

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028654.D
 Acq On : 12 Dec 2018 15:58
 Operator : MD/SY
 Sample : J6343-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-HN-MW29D-20181209

Quant Time: Dec 13 00:49:08 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	92214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	168539	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	153487	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	62261	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	75405	53.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.16%	
35) Dibromofluoromethane	4.88	113	55891	52.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.40%	
50) Toluene-d8	7.56	98	216587	51.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.24%	
62) 4-Bromofluorobenzene	10.30	95	72854	46.46	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.92%	

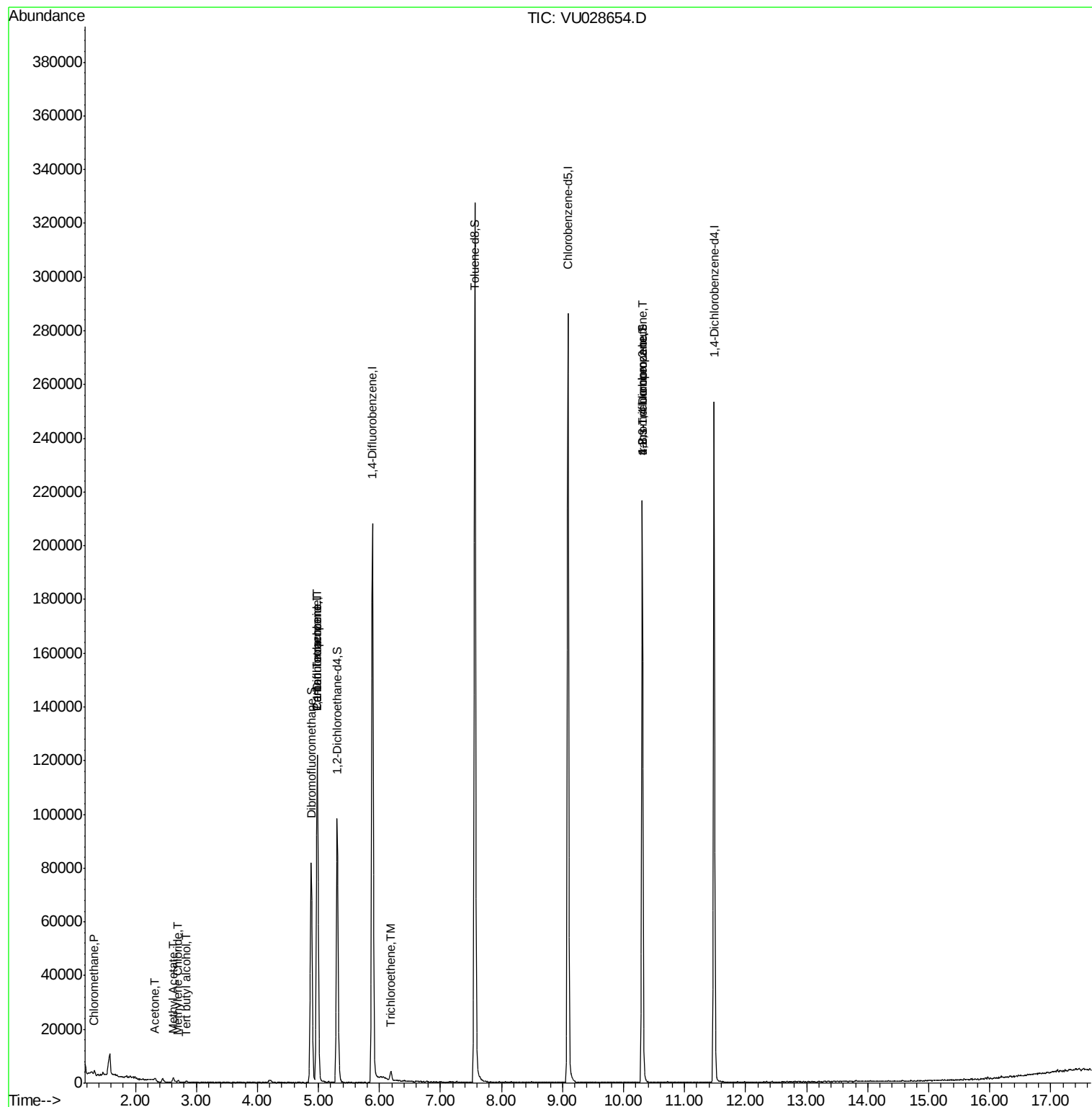
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1207	0.531	ug/l	99
11) Tert butyl alcohol	2.83	59	221	0.705	ug/l #	73
16) Acetone	2.32	43	1573	1.713	ug/l	98
18) Methyl Acetate	2.62	43	2510	1.054	ug/l	94
20) Methylene Chloride	2.70	84	322	0.238	ug/l #	78
31) Cyclohexane	4.98	56	1988	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8122	4.404	ug/l #	49
38) Carbon Tetrachloride	4.98	117	8944	6.017	ug/l #	16
44) Trichloroethene	6.19	130	1142	0.946	ug/l	89
76) 1,2,3-Trichloropropane	10.30	75	37333	23.482	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	37333	57.654	ug/l #	100

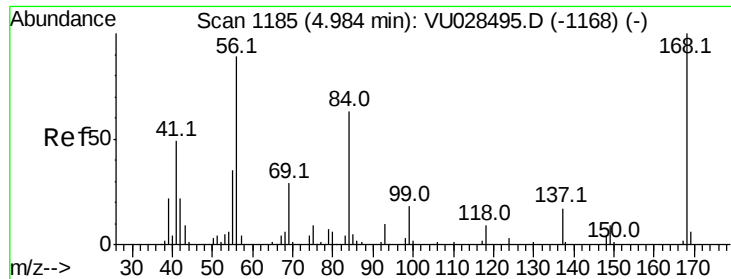
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU028654.D

Acq: 12 Dec 2018 15:58

Instrument :

MSVOA_U

ClientSampleId :

