

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
 Data File : VU025113.D
 Acq On : 01 Jul 2018 02:30
 Operator : MD/SY
 Sample : J3789-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jul 02 05:46:09 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

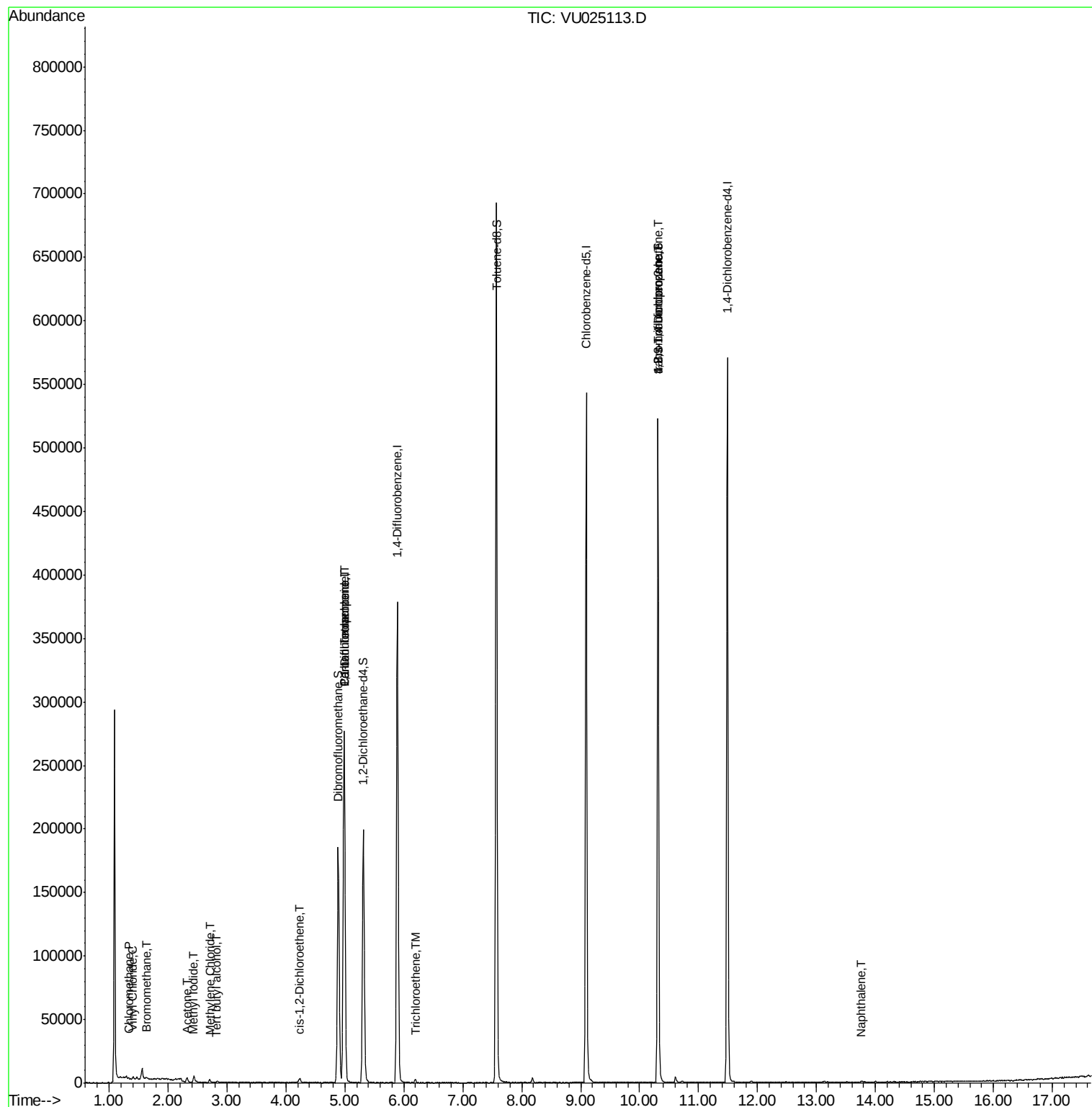
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	215936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	319532	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	295109	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	151282	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	161934	45.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.88%	
35) Dibromofluoromethane	4.89	113	124812	47.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.14%	
50) Toluene-d8	7.57	98	462517	47.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.64%	
62) 4-Bromofluorobenzene	10.31	95	167889	43.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.42%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	1048	0.380	ug/l	99
4) Vinyl Chloride	1.40	62	754	0.265	ug/l #	49
5) Bromomethane	1.63	94	620	0.450	ug/l	99
6) Chloroethane	1.69	64	40	Below Cal	#	43
10) Methyl Iodide	2.42	142	318	5.413	ug/l #	47
11) Tert butyl alcohol	2.82	59	222	0.259	ug/l #	72
16) Acetone	2.32	43	3573	1.886	ug/l	92
20) Methylene Chloride	2.71	84	1114	0.375	ug/l	92
27) cis-1,2-Dichloroethene	4.24	96	1797	0.577	ug/l	95
31) Cyclohexane	4.99	56	4315	Below Cal	#	6
36) 1,1-Dichloropropene	4.99	75	16050	4.275	ug/l #	47
38) Carbon Tetrachloride	4.99	117	20985	5.082	ug/l #	16
44) Trichloroethene	6.20	130	1002	0.329	ug/l	95
76) 1,2,3-Trichloropropane	10.31	75	88858	26.679	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	88858	61.745	ug/l #	100
95) Naphthalene	13.76	128	690	0.740	ug/l #	82

(#) = 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: VU025113.D

Acq: 01 Jul 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

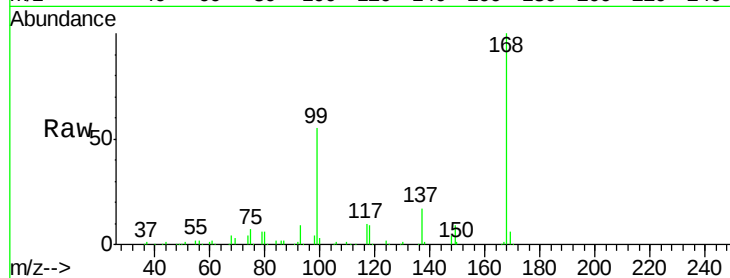
TRIP-BLANK

Tgt Ion:168 Resp: 215936

Ion Ratio Lower Upper

168 100

99 55.2 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

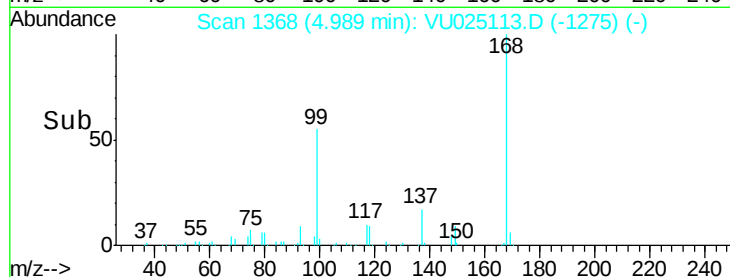
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.380 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025113.D

