

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028500.D
 Acq On : 06 Dec 2018 15:03
 Operator : MD/SY
 Sample : J6259-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TB02-20181204

Quant Time: Dec 07 06:14:56 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	107464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	204548	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	188824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	82865	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	89045	54.30	ug/l	0.00
Spiked Amount			Recovery	=	108.60%	
35) Dibromofluoromethane	4.88	113	66778	51.88	ug/l	0.00
Spiked Amount			Recovery	=	103.76%	
50) Toluene-d8	7.57	98	266659	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
62) 4-Bromofluorobenzene	10.30	95	93215	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	

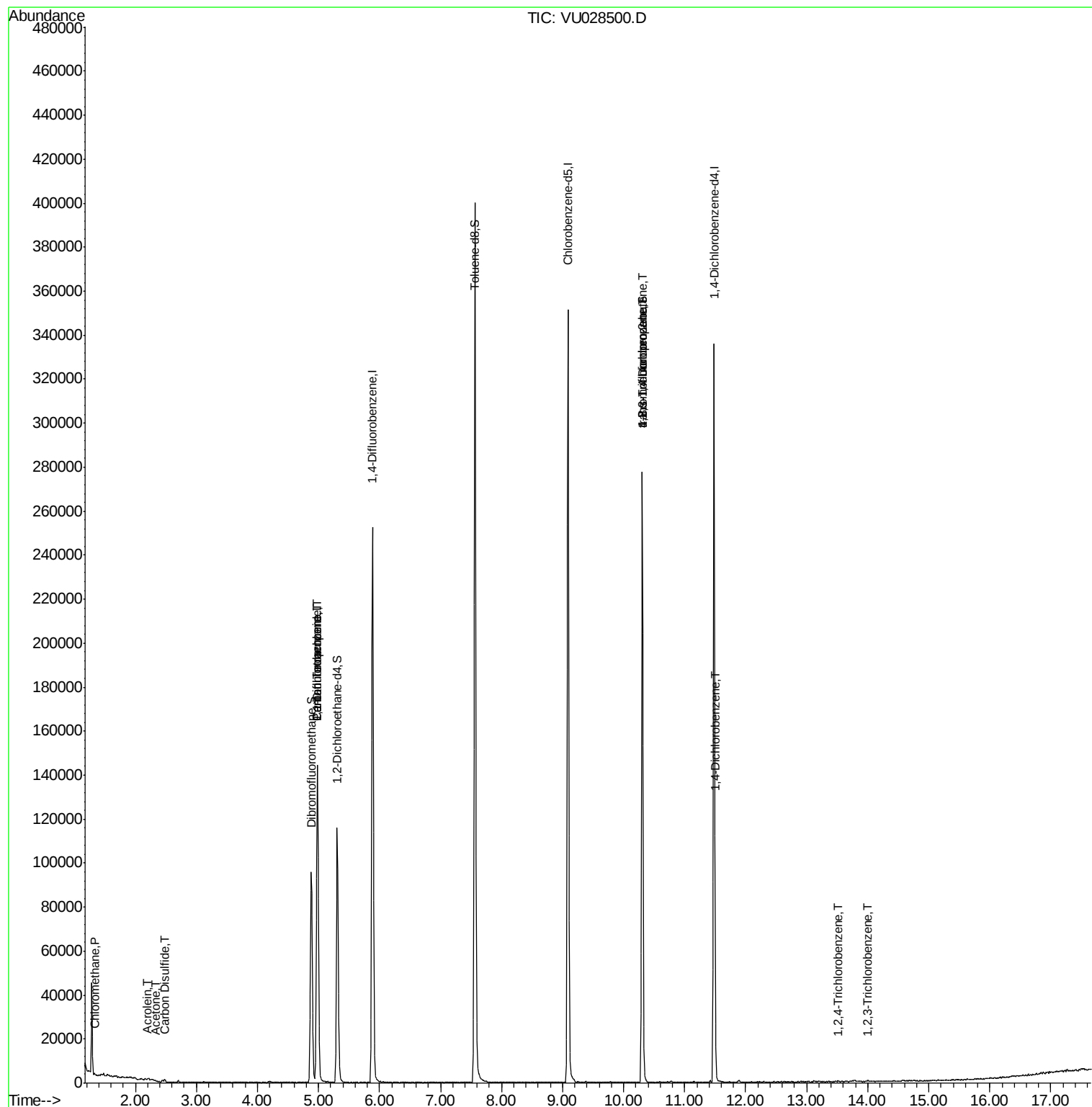
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	706	0.267	ug/l	94
13) Acrolein	2.20	56	77	0.264	ug/l	83
16) Acetone	2.32	43	612	0.572	ug/l #	44
17) Carbon Disulfide	2.48	76	1572	0.365	ug/l #	93
31) Cyclohexane	4.98	56	2440	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	9699	4.333	ug/l #	50
38) Carbon Tetrachloride	4.99	117	10676	5.918	ug/l #	15
76) 1,2,3-Trichloropropane	10.30	75	48363	22.856	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	48363	56.131	ug/l #	100
88) 1,4-Dichlorobenzene	11.51	146	632	0.218	ug/l #	66
93) 1,2,4-Trichlorobenzene	13.52	180	216	0.954	ug/l #	83
96) 1,2,3-Trichlorobenzene	14.00	180	267	0.285	ug/l #	60

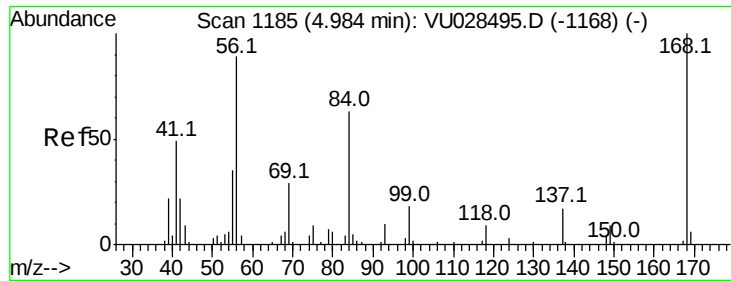
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028500.D

Acq: 06 Dec 2018 15:03

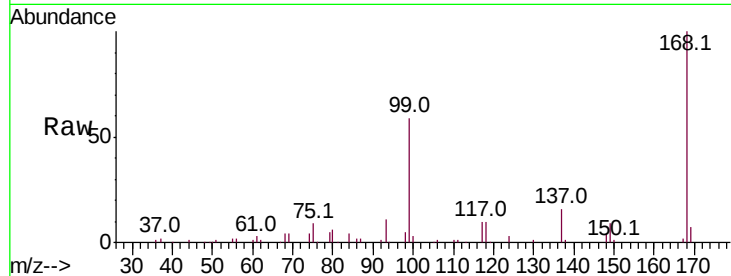
Instrument :
MSVOA_U
ClientSampleId :
BP-TB02-20181204

