

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092618\
 Data File : VU027190.D
 Acq On : 26 Sep 2018 20:54
 Operator : MD/SY
 Sample : VU0926WBL03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 27 02:45:37 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	4.98	168	92883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	158201	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	151868	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	70280	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	97777	52.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.60%	
35) Dibromofluoromethane	4.88	113	67250	49.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.08%	
50) Toluene-d8	7.57	98	256200	49.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.04%	
62) 4-Bromofluorobenzene	10.31	95	82750	46.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.30%	

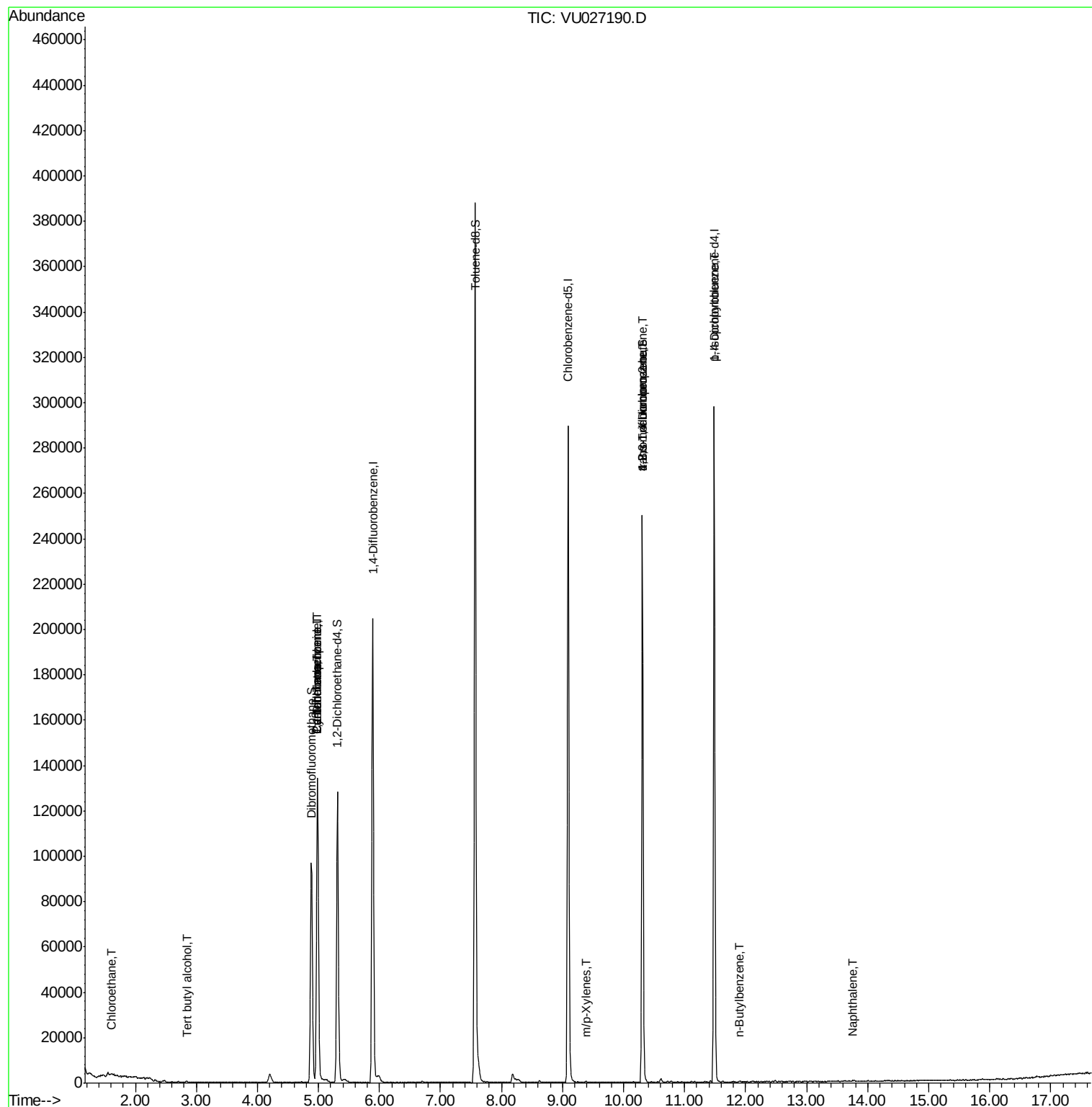
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.59	64	1372	1.100	ug/l #	43
11) Tert butyl alcohol	2.84	59	258	0.602	ug/l #	72
16) Acetone	2.32	43	797	Below Cal		91
31) Cyclohexane	4.98	56	2481	0.319	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	8860	4.196	ug/l #	49
38) Carbon Tetrachloride	4.98	117	9318	4.638	ug/l #	19
68) m/p-Xylenes	9.38	106	41	1.516	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	44994	21.074	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	44994	67.439	ug/l #	100
86) p-Isopropyltoluene	11.48	119	233	0.973	ug/l	85
89) n-Butylbenzene	11.90	91	200	2.432	ug/l #	53
95) Naphthalene	13.75	128	616	1.791	ug/l #	69

