

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028639.D
 Acq On : 12 Dec 2018 09:56
 Operator : MD/SY
 Sample : J6343-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TB06-20181209

Quant Time: Dec 13 00:45:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	116183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	208738	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	187746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	75428	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	88381	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
35) Dibromofluoromethane	4.88	113	68483	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	
50) Toluene-d8	7.56	98	267830	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	
62) 4-Bromofluorobenzene	10.30	95	89152	45.90	ug/l	0.00
Spiked Amount			Recovery	=	91.80%	

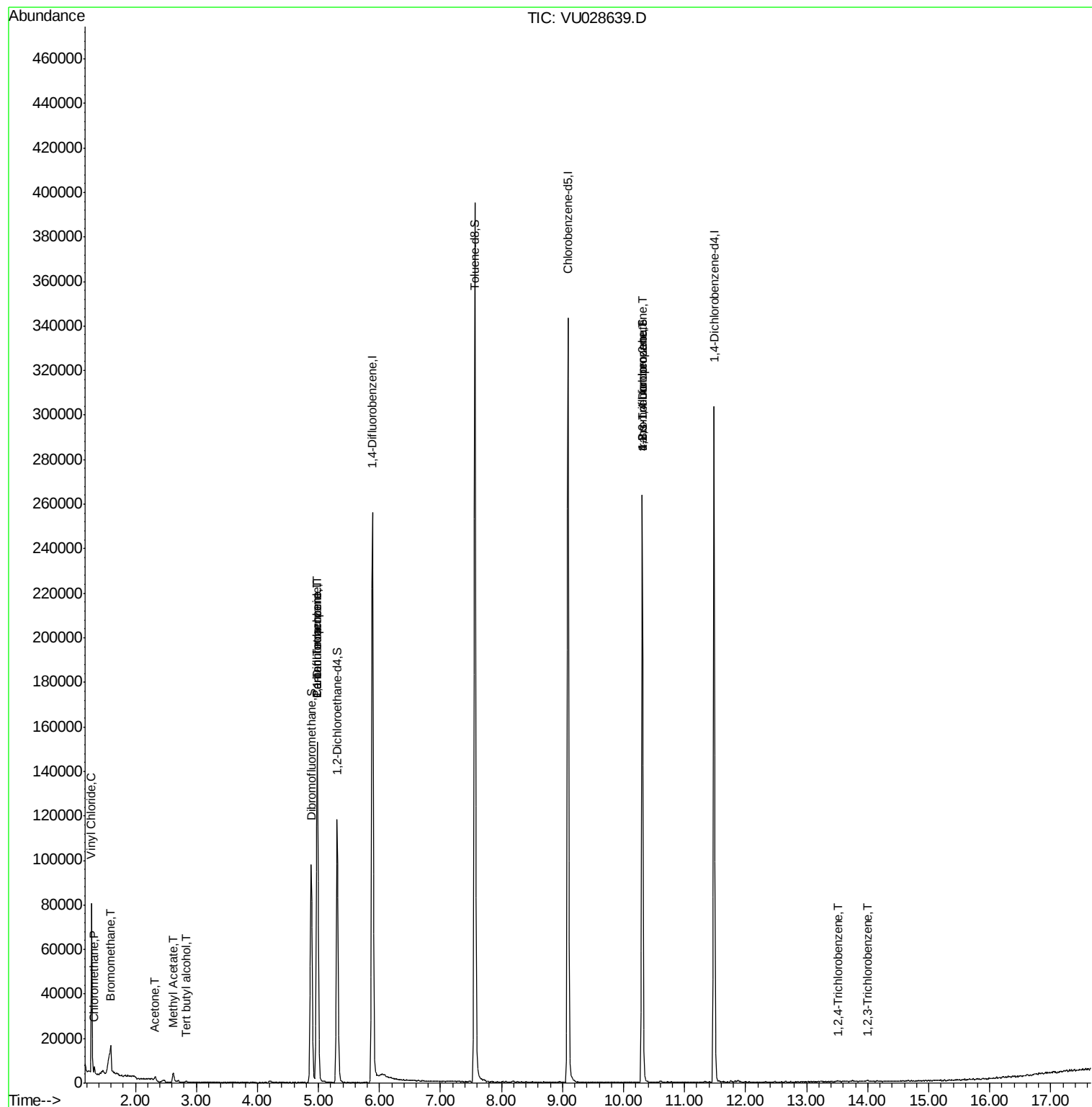
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	2590	0.905	ug/l	98
4) Vinyl Chloride	1.28	62	623	0.302	ug/l #	43
5) Bromomethane	1.61	94	249	0.299	ug/l	84
11) Tert butyl alcohol	2.83	59	312	0.790	ug/l #	73
16) Acetone	2.32	43	1152	0.996	ug/l	98
18) Methyl Acetate	2.62	43	6243	2.082	ug/l	97
31) Cyclohexane	4.98	56	2406	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	9865	4.319	ug/l #	49
38) Carbon Tetrachloride	4.98	117	10870	5.904	ug/l #	15
76) 1,2,3-Trichloropropane	10.30	75	45131	23.432	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.30	75	45131	57.531	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.51	180	165	0.936	ug/l #	32
96) 1,2,3-Trichlorobenzene	13.99	180	268	0.299	ug/l #	36

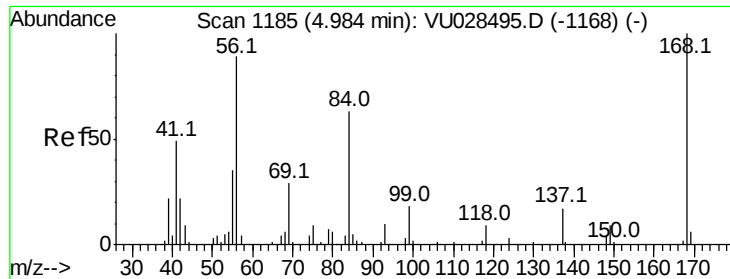
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 13 00:45:12 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028639.D

Acq: 12 Dec 2018 09:56

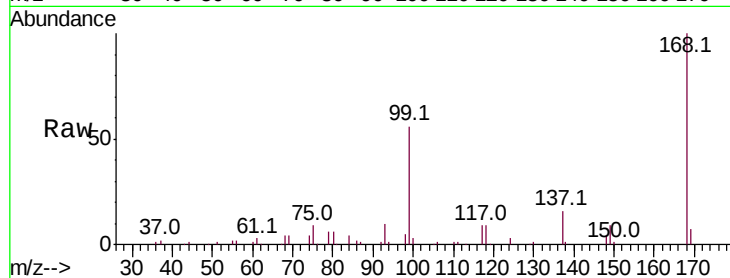
Instrument :
MSVOA_U
ClientSampleId :
BP-TB06-20181209

Tot Ion:168 Resp: 116183

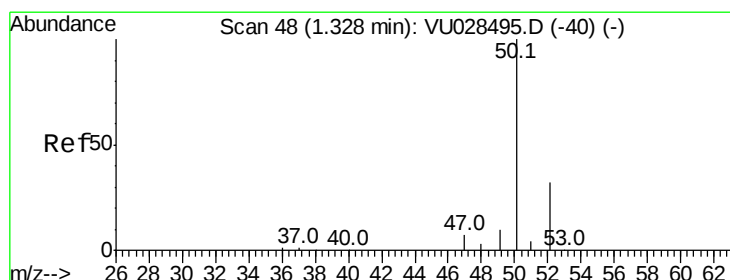
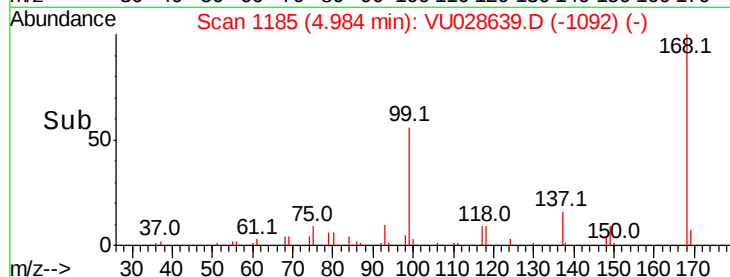
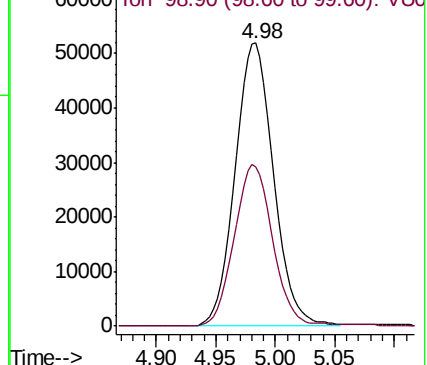
Ion Ratio Lower Upper

