

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092818\
 Data File : VU027288.D
 Acq On : 28 Sep 2018 22:27
 Operator : MD/SY
 Sample : J5149-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WS-3

Quant Time: Sep 29 00:10:59 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	121850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	203699	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	192765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	94974	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	111038	45.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.56%	
35) Dibromofluoromethane	4.88	113	81420	46.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.22%	
50) Toluene-d8	7.57	98	317702	47.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.42%	
62) 4-Bromofluorobenzene	10.31	95	107612	46.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.22%	

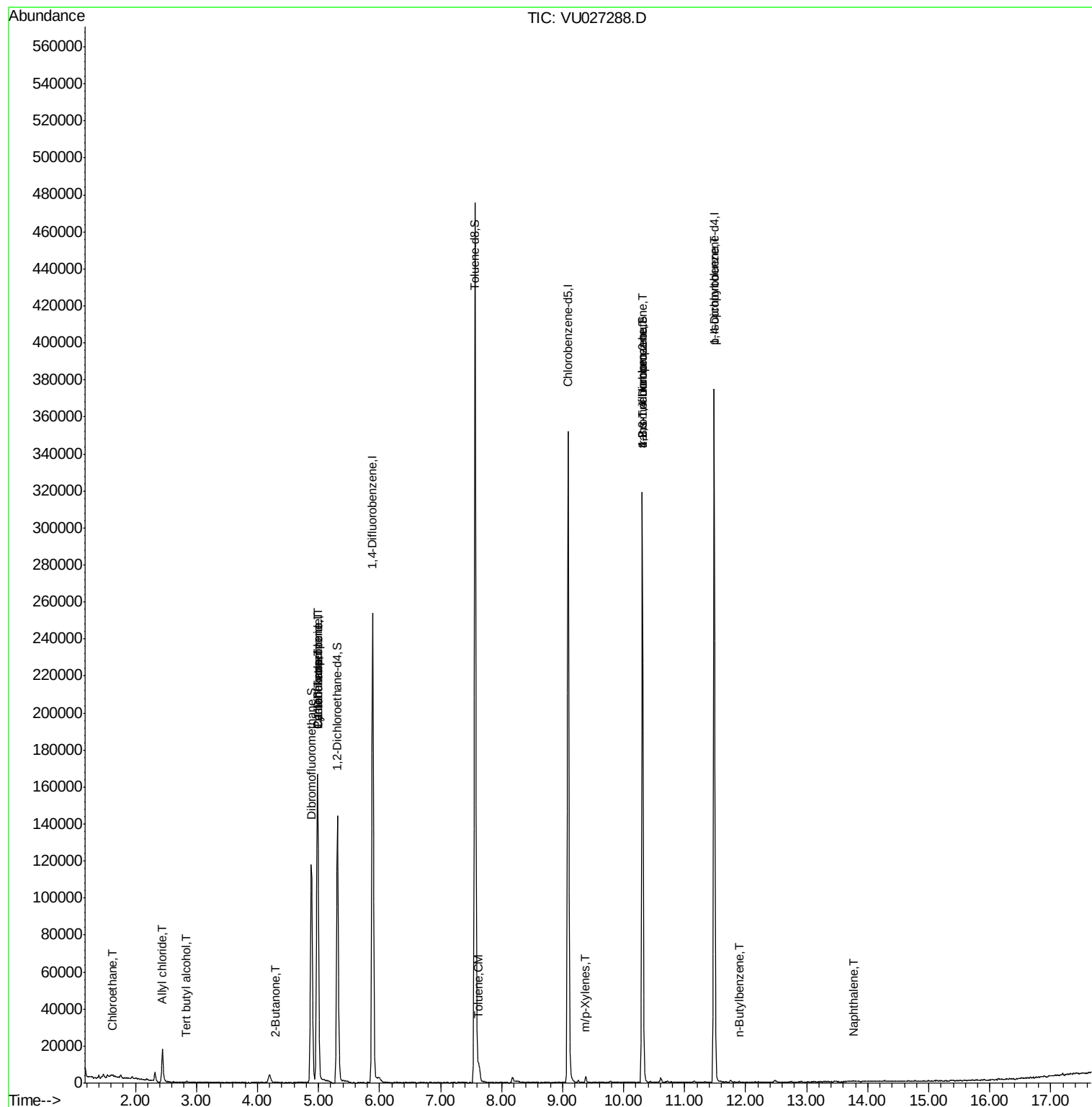
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.62	64	683	0.418	ug/l #	43
11) Tert butyl alcohol	2.83	59	204	0.363	ug/l #	72
14) Allyl chloride	2.44	41	1736	0.509	ug/l #	77
16) Acetone	2.32	43	5431	Below Cal		98
25) 2-Butanone	4.29	43	488	0.237	ug/l #	53
31) Cyclohexane	4.99	56	2930	0.229	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	10892	4.006	ug/l #	46
38) Carbon Tetrachloride	4.99	117	12176	4.706	ug/l #	18
52) Toluene	7.64	92	956	0.202	ug/l	91
68) m/p-Xylenes	9.38	106	1070	1.810	ug/l	99
76) 1,2,3-Trichloropropane	10.31	75	56207	19.481	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	56207	62.341	ug/l #	100
86) p-Isopropyltoluene	11.48	119	186	0.955	ug/l #	1
89) n-Butylbenzene	11.90	91	218	2.424	ug/l #	33
95) Naphthalene	13.76	128	1137	1.829	ug/l #	69

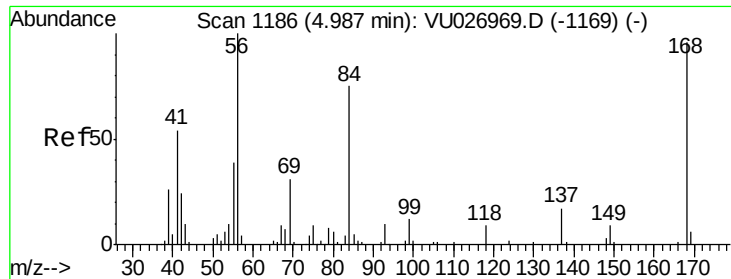
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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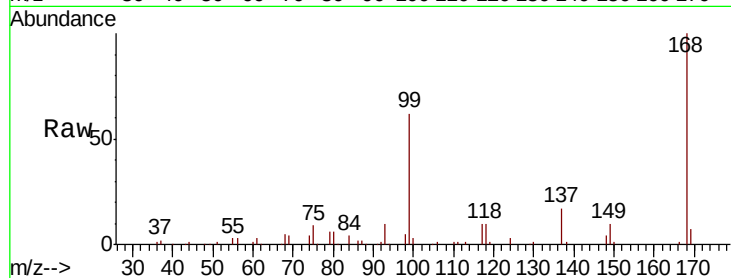




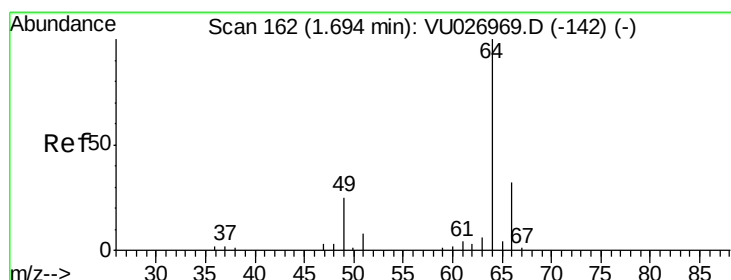
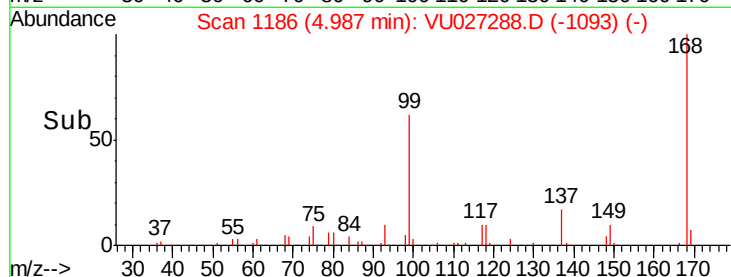
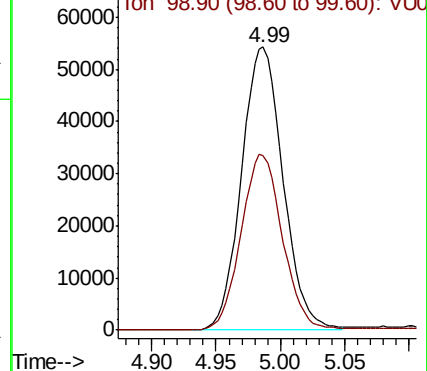
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.00 min
Lab File: VU027288.D
Acq: 28 Sep 2018 22:27

