

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092218\
 Data File : VU026996.D
 Acq On : 22 Sep 2018 04:58
 Operator : MD/SY
 Sample : J4958-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-TB02-20180914

Quant Time: Sep 22 05:24:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	73825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	145789	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	147376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	70305	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	87173	58.67	ug/l	0.00
Spiked Amount			Recovery	=	117.34%	
35) Dibromofluoromethane	4.88	113	65023	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
50) Toluene-d8	7.57	98	227937	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
62) 4-Bromofluorobenzene	10.31	95	78553	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	

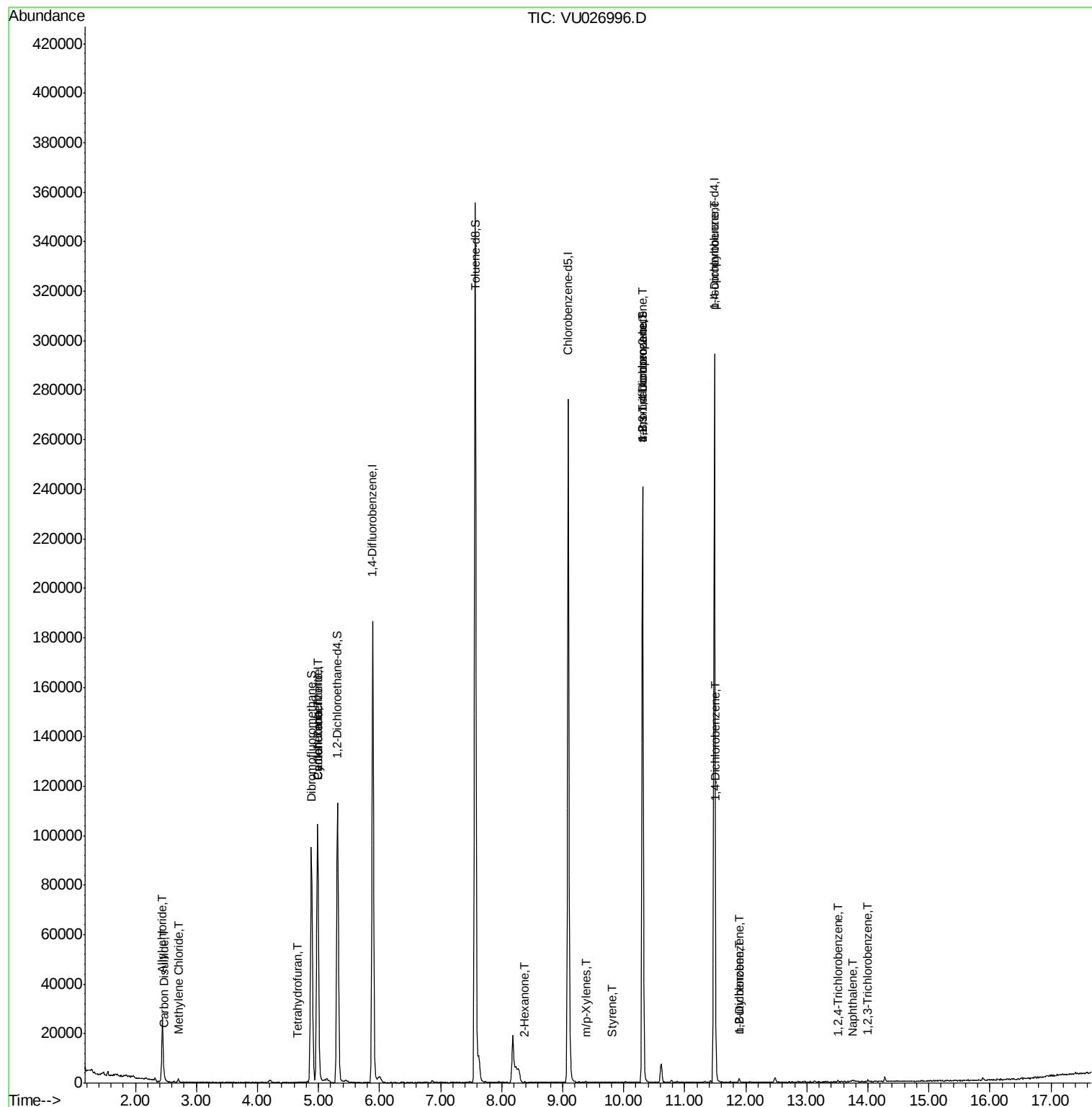
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	2.44	41	2532	1.224	ug/l #	68
16) Acetone	2.32	43	1707	Below Cal		96
17) Carbon Disulfide	2.48	76	953	0.287	ug/l #	75
20) Methylene Chloride	2.71	84	548	0.412	ug/l	97
29) Tetrahydrofuran	4.67	42	192	0.254	ug/l #	37
31) Cyclohexane	4.99	56	1961	0.314	ug/l #	1
38) Carbon Tetrachloride	4.99	117	7532	4.068	ug/l #	18
59) 2-Hexanone	8.38	43	461	0.228	ug/l #	32
68) m/p-Xylenes	9.38	106	217	1.583	ug/l	80
70) Styrene	9.81	104	93	1.831	ug/l #	24
76) 1,2,3-Trichloropropane	10.31	75	43817	20.515	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	43817	65.652	ug/l #	100
86) p-Isopropyltoluene	11.48	119	386	1.003	ug/l #	28
88) 1,4-Dichlorobenzene	11.51	146	853	0.322	ug/l #	61
89) n-Butylbenzene	11.89	91	531	2.497	ug/l	87
91) 1,2-Dichlorobenzene	11.89	146	524	0.203	ug/l	73
93) 1,2,4-Trichlorobenzene	13.51	180	351	0.236	ug/l #	84
95) Naphthalene	13.75	128	1125	1.876	ug/l #	69
96) 1,2,3-Trichlorobenzene	13.99	180	367	0.230	ug/l #	88

(#) = 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# 1186

Delta R.T. 0.00 min

Lab File: VU026996.D

Acq: 22 Sep 2018 04:58

Instrument :

MSVOA_U

ClientSampleId :

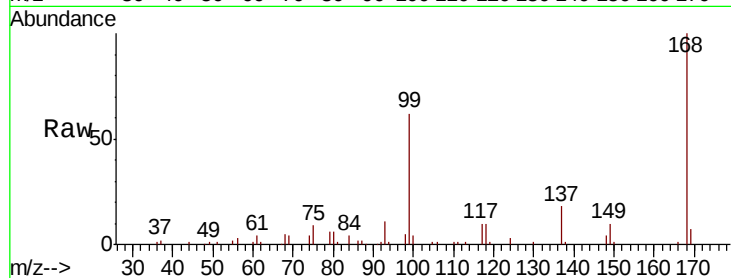
BP-TT-TB02-20180914

Tgt Ion:168 Resp: 73825

Ion Ratio Lower Upper

168 100

99 62.4 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026996.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026996.D (-1169) (-)

4.99

30000

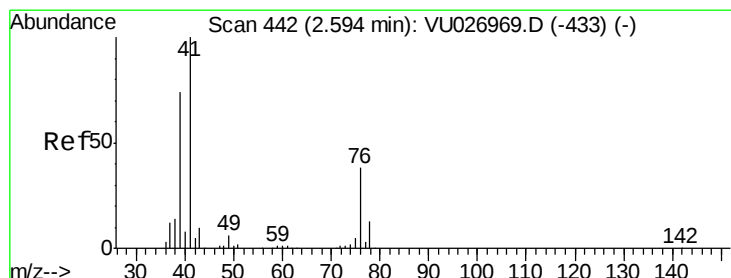
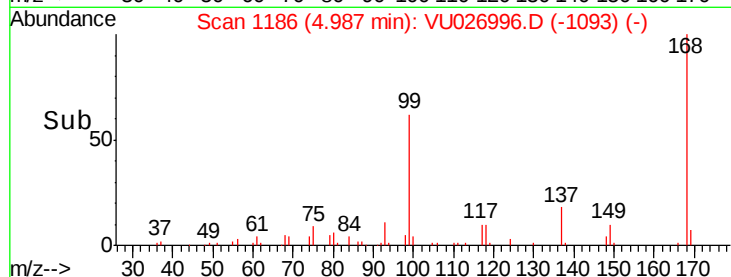
20000

10000

0

4.90 5.00 5.10

Time-->



#14

Allyl chloride

Concen: 1.224 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.15 min

Lab File: VU026996.D

Acq: 22 Sep 2018 04:58

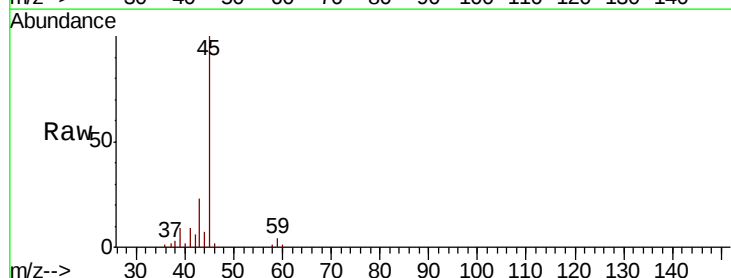
Tgt Ion: 41 Resp: 2532

Ion Ratio Lower Upper

41 100

39 85.9 55.7 83.5#

76 0.0 26.5 39.7#



Abundance Ion 41.00 (40.70 to 41.70): VU026996.D (-349) (-)

Ion 39.00 (38.70 to 39.70): VU026996.D (-349) (-)

Ion 75.90 (75.60 to 76.60): VU026996.D (-349) (-)

