

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028657.D
 Acq On : 12 Dec 2018 17:11
 Operator : MD/SY
 Sample : J6343-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-HN-MW24IR-20181209

Quant Time: Dec 13 00:49:38 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	90648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	166522	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	147872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	58541	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	74918	54.16	ug/l	0.00
Spiked Amount			Recovery	=	108.32%	
35) Dibromofluoromethane	4.88	113	55332	52.80	ug/l	0.00
Spiked Amount			Recovery	=	105.60%	
50) Toluene-d8	7.56	98	213012	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
62) 4-Bromofluorobenzene	10.30	95	69611	44.93	ug/l	0.00
Spiked Amount			Recovery	=	89.86%	

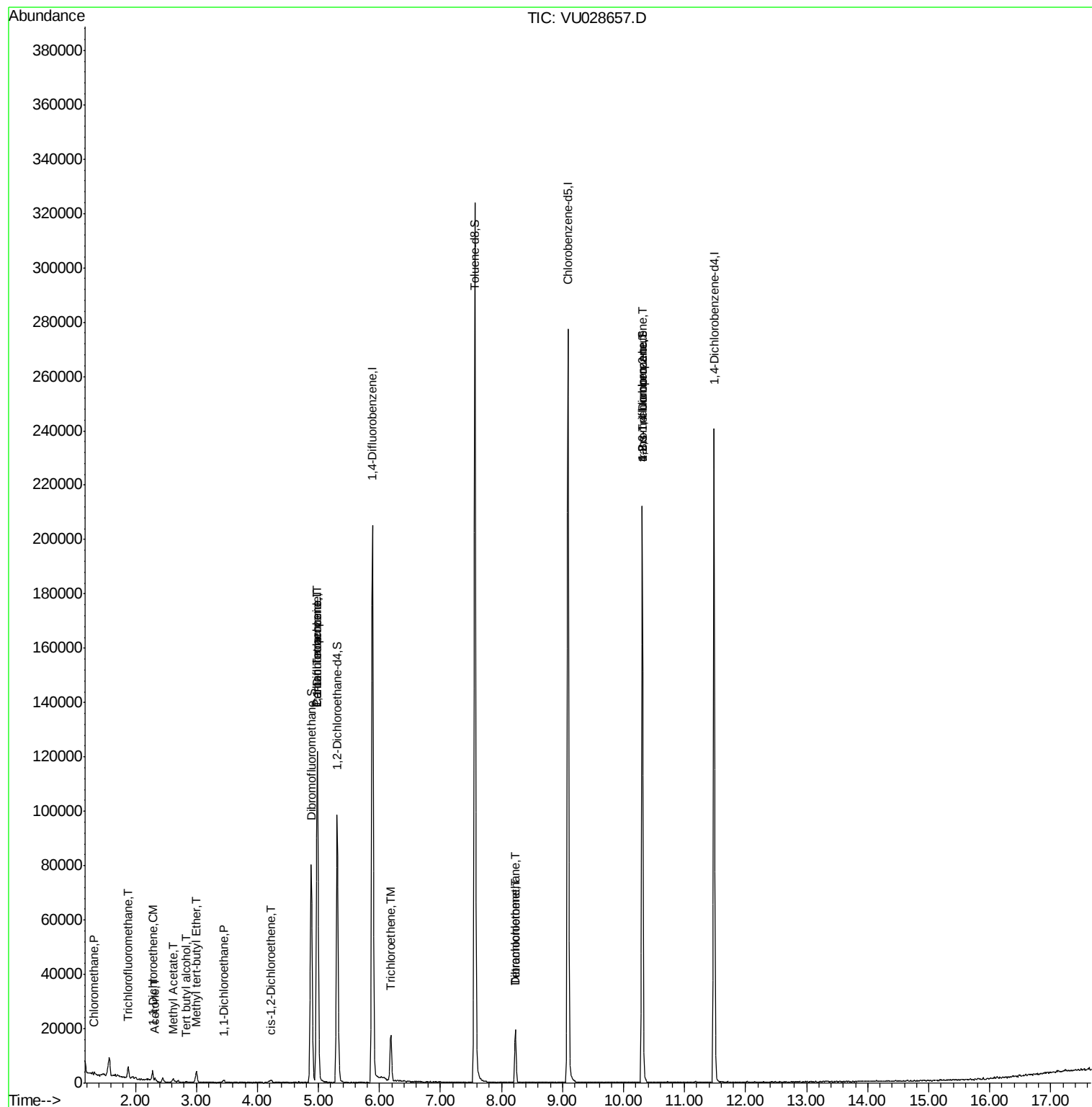
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1114	0.499	ug/l	99
7) Trichlorofluoromethane	1.88	101	2598	1.532	ug/l	94
11) Tert butyl alcohol	2.83	59	113	0.367	ug/l #	73
12) 1,1-Dichloroethene	2.28	96	1037	1.027	ug/l #	83
16) Acetone	2.32	43	1667	1.847	ug/l	99
18) Methyl Acetate	2.62	43	2302	0.984	ug/l #	83
19) Methyl tert-butyl Ether	3.00	73	4504	1.177	ug/l	91
24) 1,1-Dichloroethane	3.45	63	1351	0.556	ug/l #	85
27) cis-1,2-Dichloroethene	4.23	96	289	0.225	ug/l	62
31) Cyclohexane	4.98	56	2015	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	7967	4.372	ug/l #	50
38) Carbon Tetrachloride	4.98	117	8976	6.111	ug/l #	16
44) Trichloroethene	6.18	130	6159	5.161	ug/l	87
60) Dibromochloromethane	8.23	129	4212	3.446	ug/l #	10
64) Tetrachloroethene	8.23	164	4250	4.309	ug/l	96
76) 1,2,3-Trichloropropane	10.30	75	36539	24.443	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	36539	59.992	ug/l #	100

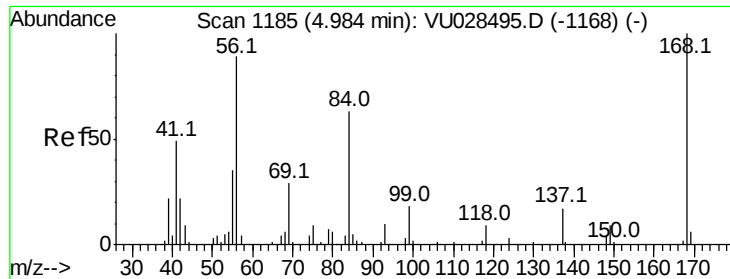
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028657.D

Acq: 12 Dec 2018 17:11

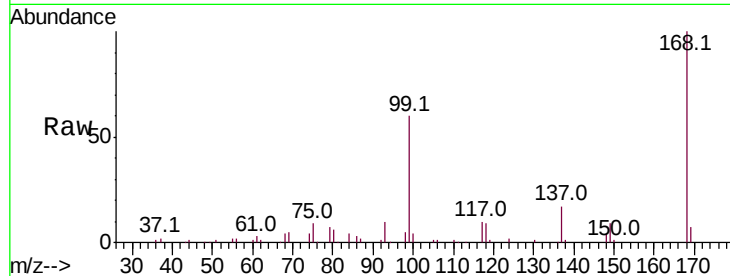
Instrument :
MSVOA_U
ClientSampleId :
BP-HN-MW24IR-20181209

Tot Ion:168 Resp: 90648

Ion Ratio Lower Upper

168 100

99 59.8 46.6 69.8



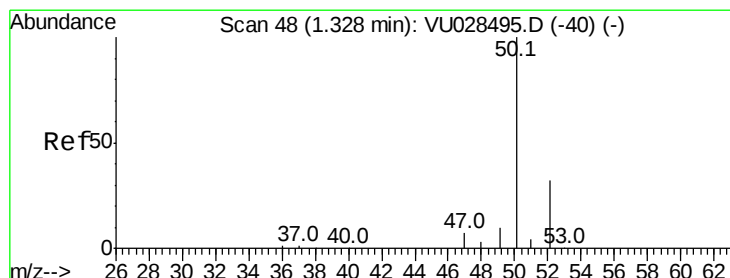
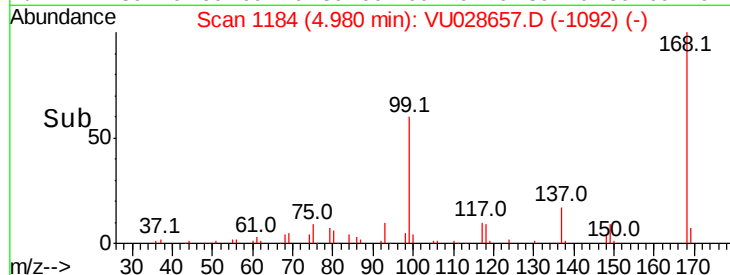
Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

