

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071118\
 Data File : VU025316.D
 Acq On : 11 Jul 2018 15:51
 Operator : MD/SY
 Sample : J3922-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPTB04-180709

Quant Time: Jul 12 03:12:02 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	200555	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	306554	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	285138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	143958	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	152793	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	
35) Dibromofluoromethane	4.89	113	119765	46.31	ug/l	0.00
Spiked Amount			Recovery	=	92.62%	
50) Toluene-d8	7.57	98	437177	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	10.31	95	160025	44.88	ug/l	0.00
Spiked Amount			Recovery	=	89.76%	

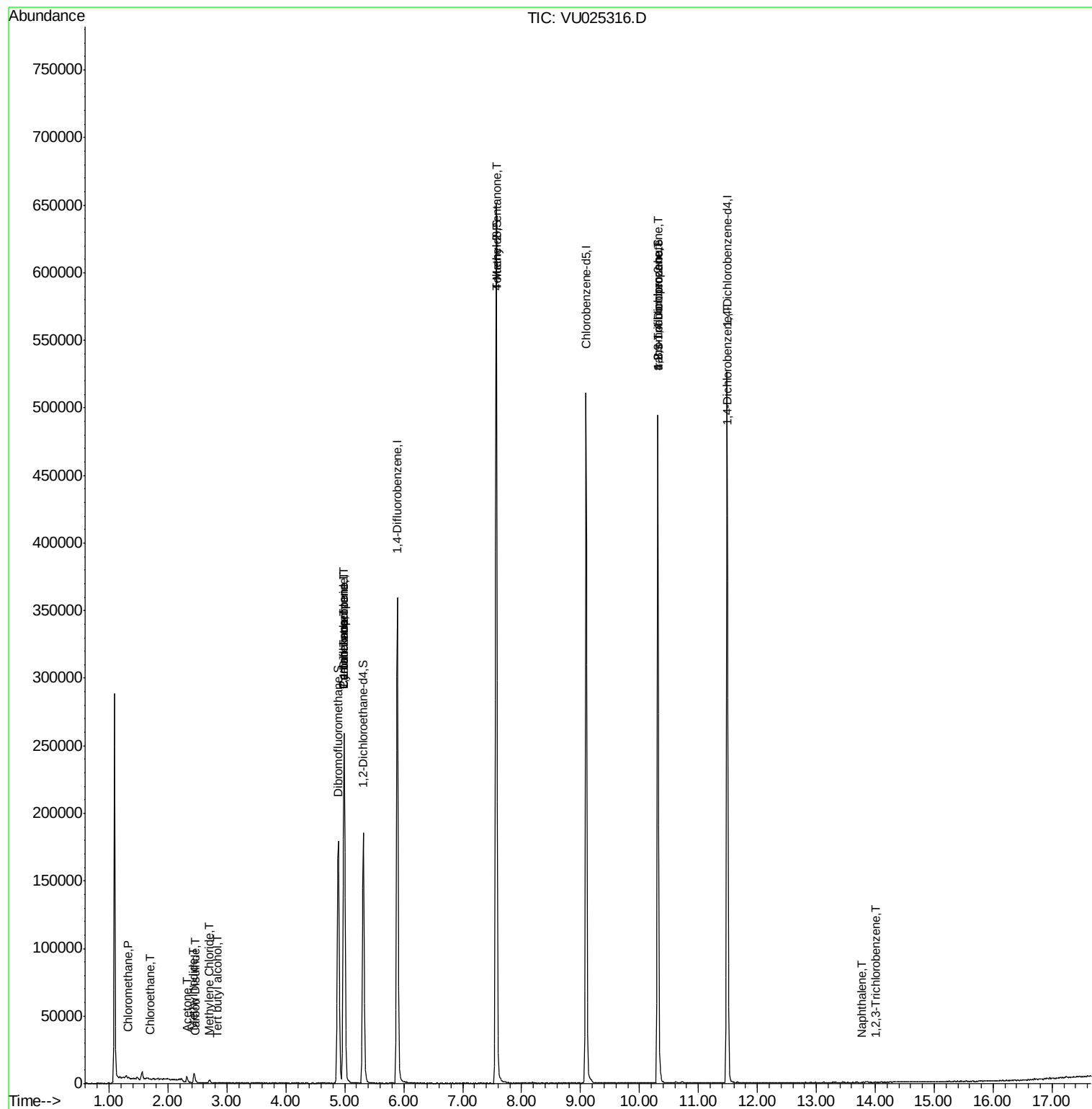
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	998	1.04	ug/l	92
5) Bromomethane	1.63	94	279	Below Cal		82
6) Chloroethane	1.71	64	105	0.36	ug/l #	43
10) Methyl Iodide	2.43	142	176	7.76	ug/l #	39
11) Tert butyl alcohol	2.84	59	251	0.37	ug/l #	73
16) Acetone	2.32	43	4654	7.74	ug/l #	86
17) Carbon Disulfide	2.47	76	305	1.98	ug/l #	74
20) Methylene Chloride	2.71	84	1101	1.14	ug/l #	83
31) Cyclohexane	4.99	56	4303	1.82	ug/l #	37
36) 1,1-Dichloropropene	4.99	75	15022	4.41	ug/l #	49
38) Carbon Tetrachloride	4.99	117	20479	5.58	ug/l #	16
51) 4-Methyl-2-Pentanone	7.57	43	1938	0.49	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	83431	28.46	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	83431	72.75	ug/l #	100
88) 1,4-Dichlorobenzene	11.50	146	140	1.51	ug/l #	25
95) Naphthalene	13.77	128	64	2.42	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.00	180	40	2.54	ug/l #	12

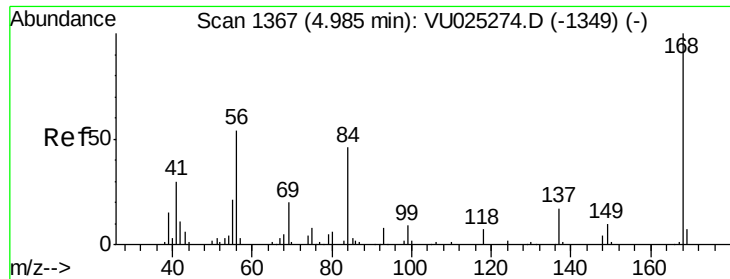
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025316.D

Acq: 11 Jul 2018 15:51

Instrument :

MSVOA_U

ClientSampleId :

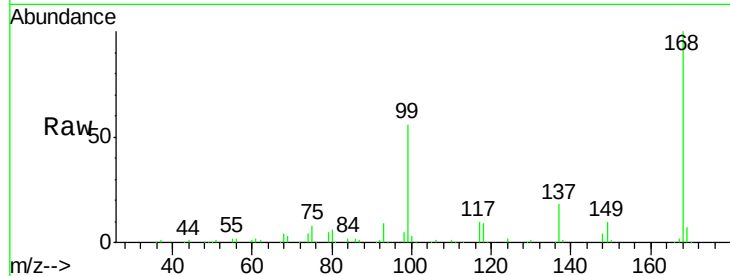
CPTB04-180709

Tot Ion:168 Resp: 200555

Ion Ratio Lower Upper

168 100

99 56.4 42.8 64.2



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

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

4.99

80000

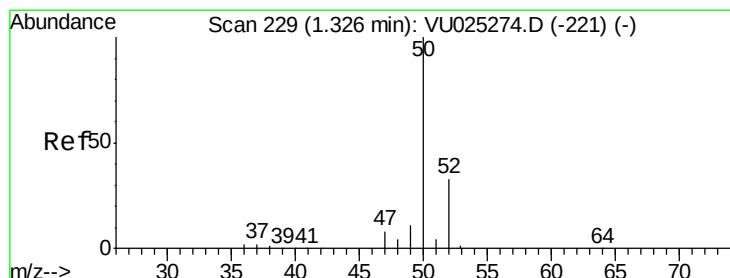
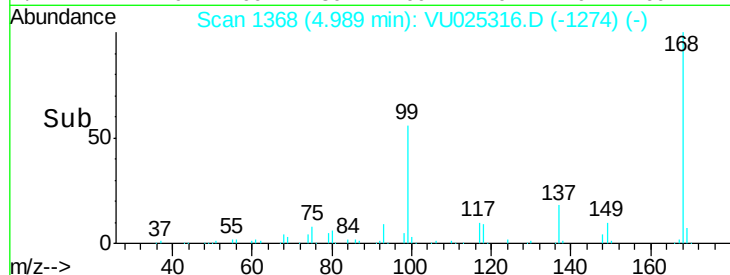
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 1.04 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025316.D

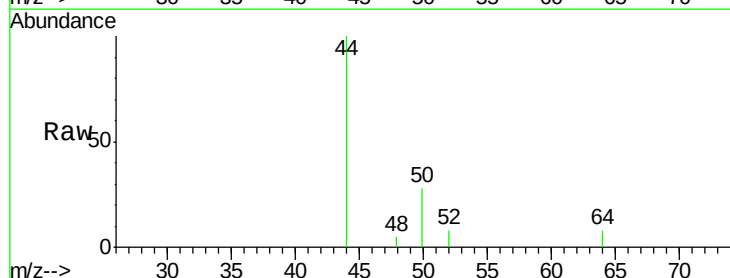
Acq: 11 Jul 2018 15:51

Tgt Ion: 50 Resp: 998

Ion Ratio Lower Upper

50 100

52 28.8 26.5 39.7



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

Ion 51.90 (51.60 to 52.60): VU025274.D (-221) (-)