Instrument :
MSVOA_U
ClientSampleId :
WS-3

Tgt Ion: 168 Resp: 121850
Ion Ratio Lower Upper
168 100
99 61.8 48.1 72.1

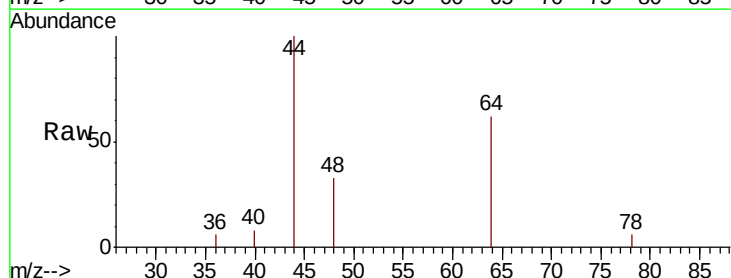


Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)
Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

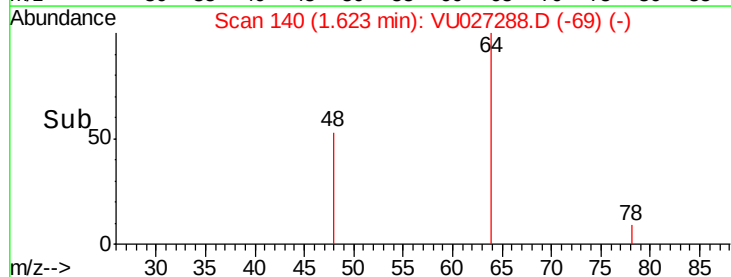
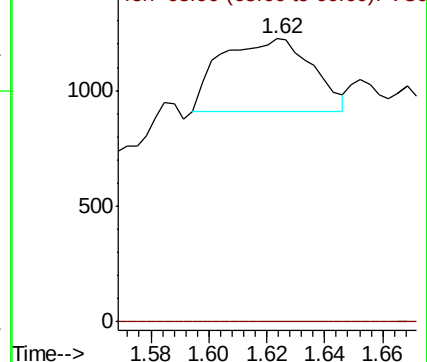


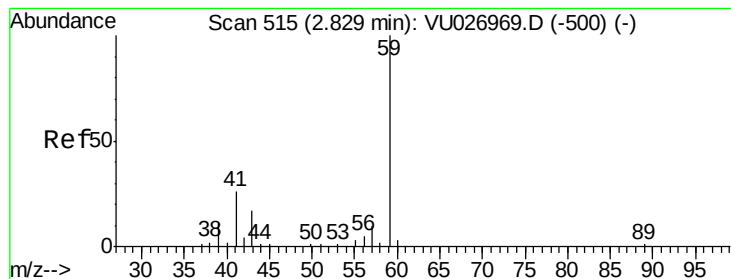
#6
Chloroethane
Concen: 0.418 ug/l
RT: 1.62 min Scan# 140
Delta R.T. -0.07 min
Lab File: VU027288.D
Acq: 28 Sep 2018 22:27

Tgt Ion: 64 Resp: 683
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VU026969.D (-142) (-)
Ion 65.90 (65.60 to 66.60): VU026969.D (-142) (-)



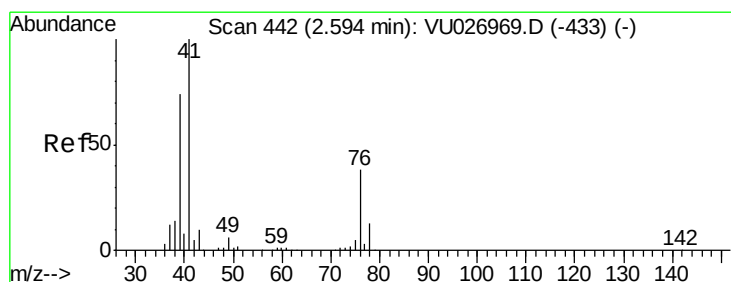
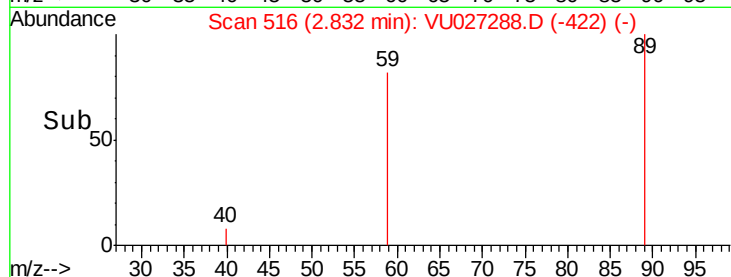
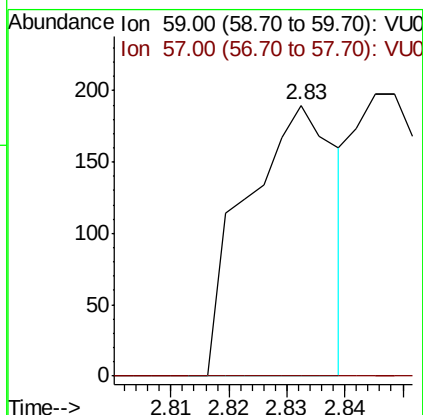
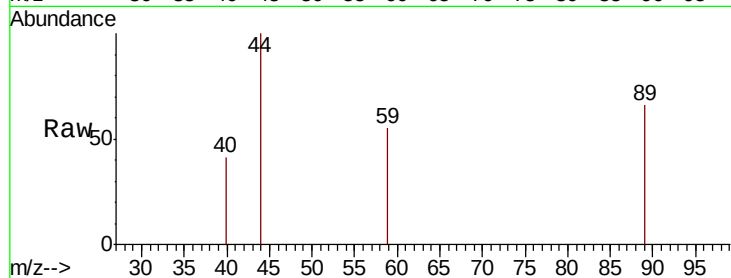


#11

Tert butyl alcohol
Concen: 0.363 ug/l
RT: 2.83 min Scan# 516
Delta R.T. 0.00 min
Lab File: VU027288.D
Acq: 28 Sep 2018 22:27

Instrument :
MSVOA_U
ClientSampled :
WS-3

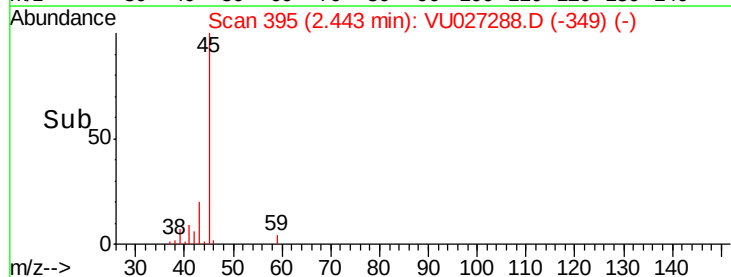
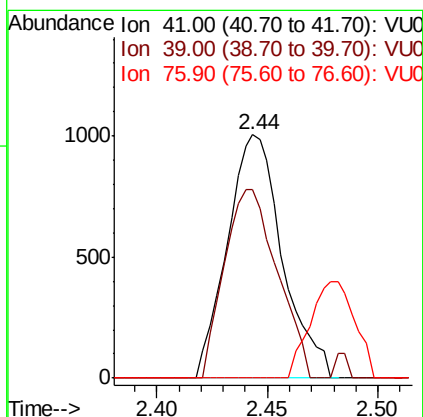
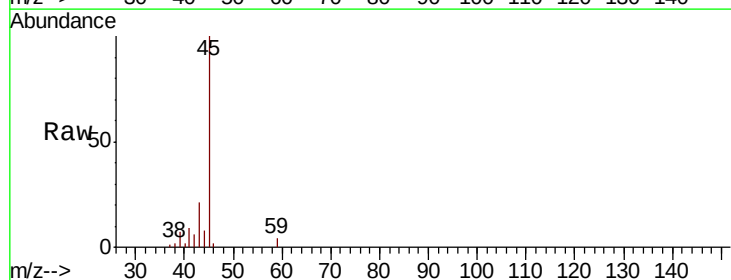
Tgt Ion: 59 Resp: 204
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

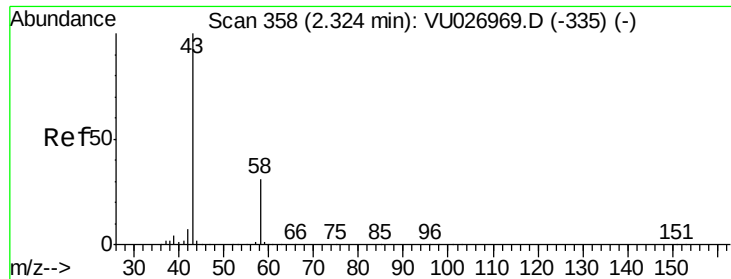


#14

Allyl chloride
Concen: 0.509 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.15 min
Lab File: VU027288.D
Acq: 28 Sep 2018 22:27