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

4.98

4.90 4.95 5.00 5.05

Time-->



#3

Chloromethane

Concen: 0.499 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028657.D

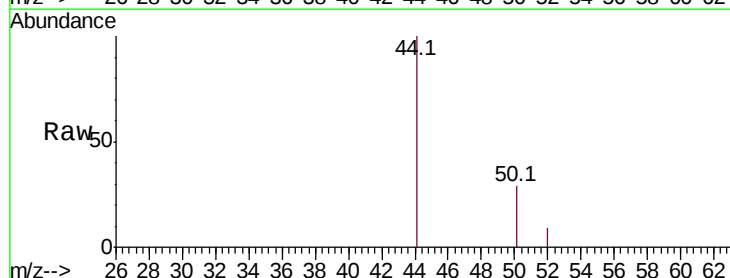
Acq: 12 Dec 2018 17:11

Tgt Ion: 50 Resp: 1114

Ion Ratio Lower Upper

50 100

52 31.1 25.5 38.3



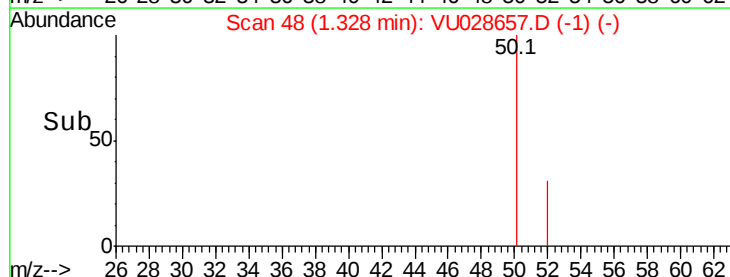
Abundance Ion 49.90 (49.60 to 50.60): VU028495.D (-40) (-)

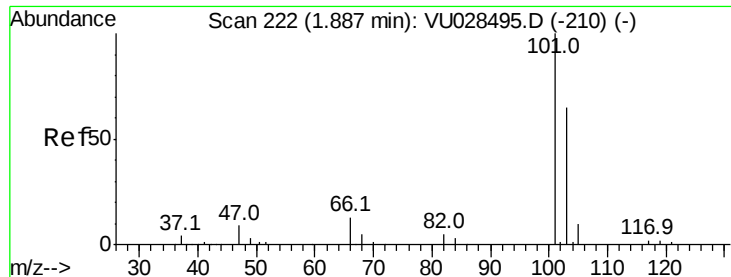
Ion 51.90 (51.60 to 52.60): VU028495.D (-40) (-)

1.33

1.30 1.35

Time-->



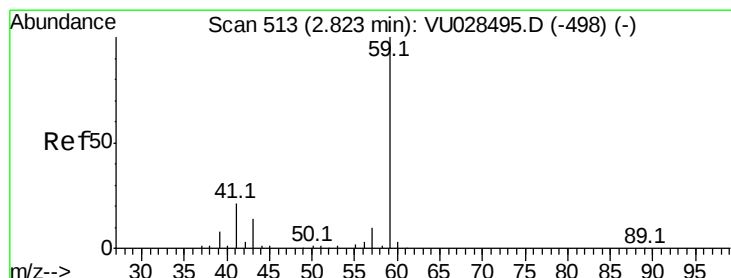
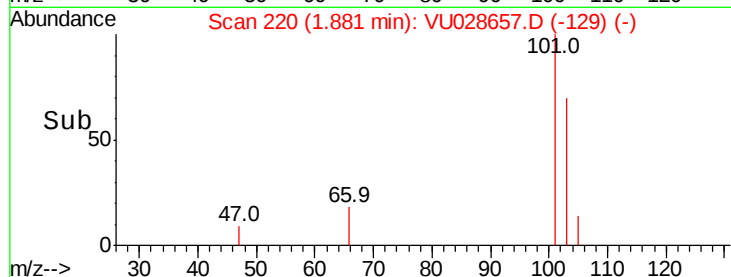
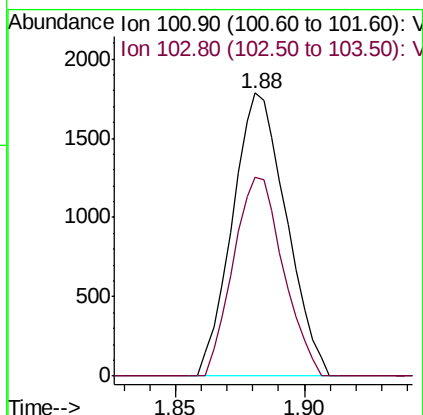
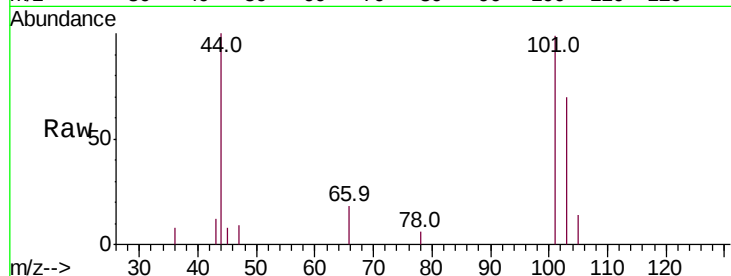


#7

Trichlorofluoromethane
Concen: 1.532 ug/l
RT: 1.88 min Scan# 220
Delta R.T. -0.01 min
Lab File: VU028657.D
Acq: 12 Dec 2018 17:11

Instrument :
MSVOA_U
ClientSampleId :
BP-HN-MW24IR-20181209

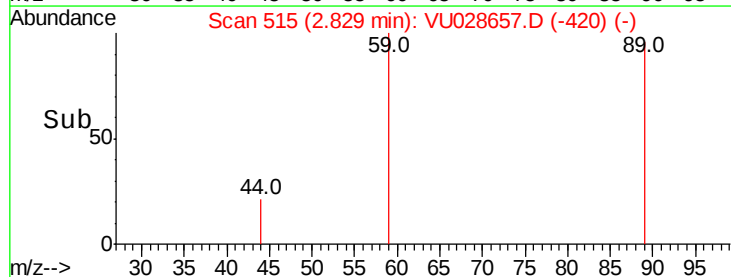
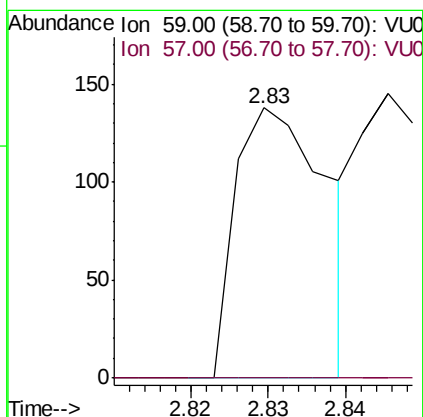
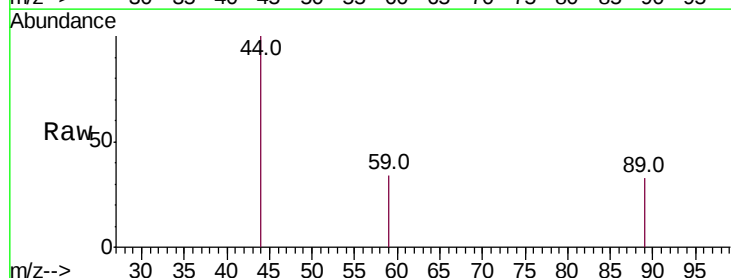
Tot Ion:101 Resp: 2598
Ion Ratio Lower Upper
101 100
103 70.3 52.3 78.5

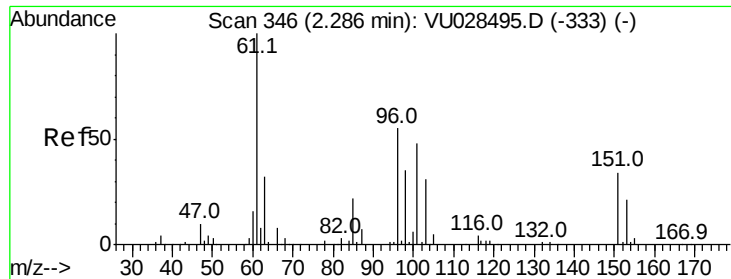


#11

Tert butyl alcohol
Concen: 0.367 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.01 min
Lab File: VU028657.D
Acq: 12 Dec 2018 17:11

Tgt Ion: 59 Resp: 113
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#





#12

1,1-Dichloroethene

Concen: 1.027 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028657.D

Acq: 12 Dec 2018 17:11

Instrument :

MSVOA_U

ClientSampleId :

