

Data File : VU027007.D
Acq On : 22 Sep 2018 09:14
Operator : MD/SY
Sample : J4958-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BPSI-HN-MW24IR-20180914

Quant Time: Sep 24 02:46:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	74272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	146264	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	151296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73002	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	91659	61.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.64%	
35) Dibromofluoromethane	4.89	113	66903	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	
50) Toluene-d8	7.57	98	245250	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	10.31	95	81643	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	

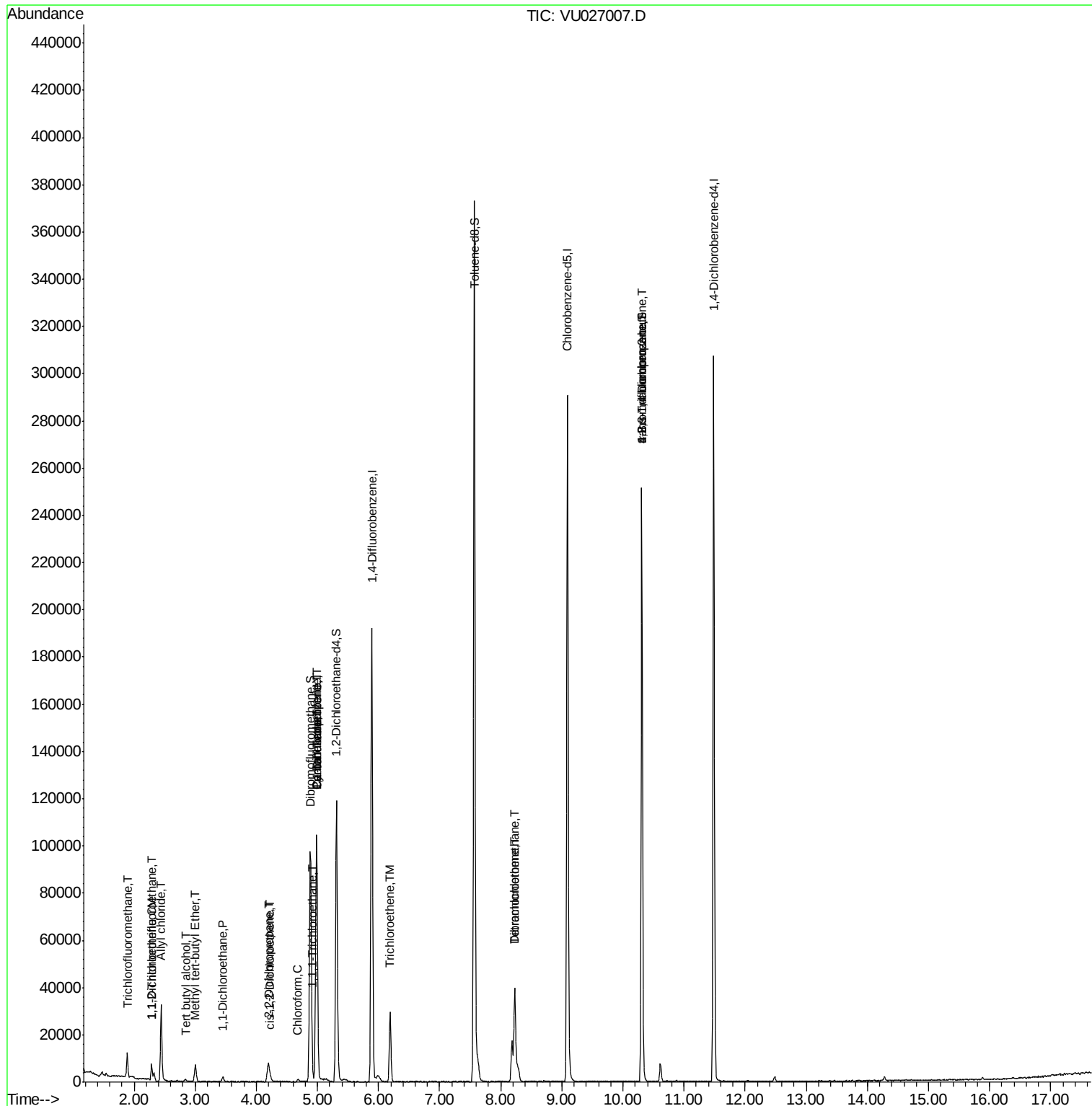
Target Compounds			Qvalue			
7) Trichlorofluoromethane	1.89	101	5847	3.299	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	441	0.405	ug/l	98
11) Tert butyl alcohol	2.83	59	312	0.911	ug/l #	72
12) 1,1-Dichloroethene	2.29	96	1744	1.700	ug/l	91
14) Allyl chloride	2.44	41	2968	1.427	ug/l #	63
16) Acetone	2.32	43	3930	Below Cal		90
19) Methyl tert-butyl Ether	3.00	73	6728	1.785	ug/l	94
24) 1,1-Dichloroethane	3.45	63	2769	1.130	ug/l #	88
26) 2,2-Dichloropropane	4.20	77	404	0.211	ug/l #	55
27) cis-1,2-Dichloroethene	4.24	96	706	0.571	ug/l	71
30) Chloroform	4.68	83	762	0.335	ug/l	90
31) Cyclohexane	4.98	56	1885	0.274	ug/l #	1
32) 1,1,1-Trichloroethane	4.92	97	537	0.296	ug/l #	35
36) 1,1-Dichloropropene	4.99	75	6972	3.572	ug/l #	48
38) Carbon Tetrachloride	4.98	117	7637	4.111	ug/l #	19
44) Trichloroethene	6.19	130	10215	8.086	ug/l	97
60) Dibromochloromethane	8.23	129	7475	5.287	ug/l #	11
64) Tetrachloroethene	8.23	164	7387	6.336	ug/l	97
76) 1,2,3-Trichloropropane	10.31	75	44656	20.135	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	44656	64.437	ug/l #	100

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027007.D

Acq: 22 Sep 2018 09:14

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MSVOA_U

ClientSampleId :

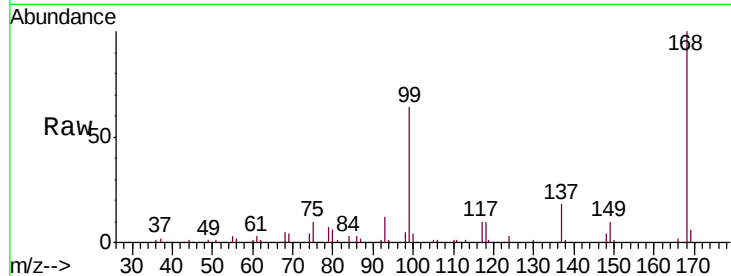
BPSI-HN-MW24IR-20180914

Tgt Ion:168 Resp: 74272

Ion Ratio Lower Upper

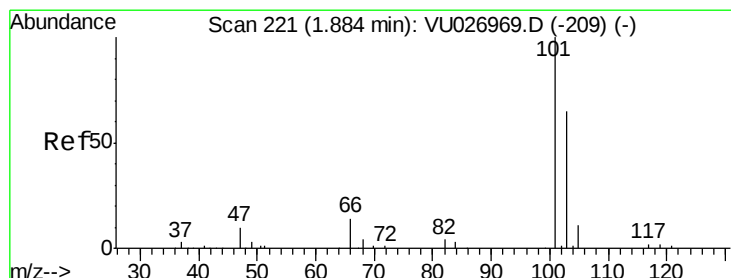
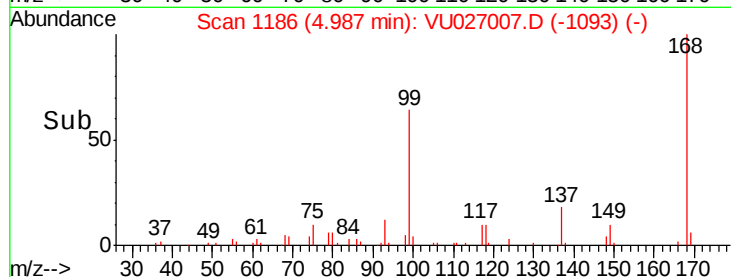
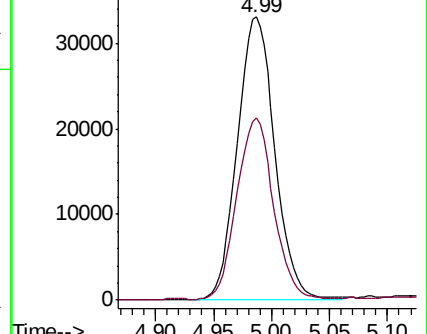
168 100

99 63.9 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#7

Trichlorofluoromethane

Concen: 3.299 ug/l

RT: 1.89 min Scan# 223

Delta R.T. 0.01 min

Lab File: VU027007.D

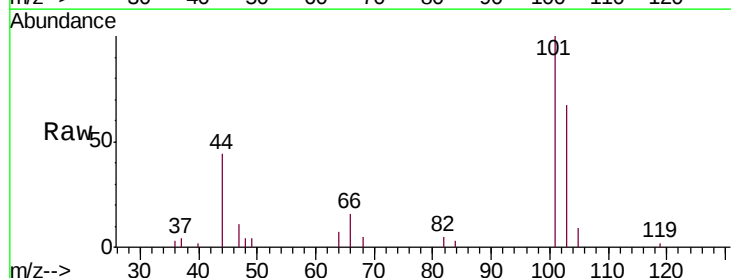
Acq: 22 Sep 2018 09:14

Tgt Ion:101 Resp: 5847

Ion Ratio Lower Upper

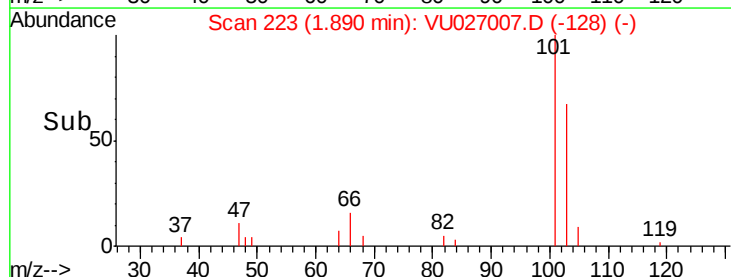
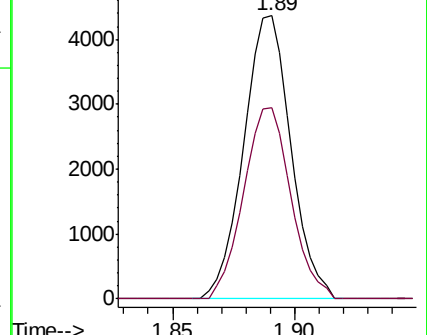
101 100