1.33

1000

800

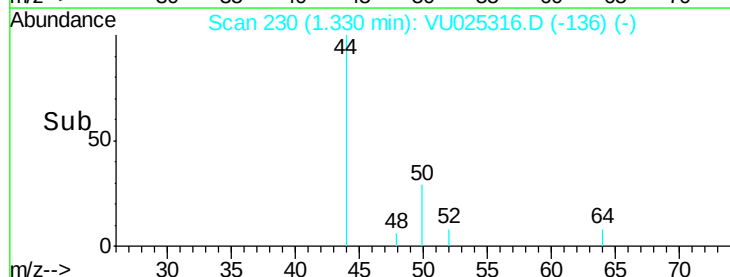
600

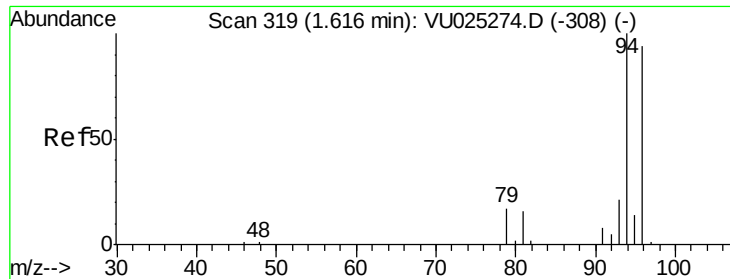
400

200

0

Time-->

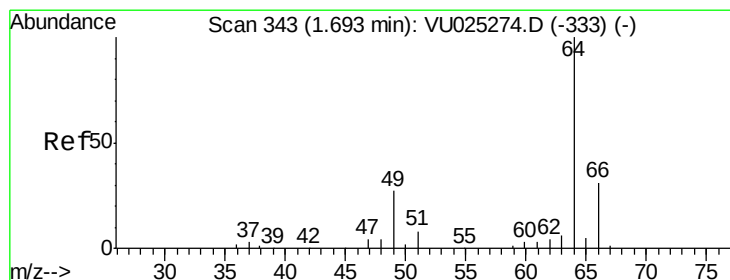
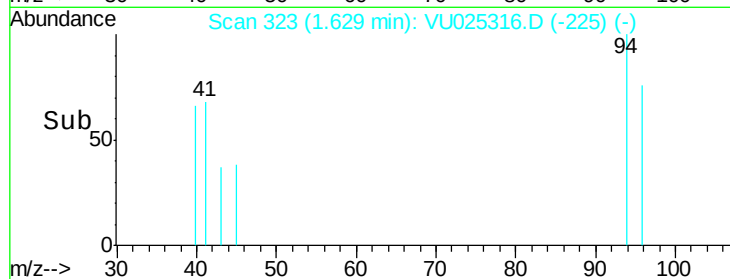
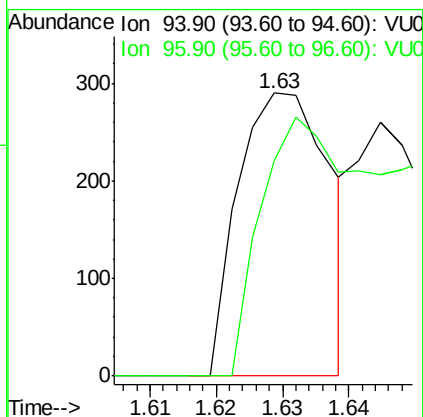
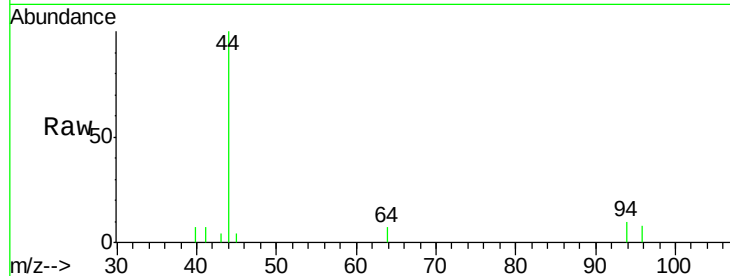




#5
Bromomethane
Concen: Below Cal
RT: 1.63 min Scan# 323
Delta R.T. 0.01 min
Lab File: VU025316.D
Acq: 11 Jul 2018 15:51

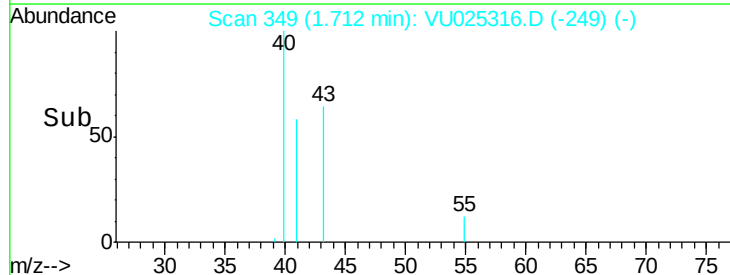
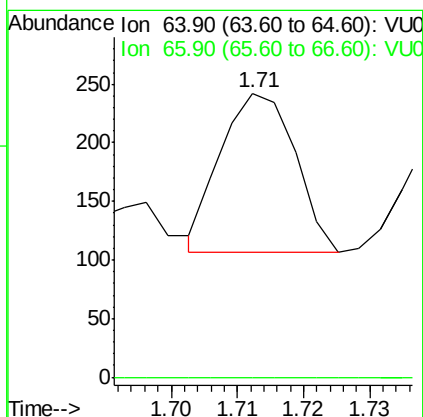
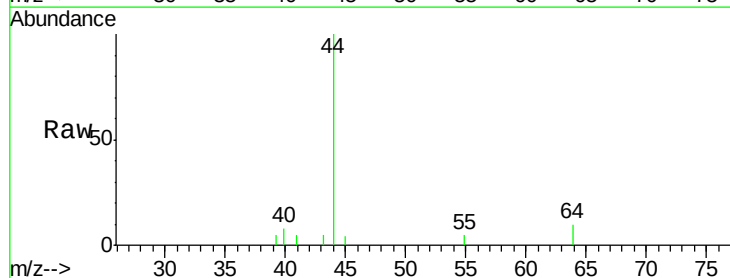
Instrument :
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CPTB04-180709

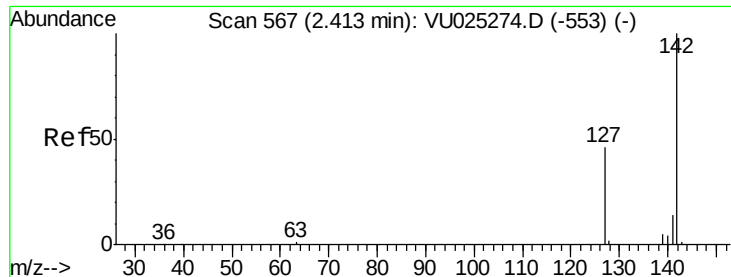
Tot Ion: 94 Resp: 279
Ion Ratio Lower Upper
94 100
96 76.2 75.0 112.4



#6
Chloroethane
Concen: 0.36 ug/l
RT: 1.71 min Scan# 349
Delta R.T. 0.02 min
Lab File: VU025316.D
Acq: 11 Jul 2018 15:51

Tgt Ion: 64 Resp: 105
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

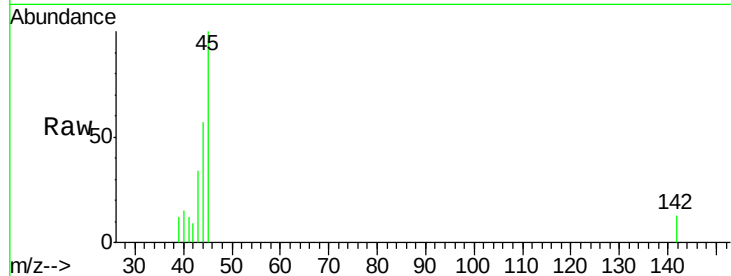




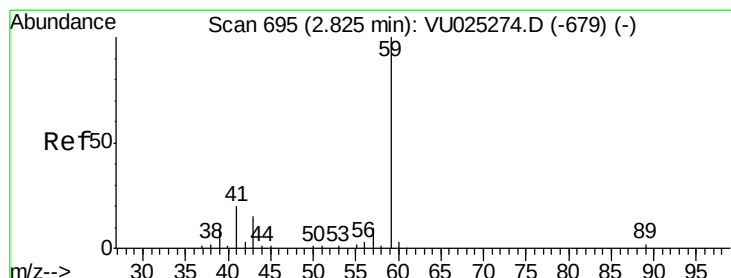
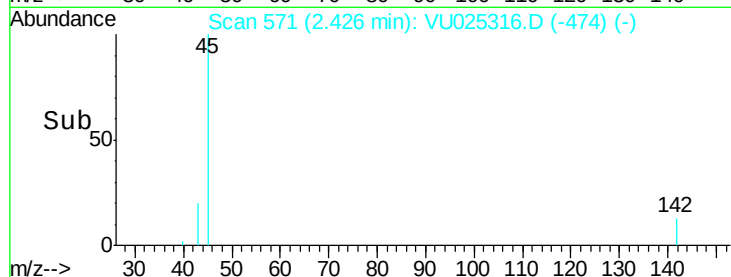
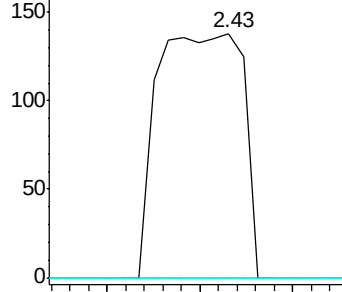
#10
Methvl Iodide
Concen: 7.76 ug/l
RT: 2.43 min Scan# 571
Delta R.T. 0.01 min
Lab File: VU025316.D
Acq: 11 Jul 2018 15:51

