

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121318\
 Data File : VU028655.D
 Acq On : 12 Dec 2018 16:22
 Operator : MD/SY
 Sample : J6343-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BPS1-TT-MW311S-20181209

Quant Time: Dec 13 00:49:17 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	93606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	170272	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	149133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	57438	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	75053	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	
35) Dibromofluoromethane	4.88	113	55735	52.01	ug/l	0.00
Spiked Amount			Recovery	=	104.02%	
50) Toluene-d8	7.57	98	216310	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
62) 4-Bromofluorobenzene	10.30	95	69396	43.80	ug/l	0.00
Spiked Amount			Recovery	=	87.60%	

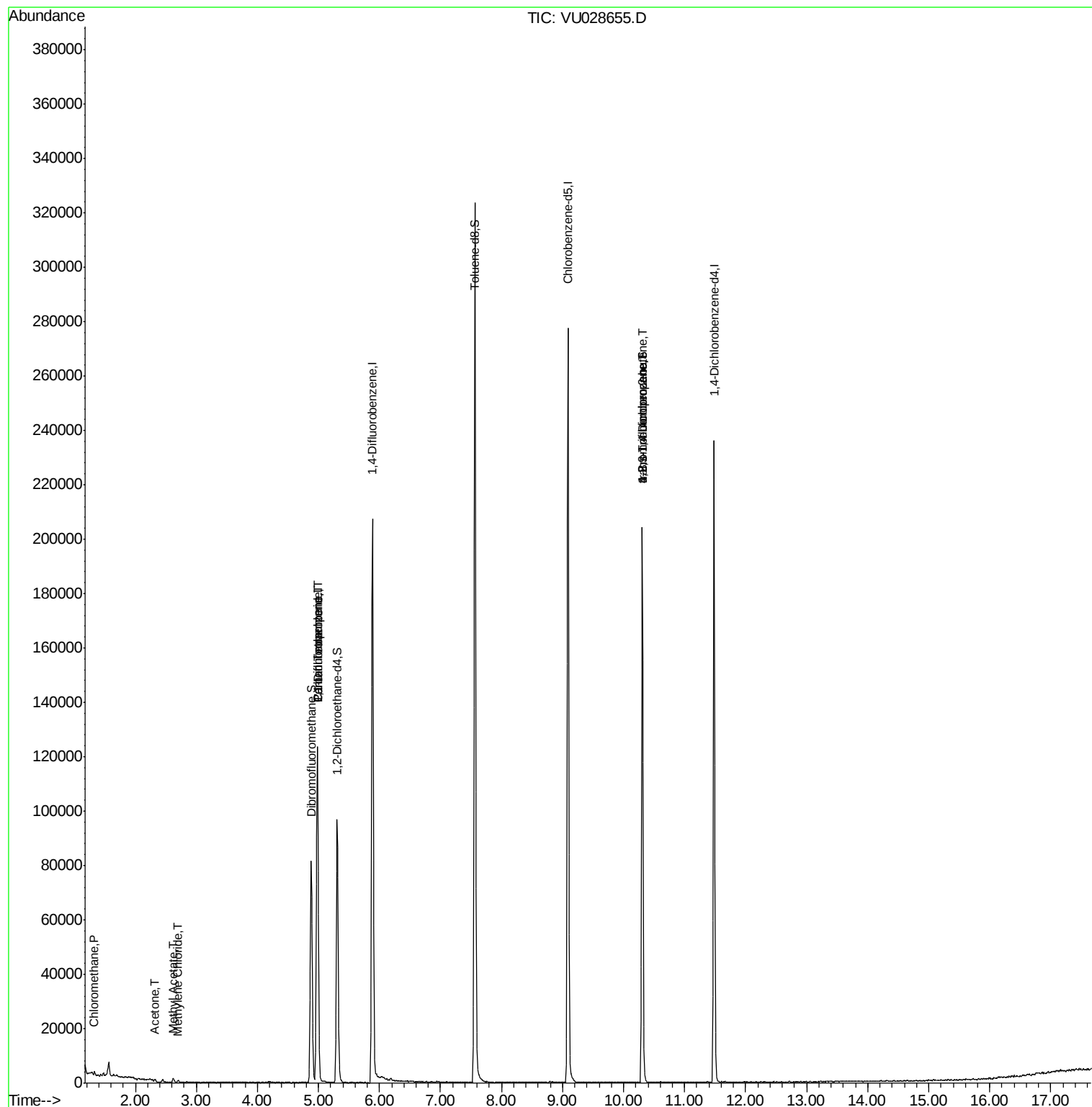
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	968	0.420	ug/l	97
16) Acetone	2.32	43	1310	1.405	ug/l #	81
18) Methyl Acetate	2.62	43	2356	0.975	ug/l	92
20) Methylene Chloride	2.69	84	372	0.271	ug/l #	40
31) Cyclohexane	4.98	56	2074	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8020	4.304	ug/l #	50
38) Carbon Tetrachloride	4.98	117	9351	6.227	ug/l #	15
76) 1,2,3-Trichloropropane	10.31	75	35952	24.512	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	35952	60.160	ug/l #	100

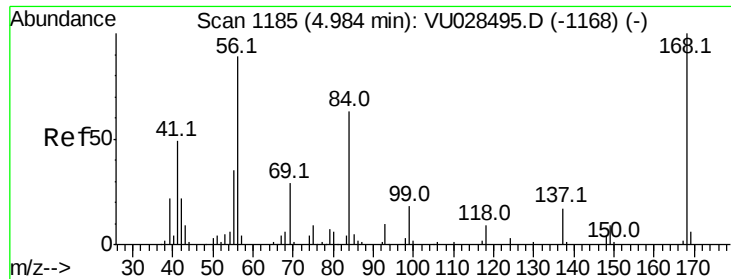
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028655.D

Acq: 12 Dec 2018 16:22

Instrument :

MSVOA_U

ClientSampleId :