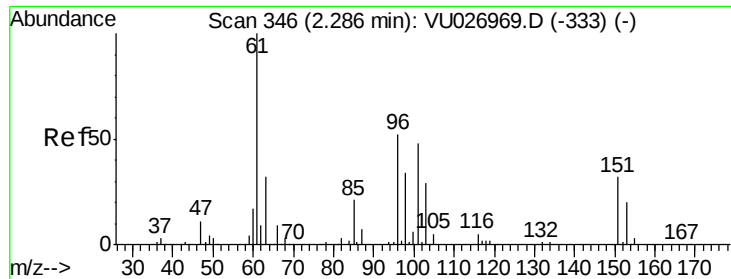
103 67.4 52.2 78.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.405 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027007.D

Acq: 22 Sep 2018 09:14

Instrument :

MSVOA_U

ClientSampleId :

BPSI-HN-MW24IR-20180914

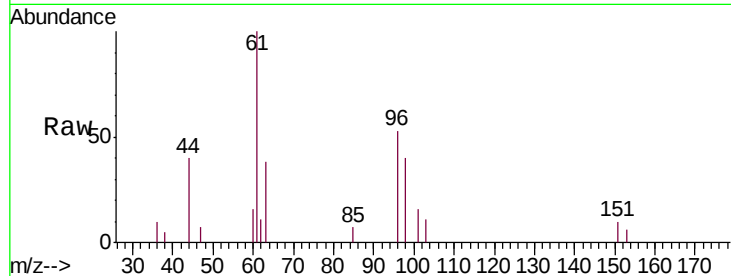
Tgt Ion:101 Resp: 441

Ion Ratio Lower Upper

101 100

85 44.9 36.2 54.2

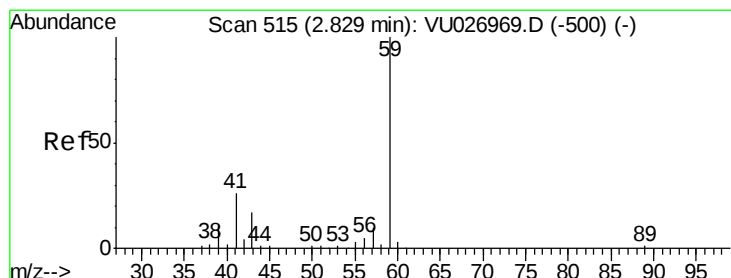
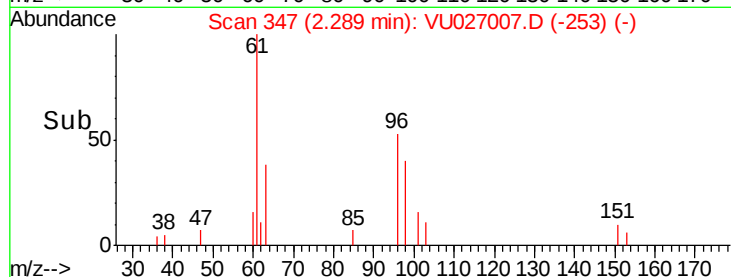
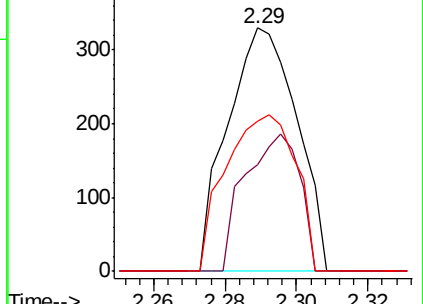
151 65.1 54.5 81.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 0.911 ug/l

RT: 2.83 min Scan# 515

Delta R.T. 0.00 min

Lab File: VU027007.D

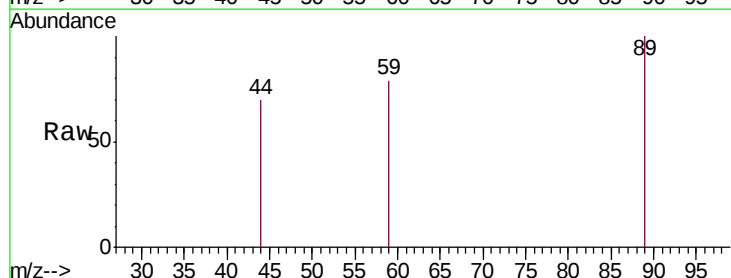
Acq: 22 Sep 2018 09:14

Tgt Ion: 59 Resp: 312

Ion Ratio Lower Upper

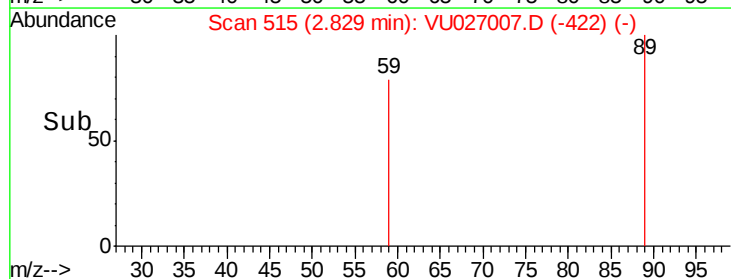
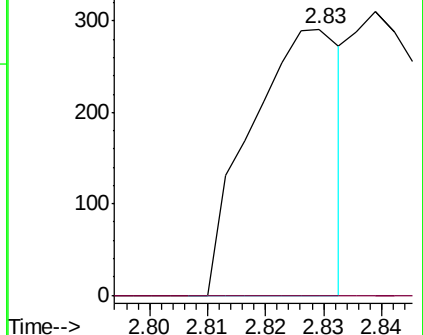
59 100

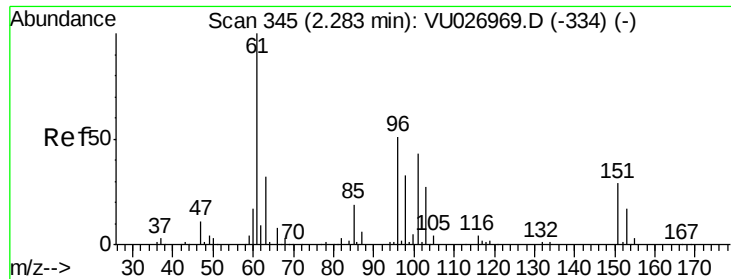
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#12

1,1-Dichloroethene

Concen: 1.700 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027007.D

Acq: 22 Sep 2018 09:14

Instrument :

MSVOA_U

ClientSampleId :

BPSI-HN-MW24IR-20180914

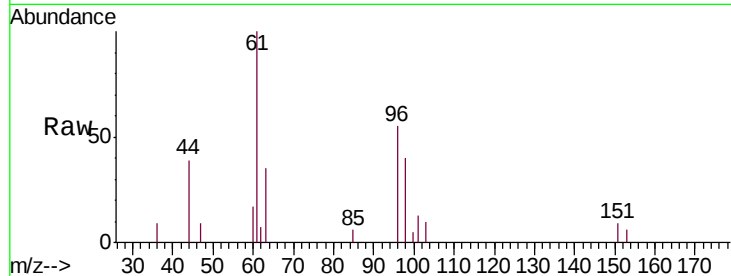
Tgt Ion: 96 Resp: 1744

Ion Ratio Lower Upper

96 100

61 182.5 156.1 234.1

98 72.6 51.4 77.0

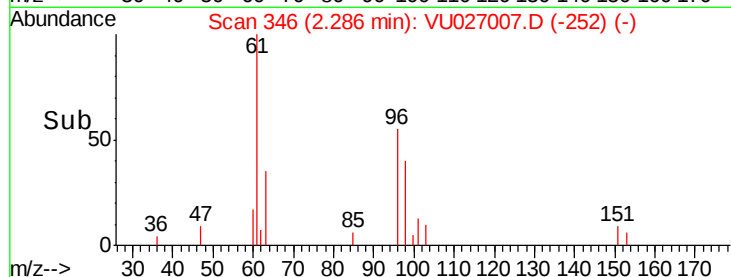


Abundance Ion 95.90 (95.60 to 96.60): VU026969.D (-334) (-)

Ion 60.90 (60.60 to 61.60): VU026969.D (-334) (-)

Ion 97.90 (97.60 to 98.60): VU026969.D (-334) (-)

Time-->

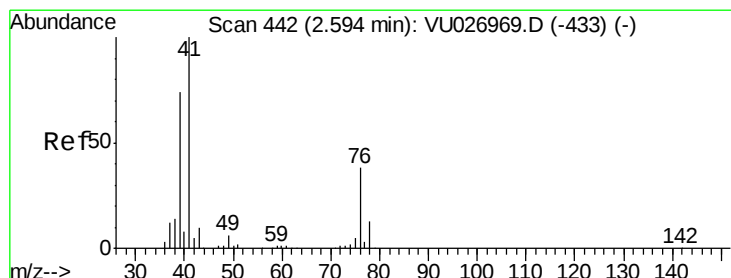


Abundance Ion 95.90 (95.60 to 96.60): VU027007.D (-252) (-)

Ion 60.90 (60.60 to 61.60): VU027007.D (-252) (-)

Ion 97.90 (97.60 to 98.60): VU027007.D (-252) (-)

Time-->



#14

Allyl chloride

Concen: 1.427 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.15 min

Lab File: VU027007.D

Acq: 22 Sep 2018 09:14

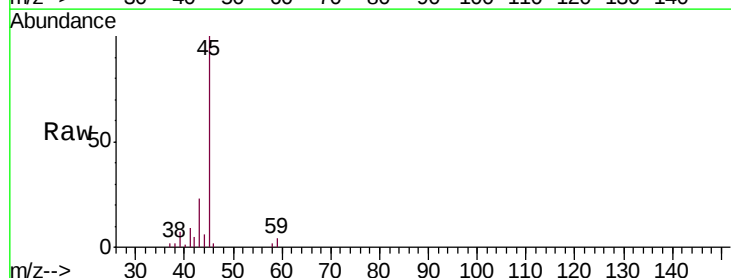
Tgt Ion: 41 Resp: 2968

Ion Ratio Lower Upper

41 100

39 92.0 55.7 83.5#

76 0.0 26.5 39.7#

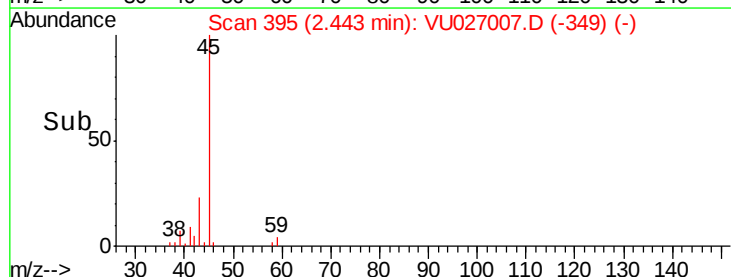


Abundance Ion 41.00 (40.70 to 41.70): VU026969.D (-433) (-)