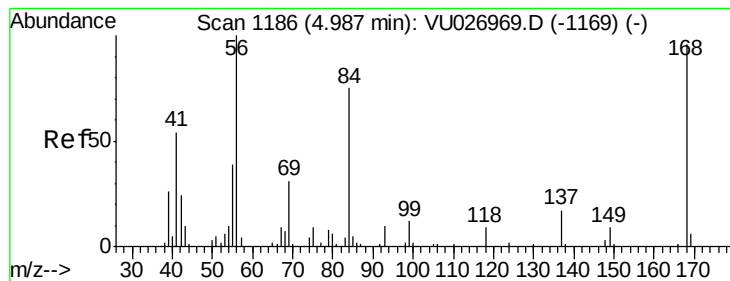
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Sep 22 01:31:57 2018
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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: VU027190.D

Acq: 26 Sep 2018 20:54

Instrument :

MSVOA_U

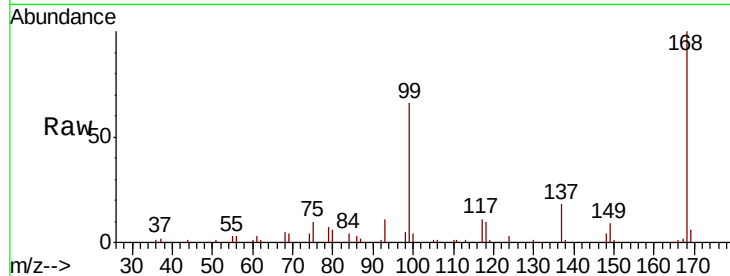
ClientSampleId :

Tgt Ion:168 Resp: 92883

Ion Ratio Lower Upper

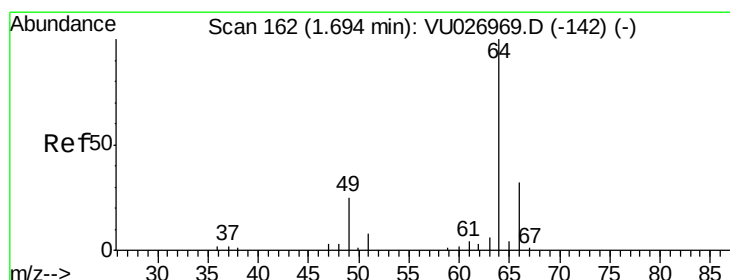
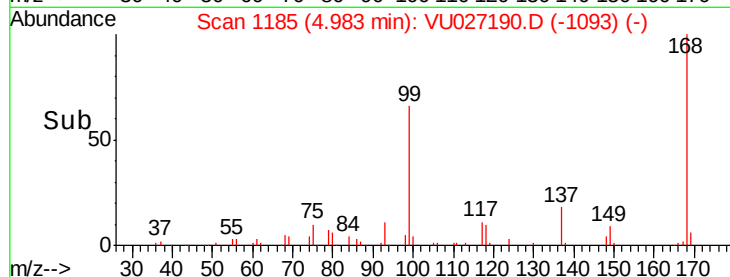
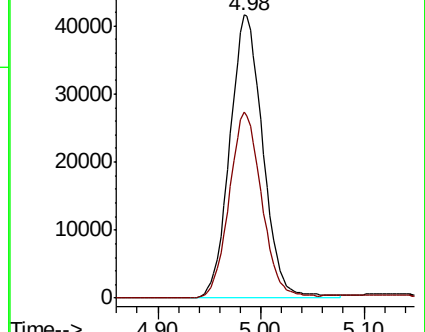
168 100