168 100

99 56.3 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)



#3

Chloromethane

Concen: 0.905 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028639.D

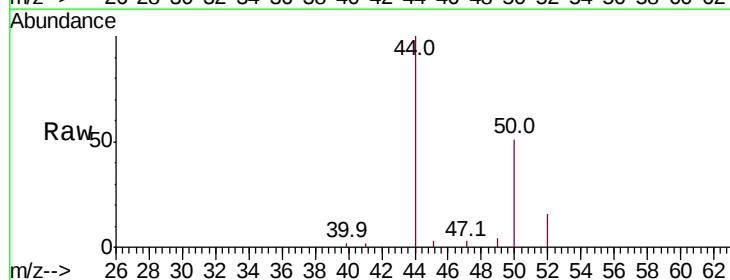
Acq: 12 Dec 2018 09:56

Tgt Ion: 50 Resp: 2590

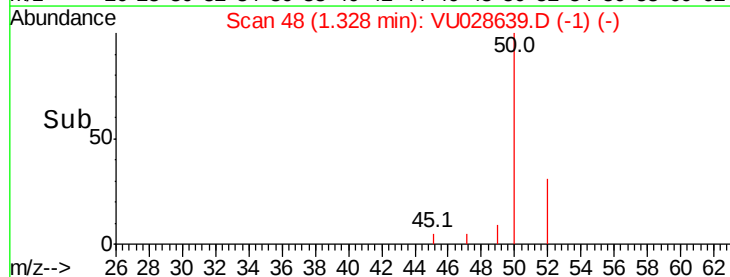
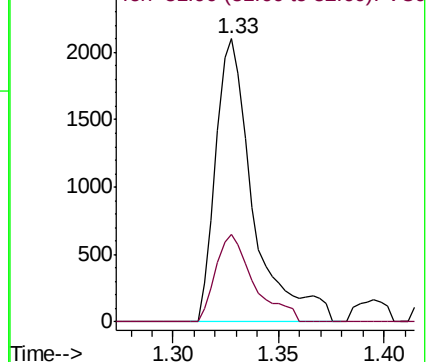
Ion Ratio Lower Upper

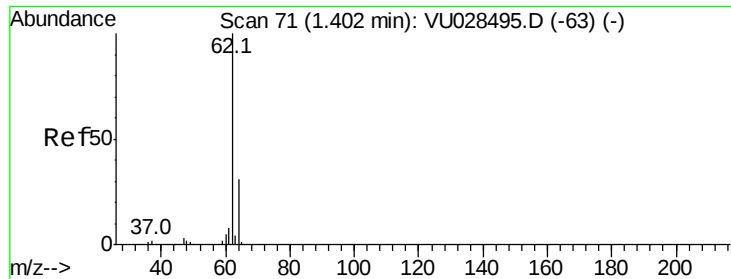
50 100

52 30.8 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU028495.D (-40) (-)





#4

Vinyl Chloride

Concen: 0.302 ug/l

RT: 1.28 min Scan# 34

Delta R.T. -0.12 min

Lab File: VU028639.D

Acq: 12 Dec 2018 09:56

Instrument :

MSVOA_U

ClientSampleId :

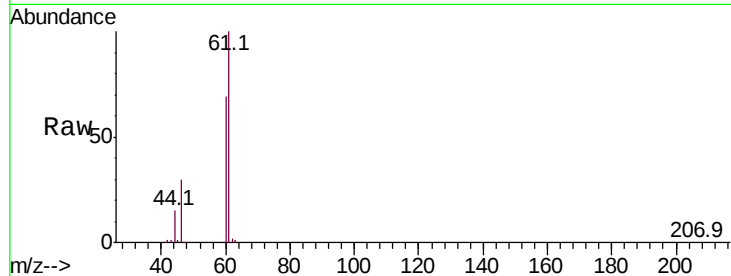
BP-TB06-20181209

Tot Ion: 62 Resp: 623

Ion Ratio Lower Upper

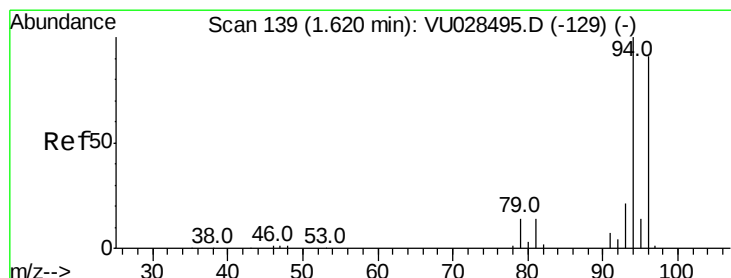
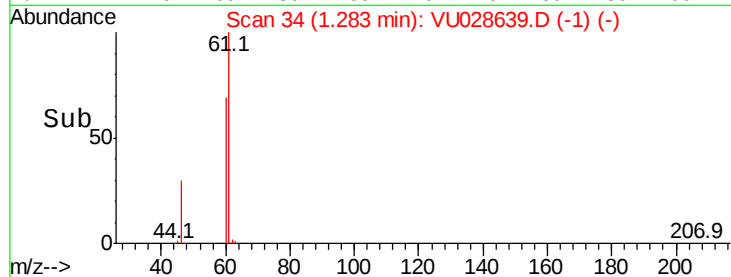
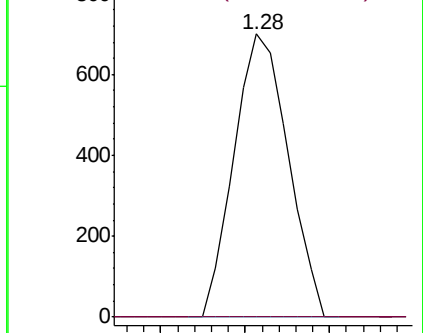
62 100

64 0.0 25.1 37.7#



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



#5

Bromomethane

Concen: 0.299 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.01 min

Lab File: VU028639.D

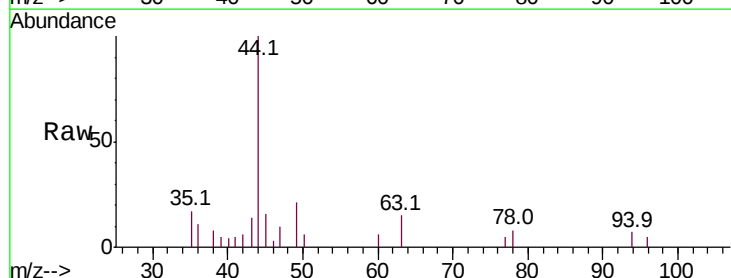
Acq: 12 Dec 2018 09:56

Tgt Ion: 94 Resp: 249

Ion Ratio Lower Upper

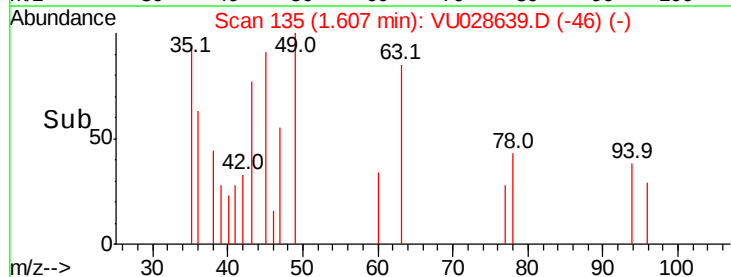
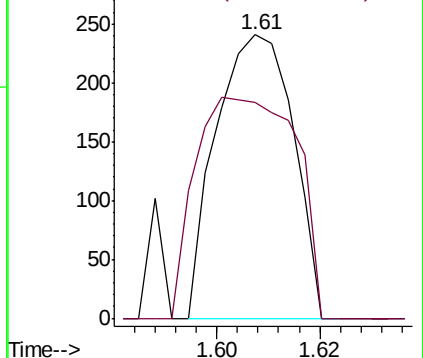
94 100