Ion 39.00 (38.70 to 39.70): VU026969.D (-433) (-)

Ion 75.90 (75.60 to 76.60): VU026969.D (-433) (-)

Time-->

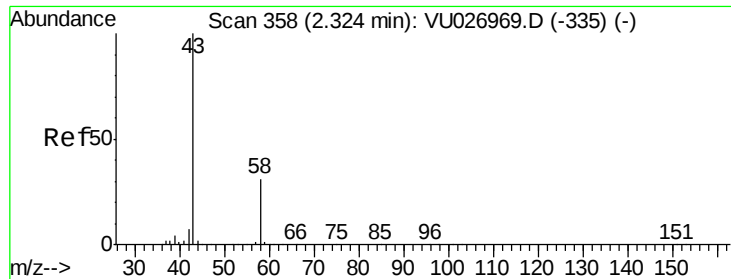


Abundance Ion 41.00 (40.70 to 41.70): VU027007.D (-349) (-)

Ion 39.00 (38.70 to 39.70): VU027007.D (-349) (-)

Ion 75.90 (75.60 to 76.60): VU027007.D (-349) (-)

Time-->



#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027007.D

Acq: 22 Sep 2018 09:14

Instrument :

MSVOA_U

ClientSampleId :

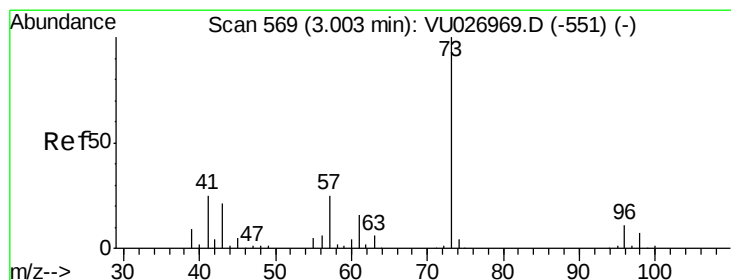
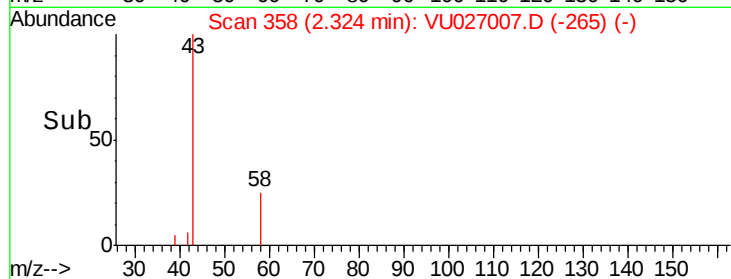
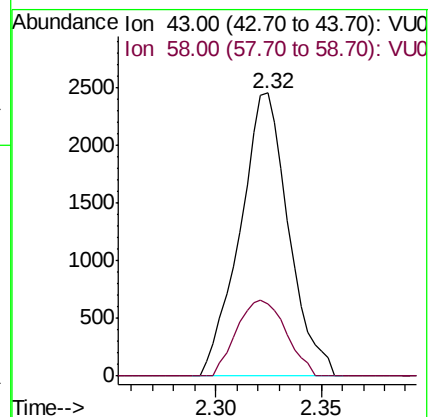
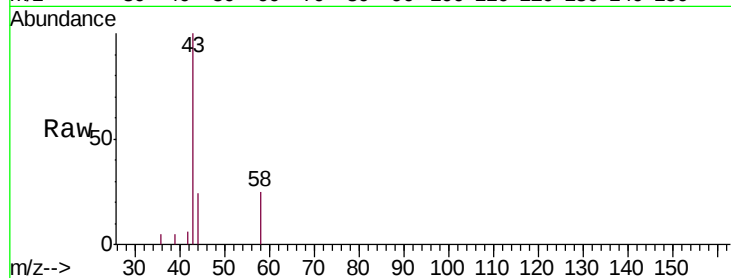
BPSI-HN-MW24IR-20180914

Tgt Ion: 43 Resp: 3930

Ion Ratio Lower Upper

43 100

58 25.4 24.6 36.8



#19

Methyl tert-butyl Ether

Concen: 1.785 ug/l

RT: 3.00 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU027007.D

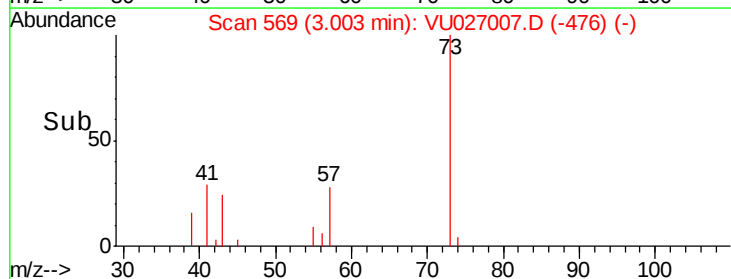
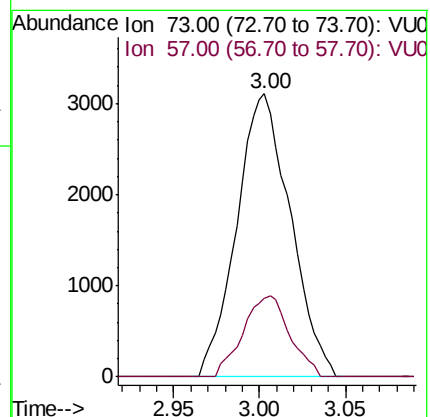
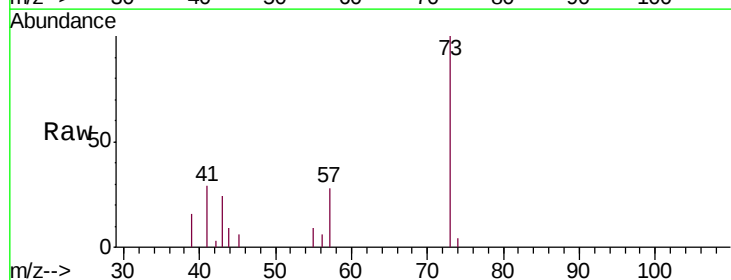
Acq: 22 Sep 2018 09:14

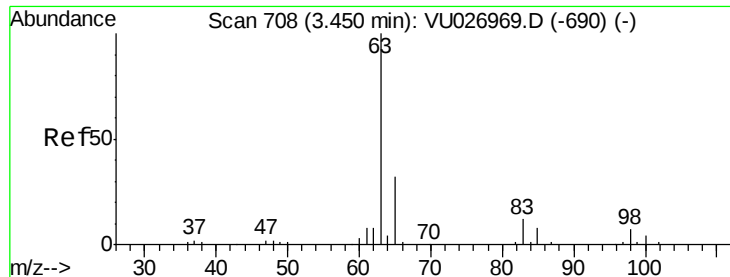
Tgt Ion: 73 Resp: 6728

Ion Ratio Lower Upper

73 100

57 27.6 19.8 29.6





#24

1,1-Dichloroethane

Concen: 1.130 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027007.D

Acq: 22 Sep 2018 09:14

Instrument :

MSVOA_U

ClientSampleId :

BPSI-HN-MW24IR-20180914

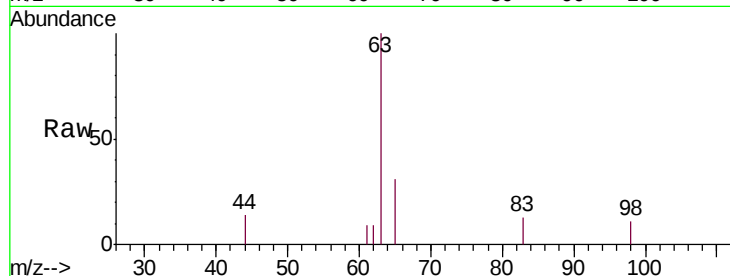
Tgt Ion: 63 Resp: 2769

Ion Ratio Lower Upper

63 100

98 10.6 3.3 9.8#

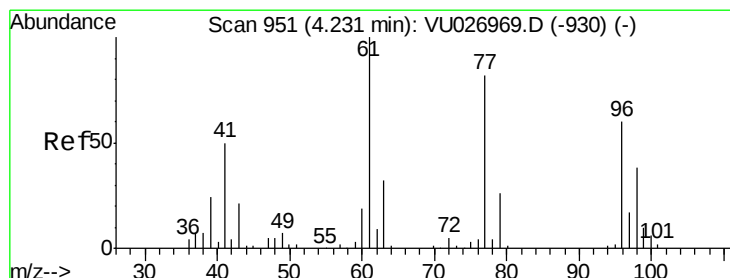
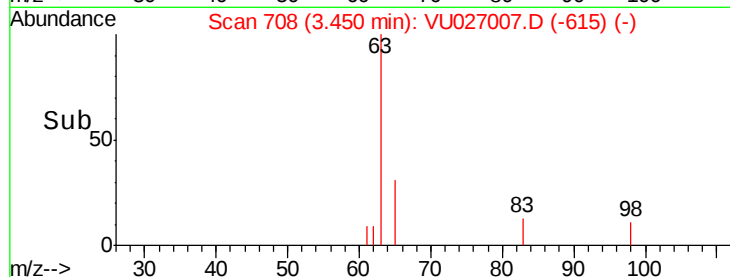
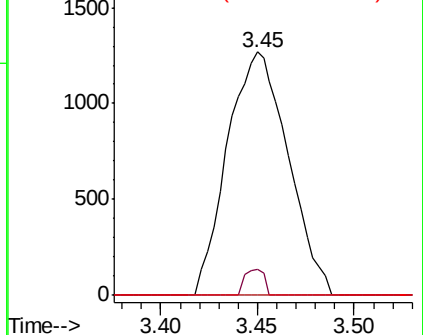
100 0.0 2.0 5.8#



