

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
 Data File : VU025284.D
 Acq On : 10 Jul 2018 13:13
 Operator : MD/SY
 Sample : J3898-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPTB02-180703

Quant Time: Jul 11 02:00:32 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	212577	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	321530	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	298688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	156556	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	161196	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
35) Dibromofluoromethane	4.89	113	126795	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
50) Toluene-d8	7.57	98	460055	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	10.31	95	170343	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	

Target Compounds

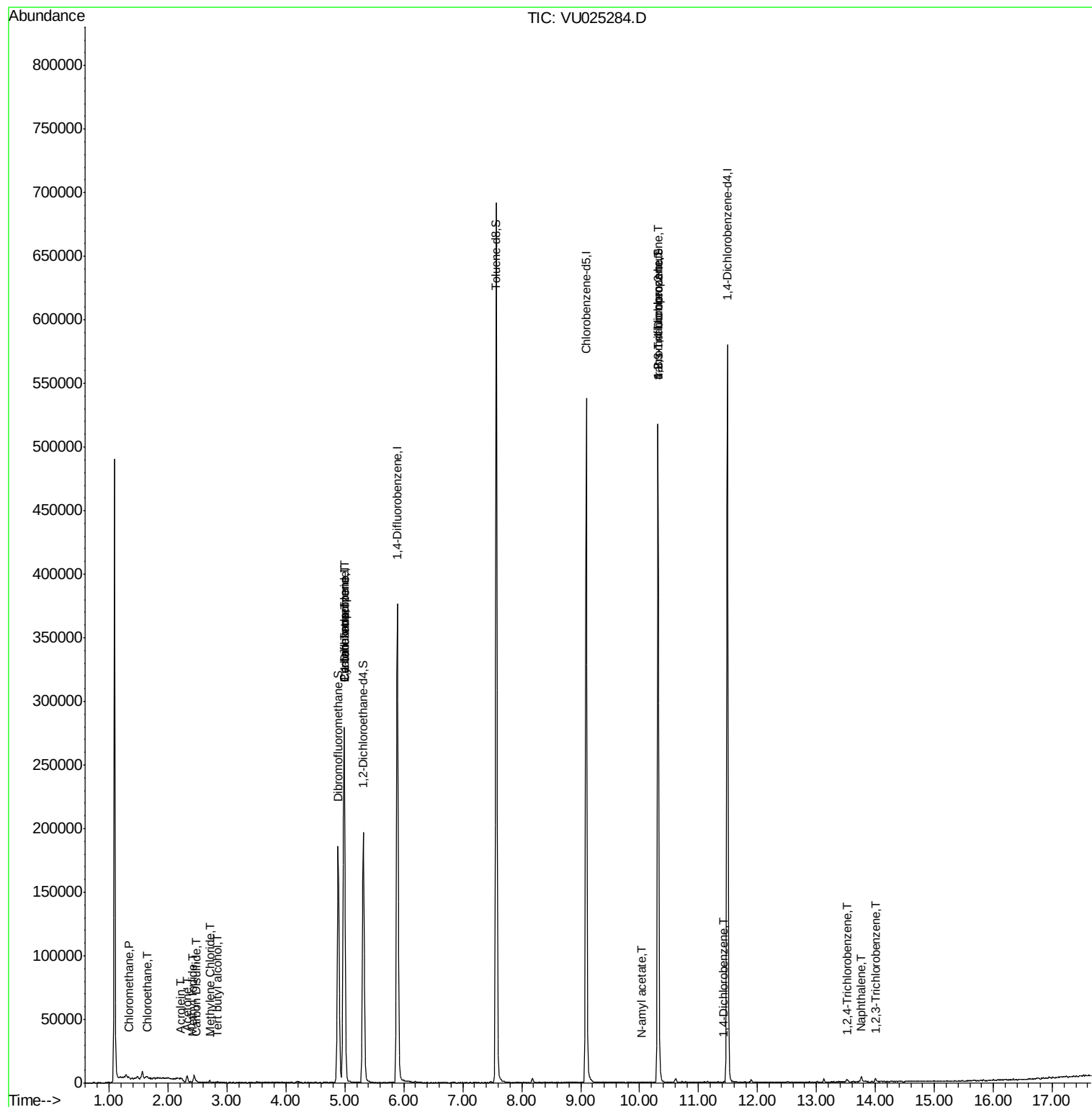
						Qvalue
3) Chloromethane	1.33	50	1047	1.04	ug/l	# 86
5) Bromomethane	1.63	94	809	Below	Cal	81
6) Chloroethane	1.66	64	20	0.30	ug/l	# 43
10) Methyl Iodide	2.41	142	722	7.94	ug/l	# 80
11) Tert butyl alcohol	2.84	59	547	0.76	ug/l	# 73
13) Acrolein	2.21	56	256	0.54	ug/l	# 14
16) Acetone	2.32	43	5149	7.86	ug/l	91
17) Carbon Disulfide	2.48	76	923	2.07	ug/l	# 74
20) Methylene Chloride	2.71	84	762	0.99	ug/l	# 82
31) Cyclohexane	4.99	56	3971	1.68	ug/l	# 1
36) 1,1-Dichloropropene	4.99	75	16246	4.54	ug/l	# 49
38) Carbon Tetrachloride	4.99	117	21044	5.47	ug/l	# 16
74) N-amyl acetate	10.03	43	202	1.31	ug/l	# 43
76) 1,2,3-Trichloropropane	10.31	75	89363	28.04	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	10.31	75	89363	71.65	ug/l	# 100
88) 1,4-Dichlorobenzene	11.43	146	345	1.55	ug/l	86
93) 1,2,4-Trichlorobenzene	13.52	180	951	3.52	ug/l	97
95) Naphthalene	13.76	128	6167	2.92	ug/l	# 90
96) 1,2,3-Trichlorobenzene	14.00	180	1229	2.83	ug/l	92

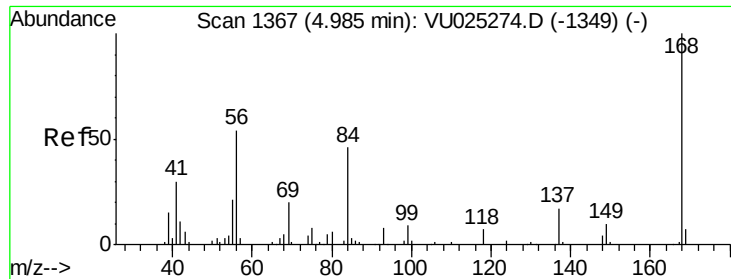
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU025284.D

Acq: 10 Jul 2018 13:13

Instrument :

MSVOA_U

ClientSampleId :

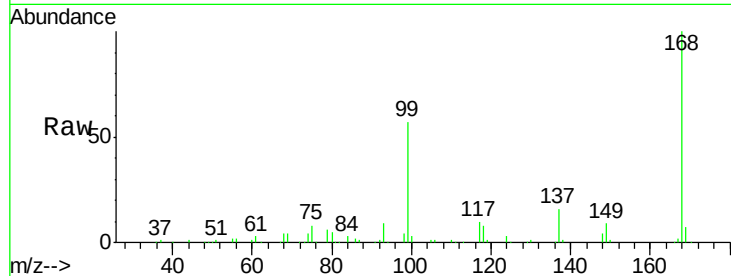
CPTB02-180703

Tot Ion:168 Resp: 212577

Ion Ratio Lower Upper

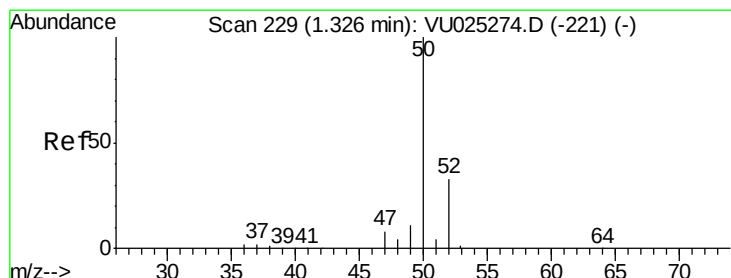
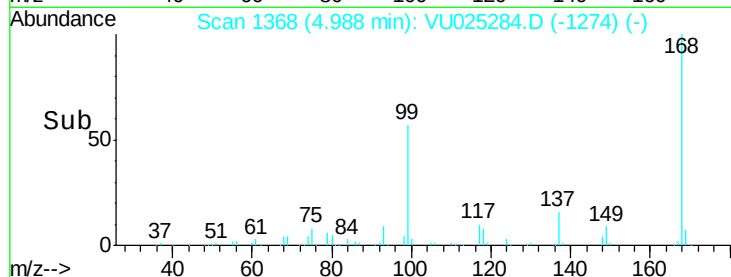
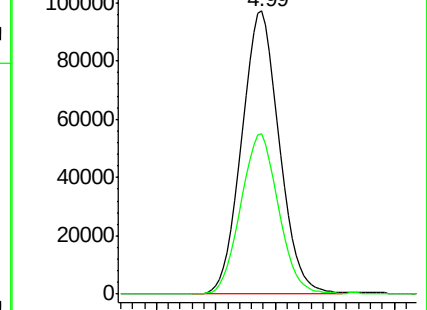
168 100

99 56.6 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) (-)