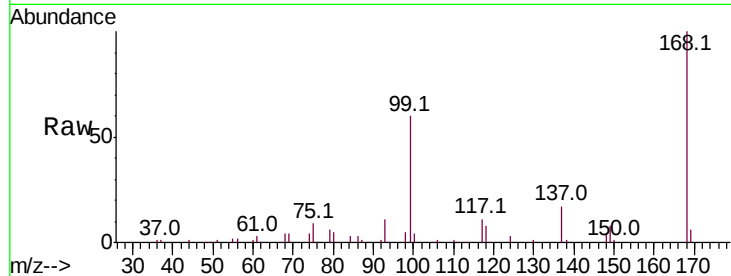
BPS1-TT-MW311S-20181209

Tot Ion:168 Resp: 93606

Ion Ratio Lower Upper

168 100

99 59.6 46.6 69.8



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

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

40000

30000

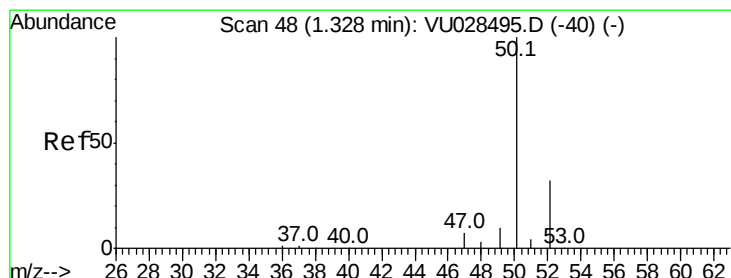
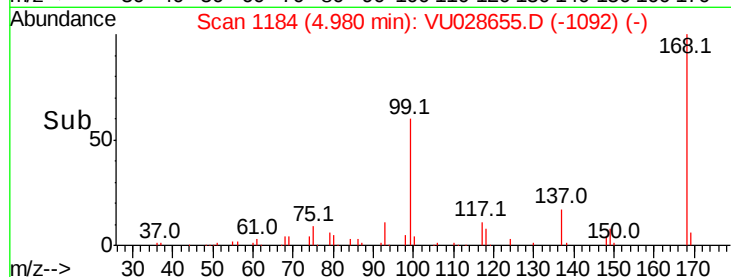
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#3

Chloromethane

Concen: 0.420 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028655.D

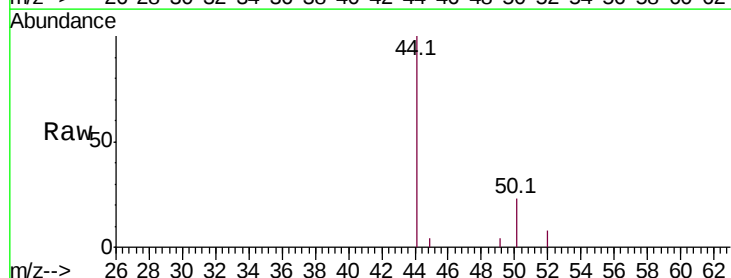
Acq: 12 Dec 2018 16:22

Tgt Ion: 50 Resp: 968

Ion Ratio Lower Upper

50 100

52 33.5 25.5 38.3



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

Ion 51.90 (51.60 to 52.60): VU028495.D (-40) (-)

1.33

800

600

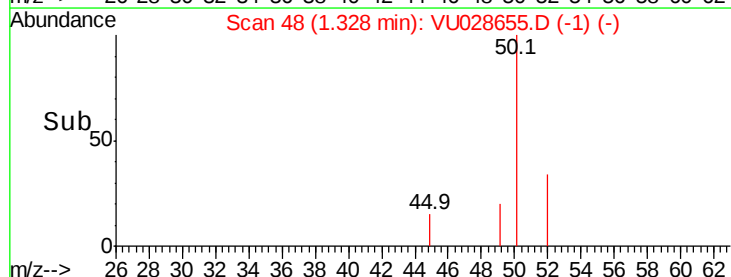
400

200

0

1.30 1.32 1.34 1.36

Time-->





#16

Acetone

Concen: 1.405 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU028655.D

Acq: 12 Dec 2018 16:22

Instrument :

MSVOA_U

ClientSampleId :

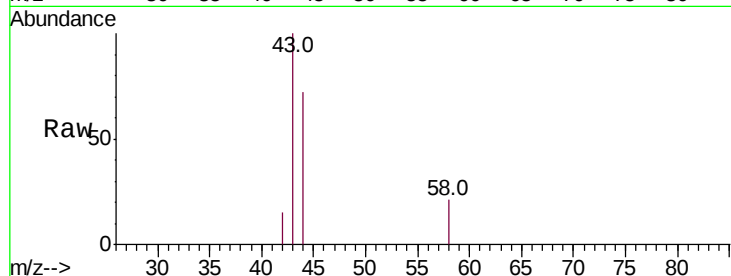
BPS1-TT-MW311S-20181209

Tot Ion: 43 Resp: 1310

Ion Ratio Lower Upper

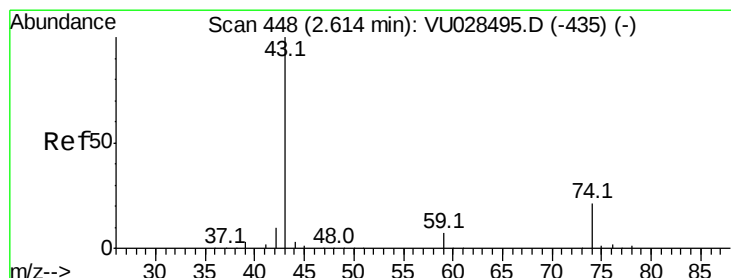
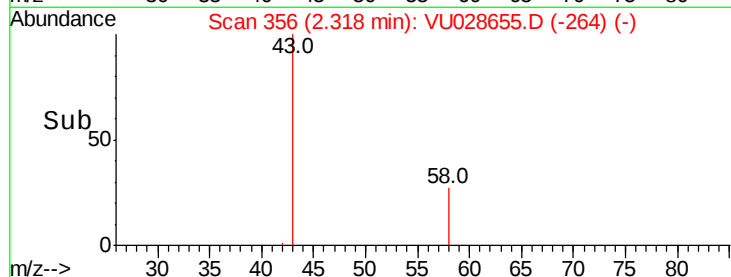
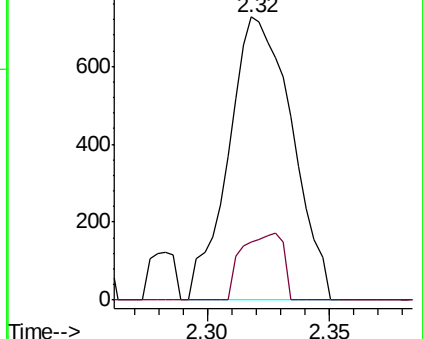
43 100