Tgt Ion: 41 Resp: 1736
Ion Ratio Lower Upper
41 100
39 74.7 55.7 83.5
76 0.0 26.5 39.7#





#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027288.D

Acq: 28 Sep 2018 22:27

Instrument :

MSVOA_U

ClientSampleId :

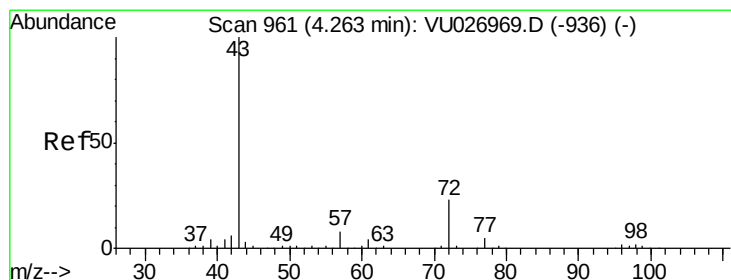
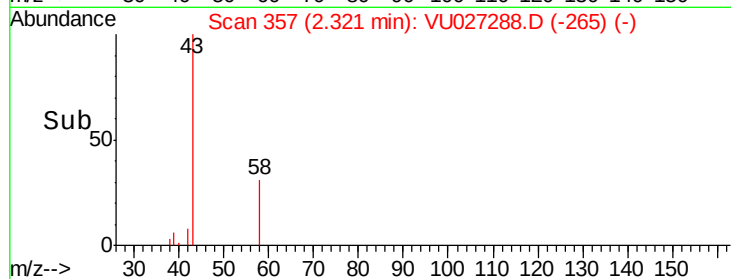
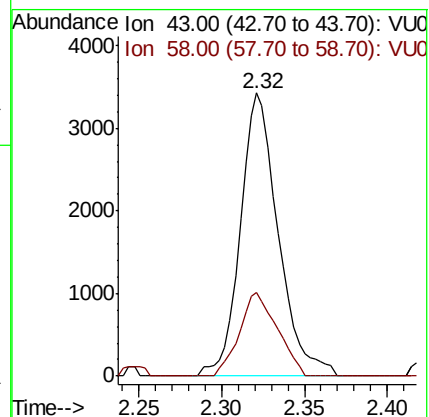
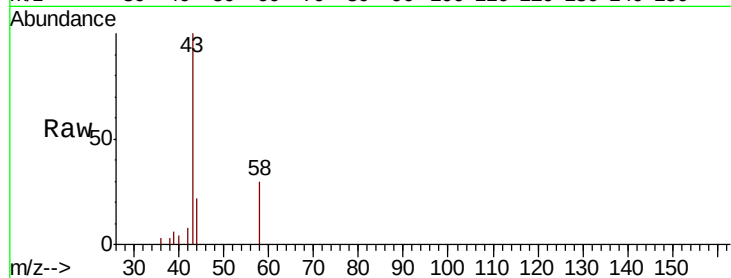
WS-3

Tgt Ion: 43 Resp: 5431

Ion Ratio Lower Upper

43 100

58 29.6 24.6 36.8



#25

2-Butanone

Concen: 0.237 ug/l

RT: 4.29 min Scan# 969

Delta R.T. 0.03 min

Lab File: VU027288.D

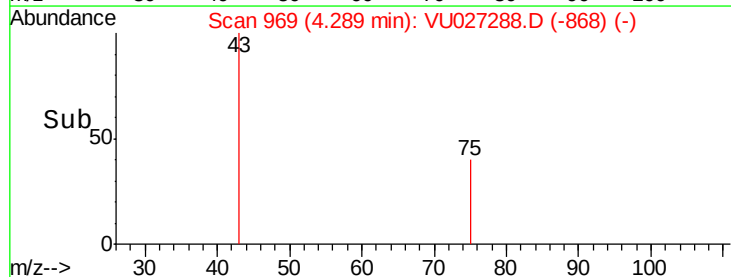
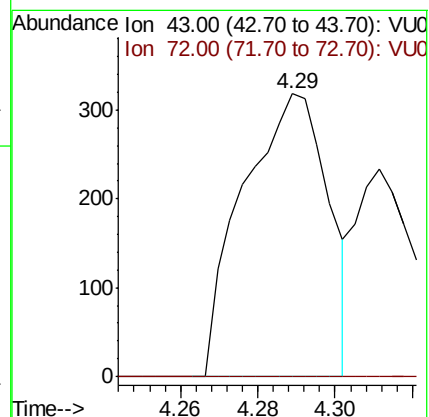
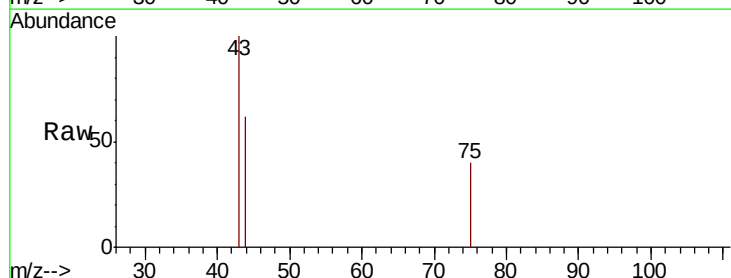
Acq: 28 Sep 2018 22:27

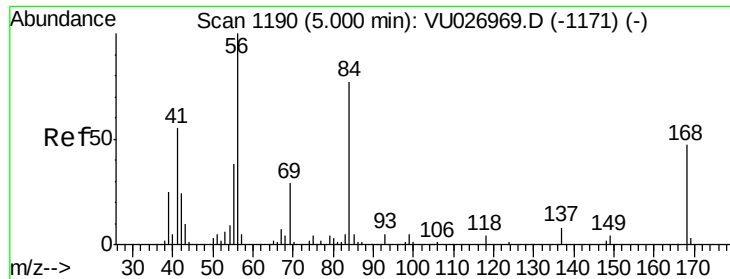
Tgt Ion: 43 Resp: 488

Ion Ratio Lower Upper

43 100

72 0.0 18.4 27.6#

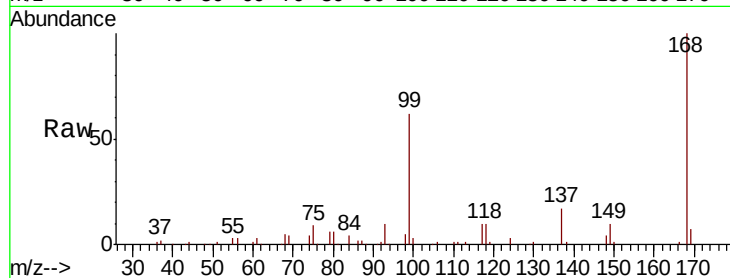




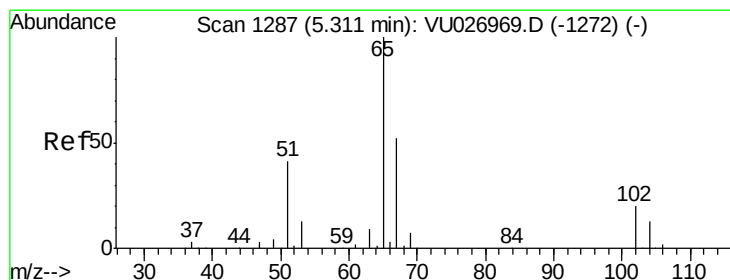
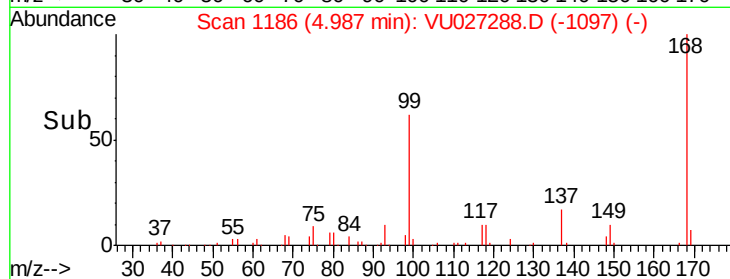
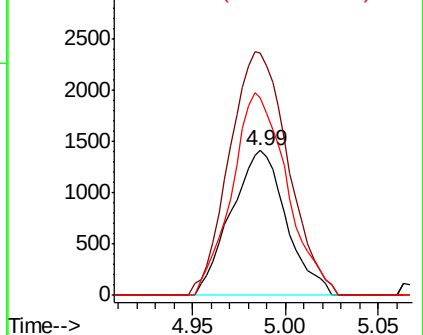
#31
Cyclohexane
Concen: 0.229 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027288.D
Acq: 28 Sep 2018 22:27