BP-HN-MW24IR-20181209

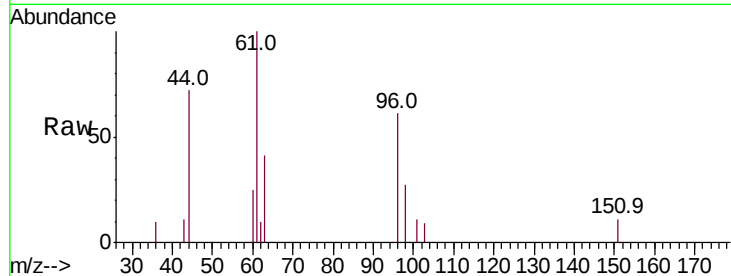
Tot Ion: 96 Resp: 1037

Ion Ratio Lower Upper

96 100

61 163.3 146.4 219.6

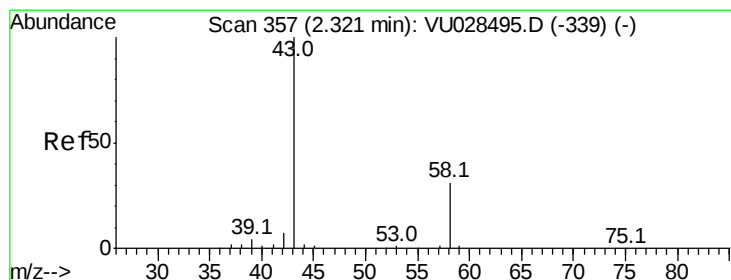
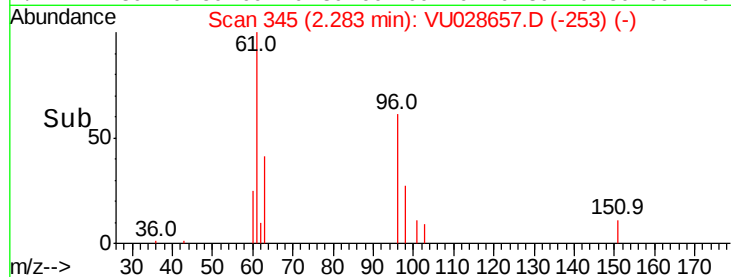
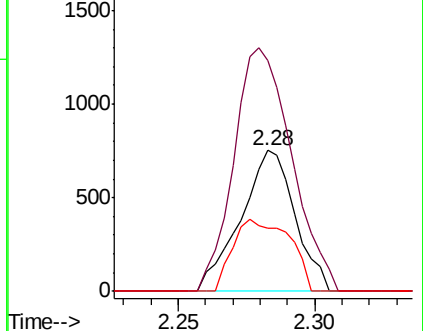
98 44.5 51.8 77.8#



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#16

Acetone

Concen: 1.847 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028657.D

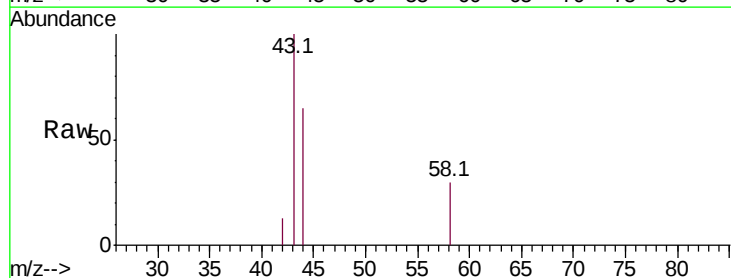
Acq: 12 Dec 2018 17:11

Tgt Ion: 43 Resp: 1667

Ion Ratio Lower Upper

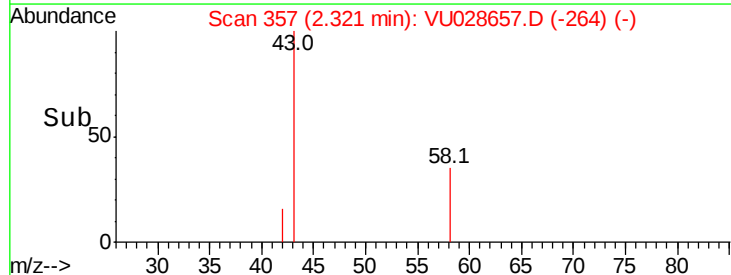
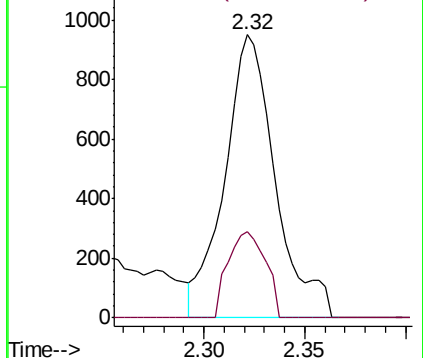
43 100

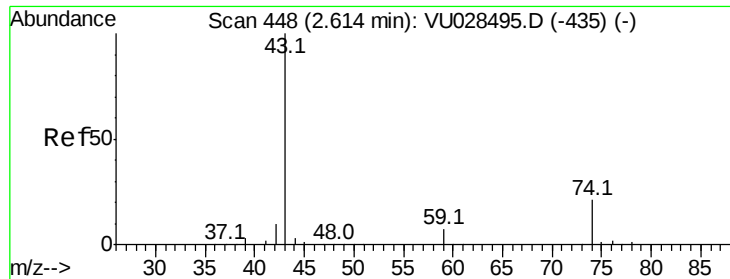
58 30.3 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

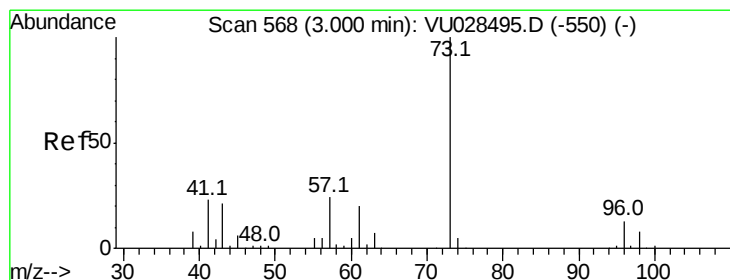
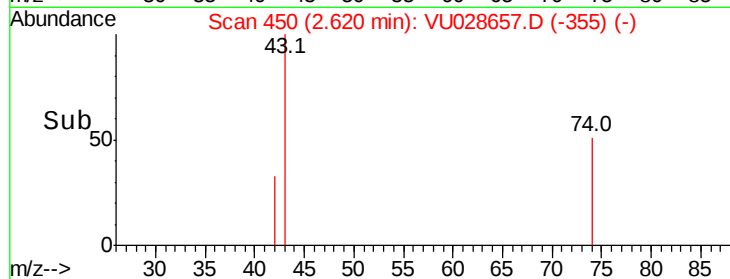
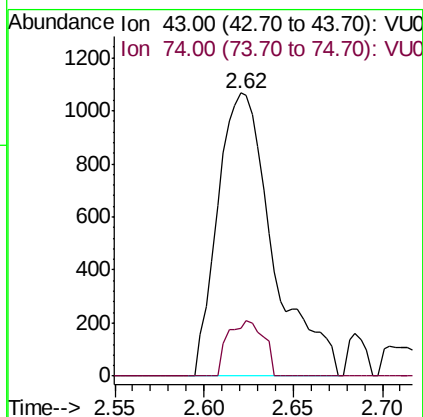
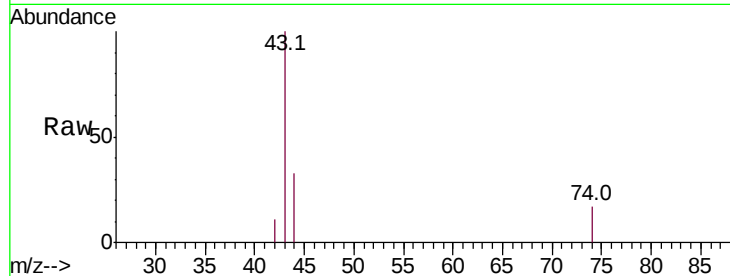




#18
Methyl Acetate
Concen: 0.984 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.01 min
Lab File: VU028657.D
Acq: 12 Dec 2018 17:11

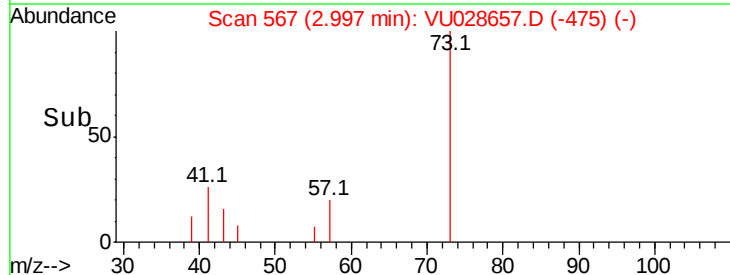
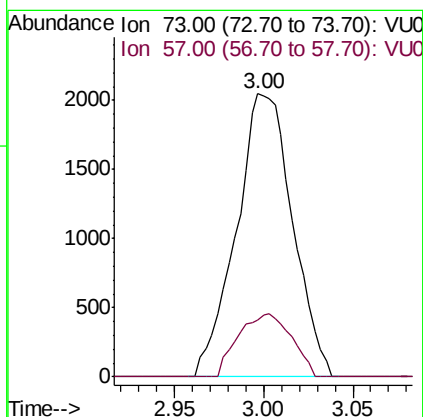
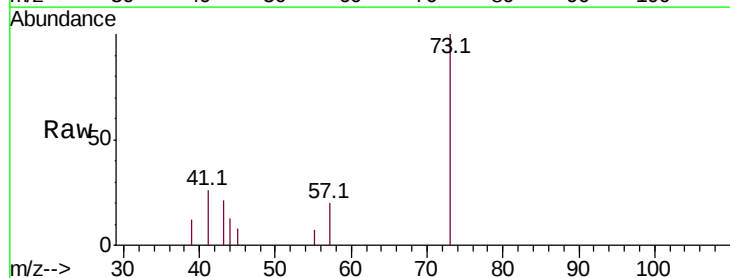
Instrument :
MSVOA_U
ClientSampleId :
BP-HN-MW24IR-20181209