Tot Ion:168 Resp: 107464

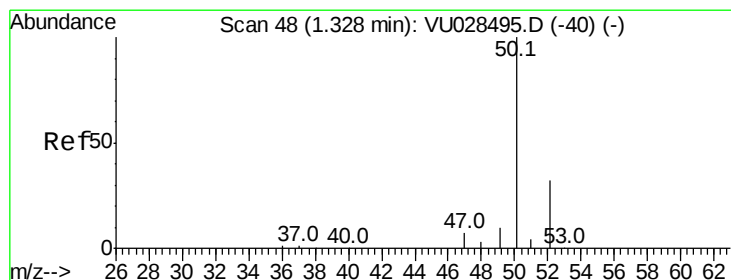
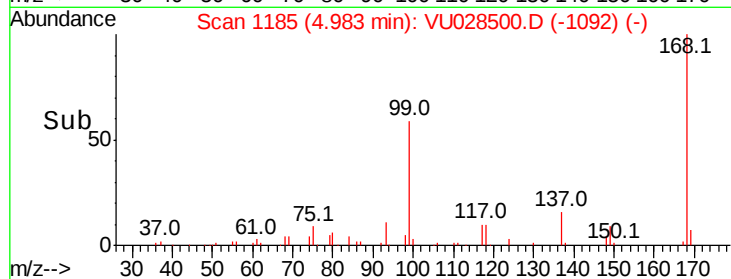
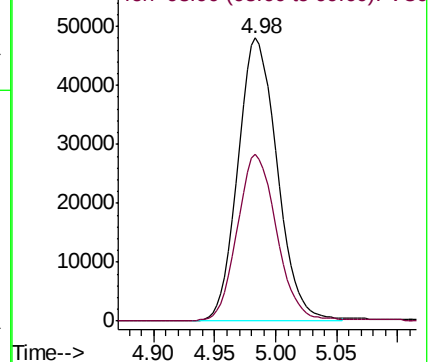
Ion Ratio Lower Upper

168 100

99 58.9 46.6 69.8



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



#3

Chloromethane

Concen: 0.267 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU028500.D

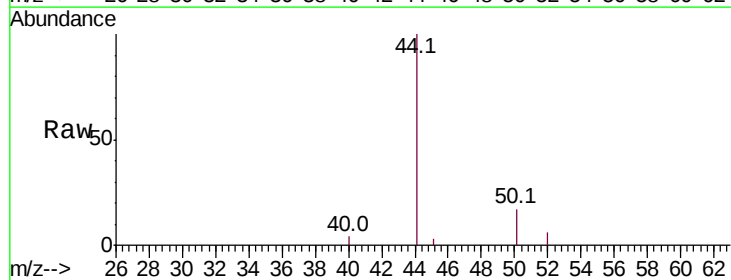
Acq: 06 Dec 2018 15:03

Tgt Ion: 50 Resp: 706

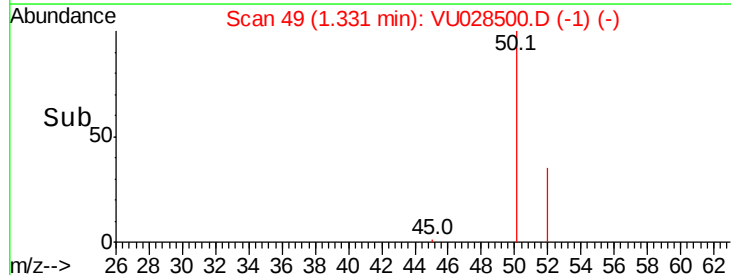
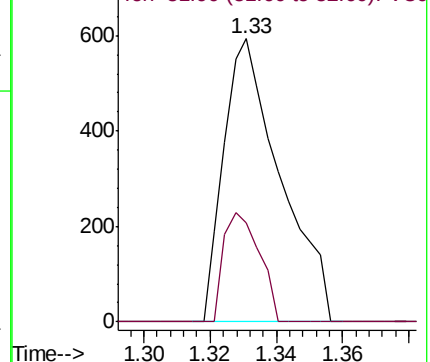
Ion Ratio Lower Upper

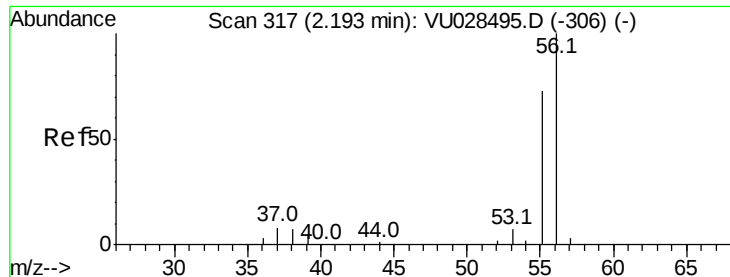
50 100

52 35.1 25.5 38.3



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





#13

Acrolein

Concen: 0.264 ug/l

RT: 2.20 min Scan# 319

Delta R.T. 0.01 min

Lab File: VU028500.D

Acq: 06 Dec 2018 15:03

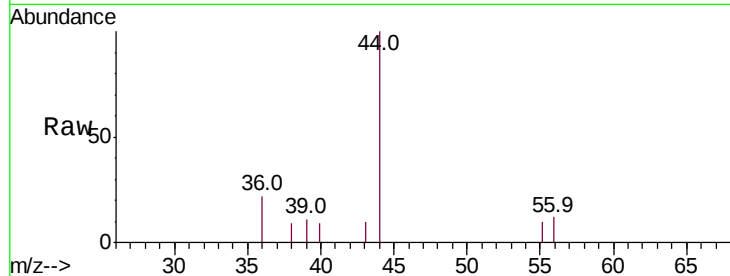
Instrument :
MSVOA_U
ClientSampleId :
BP-TB02-20181204

Tot Ion: 56 Resp: 77

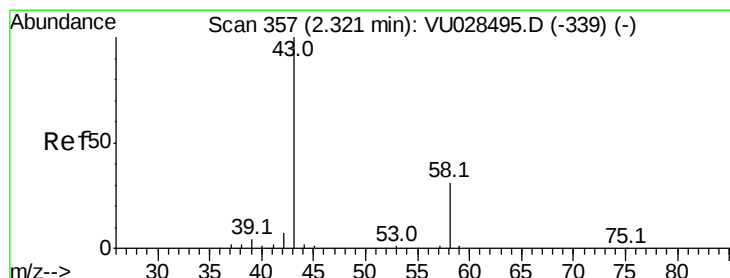
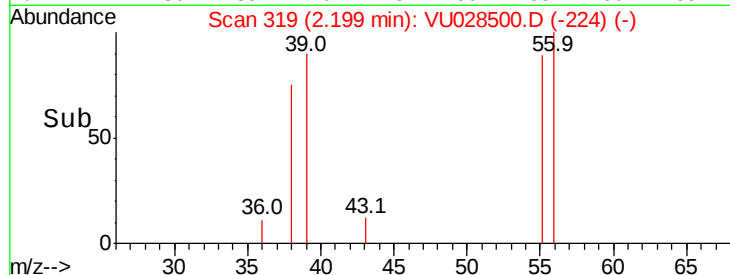
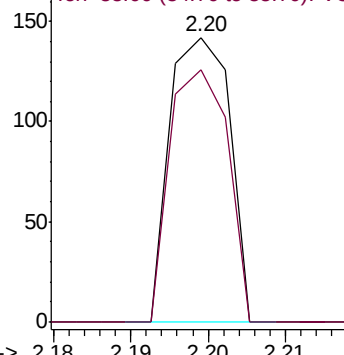
Ion Ratio Lower Upper

56 100

55 85.7 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 55.00 (54.70 to 55.70): VU0