58 20.6 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 0.975 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU028655.D

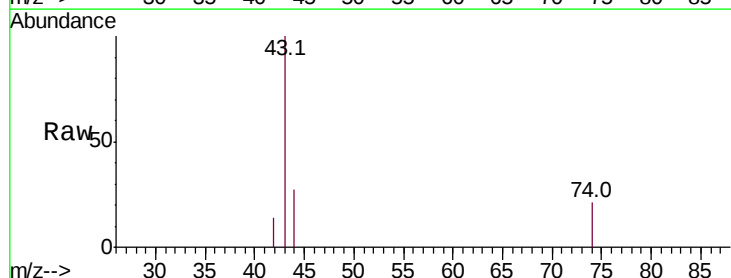
Acq: 12 Dec 2018 16:22

Tgt Ion: 43 Resp: 2356

Ion Ratio Lower Upper

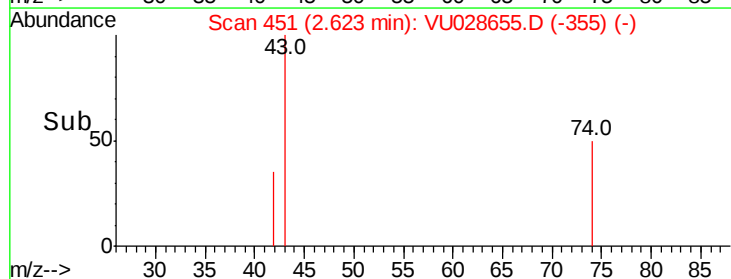
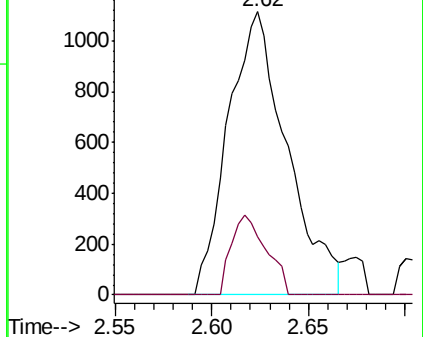
43 100

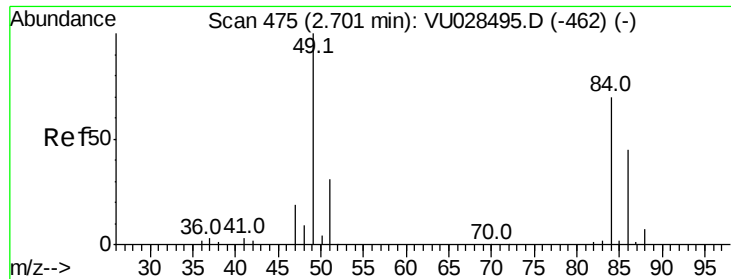
74 16.7 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

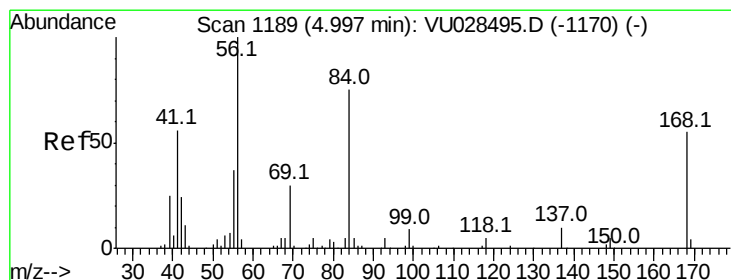
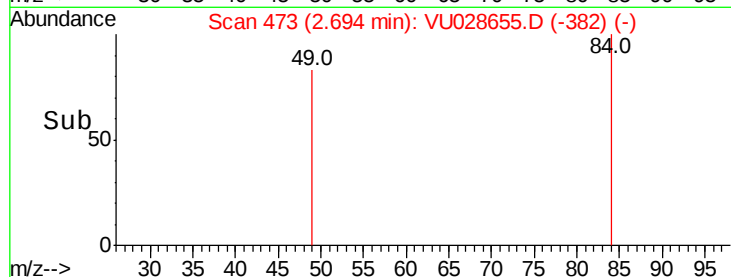
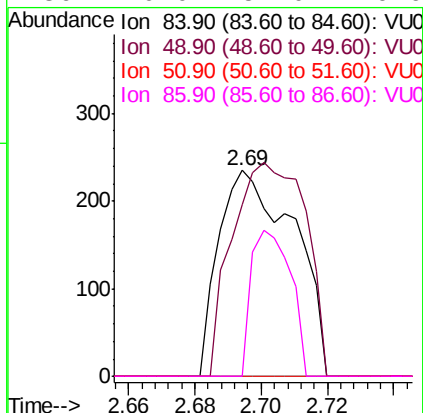
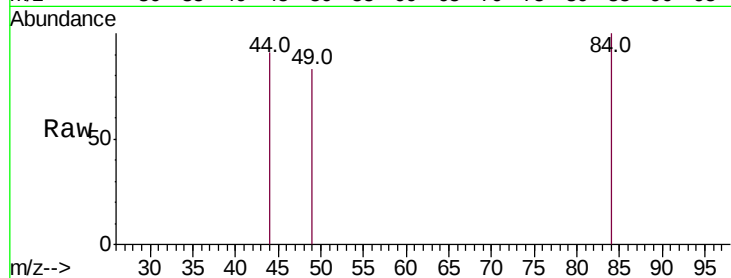




#20
Methvlene Chloride
Concen: 0.271 ug/l
RT: 2.69 min Scan# 473
Delta R.T. -0.01 min
Lab File: VU028655.D
Acq: 12 Dec 2018 16:22