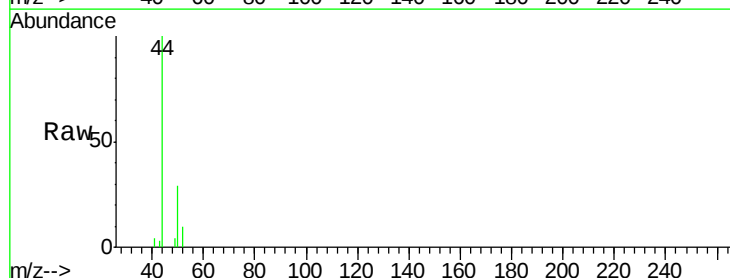
Acq: 01 Jul 2018 02:30

Tgt Ion: 50 Resp: 1048

Ion Ratio Lower Upper

50 100

52 32.6 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

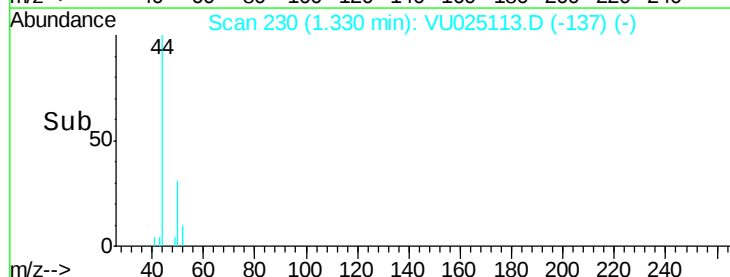
600

400

200

0

Time-->





#4

Vinyl Chloride

Concen: 0.265 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025113.D

Acq: 01 Jul 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

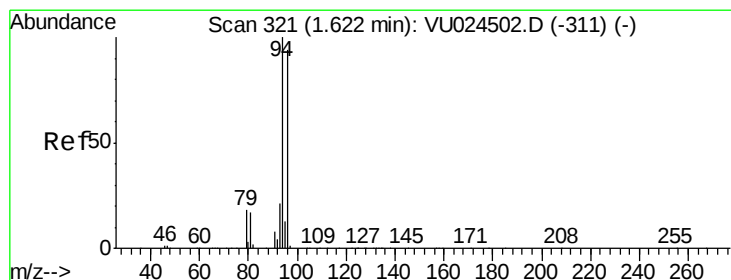
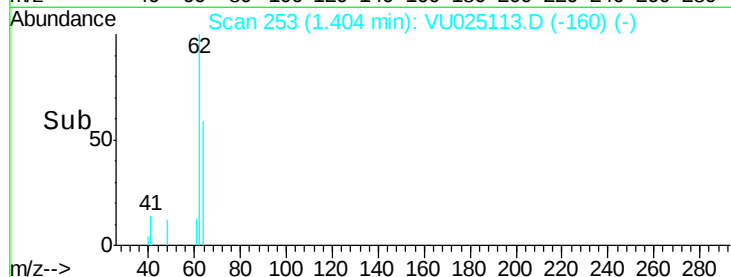
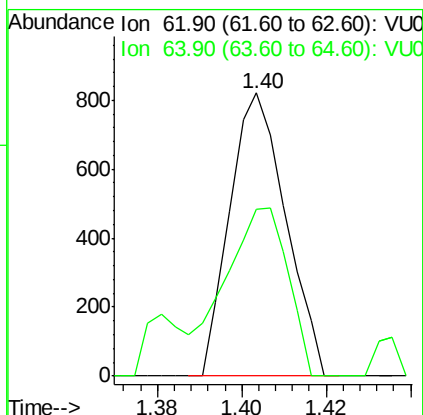
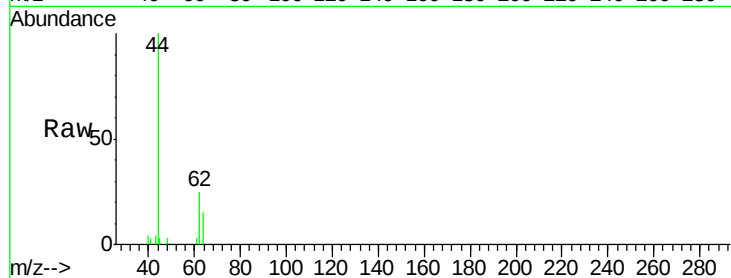
TRIP-BLANK

Tgt Ion: 62 Resp: 754

Ion Ratio Lower Upper

62 100

64 59.0 24.8 37.2#



#5

Bromomethane

Concen: 0.450 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.01 min

Lab File: VU025113.D

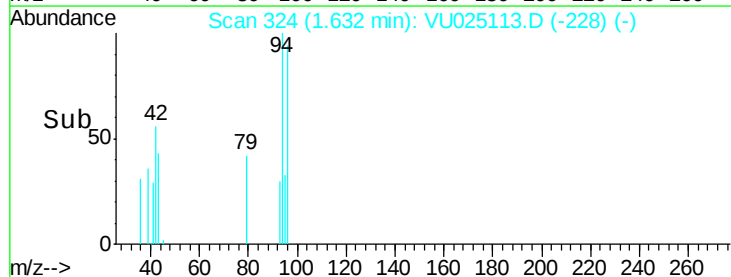
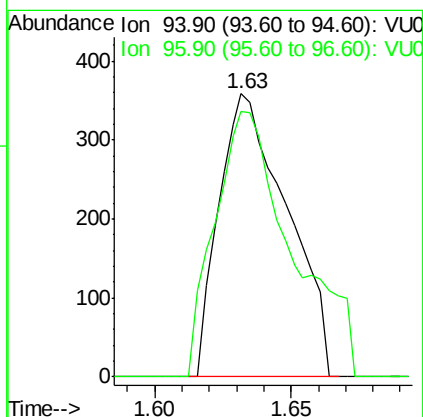
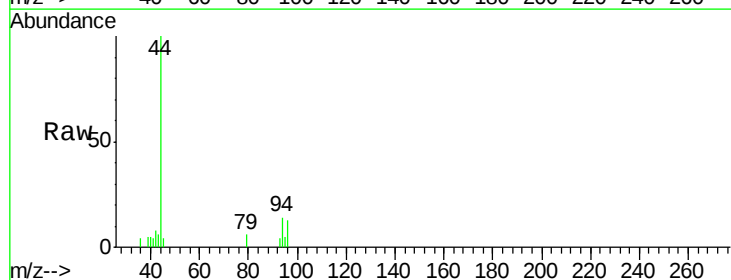
Acq: 01 Jul 2018 02:30

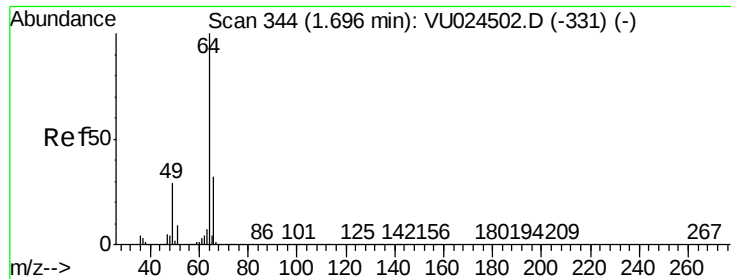
Tgt Ion: 94 Resp: 620

Ion Ratio Lower Upper

94 100

96 93.9 74.5 111.7





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU025113.D

Acq: 01 Jul 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

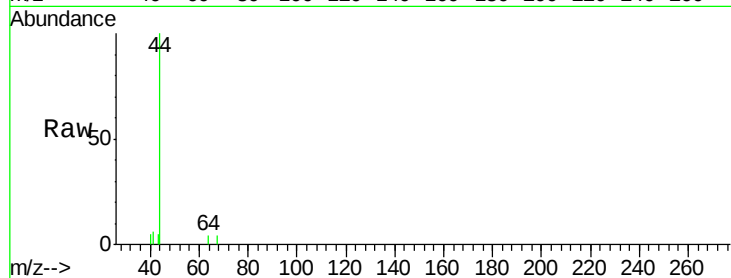
TRIP-BLANK

Tgt Ion: 64 Resp: 40

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

1.69

100

80

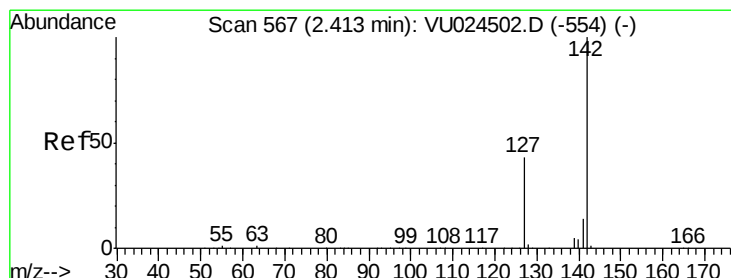
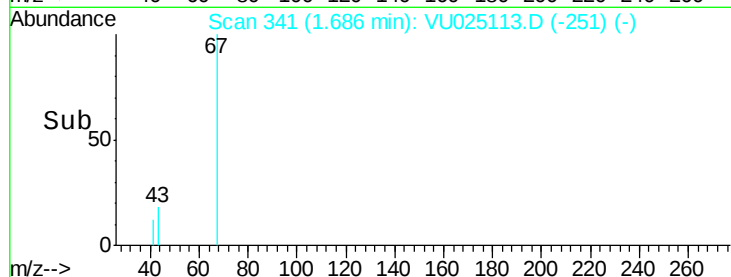
60