Instrument :
MSVOA_U
ClientSampleId :
CPTB04-180709

Tot Ion:142 Resp: 176
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 11.4 17.2#

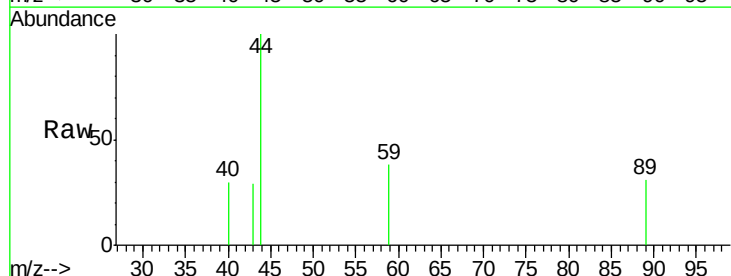


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

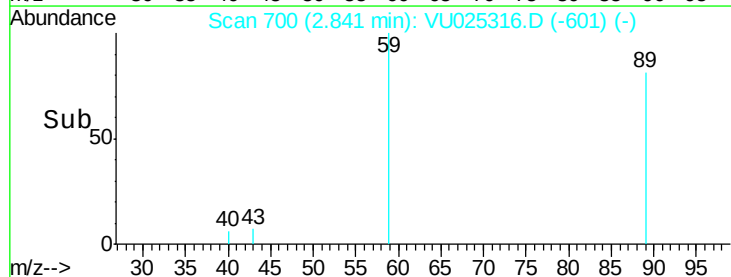
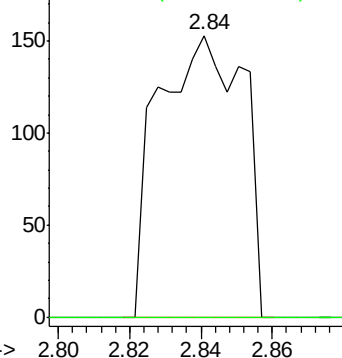


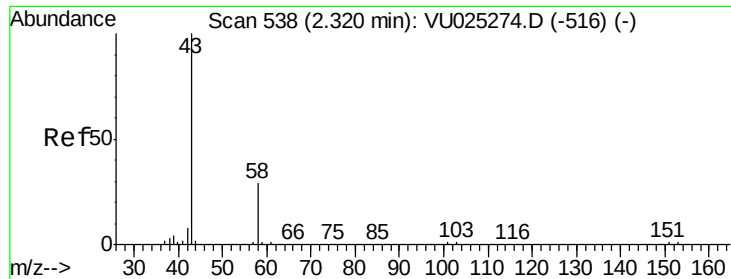
#11
Tert butyl alcohol
Concen: 0.37 ug/l
RT: 2.84 min Scan# 700
Delta R.T. 0.02 min
Lab File: VU025316.D
Acq: 11 Jul 2018 15:51

Tgt Ion: 59 Resp: 251
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#16

Acetone

Concen: 7.74 ug/l

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU025316.D

Acq: 11 Jul 2018 15:51

Instrument :

MSVOA_U

ClientSampleId :

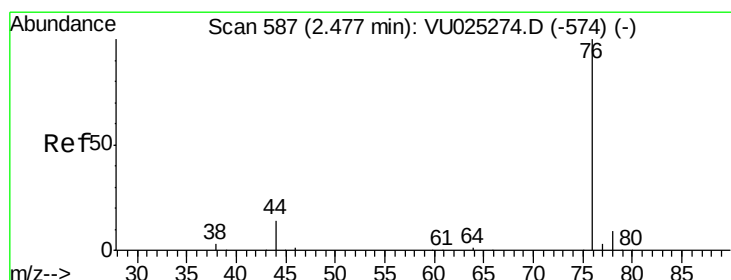
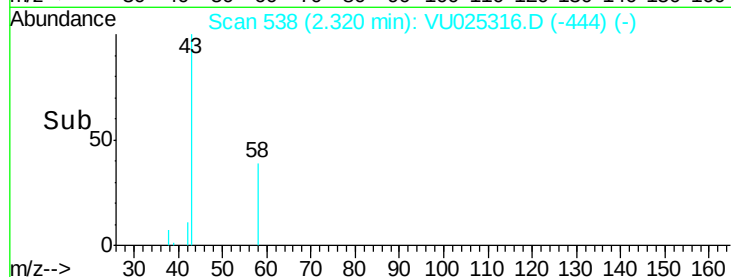
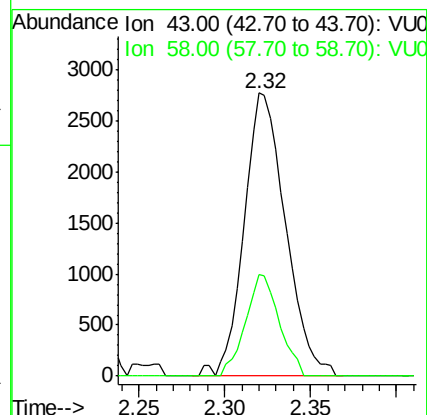
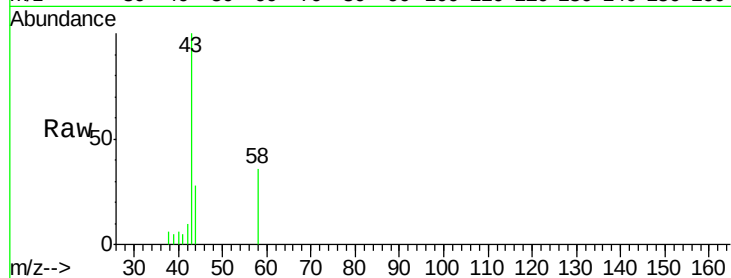
CPTB04-180709

Tot Ion: 43 Resp: 4654

Ion Ratio Lower Upper

43 100

58 36.1 23.1 34.7#



#17

Carbon Disulfide

Concen: 1.98 ug/l

RT: 2.47 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU025316.D

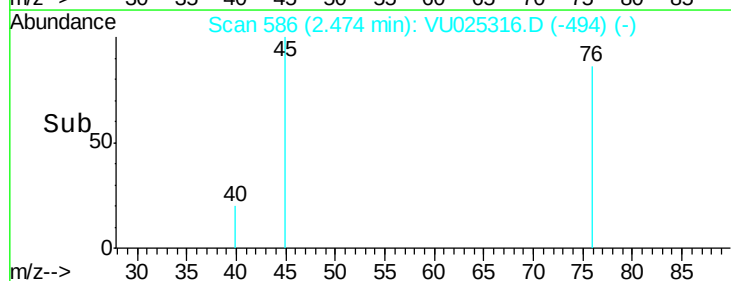
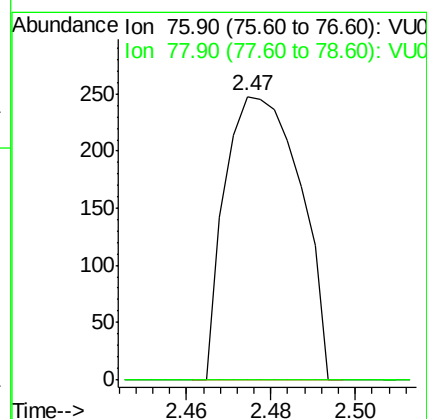
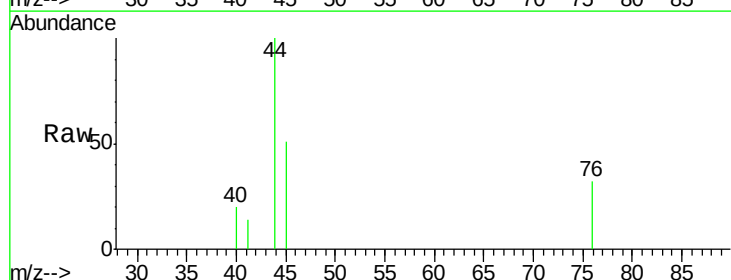
Acq: 11 Jul 2018 15:51

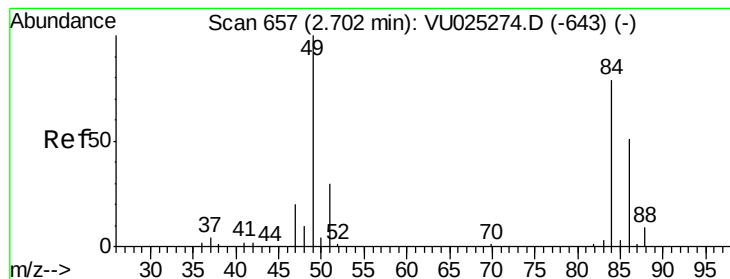
Tgt Ion: 76 Resp: 305

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#





#20

Methylene Chloride

Concen: 1.14 ug/l

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU025316.D

Acq: 11 Jul 2018 15:51

Instrument :