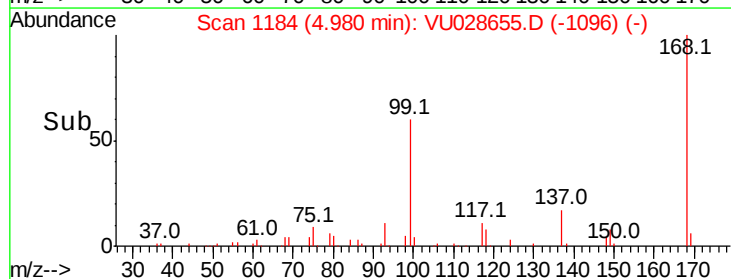
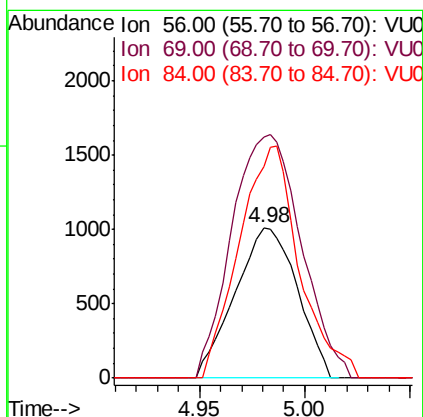
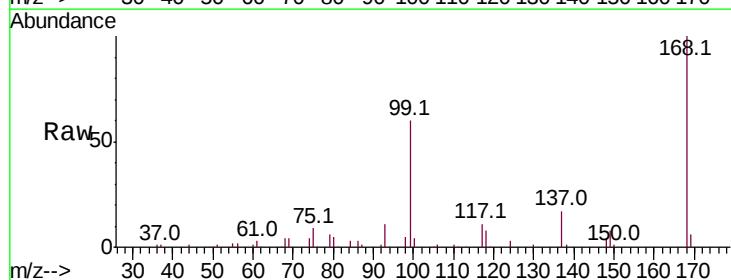
Instrument :
MSVOA_U
ClientSampleId :
BPS1-TT-MW311S-20181209

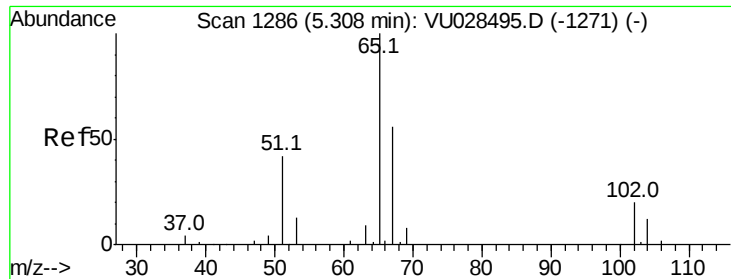
Tot Ion: 84 Resp: 372
Ion Ratio Lower Upper
84 100
49 83.4 114.0 171.0#
51 0.0 35.1 52.7#
86 0.0 51.0 76.6#



#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VU028655.D
Acq: 12 Dec 2018 16:22

Tgt Ion: 56 Resp: 2074
Ion Ratio Lower Upper
56 100
69 160.5 24.0 36.0#
84 140.9 59.7 89.5#

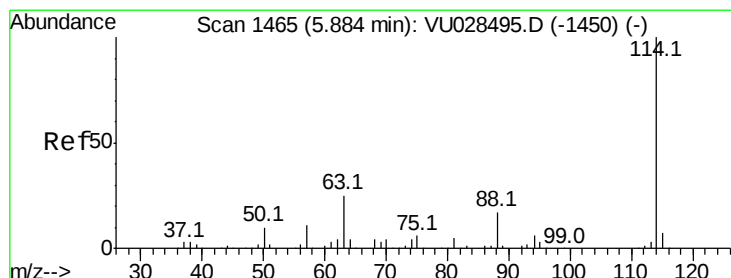
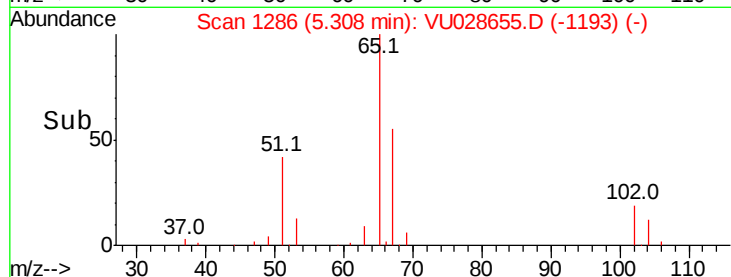
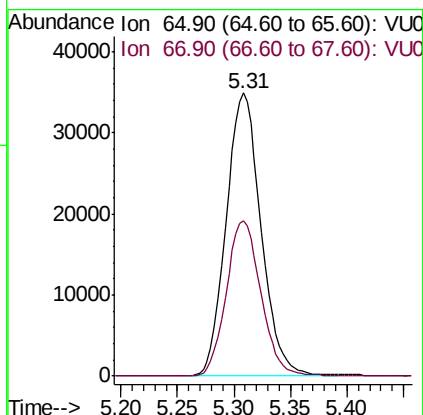
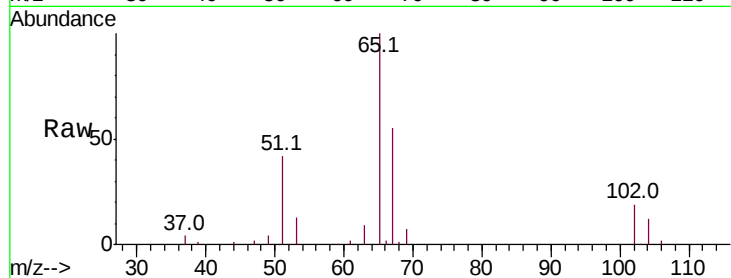




#33
 1,2-Dichloroethane-d4
 Concen: 52.540 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028655.D
 Acq: 12 Dec 2018 16:22

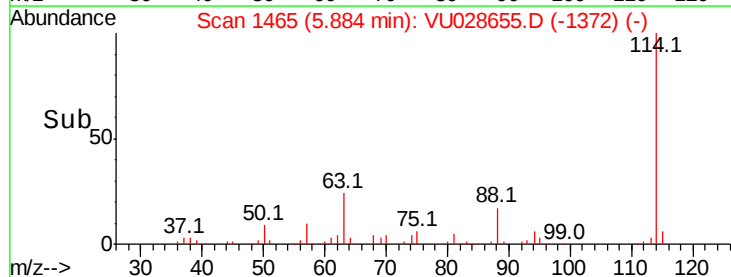
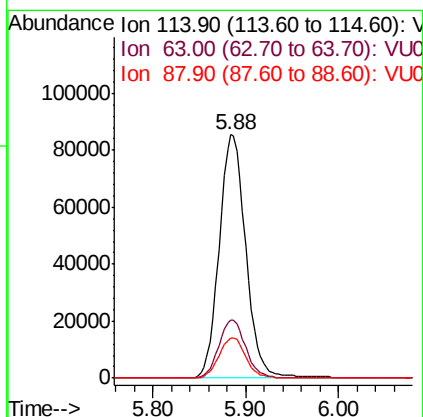
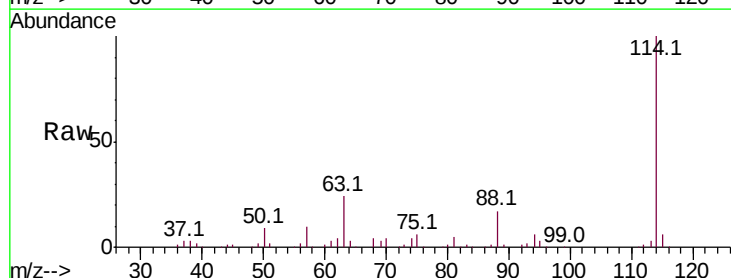
Instrument :
 MSVOA_U
 ClientSampleId :
 BPS1-TT-MW311S-20181209