#16

Acetone

Concen: 0.572 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028500.D

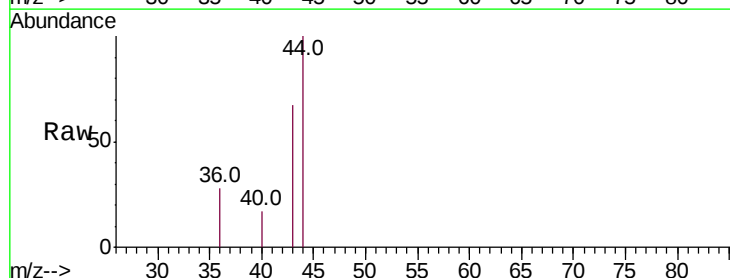
Acq: 06 Dec 2018 15:03

Tgt Ion: 43 Resp: 612

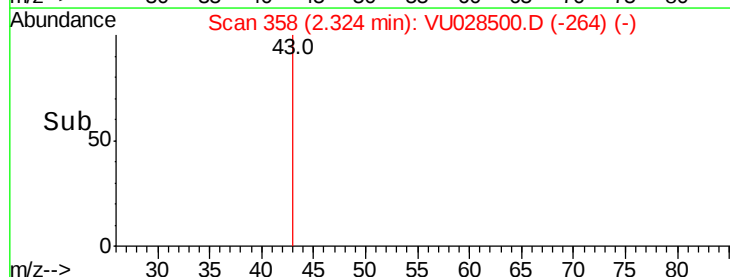
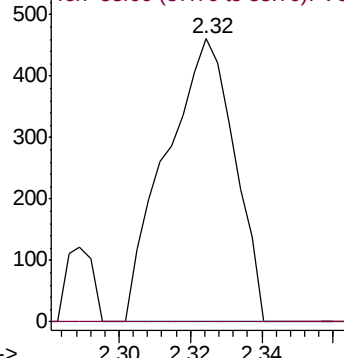
Ion Ratio Lower Upper

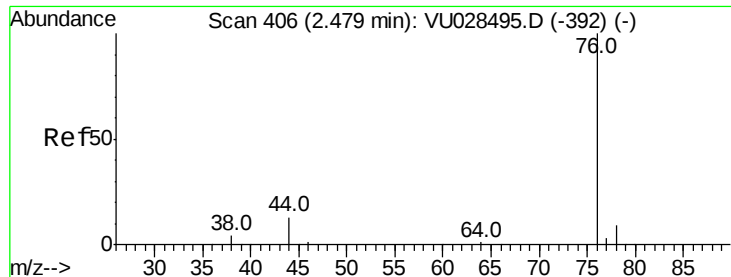
43 100

58 0.0 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

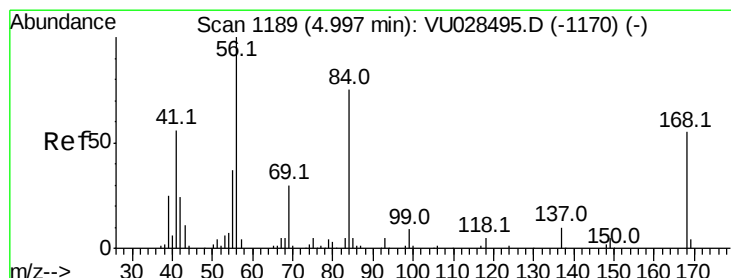
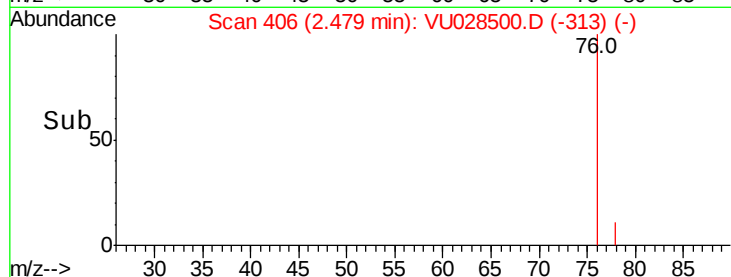
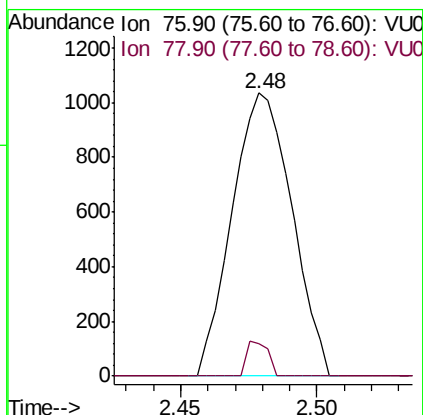
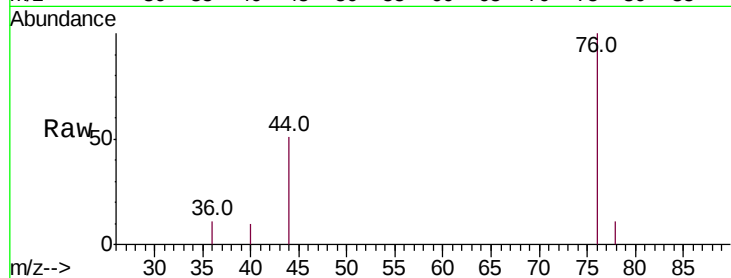




#17
Carbon Disulfide
Concen: 0.365 ug/l
RT: 2.48 min Scan# 406
Delta R.T. -0.00 min
Lab File: VU028500.D
Acq: 06 Dec 2018 15:03

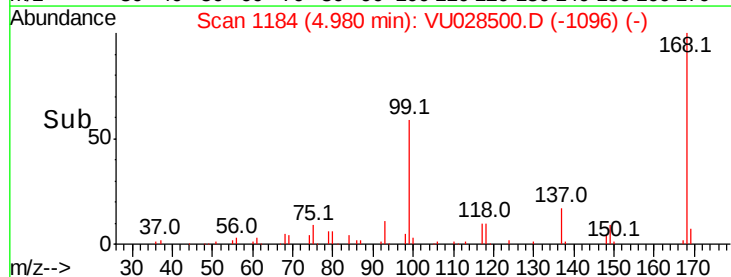
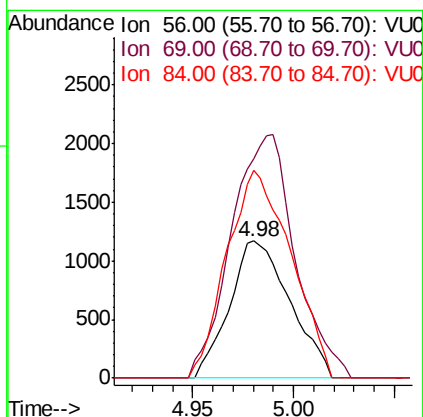
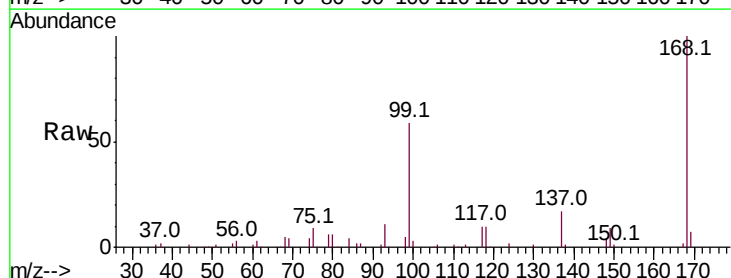
Instrument :
MSVOA_U
ClientSampleId :
BP-TB02-20181204

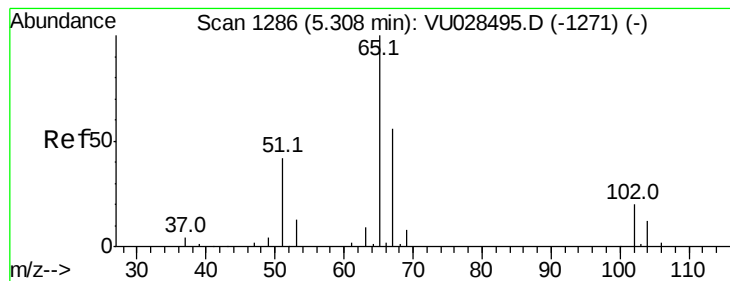
Tot Ion: 76 Resp: 1572
Ion Ratio Lower Upper
76 100
78 11.4 7.2 10.8#