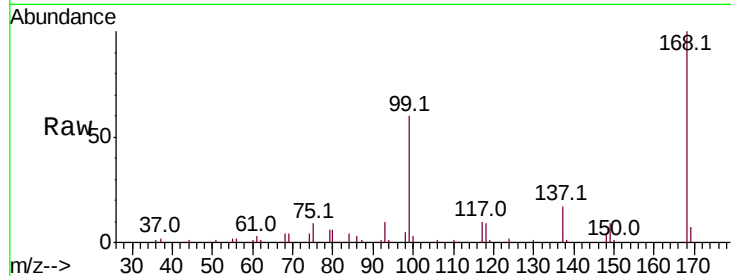
BP-HN-MW29D-20181209

Tot Ion:168 Resp: 92214

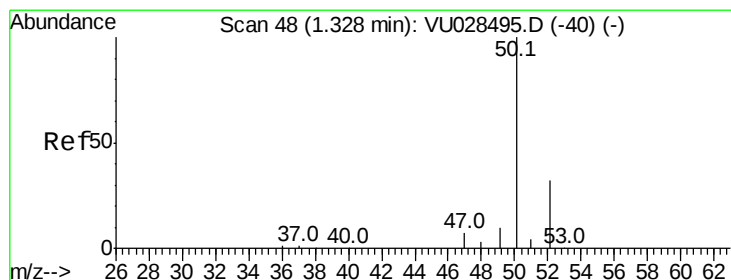
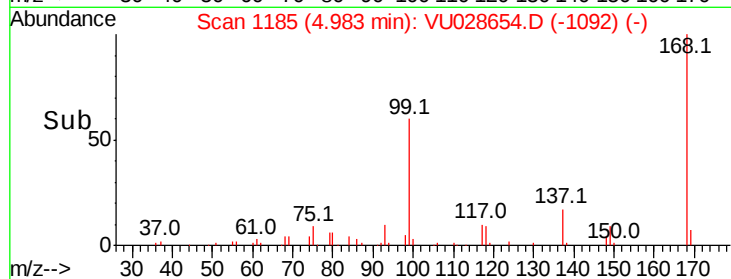
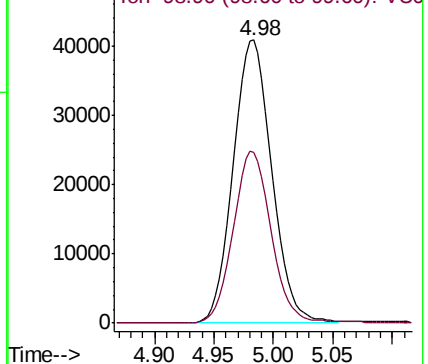
Ion Ratio Lower Upper

168 100

99 60.2 46.6 69.8



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



#3

Chloromethane

Concen: 0.531 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028654.D

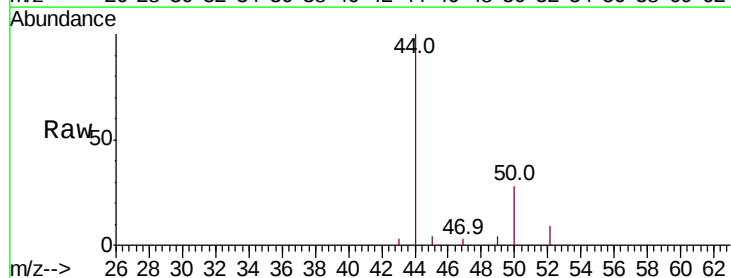
Acq: 12 Dec 2018 15:58

Tgt Ion: 50 Resp: 1207

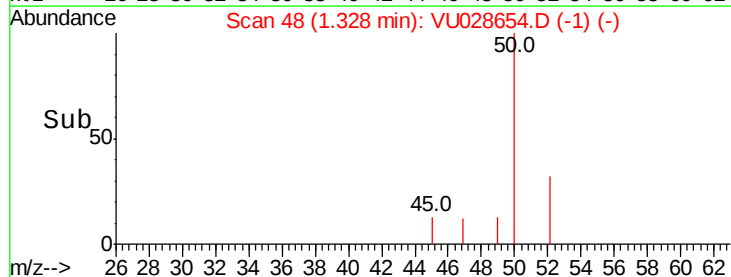
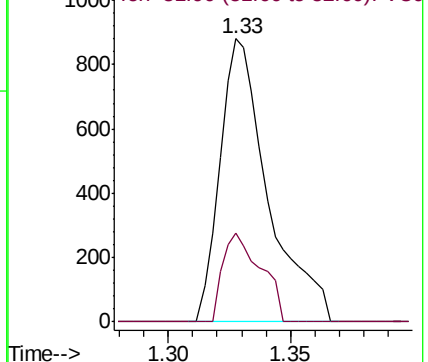
Ion Ratio Lower Upper

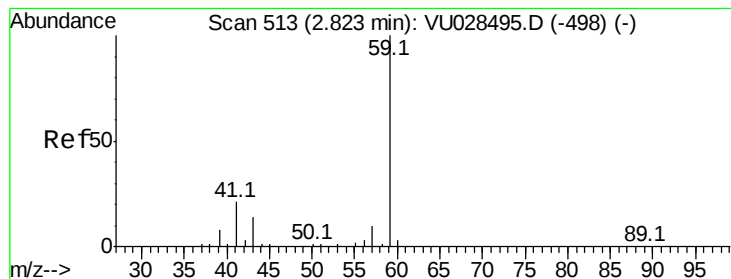
50 100

52 31.6 25.5 38.3



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



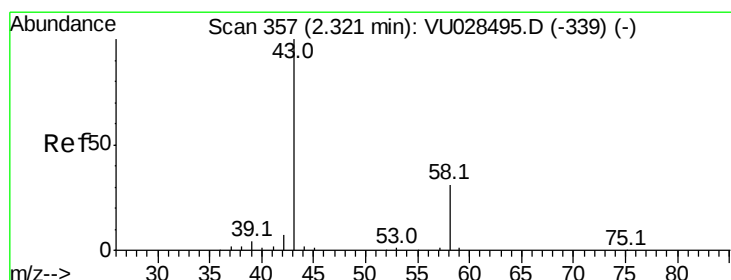
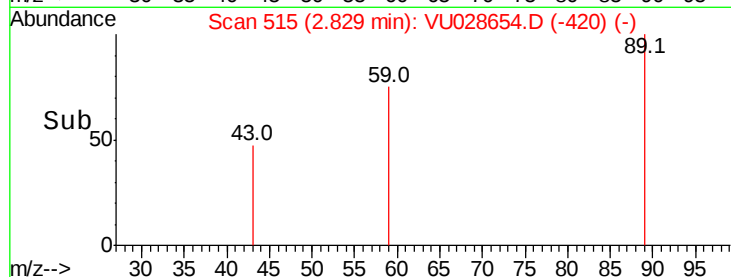
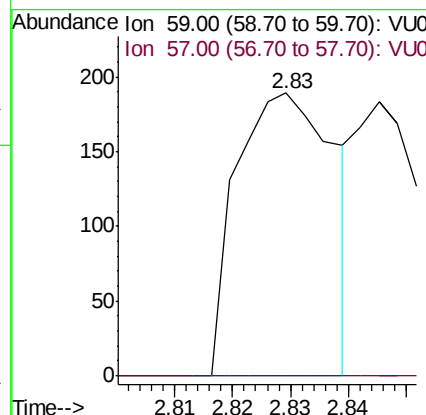
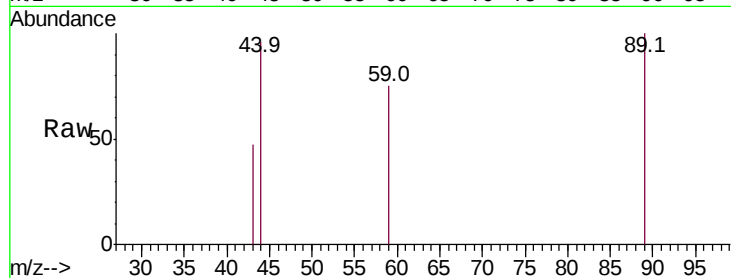


#11

Tert butyl alcohol
 Concen: 0.705 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.01 min
 Lab File: VU028654.D
 Acq: 12 Dec 2018 15:58