40

20

0

Time-->



#10

Methyl Iodide

Concen: 5.413 ug/l

RT: 2.42 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU025113.D

Acq: 01 Jul 2018 02:30

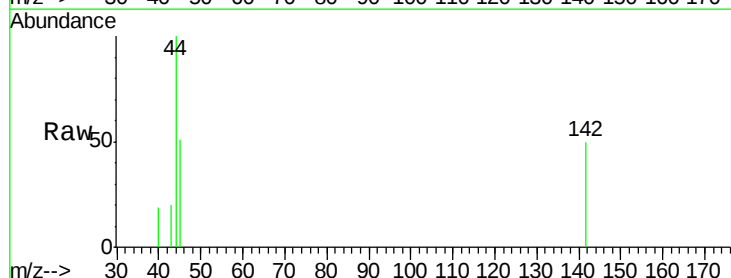
Tgt Ion: 142 Resp: 318

Ion Ratio Lower Upper

142 100

127 6.3 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

2.42

400

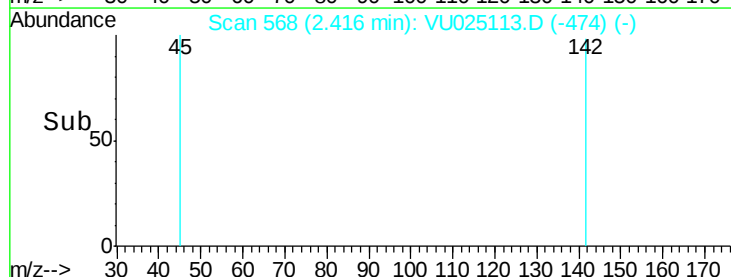
300

200

100

0

Time-->

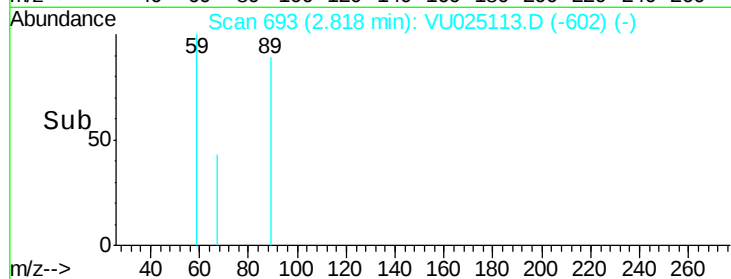
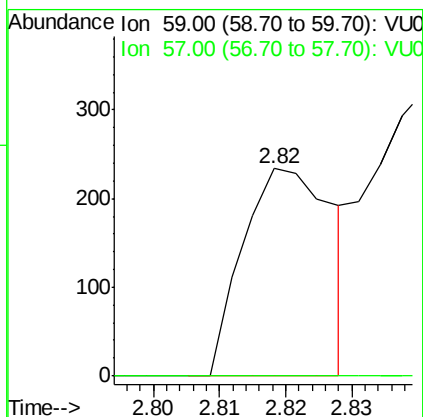
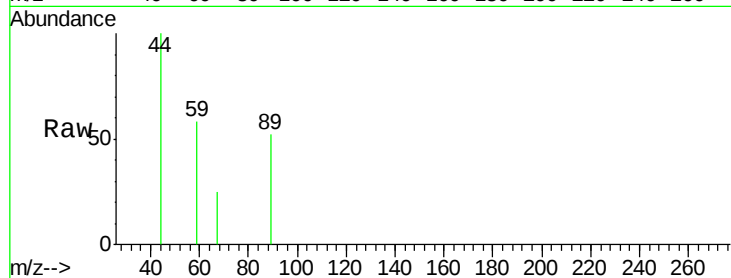




#11
Tert butyl alcohol
Concen: 0.259 ug/l
RT: 2.82 min Scan# 693
Delta R.T. -0.01 min
Lab File: VU025113.D
Acq: 01 Jul 2018 02:30

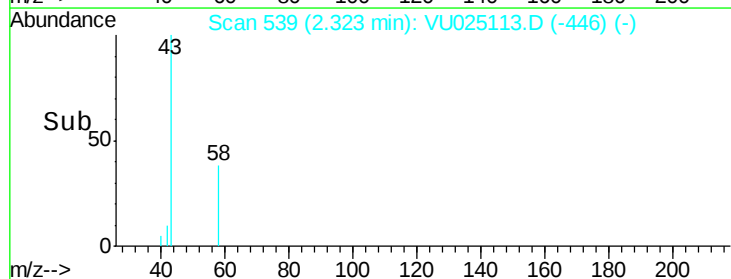
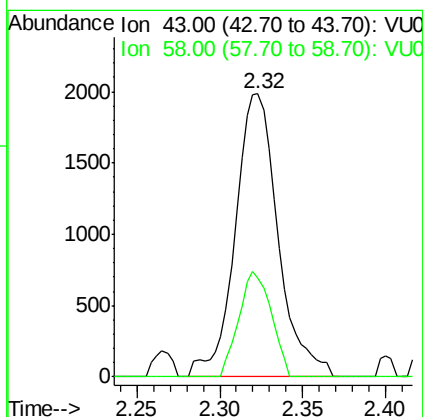
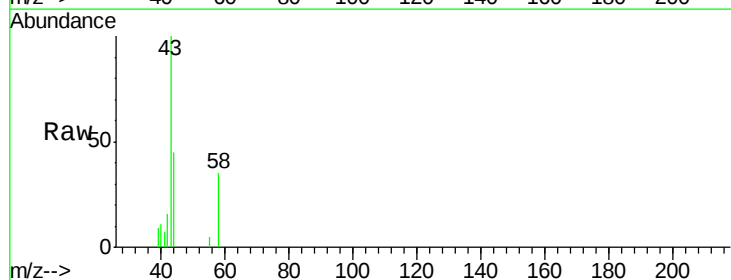
Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK

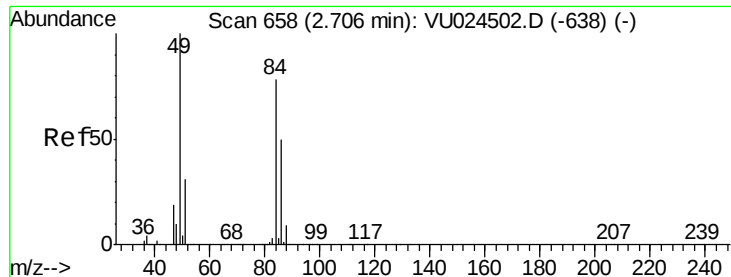
Tgt Ion: 59 Resp: 222
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 1.886 ug/l
RT: 2.32 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU025113.D
Acq: 01 Jul 2018 02:30

Tgt Ion: 43 Resp: 3573
Ion Ratio Lower Upper
43 100
58 34.9 24.4 36.6

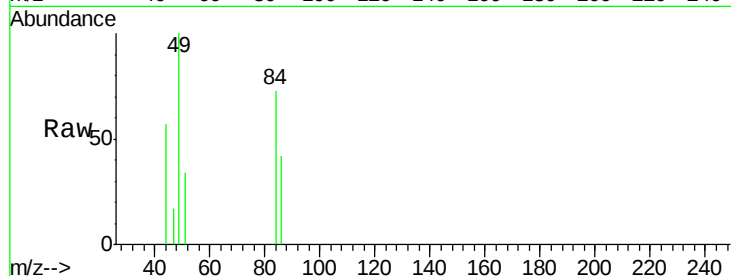




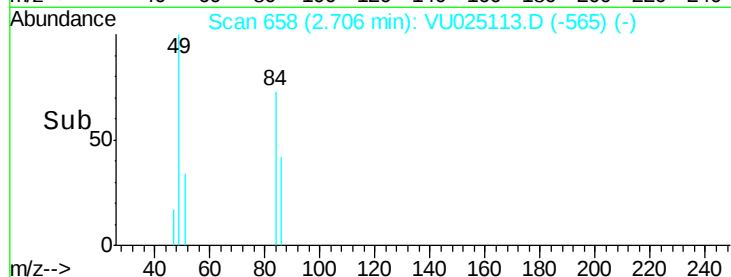
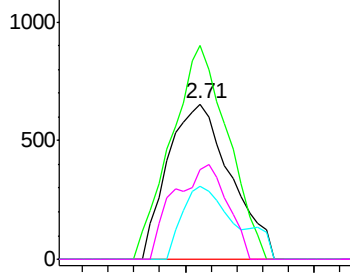
#20
Methylene Chloride
Concen: 0.375 ug/l
RT: 2.71 min Scan# 658
Delta R.T. -0.00 min
Lab File: VU025113.D
Acq: 01 Jul 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK

Tgt Ion: 84 Resp: 1114
Ion Ratio Lower Upper
84 100
49 137.8 103.8 155.8
51 47.1 32.0 48.0
86 58.0 51.6 77.4

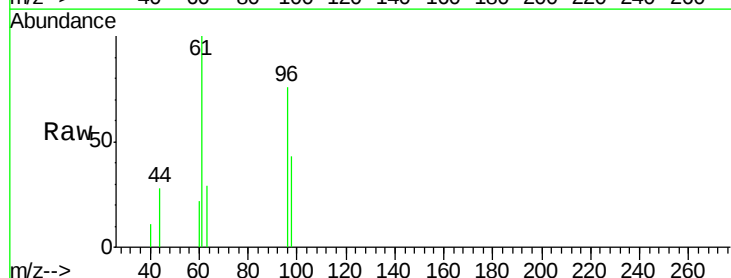
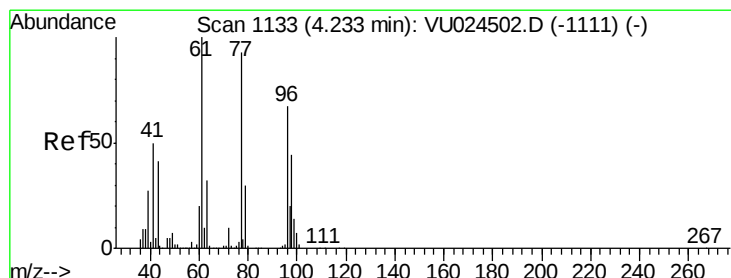


Abundance Ion 83.90 (83.60 to 84.60): VU0
Ion 48.90 (48.60 to 49.60): VU0
Ion 50.90 (50.60 to 51.60): VU0
Ion 85.90 (85.60 to 86.60): VU0

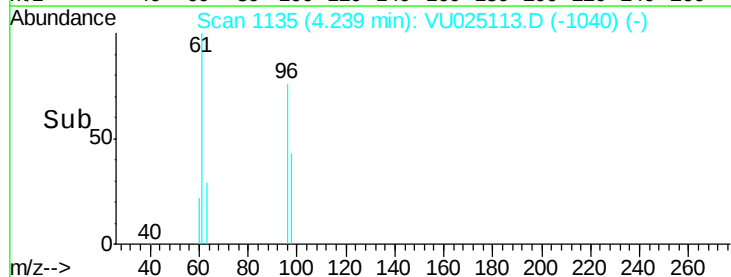
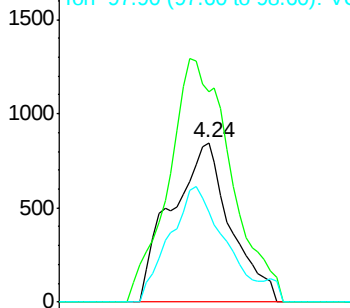


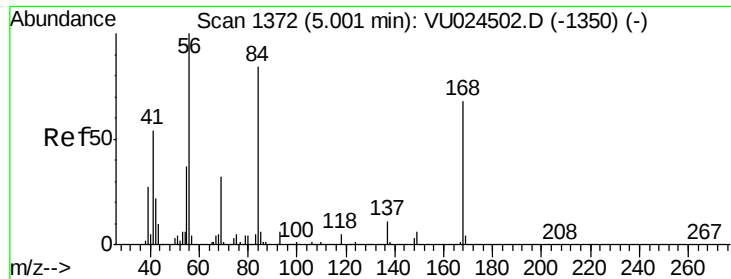
#27
cis-1,2-Dichloroethene
Concen: 0.577 ug/l
RT: 4.24 min Scan# 1135
Delta R.T. 0.01 min
Lab File: VU025113.D
Acq: 01 Jul 2018 02:30

Tgt Ion: 96 Resp: 1797
Ion Ratio Lower Upper
96 100
61 160.2 0.0 306.6
98 66.7 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0

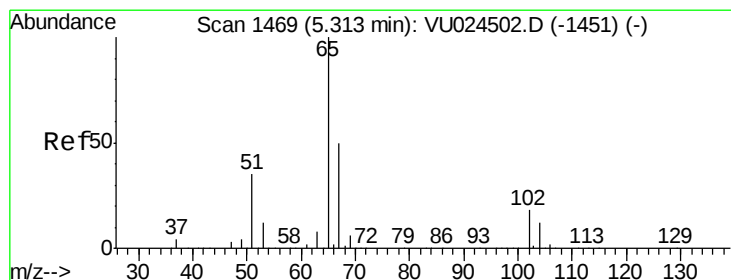
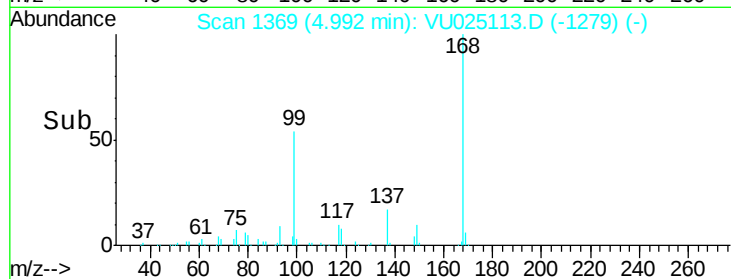
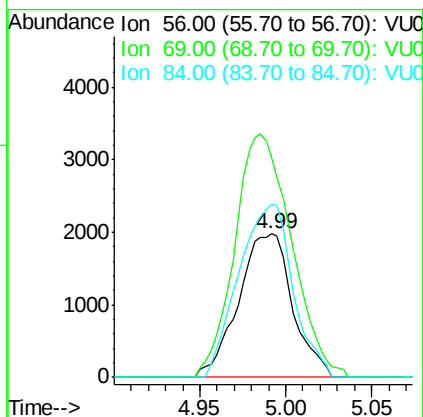
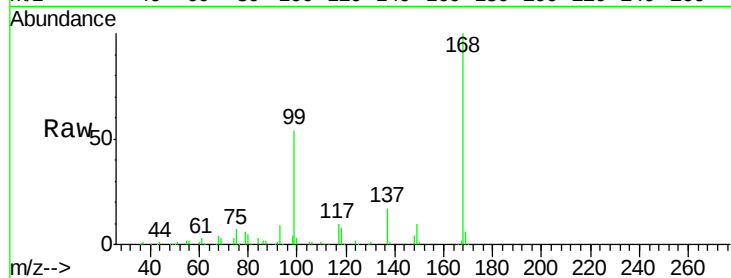




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VU025113.D
Acq: 01 Jul 2018 02:30

