

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071118\
 Data File : VU025315.D
 Acq On : 11 Jul 2018 15:27
 Operator : MD/SY
 Sample : J3922-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPTB03-180709

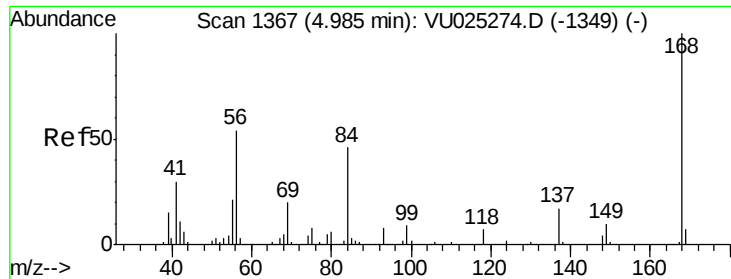
Quant Time: Jul 12 03:11:48 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	209807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	312861	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	287954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	150198	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	157859	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
35) Dibromofluoromethane	4.89	113	122071	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	
50) Toluene-d8	7.57	98	450501	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
62) 4-Bromofluorobenzene	10.31	95	163690	44.99	ug/l	0.00
Spiked Amount			Recovery	=	89.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	627	0.85	ug/l	90
5) Bromomethane	1.63	94	249	Below Cal		91
6) Chloroethane	1.68	64	47	0.32	ug/l #	43
10) Methyl Iodide	2.41	142	190	7.77	ug/l #	39
11) Tert butyl alcohol	2.84	59	1238	1.74	ug/l #	73
16) Acetone	2.32	43	7733	9.43	ug/l	92
17) Carbon Disulfide	2.48	76	436	2.00	ug/l #	74
20) Methylene Chloride	2.71	84	1118	1.13	ug/l	93
31) Cyclohexane	4.98	56	3830	1.66	ug/l #	13
36) 1,1-Dichloropropene	4.99	75	14875	4.28	ug/l #	51
38) Carbon Tetrachloride	4.99	117	20194	5.39	ug/l #	17
74) N-amyl acetate	9.82	43	19	1.27	ug/l #	43
76) 1,2,3-Trichloropropane	10.31	75	86131	28.17	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	86131	71.98	ug/l #	100
88) 1,4-Dichlorobenzene	11.49	146	172	1.52	ug/l #	1
95) Naphthalene	13.76	128	288	2.44	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025315.D

Acq: 11 Jul 2018 15:27

Instrument :

MSVOA_U

ClientSampleId :

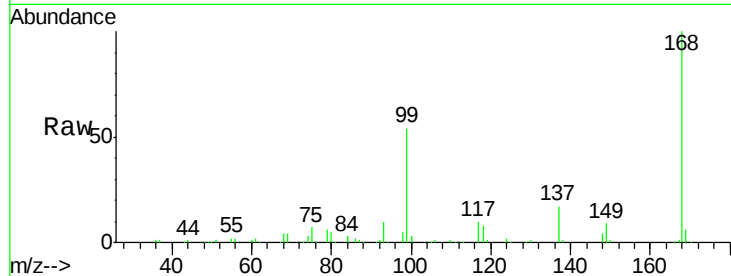
CPTB03-180709

Tot Ion:168 Resp: 209807

Ion Ratio Lower Upper

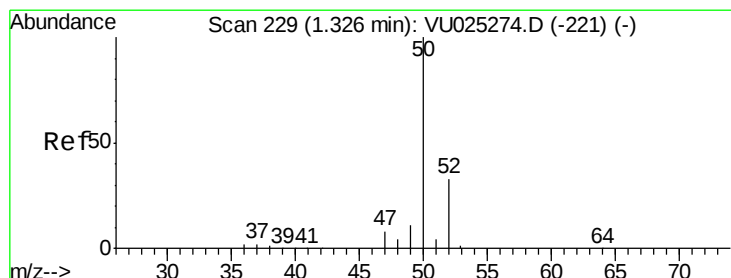
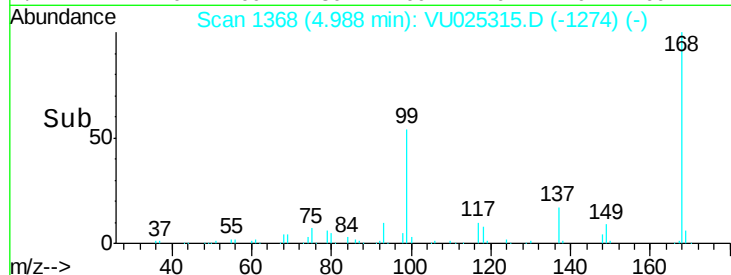
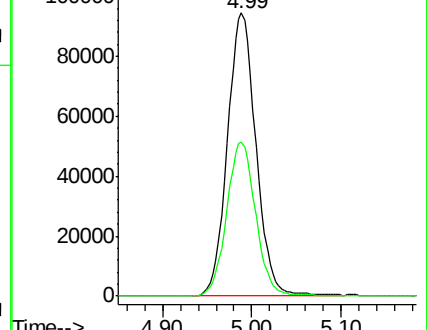
168 100

99 54.4 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025315.D (-1274) (-)



#3

Chloromethane

Concen: 0.85 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025315.D

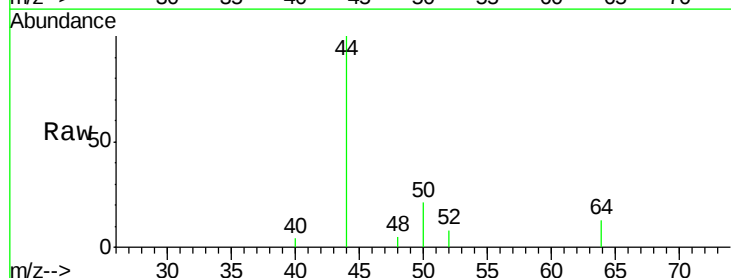
Acq: 11 Jul 2018 15:27

Tgt Ion: 50 Resp: 627

Ion Ratio Lower Upper

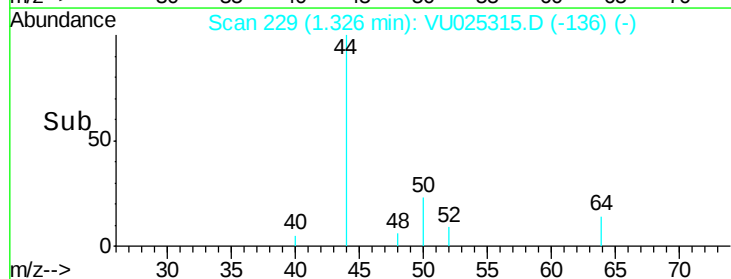
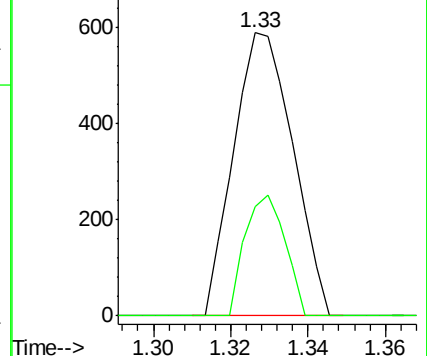
50 100

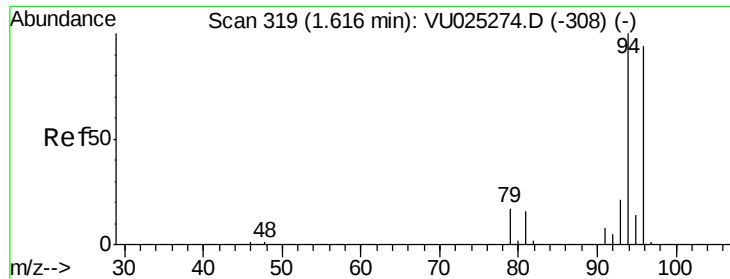
52 38.7 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU025274.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU025315.D (-136) (-)