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-HN-MW29D-20181209

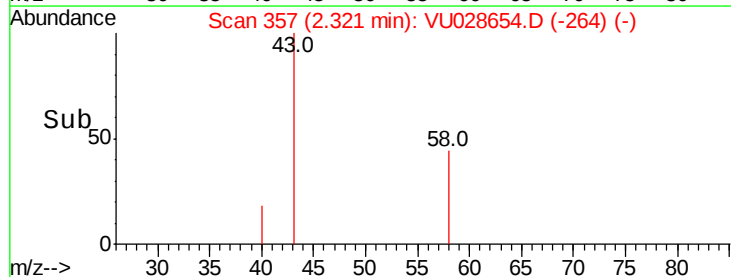
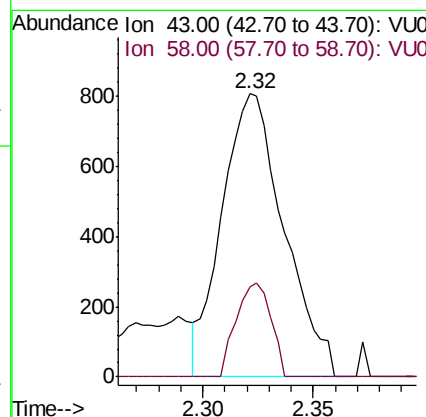
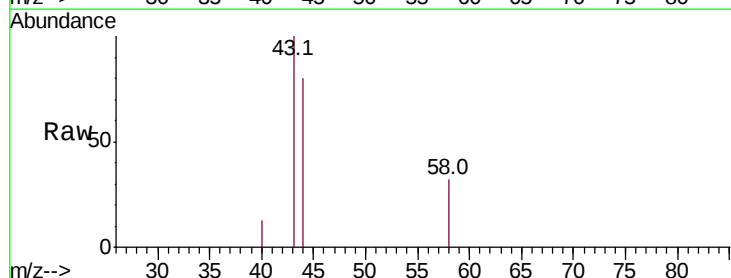
Tot Ion: 59 Resp: 221
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

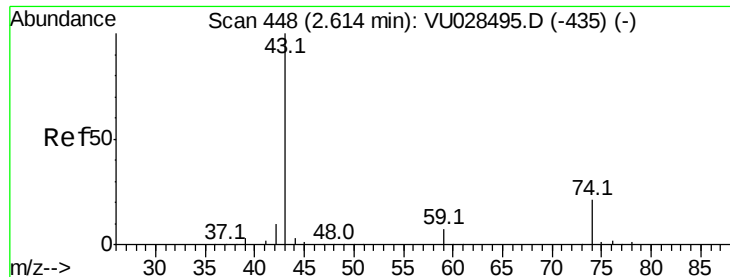


#16

Acetone
 Concen: 1.713 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU028654.D
 Acq: 12 Dec 2018 15:58

Tgt Ion: 43 Resp: 1573
 Ion Ratio Lower Upper
 43 100
 58 31.7 24.6 37.0

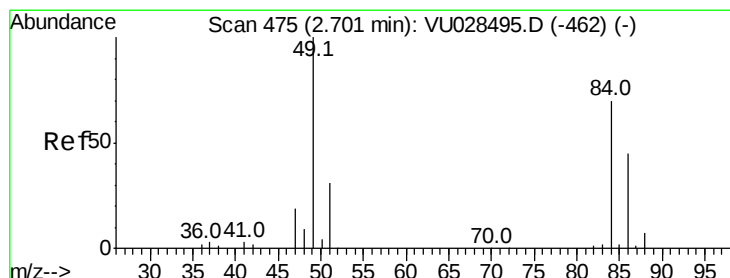
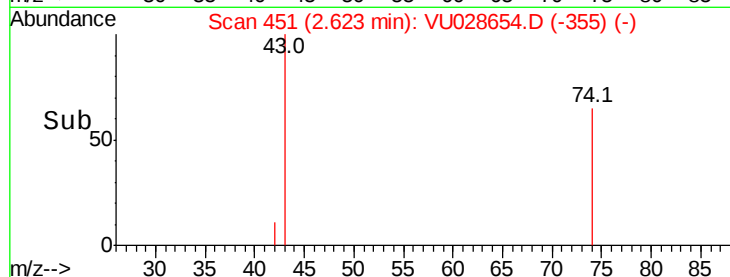
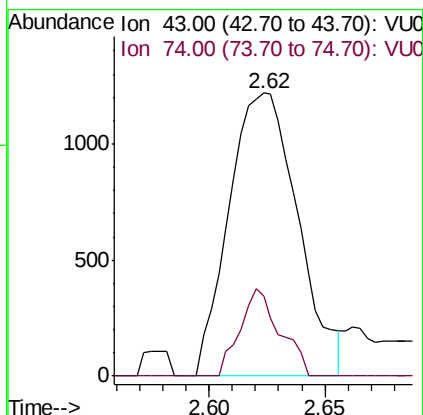
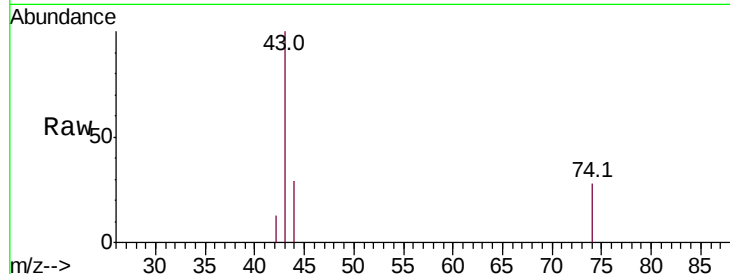




#18
Methvl Acetate
Concen: 1.054 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU028654.D
Acq: 12 Dec 2018 15:58

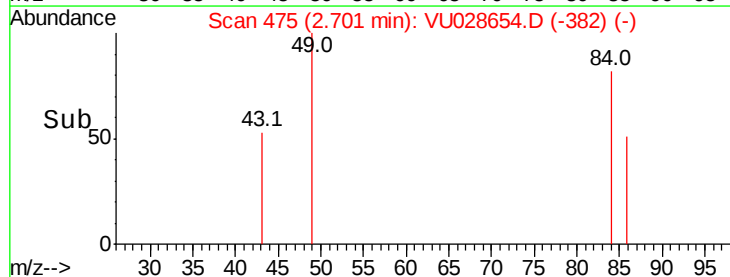
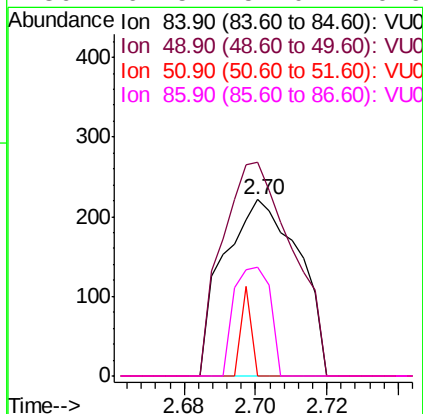
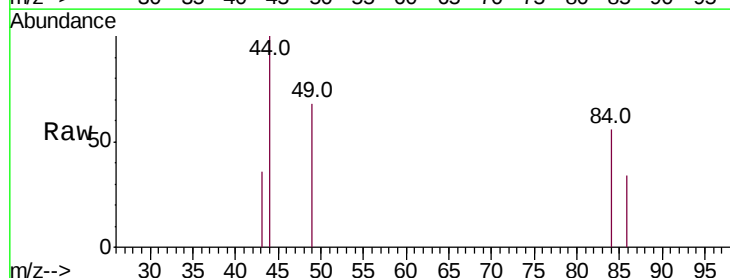
Instrument :
MSVOA_U
ClientSampleId :
BP-HN-MW29D-20181209