#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VU028500.D
Acq: 06 Dec 2018 15:03

Tgt Ion: 56 Resp: 2440
Ion Ratio Lower Upper
56 100
69 159.8 24.0 36.0#
84 152.1 59.7 89.5#





#33

1,2-Dichloroethane-d4

Concen: 54.297 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028500.D

Acq: 06 Dec 2018 15:03

Instrument :

MSVOA_U

ClientSampleId :

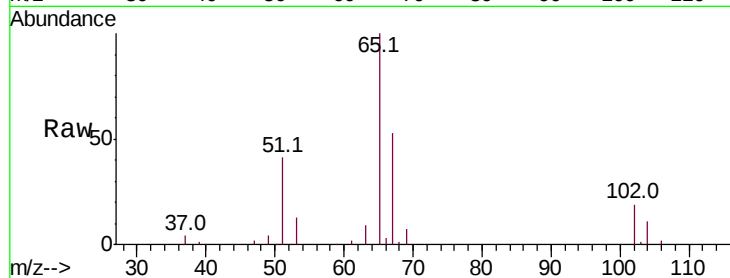
BP-TB02-20181204

Tot Ion: 65 Resp: 89045

Ion Ratio Lower Upper

65 100

67 55.1 0.0 110.6

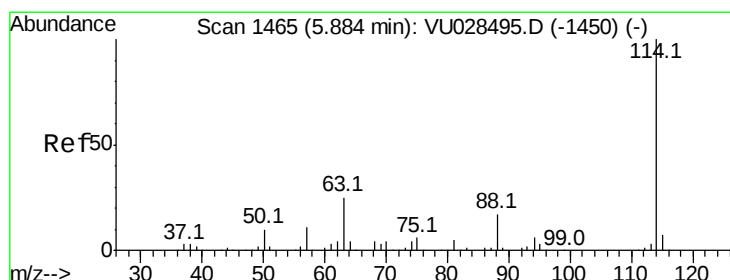
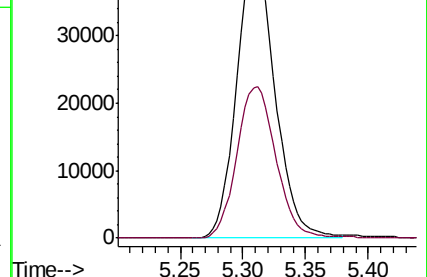
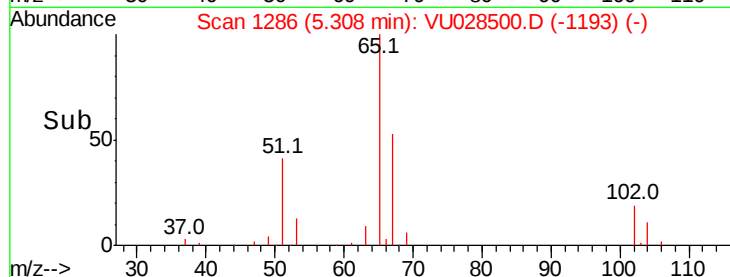


Abundance Ion 64.90 (64.60 to 65.60): VU028495.D (-1271) (-)

Ion 66.90 (66.60 to 67.60): VU028495.D (-1271) (-)

5.31

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028500.D

Acq: 06 Dec 2018 15:03

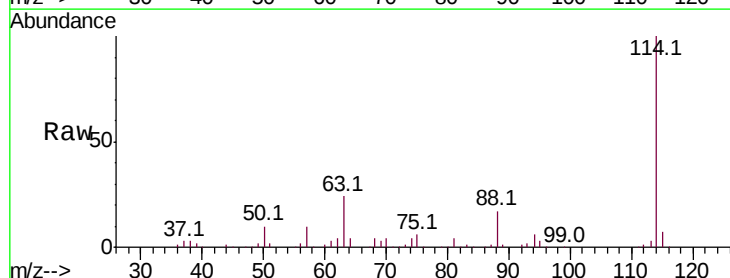
Tgt Ion: 114 Resp: 204548

Ion Ratio Lower Upper

114 100

63 24.5 0.0 49.2

88 16.5 0.0 33.4



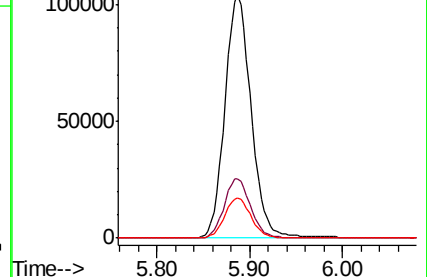
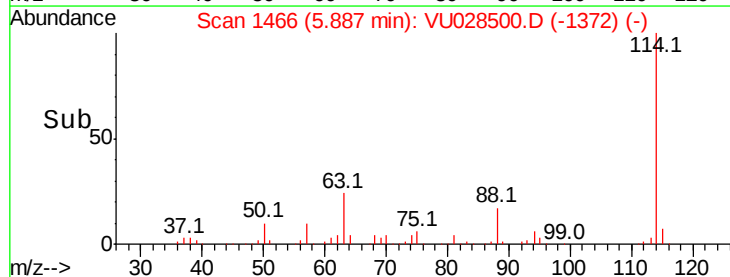
Abundance Ion 113.90 (113.60 to 114.60): VU028495.D (-1450) (-)

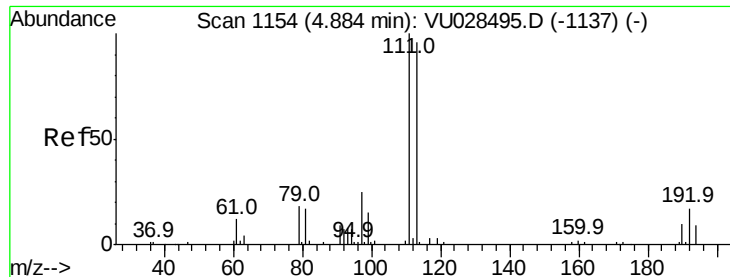
Ion 63.00 (62.70 to 63.70): VU028495.D (-1450) (-)

Ion 87.90 (87.60 to 88.60): VU028495.D (-1450) (-)