Abundance Ion 62.90 (62.60 to 63.60): VU026969.D (-690) (-)

Ion 97.90 (97.60 to 98.60): VU026969.D (-690) (-)

Ion 99.90 (99.60 to 100.60): VU026969.D (-690) (-)



#26

2,2-Dichloropropane

Concen: 0.211 ug/l

RT: 4.20 min Scan# 941

Delta R.T. -0.03 min

Lab File: VU027007.D

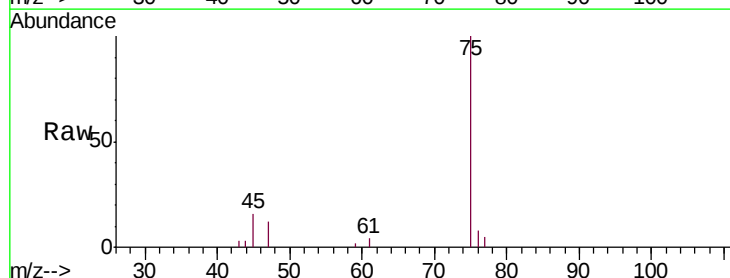
Acq: 22 Sep 2018 09:14

Tgt Ion: 77 Resp: 404

Ion Ratio Lower Upper

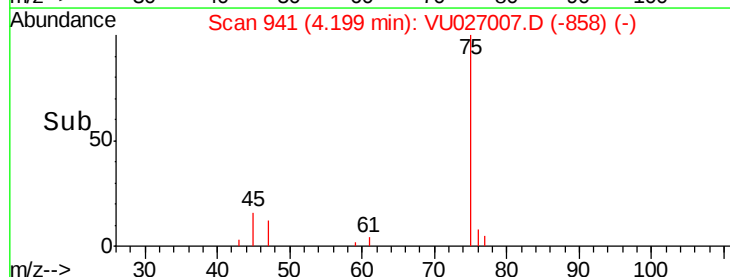
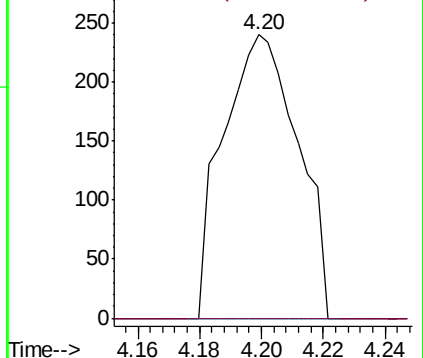
77 100

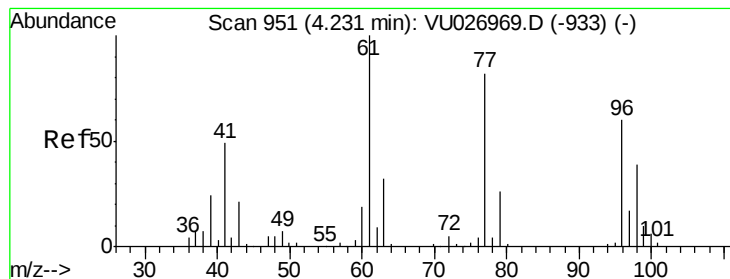
97 0.0 10.5 31.5#



Abundance Ion 76.90 (76.60 to 77.60): VU026969.D (-930) (-)

Ion 96.90 (96.60 to 97.60): VU026969.D (-930) (-)



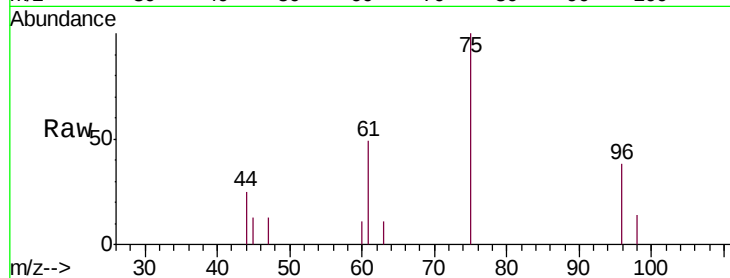


#27

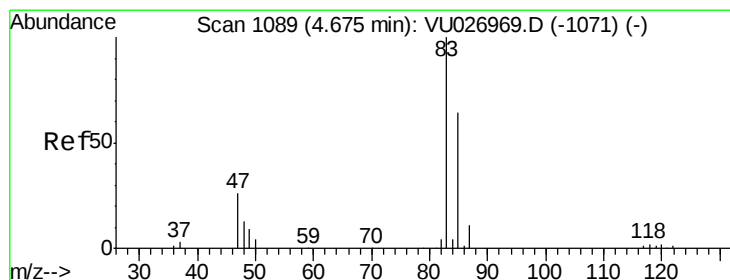
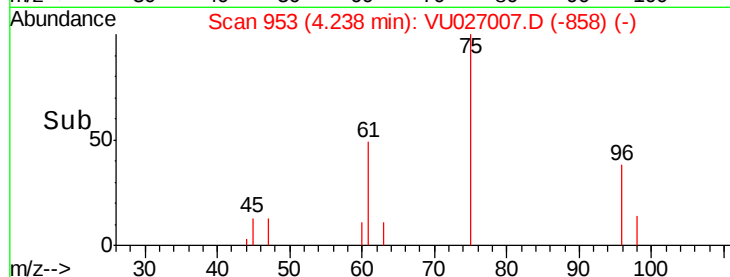
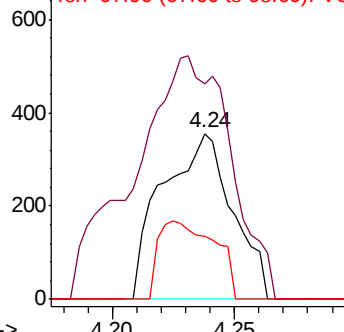
cis-1,2-Dichloroethene
 Concen: 0.571 ug/l
 RT: 4.24 min Scan# 953
 Delta R.T. 0.01 min
 Lab File: VU027007.D
 Acq: 22 Sep 2018 09:14

Instrument :
 MSVOA_U
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 BPSI-HN-MW24IR-20180914

Tgt Ion: 96 Resp: 706
 Ion Ratio Lower Upper
 96 100
 61 205.8 0.0 337.2
 98 38.2 0.0 127.6



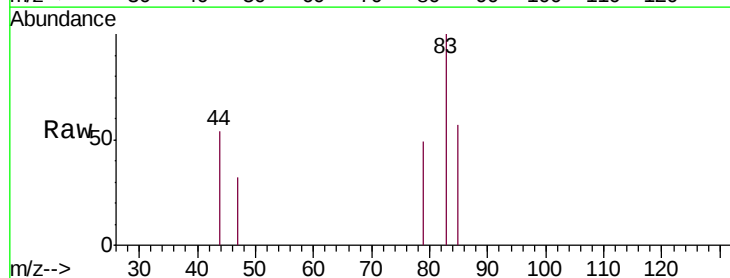
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



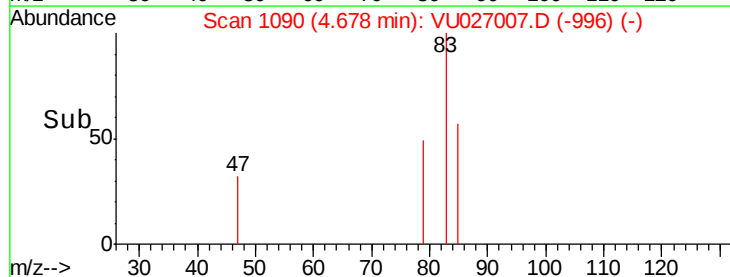
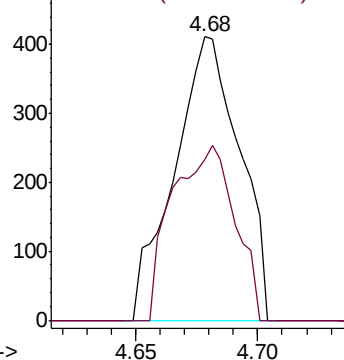
#30

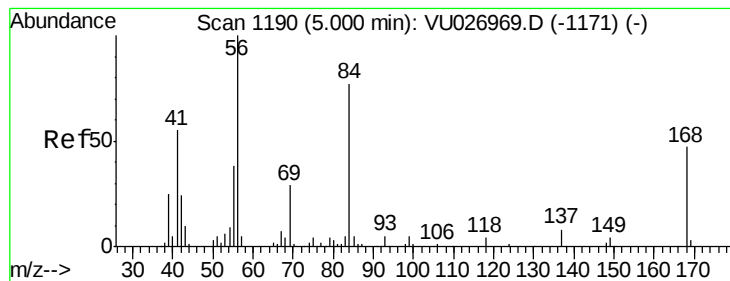
Chloroform
 Concen: 0.335 ug/l
 RT: 4.68 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VU027007.D
 Acq: 22 Sep 2018 09:14

Tgt Ion: 83 Resp: 762
 Ion Ratio Lower Upper
 83 100
 85 56.9 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0





#31

Cyclohexane

Concen: 0.274 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.02 min

Lab File: VU027007.D

Acq: 22 Sep 2018 09:14

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BPSI-HN-MW24IR-20180914

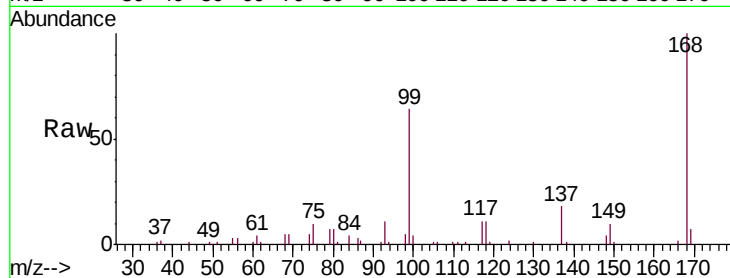
Tgt Ion: 56 Resp: 1885

Ion Ratio Lower Upper

56 100

69 163.3 23.0 34.4#

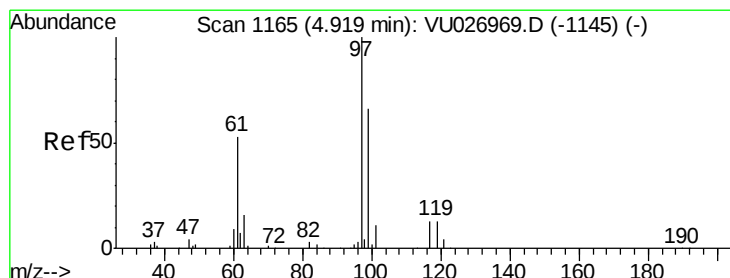
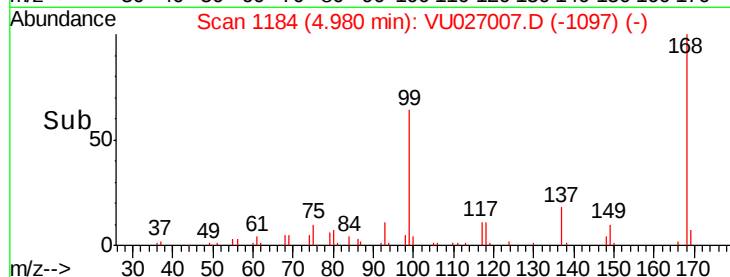
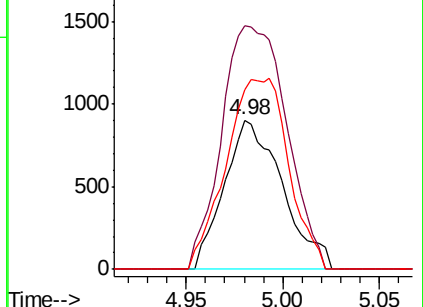
84 120.2 61.4 92.2#