2.44

1500

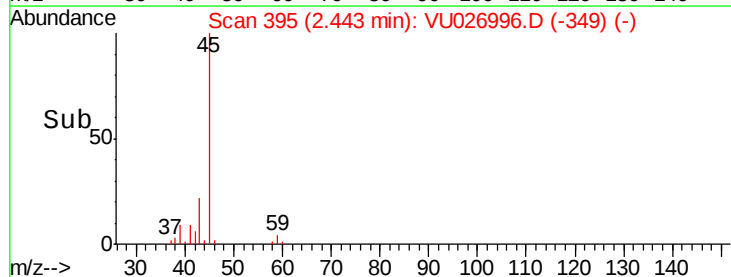
1000

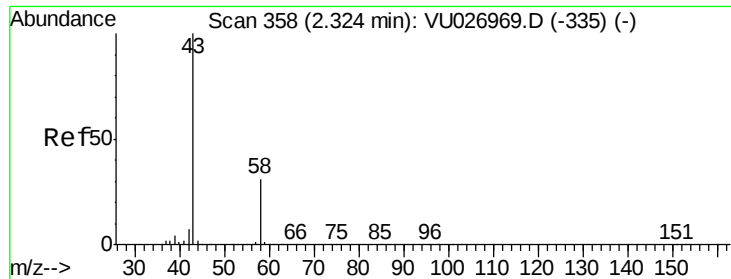
500

0

2.40 2.45 2.50

Time-->





#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026996.D

Acq: 22 Sep 2018 04:58

Instrument :

MSVOA_U

ClientSampleId :

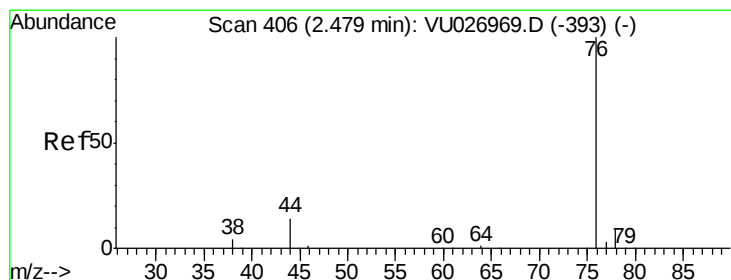
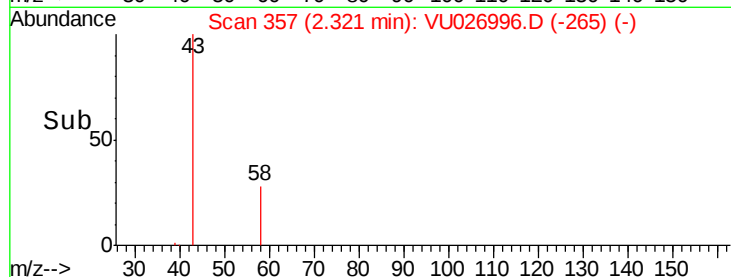
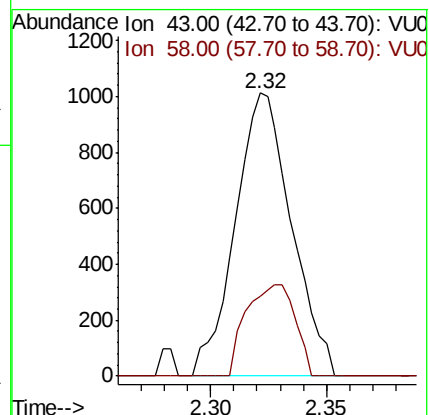
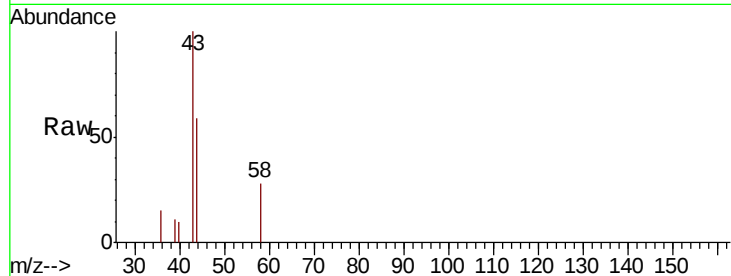
BP-TT-TB02-20180914

Tgt Ion: 43 Resp: 1707

Ion Ratio Lower Upper

43 100

58 28.4 24.6 36.8



#17

Carbon Disulfide

Concen: 0.287 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU026996.D

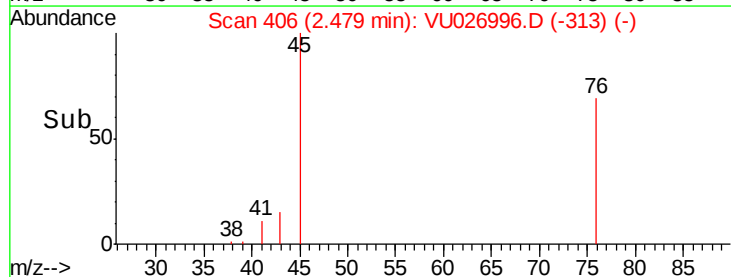
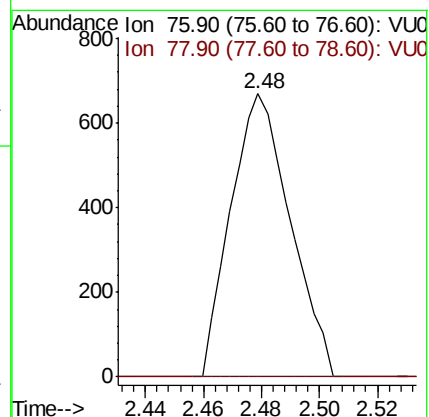
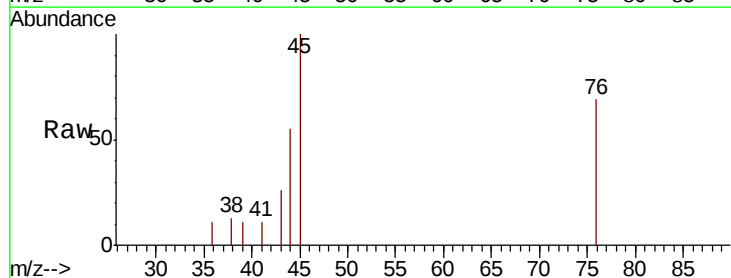
Acq: 22 Sep 2018 04:58

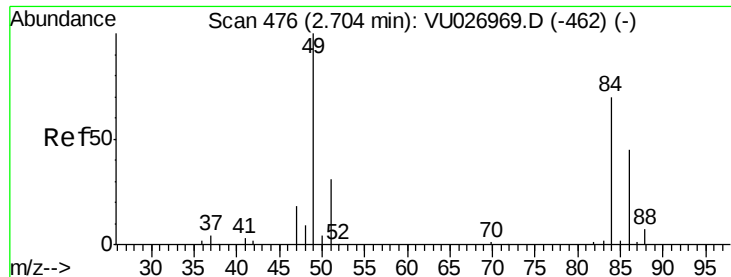
Tgt Ion: 76 Resp: 953

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

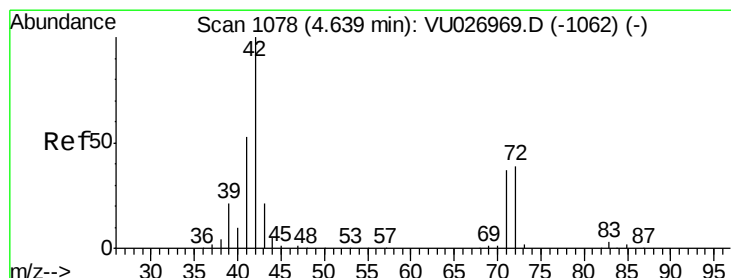
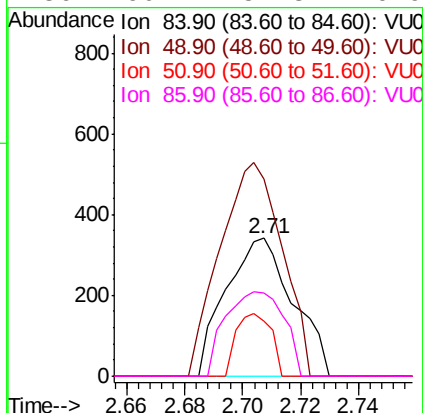
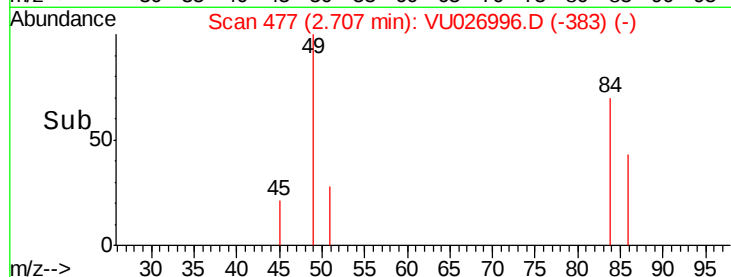
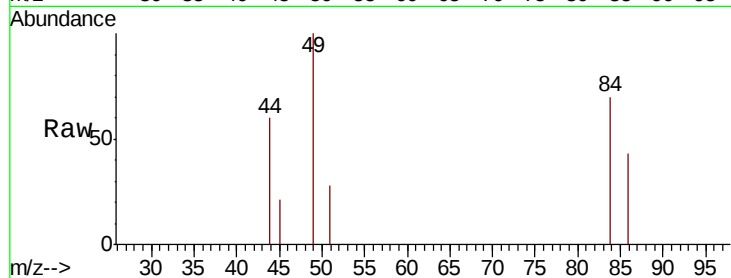




#20
Methylene Chloride
Concen: 0.412 ug/l
RT: 2.71 min Scan# 477
Delta R.T. 0.00 min
Lab File: VU026996.D
Acq: 22 Sep 2018 04:58