MSVOA_U

ClientSampleId :

CPTB04-180709

Tot Ion: 84 Resp: 1101

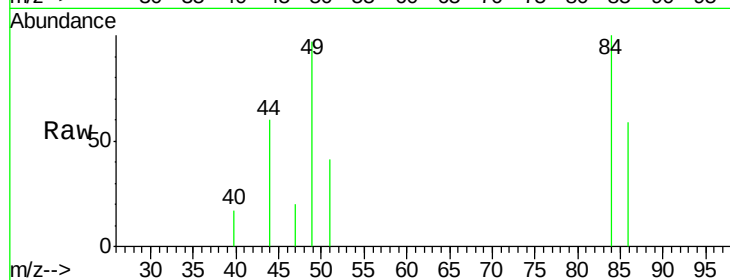
Ion Ratio Lower Upper

84 100

49 97.4 101.8 152.6#

51 41.1 30.8 46.2

86 58.6 51.9 77.9

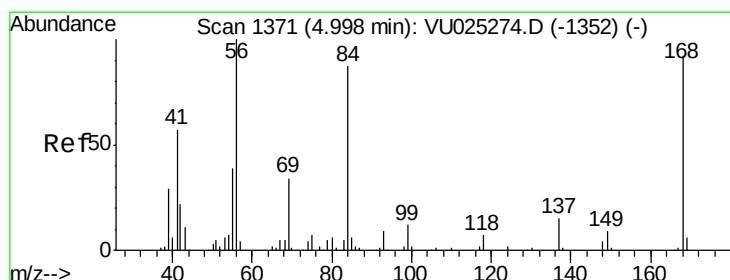
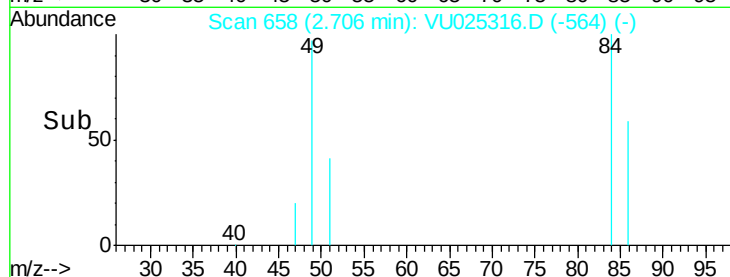
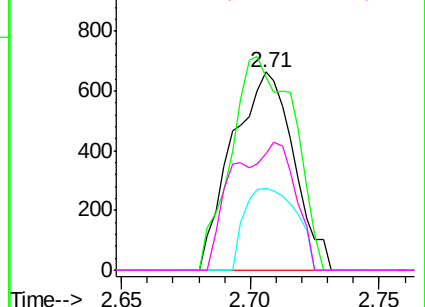


Abundance Ion 83.90 (83.60 to 84.60): VU0

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: 1.82 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU025316.D

Acq: 11 Jul 2018 15:51

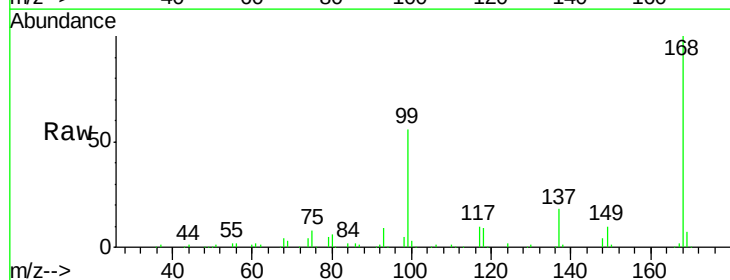
Tgt Ion: 56 Resp: 4303

Ion Ratio Lower Upper

56 100

69 143.5 26.8 40.2#

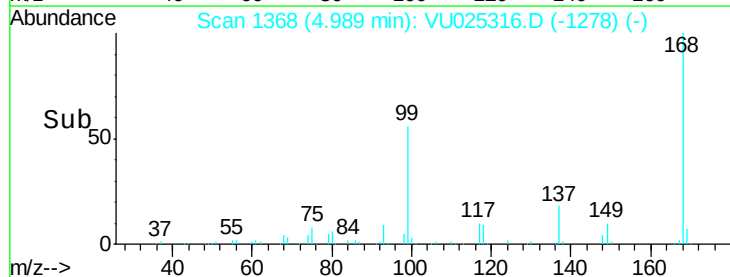
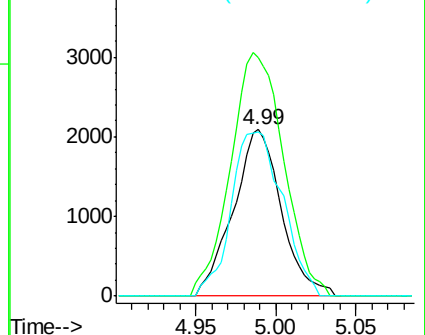
84 98.4 69.7 104.5

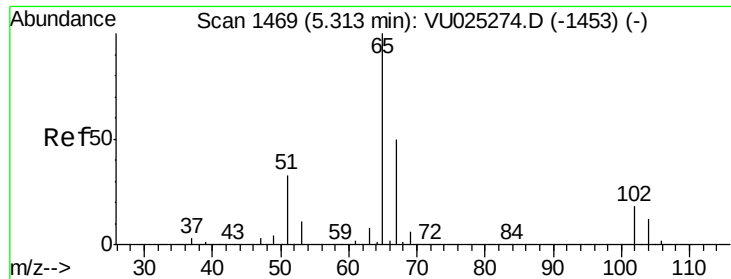


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

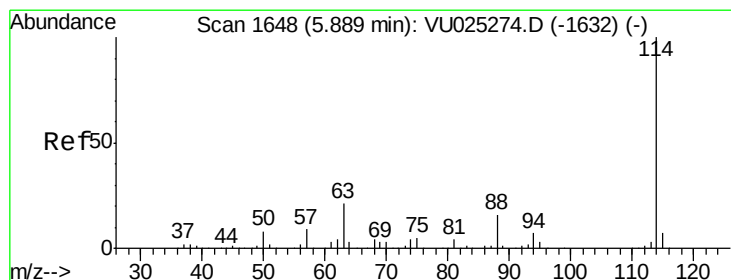
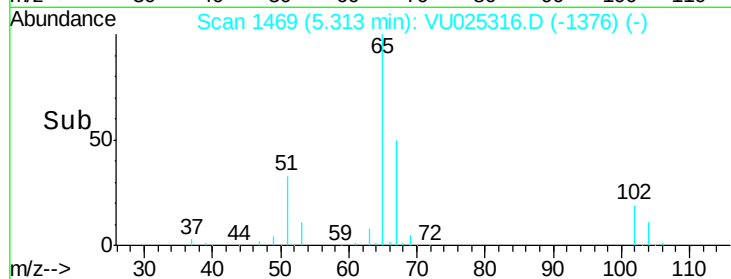
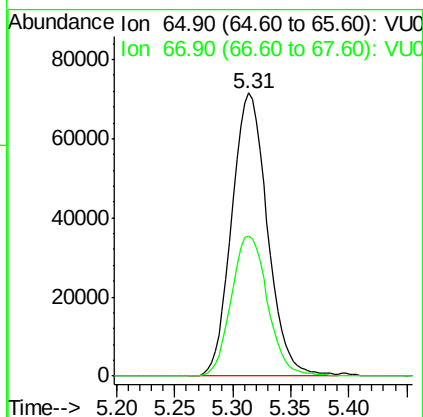
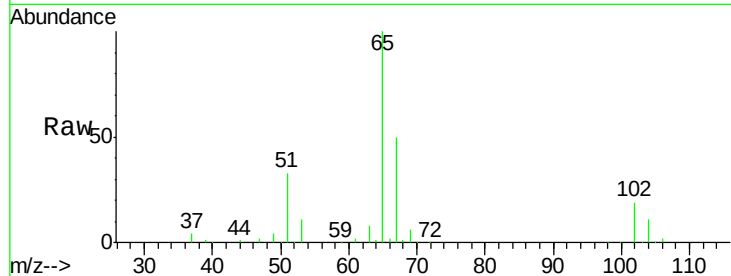




#33
 1,2-Dichloroethane-d4
 Concen: 49.04 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025316.D
 Acq: 11 Jul 2018 15:51