#3

Chloromethane

Concen: 1.04 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025284.D

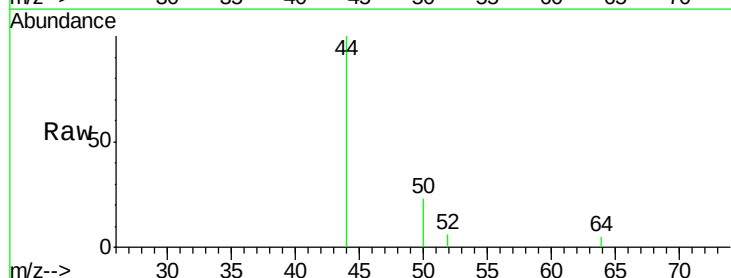
Acq: 10 Jul 2018 13:13

Tgt Ion: 50 Resp: 1047

Ion Ratio Lower Upper

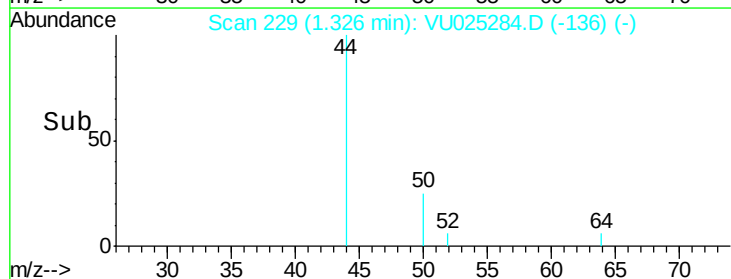
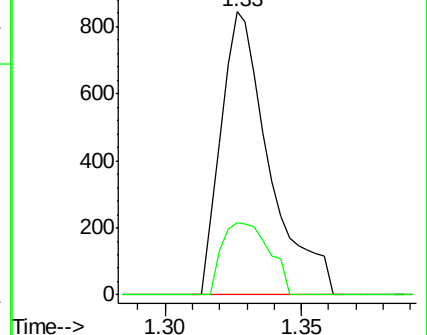
50 100

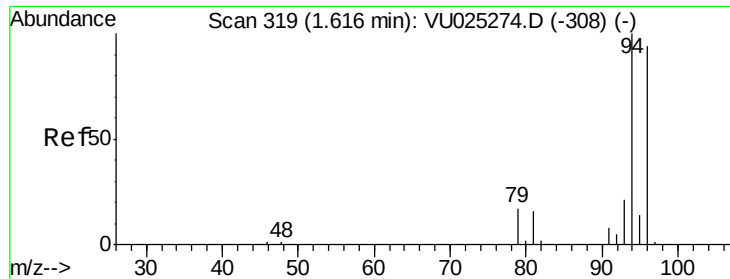
52 25.4 26.5 39.7#



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

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





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 325

Delta R.T. 0.02 min

Lab File: VU025284.D

Acq: 10 Jul 2018 13:13

Instrument :

MSVOA_U

ClientSampleId :

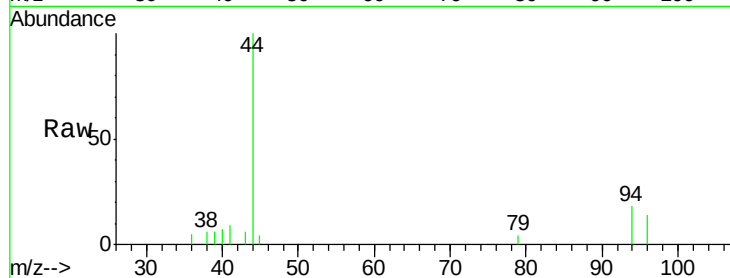
CPTB02-180703

Tot Ion: 94 Resp: 809

Ion Ratio Lower Upper

94 100

96 75.4 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.63

500

400

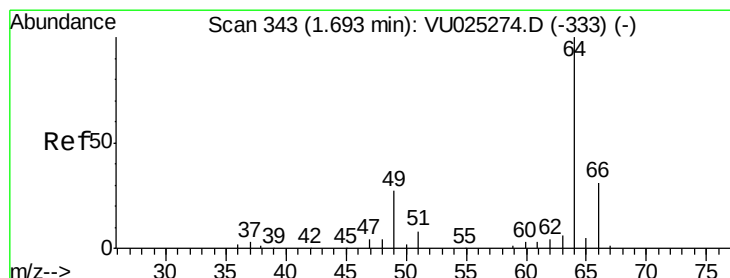
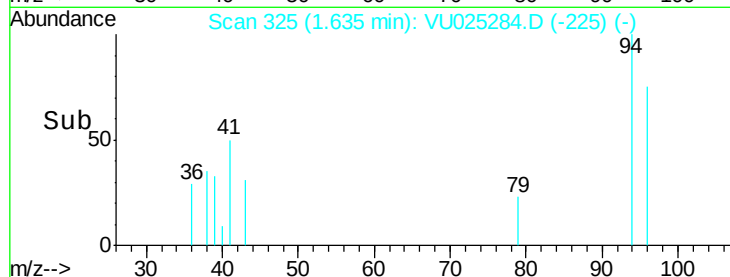
300

200

100

0

Time-->



#6

Chloroethane

Concen: 0.30 ug/l

RT: 1.66 min Scan# 333

Delta R.T. -0.03 min

Lab File: VU025284.D

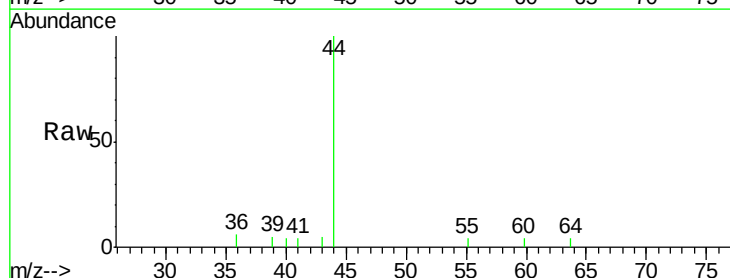
Acq: 10 Jul 2018 13:13

Tgt Ion: 64 Resp: 20

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.4#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.66

120

100

80

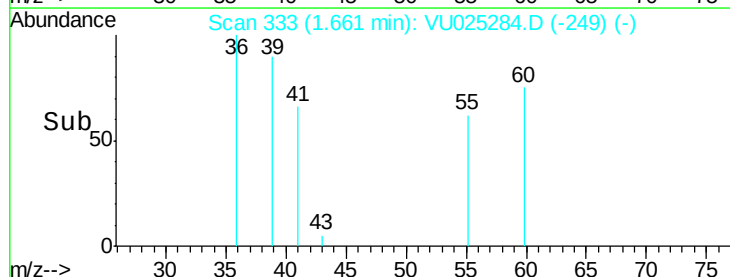
60

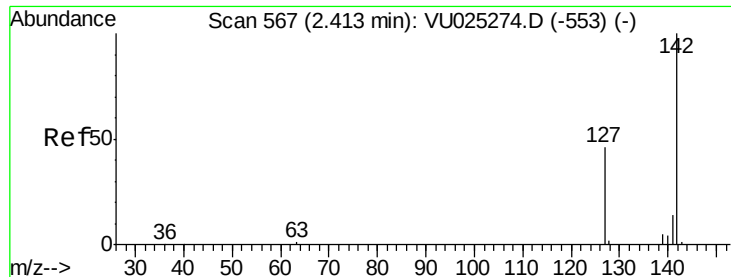
40

20

0

Time-->

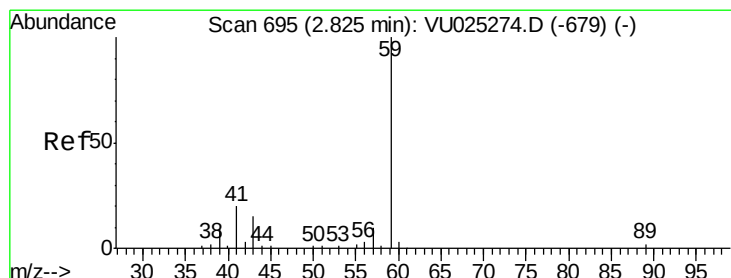
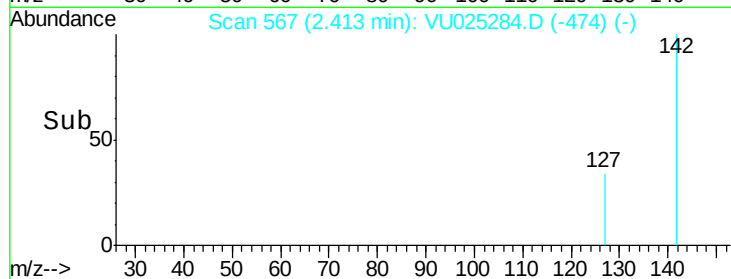
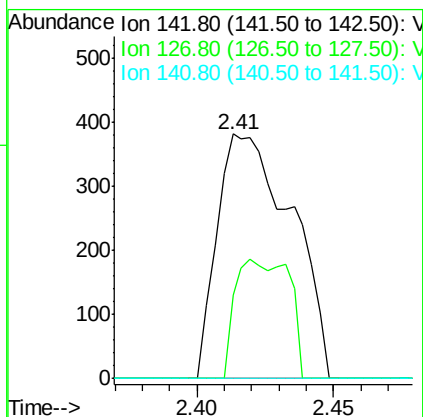
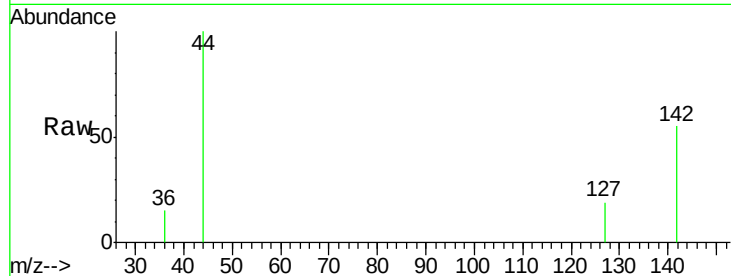




#10
Methvl Iodide
Concen: 7.94 ug/l
RT: 2.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VU025284.D
Acq: 10 Jul 2018 13:13