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



#32

1,1,1-Trichloroethane

Concen: 0.296 ug/l

RT: 4.92 min Scan# 1166

Delta R.T. 0.00 min

Lab File: VU027007.D

Acq: 22 Sep 2018 09:14

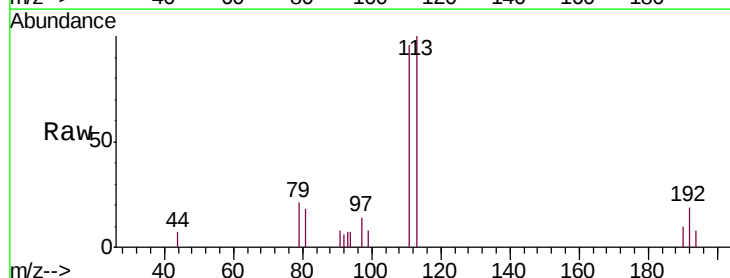
Tgt Ion: 97 Resp: 537

Ion Ratio Lower Upper

97 100

99 0.0 51.8 77.6#

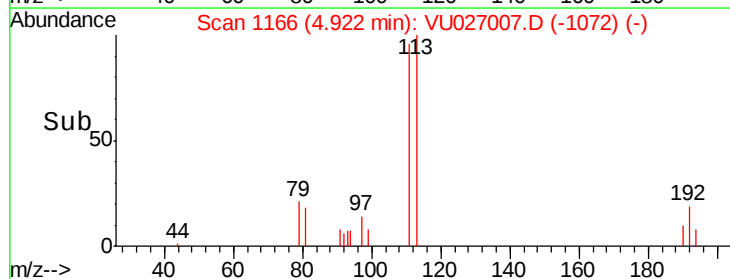
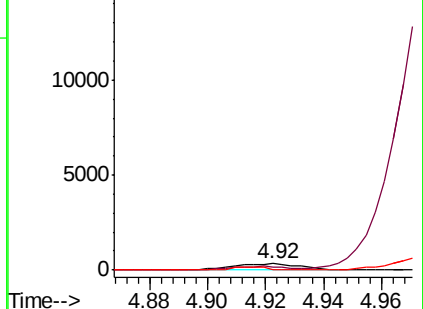
61 20.5 41.1 61.7#

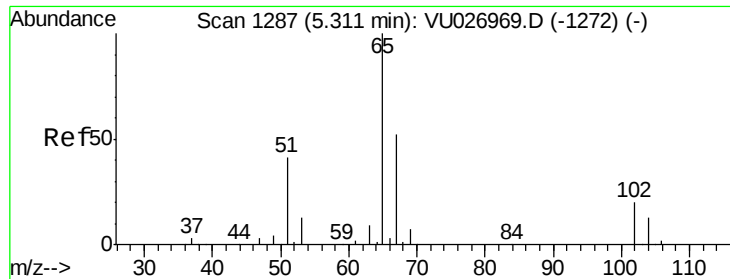


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

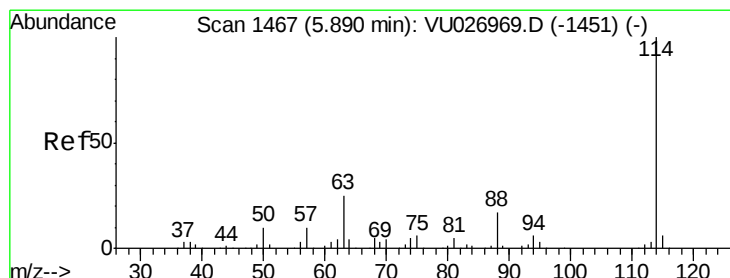
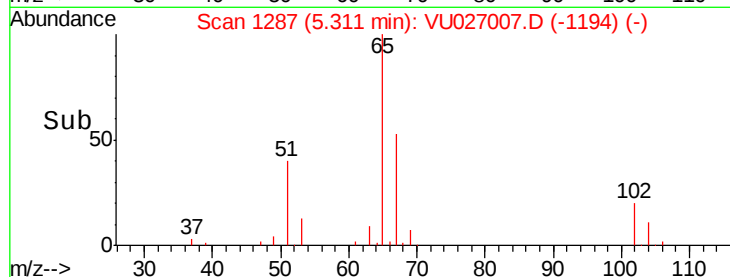
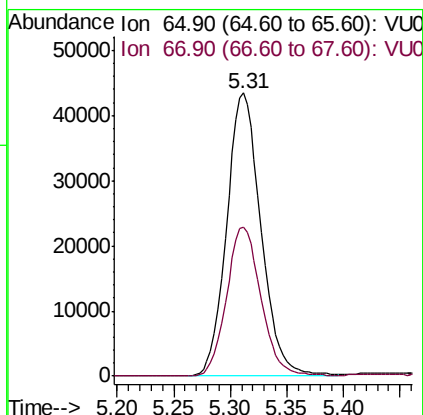
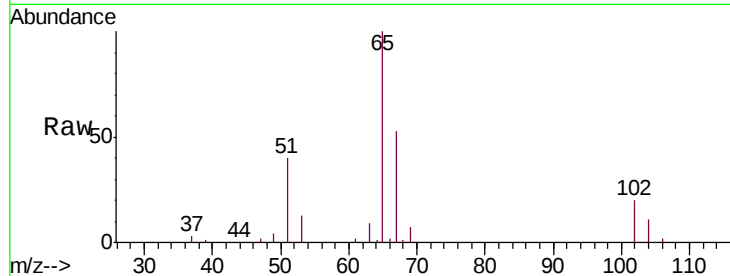




#33
 1,2-Dichloroethane-d4
 Concen: 61.317 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027007.D
 Acq: 22 Sep 2018 09:14

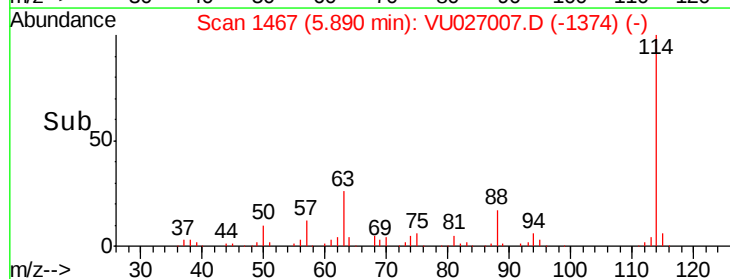
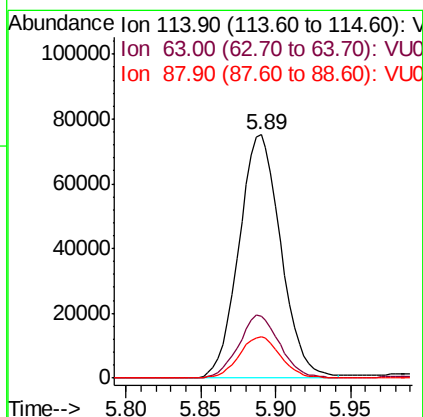
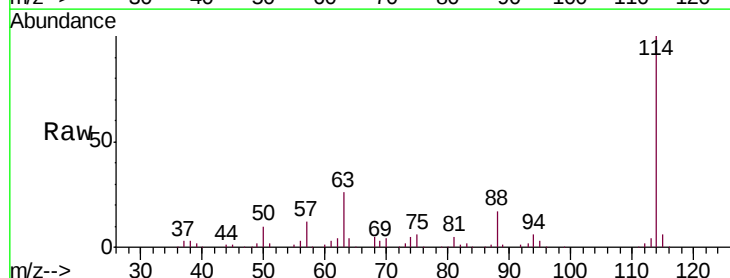
Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-HN-MW24IR-20180914

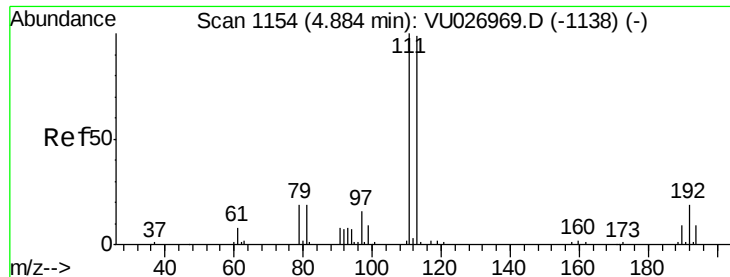
Tgt Ion: 65 Resp: 91659
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027007.D
 Acq: 22 Sep 2018 09:14

Tgt Ion: 114 Resp: 146264
 Ion Ratio Lower Upper
 114 100
 63 25.6 0.0 49.2
 88 16.8 0.0 33.8