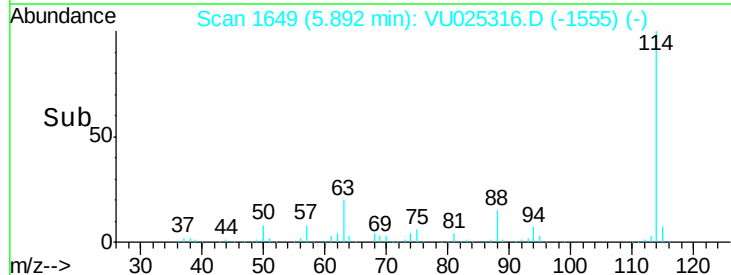
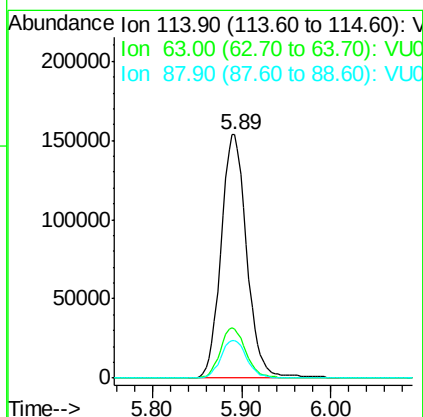
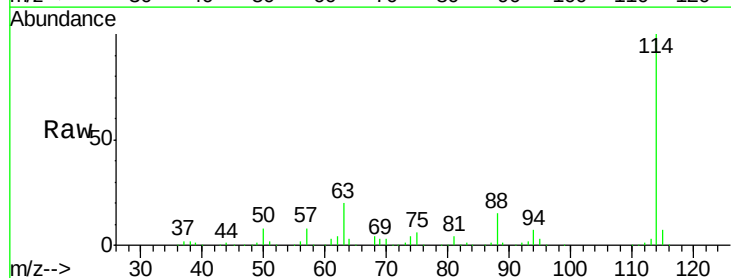
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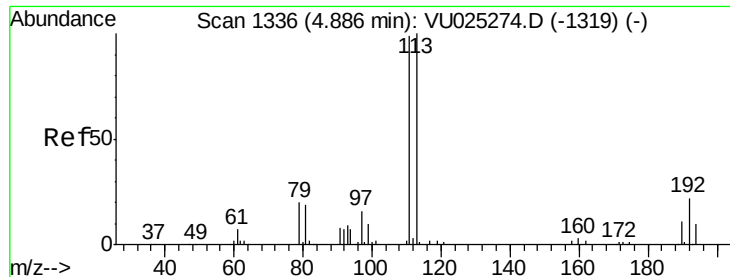
Tot Ion: 65 Resp: 152793
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025316.D
 Acq: 11 Jul 2018 15:51

Tgt Ion: 114 Resp: 306554
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.6
 88 15.5 0.0 32.4

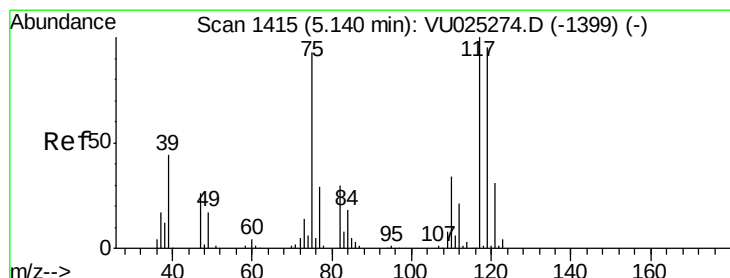
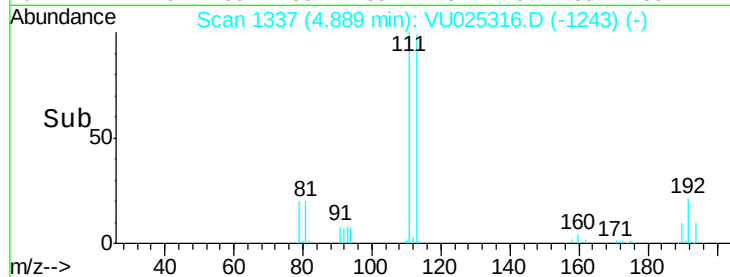
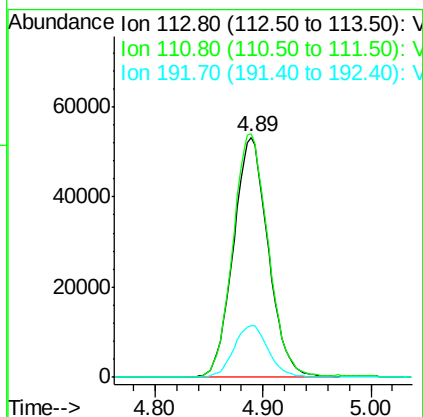
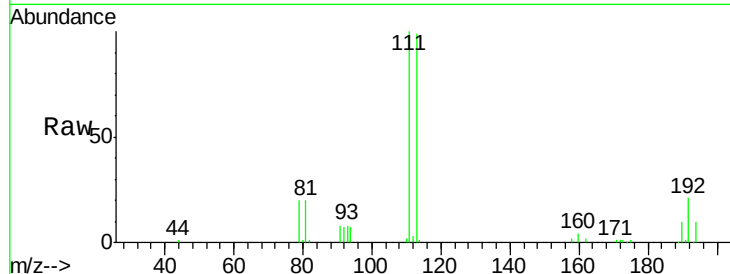




#35
 Dibromofluoromethane
 Concen: 46.31 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025316.D
 Acq: 11 Jul 2018 15:51

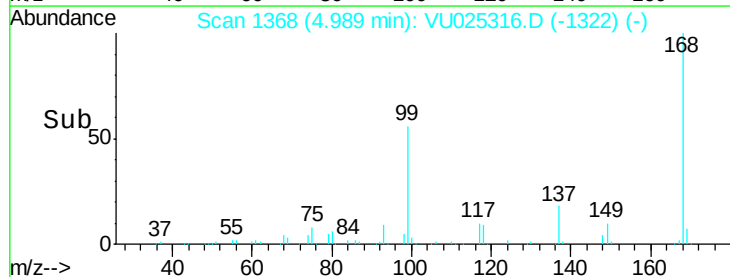
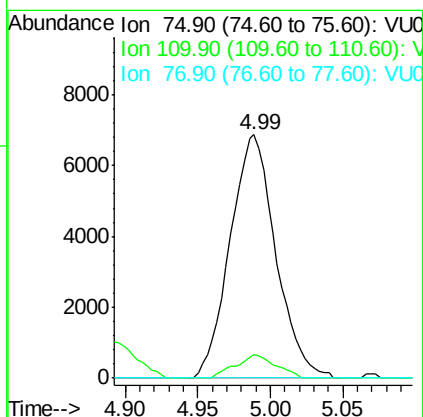
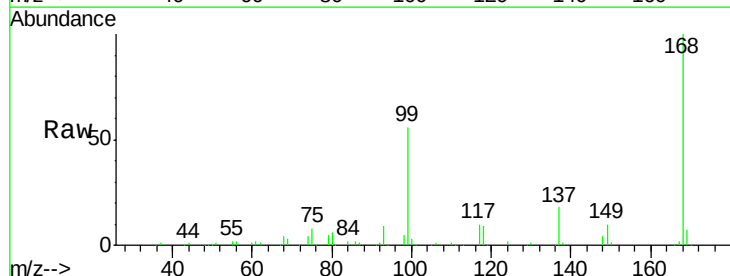
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 MSVOA_U
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 CPTB04-180709

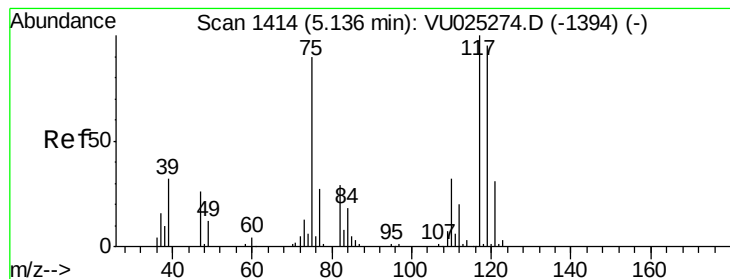
Tot Ion:113 Resp: 119765
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.7 122.5
 192 21.4 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.41 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025316.D
 Acq: 11 Jul 2018 15:51

Tgt Ion: 75 Resp: 15022
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.6 52.9#
 77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 5.58 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025316.D

Acq: 11 Jul 2018 15:51

Instrument :

MSVOA_U

ClientSampleId :

CPTB04-180709

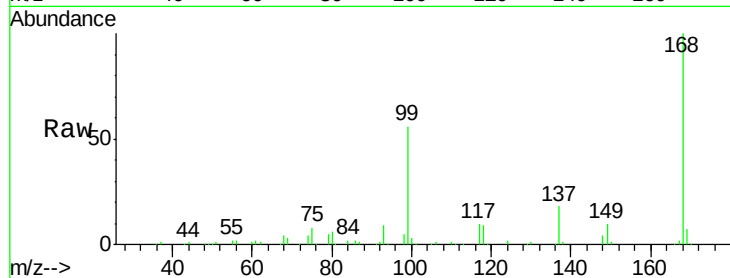
Tot Ion:117 Resp: 20479

Ion Ratio Lower Upper

117 100

119 4.4 75.7 113.5#

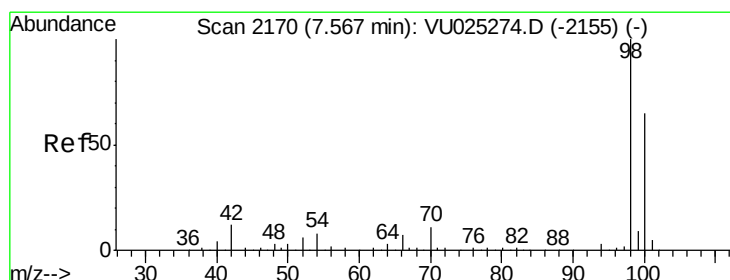
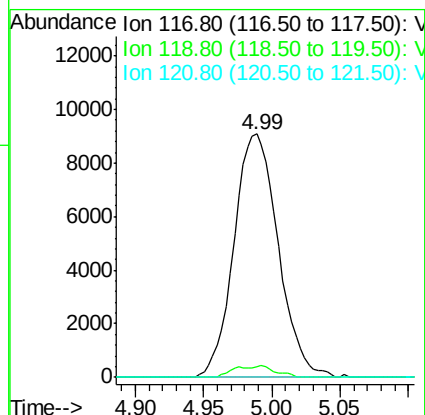
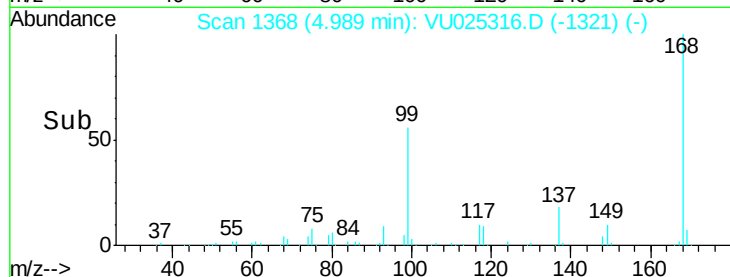
121 0.0 24.6 36.8#