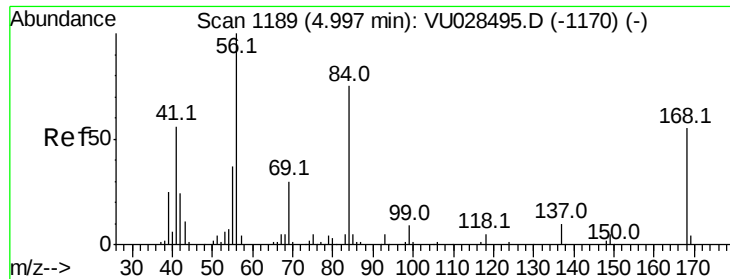
Tot Ion: 43 Resp: 2510
Ion Ratio Lower Upper
43 100
74 17.8 16.4 24.6



#20
Methylene Chloride
Concen: 0.238 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028654.D
Acq: 12 Dec 2018 15:58

Tgt Ion: 84 Resp: 322
Ion Ratio Lower Upper
84 100
49 121.3 114.0 171.0
51 0.0 35.1 52.7#
86 61.5 51.0 76.6

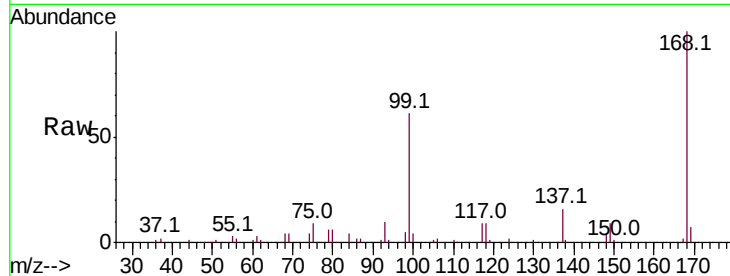




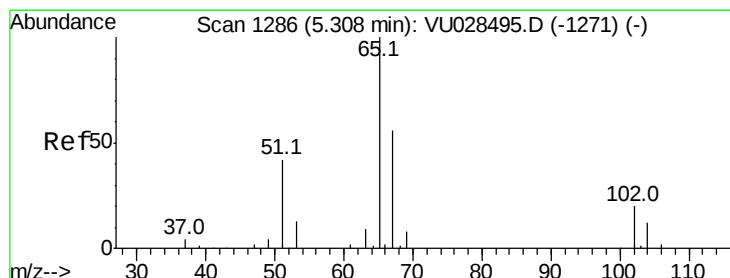
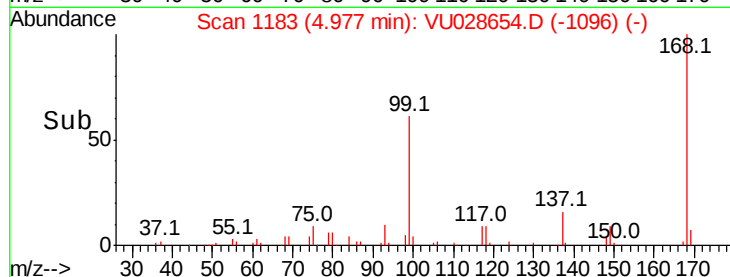
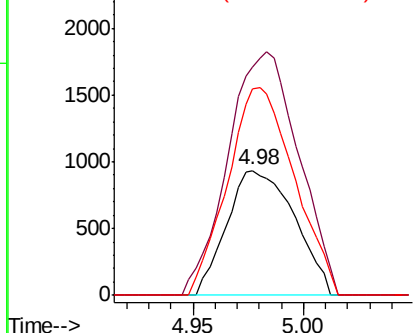
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1183
Delta R.T. -0.02 min
Lab File: VU028654.D
Acq: 12 Dec 2018 15:58

Instrument :
MSVOA_U
ClientSampleId :
BP-HN-MW29D-20181209

Tot Ion: 56 Resp: 1988
Ion Ratio Lower Upper
56 100
69 183.2 24.0 36.0#
84 165.2 59.7 89.5#

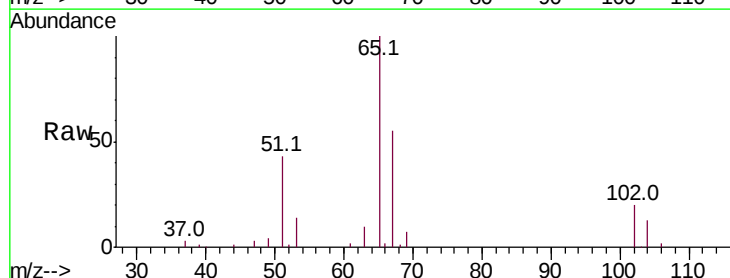


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

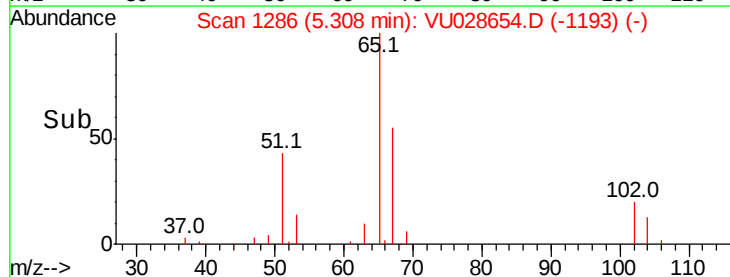
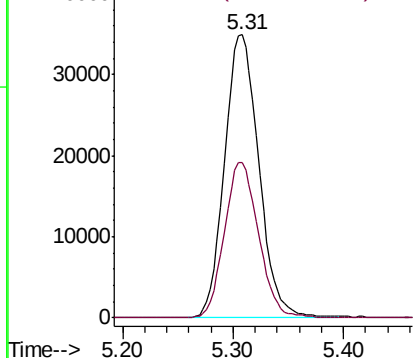


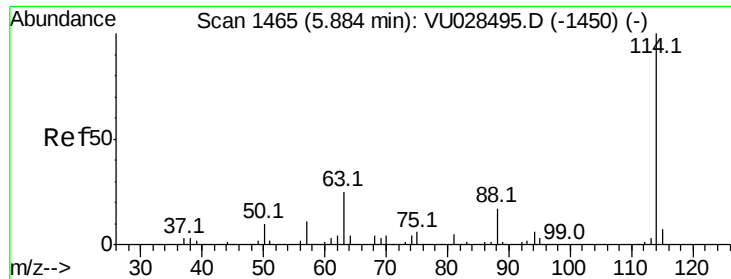
#33
1,2-Dichloroethane-d4
Concen: 53.583 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028654.D
Acq: 12 Dec 2018 15:58