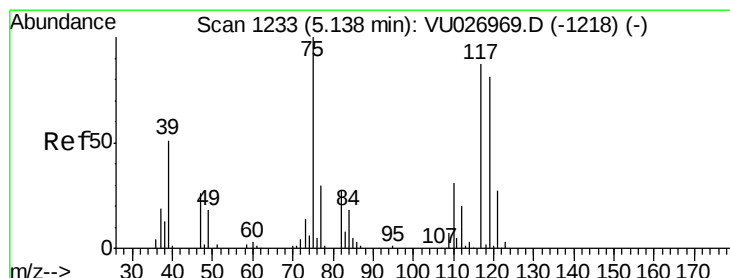
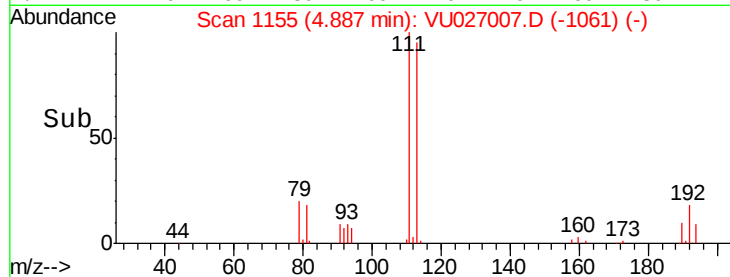
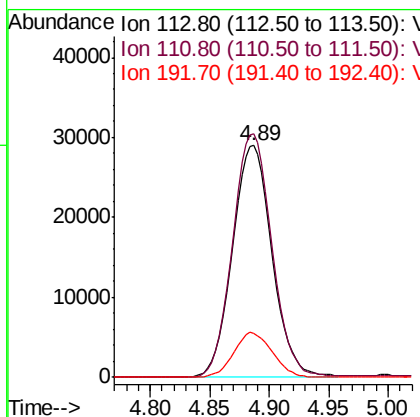
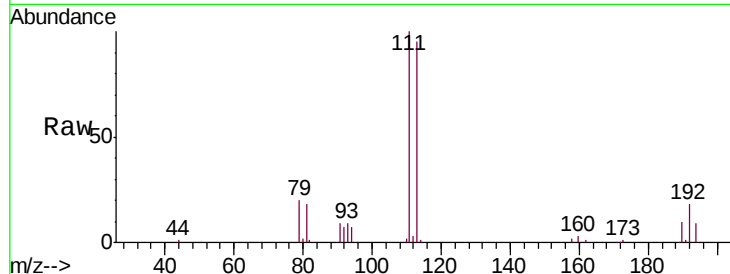




#35
 Dibromofluoromethane
 Concen: 52.770 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027007.D
 Acq: 22 Sep 2018 09:14

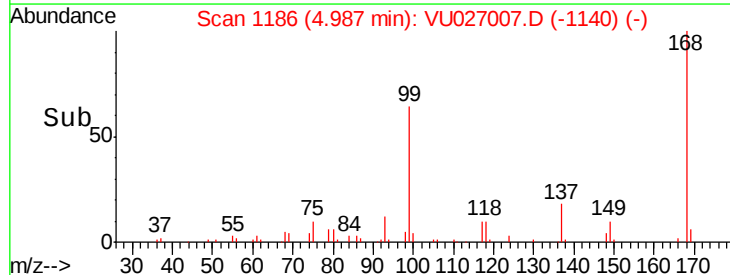
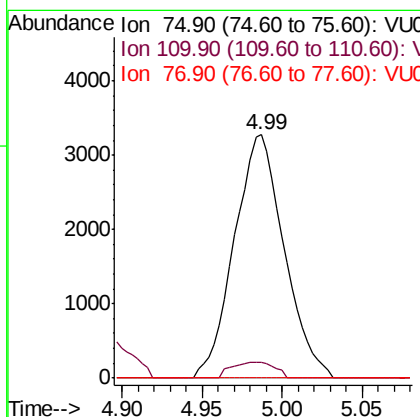
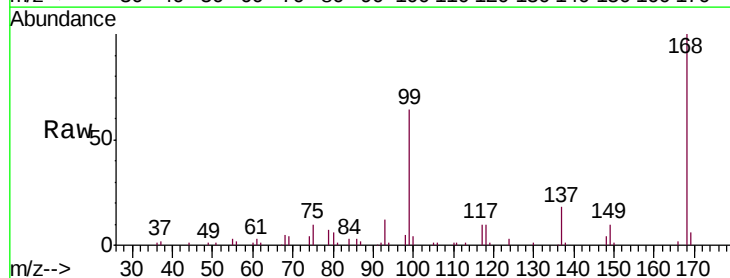
Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-HN-MW24IR-20180914

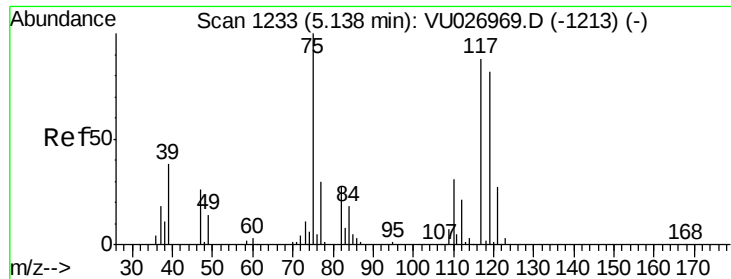
Tgt Ion:113 Resp: 66903
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.2 123.4
 192 18.7 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 3.572 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027007.D
 Acq: 22 Sep 2018 09:14

Tgt Ion: 75 Resp: 6972
 Ion Ratio Lower Upper
 75 100
 110 5.6 16.1 48.2#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 4.111 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027007.D

Acq: 22 Sep 2018 09:14

Instrument :

MSVOA_U

ClientSampleId :

BPSI-HN-MW24IR-20180914

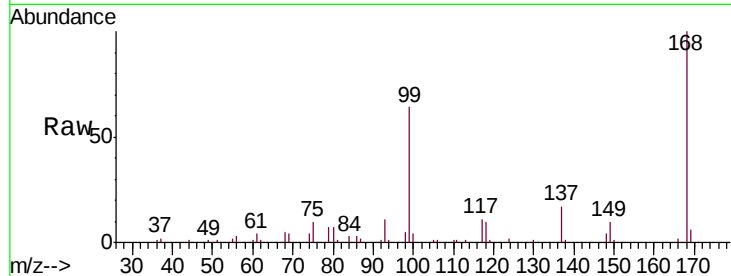
Tgt Ion:117 Resp: 7637

Ion Ratio Lower Upper

117 100

119 7.3 74.4 111.6#

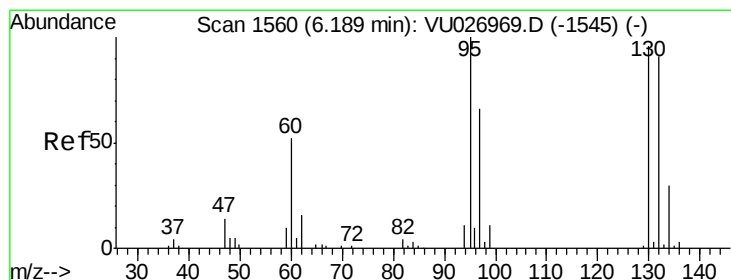
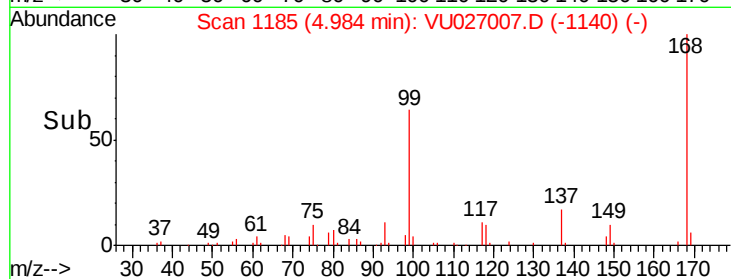
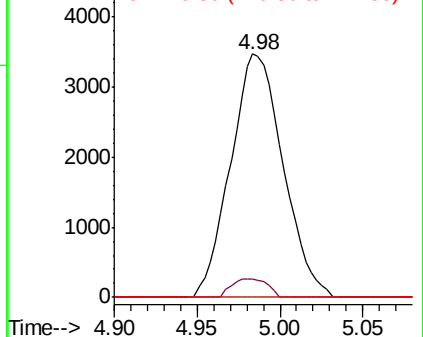
121 0.0 24.2 36.4#



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



#44

Trichloroethene

Concen: 8.086 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027007.D

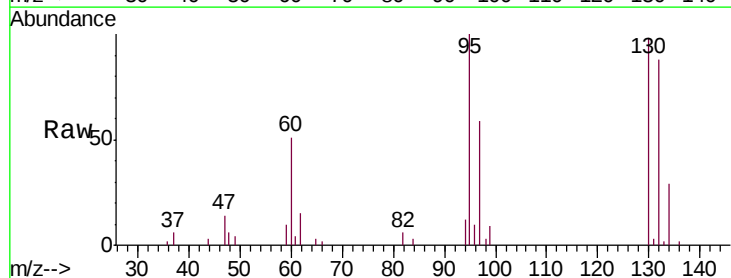
Acq: 22 Sep 2018 09:14

Tgt Ion:130 Resp: 10215

Ion Ratio Lower Upper

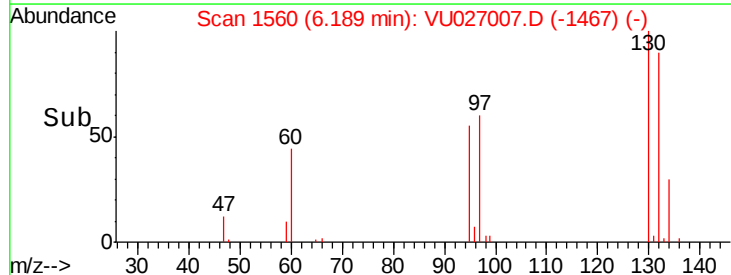
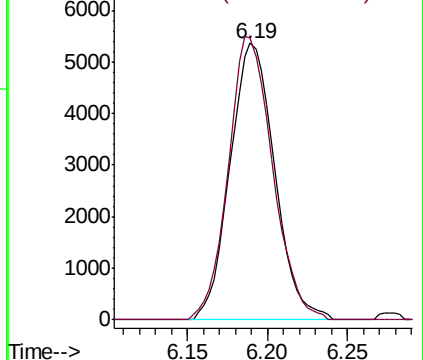
130 100

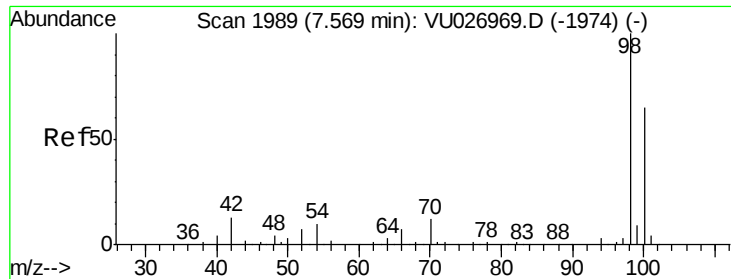
95 101.8 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#50