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: 49.37 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025316.D

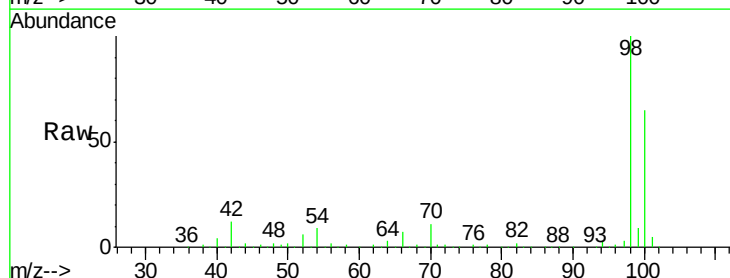
Acq: 11 Jul 2018 15:51

Tgt Ion: 98 Resp: 437177

Ion Ratio Lower Upper

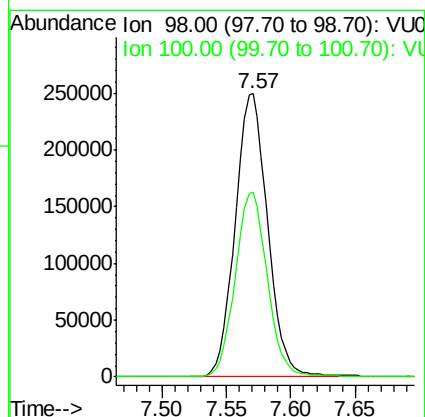
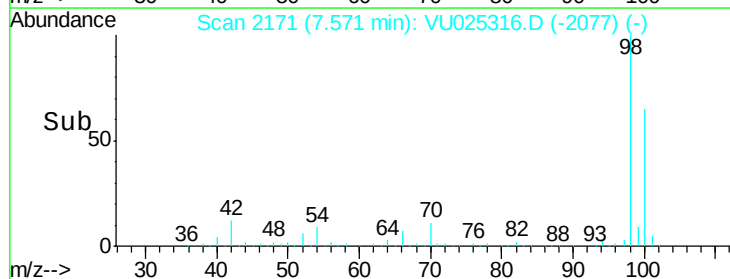
98 100

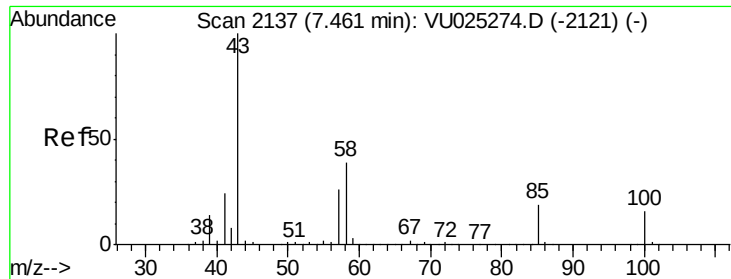
100 64.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#51

4-Methyl-2-Pentanone

Concen: 0.49 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.11 min

Lab File: VU025316.D

Acq: 11 Jul 2018 15:51

Instrument :

MSVOA_U

ClientSampleId :

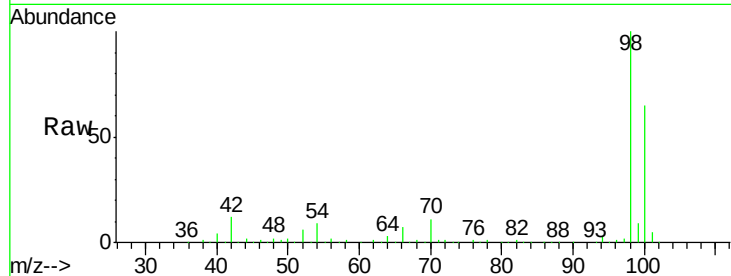
CPTB04-180709

Tot Ion: 43 Resp: 1938

Ion Ratio Lower Upper

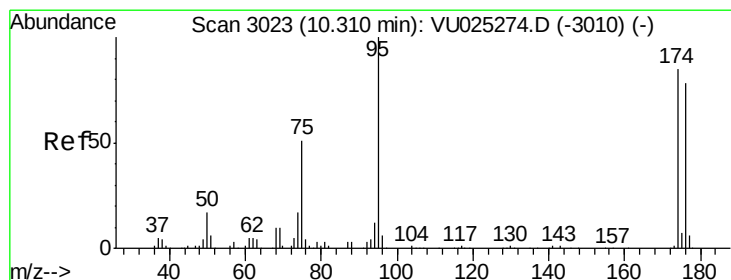
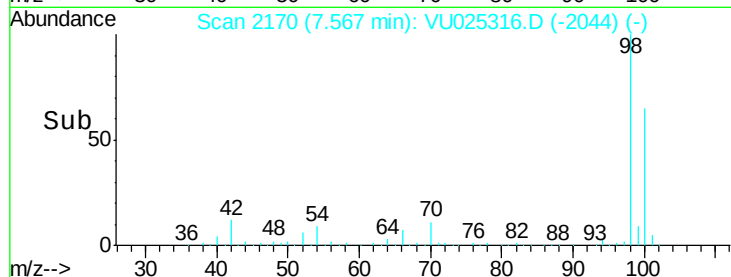
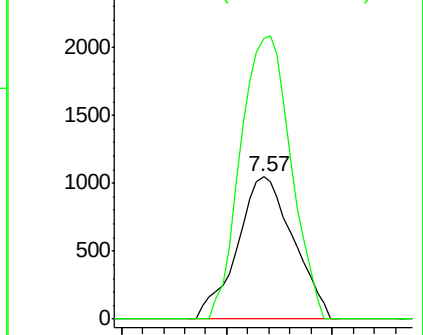
43 100

58 177.9 31.0 46.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#62

4-Bromofluorobenzene

Concen: 44.88 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025316.D

Acq: 11 Jul 2018 15:51

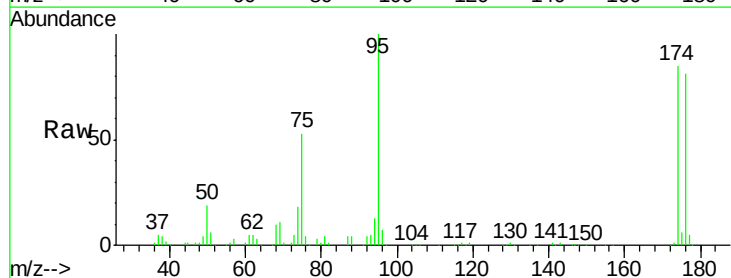
Tgt Ion: 95 Resp: 160025

Ion Ratio Lower Upper

95 100

174 85.7 0.0 172.2

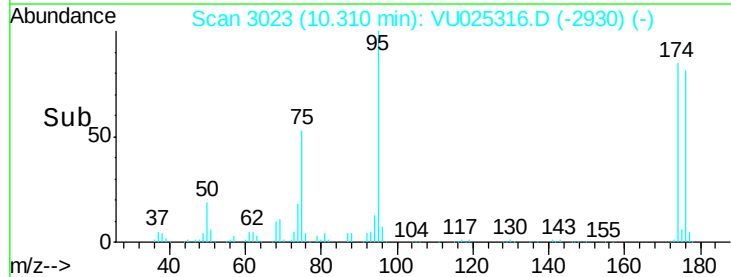
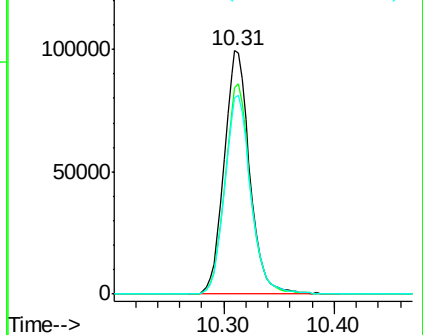
176 83.0 0.0 162.6