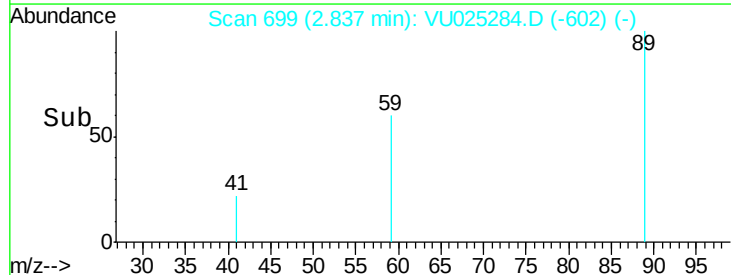
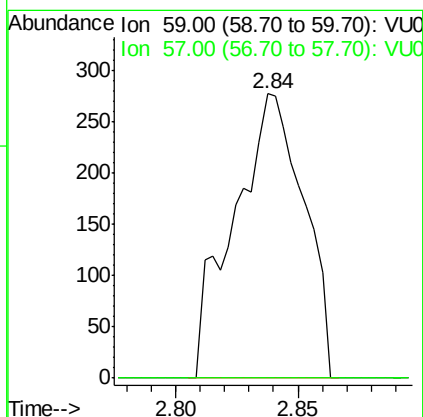
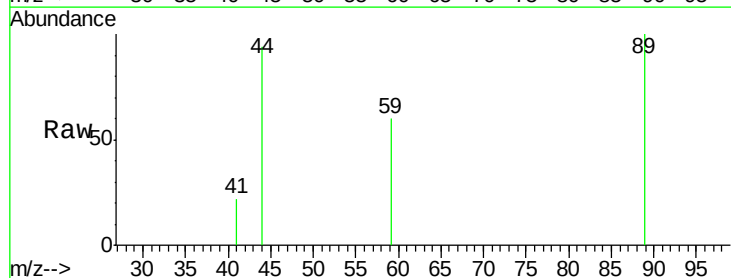
Instrument :
MSVOA_U
ClientSampleId :
CPTB02-180703

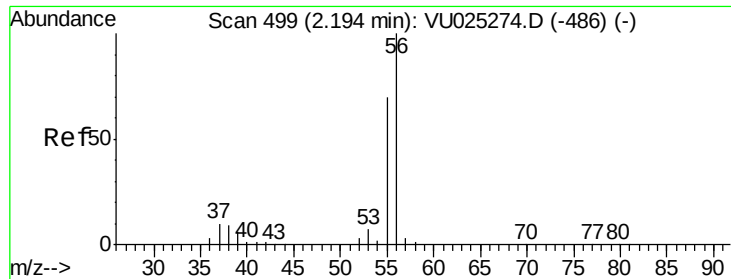
Tot Ion:142 Resp: 722
Ion Ratio Lower Upper
142 100
127 35.3 36.5 54.7#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.76 ug/l
RT: 2.84 min Scan# 699
Delta R.T. 0.01 min
Lab File: VU025284.D
Acq: 10 Jul 2018 13:13

Tgt Ion: 59 Resp: 547
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.54 ug/l

RT: 2.21 min Scan# 503

Delta R.T. 0.01 min

Lab File: VU025284.D

Acq: 10 Jul 2018 13:13

Instrument :

MSVOA_U

ClientSampleId :

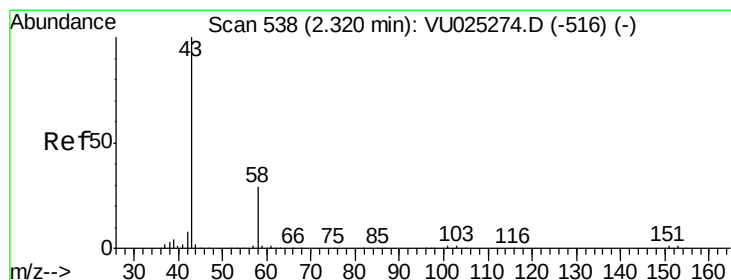
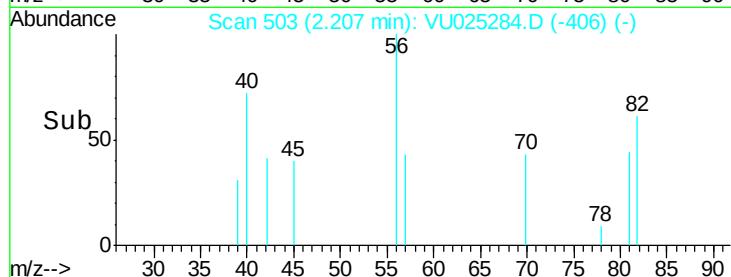
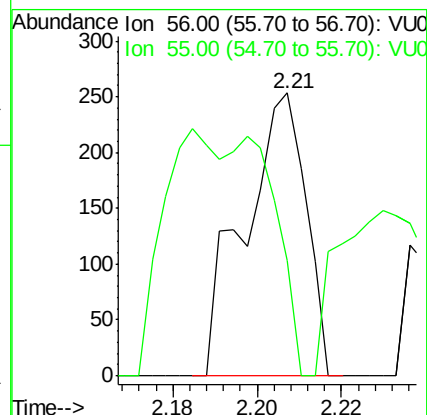
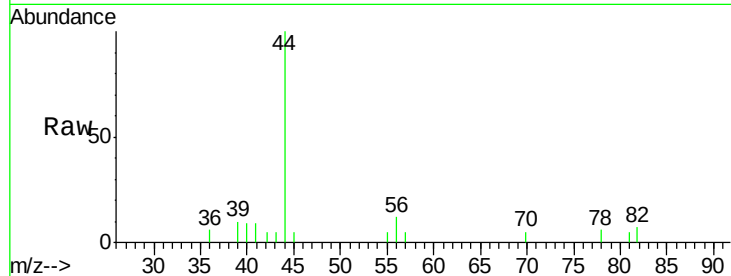
CPTB02-180703

Tot Ion: 56 Resp: 256

Ion Ratio Lower Upper

56 100

55 0.0 57.2 85.8#



#16

Acetone

Concen: 7.86 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025284.D

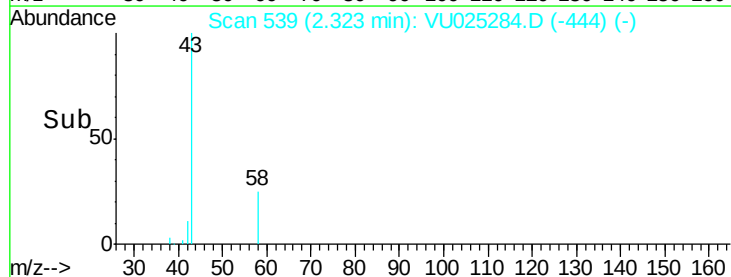
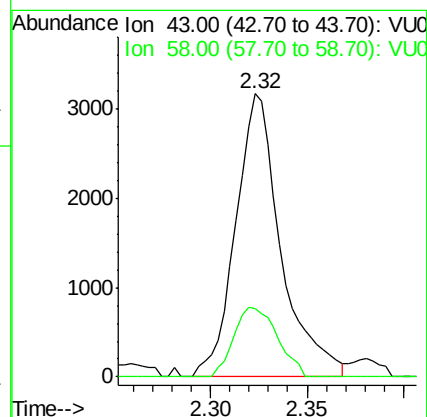
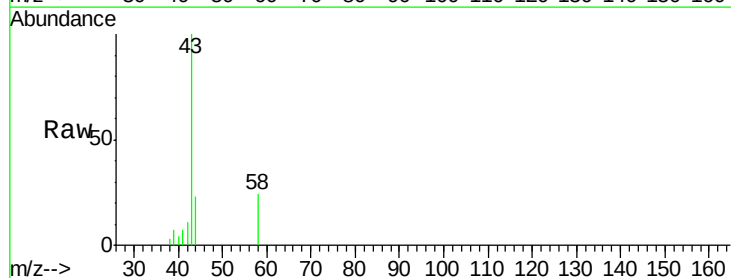
Acq: 10 Jul 2018 13:13

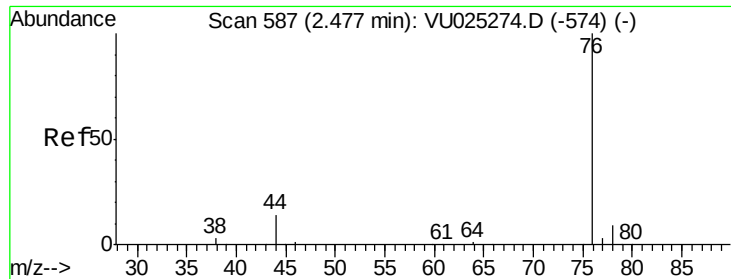
Tgt Ion: 43 Resp: 5149

Ion Ratio Lower Upper

43 100

58 24.1 23.1 34.7





#17

Carbon Disulfide

Concen: 2.07 ug/l

RT: 2.48 min Scan# 589

Delta R.T. 0.01 min

Lab File: VU025284.D

Acq: 10 Jul 2018 13:13

Instrument :

MSVOA_U

ClientSampleId :