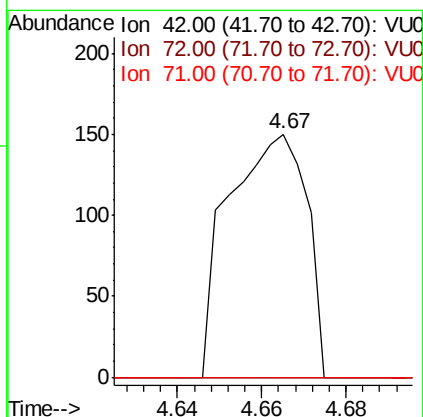
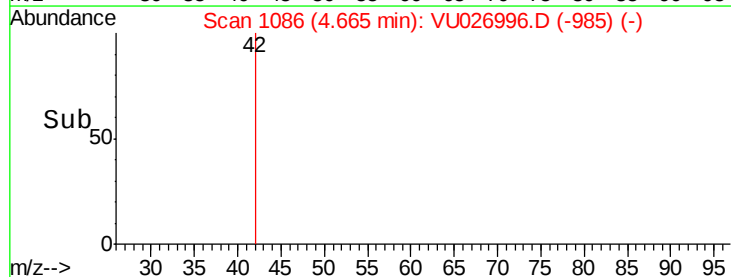
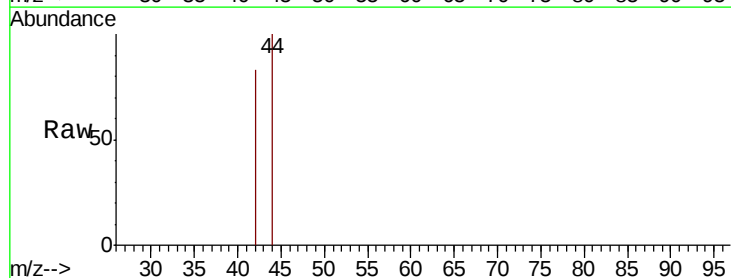
Instrument :
MSVOA_U
ClientSampleId :
BP-TT-TB02-20180914

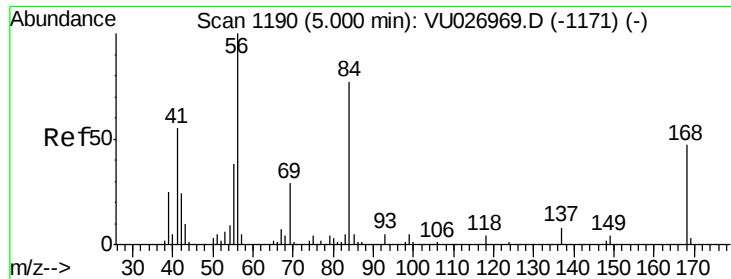
Tgt Ion:	84	Resp:	548
Ion	Ratio	Lower	Upper
84	100		
49	142.8	114.9	172.3
51	39.6	35.8	53.8
86	60.7	51.3	76.9



#29
Tetrahydrofuran
Concen: 0.254 ug/l
RT: 4.67 min Scan# 1086
Delta R.T. 0.03 min
Lab File: VU026996.D
Acq: 22 Sep 2018 04:58

Tgt Ion:	42	Resp:	192
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.7	47.5#
71	0.0	29.6	44.4#

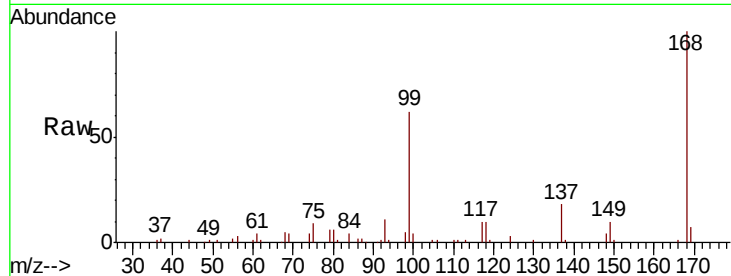




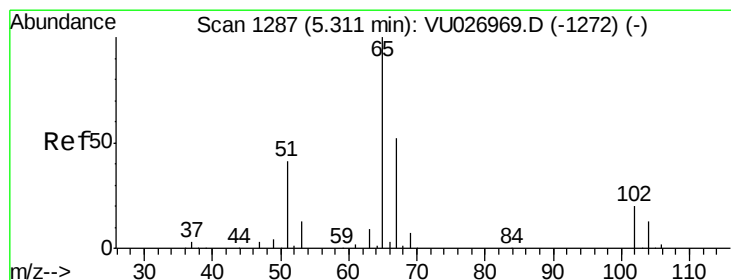
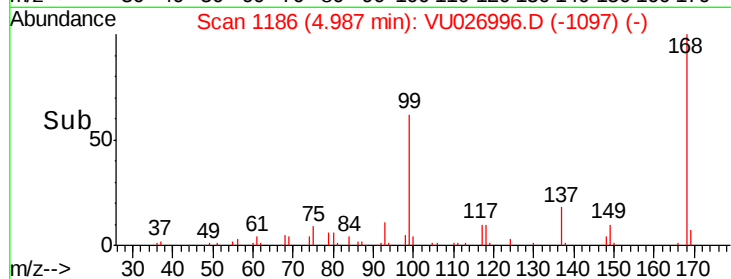
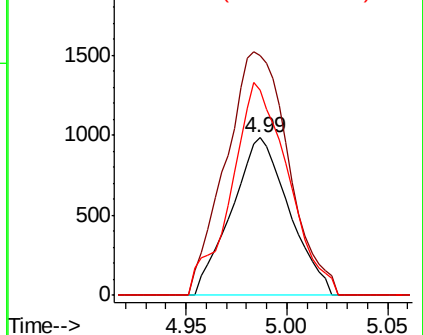
#31
Cyclohexane
Concen: 0.314 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU026996.D
Acq: 22 Sep 2018 04:58

Instrument :
MSVOA_U
ClientSampleId :
BP-TT-TB02-20180914

Tgt Ion: 56 Resp: 1961
Ion Ratio Lower Upper
56 100
69 152.0 23.0 34.4#
84 130.5 61.4 92.2#

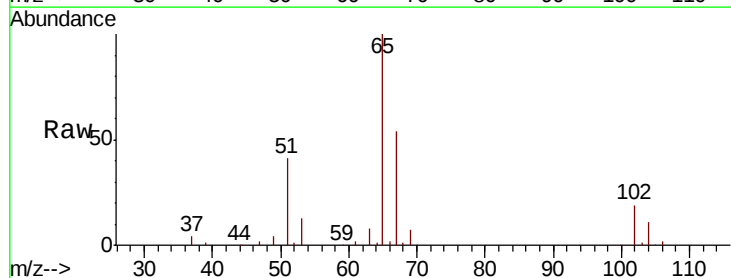


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

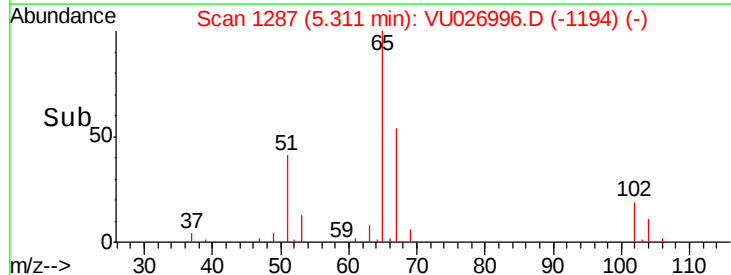
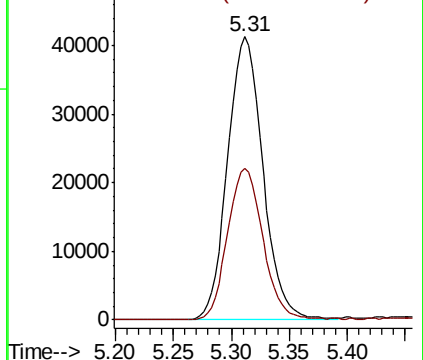


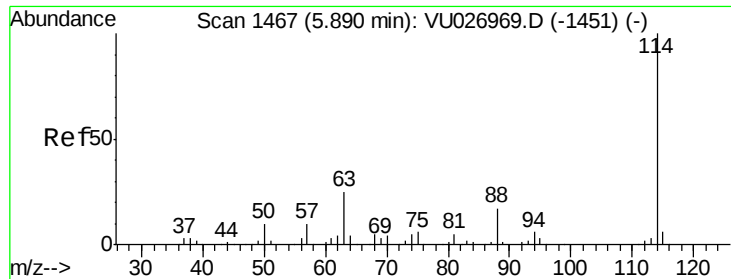
#33
1,2-Dichloroethane-d4
Concen: 58.669 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU026996.D
Acq: 22 Sep 2018 04:58

Tgt Ion: 65 Resp: 87173
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.6



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VU026996.D

Acq: 22 Sep 2018 04:58

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-TB02-20180914

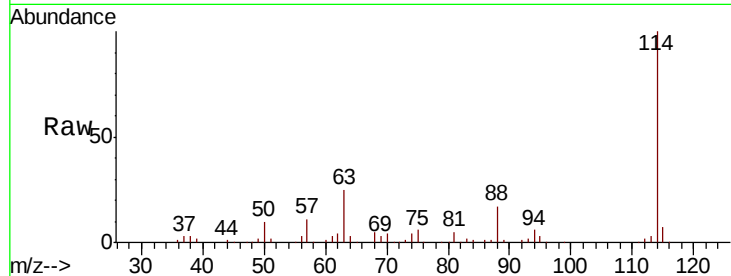
Tgt Ion:114 Resp: 145789

Ion Ratio Lower Upper

114 100

63 24.5 0.0 49.2

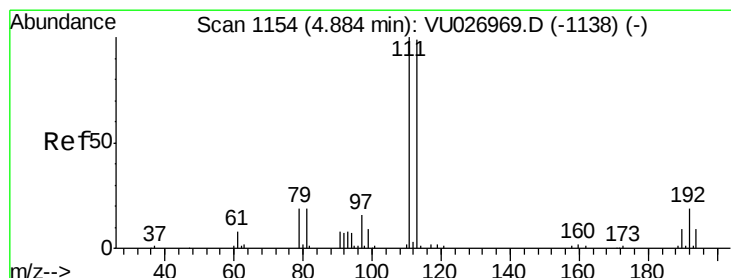
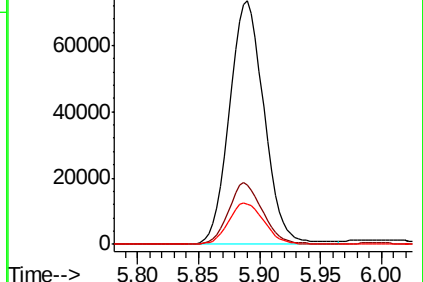
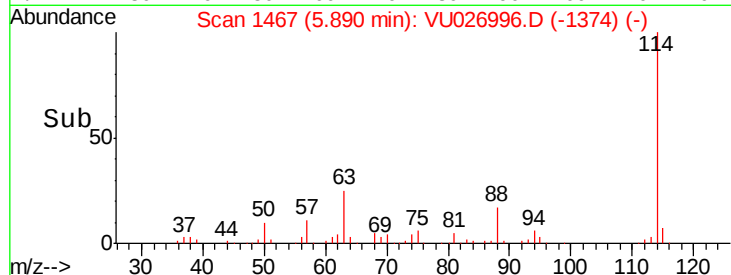
88 16.6 0.0 33.8