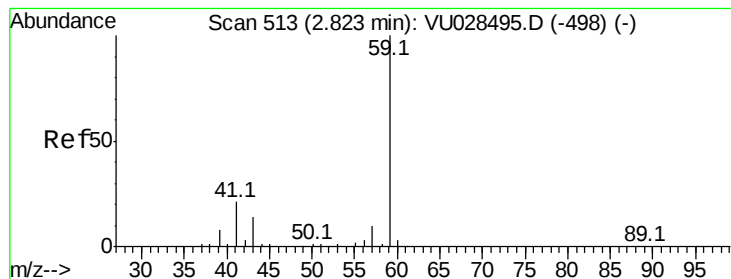
96 75.9 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



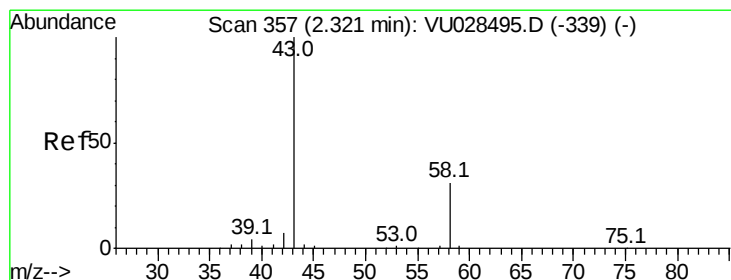
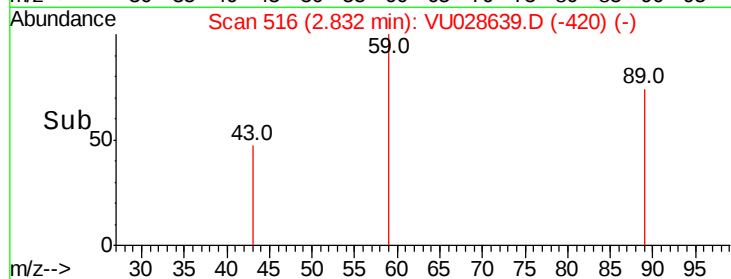
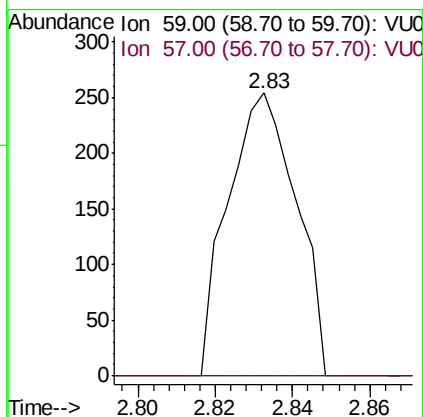
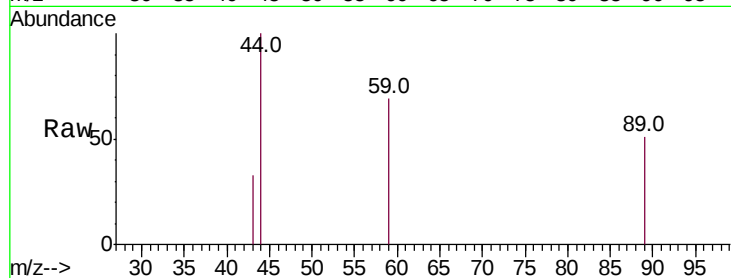


#11

Tert butyl alcohol
 Concen: 0.790 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.01 min
 Lab File: VU028639.D
 Acq: 12 Dec 2018 09:56

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TB06-20181209

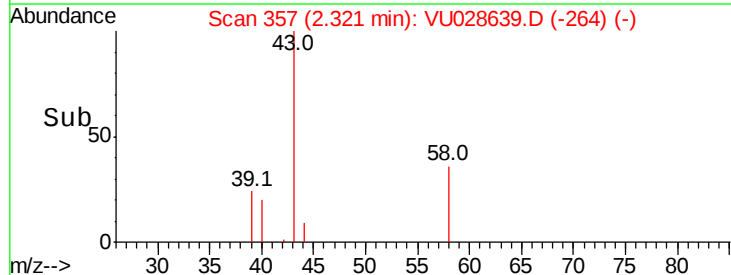
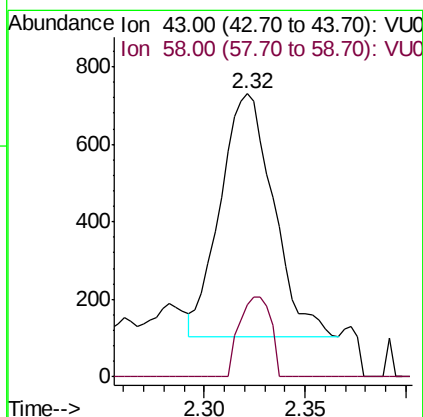
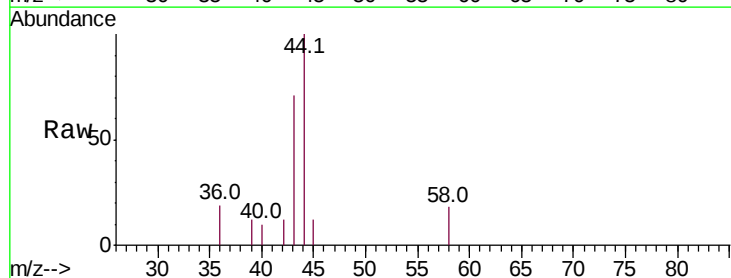
Tot Ion: 59 Resp: 312
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

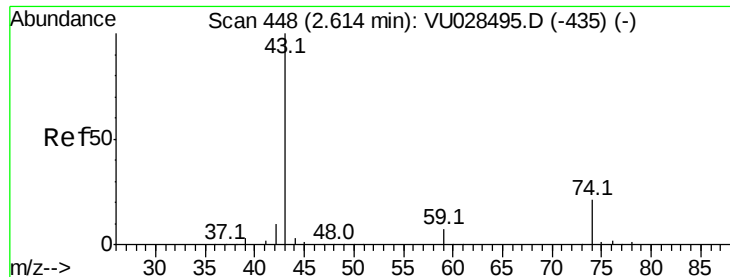


#16

Acetone
 Concen: 0.996 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU028639.D
 Acq: 12 Dec 2018 09:56

