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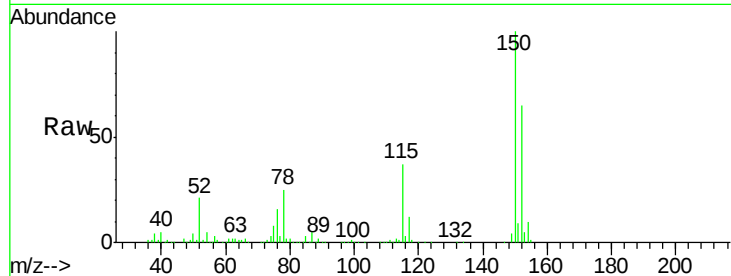
Tgt Ion:152 Resp: 163021

Ion Ratio Lower Upper

152 100

115 55.8 43.0 129.0

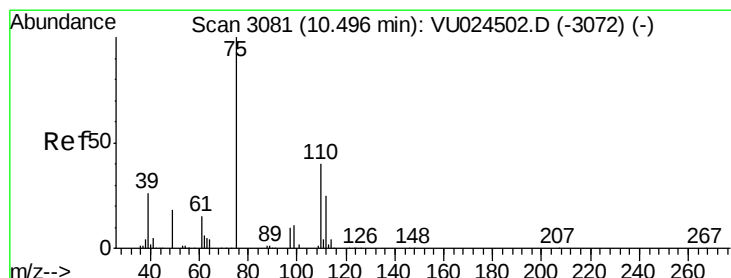
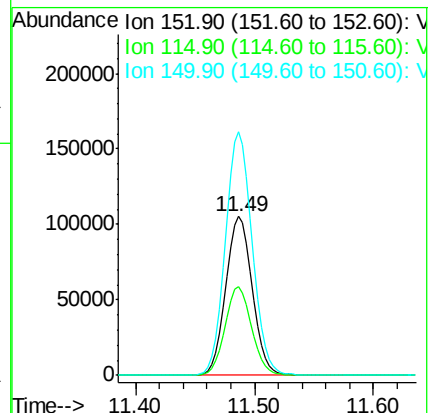
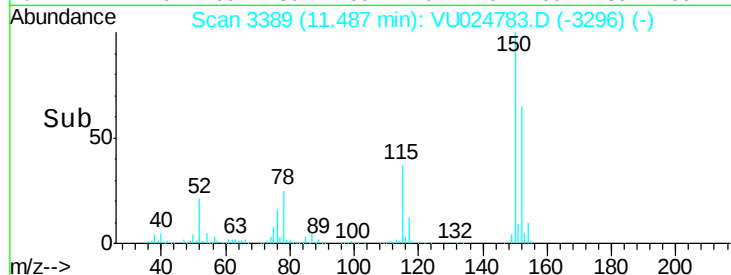
150 154.3 0.0 354.0



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: 24.262 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024783.D

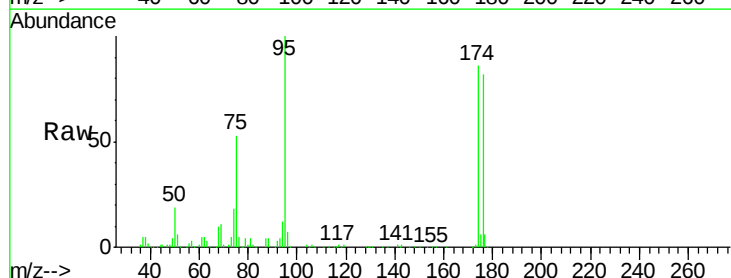
Acq: 21 Jun 2018 02:26

Tgt Ion: 75 Resp: 87080

Ion Ratio Lower Upper

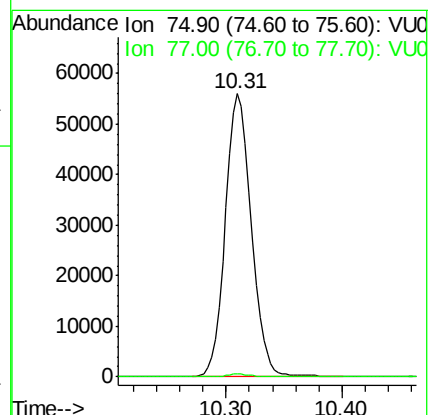
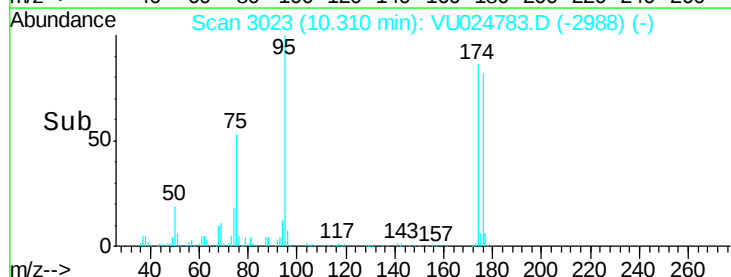
75 100