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: 51.454 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU026996.D

Acq: 22 Sep 2018 04:58

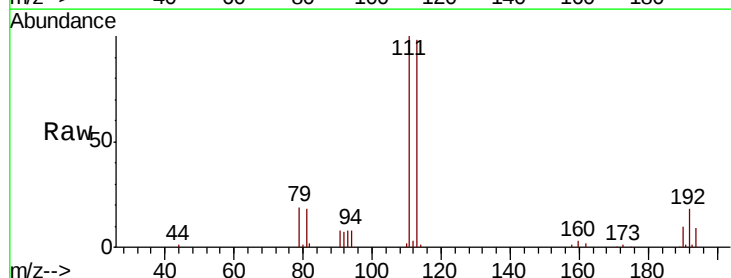
Tgt Ion:113 Resp: 65023

Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.4

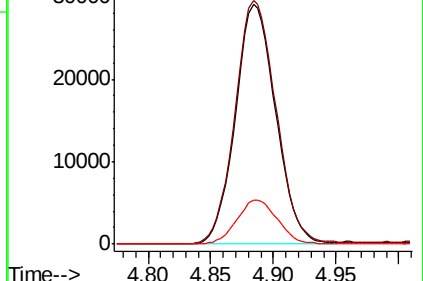
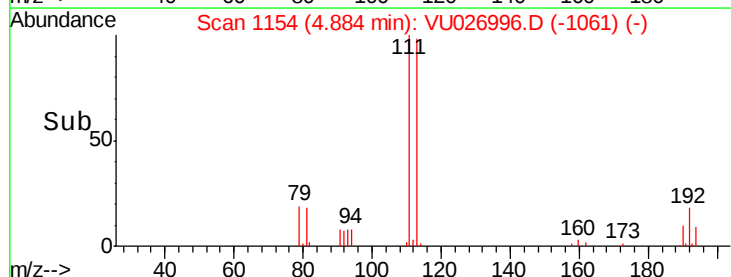
192 18.6 15.2 22.8

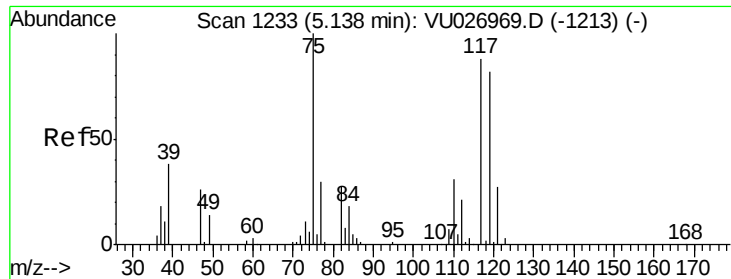


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

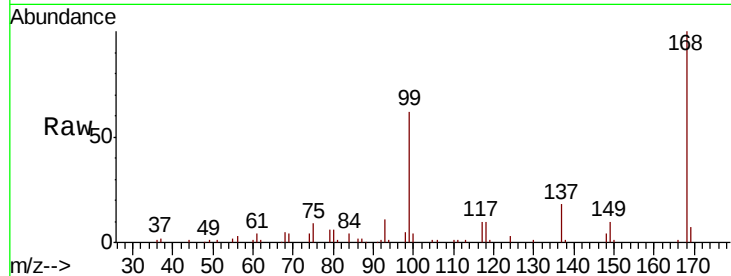




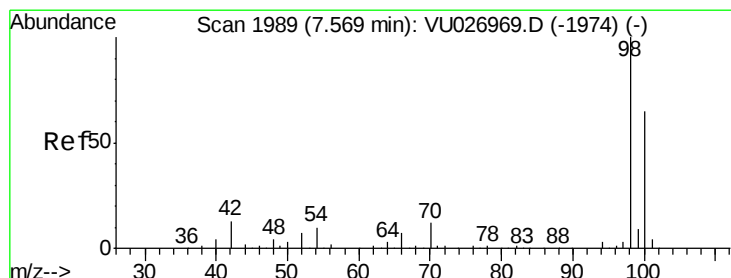
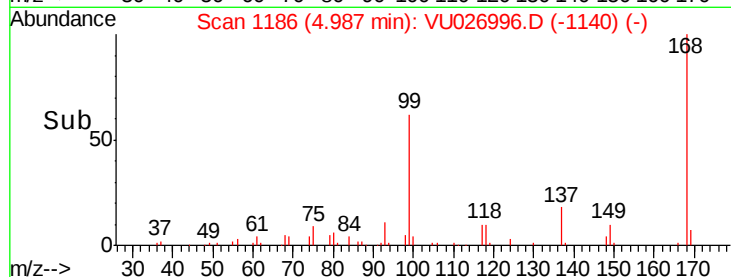
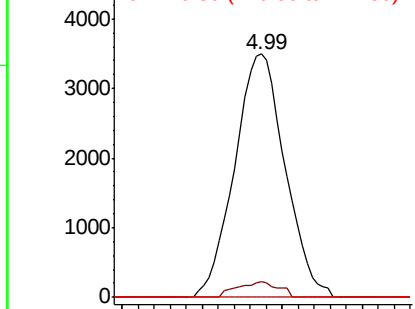
#38
Carbon Tetrachloride
Concen: 4.068 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU026996.D
Acq: 22 Sep 2018 04:58

Instrument :
MSVOA_U
ClientSampleId :
BP-TT-TB02-20180914

Tgt Ion:117 Resp: 7532
Ion Ratio Lower Upper
117 100
119 6.5 74.4 111.6#
121 0.0 24.2 36.4#

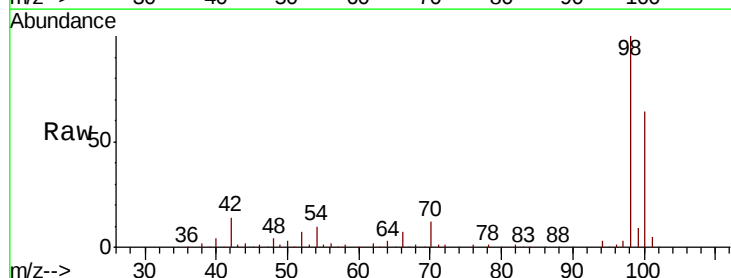


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

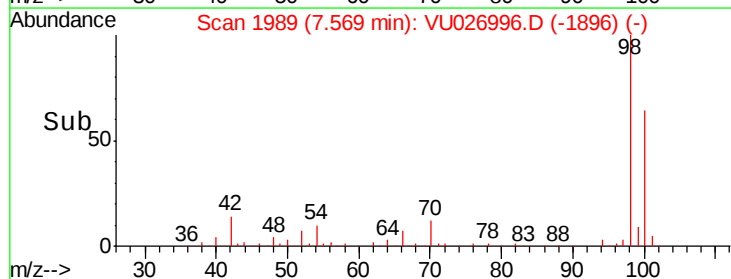
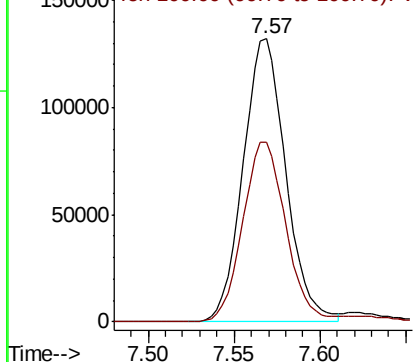


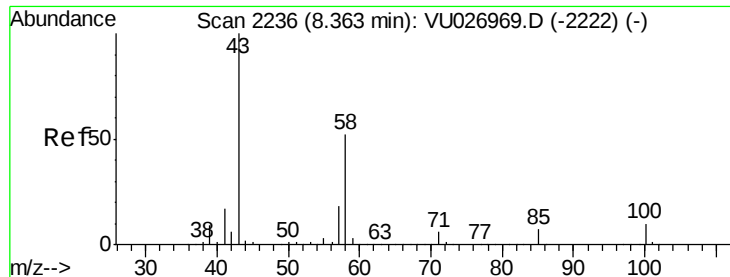
#50
Toluene-d8
Concen: 47.329 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU026996.D
Acq: 22 Sep 2018 04:58

Tgt Ion: 98 Resp: 227937
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU

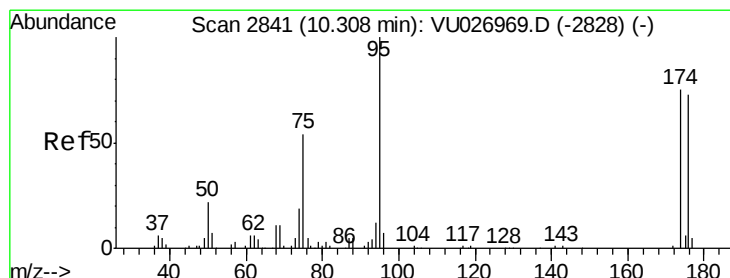
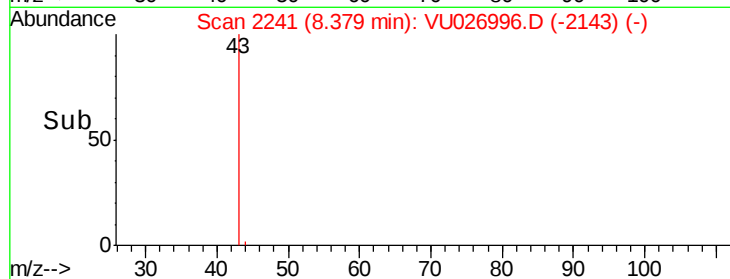
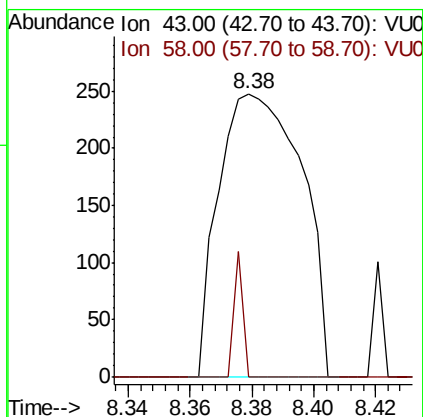
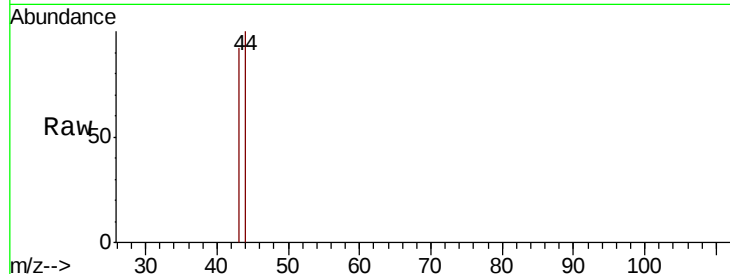