5.89

Time-->





#35

Dibromofluoromethane

Concen: 51.877 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU028500.D

Acq: 06 Dec 2018 15:03

Instrument :
MSVOA_U
ClientSampleId :
BP-TB02-20181204

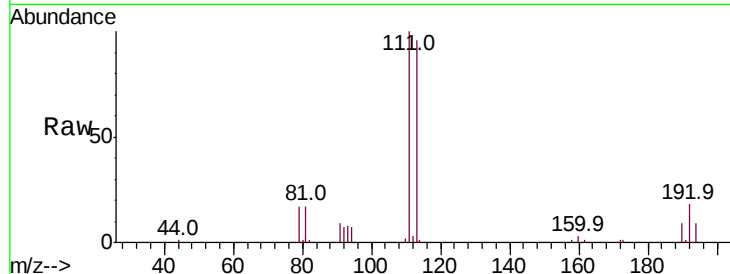
Tot Ion:113 Resp: 66778

Ion Ratio Lower Upper

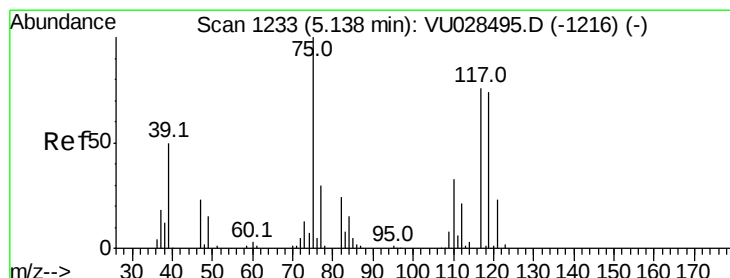
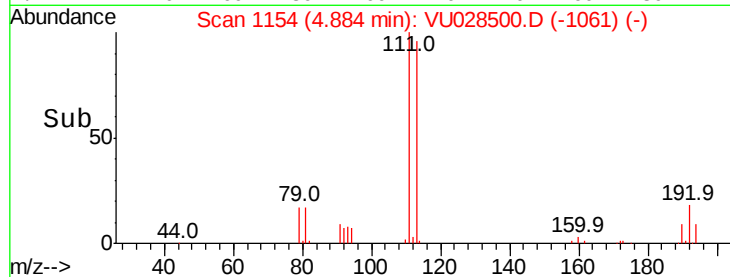
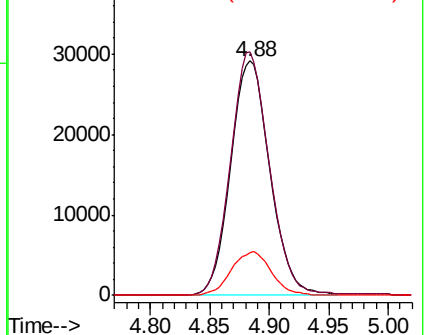
113 100

111 102.8 83.4 125.0

192 18.9 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: 4.333 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028500.D

Acq: 06 Dec 2018 15:03

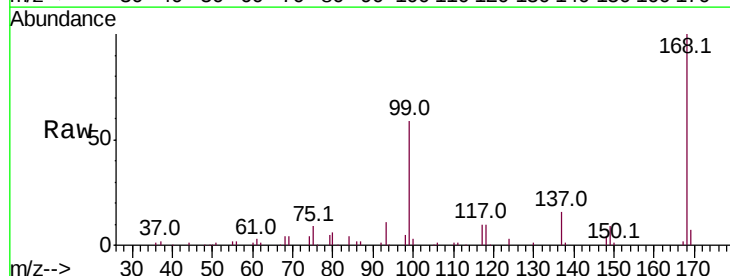
Tgt Ion: 75 Resp: 9699

Ion Ratio Lower Upper

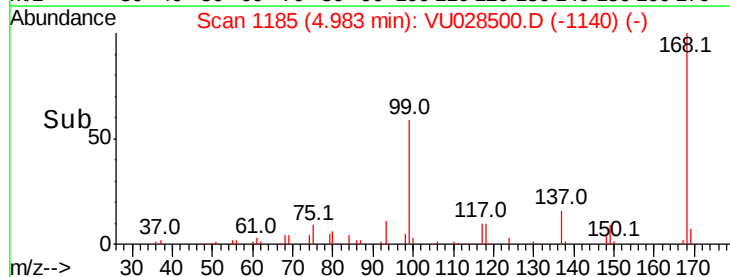
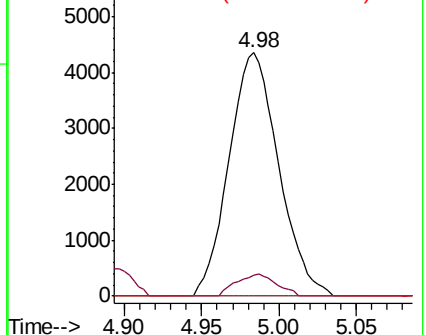
75 100

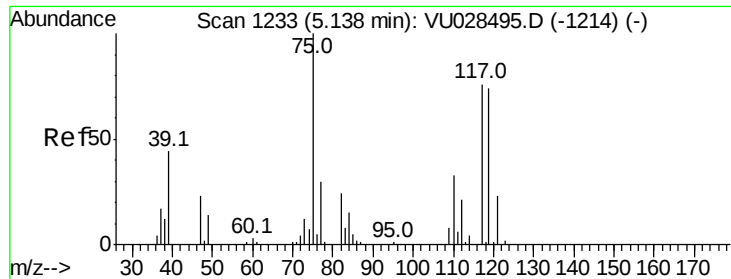
110 7.3 16.1 48.2#

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: 5.918 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU028500.D

Acq: 06 Dec 2018 15:03

Instrument :

MSVOA_U

ClientSampleId :

BP-TB02-20181204

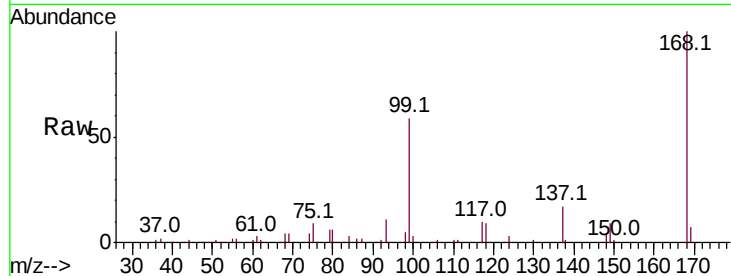
Tot Ion:117 Resp: 10676

Ion Ratio Lower Upper

117 100

119 3.9 77.6 116.4#

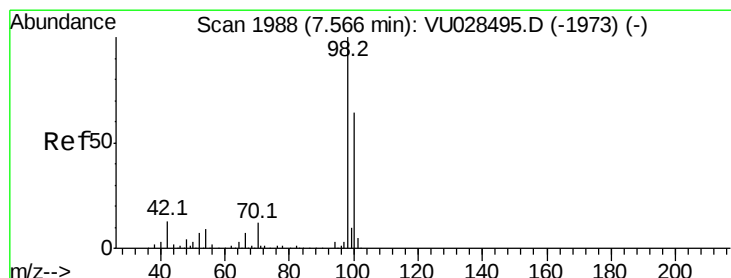
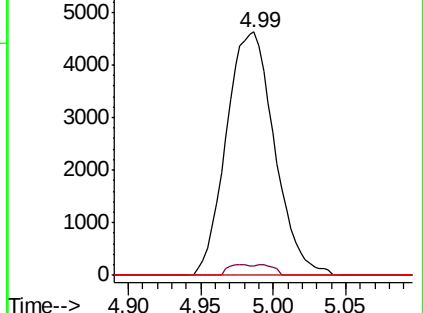
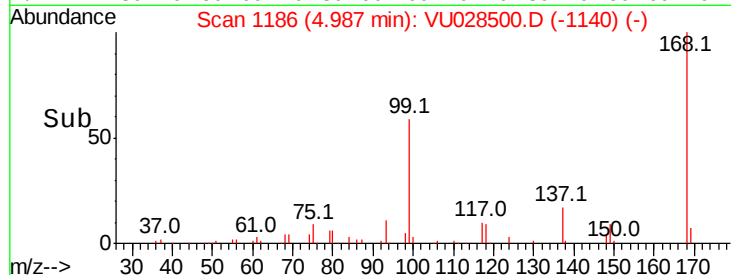
121 0.0 24.6 36.8#



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: 52.367 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028500.D