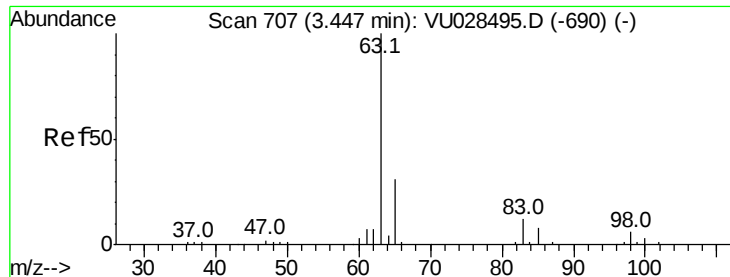
Tot Ion: 43 Resp: 2302
Ion Ratio Lower Upper
43 100
74 12.6 16.4 24.6#



#19
Methyl tert-butyl Ether
Concen: 1.177 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028657.D
Acq: 12 Dec 2018 17:11

Tgt Ion: 73 Resp: 4504
Ion Ratio Lower Upper
73 100
57 19.9 19.4 29.2





#24

1,1-Dichloroethane

Concen: 0.556 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028657.D

Acq: 12 Dec 2018 17:11

Instrument :

MSVOA_U

ClientSampleId :

BP-HN-MW24IR-20181209

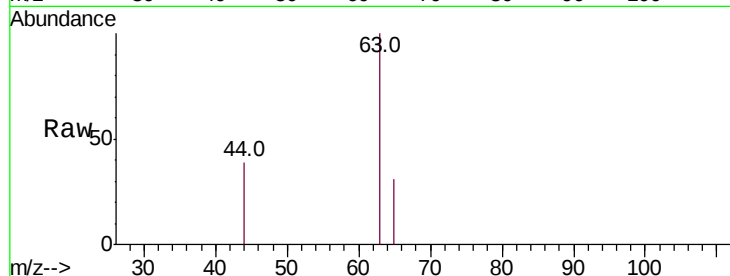
Tot Ion: 63 Resp: 1351

Ion Ratio Lower Upper

63 100

98 0.0 3.0 9.2#

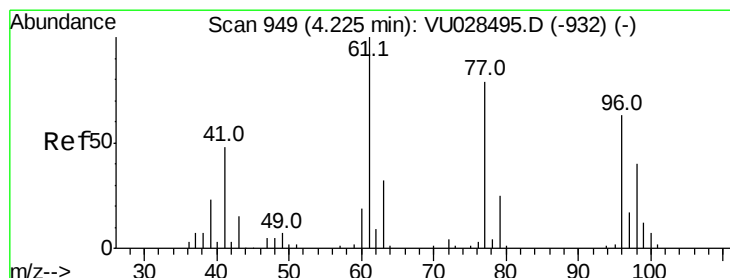
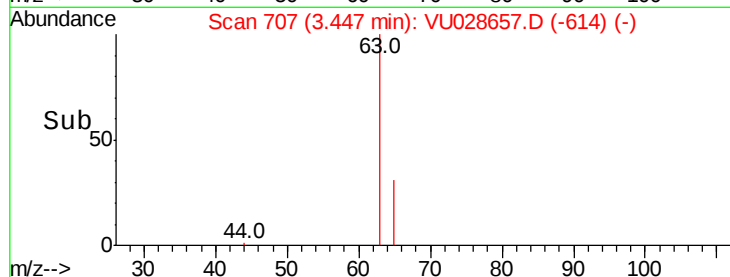
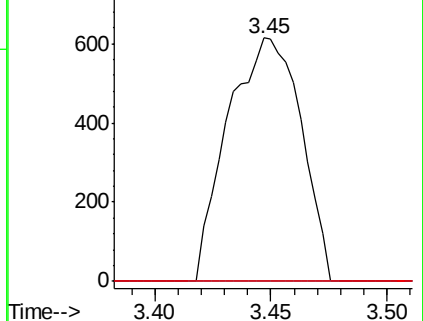
100 0.0 1.7 5.1#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0



#27

cis-1,2-Dichloroethene

Concen: 0.225 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.01 min

Lab File: VU028657.D

Acq: 12 Dec 2018 17:11

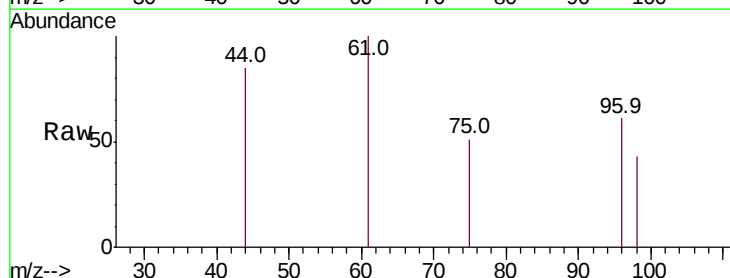
Tgt Ion: 96 Resp: 289

Ion Ratio Lower Upper

96 100

61 234.6 0.0 332.4

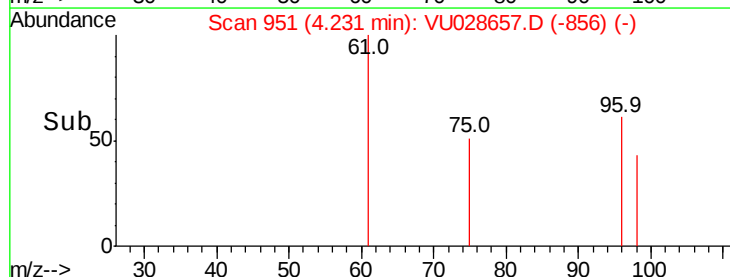
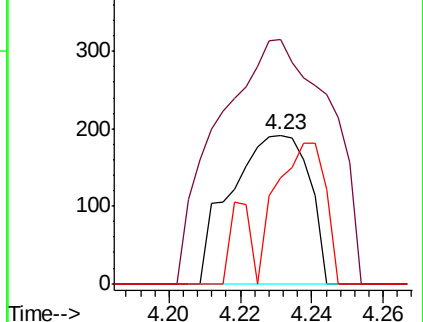
98 59.2 0.0 129.0

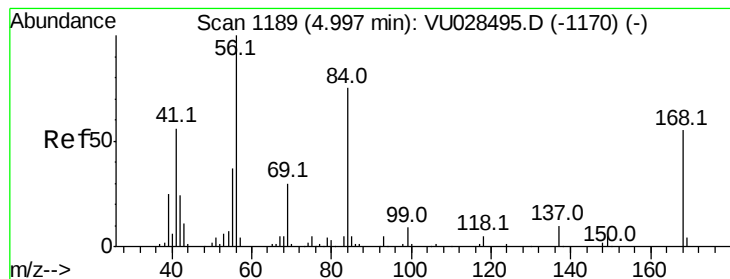


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

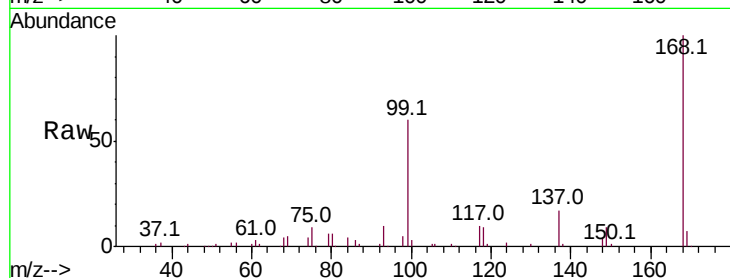
Lab File: VU028657.D

Acq: 12 Dec 2018 17:11

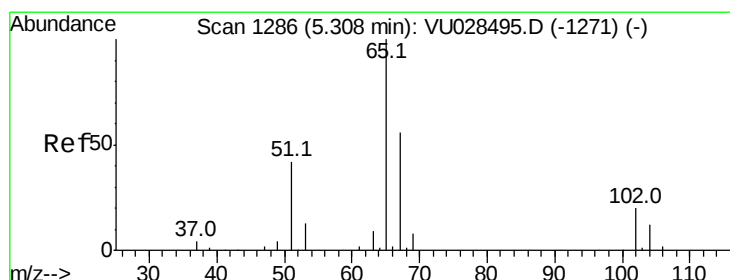
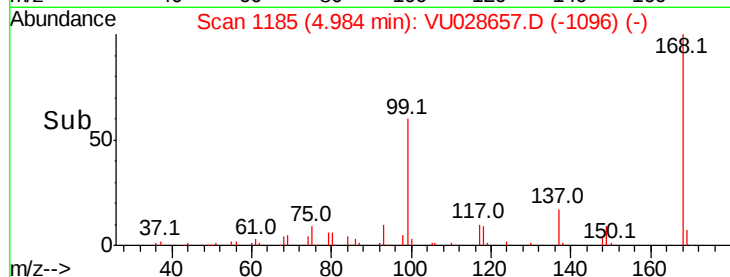
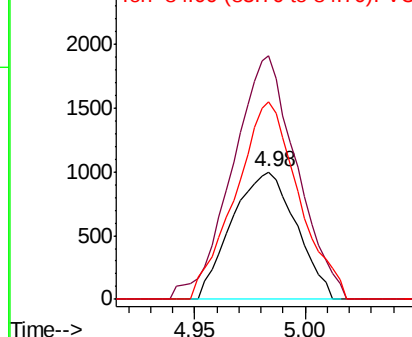
Instrument :
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Tot Ion: 56 Resp: 2015