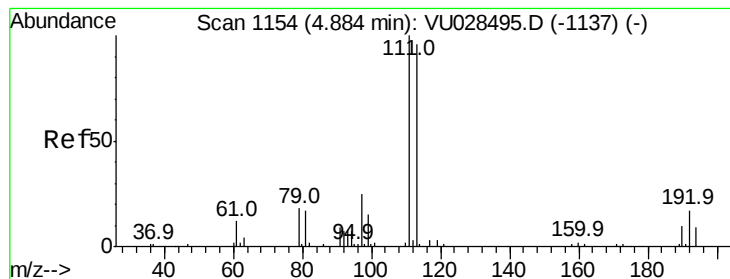
Tot Ion: 65 Resp: 75053
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028655.D
 Acq: 12 Dec 2018 16:22

Tgt Ion: 114 Resp: 170272
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 49.2
 88 16.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 52.014 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028655.D

Acq: 12 Dec 2018 16:22

Instrument :

MSVOA_U

ClientSampleId :

BPS1-TT-MW311S-20181209

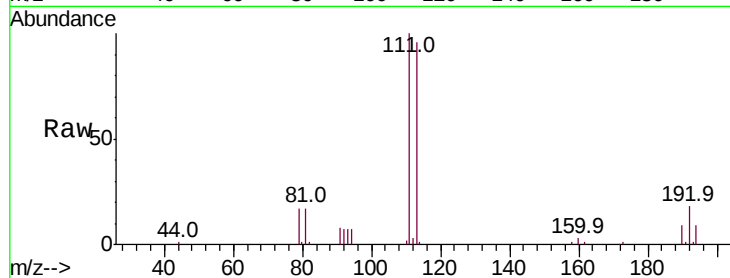
Tot Ion:113 Resp: 55735

Ion Ratio Lower Upper

113 100

111 105.0 83.4 125.0

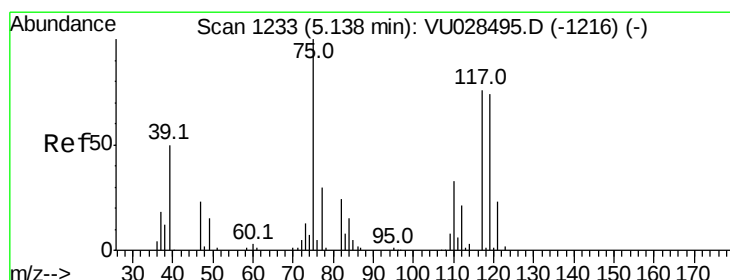
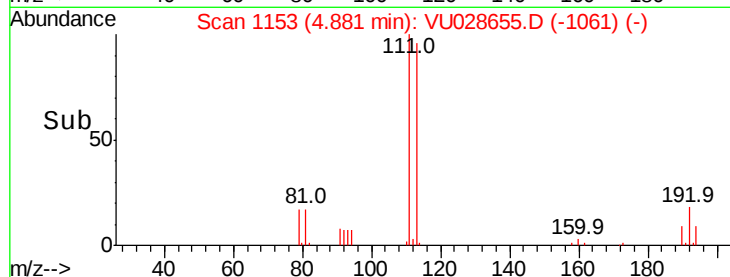
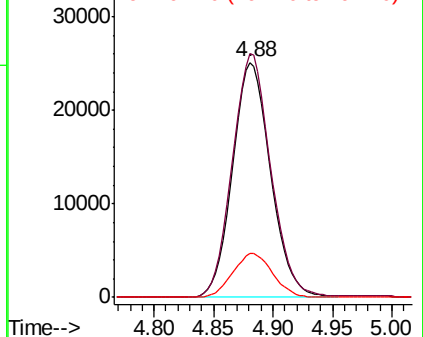
192 19.4 14.8 22.2



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: 4.304 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028655.D

Acq: 12 Dec 2018 16:22

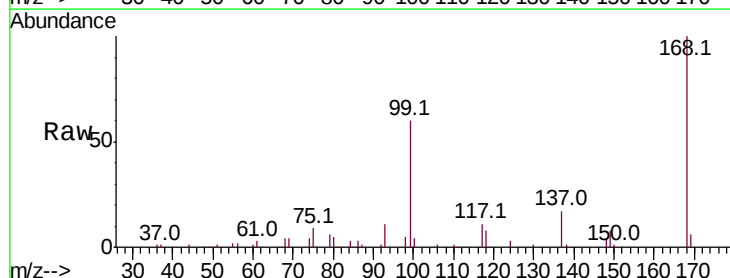
Tgt Ion: 75 Resp: 8020

Ion Ratio Lower Upper

75 100

110 7.0 16.1 48.2#

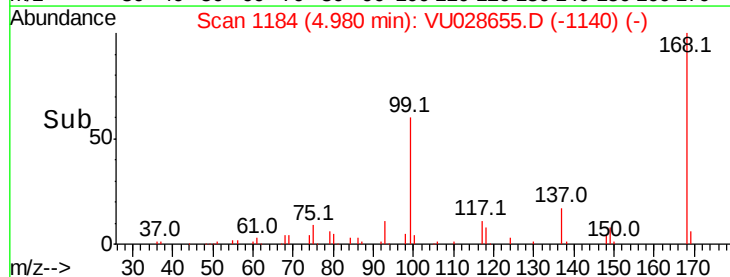
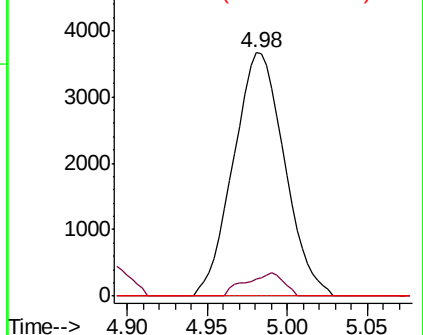
77 0.0 24.5 36.7#