99 65.6 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: 1.100 ug/l

RT: 1.59 min Scan# 131

Delta R.T. -0.10 min

Lab File: VU027190.D

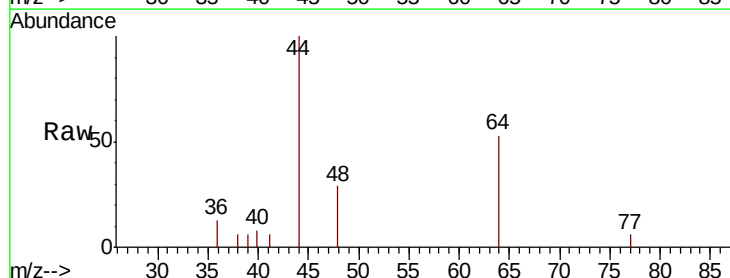
Acq: 26 Sep 2018 20:54

Tgt Ion: 64 Resp: 1372

Ion Ratio Lower Upper

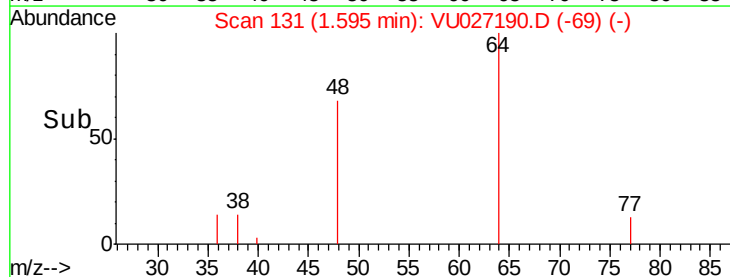
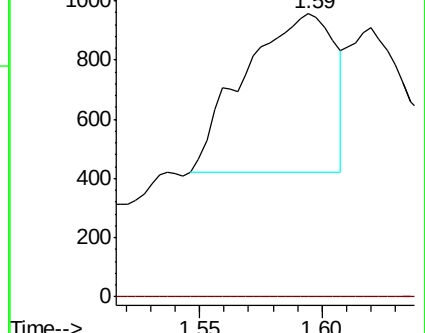
64 100

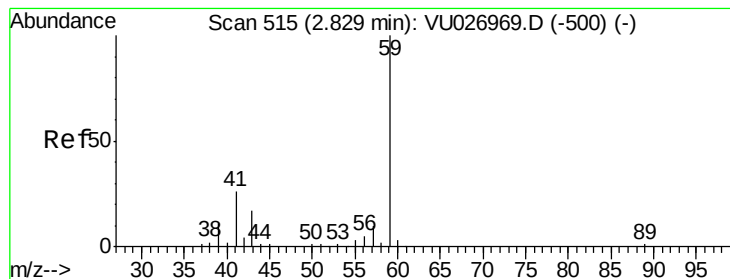
66 0.0 25.3 37.9#



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

Ion 65.90 (65.60 to 66.60): VU026969.D (-142) (-)