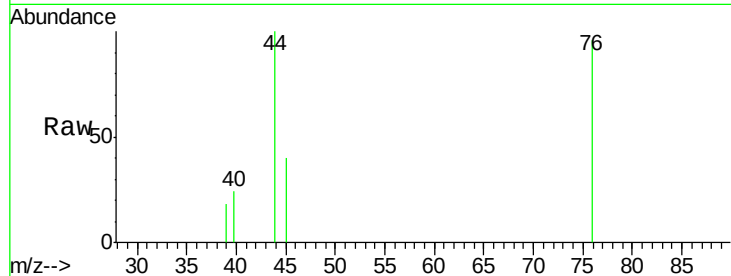
CPTB02-180703

Tot Ion: 76 Resp: 923

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

2.48

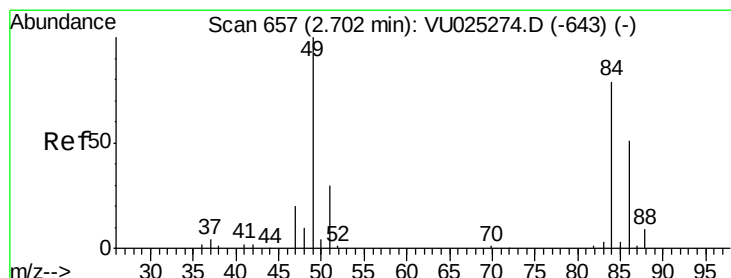
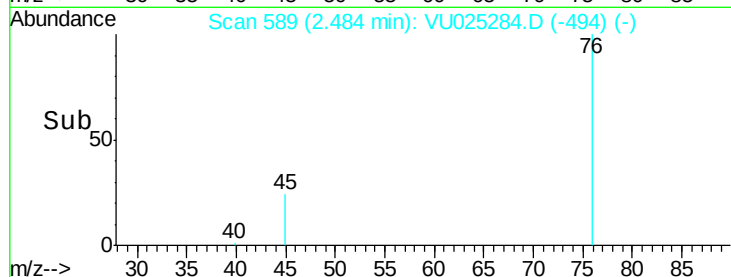
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 0.99 ug/l

RT: 2.71 min Scan# 659

Delta R.T. 0.01 min

Lab File: VU025284.D

Acq: 10 Jul 2018 13:13

Tgt Ion: 84 Resp: 762

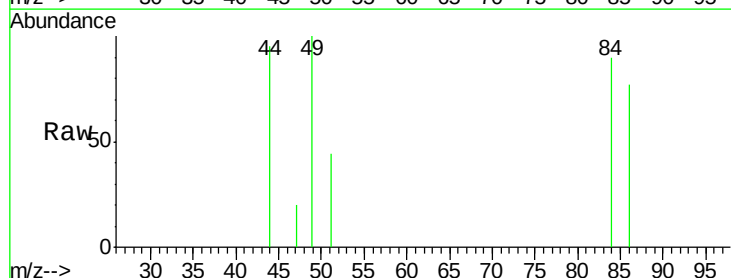
Ion Ratio Lower Upper

84 100

49 111.2 101.8 152.6

51 48.7 30.8 46.2#

86 86.1 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

800

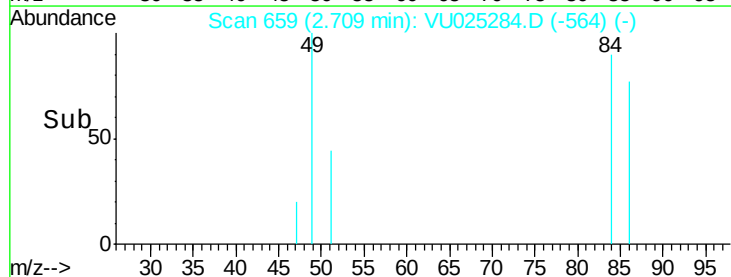
600

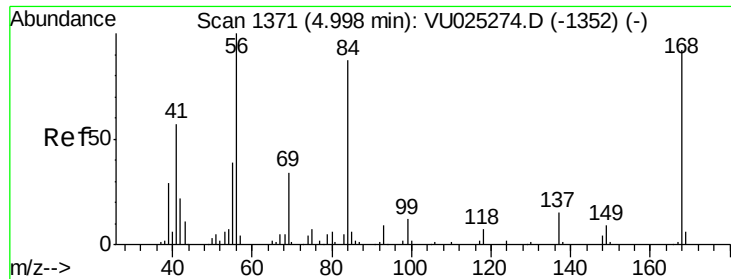
400

200

0

Time-->

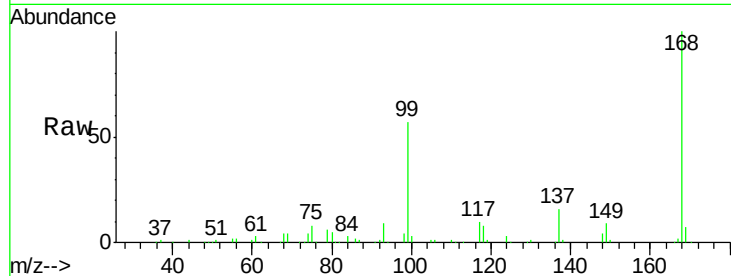




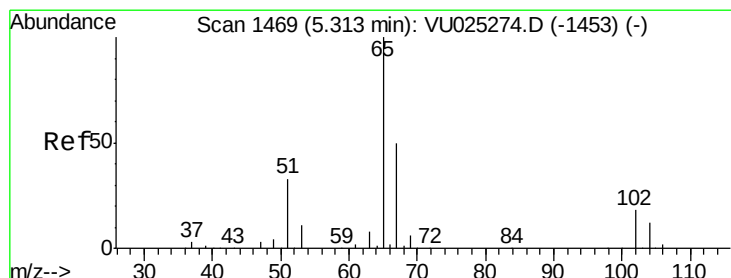
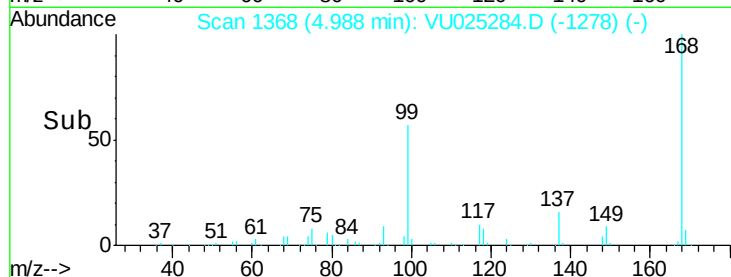
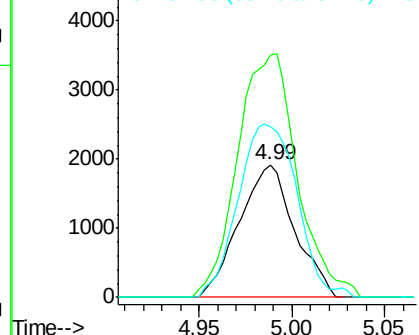
#31
Cyclohexane
Concen: 1.68 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU025284.D
Acq: 10 Jul 2018 13:13

Instrument :
MSVOA_U
ClientSampleId :
CPTB02-180703

Tot Ion: 56 Resp: 3971
Ion Ratio Lower Upper
56 100
69 182.7 26.8 40.2#
84 129.4 69.7 104.5#

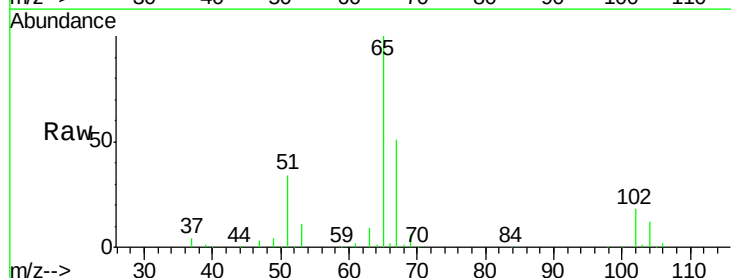


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

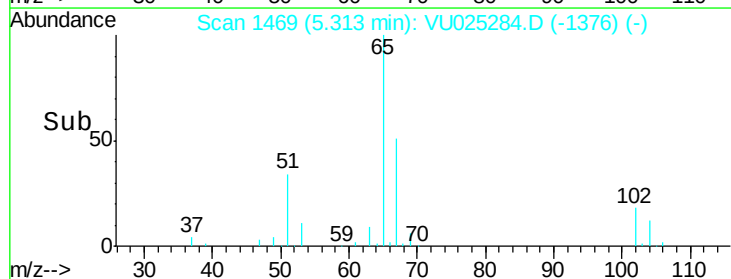
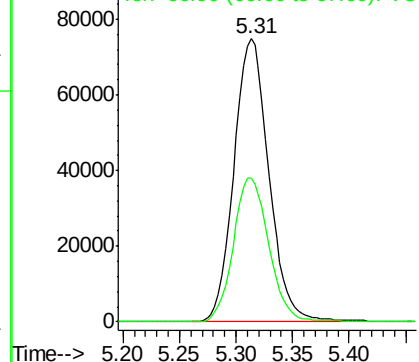


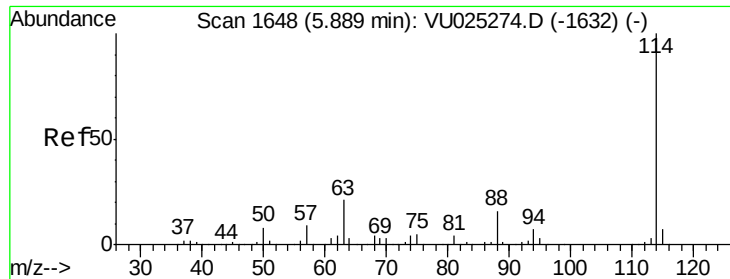
#33
1,2-Dichloroethane-d4
Concen: 48.81 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU025284.D
Acq: 10 Jul 2018 13:13