Ion	Ratio	Lower	Upper
56	100		
69	178.6	24.0	36.0#
84	155.5	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: 54.157 ug/l

RT: 5.31 min Scan# 1285

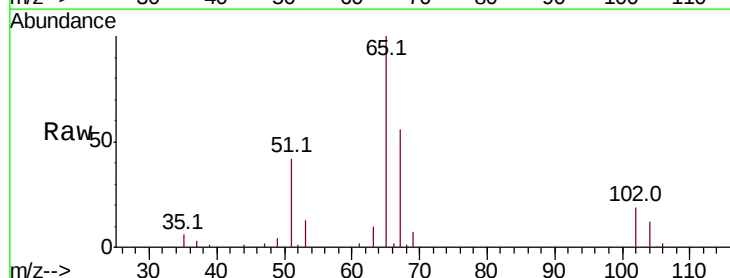
Delta R.T. -0.00 min

Lab File: VU028657.D

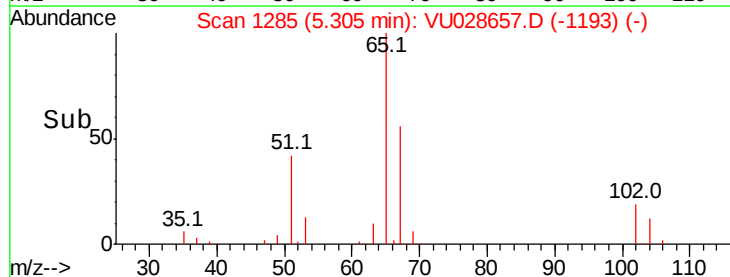
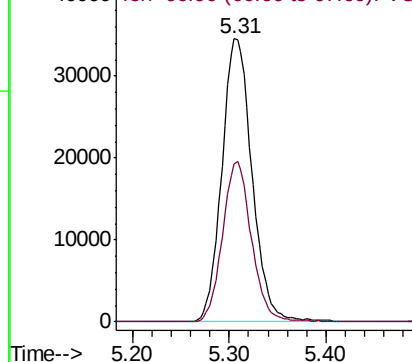
Acq: 12 Dec 2018 17:11

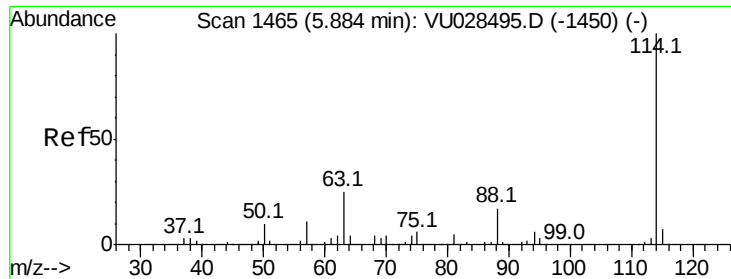
Tgt Ion: 65 Resp: 74918

Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	110.6



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

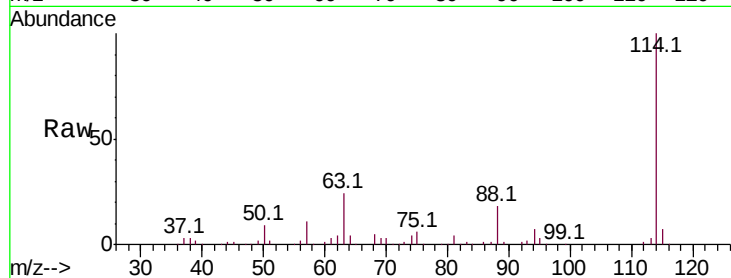




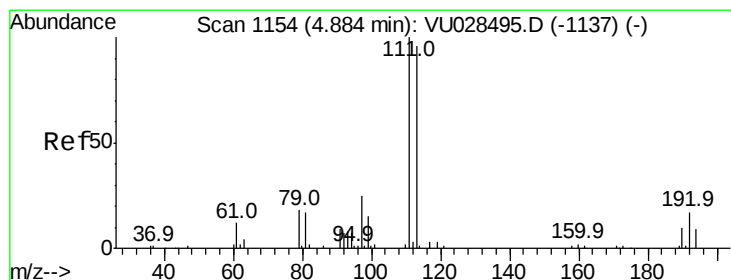
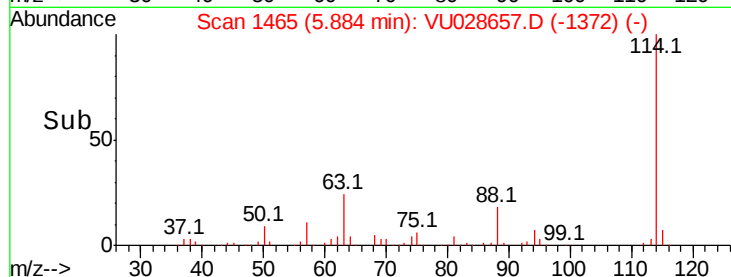
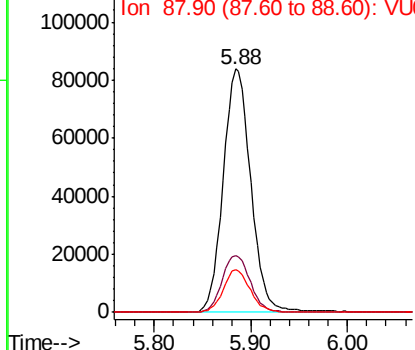
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028657.D
 Acq: 12 Dec 2018 17:11

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-HN-MW24IR-20181209

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	49.2
88	17.6	0.0	33.4

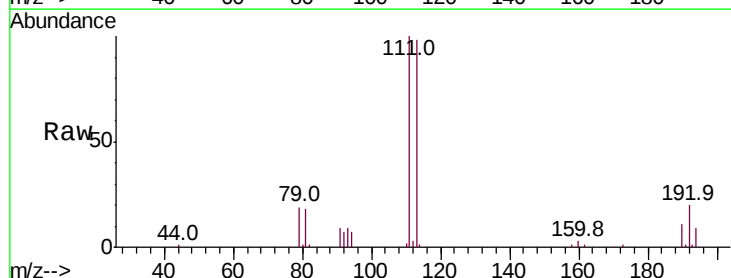


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

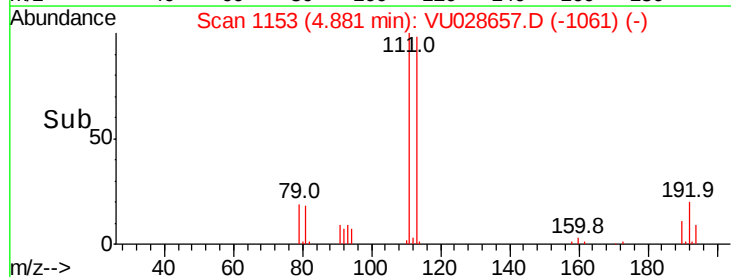
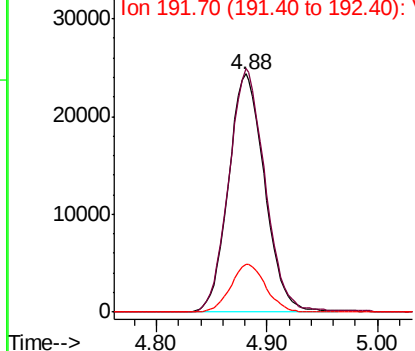


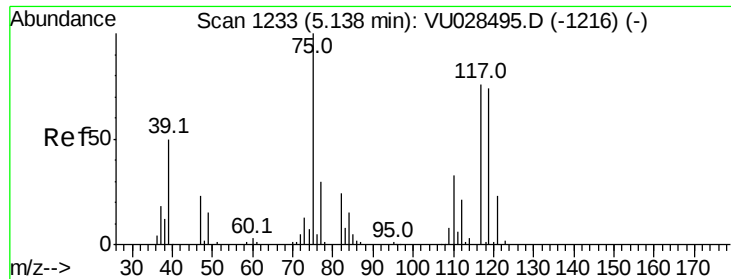
#35
 Dibromofluoromethane
 Concen: 52.801 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028657.D
 Acq: 12 Dec 2018 17:11

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.4	125.0
192	19.2	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: 4.372 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028657.D

Acq: 12 Dec 2018 17:11

Instrument :

MSVOA_U

ClientSampleId :