Tgt Ion: 43 Resp: 1152
 Ion Ratio Lower Upper
 43 100
 58 29.7 24.6 37.0

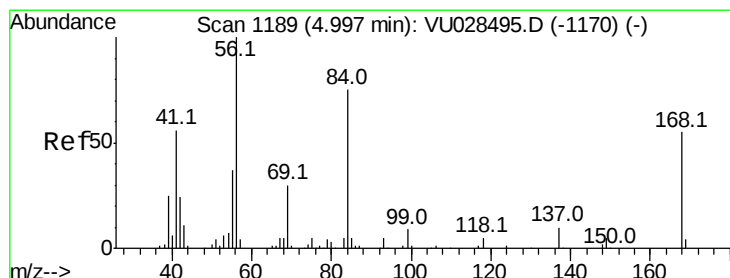
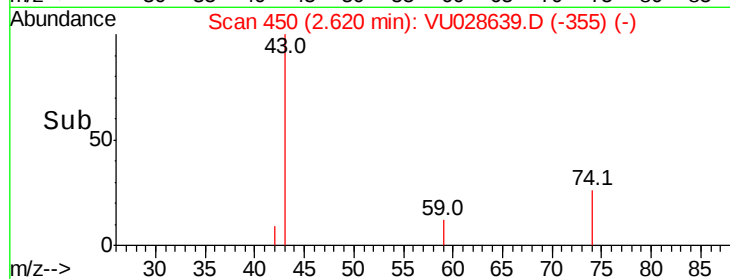
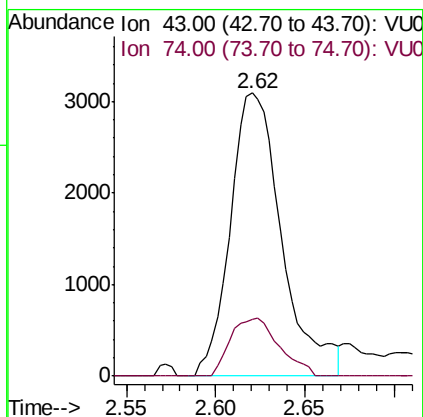
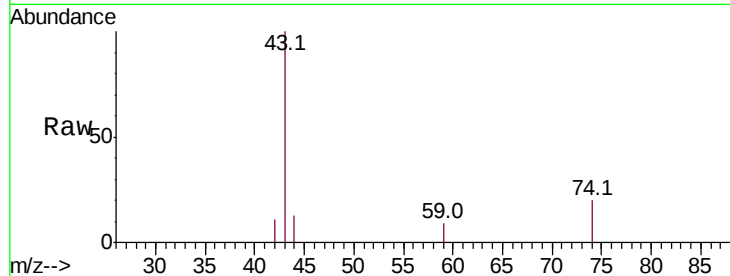




#18
Methvl Acetate
Concen: 2.082 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.01 min
Lab File: VU028639.D
Acq: 12 Dec 2018 09:56

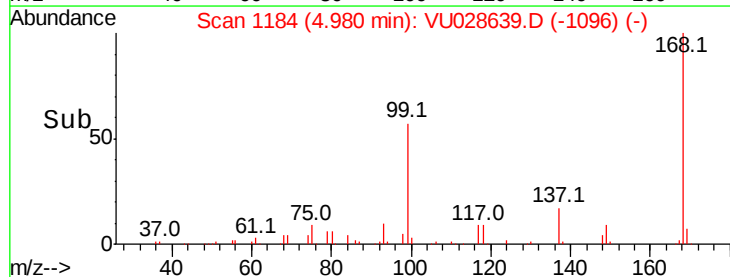
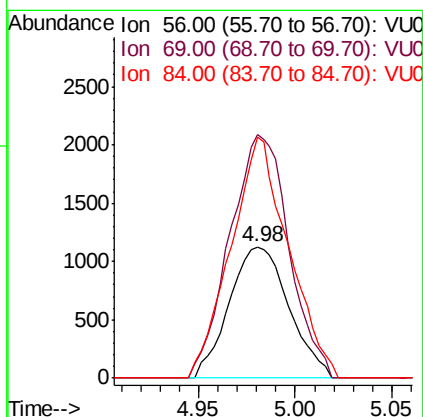
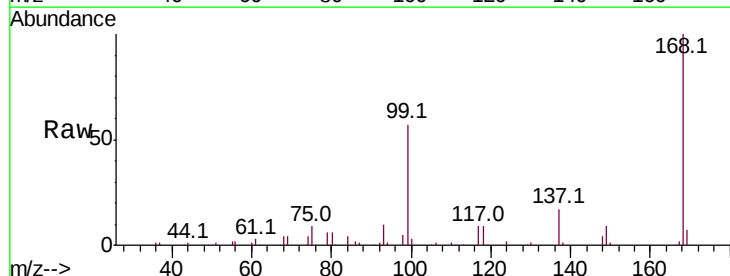
Instrument :
MSVOA_U
ClientSampleId :
BP-TB06-20181209

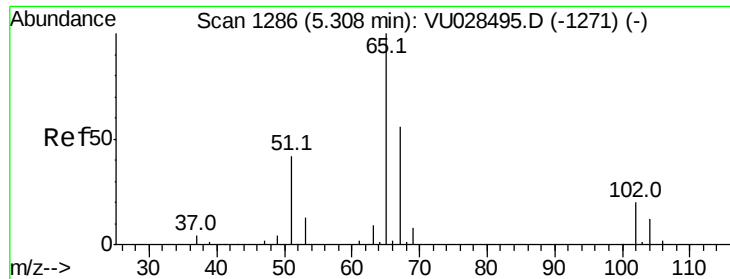
Tot Ion: 43 Resp: 6243
Ion Ratio Lower Upper
43 100
74 19.3 16.4 24.6



#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VU028639.D
Acq: 12 Dec 2018 09:56

Tgt Ion: 56 Resp: 2406
Ion Ratio Lower Upper
56 100
69 185.4 24.0 36.0#
84 183.4 59.7 89.5#

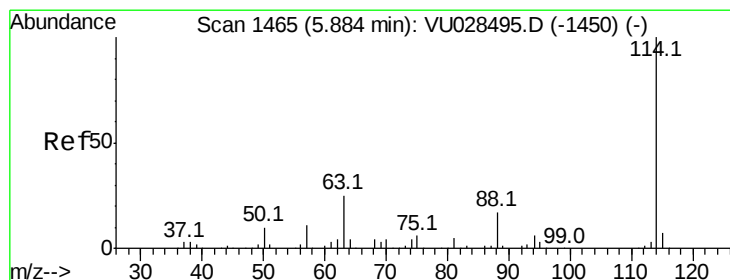
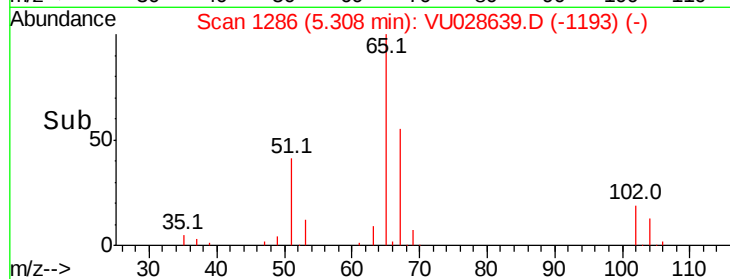
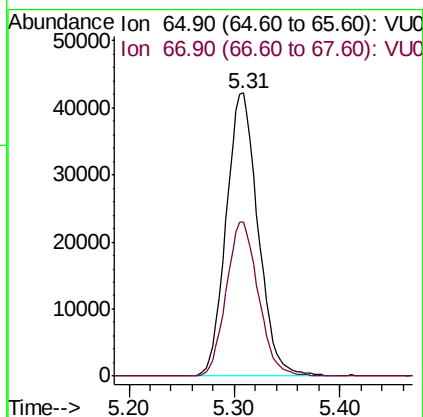
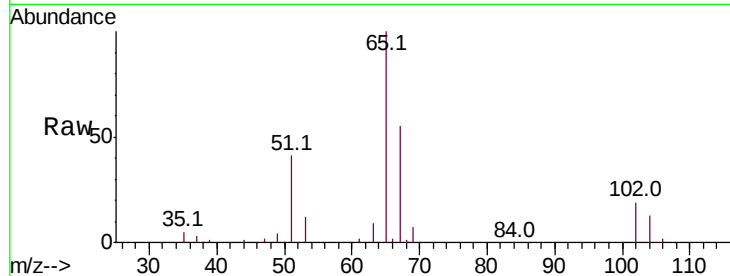




#33
 1,2-Dichloroethane-d4
 Concen: 49.848 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028639.D
 Acq: 12 Dec 2018 09:56