#59
2-Hexanone
Concen: 0.228 ug/l
RT: 8.38 min Scan# 2241
Delta R.T. 0.02 min
Lab File: VU026996.D
Acq: 22 Sep 2018 04:58

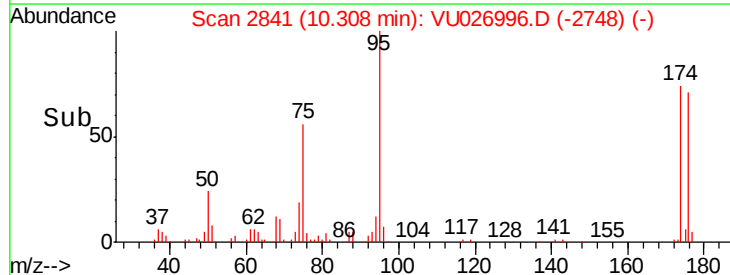
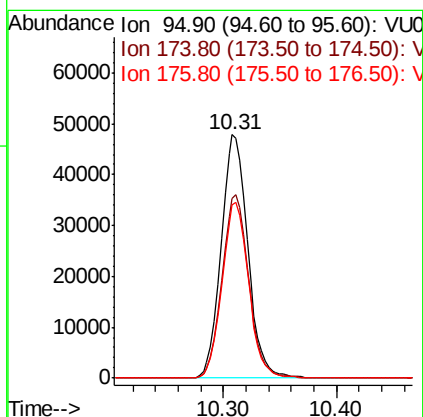
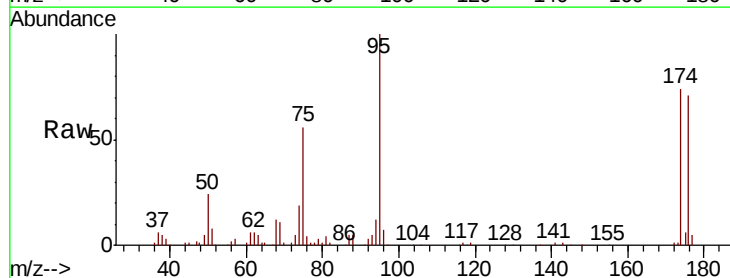
Instrument :
MSVOA_U
ClientSampleId :
BP-TT-TB02-20180914

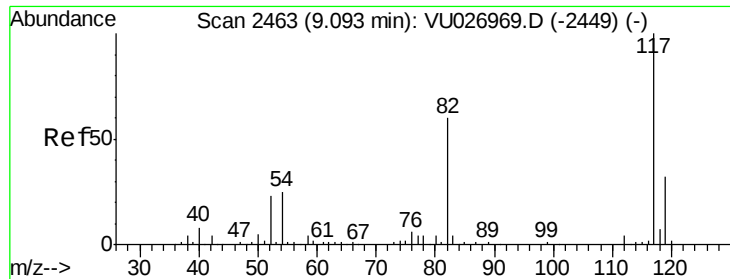
Tgt Ion: 43 Resp: 461
Ion Ratio Lower Upper
43 100
58 4.6 26.1 78.2#



#62
4-Bromofluorobenzene
Concen: 47.535 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU026996.D
Acq: 22 Sep 2018 04:58

Tgt Ion: 95 Resp: 78553
Ion Ratio Lower Upper
95 100
174 75.6 0.0 150.2
176 72.0 0.0 145.2

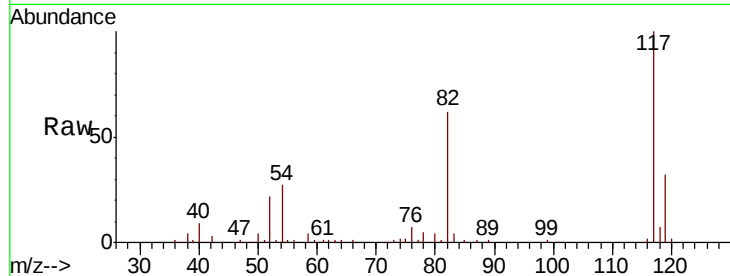




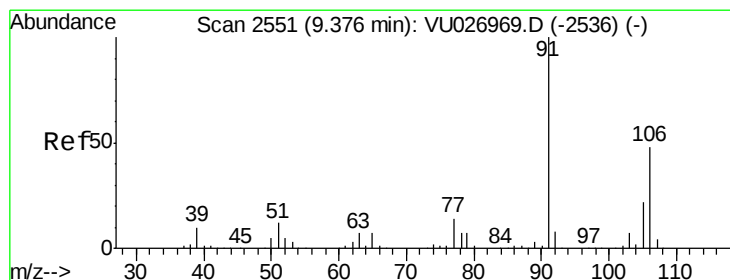
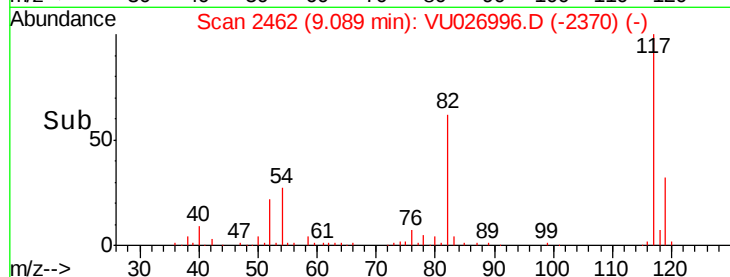
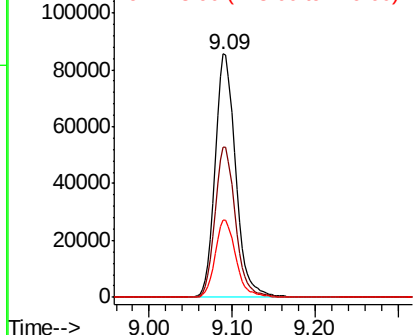
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU026996.D
Acq: 22 Sep 2018 04:58

Instrument :
MSVOA_U
ClientSampleId :
BP-TT-TB02-20180914

Tgt Ion:117 Resp: 147376
Ion Ratio Lower Upper
117 100
82 61.8 48.0 72.0
119 31.8 25.8 38.8

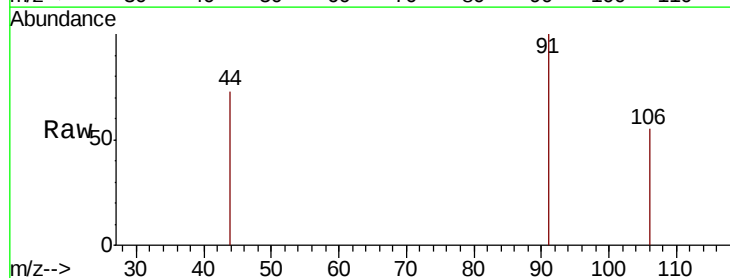


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

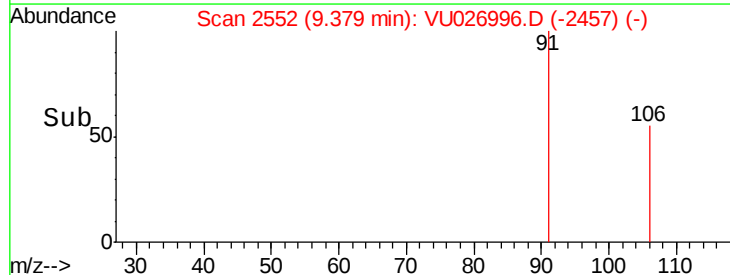
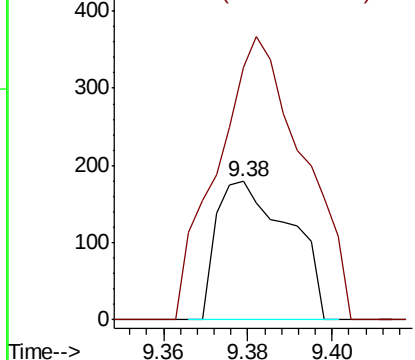


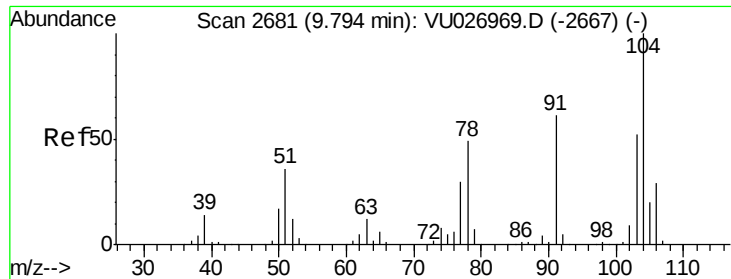
#68
m/p-Xylenes
Concen: 1.583 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU026996.D
Acq: 22 Sep 2018 04:58

Tgt Ion:106 Resp: 217
Ion Ratio Lower Upper
106 100
91 239.2 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0