Tgt Ion: 65 Resp: 75405
Ion Ratio Lower Upper
65 100
67 54.6 0.0 110.6



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

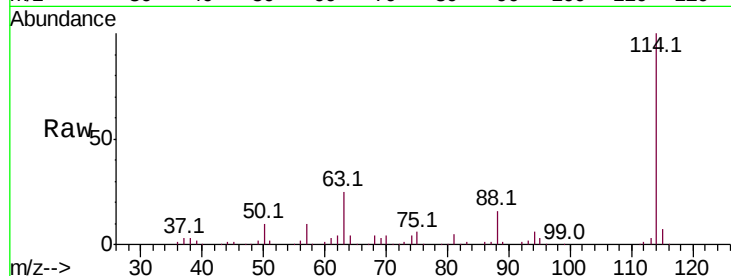




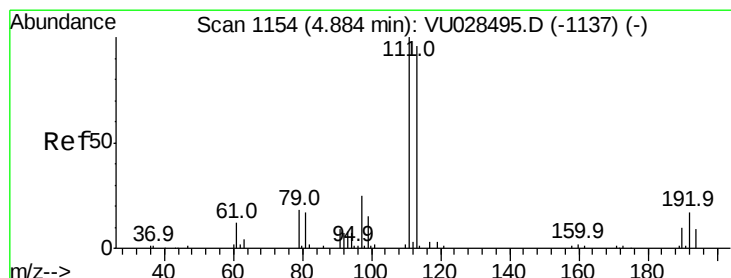
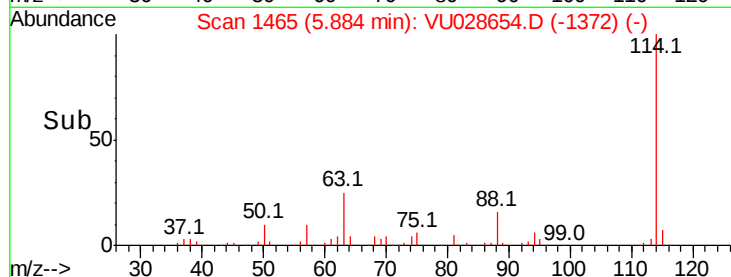
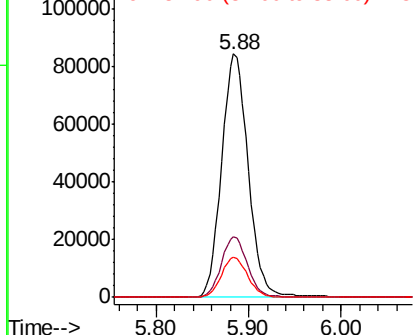
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028654.D
 Acq: 12 Dec 2018 15:58

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Tot Ion:	114	Resp:	168539
Ion	Ratio	Lower	Upper
114	100		
63	24.9	0.0	49.2
88	16.3	0.0	33.4

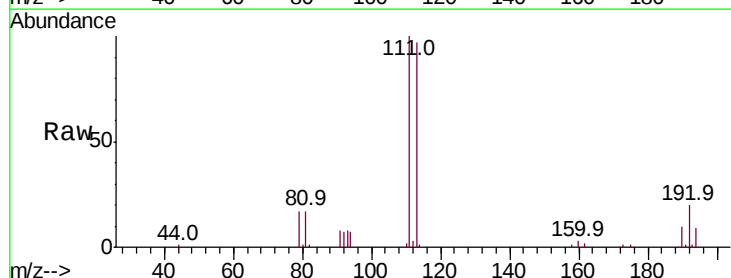


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

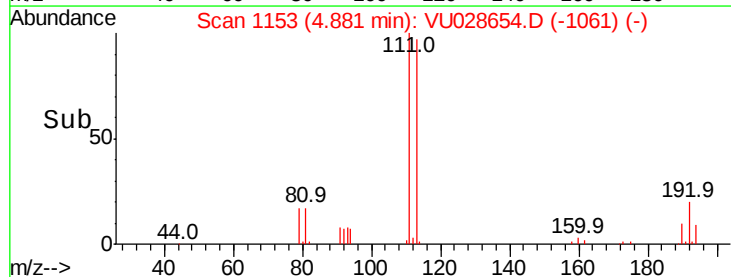
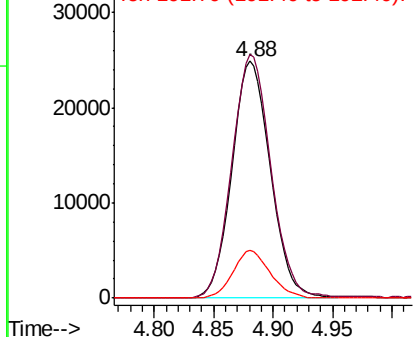


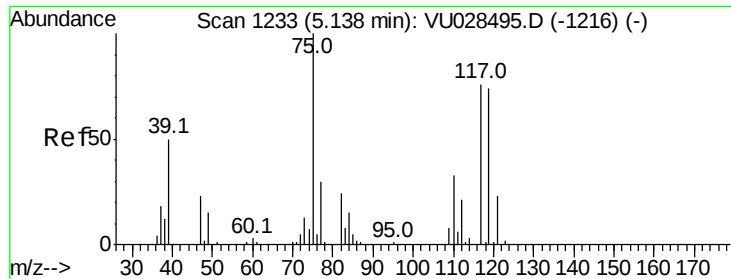
#35
 Dibromofluoromethane
 Concen: 52.696 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028654.D
 Acq: 12 Dec 2018 15:58

Tgt Ion:	113	Resp:	55891
Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.4	125.0
192	19.3	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

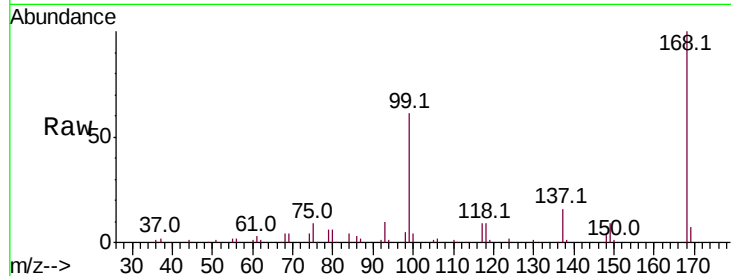




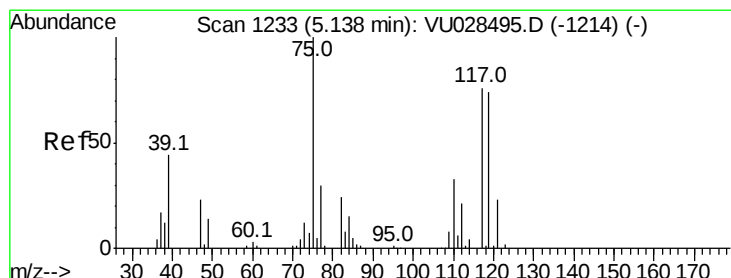
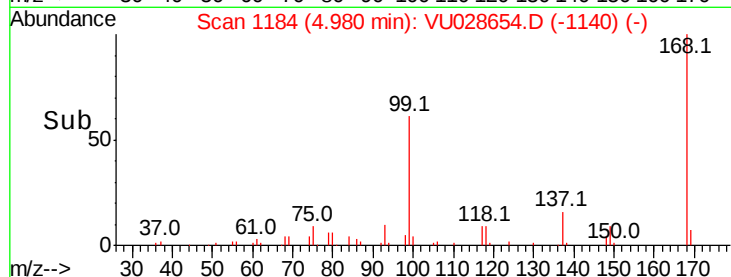
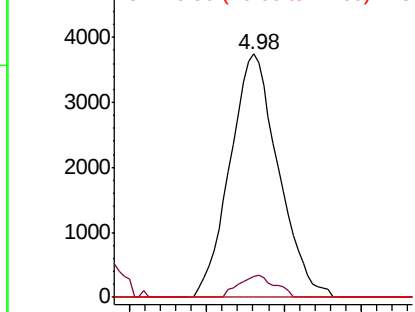
#36
 1,1-Dichloropropene
 Concen: 4.404 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028654.D
 Acq: 12 Dec 2018 15:58