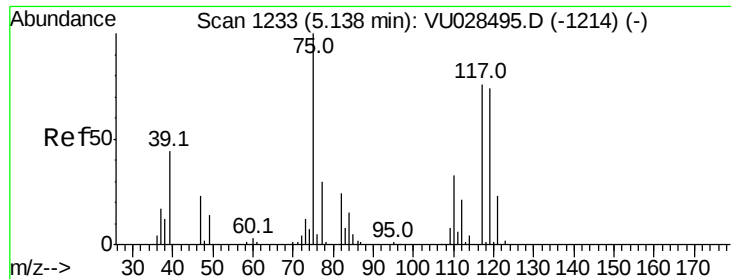


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 6.227 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028655.D

Acq: 12 Dec 2018 16:22

Instrument :

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ClientSampleId :

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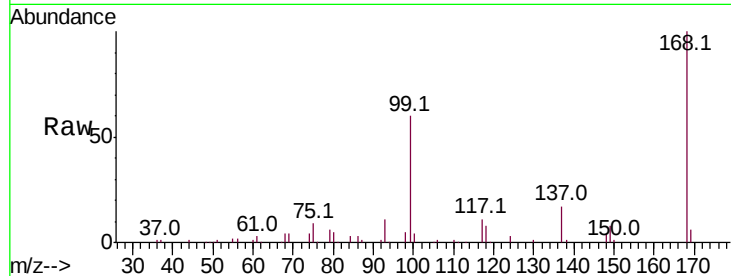
Tot Ion:117 Resp: 9351

Ion Ratio Lower Upper

117 100

119 4.4 77.6 116.4#

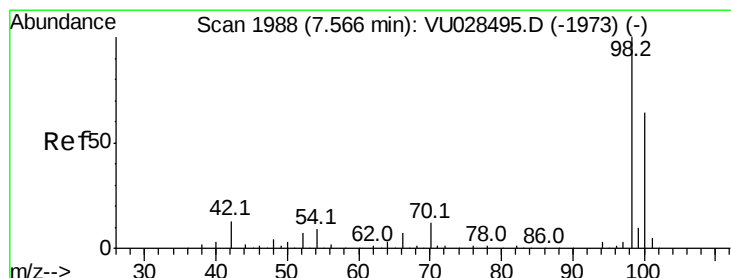
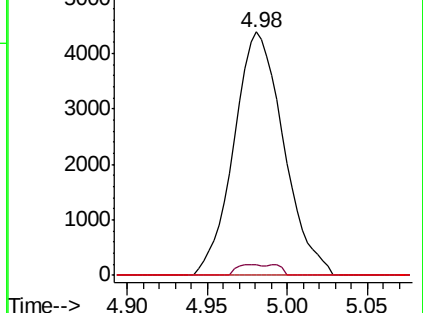
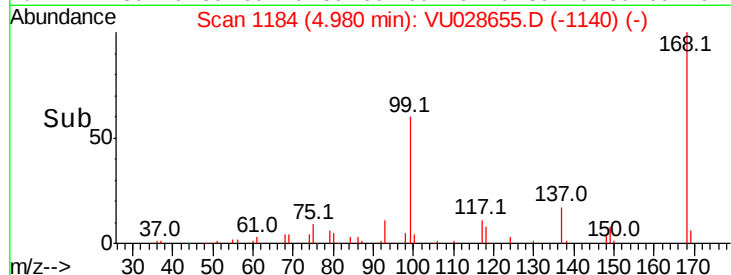
121 0.0 24.6 36.8#



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: 51.031 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028655.D

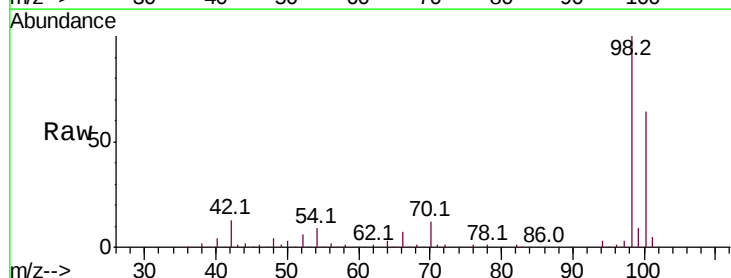
Acq: 12 Dec 2018 16:22

Tgt Ion: 98 Resp: 216310

Ion Ratio Lower Upper

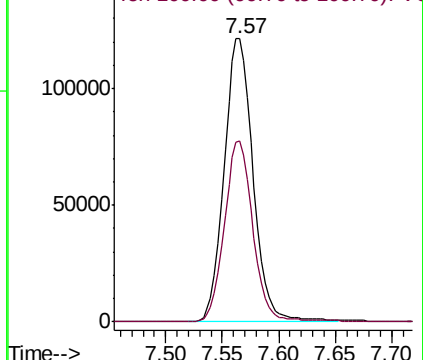
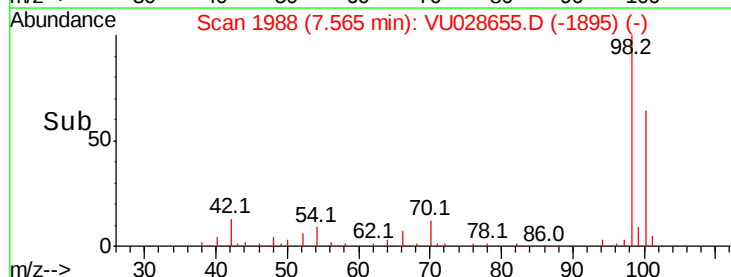
98 100