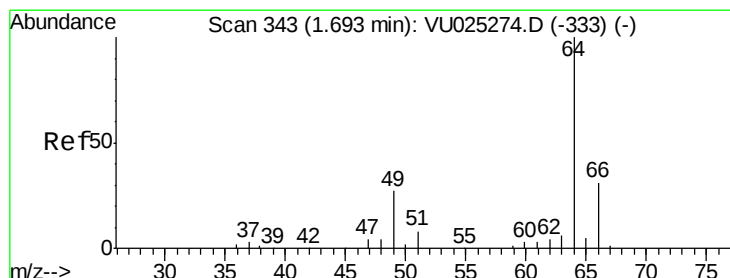
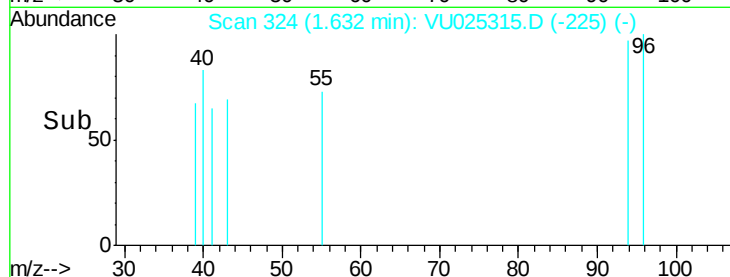
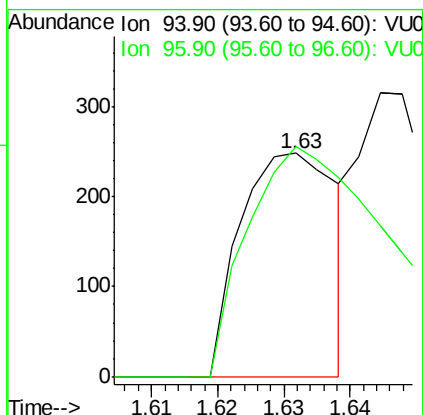
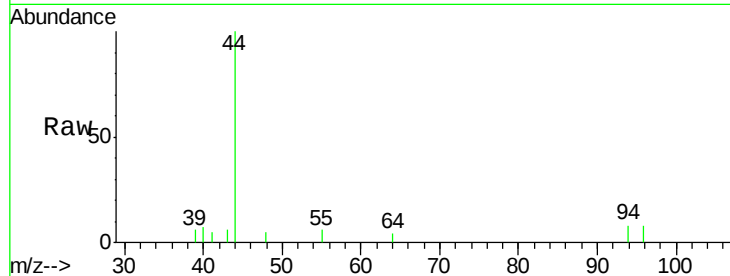




#5
Bromomethane
Concen: Below Cal
RT: 1.63 min Scan# 324
Delta R.T. 0.02 min
Lab File: VU025315.D
Acq: 11 Jul 2018 15:27

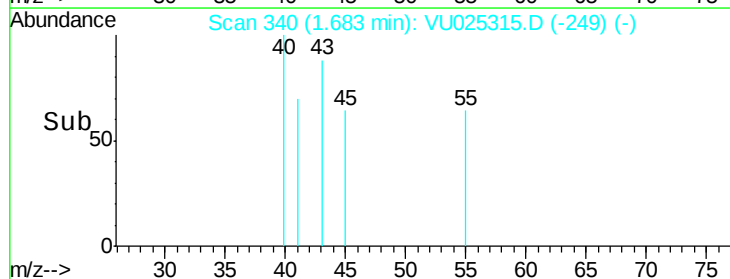
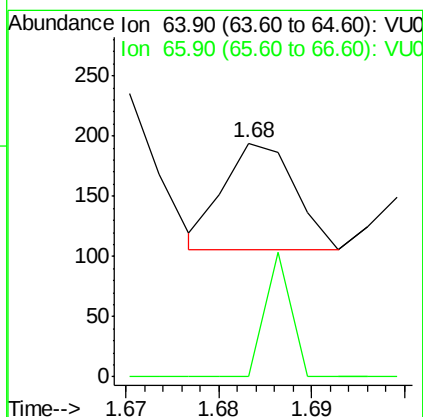
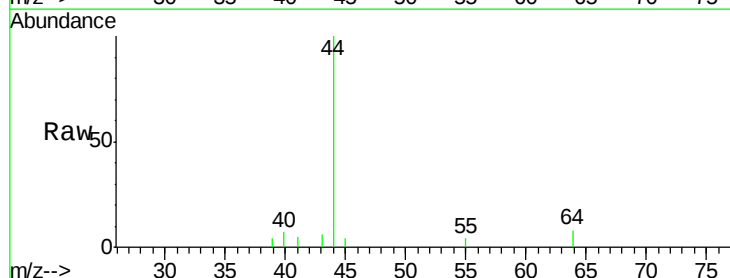
Instrument :
MSVOA_U
ClientSampleId :
CPTB03-180709

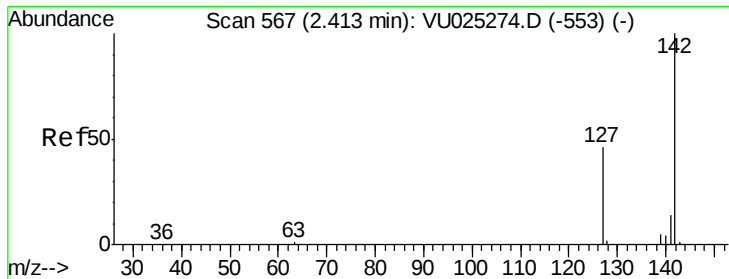
Tot Ion: 94 Resp: 249
Ion Ratio Lower Upper
94 100
96 102.8 75.0 112.4



#6
Chloroethane
Concen: 0.32 ug/l
RT: 1.68 min Scan# 340
Delta R.T. -0.01 min
Lab File: VU025315.D
Acq: 11 Jul 2018 15:27

Tgt Ion: 64 Resp: 47
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

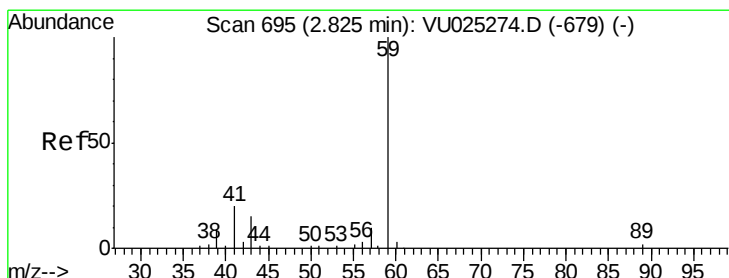
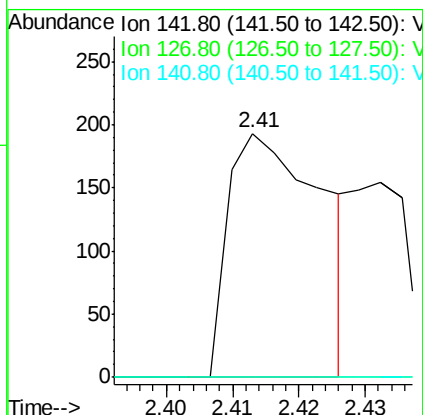
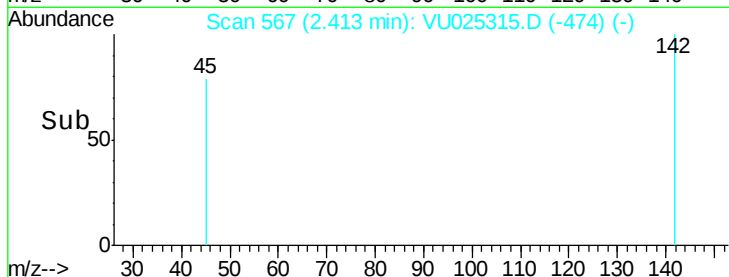
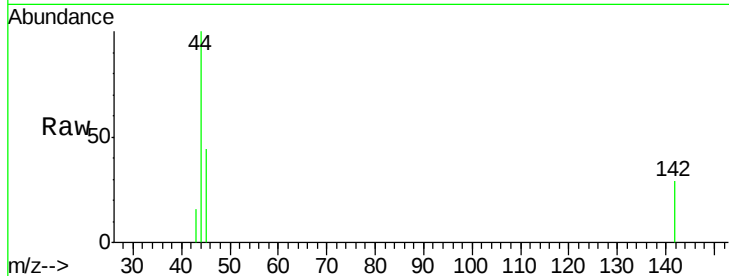




#10
Methvl Iodide
Concen: 7.77 ug/l
RT: 2.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VU025315.D
Acq: 11 Jul 2018 15:27