Toluene-d8

Concen: 50.758 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027007.D

Acq: 22 Sep 2018 09:14

Instrument :

MSVOA_U

ClientSampleId :

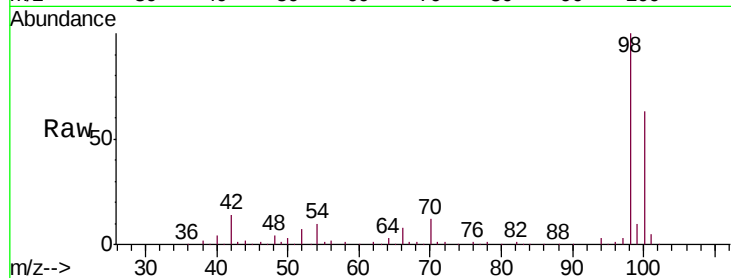
BPSI-HN-MW24IR-20180914

Tgt Ion: 98 Resp: 245250

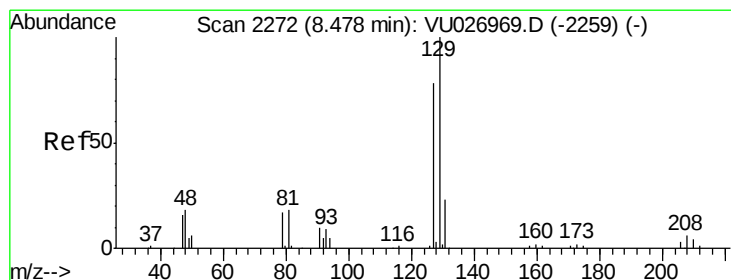
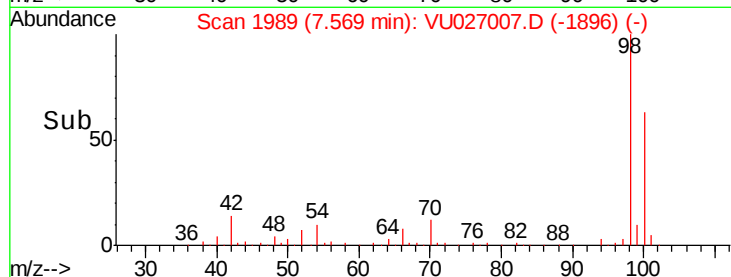
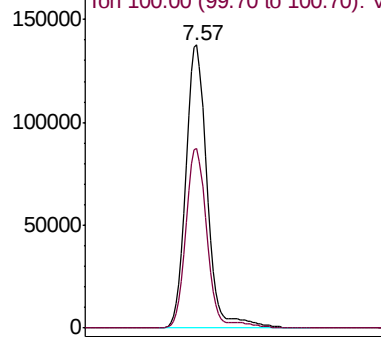
Ion Ratio Lower Upper

98 100

100 61.6 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU026969.D (-1974) (-)



#60

Dibromochloromethane

Concen: 5.287 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU027007.D

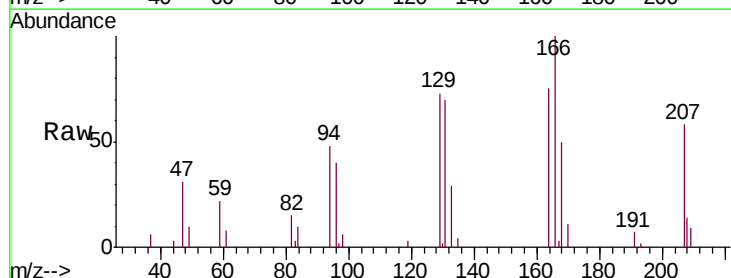
Acq: 22 Sep 2018 09:14

Tgt Ion: 129 Resp: 7475

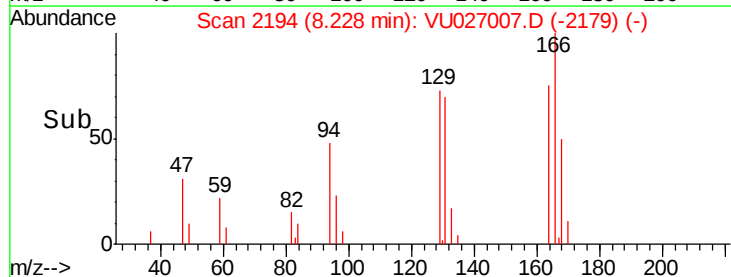
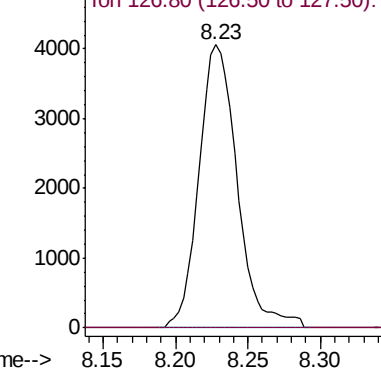
Ion Ratio Lower Upper

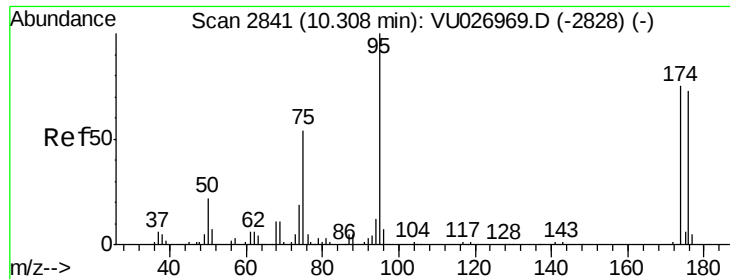
129 100

127 0.0 38.1 114.5#



Abundance Ion 128.80 (128.50 to 129.50): VU026969.D (-2259) (-)

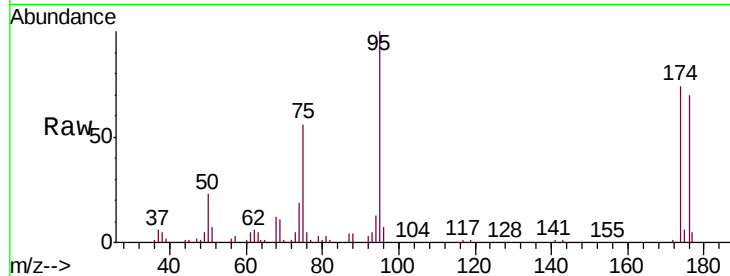




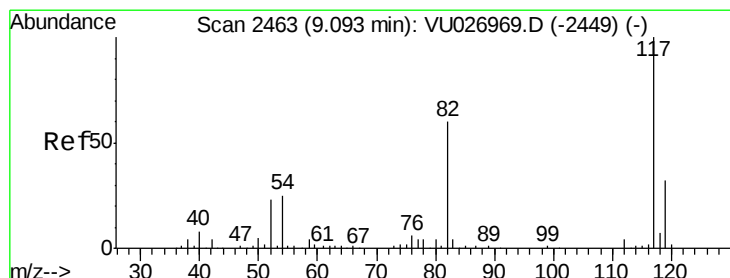
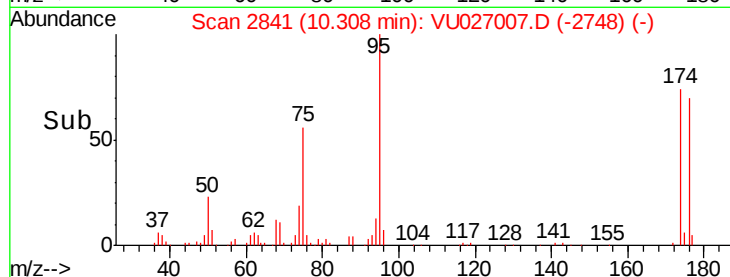
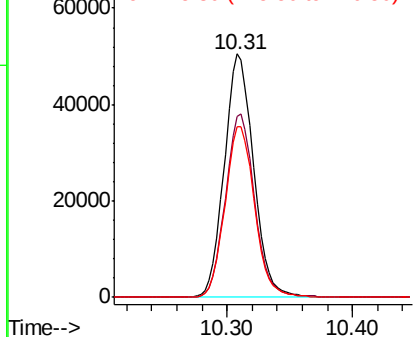
#62
4-Bromofluorobenzene
Concen: 49.245 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027007.D
Acq: 22 Sep 2018 09:14

Instrument :
MSVOA_U
ClientSampleId :
BPSI-HN-MW24IR-20180914

Tgt Ion: 95 Resp: 81643
Ion Ratio Lower Upper
95 100
174 75.1 0.0 150.2
176 71.2 0.0 145.2

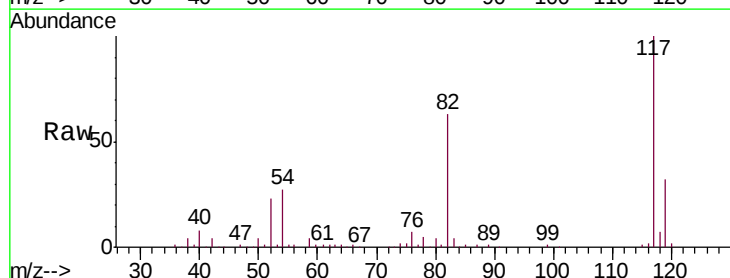


Abundance Ion 94.90 (94.60 to 95.60): VU026969.D (-2828) (-)
Ion 173.80 (173.50 to 174.50): VU026969.D (-2828) (-)
Ion 175.80 (175.50 to 176.50): VU026969.D (-2828) (-)

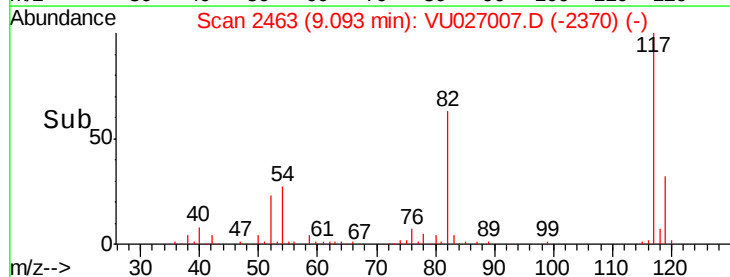
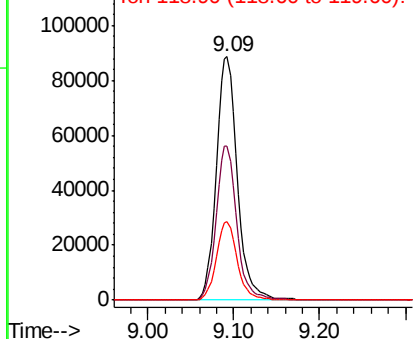