Instrument :
MSVOA_U
ClientSampleId :
WS-3

Tgt Ion: 56 Resp: 2930
Ion Ratio Lower Upper
56 100
69 167.9 23.0 34.4#
84 136.7 61.4 92.2#

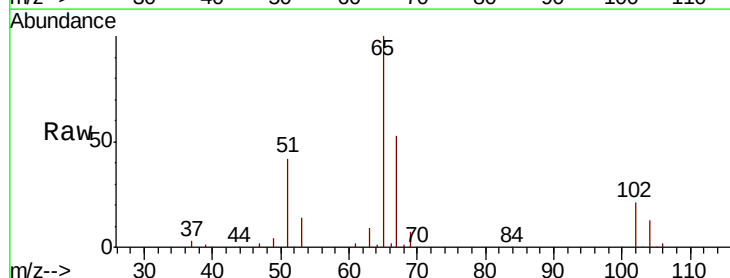


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

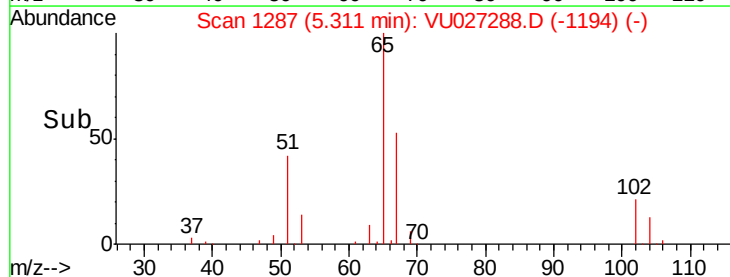
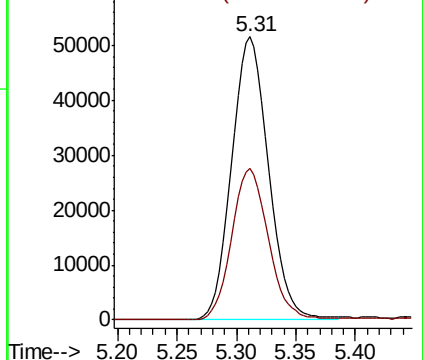


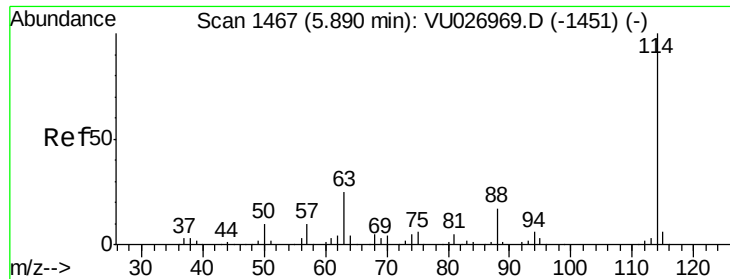
#33
1,2-Dichloroethane-d4
Concen: 45.277 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VU027288.D
Acq: 28 Sep 2018 22:27

Tgt Ion: 65 Resp: 111038
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.6



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

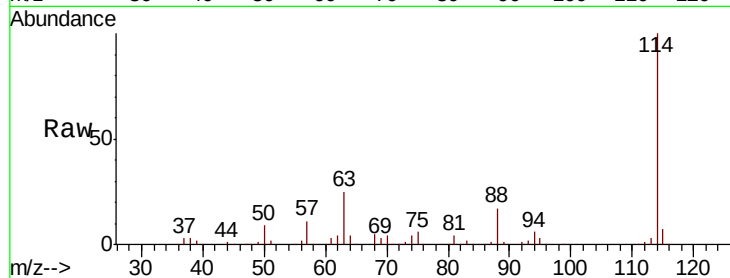




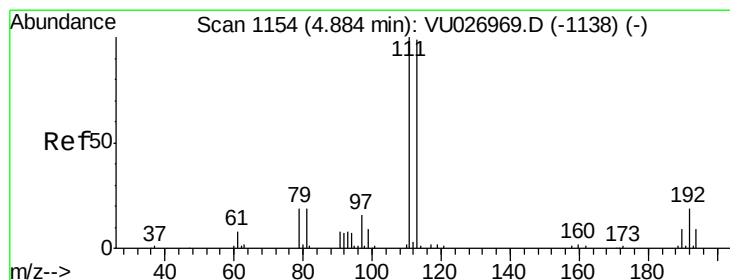
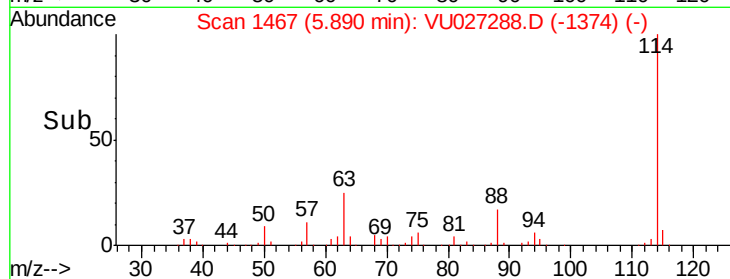
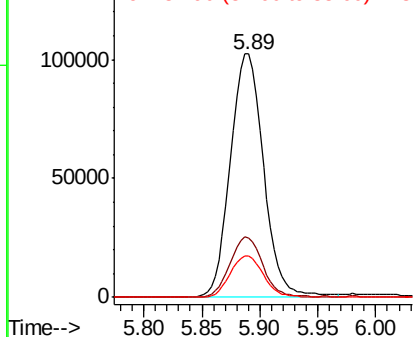
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: VU027288.D
 Acq: 28 Sep 2018 22:27

Instrument :
 MSVOA_U
 ClientSampleId :
 WS-3

Tgt Ion:114 Resp: 203699
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.2
 88 16.9 0.0 33.8

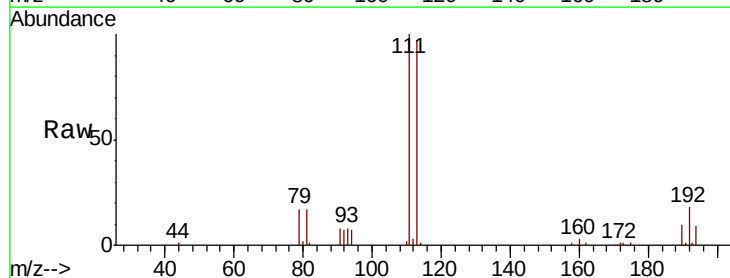


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

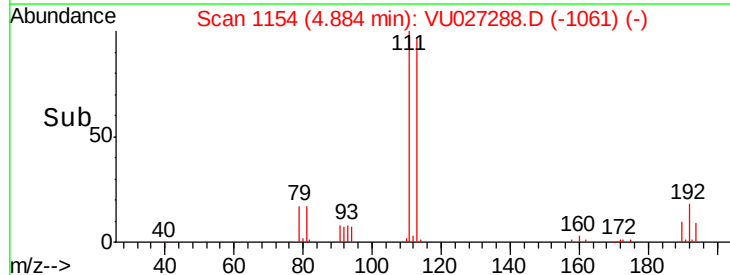
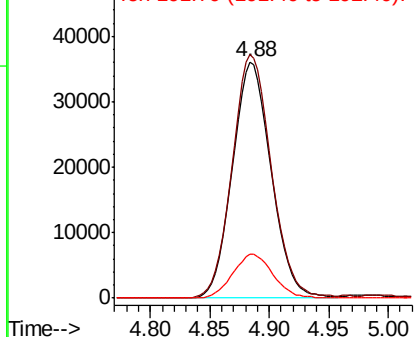


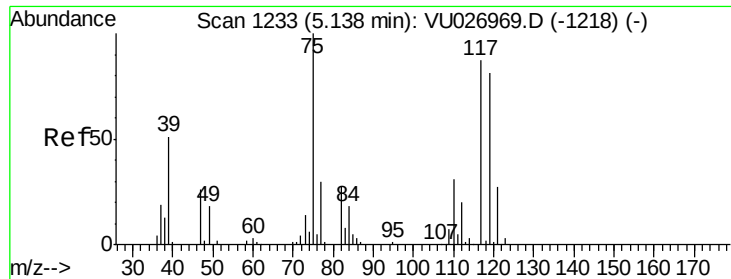
#35
 Dibromofluoromethane
 Concen: 46.113 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU027288.D
 Acq: 28 Sep 2018 22:27