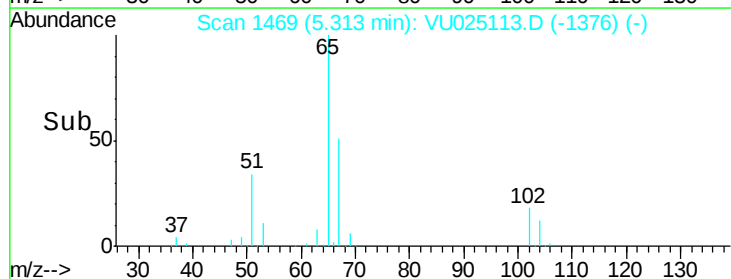
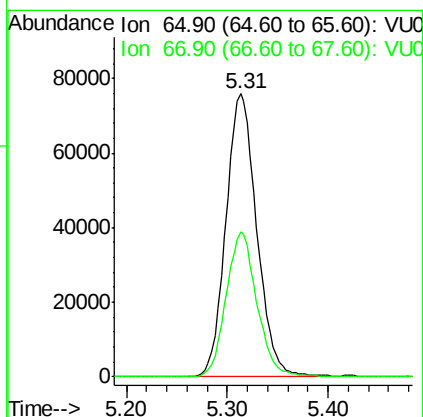
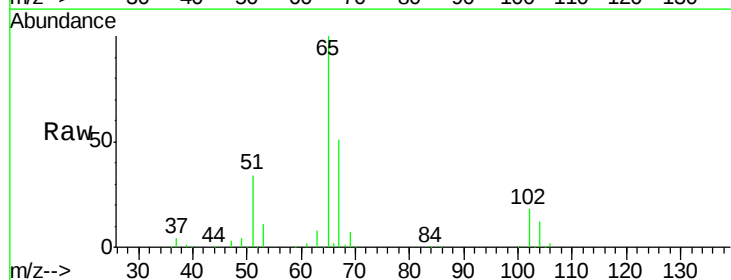
Instrument :
MSVOA_U
ClientSampleId :
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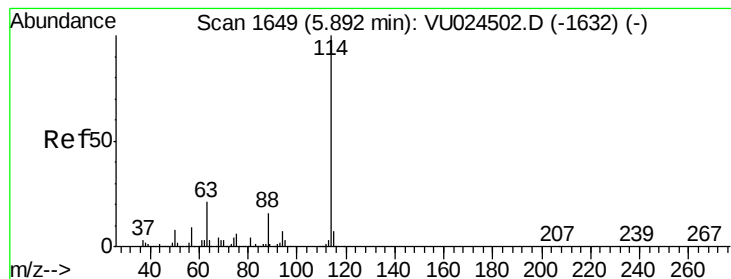
Tgt Ion: 56 Resp: 4315
Ion Ratio Lower Upper
56 100
69 153.5 24.8 37.2#
84 121.3 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 45.936 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU025113.D
Acq: 01 Jul 2018 02:30

Tgt Ion: 65 Resp: 161934
Ion Ratio Lower Upper
65 100
67 51.2 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: VU025113.D

Acq: 01 Jul 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

TRIP-BLANK

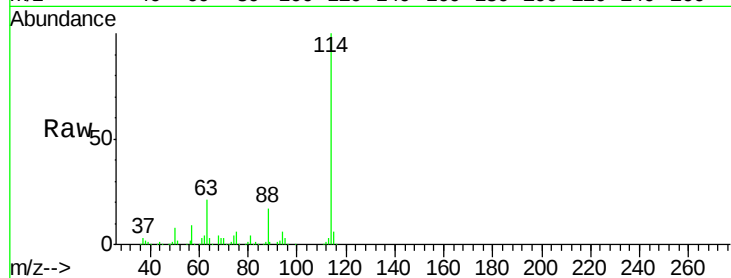
Tgt Ion:114 Resp: 319532

Ion Ratio Lower Upper

114 100

63 21.3 0.0 45.4

88 16.5 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

200000

150000

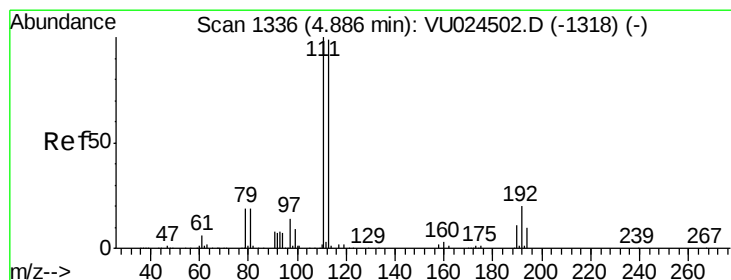
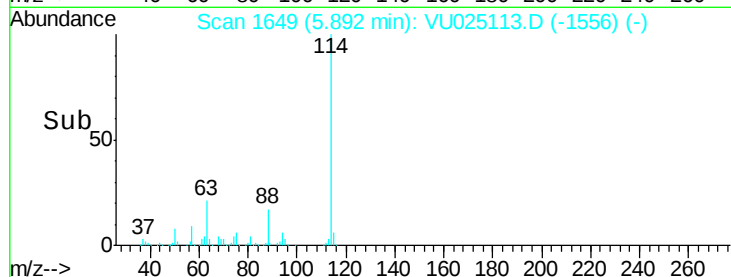
100000

50000

0

5.80 5.85 5.90 5.95 6.00

Time-->



#35

Dibromofluoromethane

Concen: 47.066 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025113.D

Acq: 01 Jul 2018 02:30

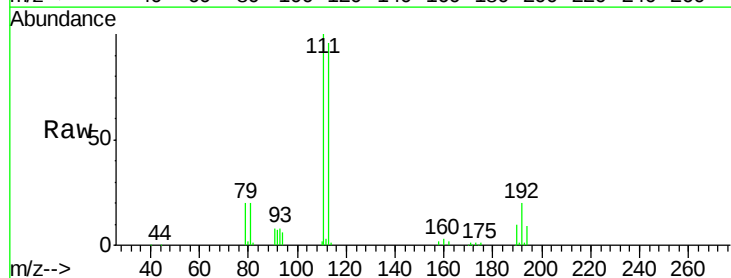
Tgt Ion:113 Resp: 124812

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.4

192 21.3 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

80000

60000

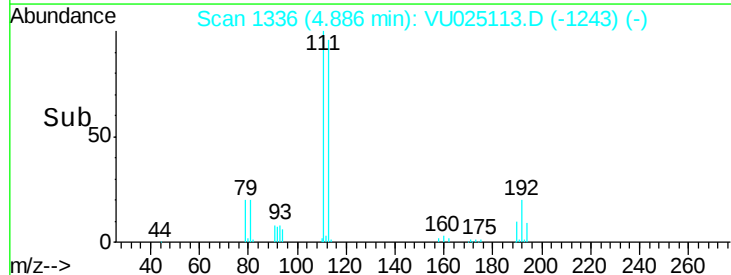
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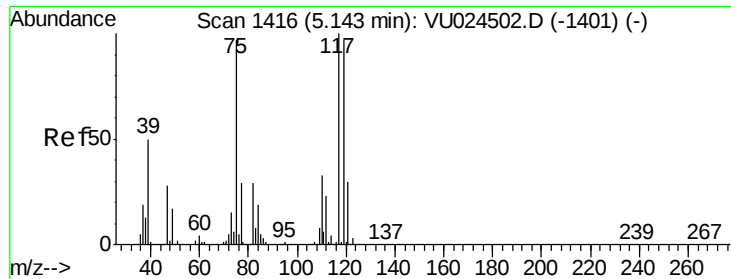
20000