#70

Styrene

Concen: 1.831 ug/l

RT: 9.81 min Scan# 2685

Delta R.T. 0.01 min

Lab File: VU026996.D

Acq: 22 Sep 2018 04:58

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-TB02-20180914

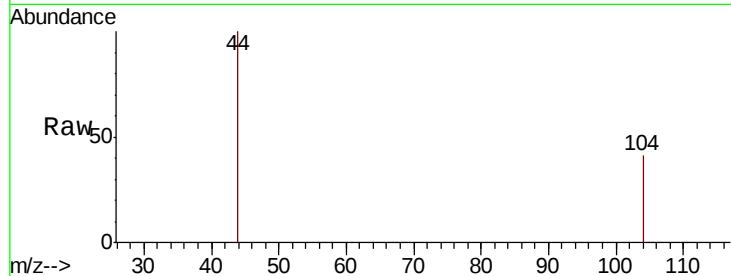
Tgt Ion:104 Resp: 93

Ion Ratio Lower Upper

104 100

78 0.0 43.0 64.4#

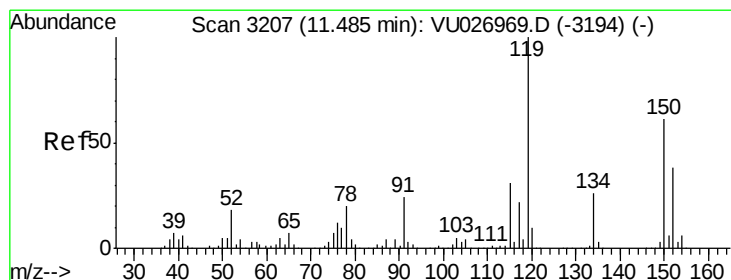
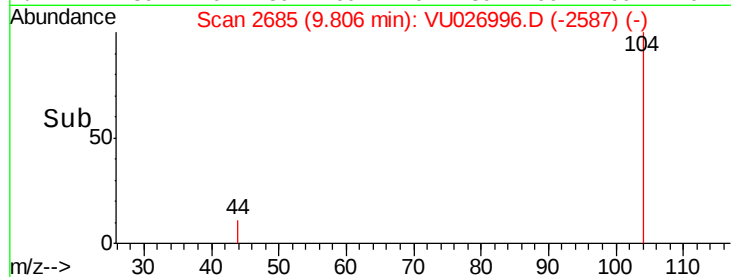
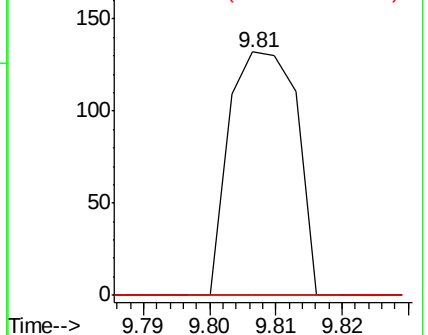
103 0.0 44.1 66.1#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU026996.D

Acq: 22 Sep 2018 04:58

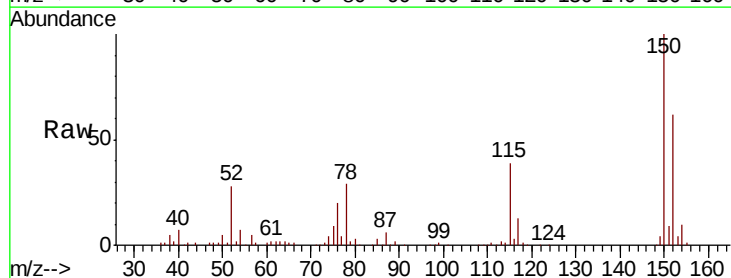
Tgt Ion:152 Resp: 70305

Ion Ratio Lower Upper

152 100

115 61.0 44.9 134.5

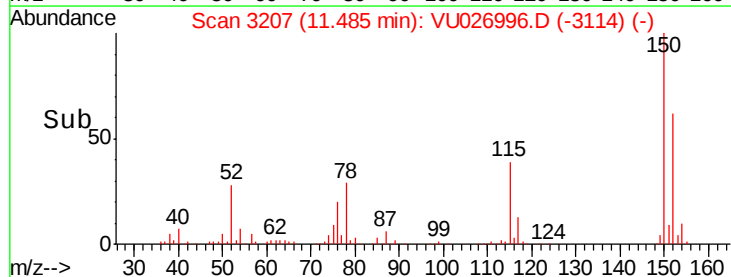
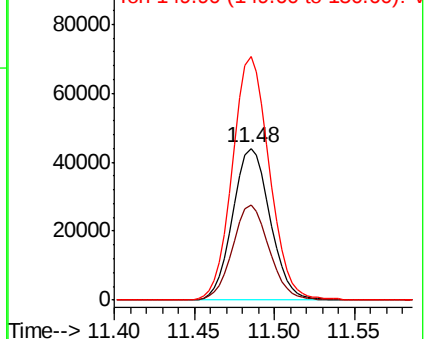
150 158.0 0.0 355.8

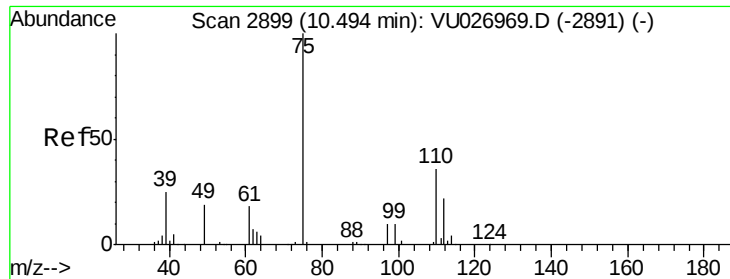


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

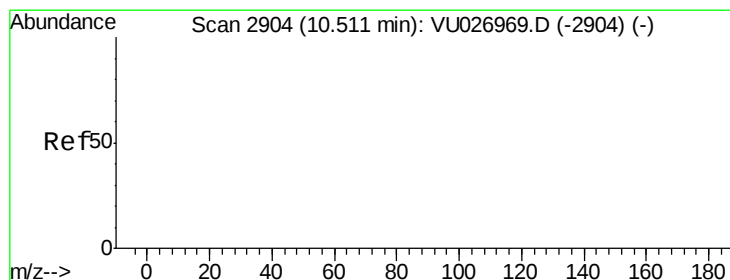
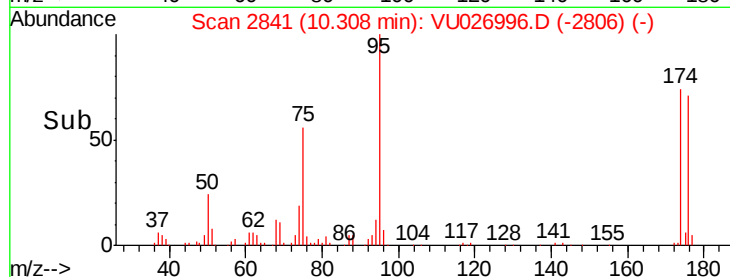
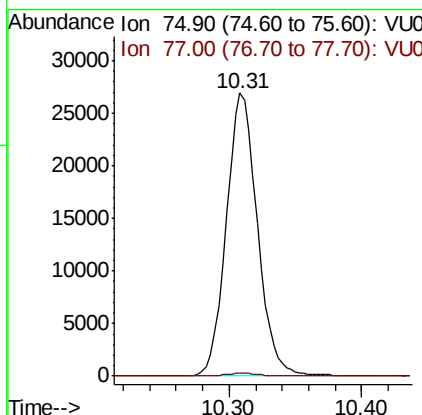
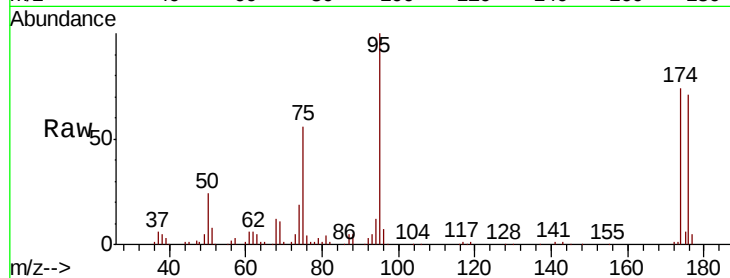




#76
 1,2,3-Trichloropropane
 Concen: 20.515 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU026996.D
 Acq: 22 Sep 2018 04:58

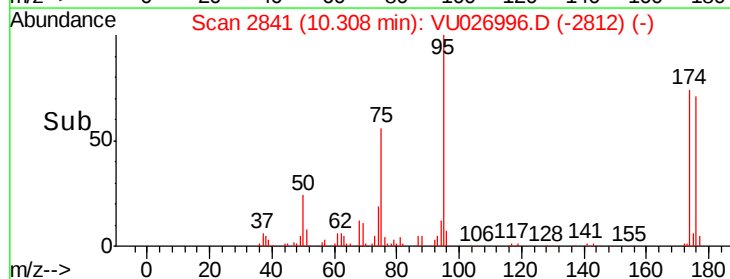
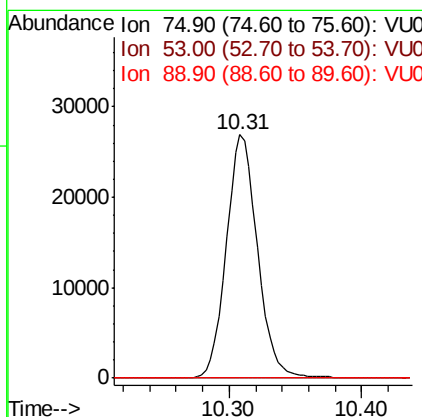
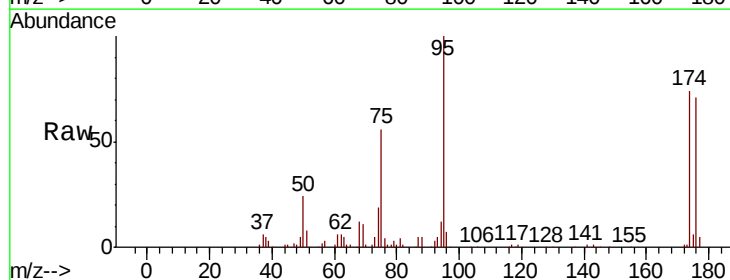
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-TB02-20180914