Tgt Ion:113 Resp: 81420
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.2 123.4
 192 19.1 15.2 22.8



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: 4.006 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027288.D

Acq: 28 Sep 2018 22:27

Instrument :

MSVOA_U

ClientSampled :

WS-3

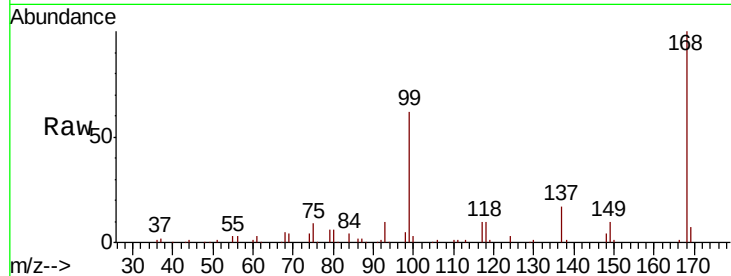
Tgt Ion: 75 Resp: 10892

Ion Ratio Lower Upper

75 100

110 3.1 16.1 48.2#

77 0.0 24.6 36.8#

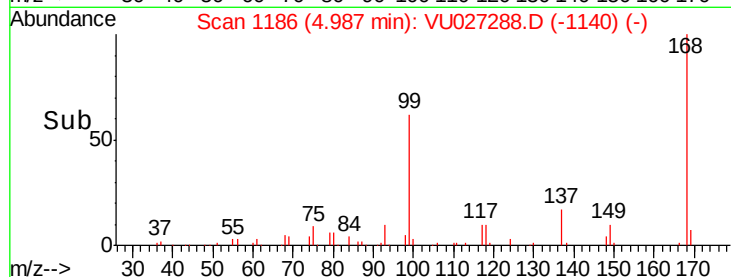


Abundance Ion 74.90 (74.60 to 75.60): VU026969.D (-1218) (-)

Ion 109.90 (109.60 to 110.60): VU026969.D (-1218) (-)

Ion 76.90 (76.60 to 77.60): VU026969.D (-1218) (-)

Time-->



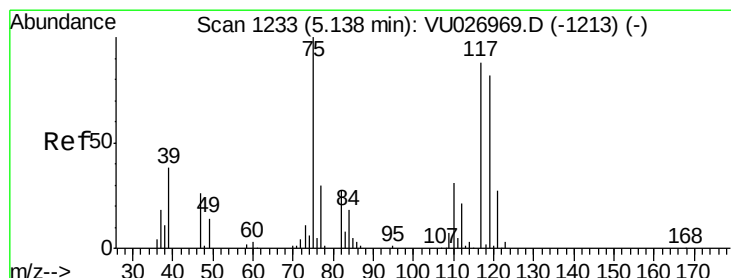
Abundance

Ion 74.90 (74.60 to 75.60): VU026969.D (-1218) (-)

Ion 109.90 (109.60 to 110.60): VU026969.D (-1218) (-)

Ion 76.90 (76.60 to 77.60): VU026969.D (-1218) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.706 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027288.D

Acq: 28 Sep 2018 22:27

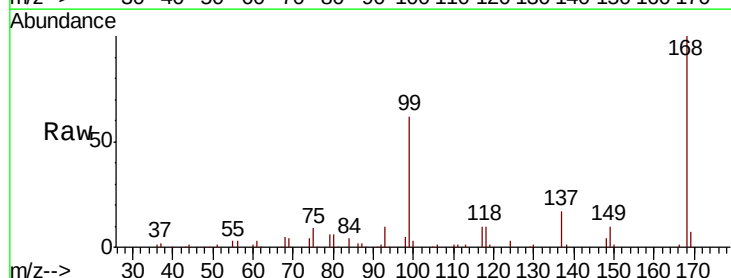
Tgt Ion: 117 Resp: 12176

Ion Ratio Lower Upper

117 100

119 5.6 74.4 111.6#

121 0.0 24.2 36.4#

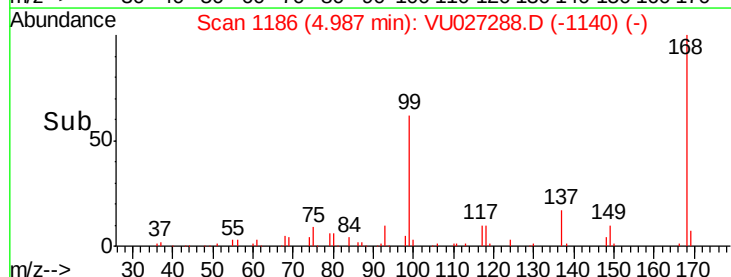


Abundance Ion 116.80 (116.50 to 117.50): VU026969.D (-1213) (-)

Ion 118.80 (118.50 to 119.50): VU026969.D (-1213) (-)

Ion 120.80 (120.50 to 121.50): VU026969.D (-1213) (-)

Time-->



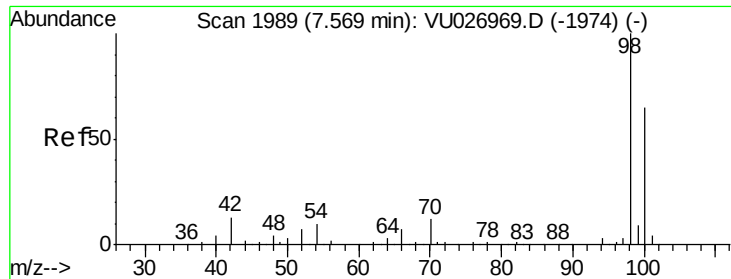
Abundance

Ion 116.80 (116.50 to 117.50): VU026969.D (-1213) (-)

Ion 118.80 (118.50 to 119.50): VU026969.D (-1213) (-)

Ion 120.80 (120.50 to 121.50): VU026969.D (-1213) (-)

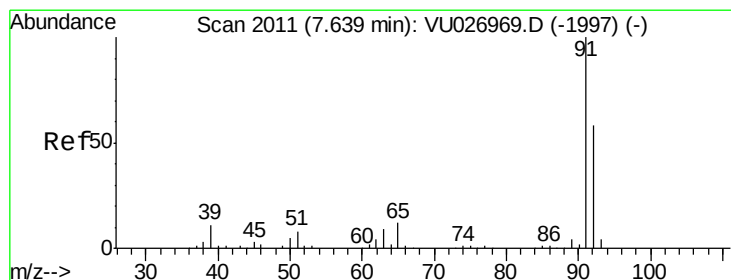
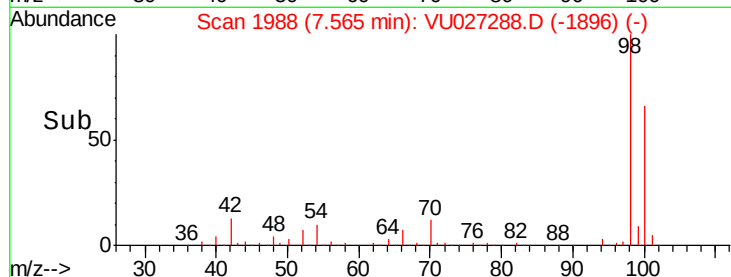
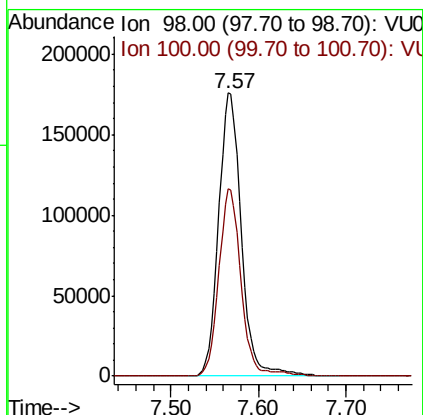
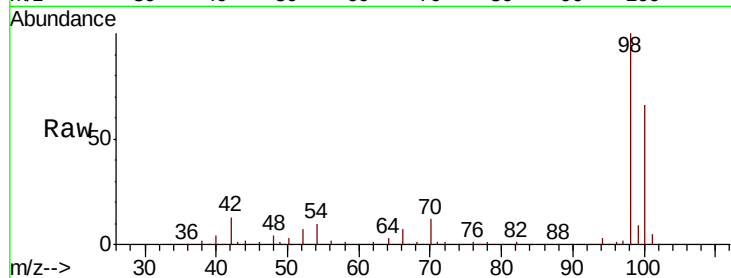
Time-->



#50
Toluene-d8
Concen: 47.214 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027288.D
Acq: 28 Sep 2018 22:27