BP-HN-MW24IR-20181209

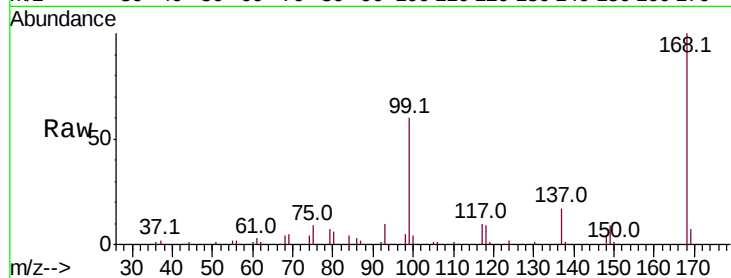
Tot Ion: 75 Resp: 7967

Ion Ratio Lower Upper

75 100

110 7.4 16.1 48.2#

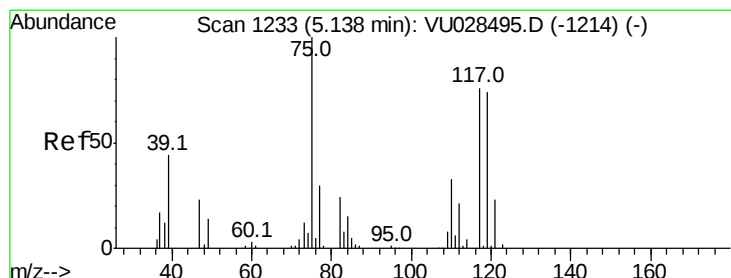
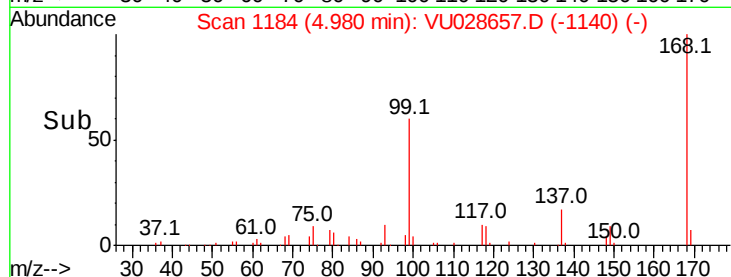
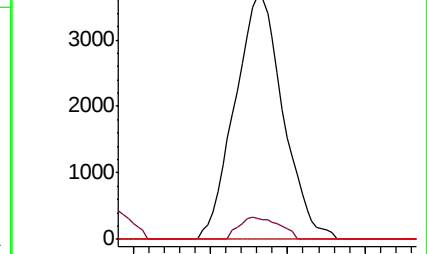
77 0.0 24.5 36.7#



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: 6.111 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028657.D

Acq: 12 Dec 2018 17:11

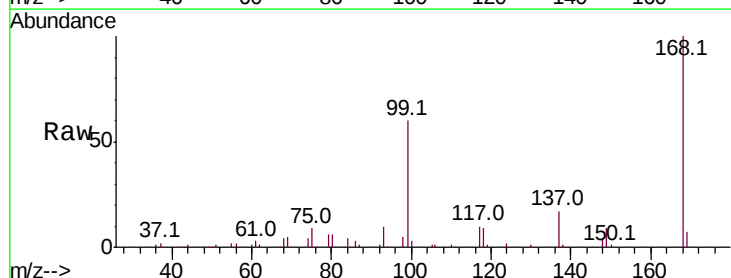
Tgt Ion: 117 Resp: 8976

Ion Ratio Lower Upper

117 100

119 5.3 77.6 116.4#

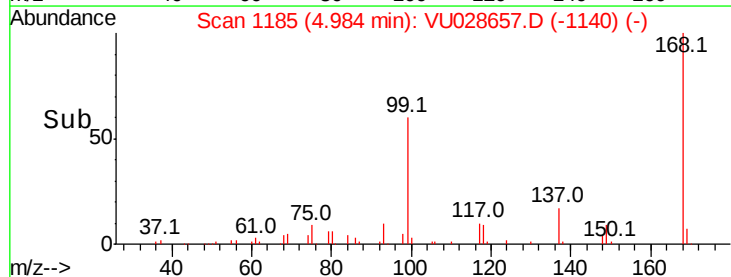
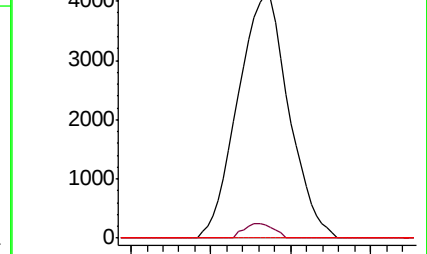
121 0.0 24.6 36.8#

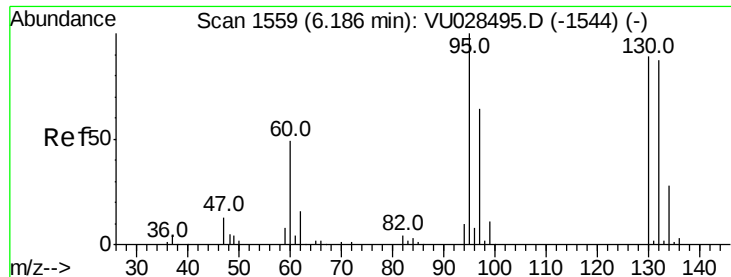


Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

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: 5.161 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028657.D

Acq: 12 Dec 2018 17:11

Instrument :

MSVOA_U

ClientSampleId :

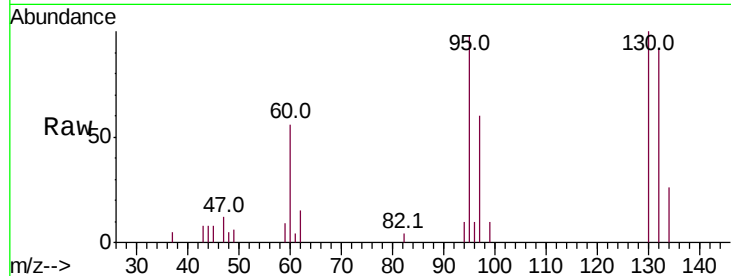
BP-HN-MW24IR-20181209

Tot Ion:130 Resp: 6159

Ion Ratio Lower Upper

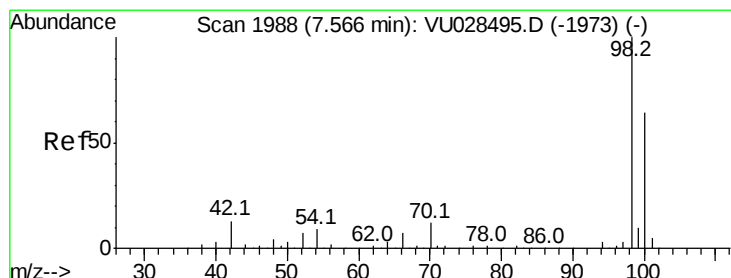
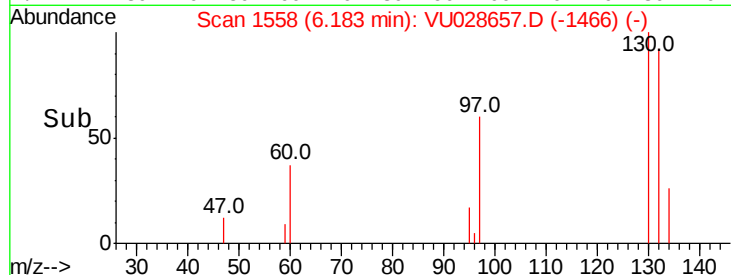
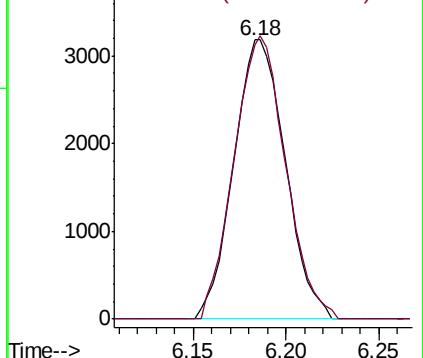
130 100