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-HN-MW29D-20181209

Tot Ion	Ratio	Lower	Upper
75	100		
110	6.7	16.1	48.2#
77	0.0	24.5	36.7#

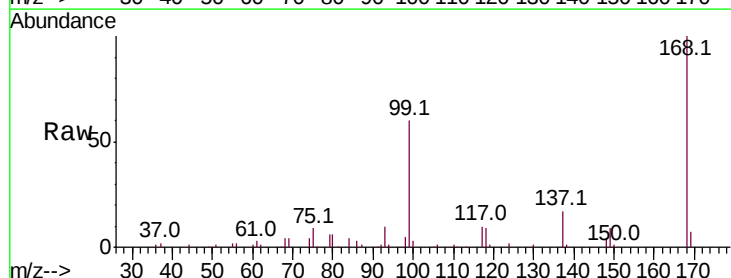


Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-1216) (-)
 Ion 109.90 (109.60 to 110.60): VU028495.D (-1216) (-)
 Ion 76.90 (76.60 to 77.60): VU028495.D (-1216) (-)

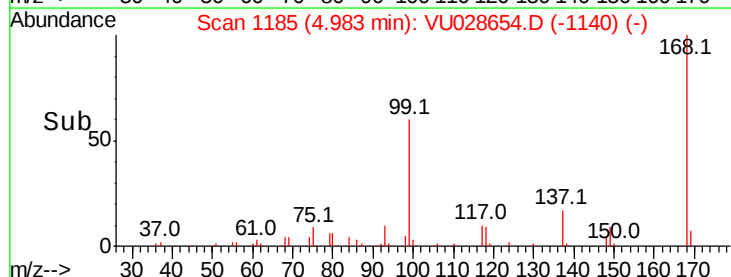
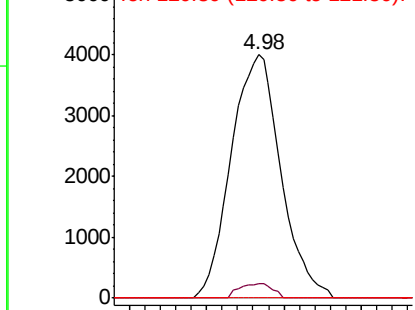


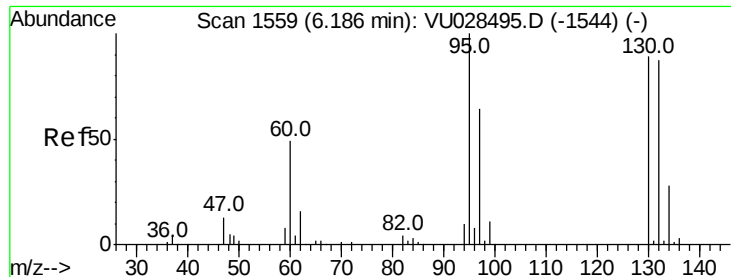
#38
 Carbon Tetrachloride
 Concen: 6.017 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028654.D
 Acq: 12 Dec 2018 15:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	77.6	116.4#
121	0.0	24.6	36.8#



Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)
 Ion 118.80 (118.50 to 119.50): VU028495.D (-1214) (-)
 Ion 120.80 (120.50 to 121.50): VU028495.D (-1214) (-)





#44

Trichloroethene

Concen: 0.946 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU028654.D

Acq: 12 Dec 2018 15:58

Instrument :

MSVOA_U

ClientSampleId :

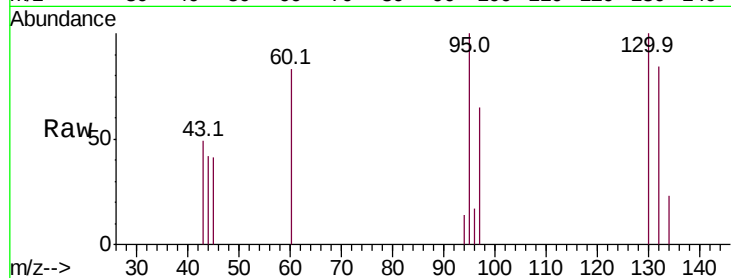
BP-HN-MW29D-20181209

Tot Ion:130 Resp: 1142

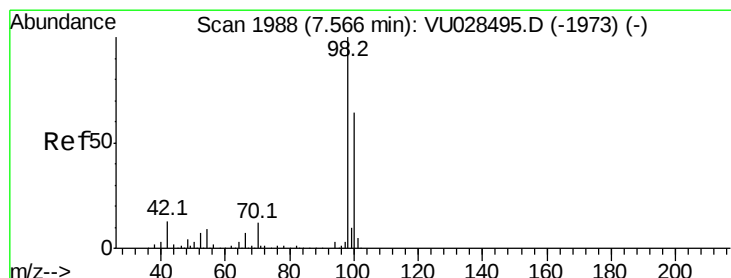
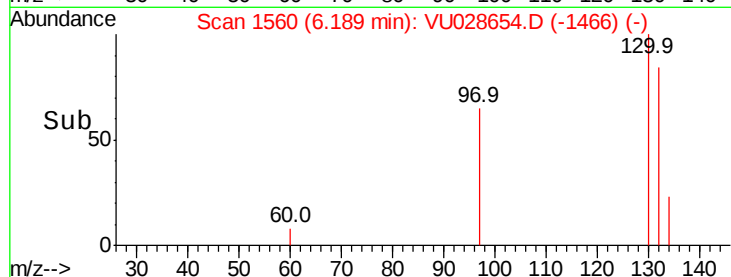
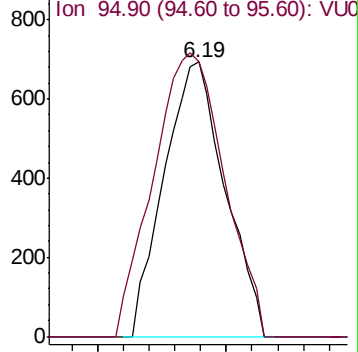
Ion Ratio Lower Upper

130 100

95 100.3 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): VU028495.D (-1544) (-)