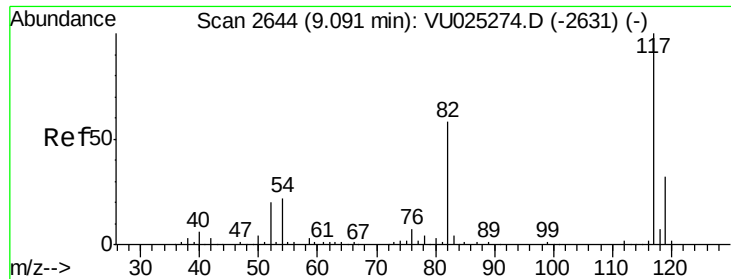


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

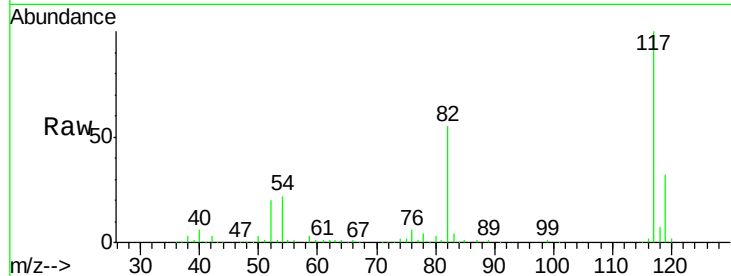




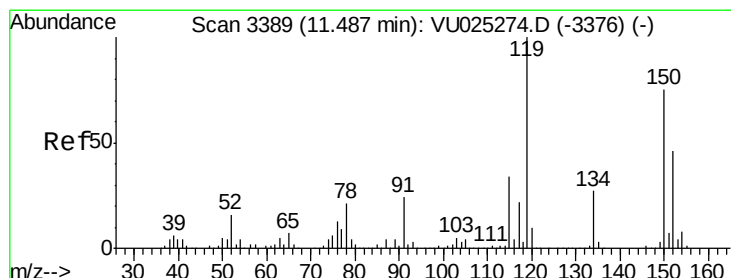
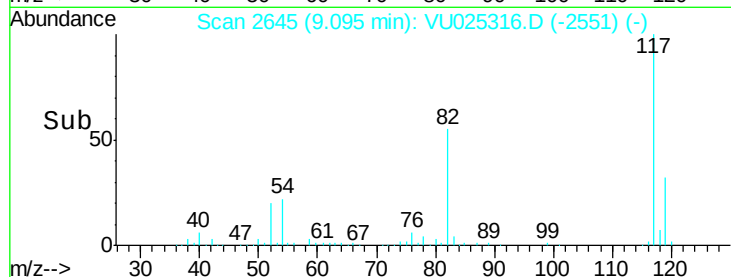
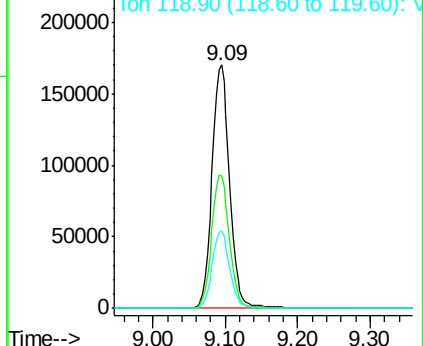
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025316.D
Acq: 11 Jul 2018 15:51

Instrument :
MSVOA_U
ClientSampleId :
CPTB04-180709

Tot Ion:117 Resp: 285138
Ion Ratio Lower Upper
117 100
82 54.6 46.0 69.0
119 31.6 26.0 39.0

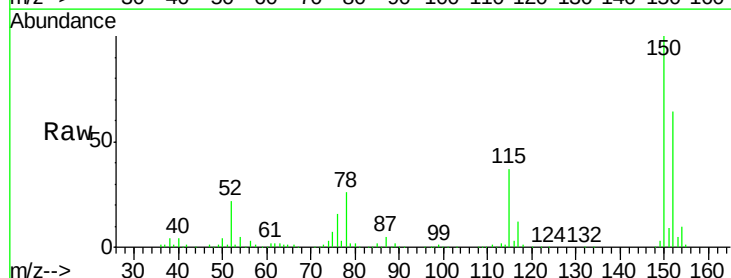


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

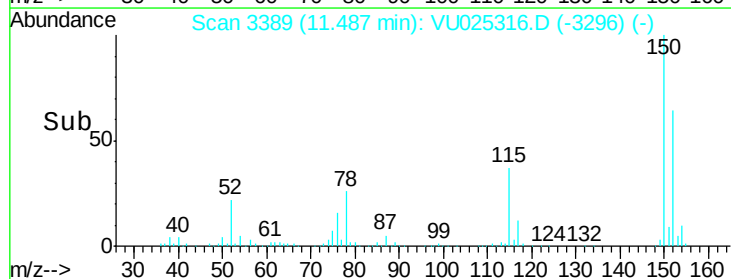
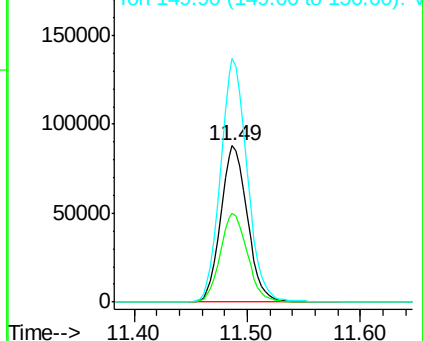


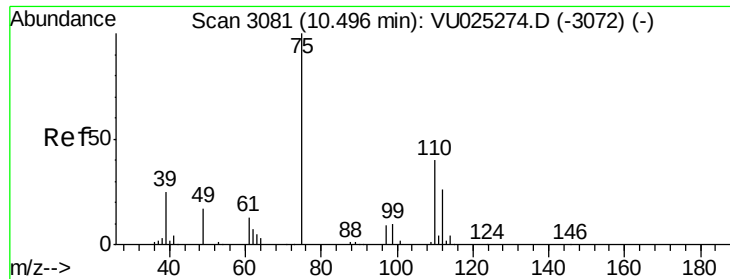
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025316.D
Acq: 11 Jul 2018 15:51

Tgt Ion:152 Resp: 143958
Ion Ratio Lower Upper
152 100
115 57.9 40.1 120.3
150 156.3 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

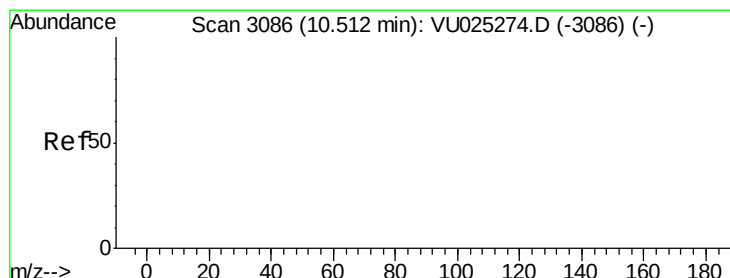
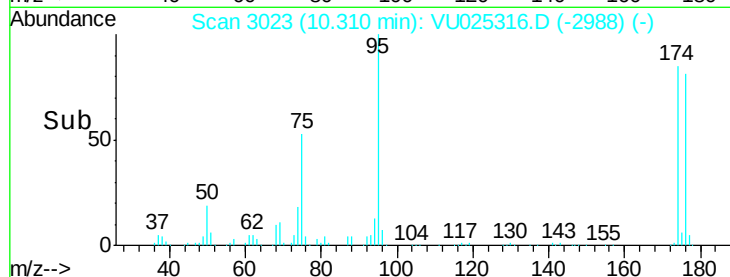
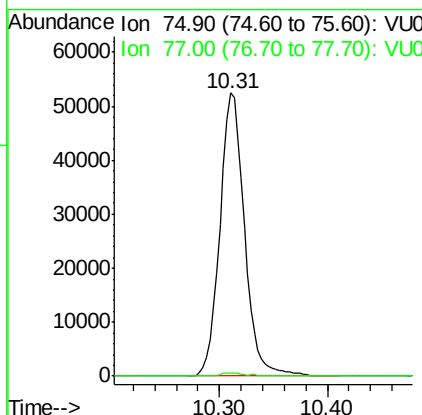
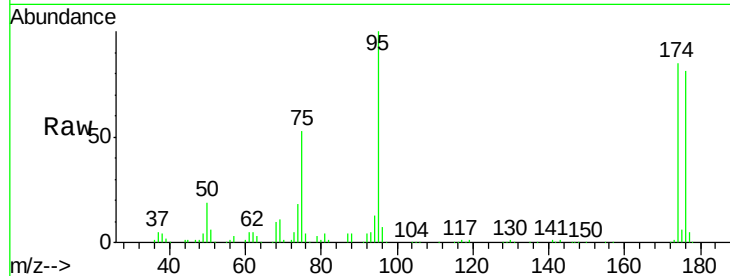




#76
 1,2,3-Trichloropropane
 Concen: 28.46 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025316.D
 Acq: 11 Jul 2018 15:51