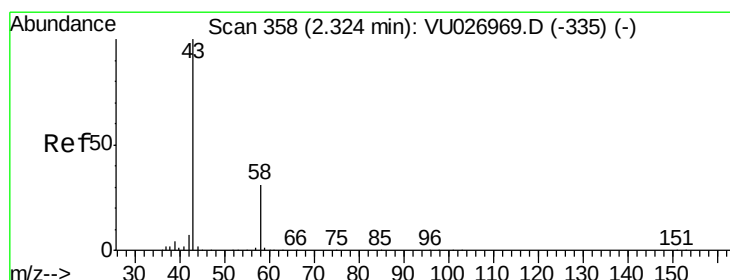
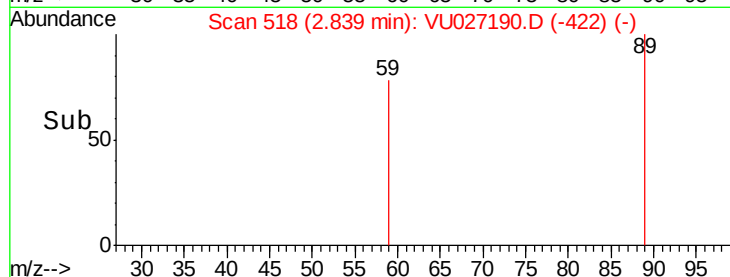
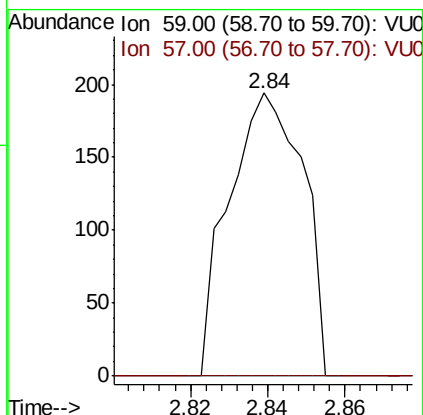
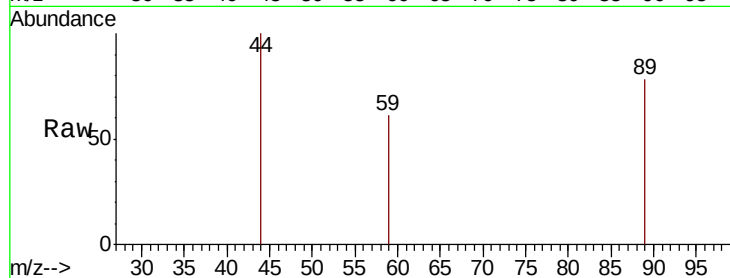


#11

Tert butyl alcohol
 Concen: 0.602 ug/l
 RT: 2.84 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VU027190.D
 Acq: 26 Sep 2018 20:54

Instrument :
 MSVOA_U
 ClientSampled :

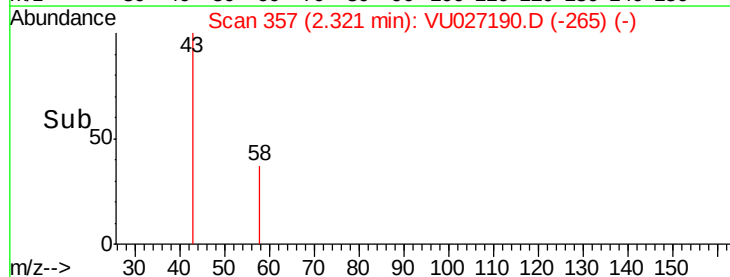
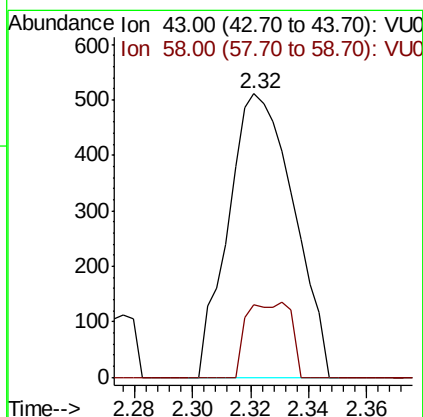
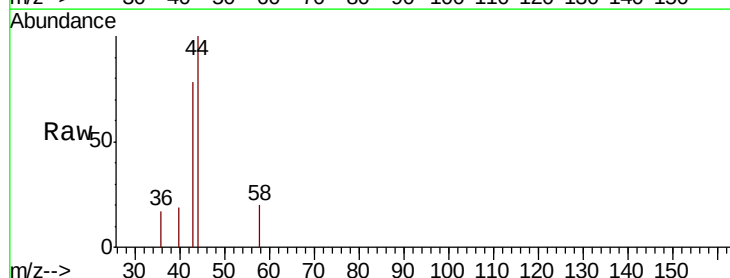
Tgt Ion: 59 Resp: 258
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