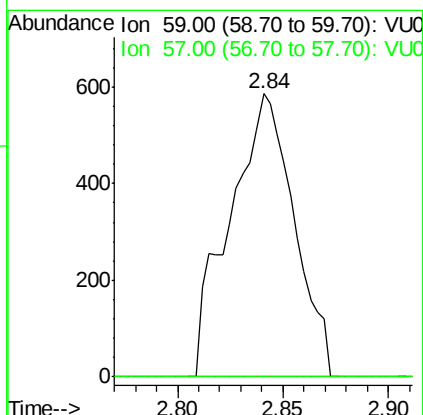
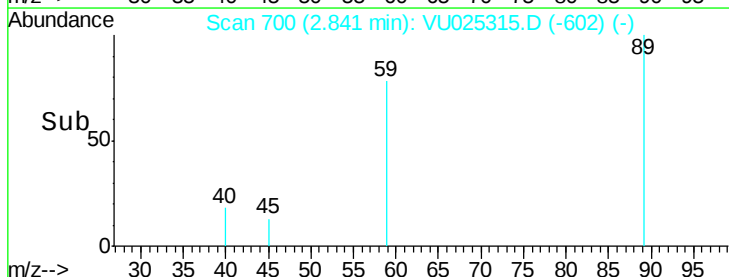
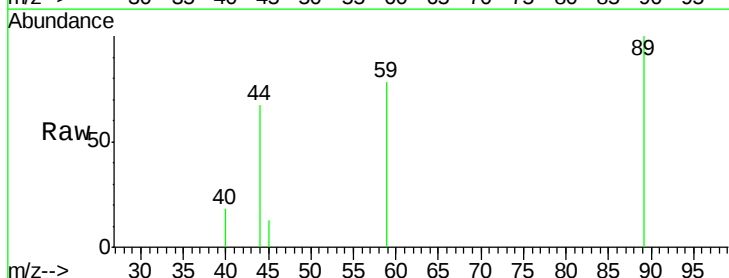
Instrument :
MSVOA_U
ClientSampleId :
CPTB03-180709

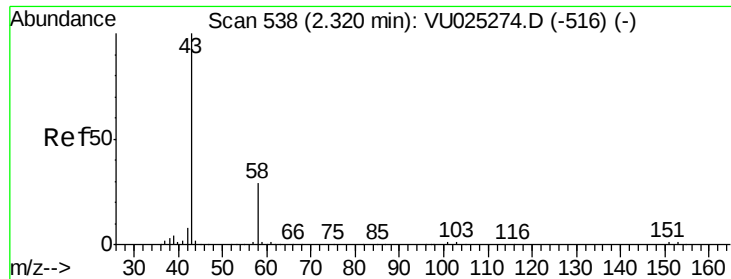
Tot Ion:142 Resp: 190
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.74 ug/l
RT: 2.84 min Scan# 700
Delta R.T. 0.02 min
Lab File: VU025315.D
Acq: 11 Jul 2018 15:27

Tgt Ion: 59 Resp: 1238
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 9.43 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025315.D

Acq: 11 Jul 2018 15:27

Instrument :

MSVOA_U

ClientSampleId :

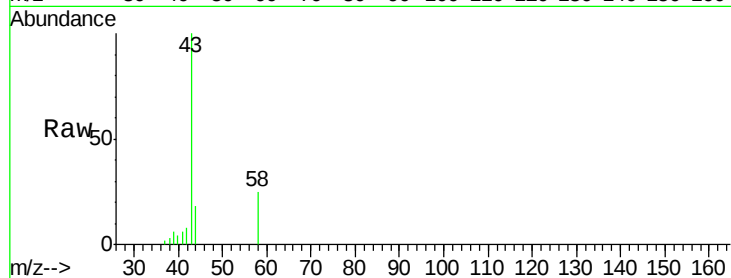
CPTB03-180709

Tot Ion: 43 Resp: 7733

Ion Ratio Lower Upper

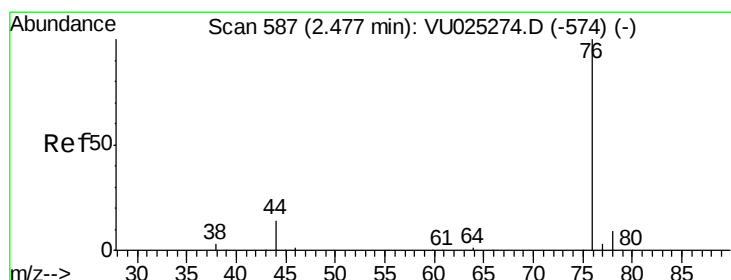
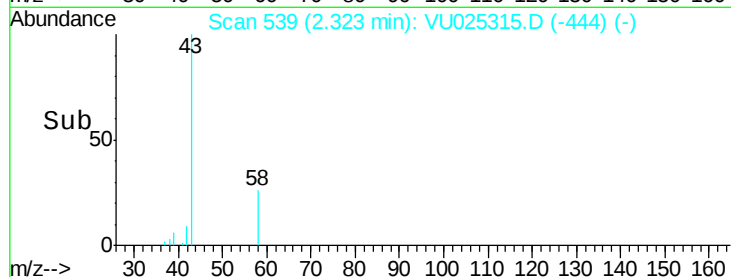
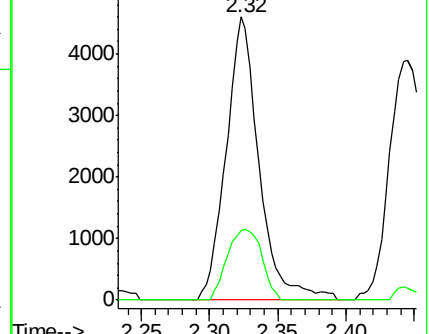
43 100

58 24.7 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#17

Carbon Disulfide

Concen: 2.00 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025315.D

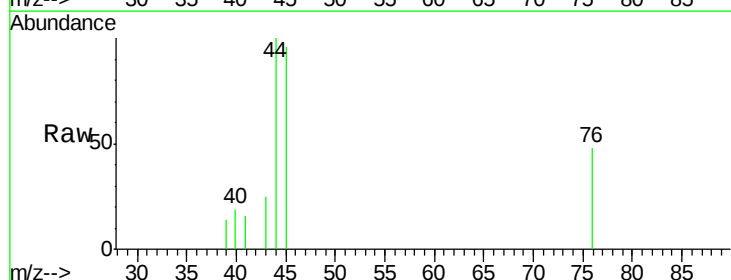
Acq: 11 Jul 2018 15:27

Tgt Ion: 76 Resp: 436

Ion Ratio Lower Upper

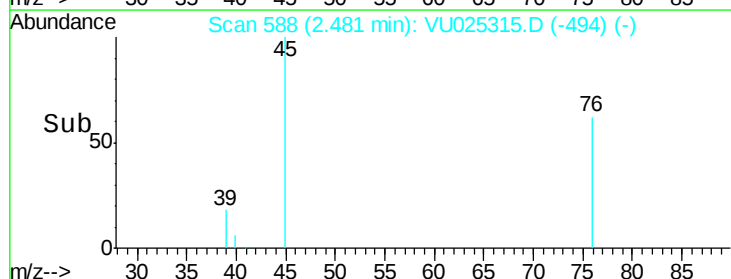
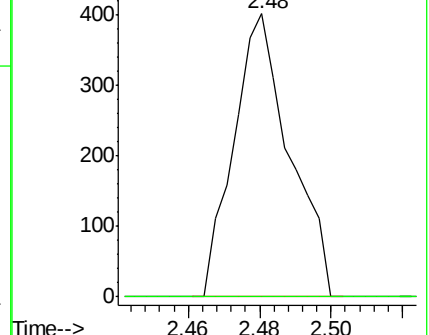
76 100

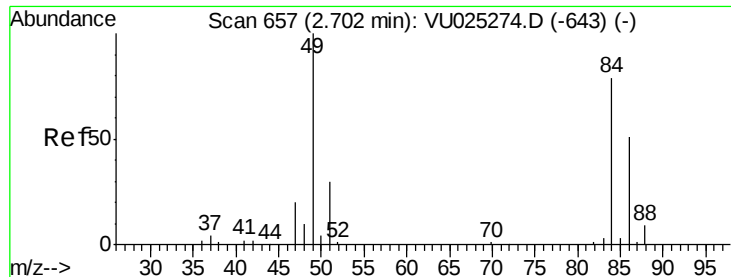
78 0.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