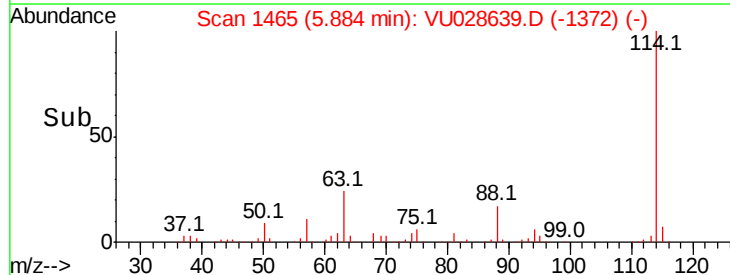
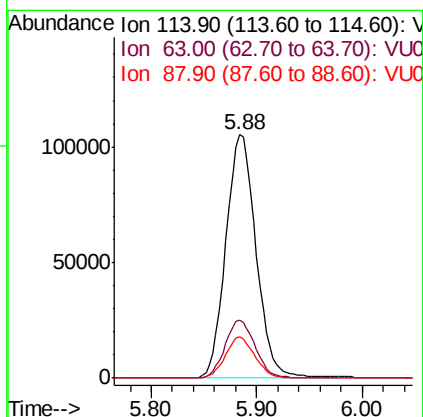
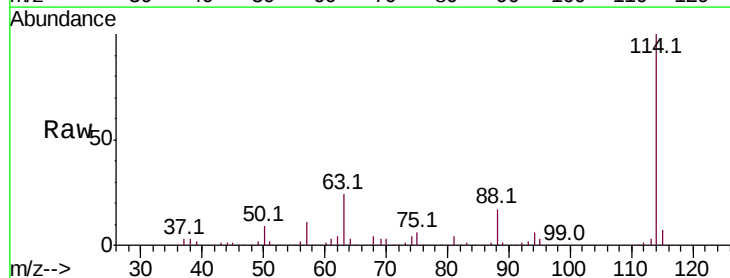
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 MSVOA_U
 ClientSampleId :
 BP-TB06-20181209

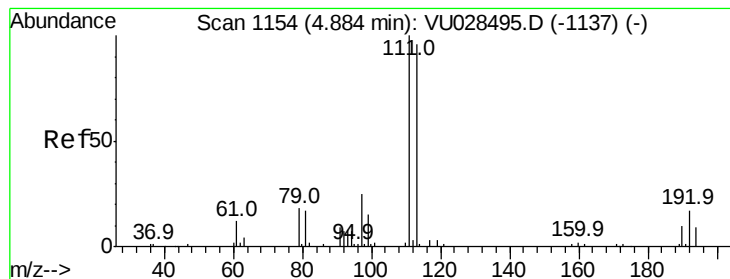
Tot Ion: 65 Resp: 88381
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028639.D
 Acq: 12 Dec 2018 09:56

Tgt Ion: 114 Resp: 208738
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 49.2
 88 16.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 52.134 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028639.D

Acq: 12 Dec 2018 09:56

Instrument :
MSVOA_U
ClientSampleId :
BP-TB06-20181209

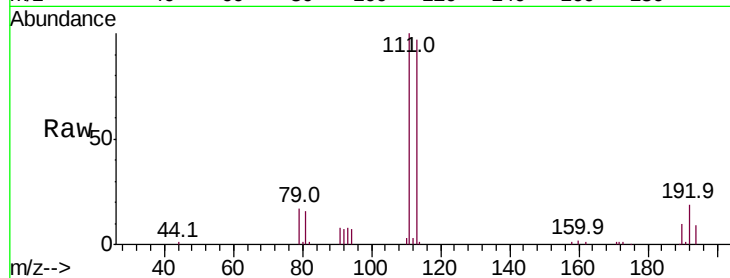
Tot Ion:113 Resp: 68483

Ion Ratio Lower Upper

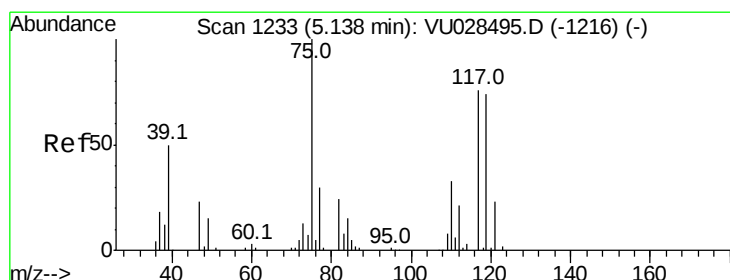
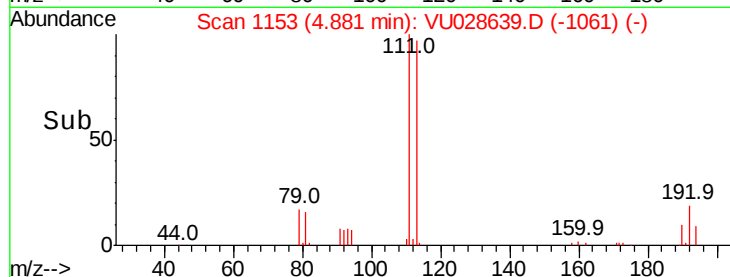
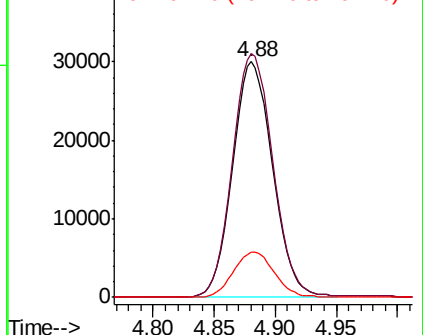
113 100

111 104.7 83.4 125.0

192 19.6 14.8 22.2



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: 4.319 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028639.D

Acq: 12 Dec 2018 09:56

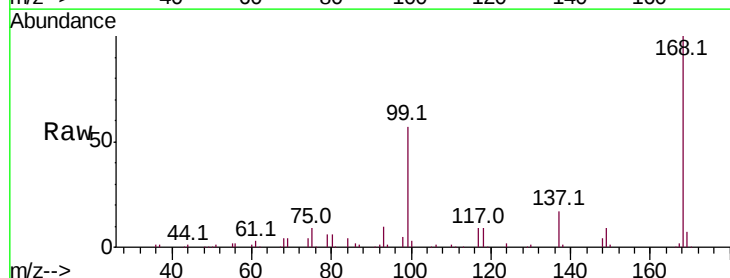
Tgt Ion: 75 Resp: 9865

Ion Ratio Lower Upper

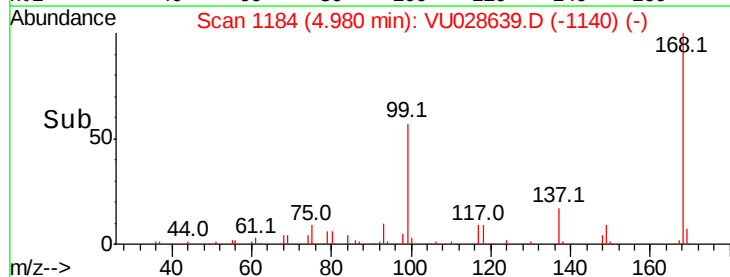
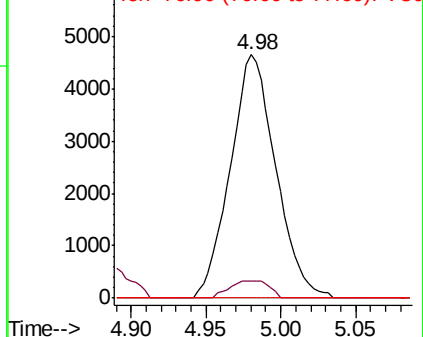
75 100