0

4.80 4.85 4.90 4.95 5.00

Time-->





#36

1,1-Dichloropropene

Concen: 4.275 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU025113.D

Acq: 01 Jul 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

TRIP-BLANK

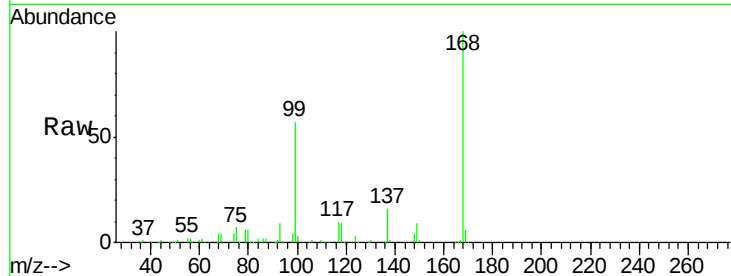
Tgt Ion: 75 Resp: 16050

Ion Ratio Lower Upper

75 100

110 4.9 17.0 50.9#

77 0.0 24.2 36.4#

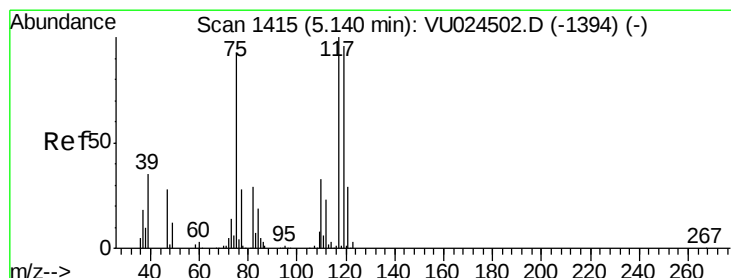
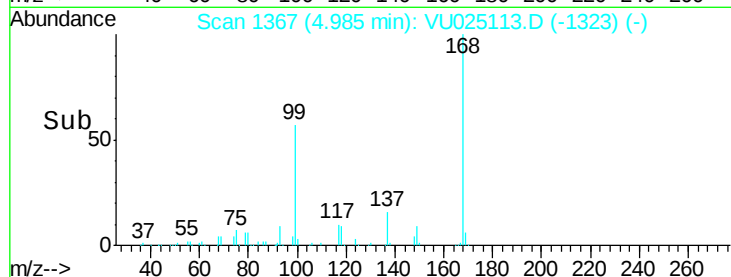


Abundance Ion 74.90 (74.60 to 75.60): VU025113.D (-1323) (-)

Ion 109.90 (109.60 to 110.60): VU025113.D (-1323) (-)

Ion 76.90 (76.60 to 77.60): VU025113.D (-1323) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.082 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025113.D

Acq: 01 Jul 2018 02:30

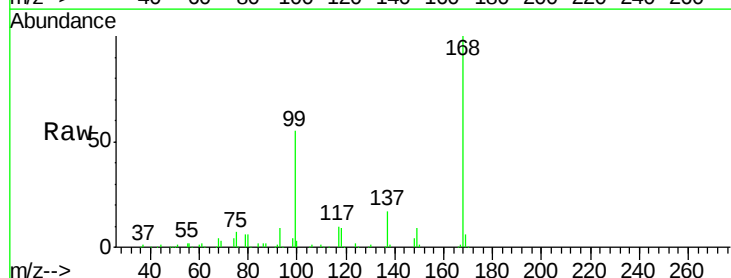
Tgt Ion: 117 Resp: 20985

Ion Ratio Lower Upper

117 100

119 4.3 76.1 114.1#

121 0.0 23.7 35.5#

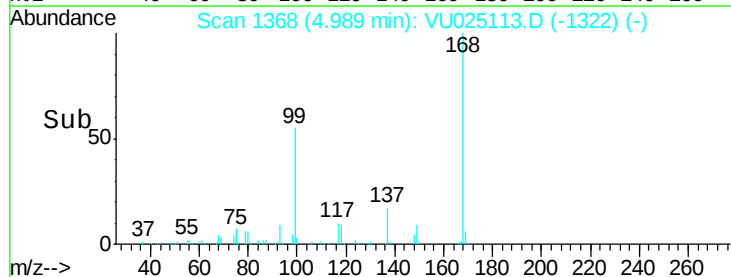


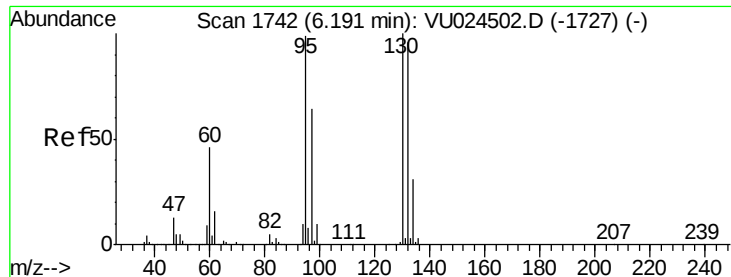
Abundance Ion 116.80 (116.50 to 117.50): VU025113.D (-1322) (-)

Ion 118.80 (118.50 to 119.50): VU025113.D (-1322) (-)

Ion 120.80 (120.50 to 121.50): VU025113.D (-1322) (-)

Time-->





#44

Trichloroethene

Concen: 0.329 ug/l

RT: 6.20 min Scan# 1745

Delta R.T. 0.01 min

Lab File: VU025113.D

Acq: 01 Jul 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

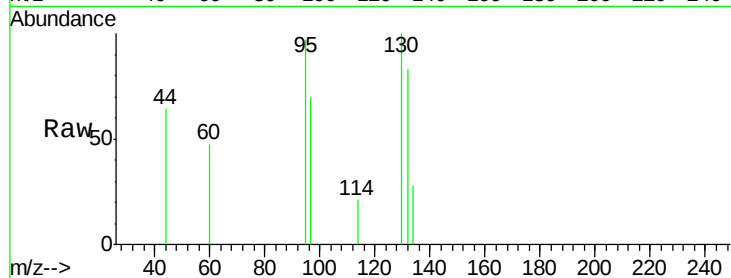
TRIP-BLANK

Tgt Ion:130 Resp: 1002

Ion Ratio Lower Upper

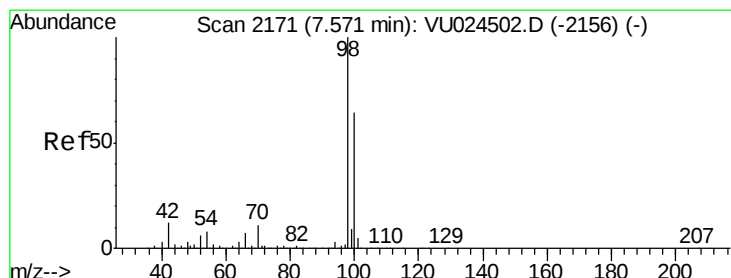
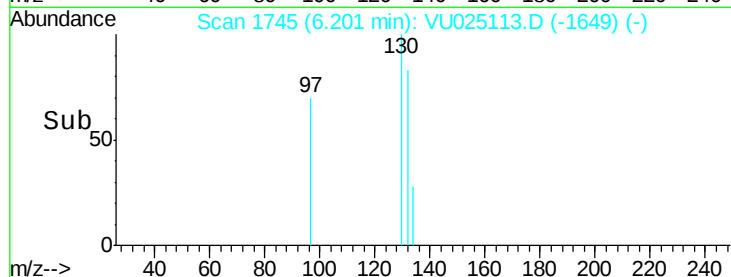
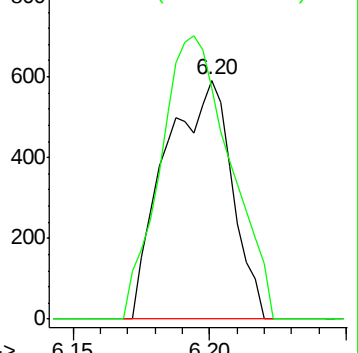
130 100

95 96.6 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



#50

Toluene-d8

Concen: 47.816 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025113.D

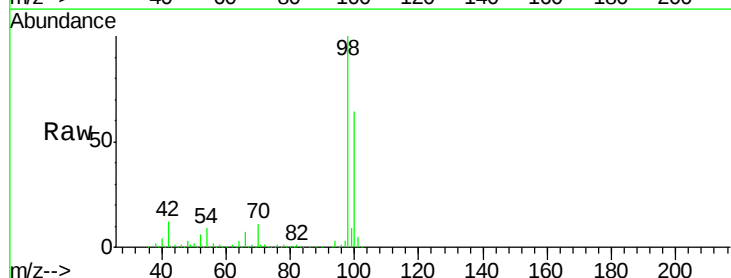
Acq: 01 Jul 2018 02:30

Tgt Ion: 98 Resp: 462517

Ion Ratio Lower Upper

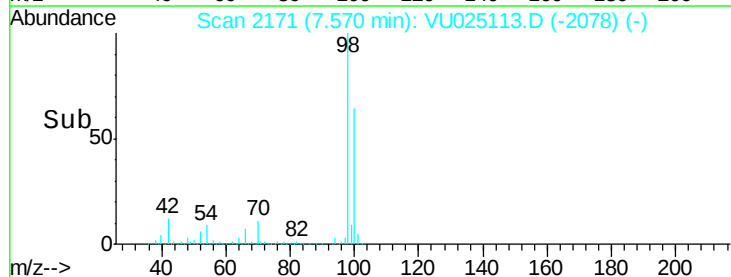
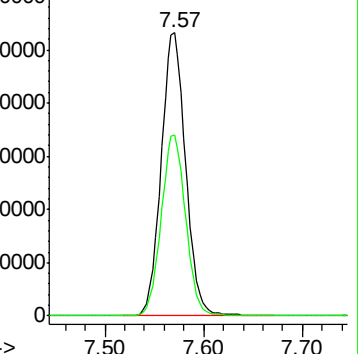
98 100