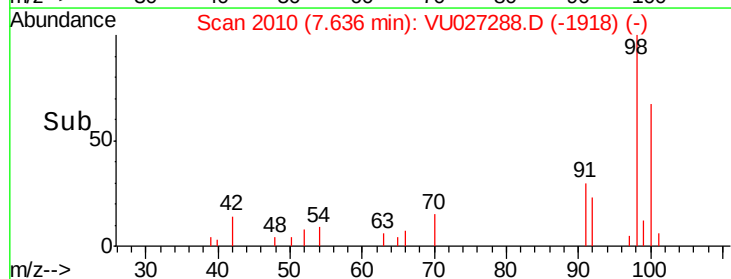
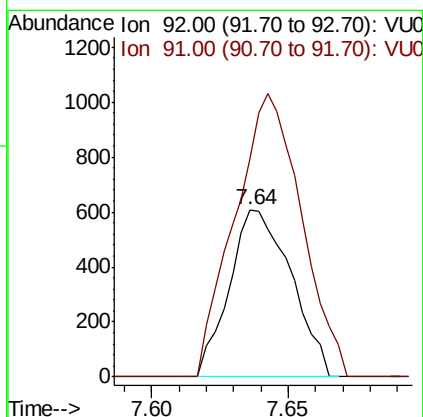
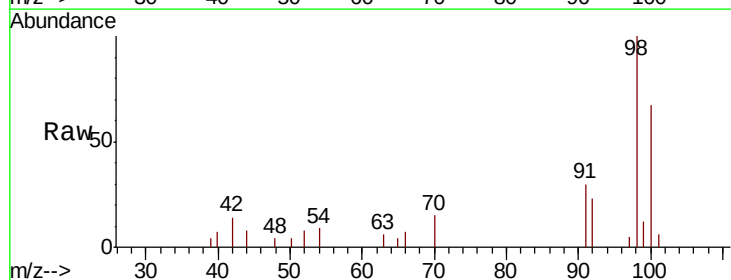
Instrument :
MSVOA_U
ClientSampled :
WS-3

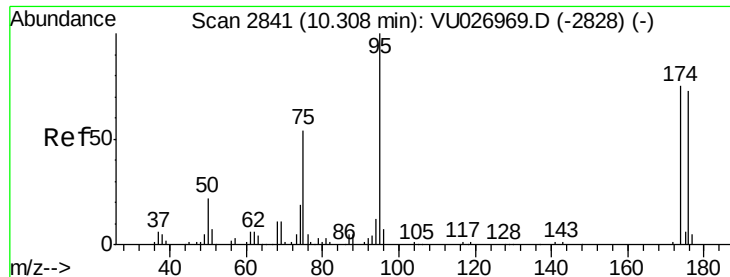
Tgt Ion: 98 Resp: 317702
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1



#52
Toluene
Concen: 0.202 ug/l
RT: 7.64 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU027288.D
Acq: 28 Sep 2018 22:27

Tgt Ion: 92 Resp: 956
Ion Ratio Lower Upper
92 100
91 182.6 136.4 204.6

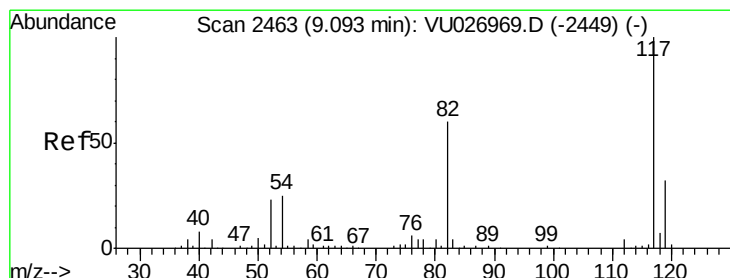
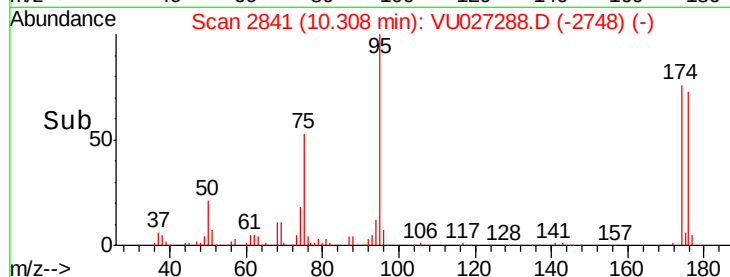
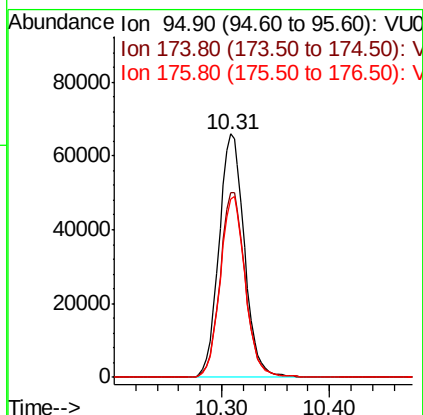
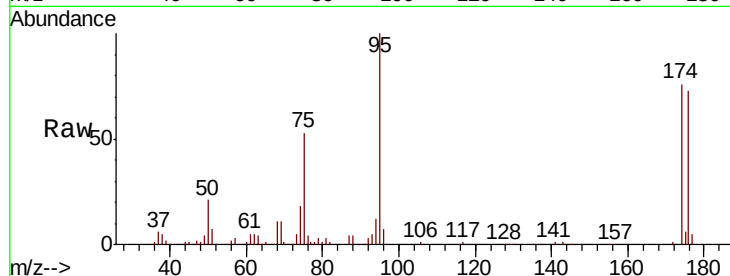




#62
 4-Bromofluorobenzene
 Concen: 46.607 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027288.D
 Acq: 28 Sep 2018 22:27

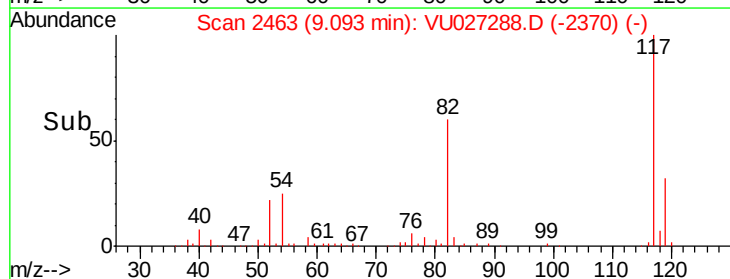
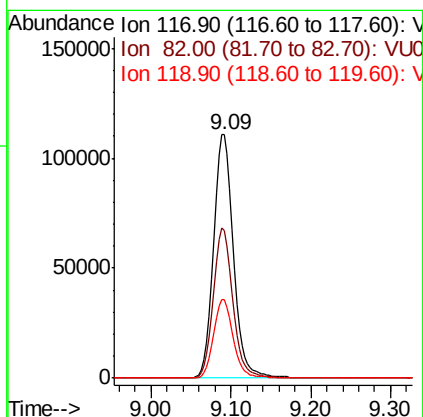
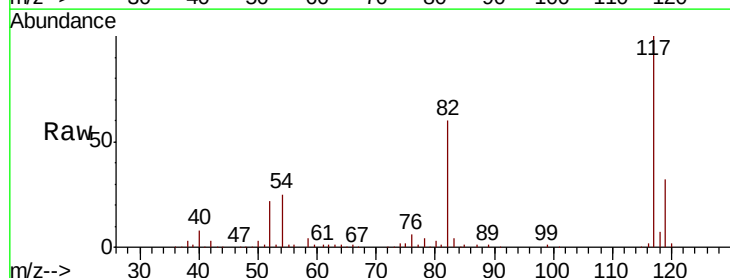
Instrument :
 MSVOA_U
 ClientSampled :
 WS-3

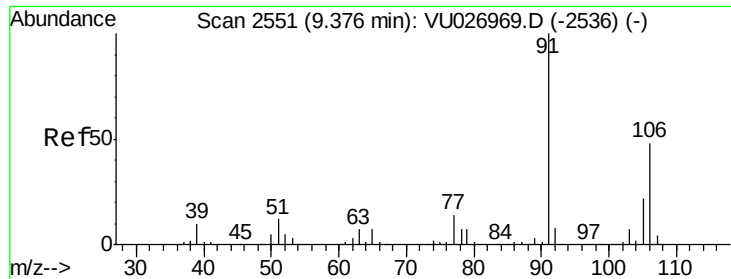
Tgt Ion: 95 Resp: 107612
 Ion Ratio Lower Upper
 95 100
 174 75.2 0.0 150.2
 176 73.5 0.0 145.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VU027288.D
 Acq: 28 Sep 2018 22:27

Tgt Ion: 117 Resp: 192765
 Ion Ratio Lower Upper
 117 100
 82 60.5 48.0 72.0
 119 32.0 25.8 38.8