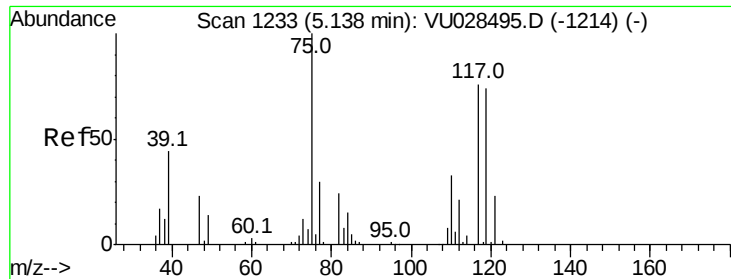
110 6.1 16.1 48.2#

77 0.0 24.5 36.7#



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: 5.904 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028639.D

Acq: 12 Dec 2018 09:56

Instrument :

MSVOA_U

ClientSampleId :

BP-TB06-20181209

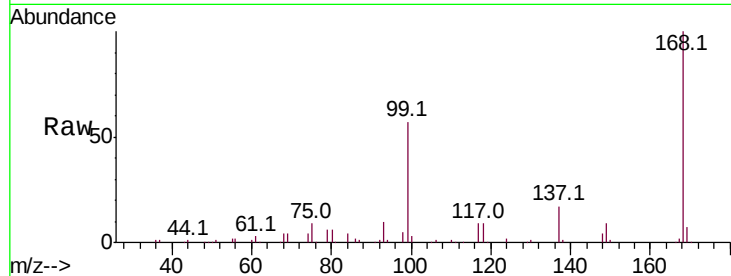
Tot Ion:117 Resp: 10870

Ion Ratio Lower Upper

117 100

119 4.5 77.6 116.4#

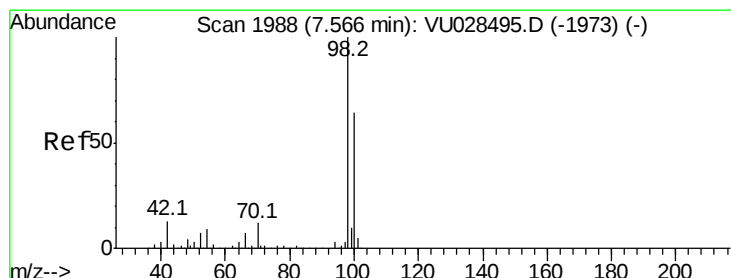
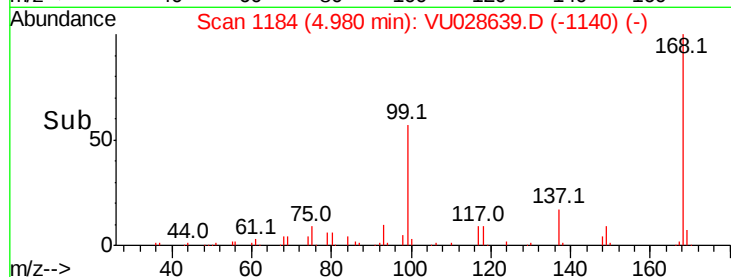
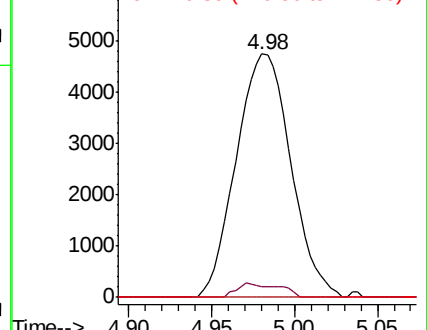
121 0.0 24.6 36.8#



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: 51.542 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU028639.D

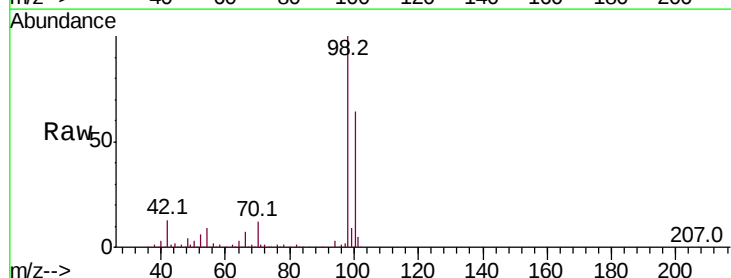
Acq: 12 Dec 2018 09:56

Tgt Ion: 98 Resp: 267830

Ion Ratio Lower Upper

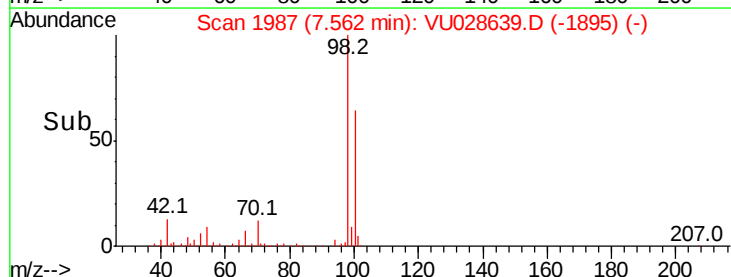
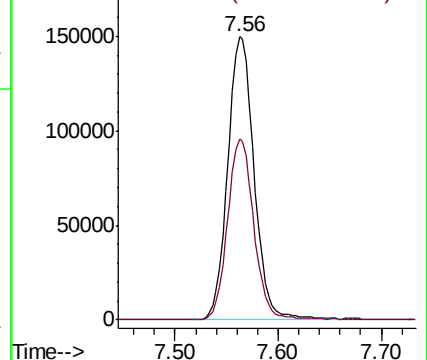
98 100

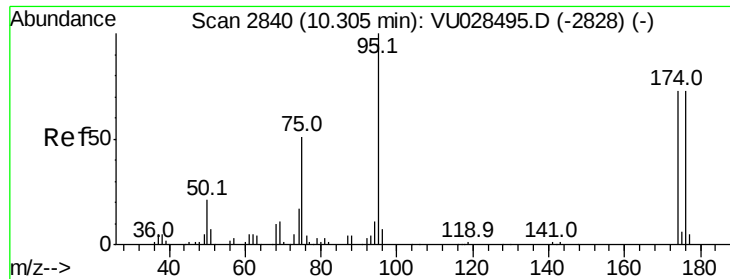
100 63.6 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

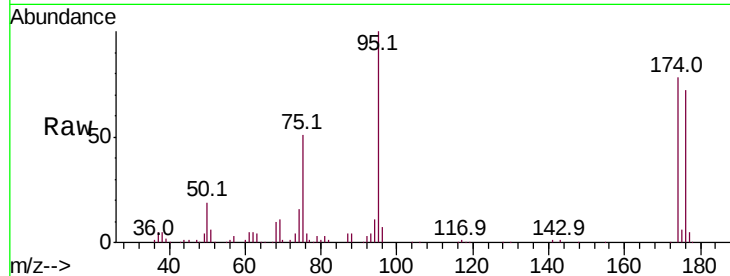




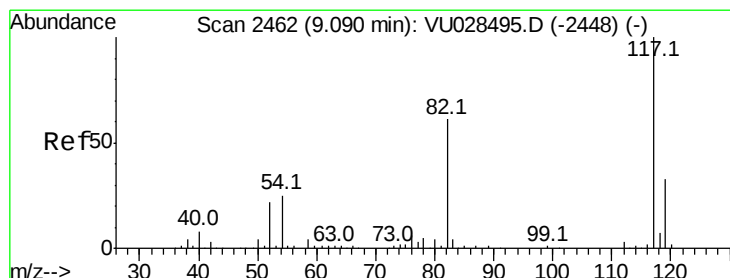
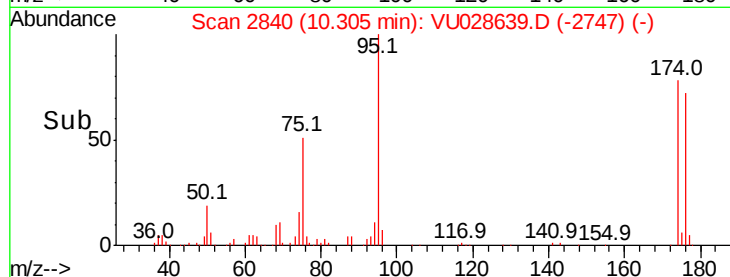
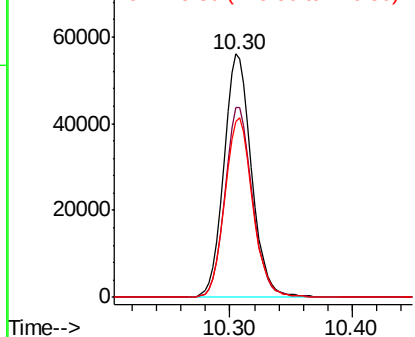
#62
 4-Bromofluorobenzene
 Concen: 45.902 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028639.D
 Acq: 12 Dec 2018 09:56