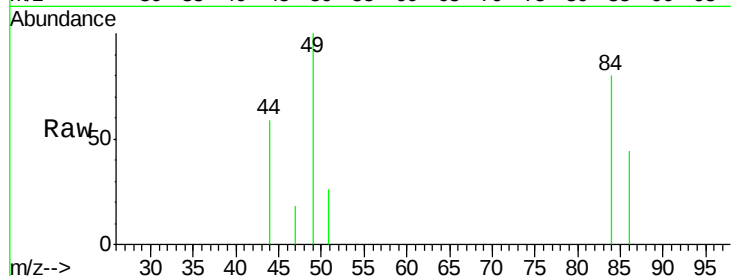




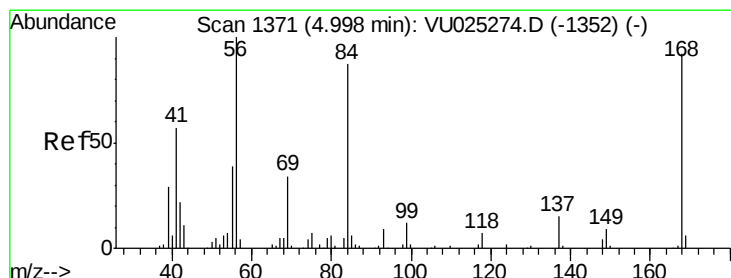
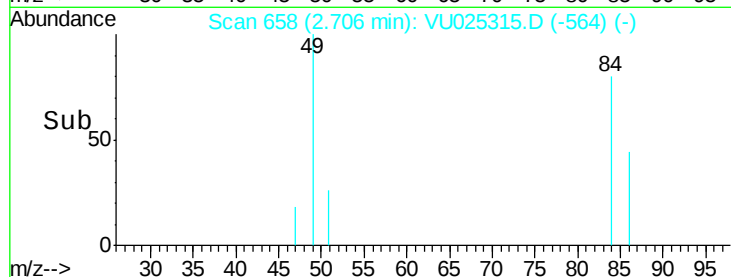
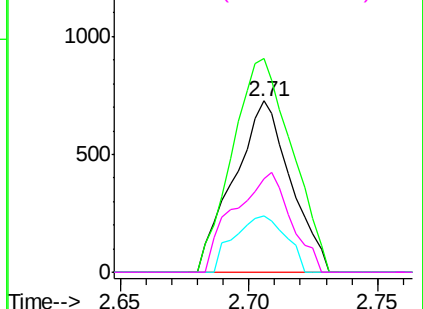
#20
Methylene Chloride
Concen: 1.13 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025315.D
Acq: 11 Jul 2018 15:27

Instrument :
MSVOA_U
ClientSampleId :
CPTB03-180709

Tot Ion:	84	Resp:	1118
Ion	Ratio	Lower	Upper
84	100		
49	124.6	101.8	152.6
51	32.6	30.8	46.2
86	54.6	51.9	77.9

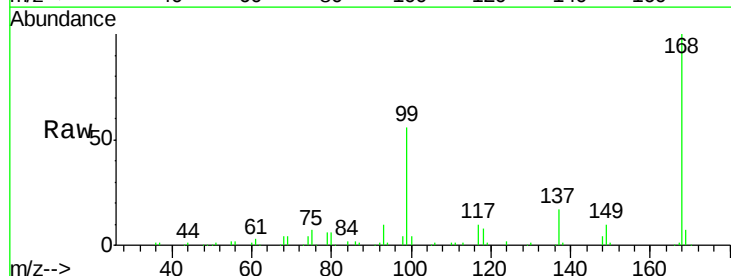


Abundance Ion 83.90 (83.60 to 84.60): VU0
Ion 48.90 (48.60 to 49.60): VU0
Ion 50.90 (50.60 to 51.60): VU0
Ion 85.90 (85.60 to 86.60): VU0

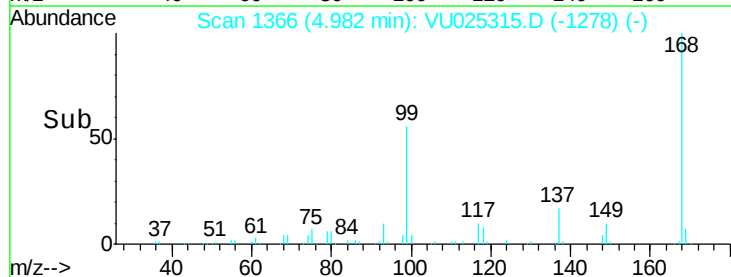
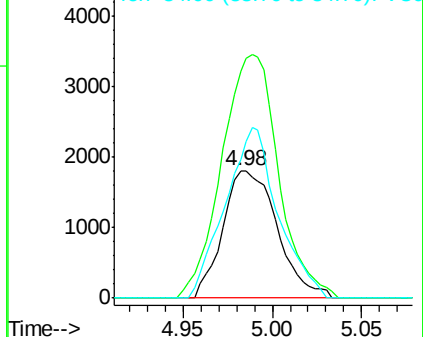


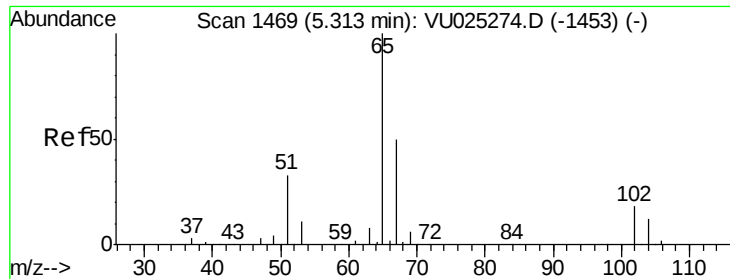
#31
Cyclohexane
Concen: 1.66 ug/l
RT: 4.98 min Scan# 1366
Delta R.T. -0.02 min
Lab File: VU025315.D
Acq: 11 Jul 2018 15:27

Tgt Ion:	56	Resp:	3830
Ion	Ratio	Lower	Upper
56	100		
69	177.5	26.8	40.2#
84	108.8	69.7	104.5#



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

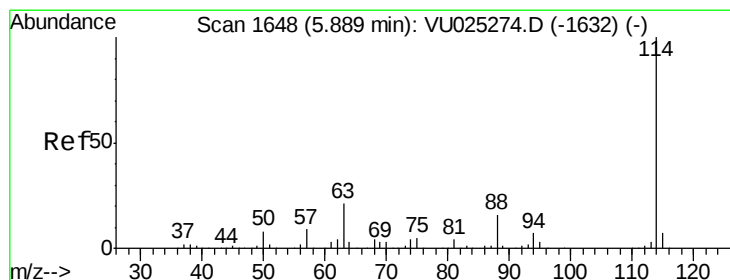
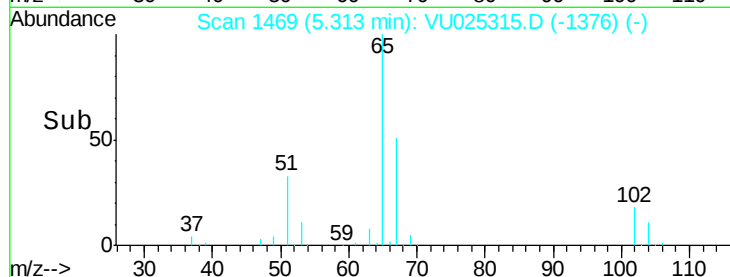
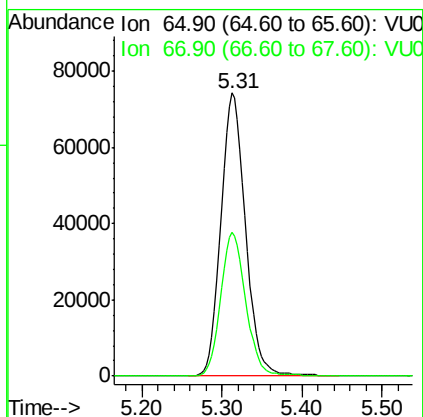
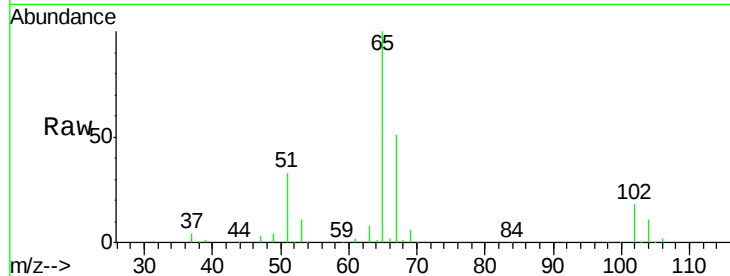




#33
 1,2-Dichloroethane-d4
 Concen: 48.43 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025315.D
 Acq: 11 Jul 2018 15:27