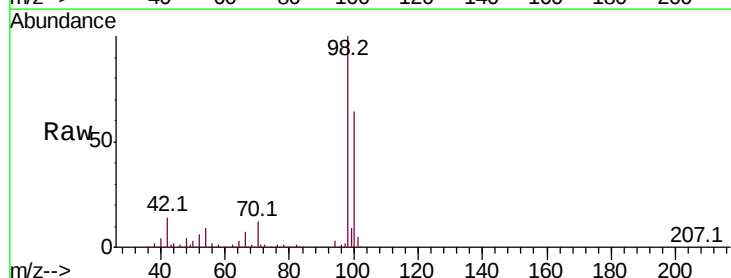
Acq: 06 Dec 2018 15:03

Tgt Ion: 98 Resp: 266659

Ion Ratio Lower Upper

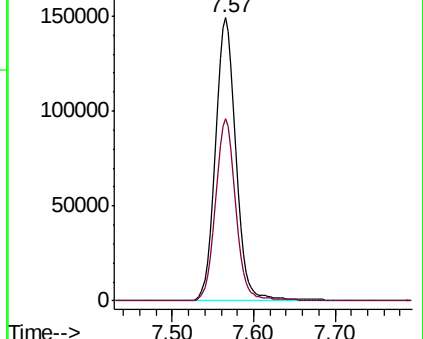
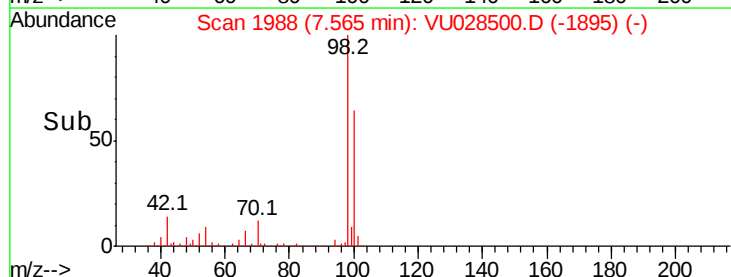
98 100

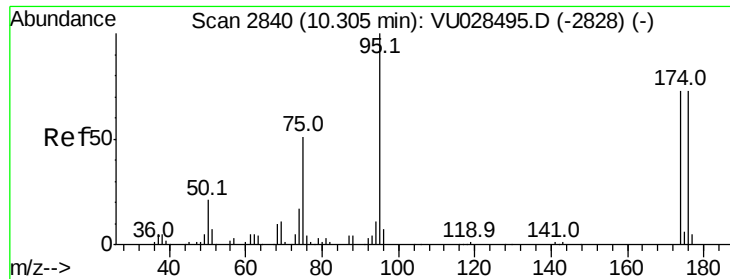
100 63.6 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 48.977 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028500.D

Acq: 06 Dec 2018 15:03

Instrument :

MSVOA_U

ClientSampleId :

BP-TB02-20181204

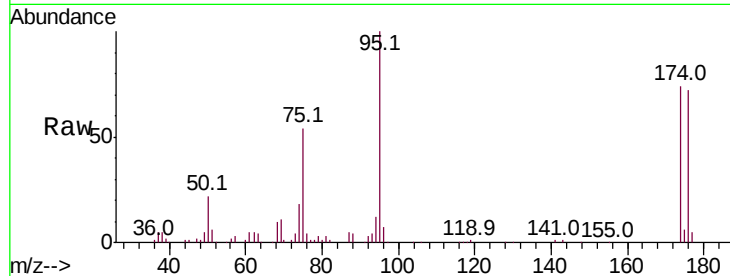
Tot Ion: 95 Resp: 93215

Ion Ratio Lower Upper

95 100

174 74.3 0.0 150.4

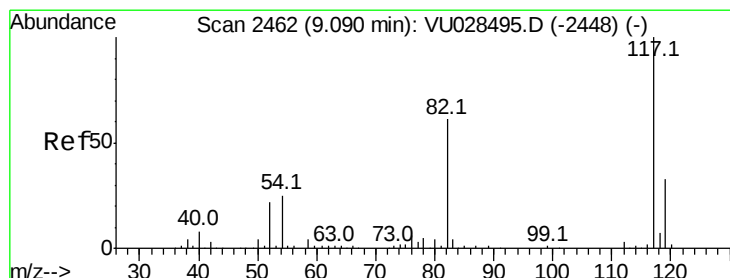
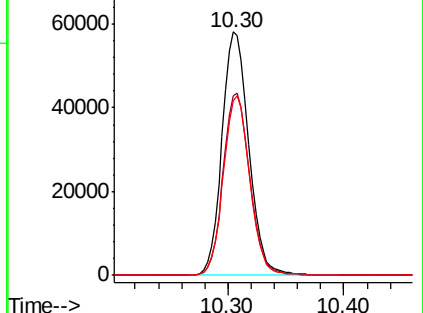
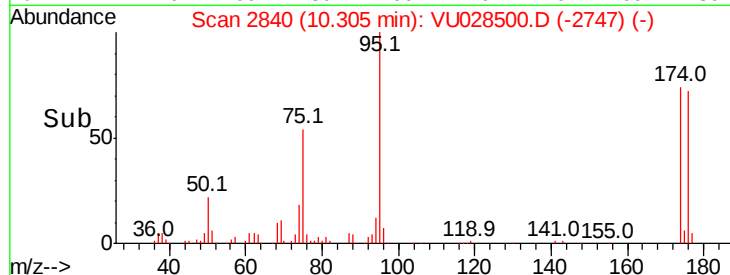
176 72.5 0.0 145.2



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: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU028500.D

Acq: 06 Dec 2018 15:03

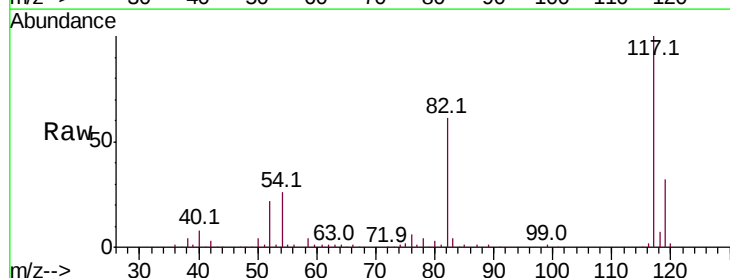
Tgt Ion: 117 Resp: 188824

Ion Ratio Lower Upper

117 100

82 60.8 48.9 73.3

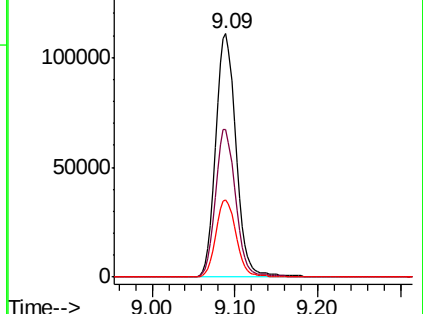
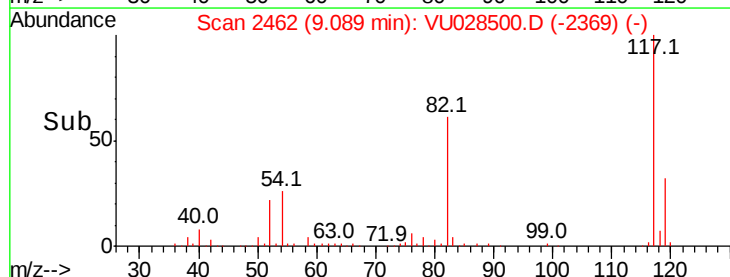
119 32.0 26.2 39.4