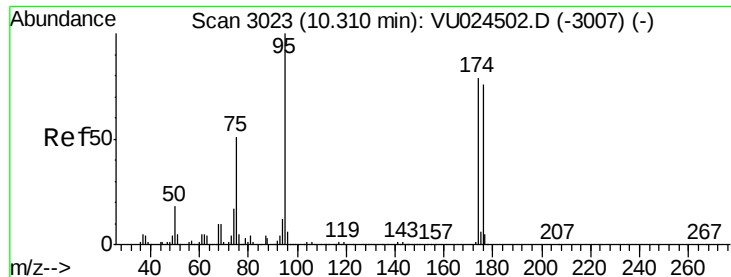
100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

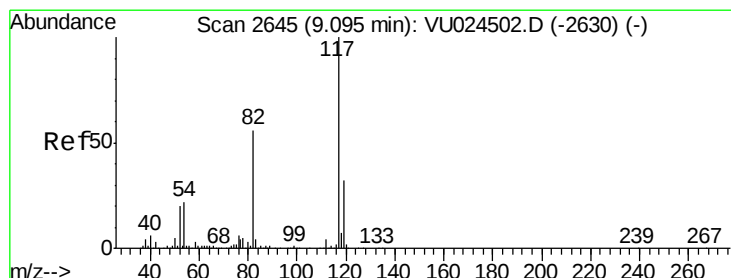
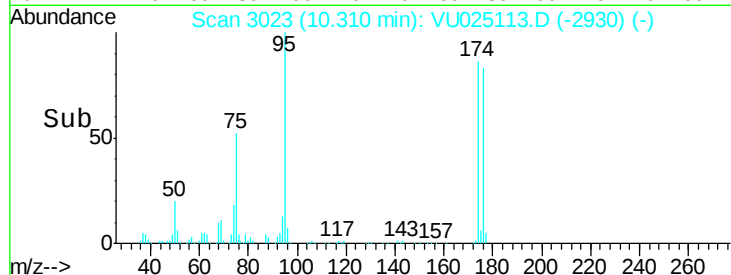
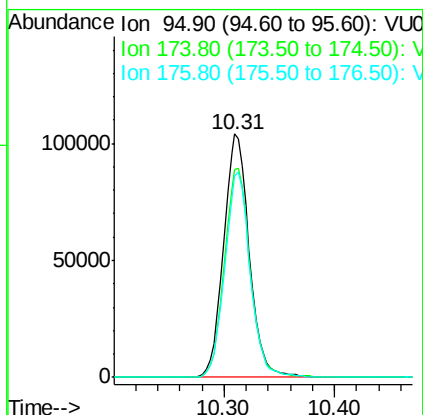
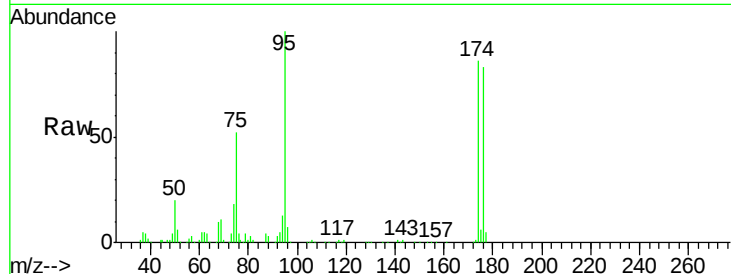




#62
4-Bromofluorobenzene
Concen: 43.715 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025113.D
Acq: 01 Jul 2018 02:30

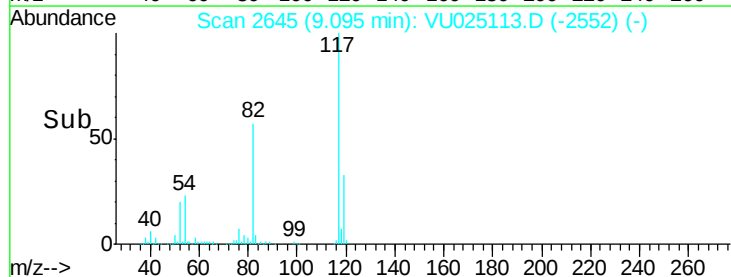
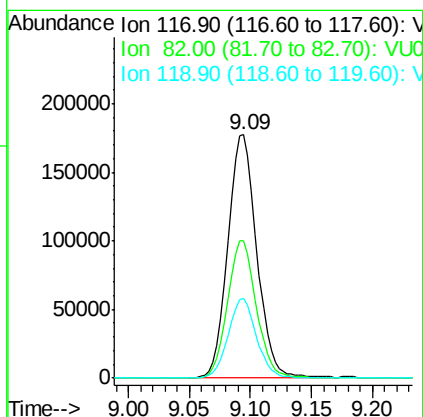
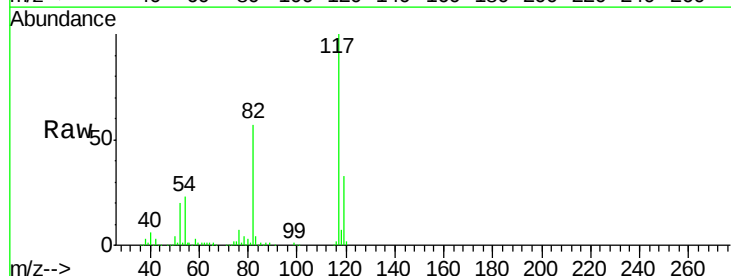
Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK

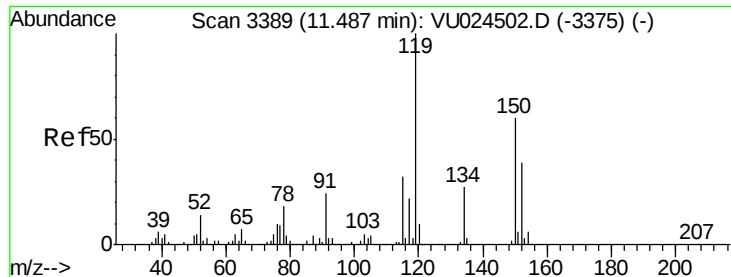
Tgt Ion: 95 Resp: 167889
Ion Ratio Lower Upper
95 100
174 86.6 0.0 165.8
176 83.8 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025113.D
Acq: 01 Jul 2018 02:30

Tgt Ion: 117 Resp: 295109
Ion Ratio Lower Upper
117 100
82 56.6 44.3 66.5
119 32.9 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: VU025113.D