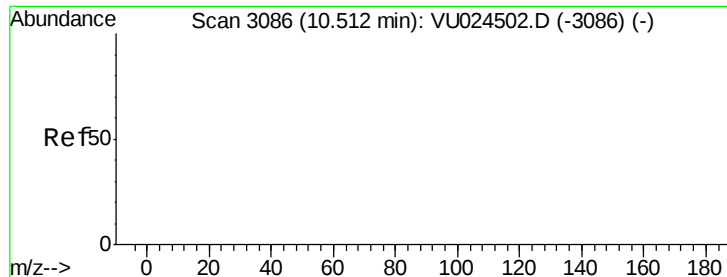
77 0.9 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

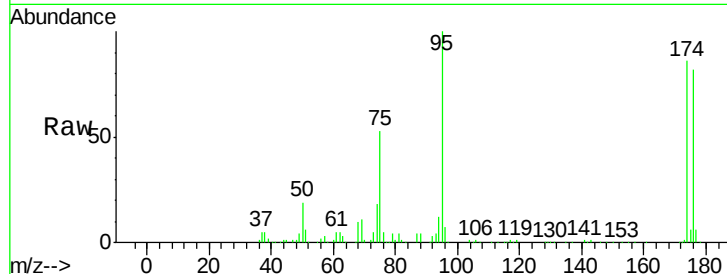




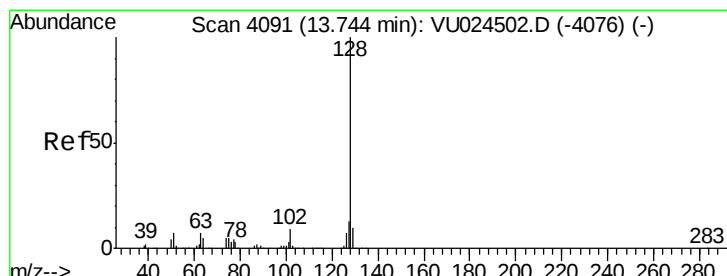
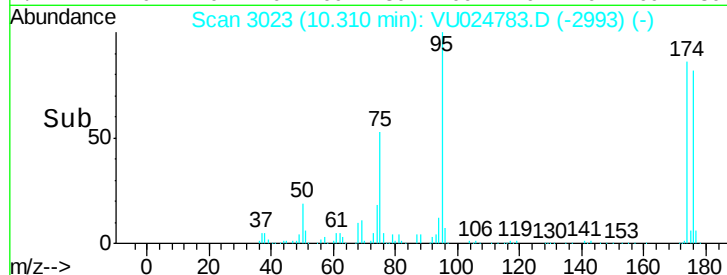
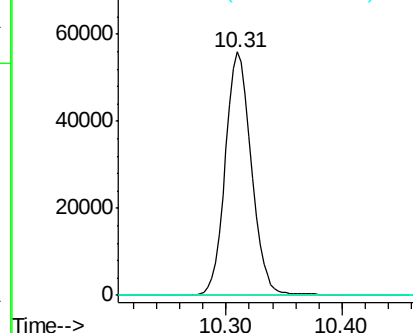
#81
trans-1,4-Dichloro-2-butene
Concen: 56.153 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU024783.D
Acq: 21 Jun 2018 02:26

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion: 75 Resp: 87080
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

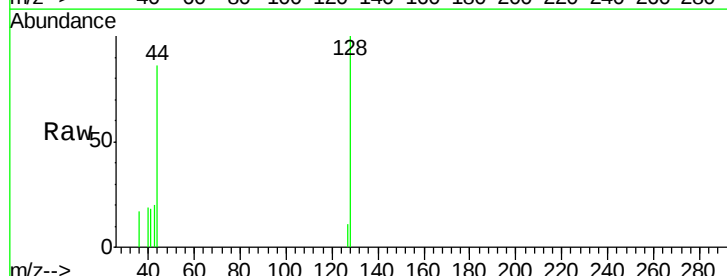


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0



#95
Naphthalene
Concen: 0.830 ug/l
RT: 13.76 min Scan# 4096
Delta R.T. 0.02 min
Lab File: VU024783.D
Acq: 21 Jun 2018 02:26

Tgt Ion: 128 Resp: 1838
Ion Ratio Lower Upper
128 100
127 6.1 10.6 16.0#
129 0.0 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