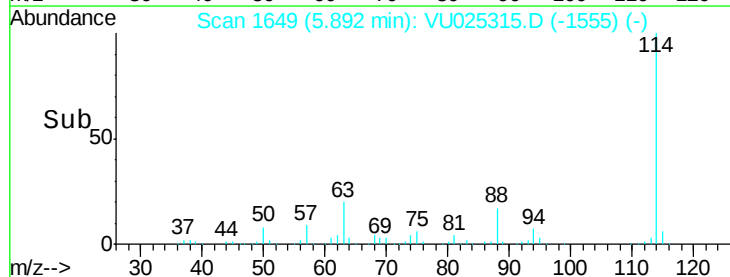
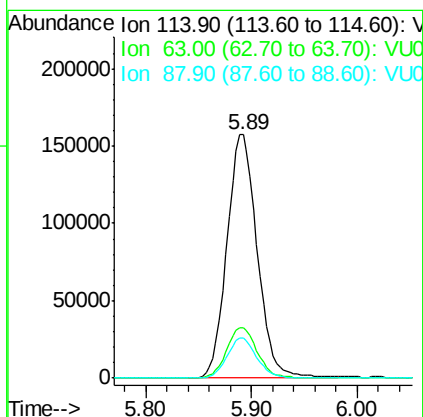
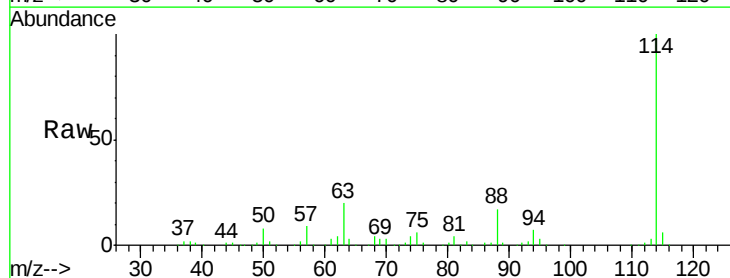
Instrument :
 MSVOA_U
 ClientSampleId :
 CPTB03-180709

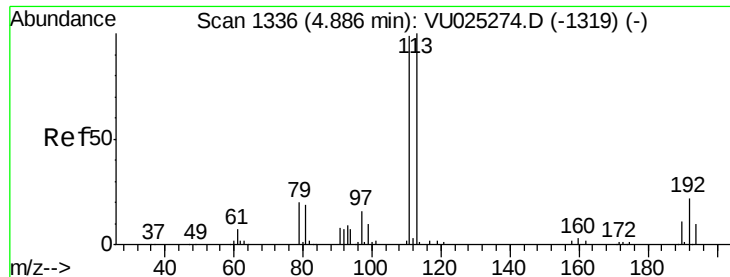
Tot Ion: 65 Resp: 157859
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025315.D
 Acq: 11 Jul 2018 15:27

Tgt Ion: 114 Resp: 312861
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.6
 88 16.7 0.0 32.4

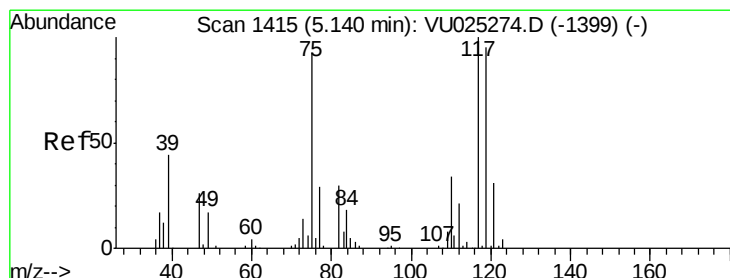
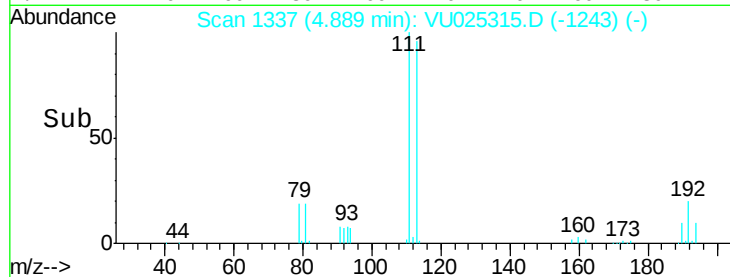
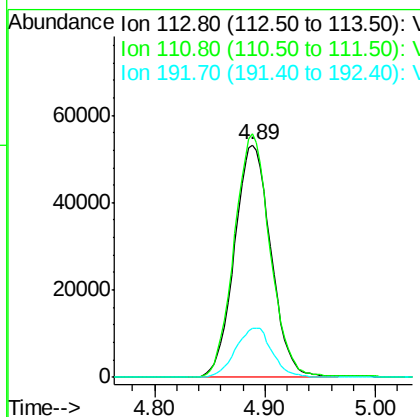
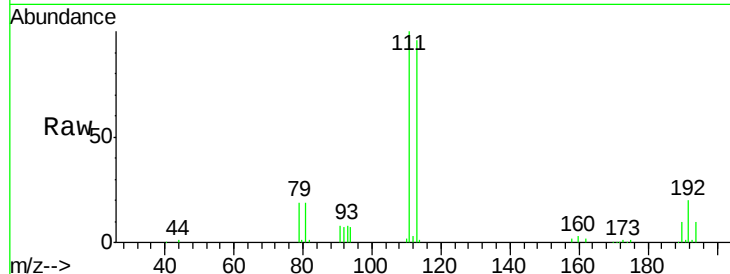




#35
 Dibromofluoromethane
 Concen: 46.25 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025315.D
 Acq: 11 Jul 2018 15:27

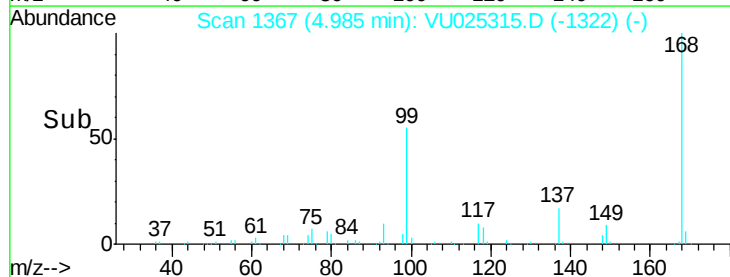
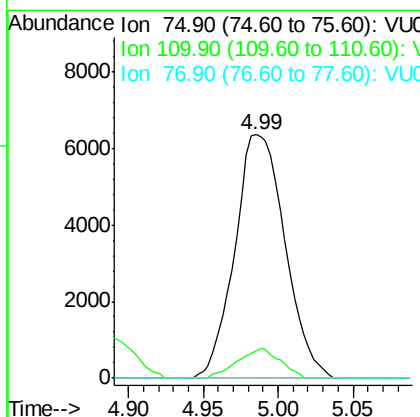
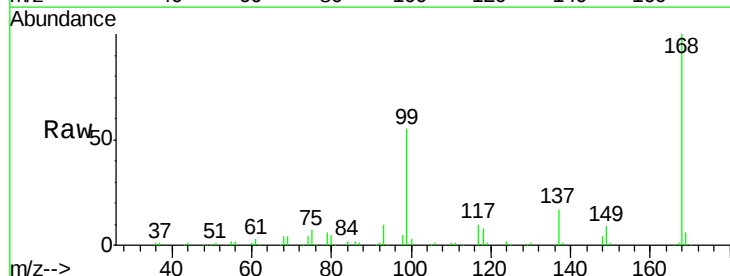
Instrument :
 MSVOA_U
 ClientSampleId :
 CPTB03-180709

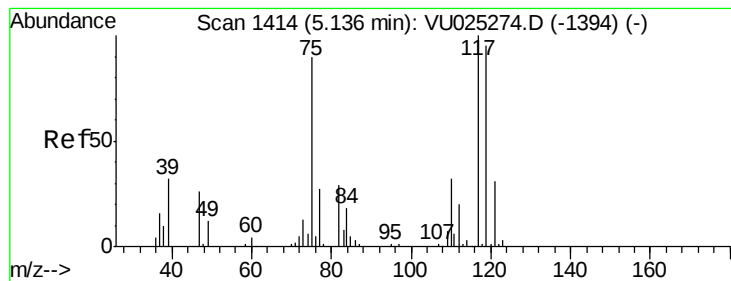
Tot Ion:113 Resp: 122071
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.7 122.5
 192 21.2 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.28 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU025315.D
 Acq: 11 Jul 2018 15:27

Tgt Ion: 75 Resp: 14875
 Ion Ratio Lower Upper
 75 100
 110 10.4 17.6 52.9#
 77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 5.39 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025315.D

Acq: 11 Jul 2018 15:27

Instrument :

MSVOA_U

ClientSampleId :