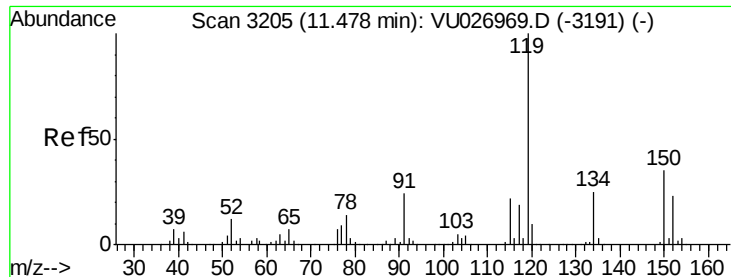
Tgt Ion: 75 Resp: 43817
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.9 62.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.652 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.21 min
 Lab File: VU026996.D
 Acq: 22 Sep 2018 04:58

Tgt Ion: 75 Resp: 43817
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

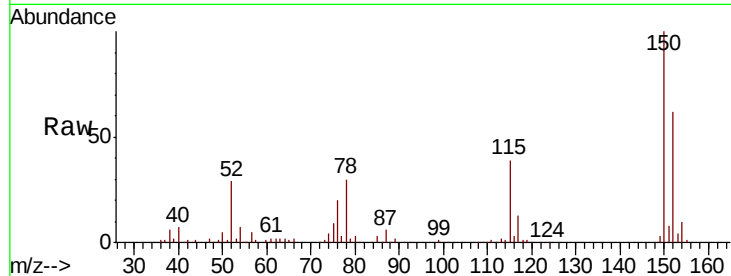




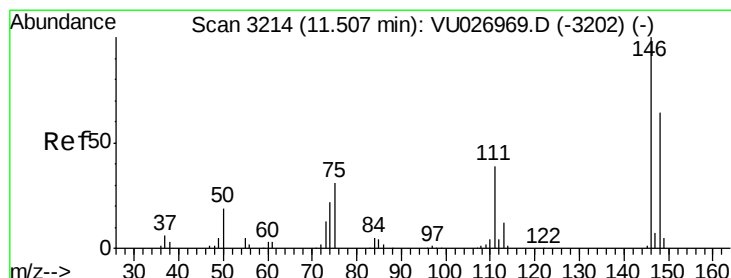
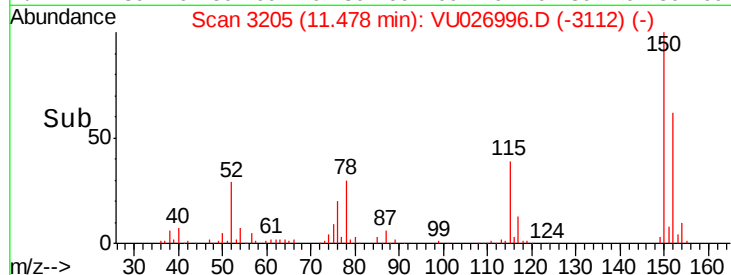
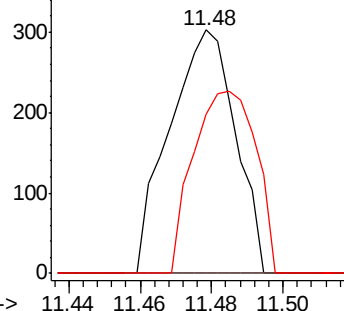
#86
p-Isopropyltoluene
Concen: 1.003 ug/l
RT: 11.48 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VU026996.D
Acq: 22 Sep 2018 04:58

Instrument :
MSVOA_U
ClientSampleId :
BP-TT-TB02-20180914

Tgt Ion:119 Resp: 386
Ion Ratio Lower Upper
119 100
134 0.0 12.8 38.3#
91 71.2 12.3 36.8#

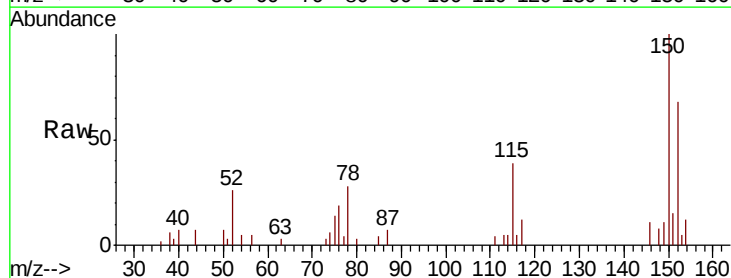


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

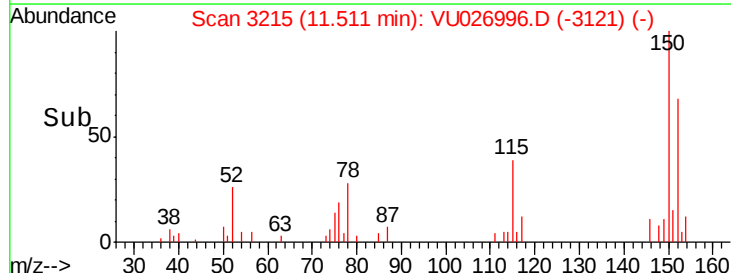
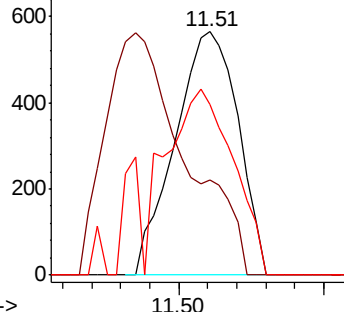


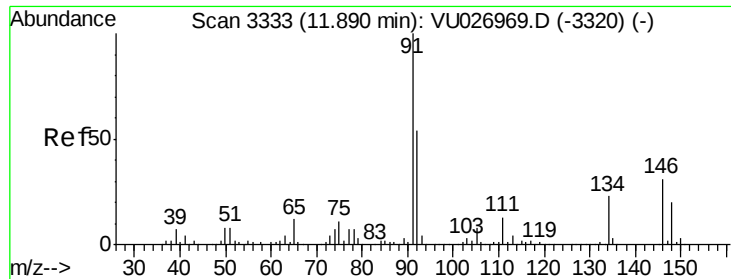
#88
1,4-Dichlorobenzene
Concen: 0.322 ug/l
RT: 11.51 min Scan# 3215
Delta R.T. 0.00 min
Lab File: VU026996.D
Acq: 22 Sep 2018 04:58

Tgt Ion:146 Resp: 853
Ion Ratio Lower Upper
146 100
111 0.0 20.3 60.9#
148 81.5 31.9 95.9



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

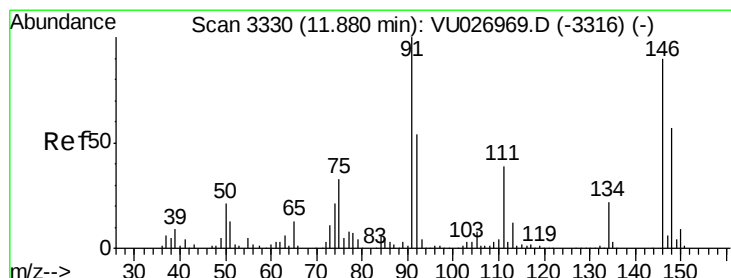
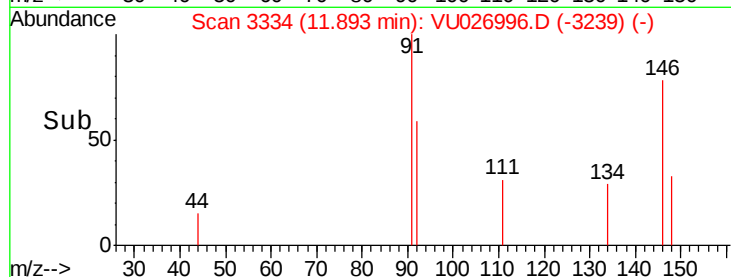
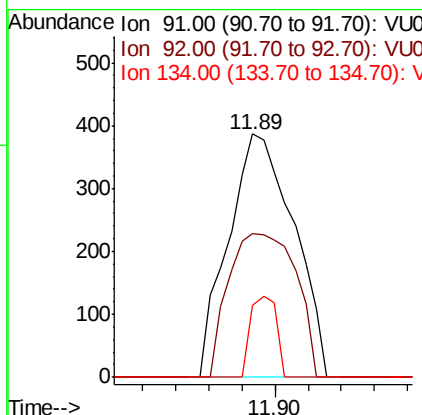
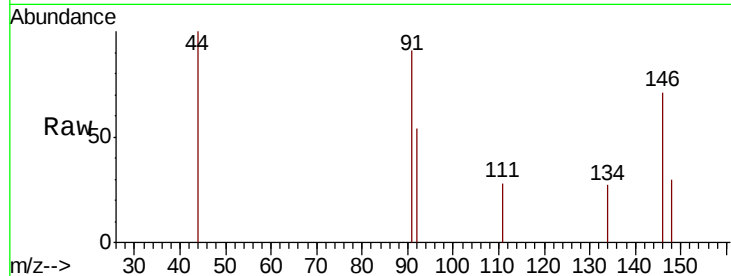




#89
n-Butylbenzene
Concen: 2.497 ug/l
RT: 11.89 min Scan# 3334
Delta R.T. 0.00 min
Lab File: VU026996.D
Acq: 22 Sep 2018 04:58