Tgt Ion: 65 Resp: 161196
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

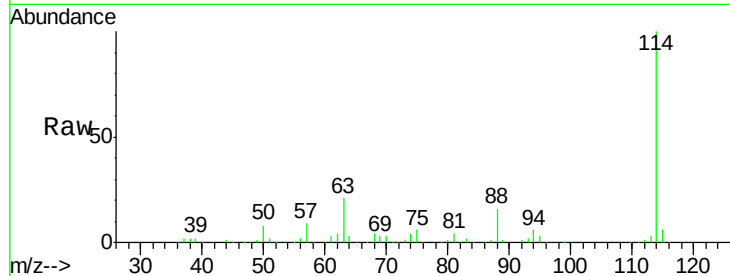




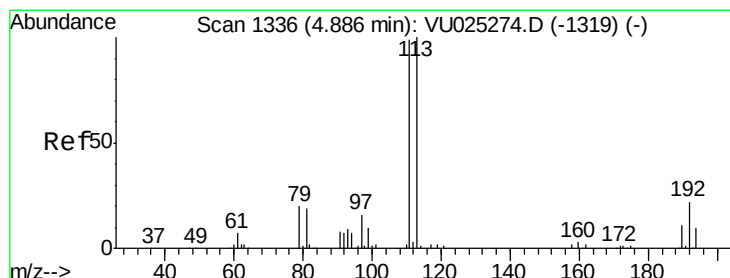
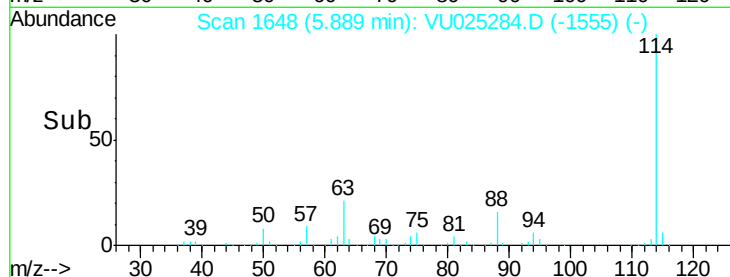
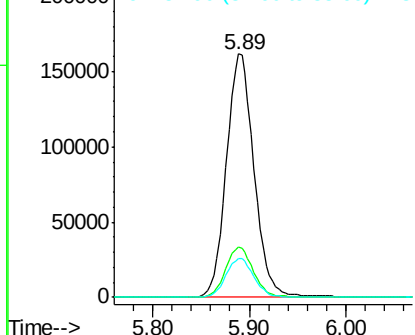
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025284.D
 Acq: 10 Jul 2018 13:13

Instrument :
 MSVOA_U
 ClientSampleId :
 CPTB02-180703

Tot Ion:114 Resp: 321530
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.6
 88 15.7 0.0 32.4

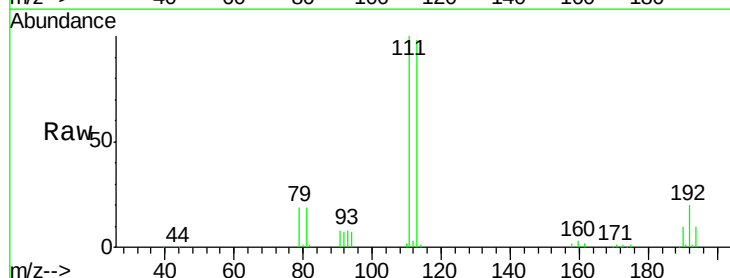


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

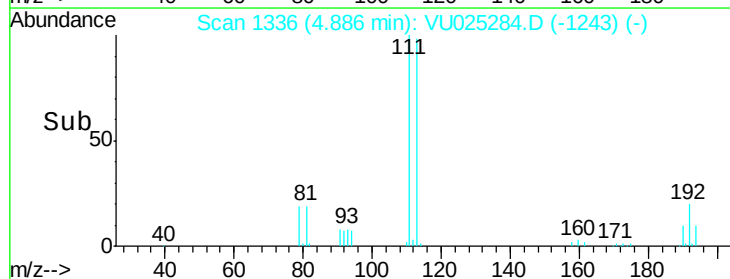
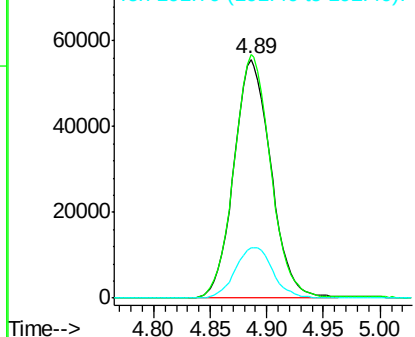


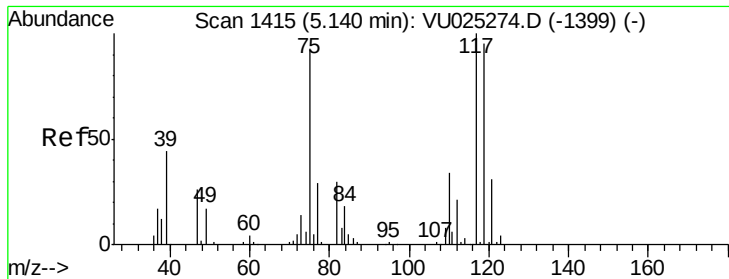
#35
 Dibromofluoromethane
 Concen: 46.75 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025284.D
 Acq: 10 Jul 2018 13:13

Tgt Ion:113 Resp: 126795
 Ion Ratio Lower Upper
 113 100
 111 100.8 81.7 122.5
 192 21.5 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

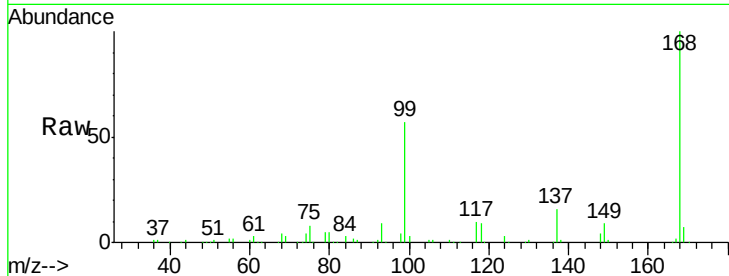




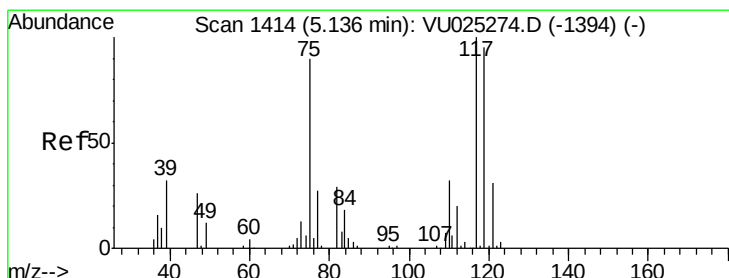
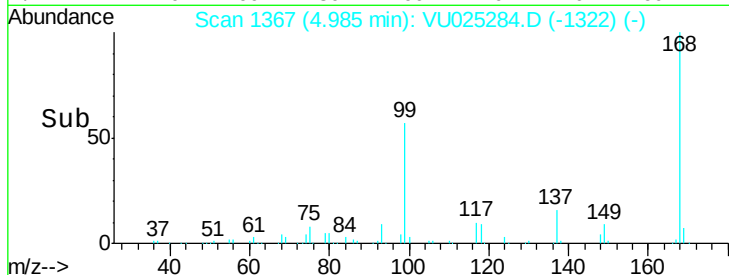
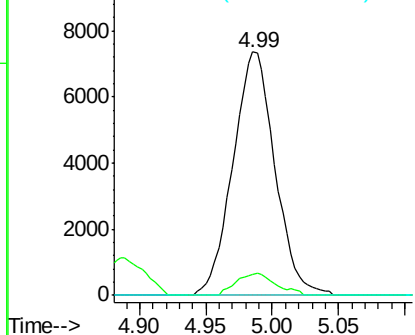
#36
 1,1-Dichloropropene
 Concen: 4.54 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU025284.D
 Acq: 10 Jul 2018 13:13

Instrument :
 MSVOA_U
 ClientSampleId :
 CPTB02-180703

Tot Ion: 75 Resp: 16246
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.6 52.9#
 77 0.0 24.4 36.6#

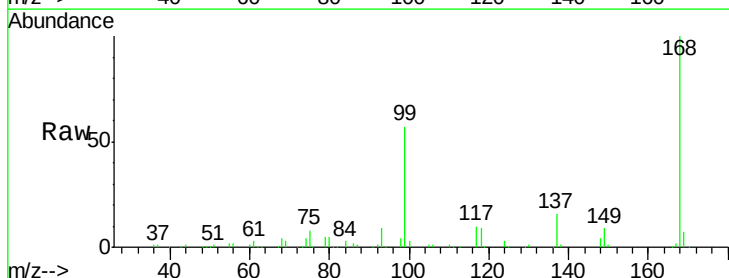


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

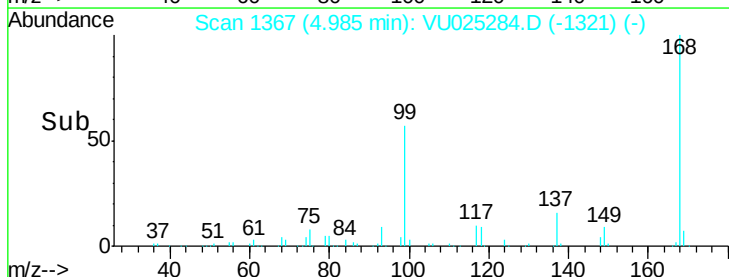
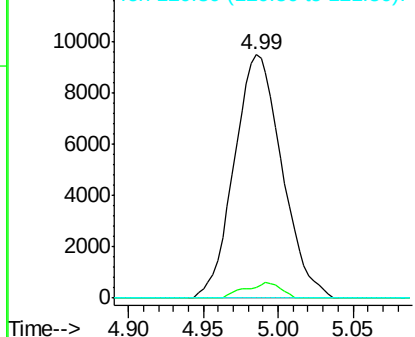


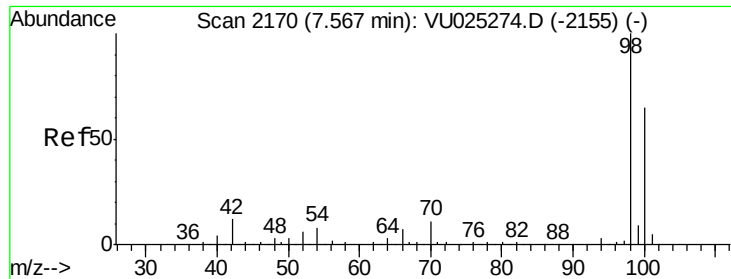
#38
 Carbon Tetrachloride
 Concen: 5.47 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU025284.D
 Acq: 10 Jul 2018 13:13