#50

Toluene-d8

Concen: 51.622 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU028654.D

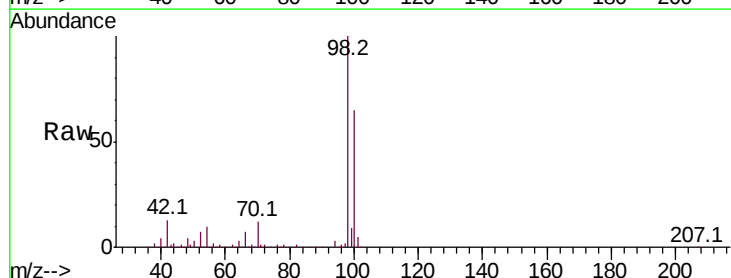
Acq: 12 Dec 2018 15:58

Tgt Ion: 98 Resp: 216587

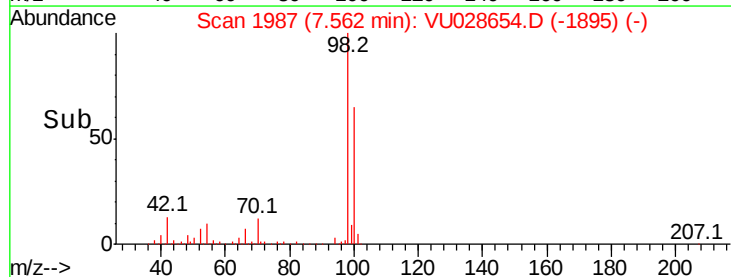
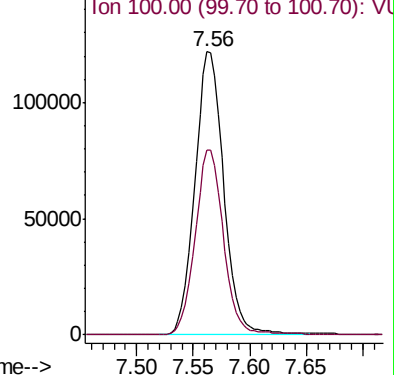
Ion Ratio Lower Upper

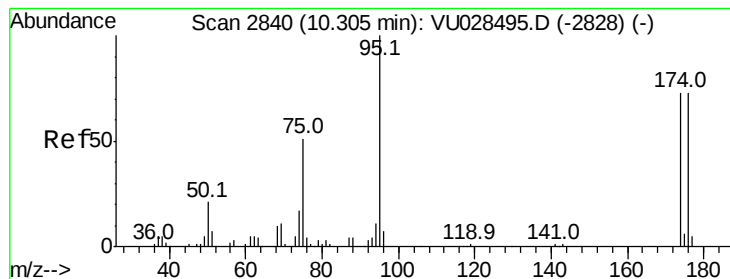
98 100

100 64.6 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU028495.D (-1973) (-)





#62

4-Bromofluorobenzene

Concen: 46.458 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028654.D

Acq: 12 Dec 2018 15:58

Instrument :

MSVOA_U

ClientSampleId :

BP-HN-MW29D-20181209

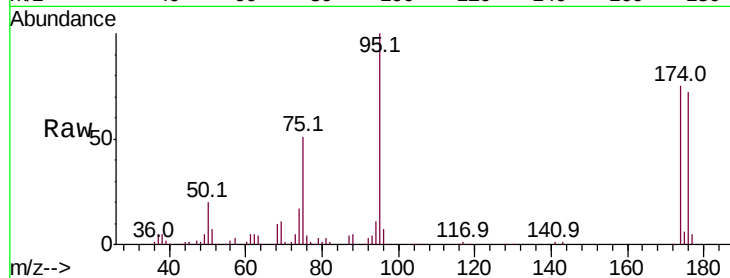
Tot Ion: 95 Resp: 72854

Ion Ratio Lower Upper

95 100

174 76.1 0.0 150.4

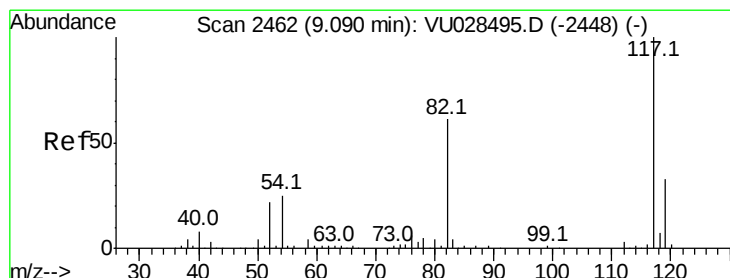
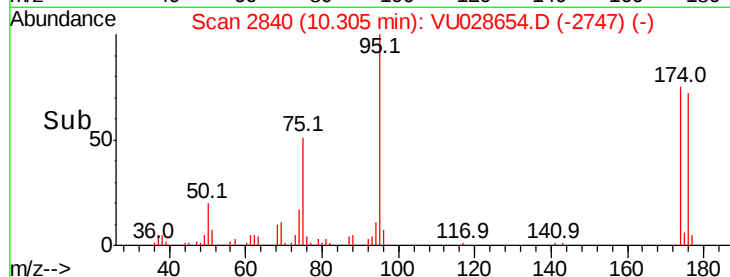
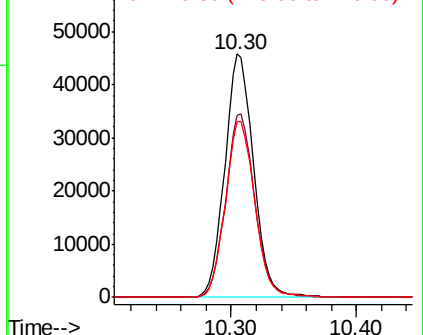
176 73.5 0.0 145.2



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: VU028654.D

Acq: 12 Dec 2018 15:58

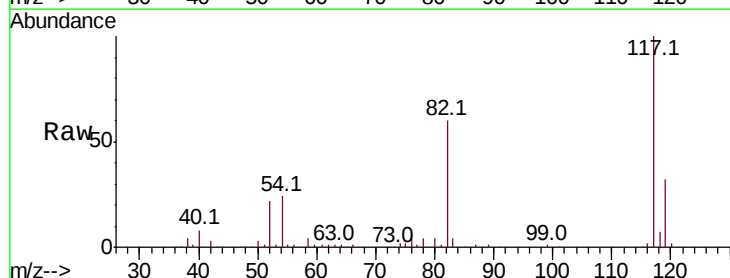
Tgt Ion: 117 Resp: 153487

Ion Ratio Lower Upper

117 100

82 59.8 48.9 73.3

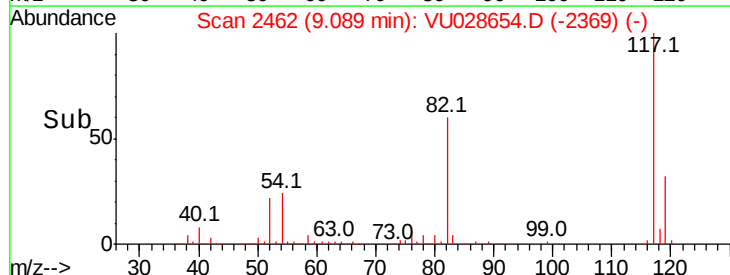
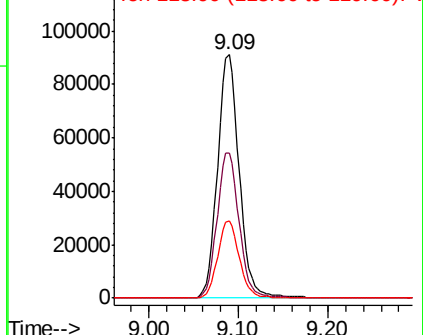
119 31.5 26.2 39.4