CPTB03-180709

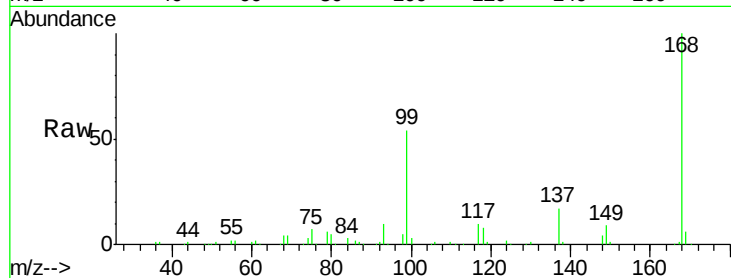
Tot Ion:117 Resp: 20194

Ion Ratio Lower Upper

117 100

119 6.0 75.7 113.5#

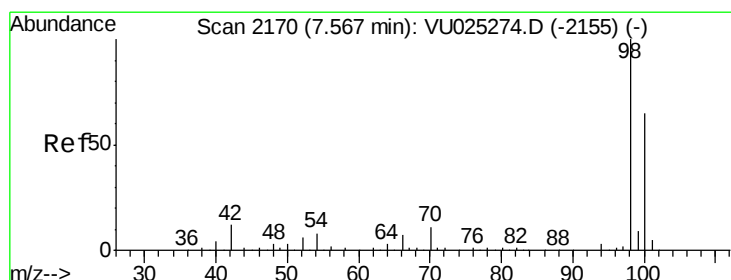
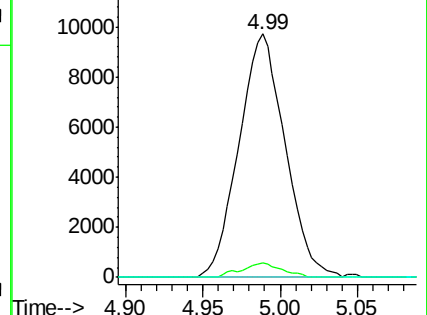
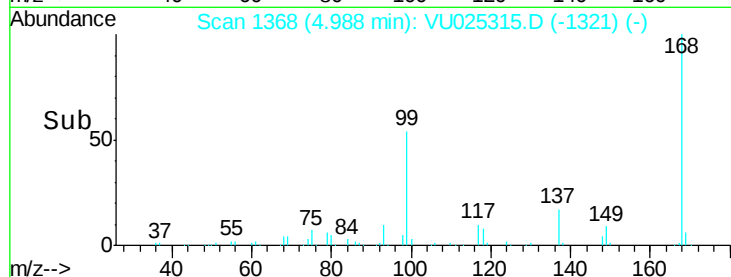
121 0.0 24.6 36.8#



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: 49.85 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025315.D

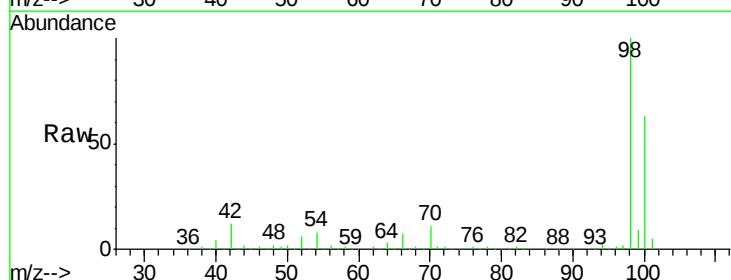
Acq: 11 Jul 2018 15:27

Tgt Ion: 98 Resp: 450501

Ion Ratio Lower Upper

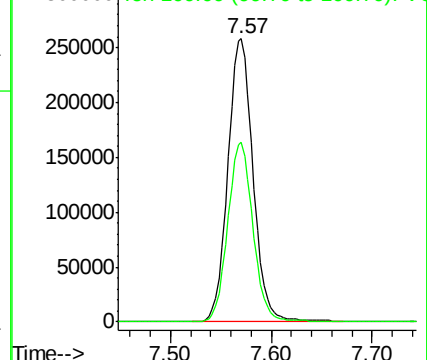
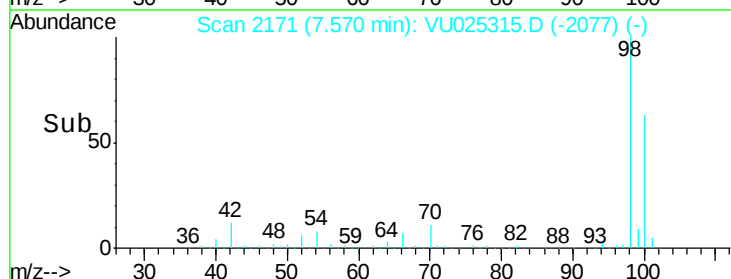
98 100

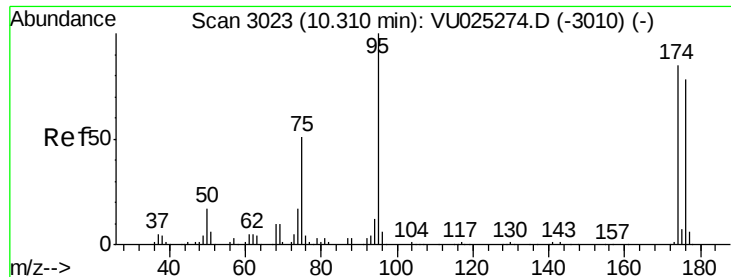
100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 44.99 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025315.D

Acq: 11 Jul 2018 15:27

Instrument :

MSVOA_U

ClientSampleId :

CPTB03-180709

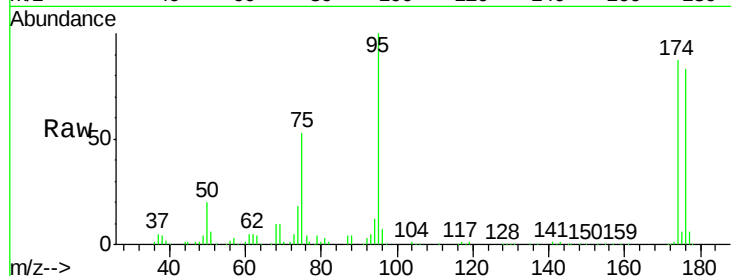
Tot Ion: 95 Resp: 163690

Ion Ratio Lower Upper

95 100

174 86.7 0.0 172.2

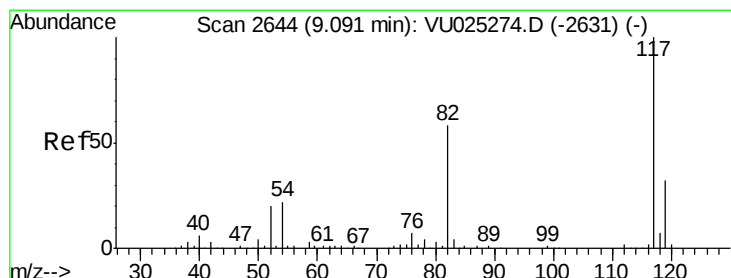
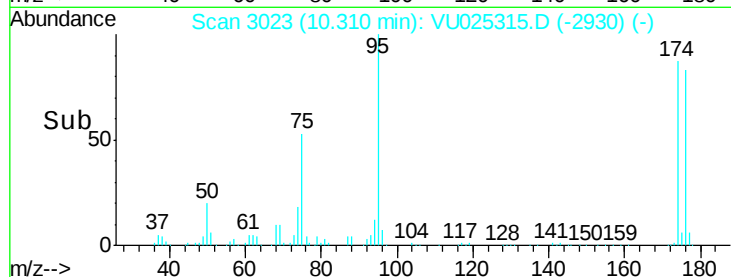
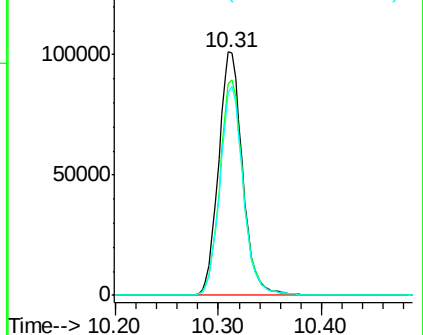
176 83.7 0.0 162.6



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): VU0

Ion 175.80 (175.50 to 176.50): VU0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025315.D

Acq: 11 Jul 2018 15:27

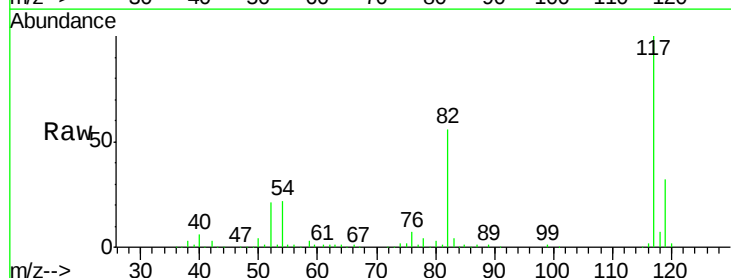
Tgt Ion: 117 Resp: 287954

Ion Ratio Lower Upper

117 100

82 56.3 46.0 69.0

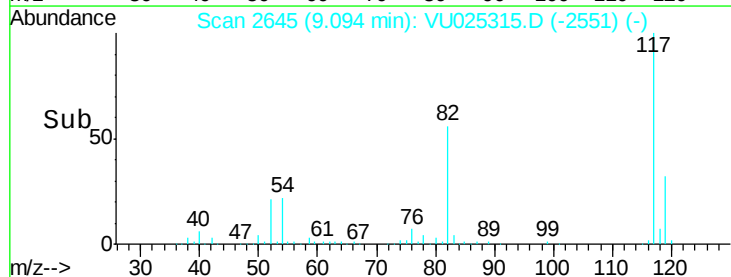
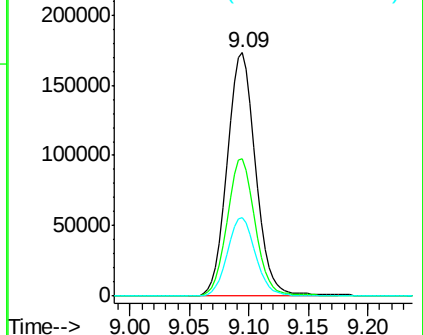
119 32.2 26.0 39.0