Tgt Ion: 117 Resp: 21044
 Ion Ratio Lower Upper
 117 100
 119 4.3 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: 49.53 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025284.D

Acq: 10 Jul 2018 13:13

Instrument :

MSVOA_U

ClientSampleId :

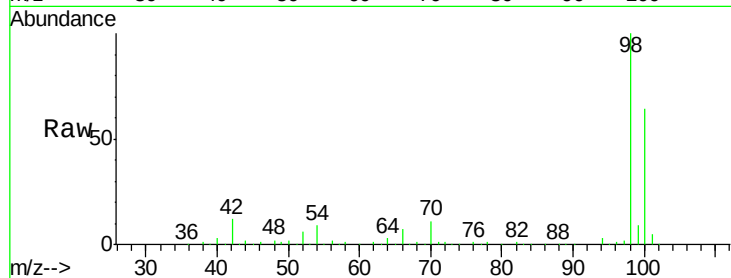
CPTB02-180703

Tot Ion: 98 Resp: 460055

Ion Ratio Lower Upper

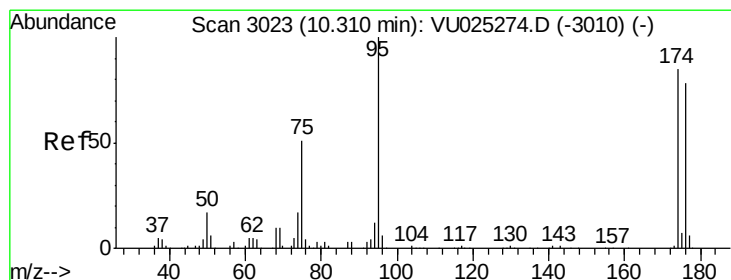
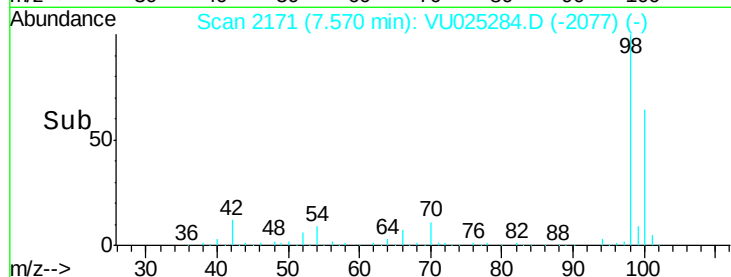
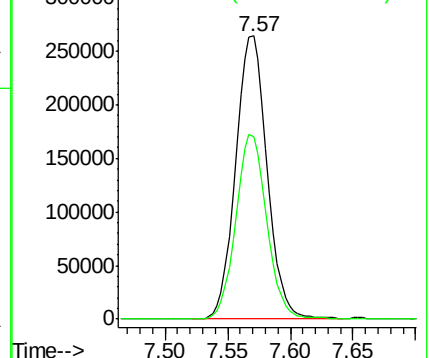
98 100

100 64.6 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: 45.55 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025284.D

Acq: 10 Jul 2018 13:13

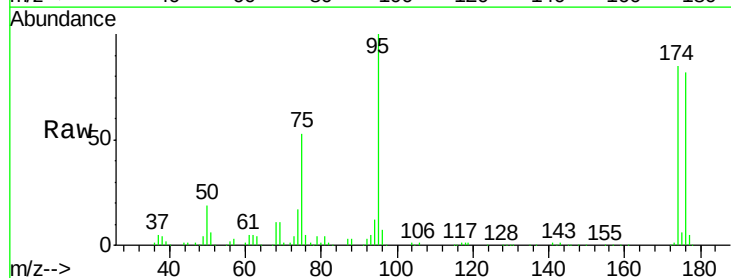
Tgt Ion: 95 Resp: 170343

Ion Ratio Lower Upper

95 100

174 84.5 0.0 172.2

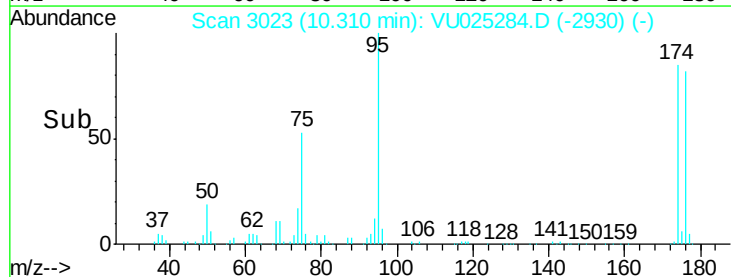
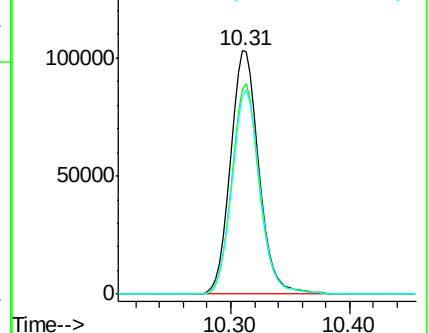
176 83.2 0.0 162.6

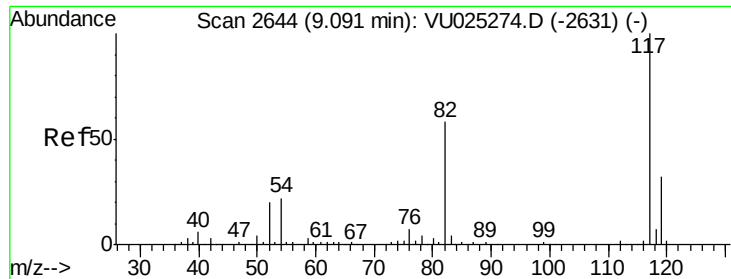


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

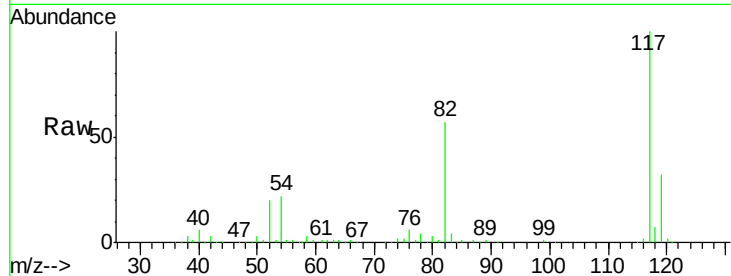




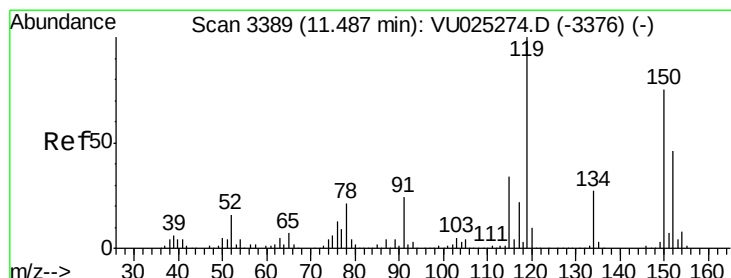
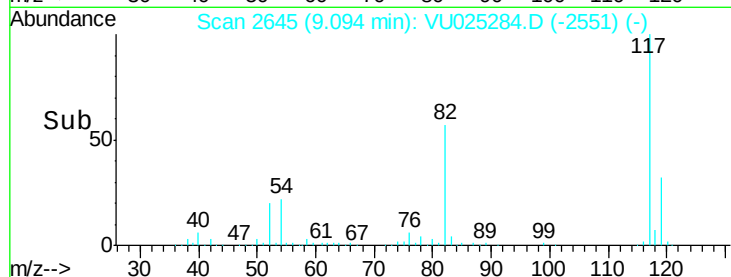
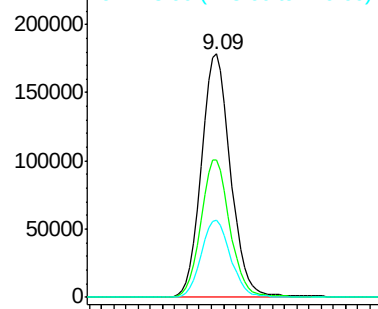
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025284.D
Acq: 10 Jul 2018 13:13

Instrument :
MSVOA_U
ClientSampleId :
CPTB02-180703

Tot Ion:117 Resp: 298688
Ion Ratio Lower Upper
117 100
82 56.6 46.0 69.0
119 31.7 26.0 39.0

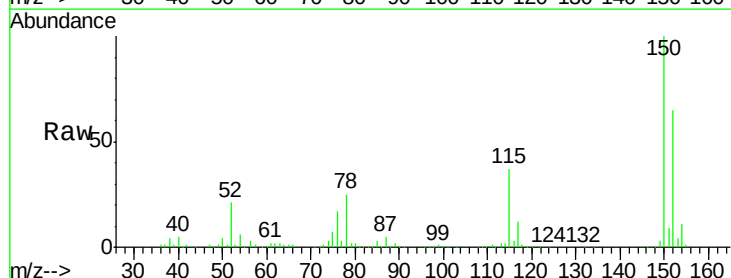


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

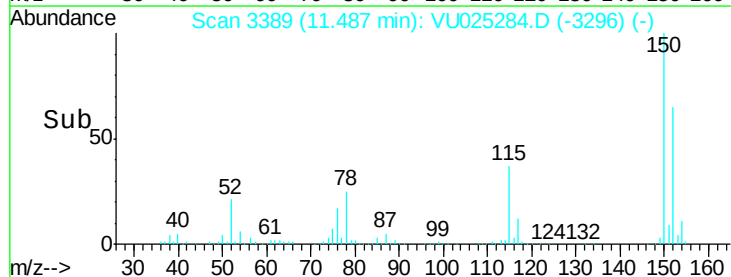
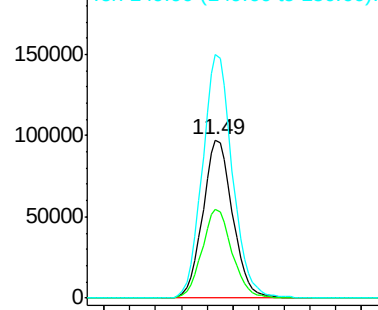