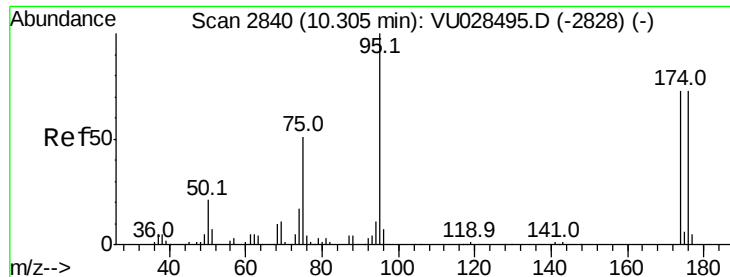
100 63.0 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 43.802 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028655.D

Acq: 12 Dec 2018 16:22

Instrument :

MSVOA_U

ClientSampleId :

BPS1-TT-MW311S-20181209

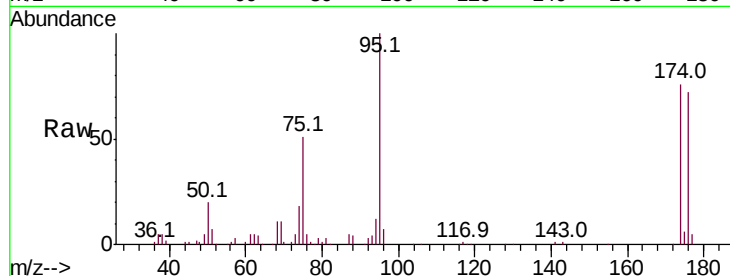
Tot Ion: 95 Resp: 69396

Ion Ratio Lower Upper

95 100

174 76.7 0.0 150.4

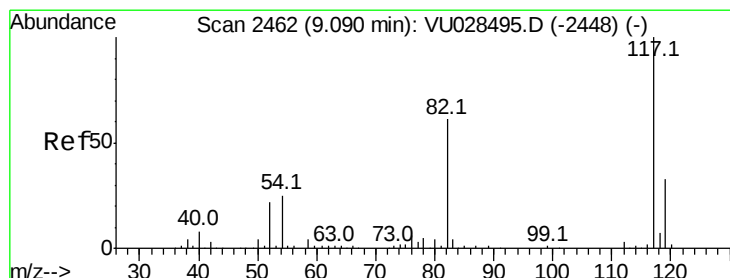
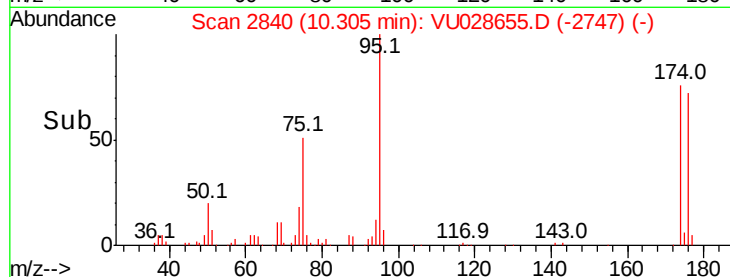
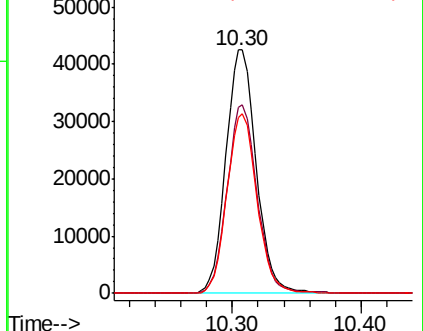
176 73.1 0.0 145.2



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: VU028655.D

Acq: 12 Dec 2018 16:22

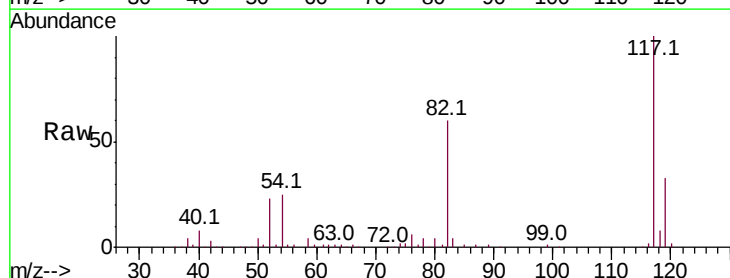
Tgt Ion: 117 Resp: 149133

Ion Ratio Lower Upper

117 100

82 60.4 48.9 73.3

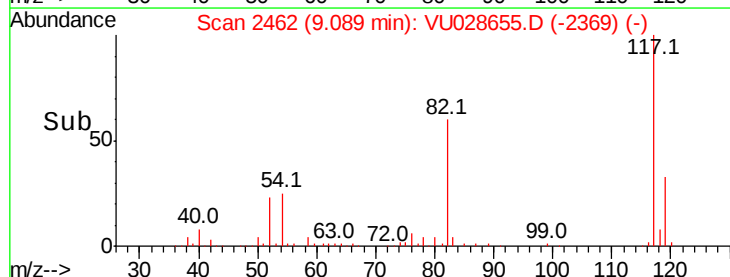
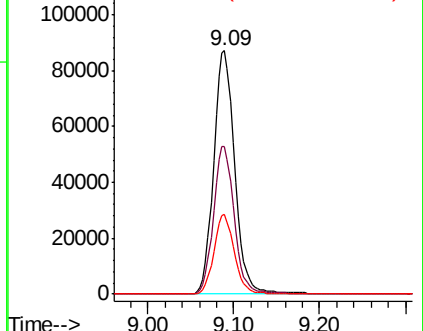
119 32.5 26.2 39.4

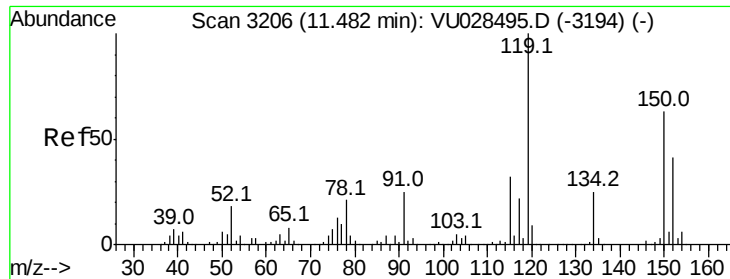


Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)

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: VU028655.D

Acq: 12 Dec 2018 16:22

Instrument :

MSVOA_U

ClientSampleId :