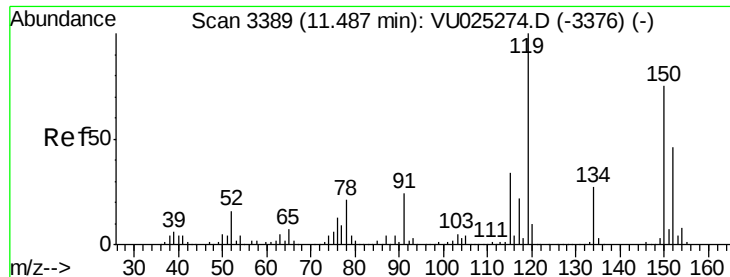


Abundance Ion 116.90 (116.60 to 117.60): VU0

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): VU0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025315.D

Acq: 11 Jul 2018 15:27

Instrument :

MSVOA_U

ClientSampleId :

CPTB03-180709

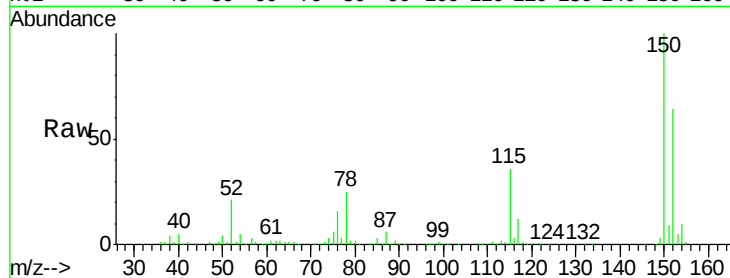
Tot Ion:152 Resp: 150198

Ion Ratio Lower Upper

152 100

115 56.7 40.1 120.3

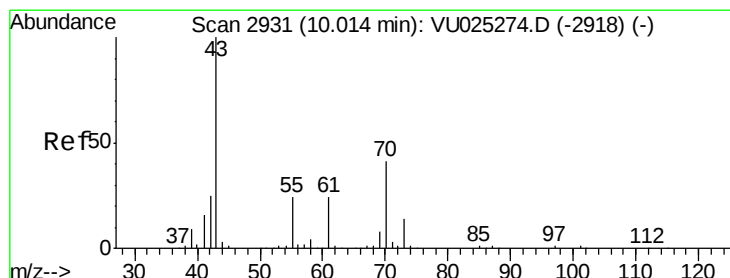
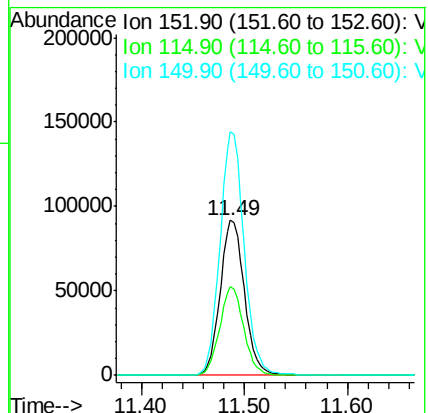
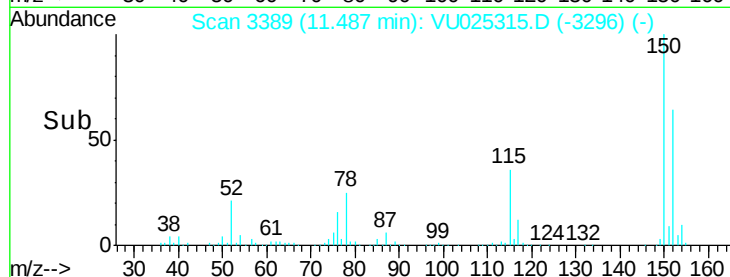
150 156.1 0.0 351.4



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



#74

N-ethyl acetate

Concen: 1.27 ug/l

RT: 9.82 min Scan# 2872

Delta R.T. -0.19 min

Lab File: VU025315.D

Acq: 11 Jul 2018 15:27

Tgt Ion: 43 Resp: 19

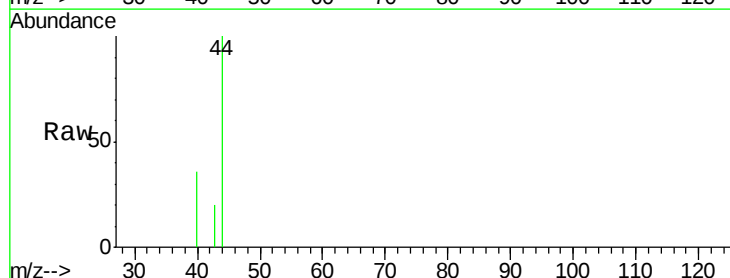
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.2#

55 0.0 19.0 28.6#

61 0.0 19.3 28.9#

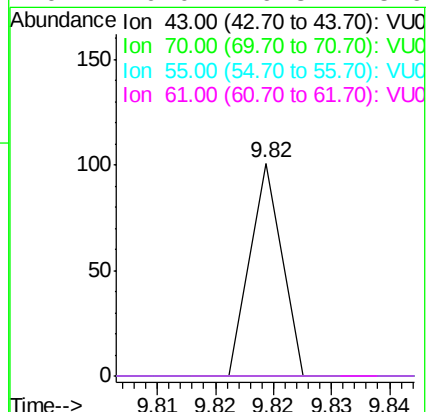
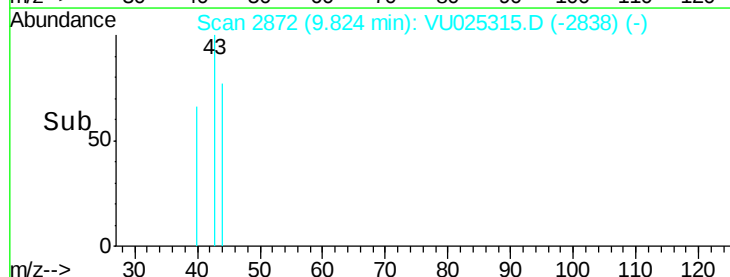


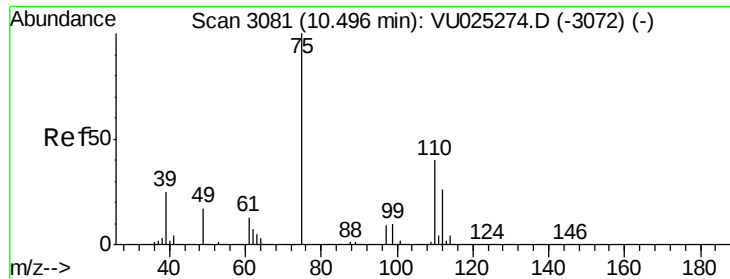
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#76

1,2,3-Trichloropropane

Concen: 28.17 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025315.D

Acq: 11 Jul 2018 15:27

Instrument :

MSVOA_U

ClientSampleId :