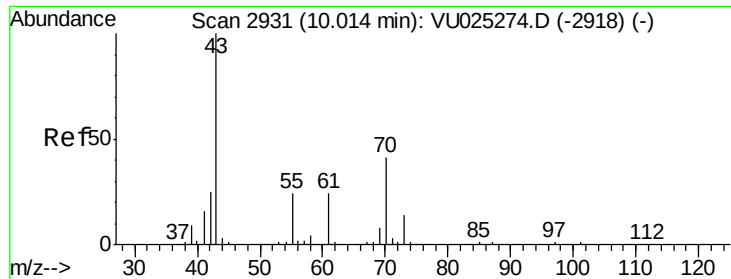
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU025284.D
Acq: 10 Jul 2018 13:13

Tgt Ion:152 Resp: 156556
Ion Ratio Lower Upper
152 100
115 56.5 40.1 120.3
150 154.1 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-amvl acetate

Concen: 1.31 ug/l

RT: 10.03 min Scan# 2935

Delta R.T. 0.01 min

Lab File: VU025284.D

Acq: 10 Jul 2018 13:13

Instrument :

MSVOA_U

ClientSampleId :

CPTB02-180703

Tot Ion: 43 Resp: 202

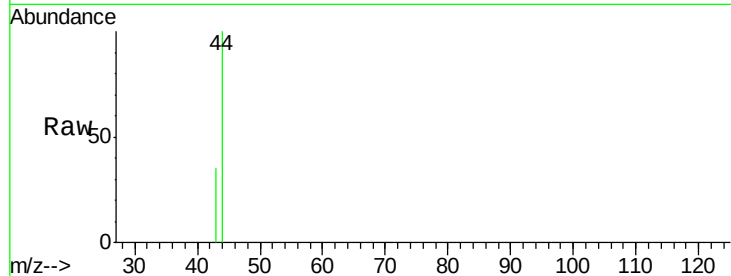
Ion Ratio Lower Upper

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

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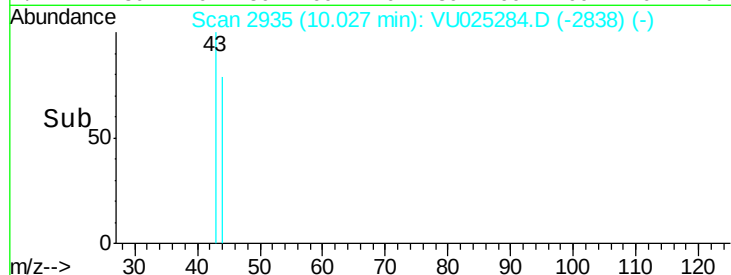
10.03

10.03

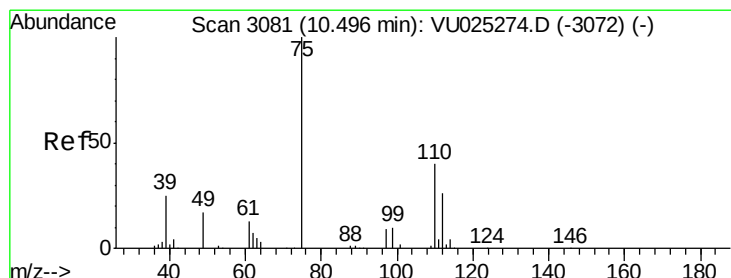
10.03

10.03

10.03



Time-->



#76

1,2,3-Trichloropropane

Concen: 28.04 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025284.D

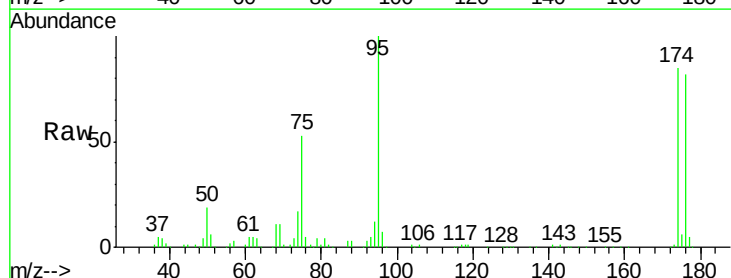
Acq: 10 Jul 2018 13:13

Tgt Ion: 75 Resp: 89363

Ion Ratio Lower Upper

75 100

77 1.1 20.4 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

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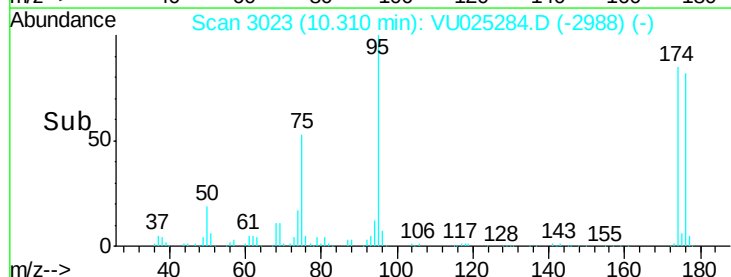
10.31

10.31

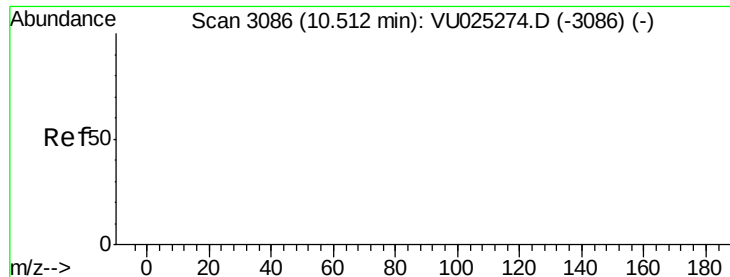
10.31

10.31

10.31



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 71.65 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025284.D

Acq: 10 Jul 2018 13:13

Instrument :

MSVOA_U

ClientSampleId :

CPTB02-180703

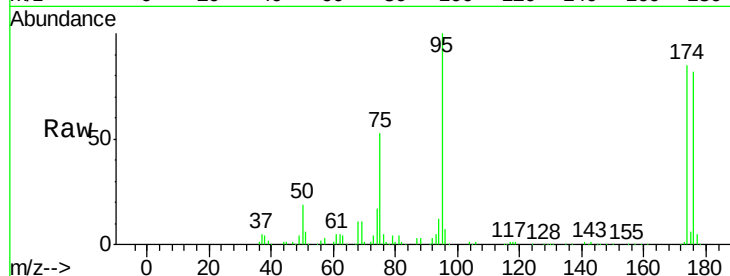
Tot Ion: 75 Resp: 89363

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

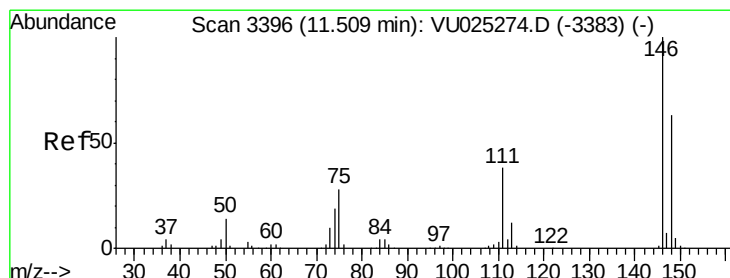
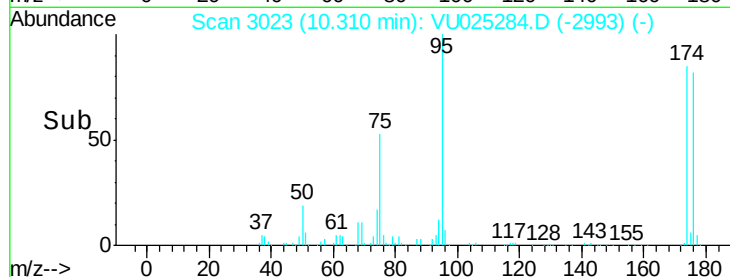
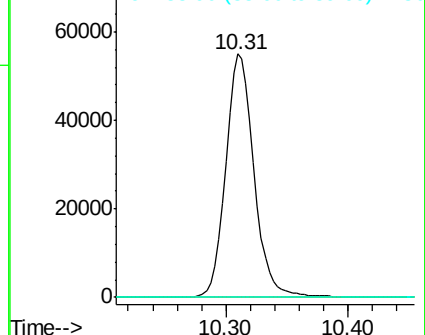
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU025274.D (-3086) (-)

Ion 53.00 (52.70 to 53.70): VU025274.D (-3086) (-)

Ion 88.90 (88.60 to 89.60): VU025274.D (-3086) (-)