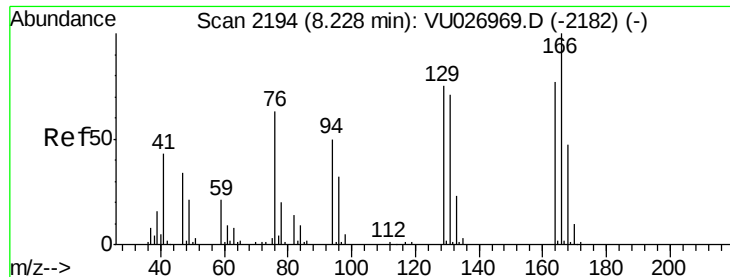
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027007.D
Acq: 22 Sep 2018 09:14

Tgt Ion: 117 Resp: 151296
Ion Ratio Lower Upper
117 100
82 63.1 48.0 72.0
119 32.0 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): VU026969.D (-2449) (-)
Ion 82.00 (81.70 to 82.70): VU026969.D (-2449) (-)
Ion 118.90 (118.60 to 119.60): VU026969.D (-2449) (-)





#64

Tetrachloroethene

Concen: 6.336 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027007.D

Acq: 22 Sep 2018 09:14

Instrument :

MSVOA_U

ClientSampleId :

BPSI-HN-MW24IR-20180914

Tgt Ion:164 Resp: 7387

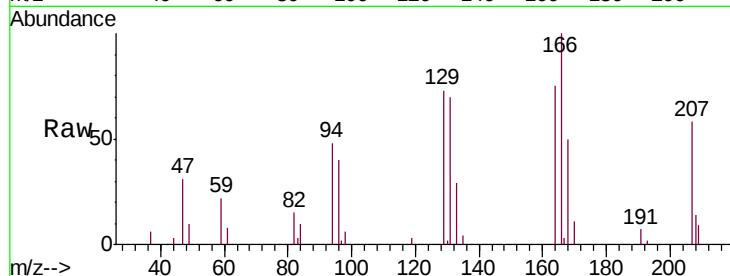
Ion Ratio Lower Upper

164 100

166 134.0 104.4 156.6

129 95.0 78.7 118.1

131 94.2 73.9 110.9

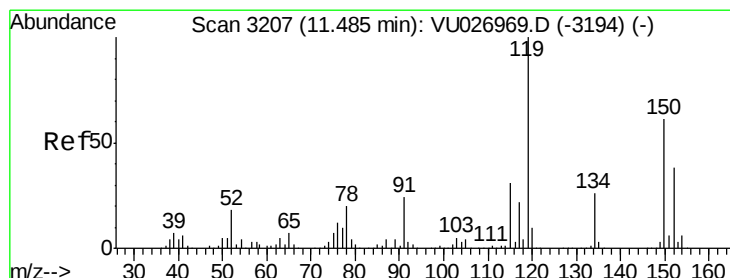
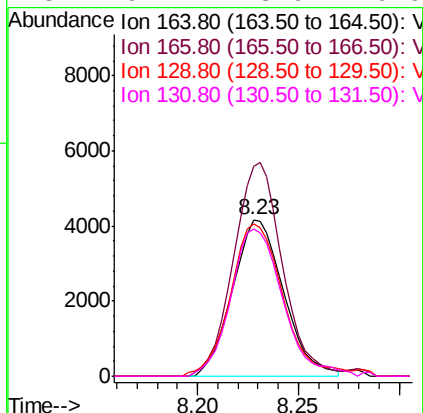
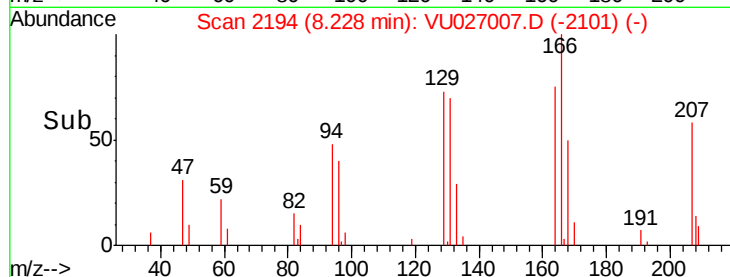


Abundance Ion 163.80 (163.50 to 164.50): V

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# 3207

Delta R.T. 0.00 min

Lab File: VU027007.D

Acq: 22 Sep 2018 09:14

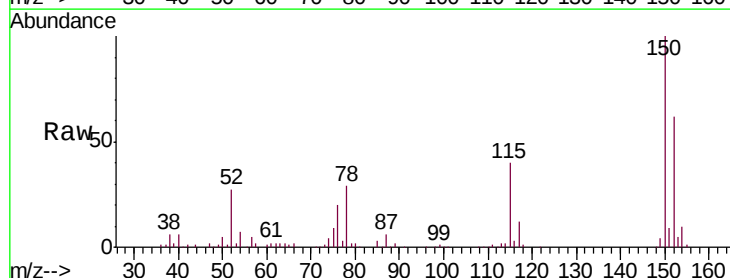
Tgt Ion:152 Resp: 73002

Ion Ratio Lower Upper

152 100

115 62.7 44.9 134.5

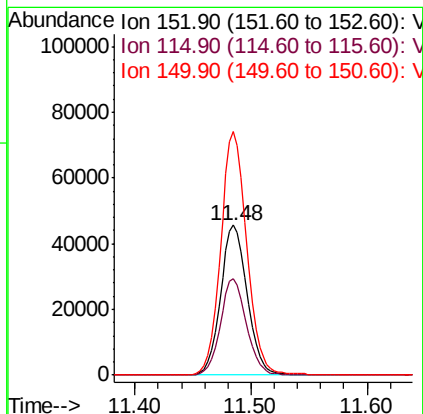
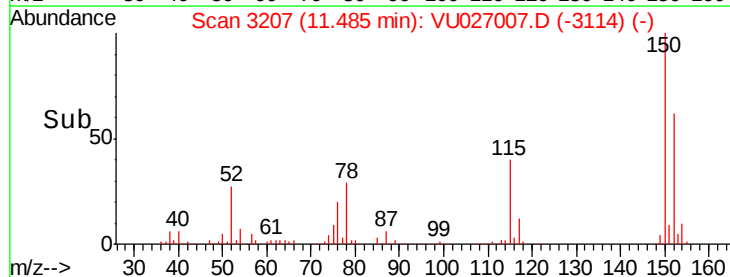
150 158.6 0.0 355.8

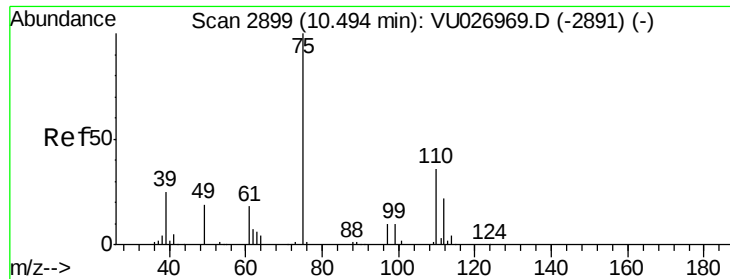


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

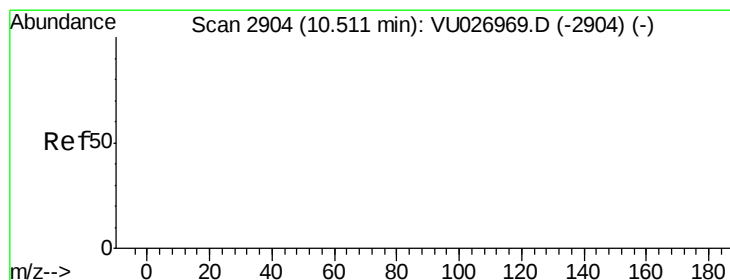
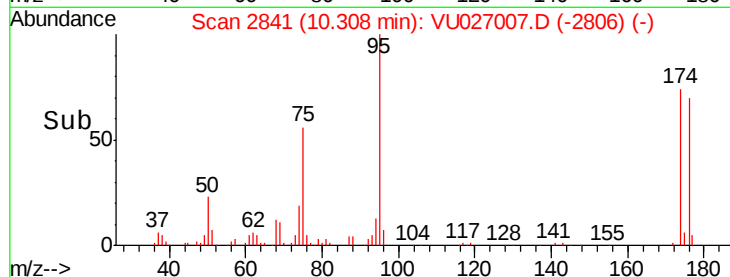
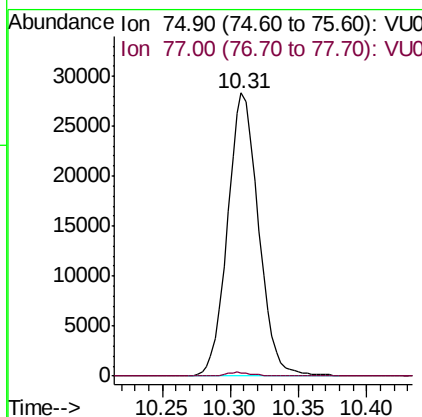
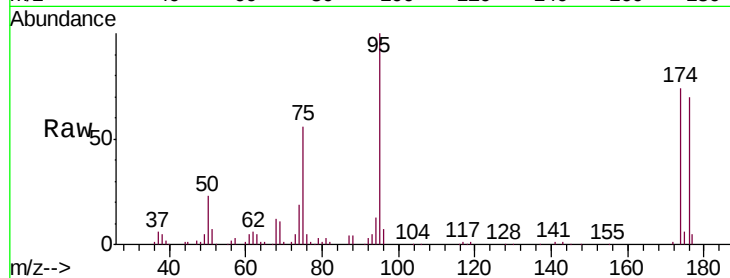




#76
 1,2,3-Trichloropropane
 Concen: 20.135 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027007.D
 Acq: 22 Sep 2018 09:14

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-HN-MW24IR-20180914

Tgt Ion: 75 Resp: 44656
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.9 62.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.437 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.21 min
 Lab File: VU027007.D
 Acq: 22 Sep 2018 09:14

Tgt Ion: 75 Resp: 44656
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