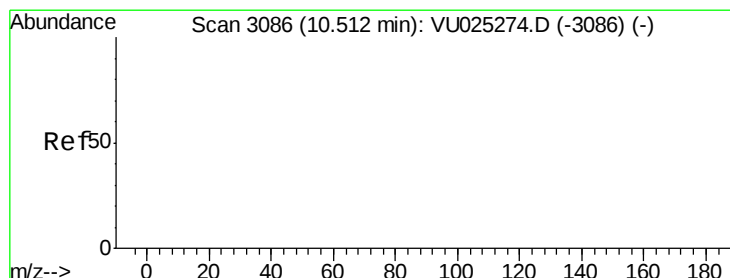
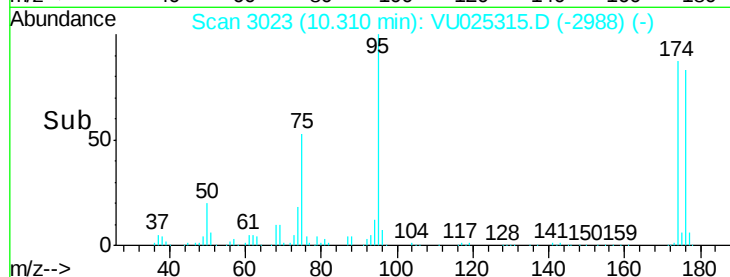
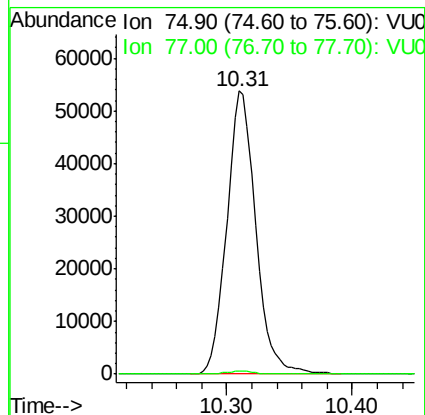
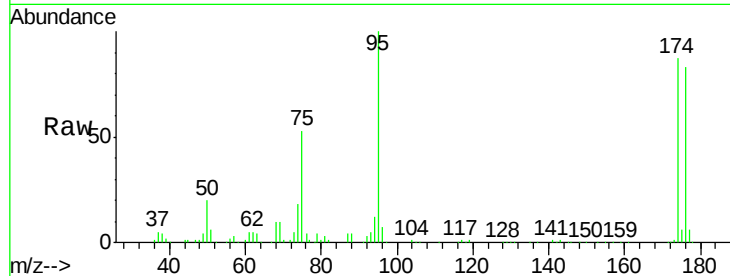
CPTB03-180709

Tot Ion: 75 Resp: 86131

Ion Ratio Lower Upper

75 100

77 1.0 20.4 61.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.98 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025315.D

Acq: 11 Jul 2018 15:27

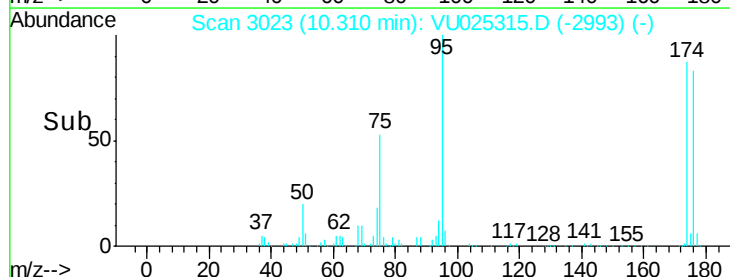
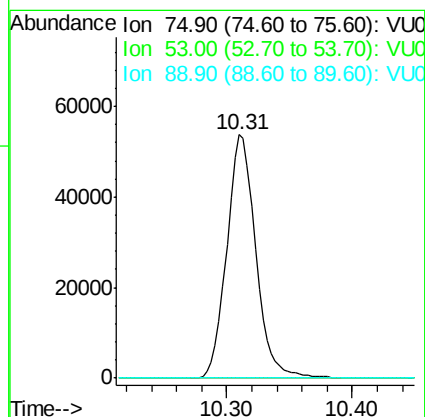
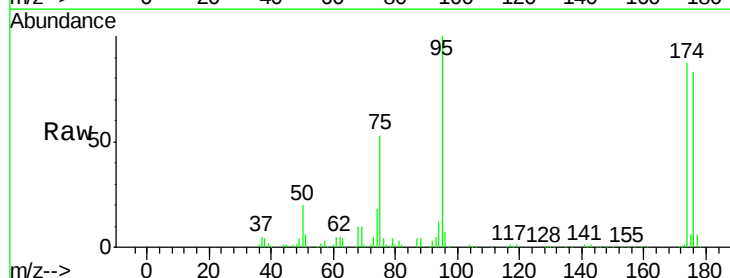
Tgt Ion: 75 Resp: 86131

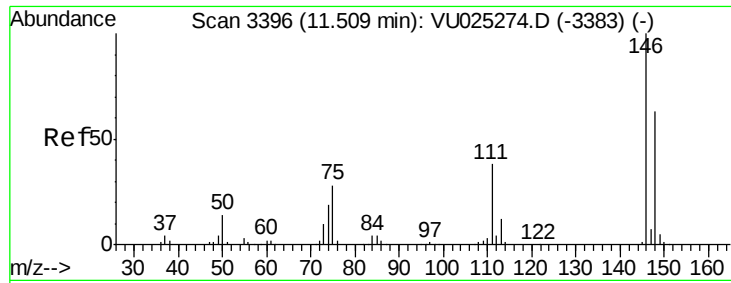
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

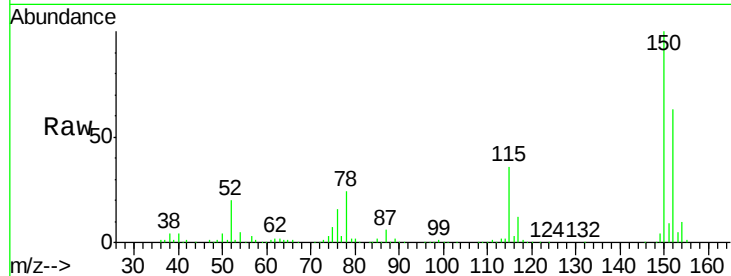




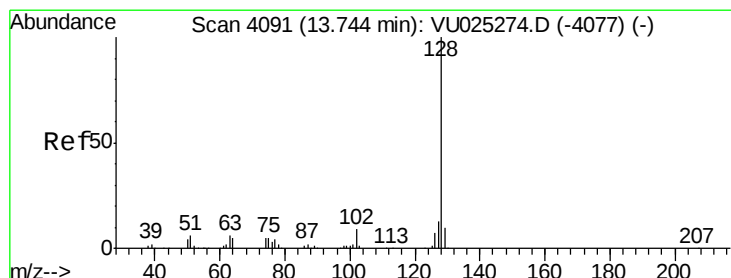
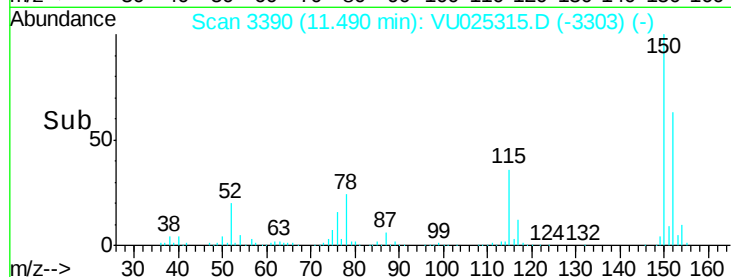
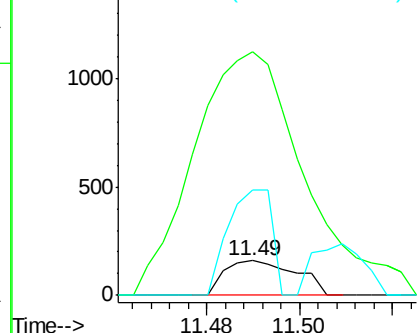
#88
 1,4-Dichlorobenzene
 Concen: 1.52 ug/l
 RT: 11.49 min Scan# 3390
 Delta R.T. -0.02 min
 Lab File: VU025315.D
 Acq: 11 Jul 2018 15:27

Instrument :
 MSVOA_U
 ClientSampleId :
 CPTB03-180709

Tot Ion:146 Resp: 172
 Ion Ratio Lower Upper
 146 100
 111 1086.6 19.4 58.1#
 148 186.0 31.7 95.1#

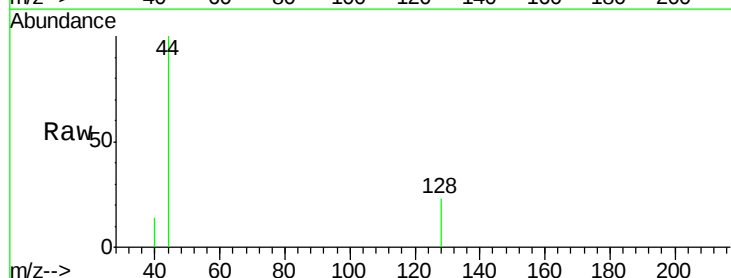


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



#95
 Naphthalene
 Concen: 2.44 ug/l
 RT: 13.76 min Scan# 4097
 Delta R.T. 0.02 min
 Lab File: VU025315.D
 Acq: 11 Jul 2018 15:27

Tgt Ion:128 Resp: 288
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.5 15.7#
 129 0.0 8.3 12.5#



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