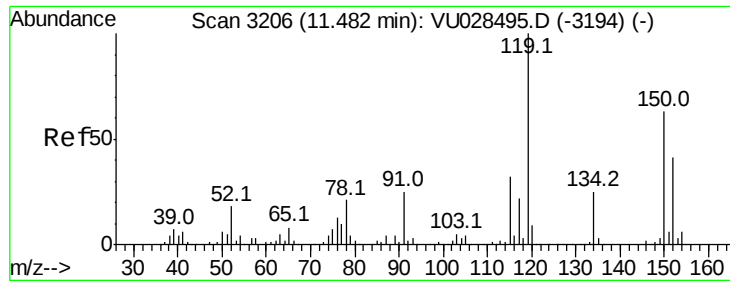


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V



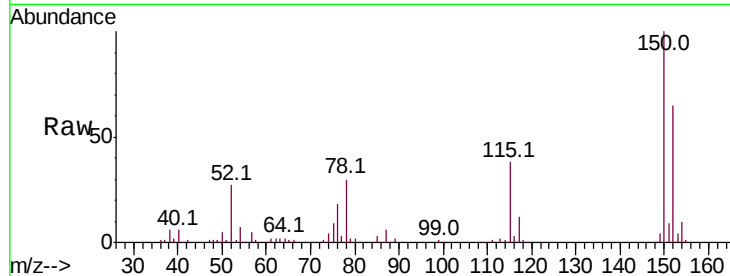


#72

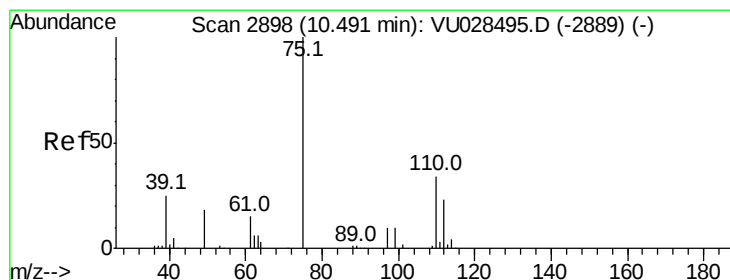
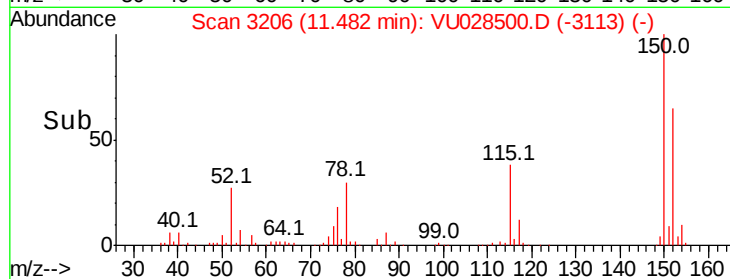
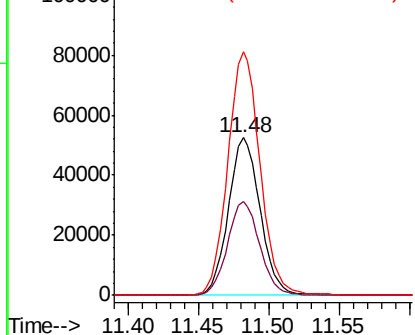
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028500.D
Acq: 06 Dec 2018 15:03

Instrument :
MSVOA_U
ClientSampleId :
BP-TB02-20181204

Tot Ion:152 Resp: 82865
Ion Ratio Lower Upper
152 100
115 60.4 42.7 128.1
150 157.2 0.0 346.0



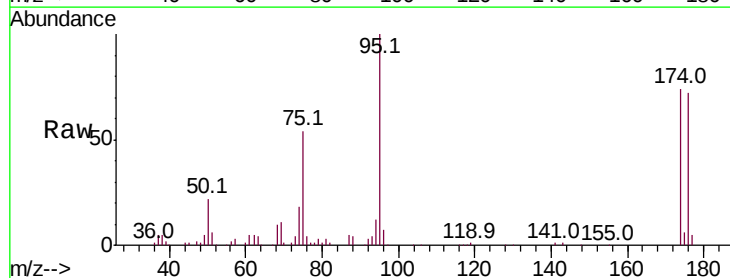
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



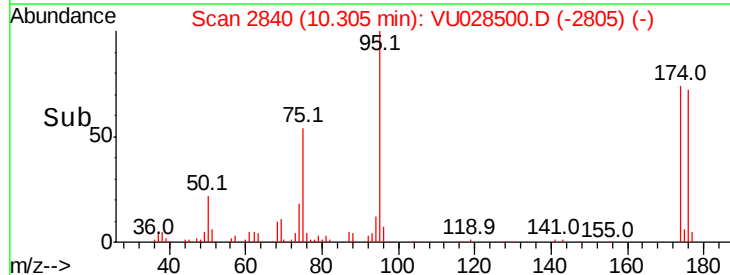
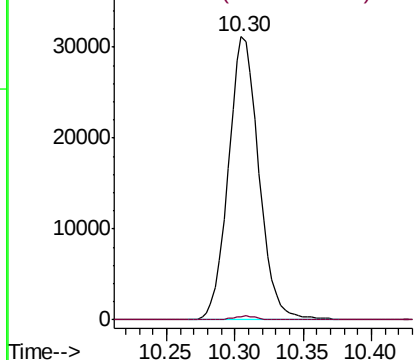
#76

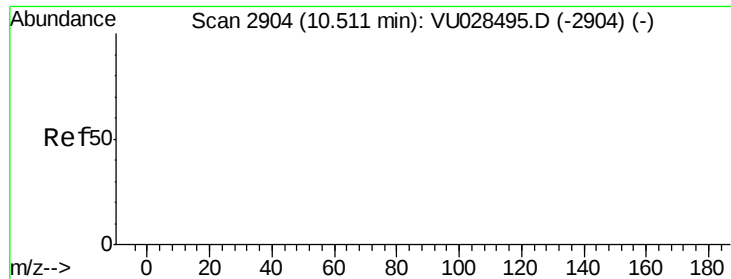
1,2,3-Trichloropropane
Concen: 22.856 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.19 min
Lab File: VU028500.D
Acq: 06 Dec 2018 15:03

Tgt Ion: 75 Resp: 48363
Ion Ratio Lower Upper
75 100
77 1.1 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: 56.131 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028500.D

Acq: 06 Dec 2018 15:03

Instrument :

MSVOA_U

ClientSampleId :

BP-TB02-20181204

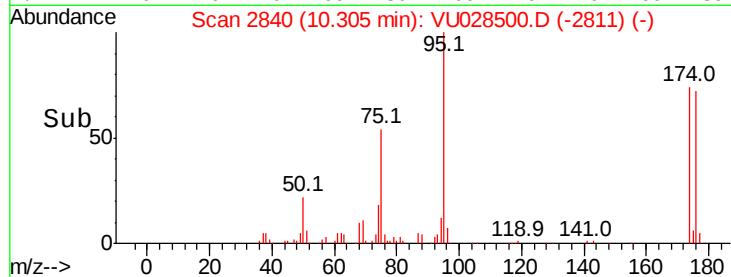
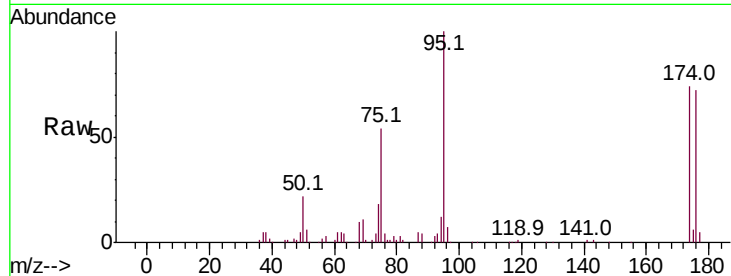
Tot Ion: 75 Resp: 48363