95 98.3 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



#50

Toluene-d8

Concen: 51.385 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU028657.D

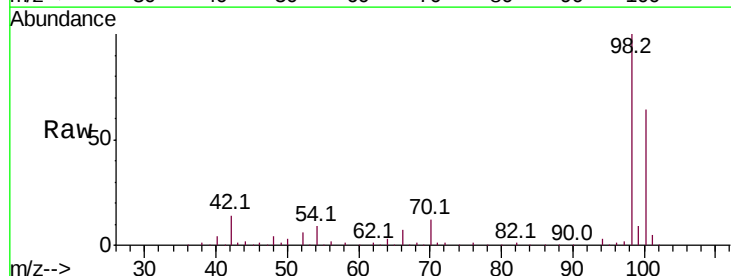
Acq: 12 Dec 2018 17:11

Tgt Ion: 98 Resp: 213012

Ion Ratio Lower Upper

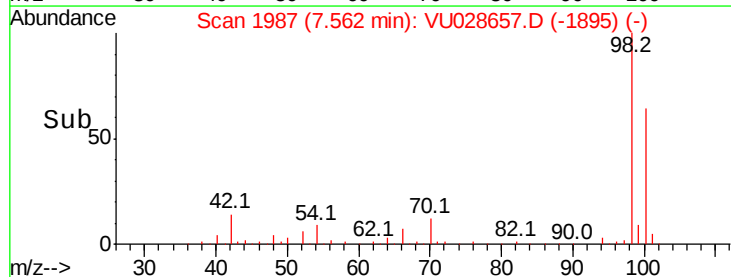
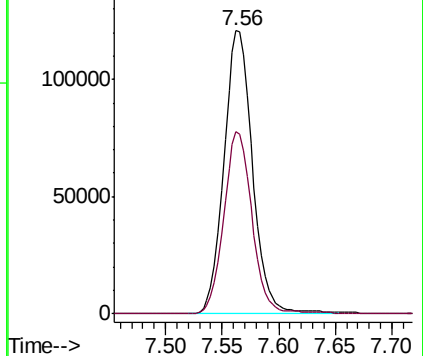
98 100

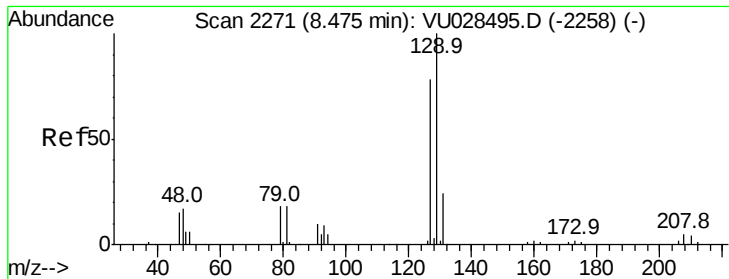
100 63.9 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#60

Dibromochloromethane

Concen: 3.446 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028657.D

Acq: 12 Dec 2018 17:11

Instrument :

MSVOA_U

ClientSampleId :

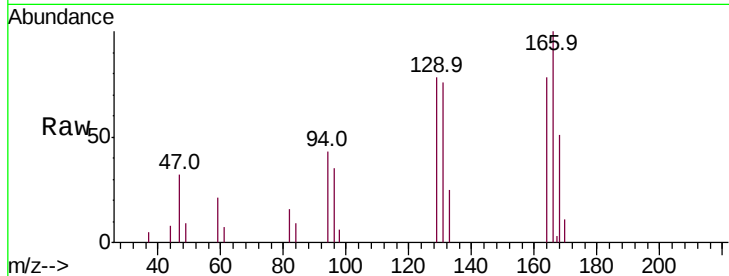
BP-HN-MW24IR-20181209

Tot Ion:129 Resp: 4212

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

8.23

2500

2000

1500

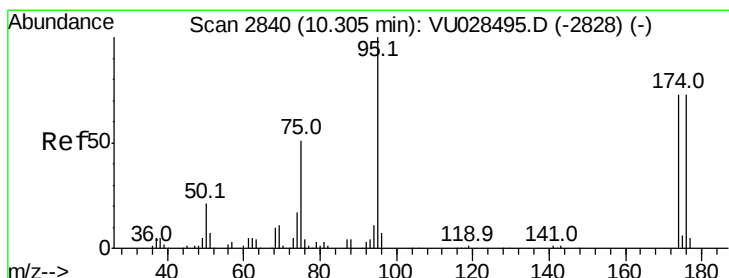
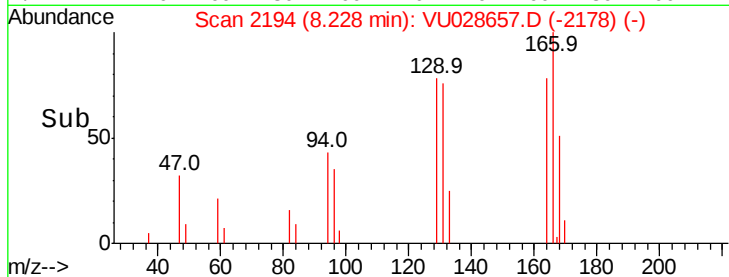
1000

500

0

8.20 8.25

Time-->



#62

4-Bromofluorobenzene

Concen: 44.927 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028657.D

Acq: 12 Dec 2018 17:11

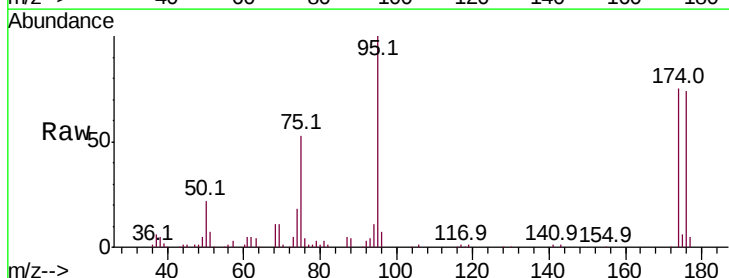
Tgt Ion: 95 Resp: 69611

Ion Ratio Lower Upper

95 100

174 76.0 0.0 150.4

176 74.9 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

60000

50000

40000

30000

20000

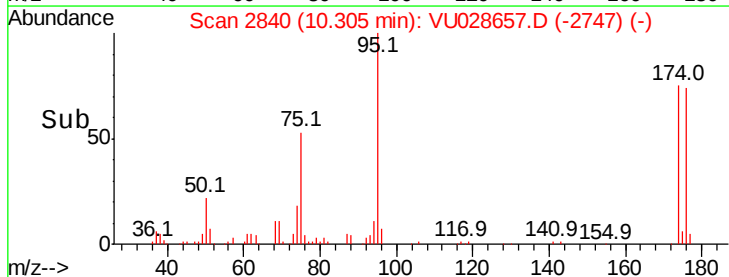
10000

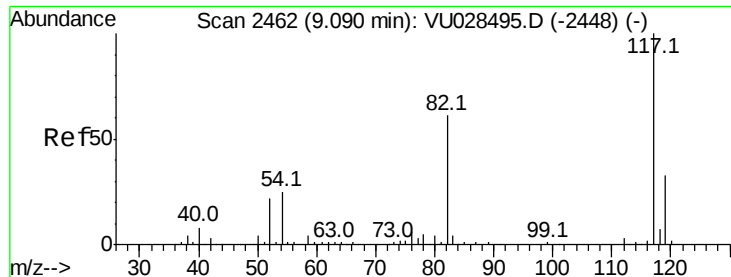
0

10.30

10.40

Time-->

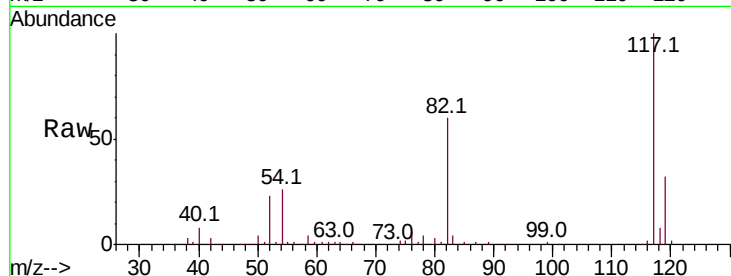




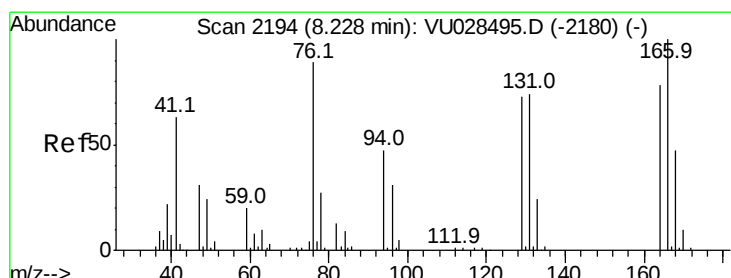
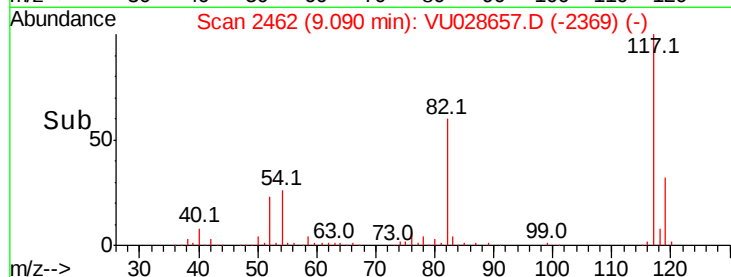
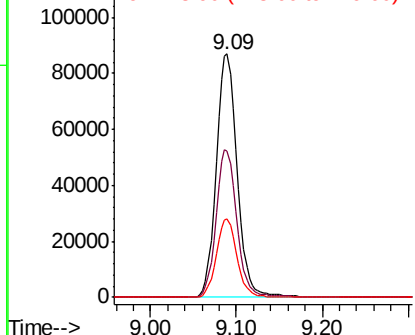
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028657.D
Acq: 12 Dec 2018 17:11