Acq: 01 Jul 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

TRIP-BLANK

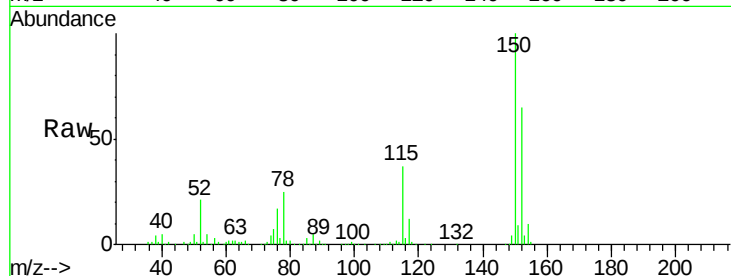
Tgt Ion:152 Resp: 151282

Ion Ratio Lower Upper

152 100

115 58.3 43.0 129.0

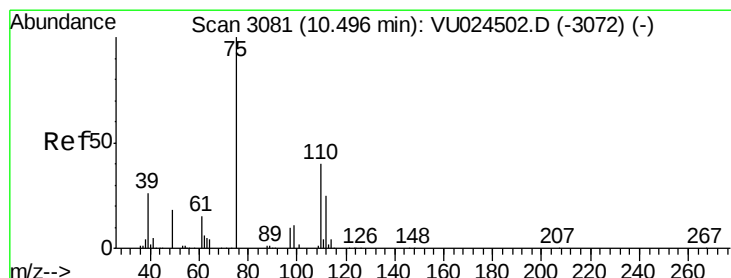
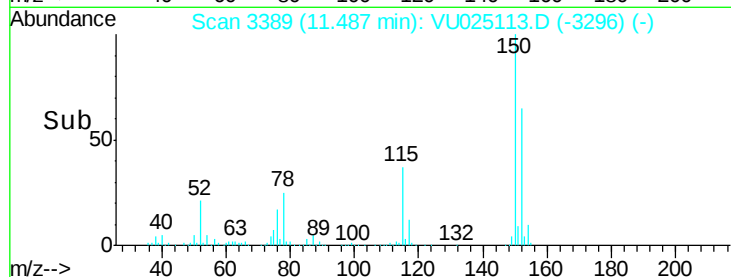
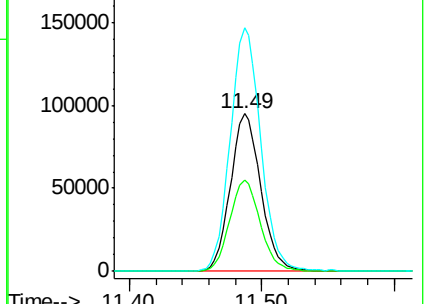
150 155.5 0.0 354.0



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: 26.679 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025113.D

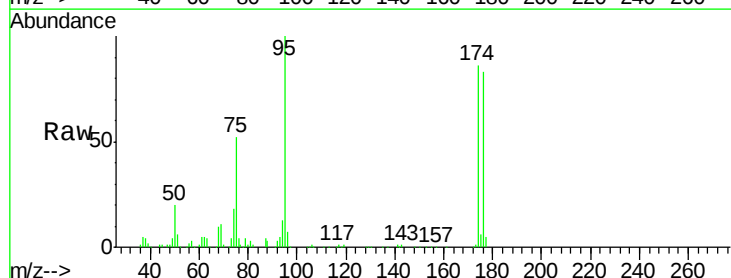
Acq: 01 Jul 2018 02:30

Tgt Ion: 75 Resp: 88858

Ion Ratio Lower Upper

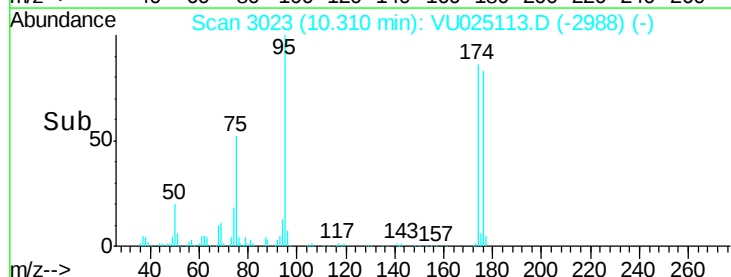
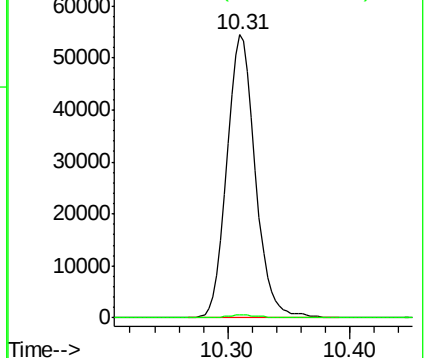
75 100

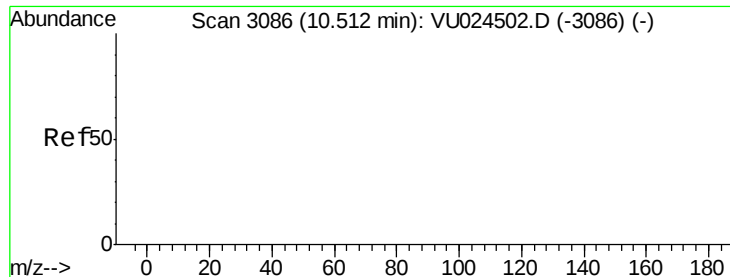
77 1.1 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

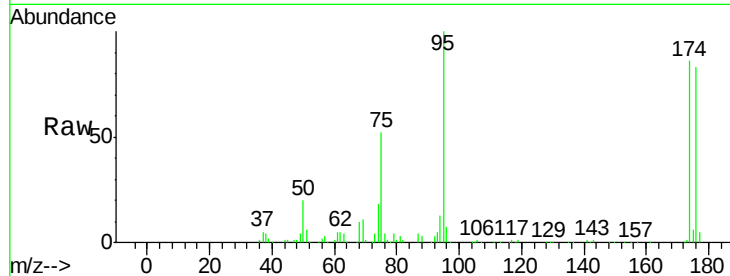




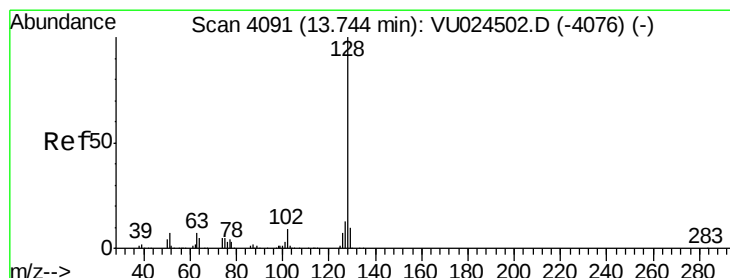
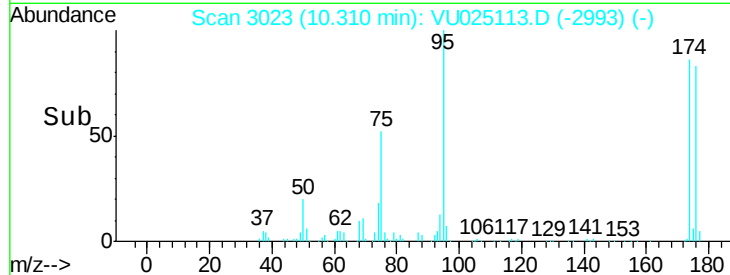
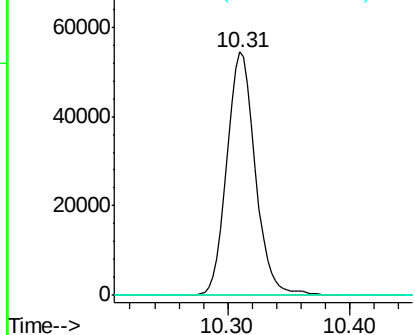
#81
trans-1,4-Dichloro-2-butene
Concen: 61.745 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU025113.D
Acq: 01 Jul 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK

Tgt Ion: 75 Resp: 88858
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

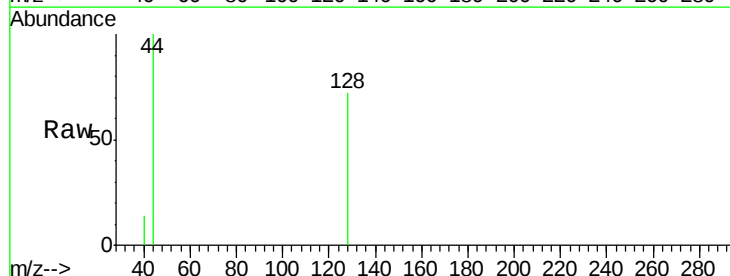


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0



#95
Naphthalene
Concen: 0.740 ug/l
RT: 13.76 min Scan# 4096
Delta R.T. 0.02 min
Lab File: VU025113.D
Acq: 01 Jul 2018 02:30

Tgt Ion: 128 Resp: 690
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 10.7 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