#88

1,4-Dichlorobenzene

Concen: 1.55 ug/l

RT: 11.43 min Scan# 3372

Delta R.T. -0.08 min

Lab File: VU025284.D

Acq: 10 Jul 2018 13:13

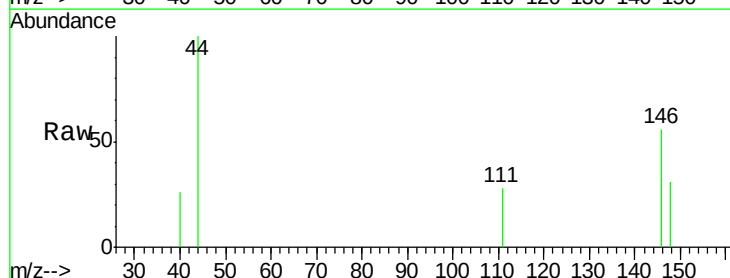
Tgt Ion: 146 Resp: 345

Ion Ratio Lower Upper

146 100

111 22.6 19.4 58.1

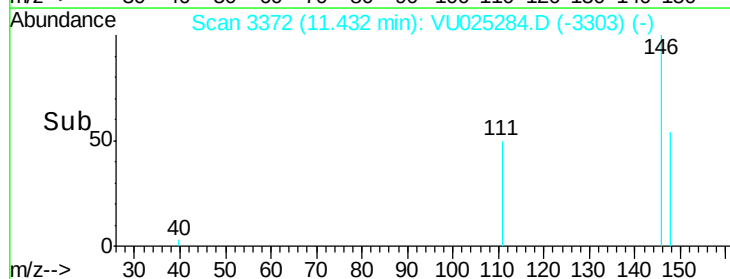
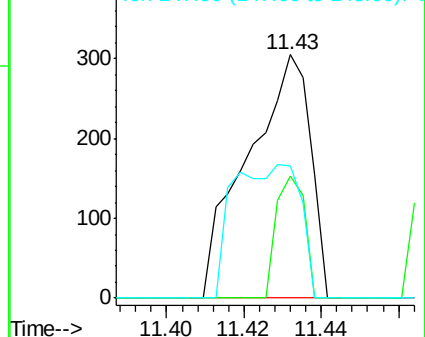
148 58.6 31.7 95.1

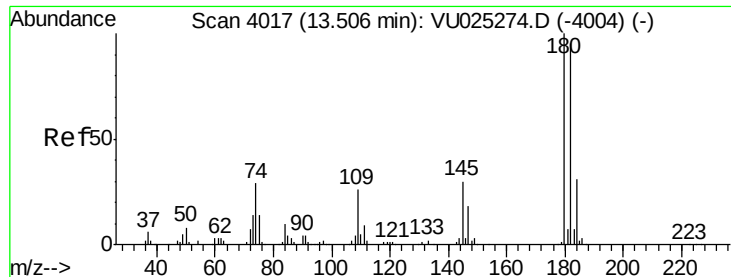


Abundance Ion 145.90 (145.60 to 146.60): VU025274.D (-3383) (-)

Ion 110.90 (110.60 to 111.60): VU025274.D (-3383) (-)

Ion 147.90 (147.60 to 148.60): VU025274.D (-3383) (-)

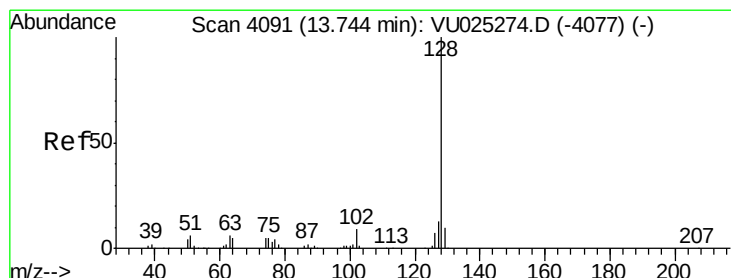
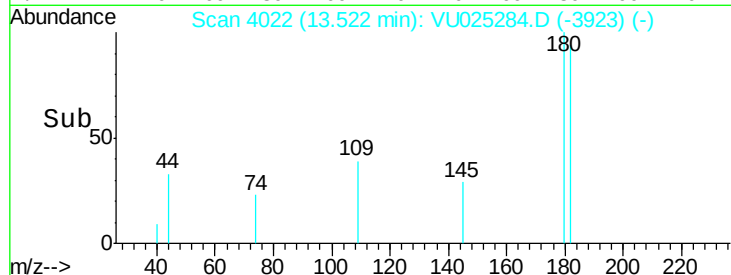
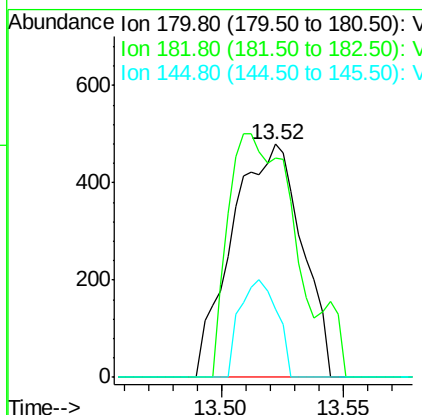
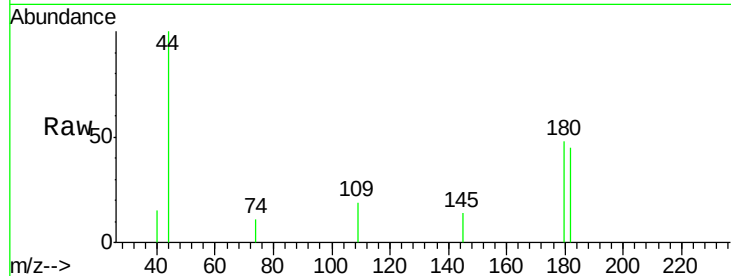




#93
 1,2,4-Trichlorobenzene
 Concen: 3.52 ug/l
 RT: 13.52 min Scan# 4022
 Delta R.T. 0.02 min
 Lab File: VU025284.D
 Acq: 10 Jul 2018 13:13

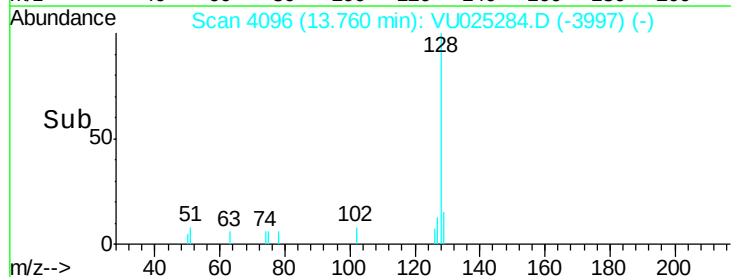
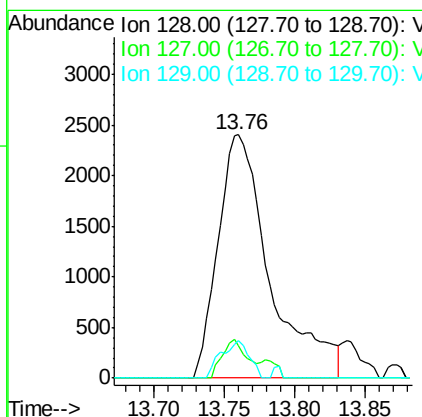
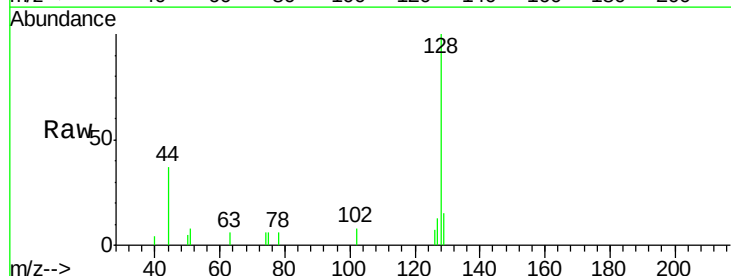
Instrument :
 MSVOA_U
 ClientSampleId :
 CPTB02-180703

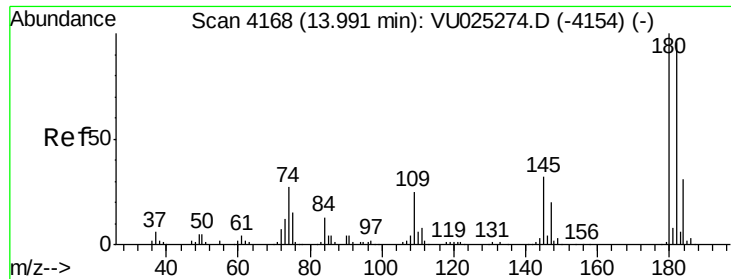
Tot Ion:180 Resp: 951
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.3 141.9
 145 22.2 14.9 44.7



#95
 Naphthalene
 Concen: 2.92 ug/l
 RT: 13.76 min Scan# 4096
 Delta R.T. 0.02 min
 Lab File: VU025284.D
 Acq: 10 Jul 2018 13:13

Tgt Ion:128 Resp: 6167
 Ion Ratio Lower Upper
 128 100
 127 7.5 10.5 15.7#
 129 8.2 8.3 12.5#

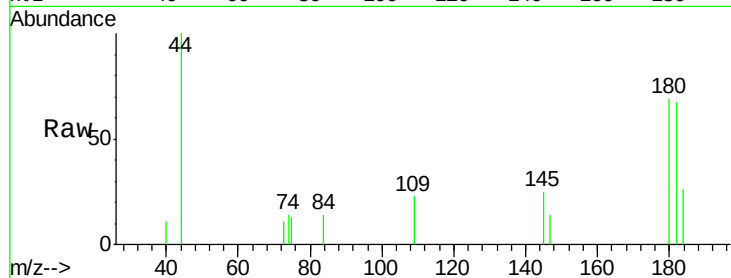




#96
 1,2,3-Trichlorobenzene
 Concen: 2.83 ug/l
 RT: 14.00 min Scan# 4170
 Delta R.T. 0.01 min
 Lab File: VU025284.D
 Acq: 10 Jul 2018 13:13

Instrument :
 MSVOA_U
 ClientSampleId :
 CPTB02-180703

Tot Ion:180 Resp: 1229
 Ion Ratio Lower Upper
 180 100
 182 100.2 47.8 143.3
 145 22.4 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