Instrument :
MSVOA_U
ClientSampleId :
BP-HN-MW24IR-20181209

Tot Ion:117 Resp: 147872
Ion Ratio Lower Upper
117 100
82 60.3 48.9 73.3
119 32.4 26.2 39.4

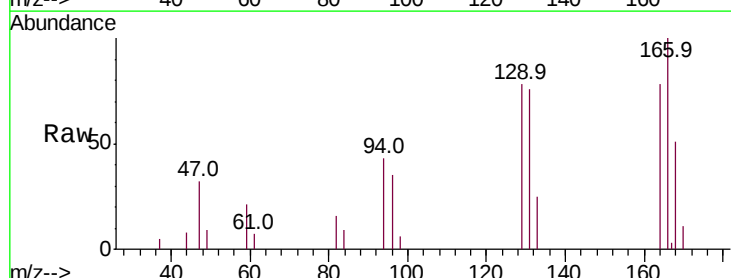


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

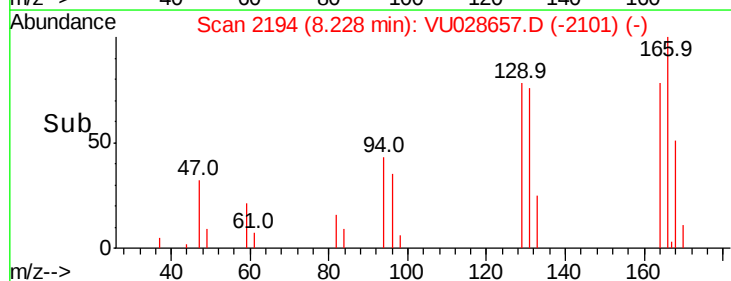
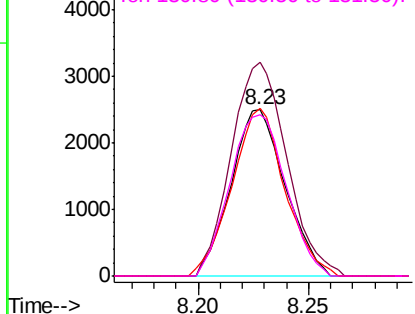


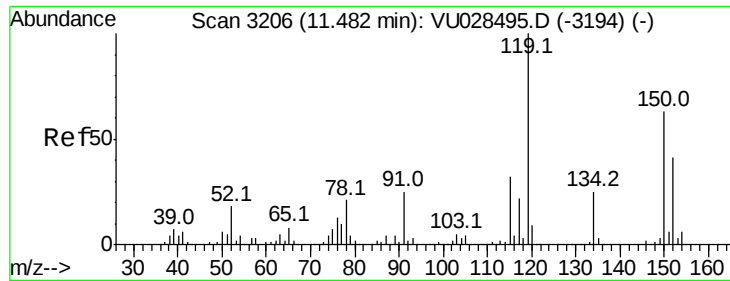
#64
Tetrachloroethene
Concen: 4.309 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028657.D
Acq: 12 Dec 2018 17:11

Tgt Ion:164 Resp: 4250
Ion Ratio Lower Upper
164 100
166 128.7 101.9 152.9
129 100.8 74.9 112.3
131 97.4 75.4 113.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



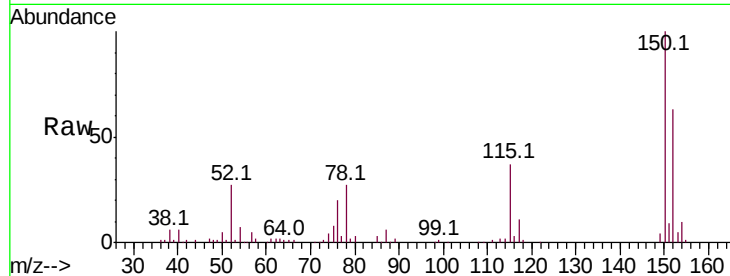


#72

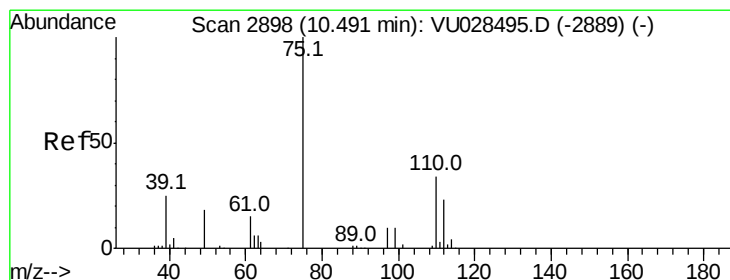
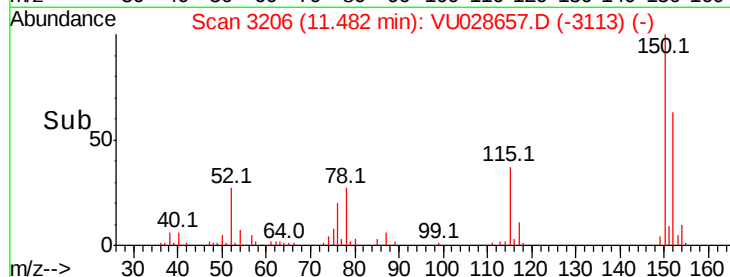
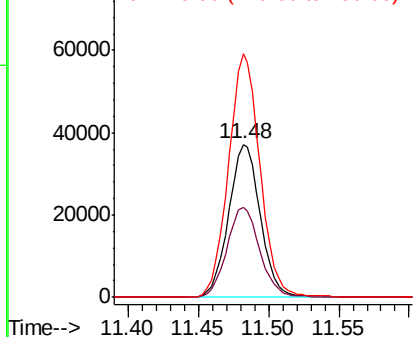
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028657.D
Acq: 12 Dec 2018 17:11

Instrument :
MSVOA_U
ClientSampleId :
BP-HN-MW24IR-20181209

Tot Ion:152 Resp: 58541
Ion Ratio Lower Upper
152 100
115 60.8 42.7 128.1
150 158.3 0.0 346.0



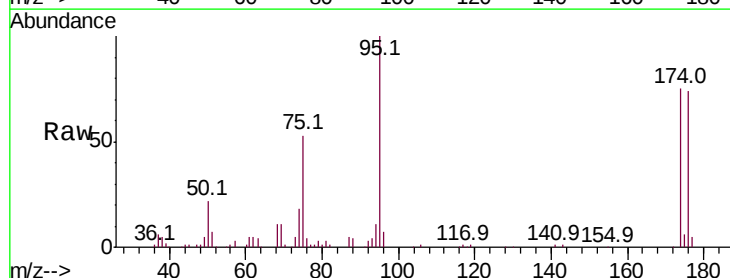
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



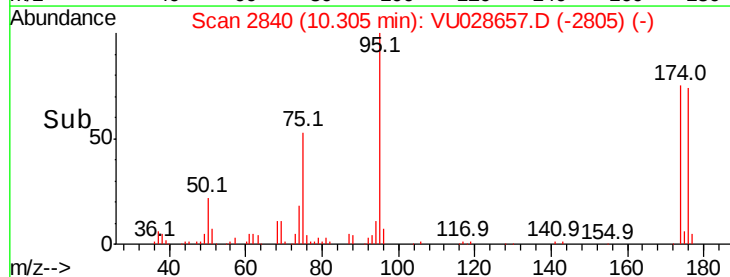
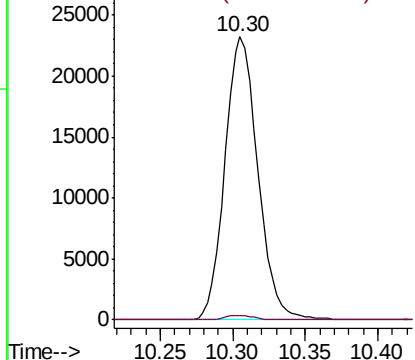
#76

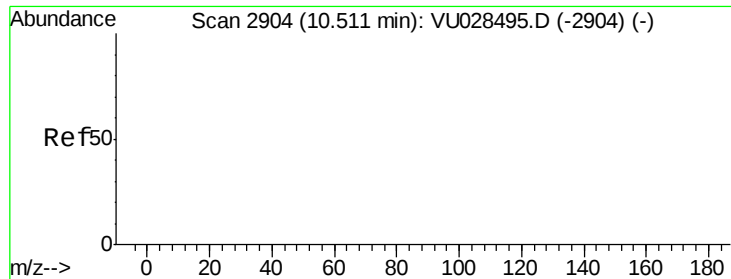
1,2,3-Trichloropropane
Concen: 24.443 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.19 min
Lab File: VU028657.D
Acq: 12 Dec 2018 17:11

Tgt Ion: 75 Resp: 36539
Ion Ratio Lower Upper
75 100
77 1.3 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: 59.992 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.21 min
Lab File: VU028657.D
Acq: 12 Dec 2018 17:11

Instrument :
MSVOA_U
ClientSampleId :
BP-HN-MW24IR-20181209

Tot Ion: 75 Resp: 36539
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