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TB06-20181209

Tot Ion: 95 Resp: 89152
 Ion Ratio Lower Upper
 95 100
 174 77.7 0.0 150.4
 176 74.4 0.0 145.2

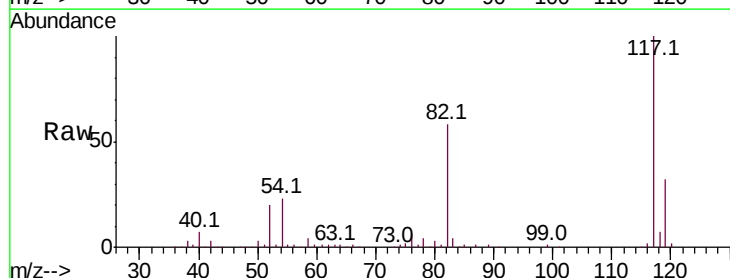


Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)
 Ion 173.80 (173.50 to 174.50): VU028495.D (-2828) (-)
 Ion 175.80 (175.50 to 176.50): VU028495.D (-2828) (-)

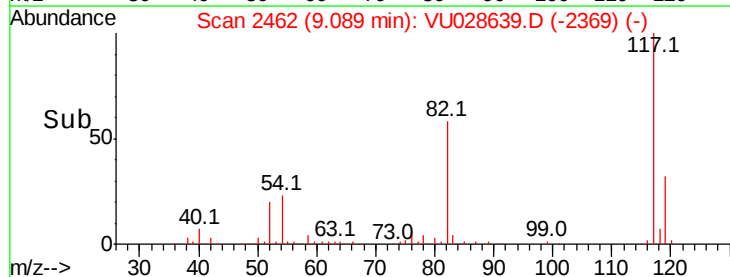
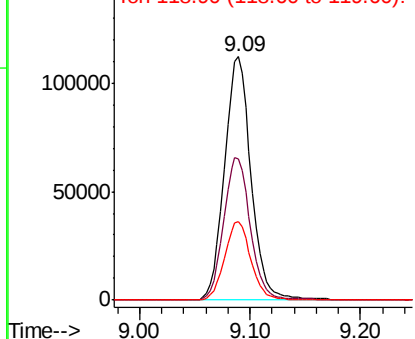


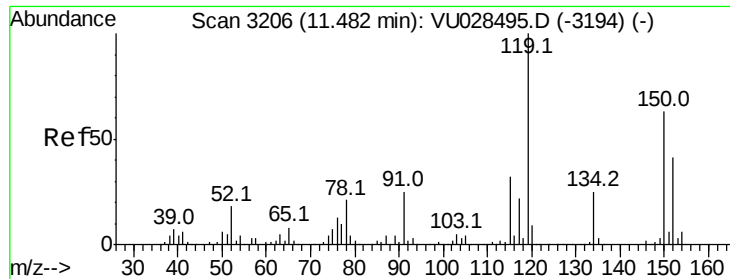
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VU028639.D
 Acq: 12 Dec 2018 09:56

Tgt Ion: 117 Resp: 187746
 Ion Ratio Lower Upper
 117 100
 82 58.1 48.9 73.3
 119 32.4 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)
 Ion 82.00 (81.70 to 82.70): VU028495.D (-2448) (-)
 Ion 118.90 (118.60 to 119.60): VU028495.D (-2448) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028639.D

Acq: 12 Dec 2018 09:56

Instrument :

MSVOA_U

ClientSampleId :

BP-TB06-20181209

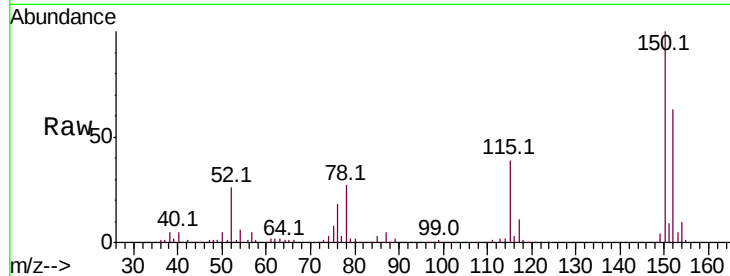
Tot Ion:152 Resp: 75428

Ion Ratio Lower Upper

152 100

115 60.7 42.7 128.1

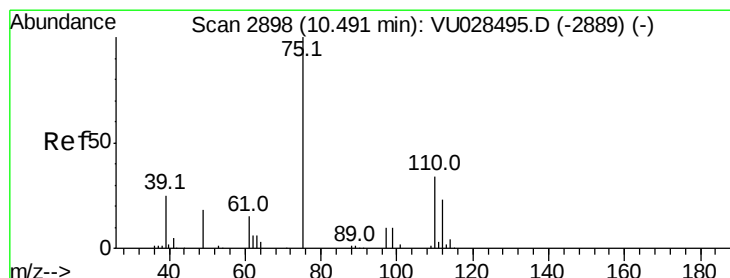
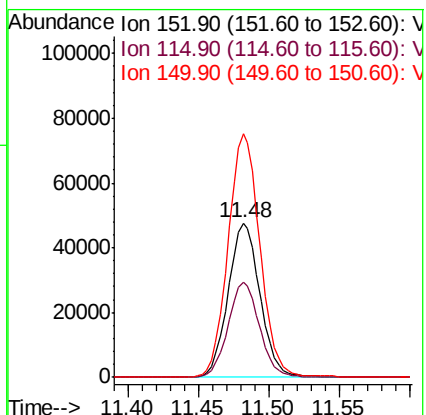
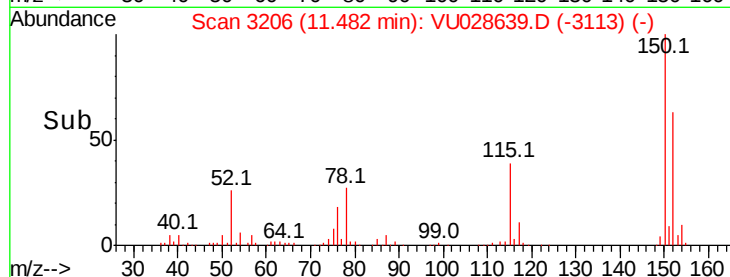
150 157.8 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.432 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028639.D