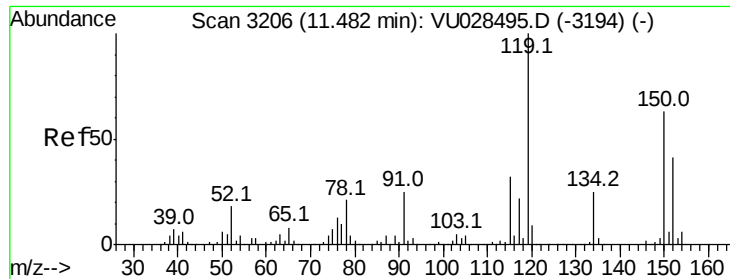


Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)

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: VU028654.D

Acq: 12 Dec 2018 15:58

Instrument :

MSVOA_U

ClientSampleId :

BP-HN-MW29D-20181209

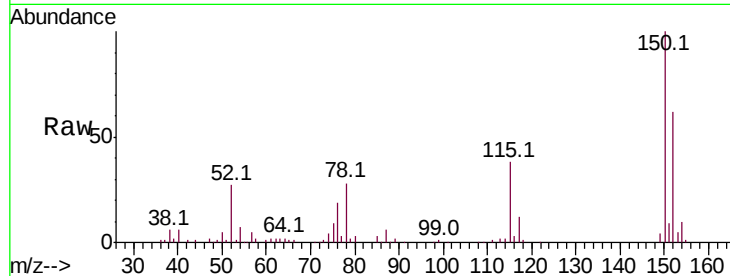
Tot Ion:152 Resp: 62261

Ion Ratio Lower Upper

152 100

115 60.0 42.7 128.1

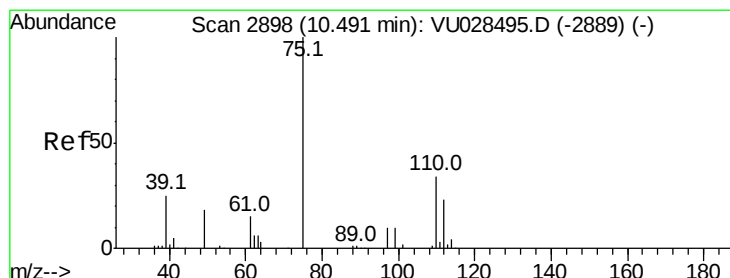
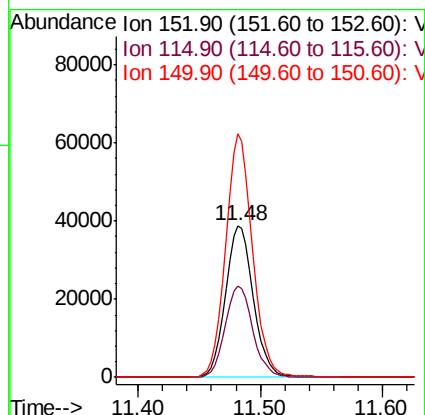
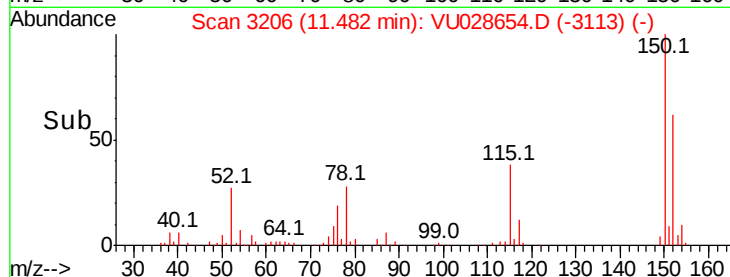
150 155.0 0.0 346.0



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: 23.482 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028654.D

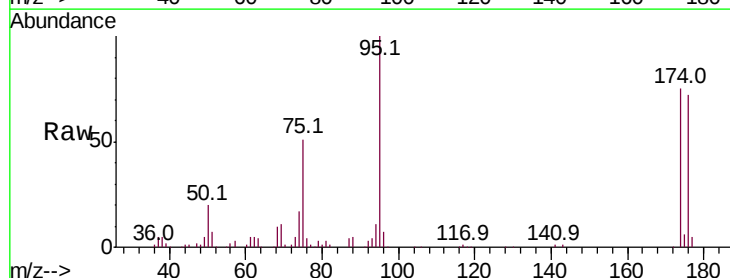
Acq: 12 Dec 2018 15:58

Tgt Ion: 75 Resp: 37333

Ion Ratio Lower Upper

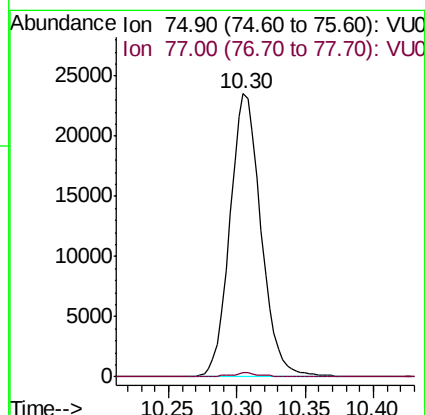
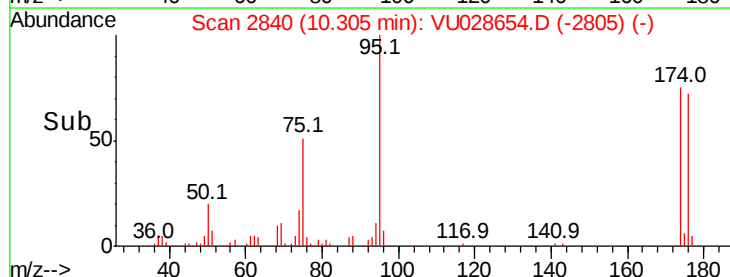
75 100

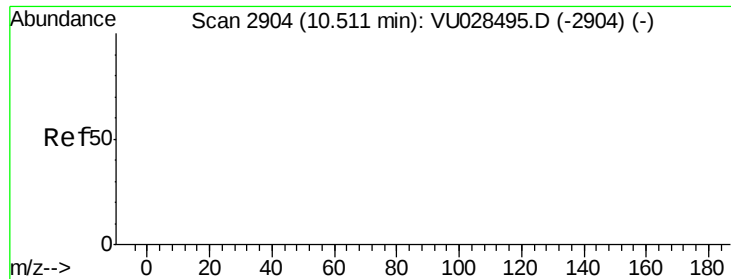
77 1.1 20.8 62.4#



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: 57.654 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028654.D

Acq: 12 Dec 2018 15:58

Instrument :

MSVOA_U

ClientSampleId :

BP-HN-MW29D-20181209

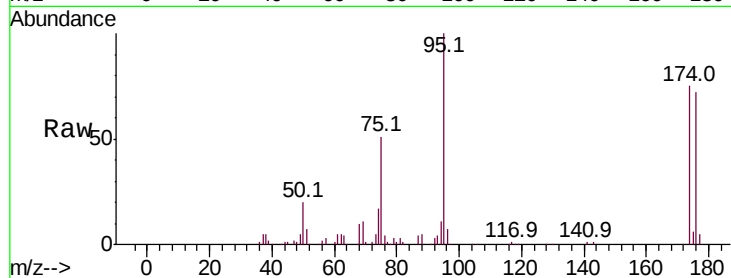
Tot Ion: 75 Resp: 37333

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