BPS1-TT-MW311S-20181209

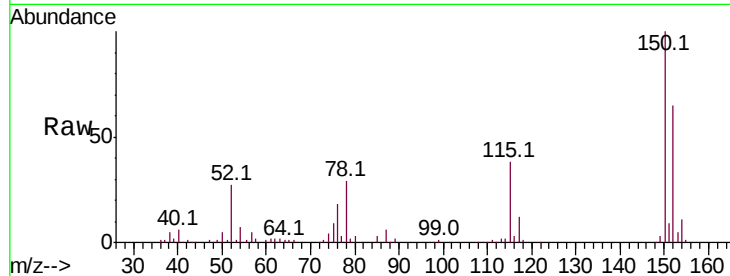
Tot Ion:152 Resp: 57438

Ion Ratio Lower Upper

152 100

115 60.1 42.7 128.1

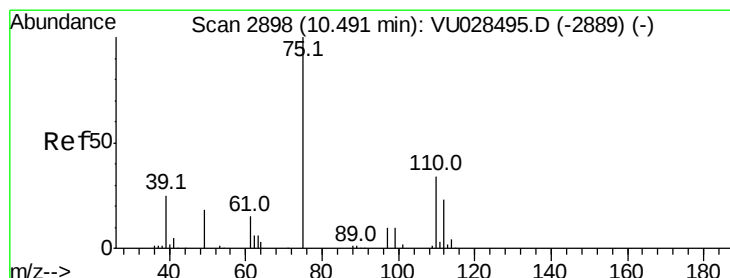
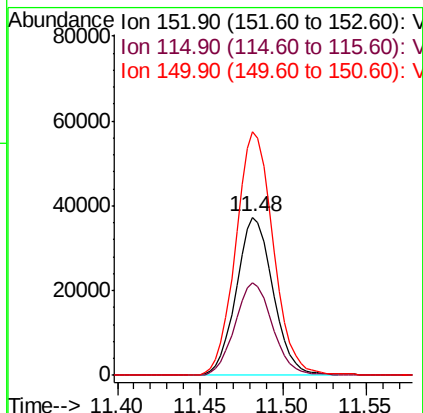
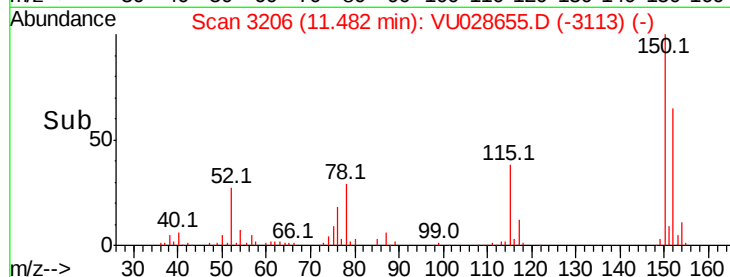
150 157.4 0.0 346.0



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: 24.512 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.18 min

Lab File: VU028655.D

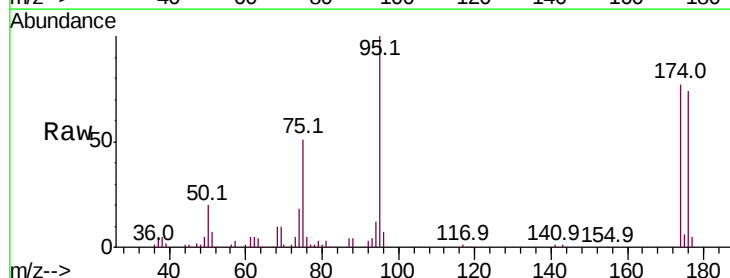
Acq: 12 Dec 2018 16:22

Tgt Ion: 75 Resp: 35952

Ion Ratio Lower Upper

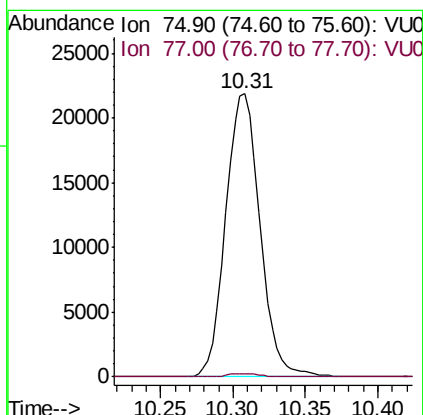
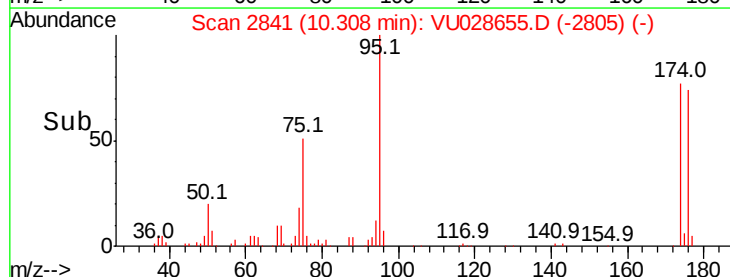
75 100

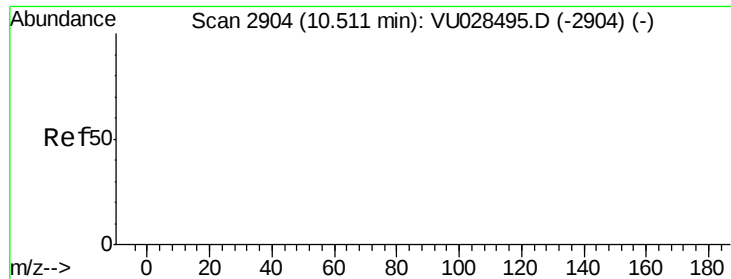
77 1.1 20.8 62.4#



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: 60.160 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028655.D

Acq: 12 Dec 2018 16:22

Instrument :

MSVOA_U

ClientSampleId :

BPS1-TT-MW311S-20181209

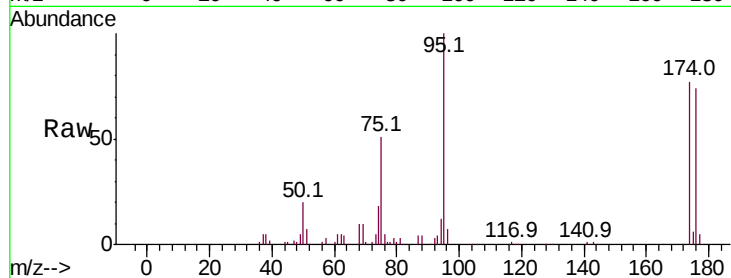
Tot Ion: 75 Resp: 35952

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