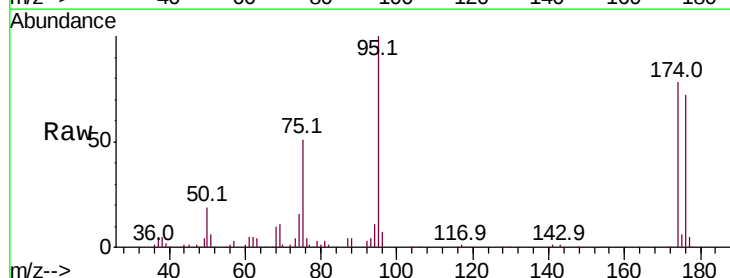
Acq: 12 Dec 2018 09:56

Tgt Ion: 75 Resp: 45131

Ion Ratio Lower Upper

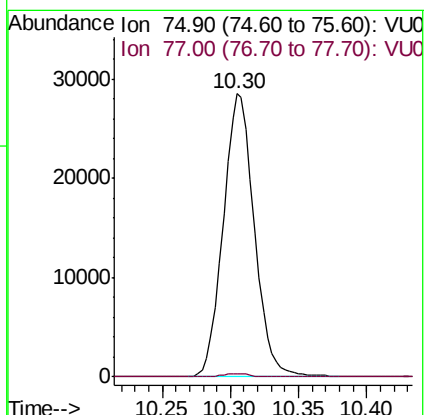
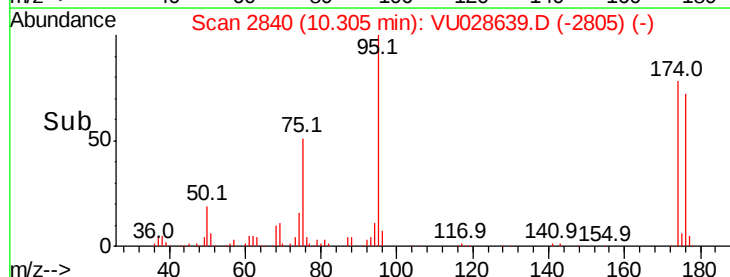
75 100

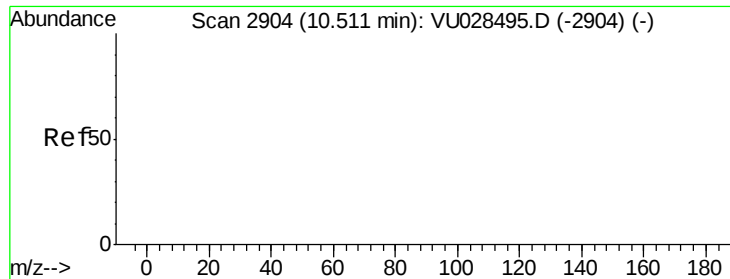
77 0.9 20.8 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 57.531 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028639.D

Acq: 12 Dec 2018 09:56

Instrument :

MSVOA_U

ClientSampleId :

BP-TB06-20181209

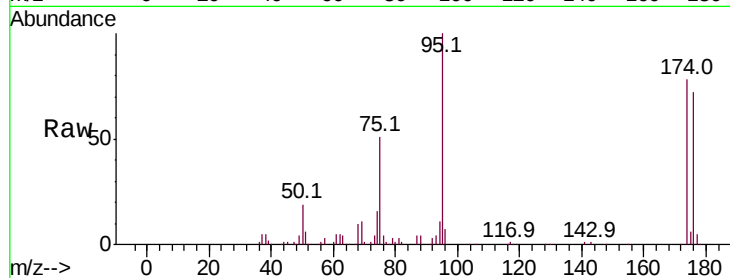
Tot Ion: 75 Resp: 45131

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

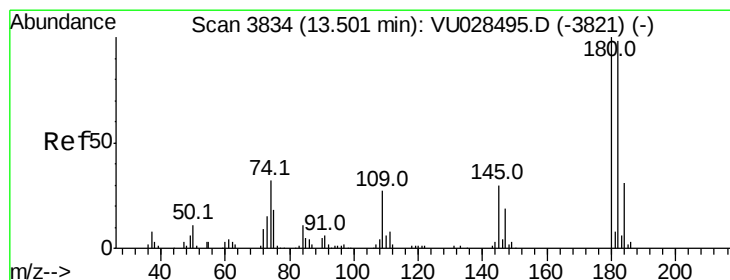
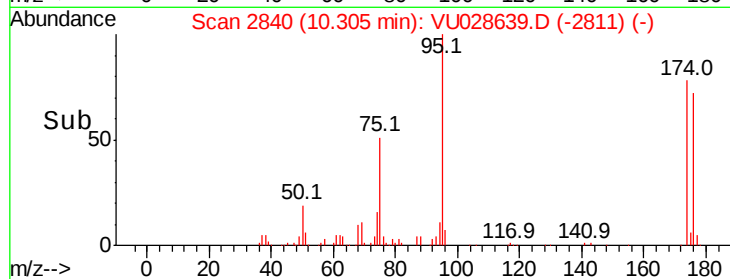
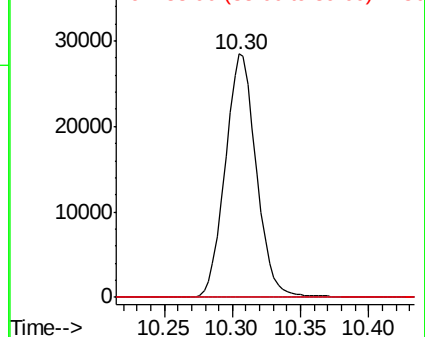
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#93

1,2,4-Trichlorobenzene

Concen: 0.936 ug/l

RT: 13.51 min Scan# 3837

Delta R.T. 0.01 min

Lab File: VU028639.D

Acq: 12 Dec 2018 09:56

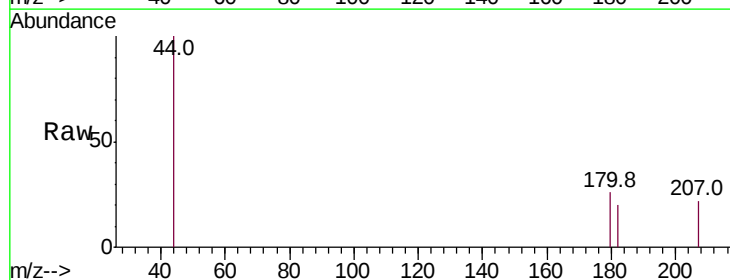
Tgt Ion:180 Resp: 165

Ion Ratio Lower Upper

180 100

182 26.1 47.9 143.8#

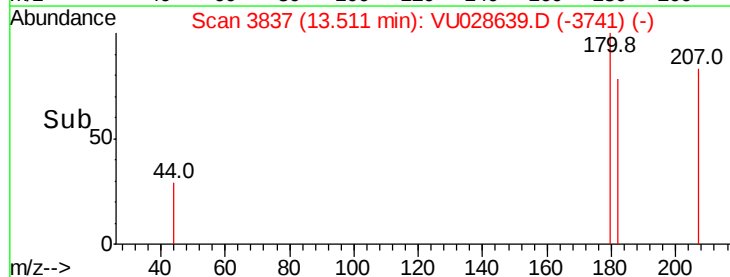
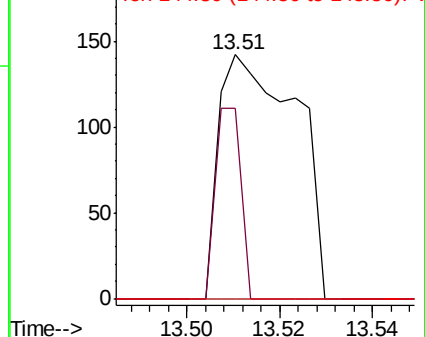
145 0.0 15.0 45.1#

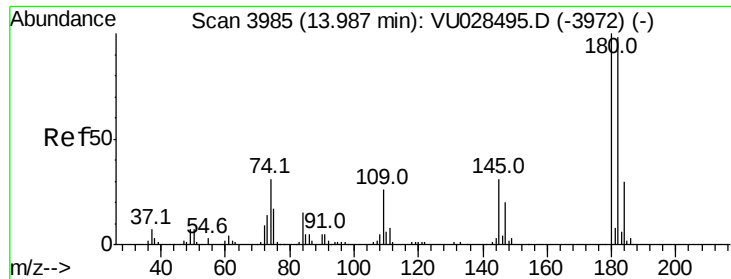


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.299 ug/l
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU028639.D
 Acq: 12 Dec 2018 09:56

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TB06-20181209

Tot Ion	Ratio	Lower	Upper
180	100		
182	31.7	48.2	144.6#
145	0.0	15.8	47.3#