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

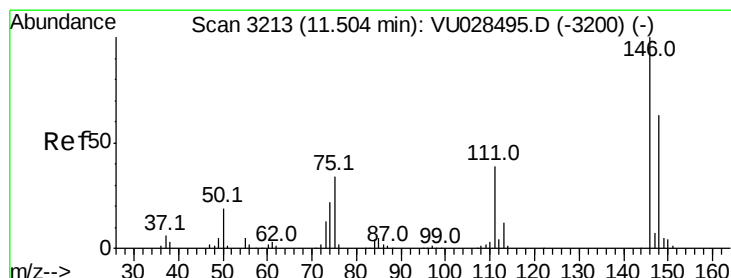
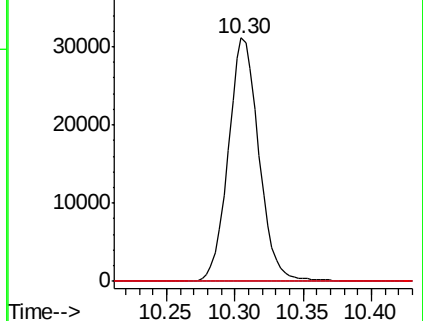
89 0.0 0.0 0.0



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



#88

1,4-Dichlorobenzene

Concen: 0.218 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU028500.D

Acq: 06 Dec 2018 15:03

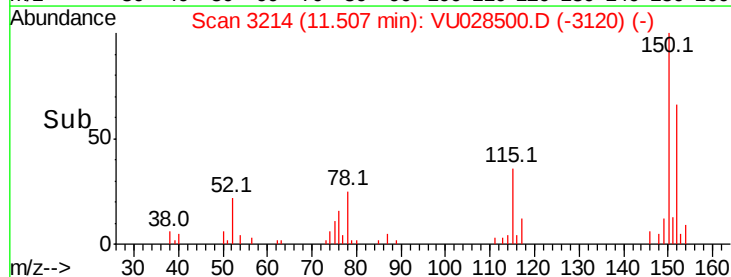
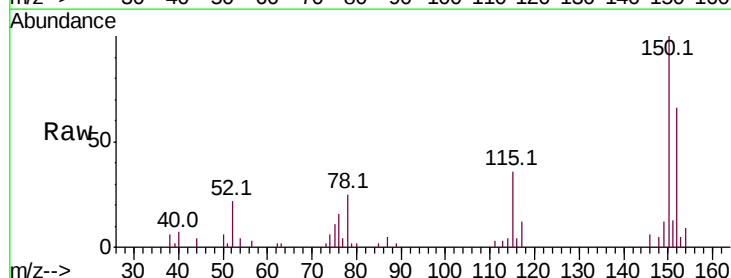
Tgt Ion: 146 Resp: 632

Ion Ratio Lower Upper

146 100

111 0.0 20.2 60.5#

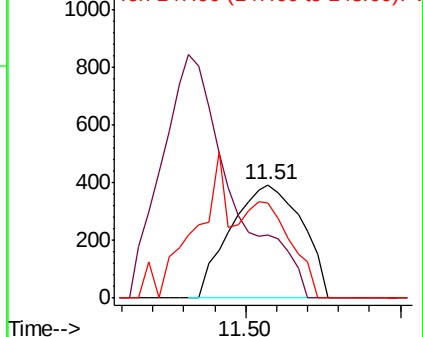
148 52.5 31.6 95.0

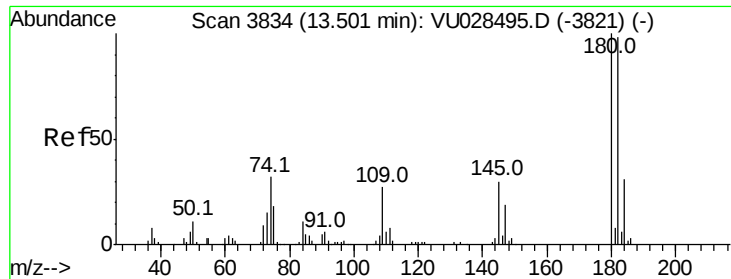


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

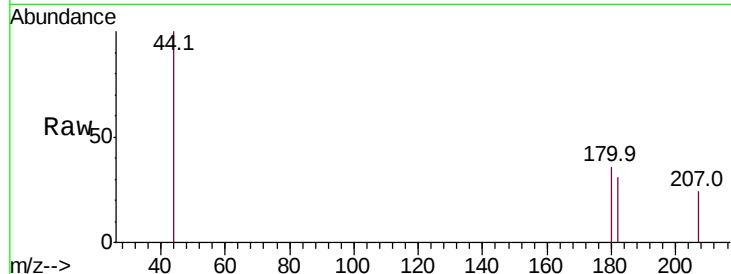




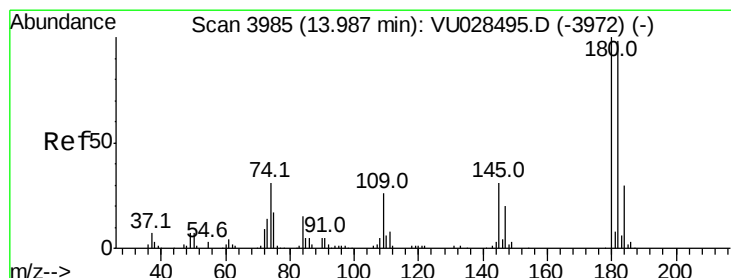
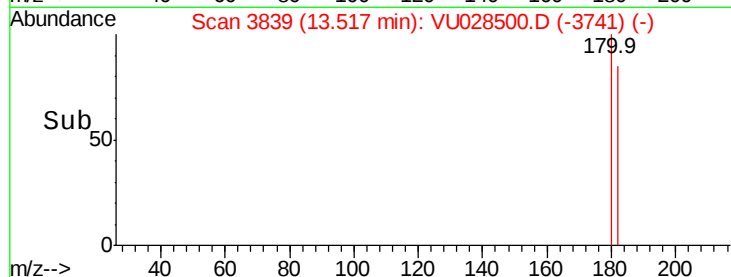
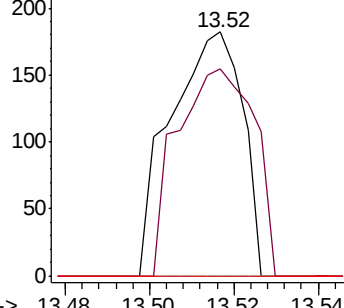
#93
 1,2,4-Trichlorobenzene
 Concen: 0.954 ug/l
 RT: 13.52 min Scan# 3839
 Delta R.T. 0.02 min
 Lab File: VU028500.D
 Acq: 06 Dec 2018 15:03

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TB02-20181204

Tot Ion:180 Resp: 216
 Ion Ratio Lower Upper
 180 100
 182 91.7 47.9 143.8
 145 0.0 15.0 45.1#

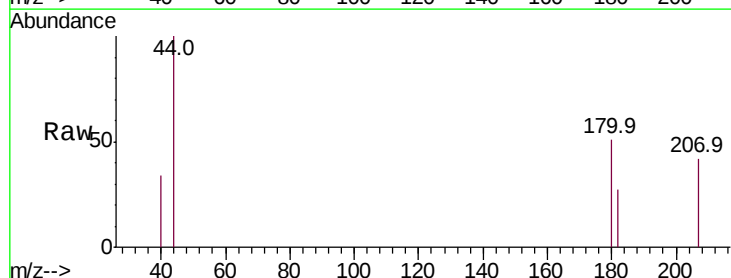


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#96
 1,2,3-Trichlorobenzene
 Concen: 0.285 ug/l
 RT: 14.00 min Scan# 3989
 Delta R.T. 0.01 min
 Lab File: VU028500.D
 Acq: 06 Dec 2018 15:03

Tgt Ion:180 Resp: 267
 Ion Ratio Lower Upper
 180 100
 182 62.5 48.2 144.6
 145 0.0 15.8 47.3#



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