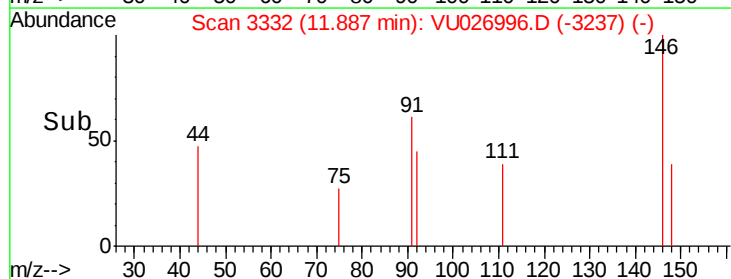
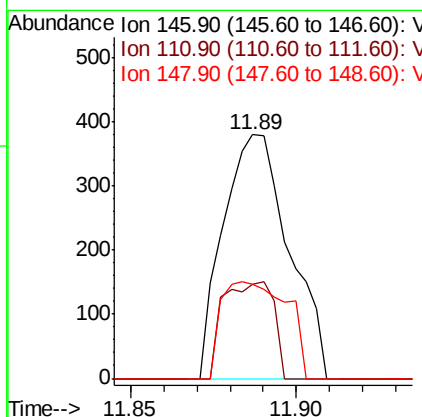
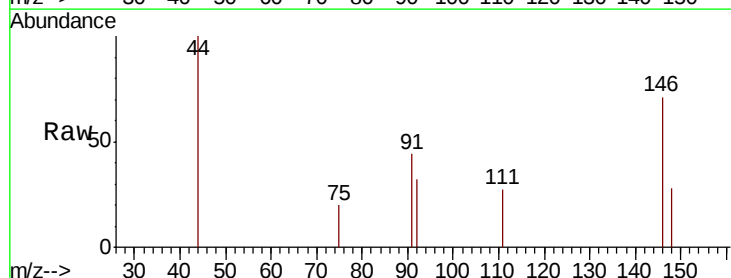
Instrument :
MSVOA_U
ClientSampleId :
BP-TT-TB02-20180914

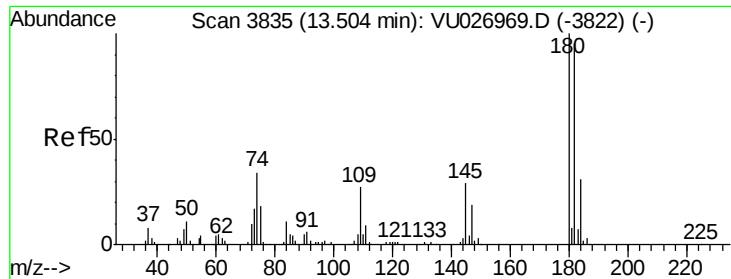
Tgt Ion: 91 Resp: 531
Ion Ratio Lower Upper
91 100
92 60.8 27.1 81.2
134 13.2 11.7 35.0



#91
1,2-Dichlorobenzene
Concen: 0.203 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.01 min
Lab File: VU026996.D
Acq: 22 Sep 2018 04:58

Tgt Ion: 146 Resp: 524
Ion Ratio Lower Upper
146 100
111 30.2 21.8 65.3
148 39.3 31.9 95.7

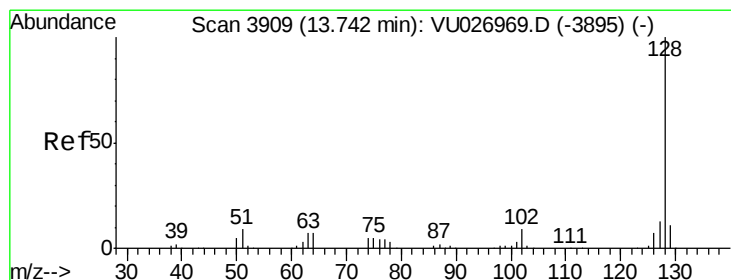
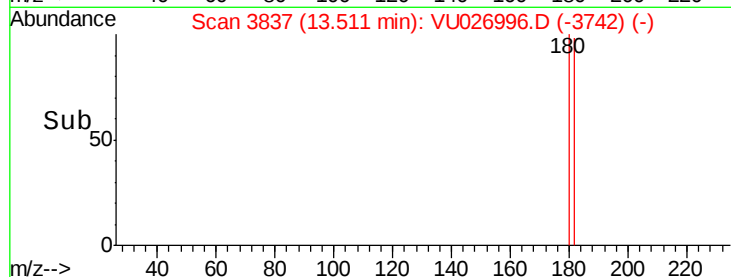
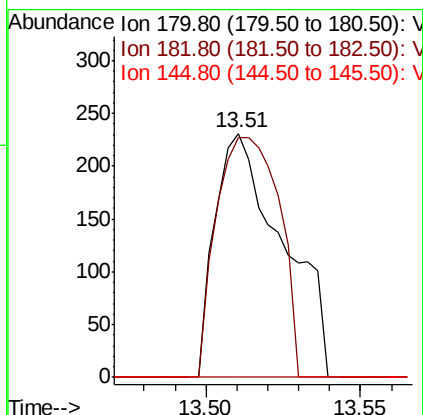
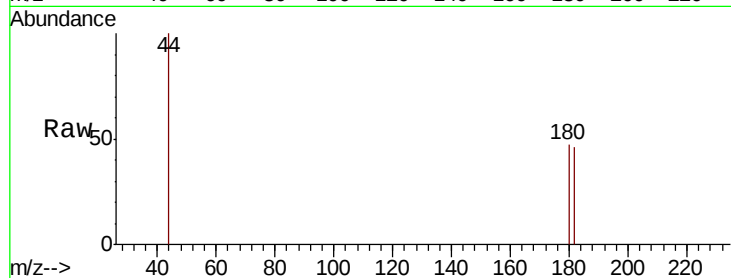




#93
 1,2,4-Trichlorobenzene
 Concen: 0.236 ug/l
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.01 min
 Lab File: VU026996.D
 Acq: 22 Sep 2018 04:58

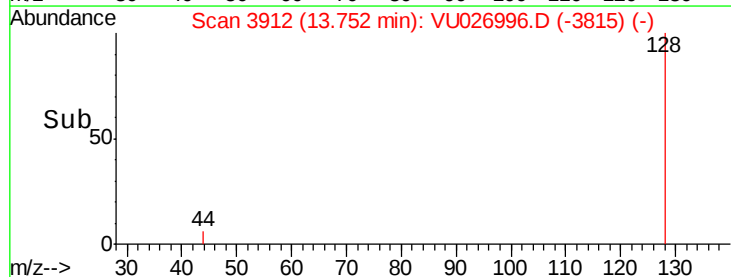
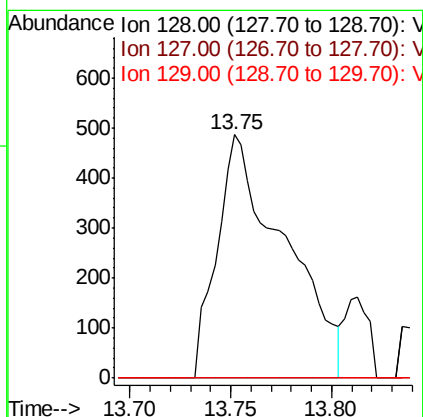
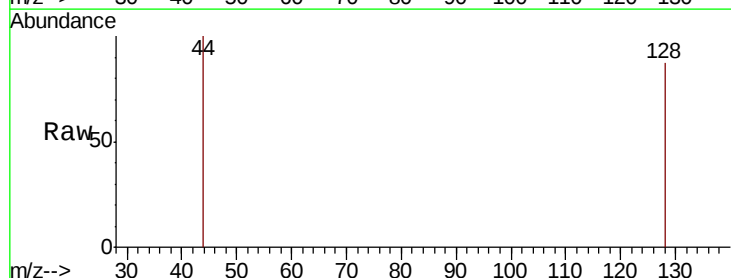
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-TB02-20180914

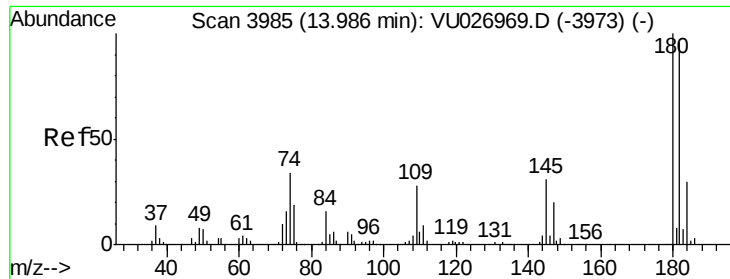
Tgt Ion:180 Resp: 351
 Ion Ratio Lower Upper
 180 100
 182 91.2 47.4 142.2
 145 0.0 14.9 44.5#



#95
 Naphthalene
 Concen: 1.876 ug/l
 RT: 13.75 min Scan# 3912
 Delta R.T. 0.01 min
 Lab File: VU026996.D
 Acq: 22 Sep 2018 04:58

Tgt Ion:128 Resp: 1125
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 15.8#
 129 0.0 8.6 12.8#





#96

1,2,3-Trichlorobenzene

Concen: 0.230 ug/l

RT: 13.99 min Scan# 3987

Delta R.T. 0.01 min

Lab File: VU026996.D

Acq: 22 Sep 2018 04:58

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-TB02-20180914

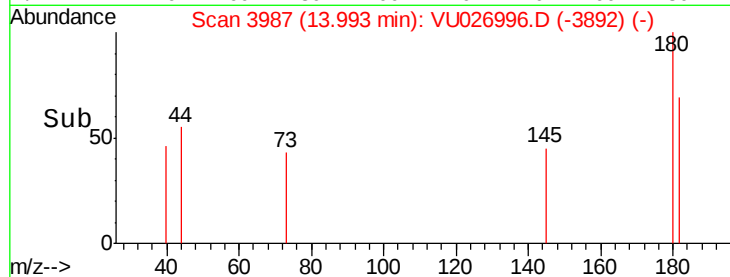
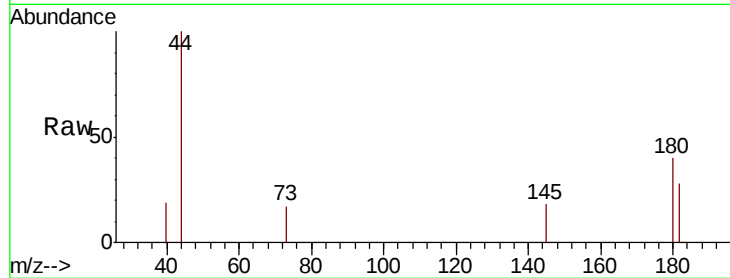
Tgt Ion:180 Resp: 367

Ion Ratio Lower Upper

180 100

182 91.0 47.5 142.5

145 12.0 15.4 46.4#



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