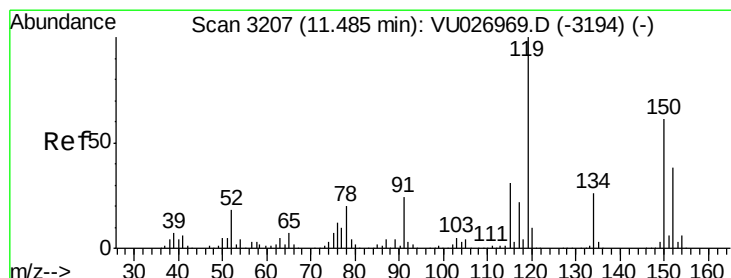
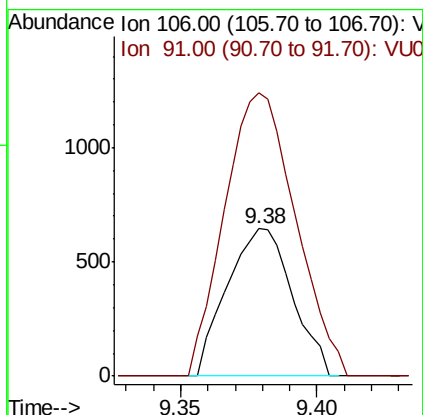
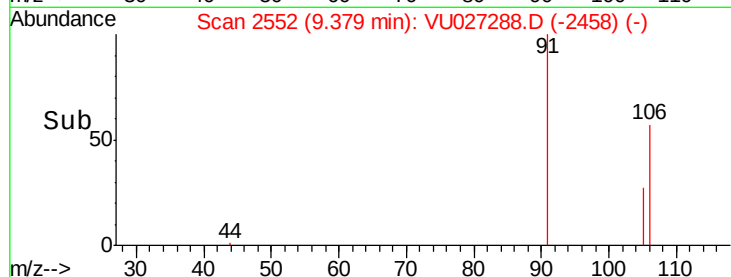
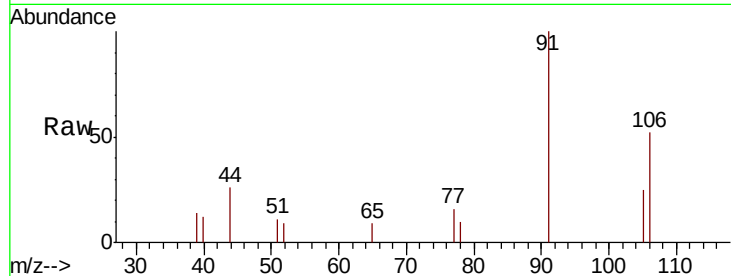




#68
m/p-Xylenes
Concen: 1.810 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU027288.D
Acq: 28 Sep 2018 22:27

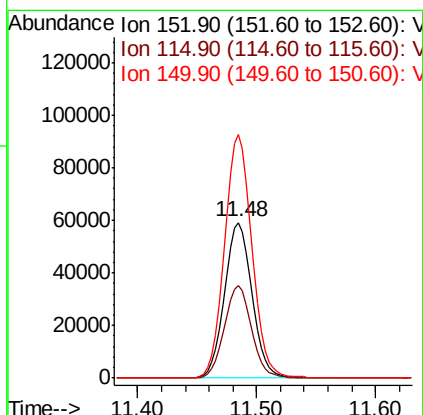
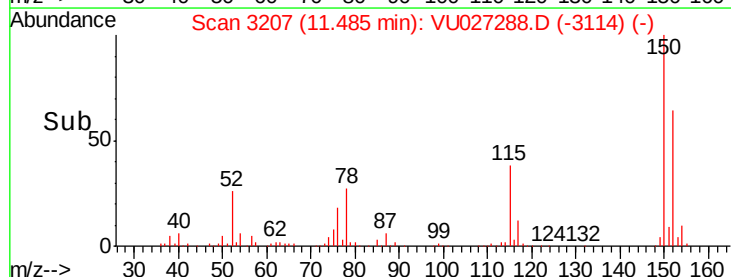
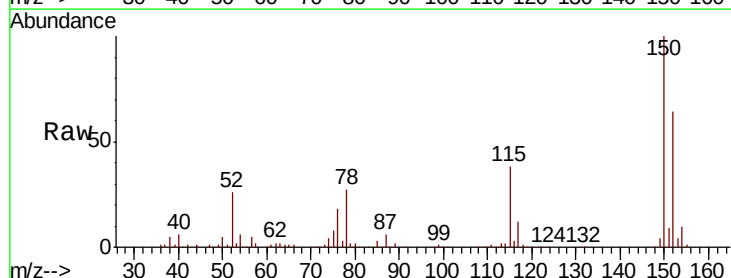
Instrument :
MSVOA_U
ClientSampled :
WS-3

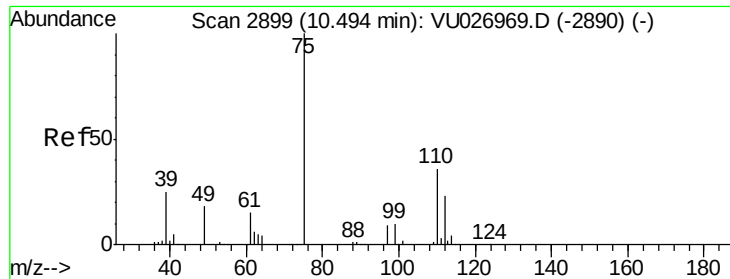
Tgt Ion:106 Resp: 1070
Ion Ratio Lower Upper
106 100
91 209.2 166.5 249.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027288.D
Acq: 28 Sep 2018 22:27

Tgt Ion:152 Resp: 94974
Ion Ratio Lower Upper
152 100
115 58.9 44.9 134.5
150 155.8 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 19.481 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027288.D

Acq: 28 Sep 2018 22:27

Instrument :

MSVOA_U

ClientSampleId :

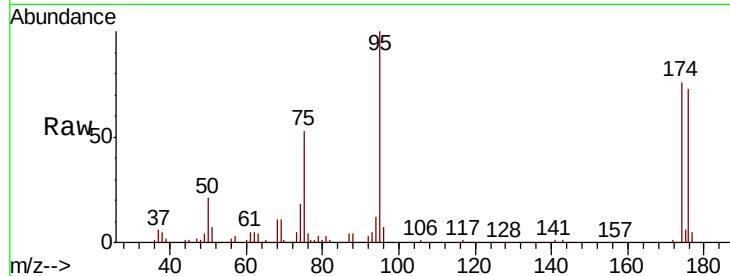
WS-3

Tgt Ion: 75 Resp: 56207

Ion Ratio Lower Upper

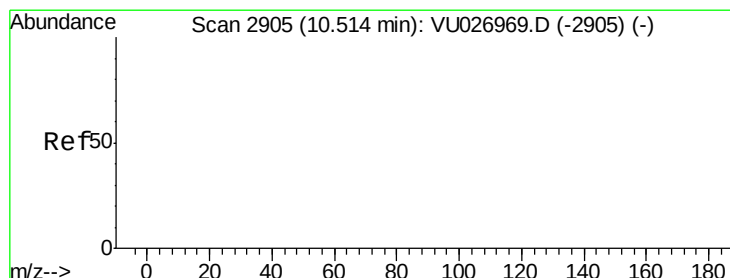
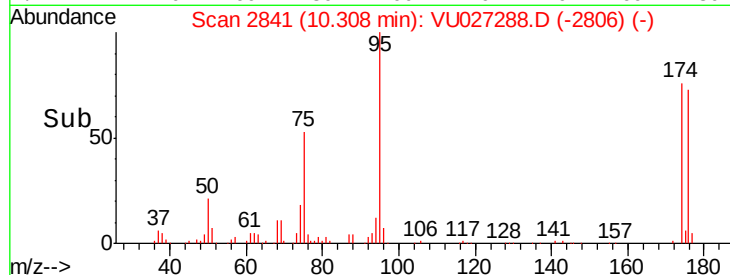
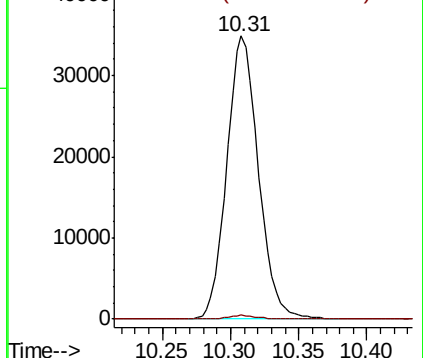
75 100

77 1.1 20.9 62.8#



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: 62.341 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027288.D