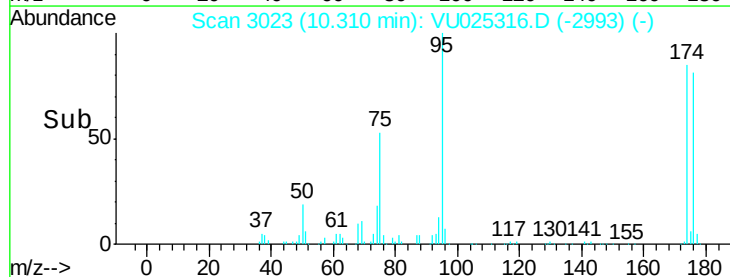
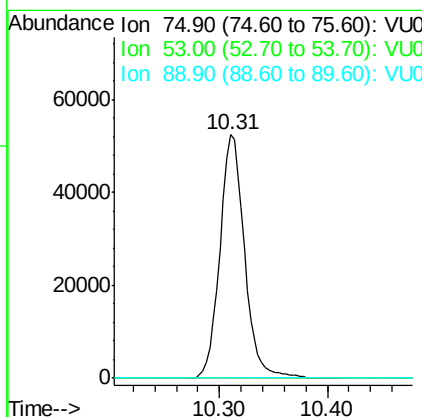
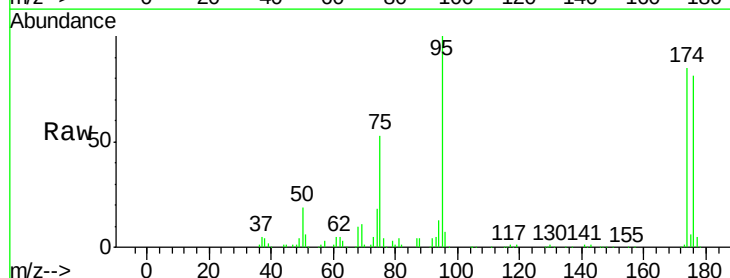
Instrument :
 MSVOA_U
 ClientSampleId :
 CPTB04-180709

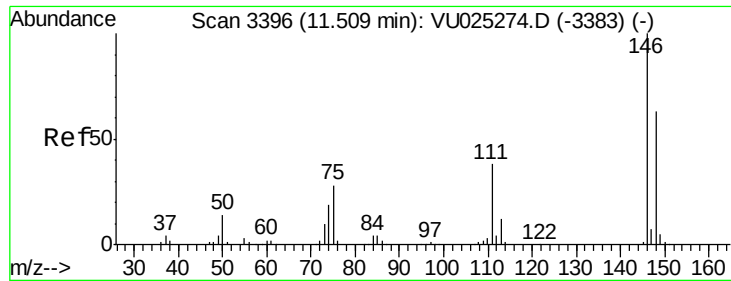
Tot Ion: 75 Resp: 83431
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.4 61.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.75 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU025316.D
 Acq: 11 Jul 2018 15:51

Tgt Ion: 75 Resp: 83431
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

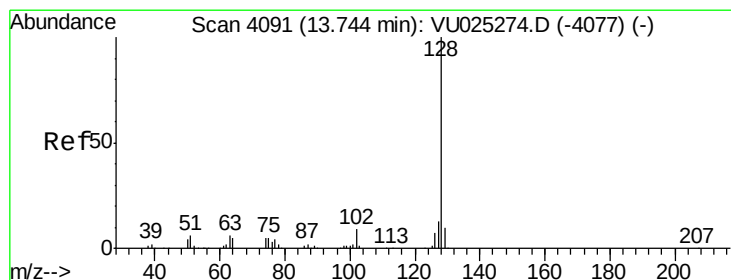
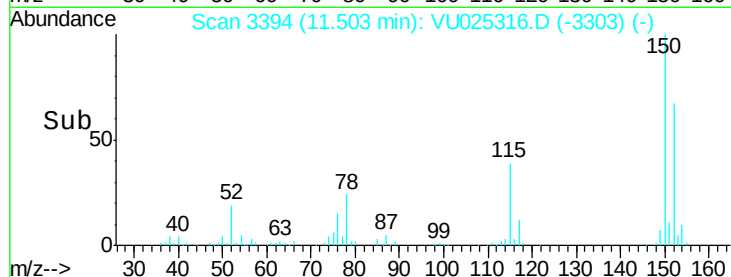
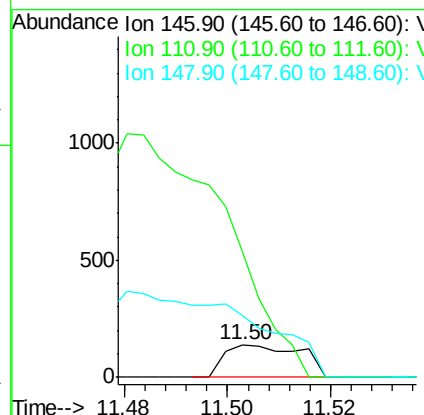
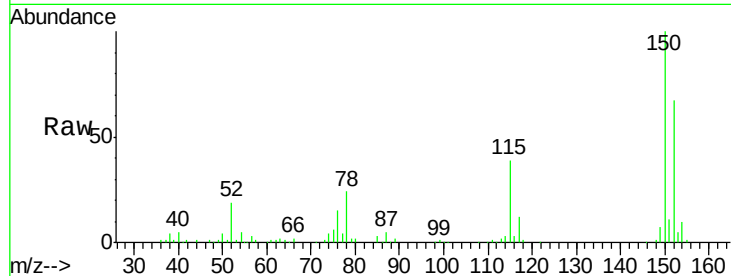




#88
 1,4-Dichlorobenzene
 Concen: 1.51 ug/l
 RT: 11.50 min Scan# 3394
 Delta R.T. -0.01 min
 Lab File: VU025316.D
 Acq: 11 Jul 2018 15:51

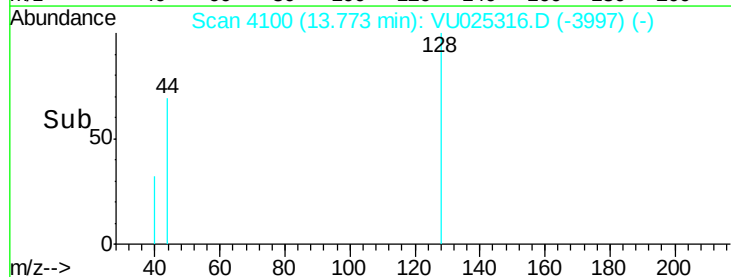
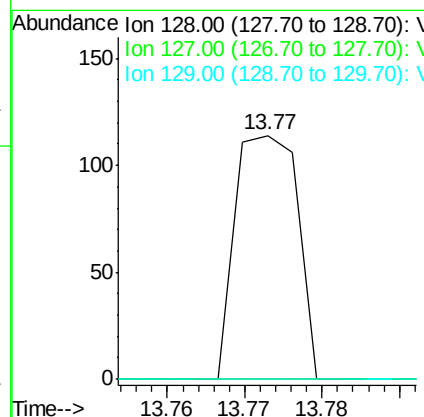
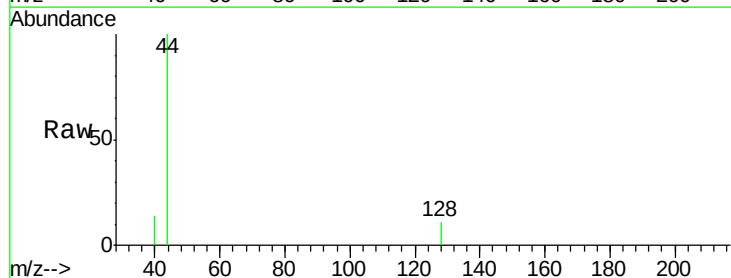
Instrument :
 MSVOA_U
 ClientSampleId :
 CPTB04-180709

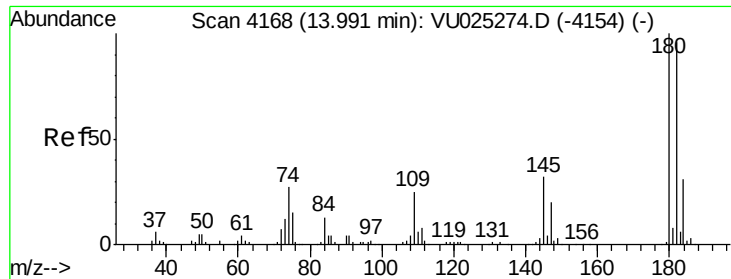
Tot Ion:146 Resp: 140
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.4 58.1#
 148 0.0 31.7 95.1#



#95
 Naphthalene
 Concen: 2.42 ug/l
 RT: 13.77 min Scan# 4100
 Delta R.T. 0.03 min
 Lab File: VU025316.D
 Acq: 11 Jul 2018 15:51

Tgt Ion:128 Resp: 64
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.5 15.7#
 129 0.0 8.3 12.5#





#96

1,2,3-Trichlorobenzene

Concen: 2.54 ug/l

RT: 14.00 min Scan# 4171

Delta R.T. 0.01 min

Lab File: VU025316.D

Acq: 11 Jul 2018 15:51

Instrument :

MSVOA_U

ClientSampleId :

CPTB04-180709

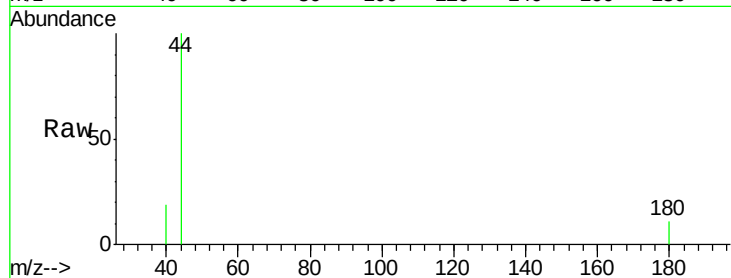
Tot Ion:180 Resp: 40

Ion Ratio Lower Upper

180 100

182 0.0 47.8 143.3#

145 0.0 15.6 46.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