Acq: 28 Sep 2018 22:27

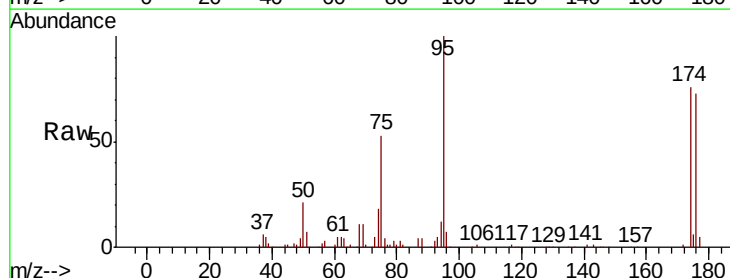
Tgt Ion: 75 Resp: 56207

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

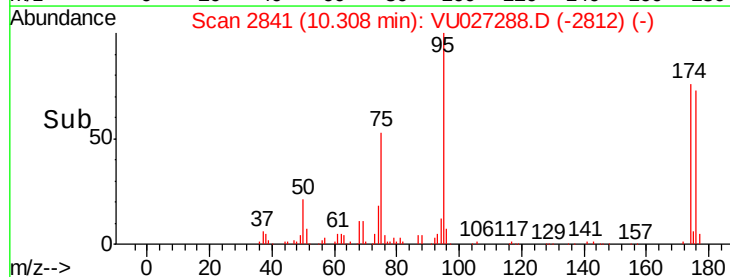
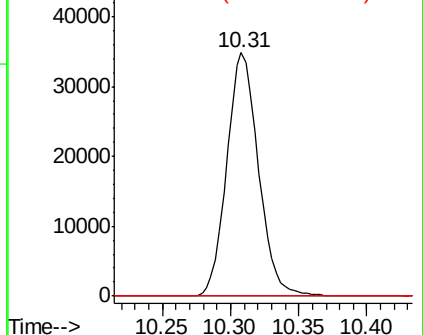
89 0.0 0.0 0.0

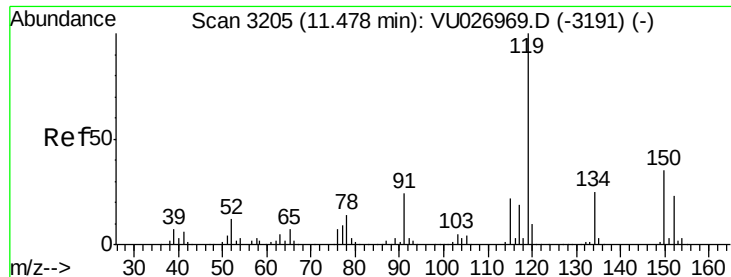


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#86

p-Isopropyltoluene

Concen: 0.955 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU027288.D

Acq: 28 Sep 2018 22:27

Instrument :

MSVOA_U

ClientSampled :

WS-3

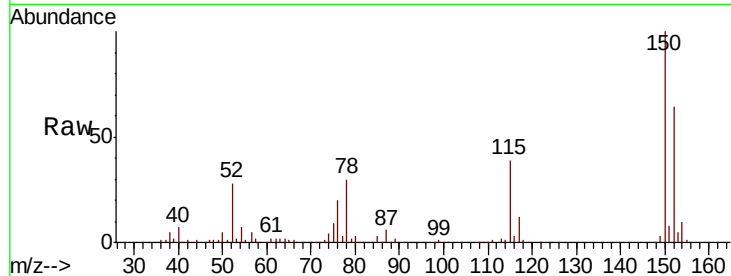
Tgt Ion: 119 Resp: 186

Ion Ratio Lower Upper

119 100

134 0.0 12.8 38.3#

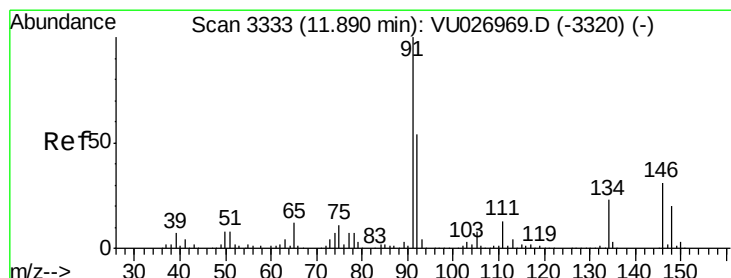
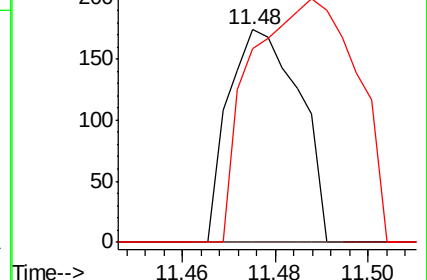
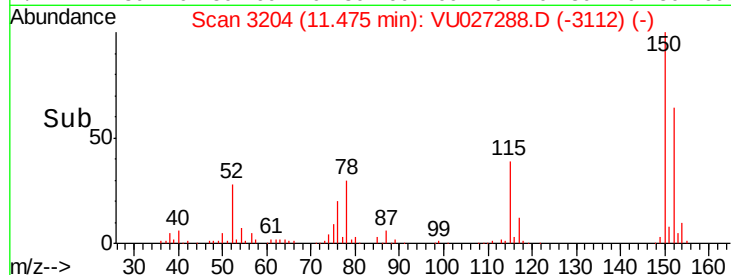
91 168.8 12.3 36.8#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#89

n-Butylbenzene

Concen: 2.424 ug/l

RT: 11.90 min Scan# 3335

Delta R.T. 0.01 min

Lab File: VU027288.D

Acq: 28 Sep 2018 22:27

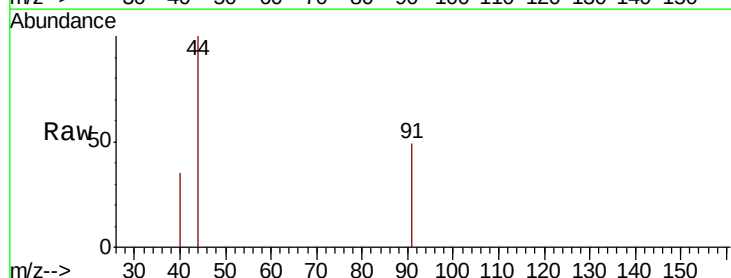
Tgt Ion: 91 Resp: 218

Ion Ratio Lower Upper

91 100

92 0.0 27.1 81.2#

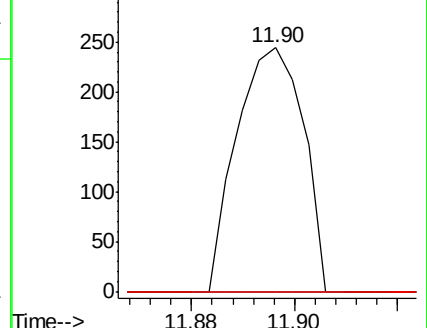
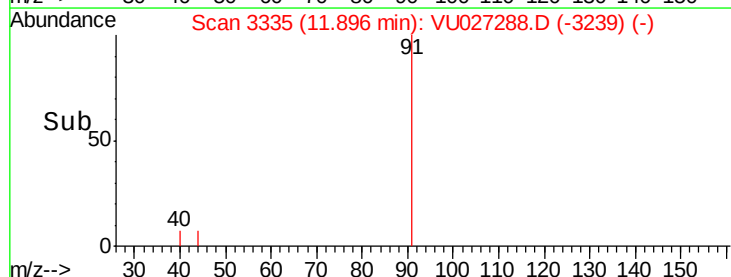
134 0.0 11.7 35.0#

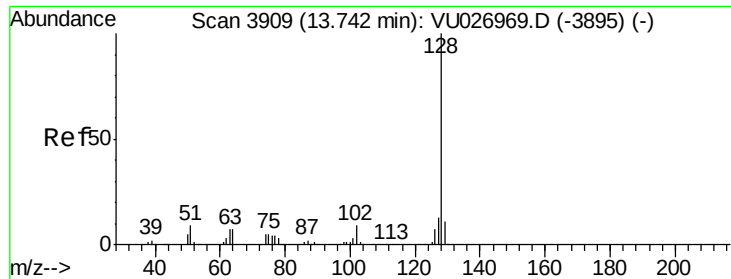


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#95

Naphthalene

Concen: 1.829 ug/l

RT: 13.76 min Scan# 3915

Delta R.T. 0.02 min

Lab File: VU027288.D

Acq: 28 Sep 2018 22:27

Instrument :

MSVOA_U

ClientSampleId :

WS-3

Tgt Ion:128 Resp: 1137

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 12.8#