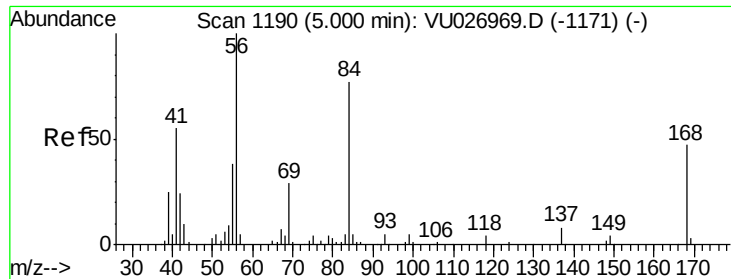


#16

Acetone
 Concen: Below Cal
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU027190.D
 Acq: 26 Sep 2018 20:54

Tgt Ion: 43 Resp: 797
 Ion Ratio Lower Upper
 43 100
 58 25.6 24.6 36.8

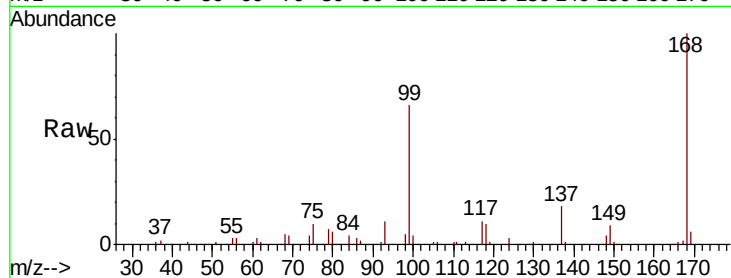




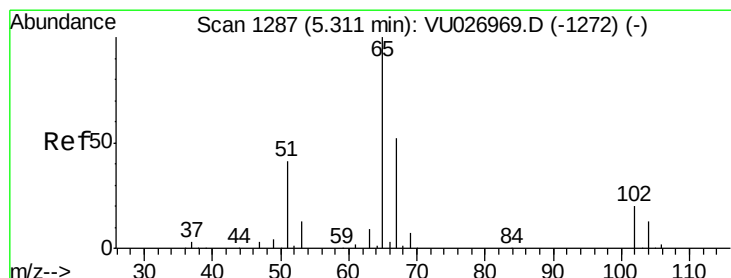
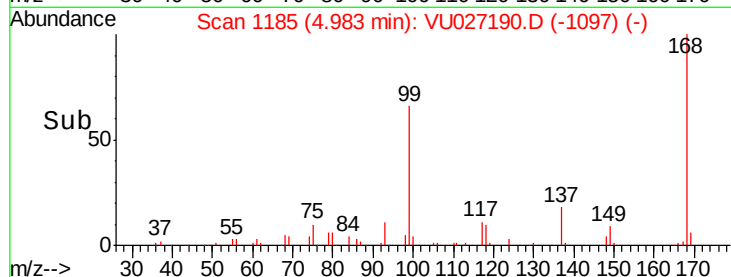
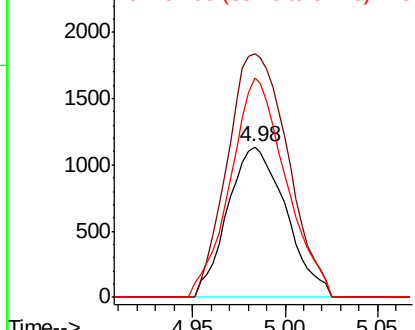
#31
Cyclohexane
Concen: 0.319 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU027190.D
Acq: 26 Sep 2018 20:54

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 56 Resp: 2481
Ion Ratio Lower Upper
56 100
69 161.7 23.0 34.4#
84 145.7 61.4 92.2#

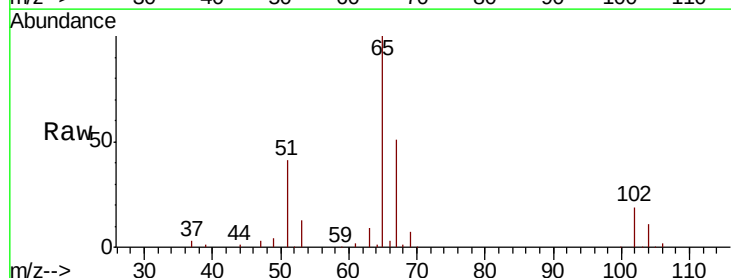


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

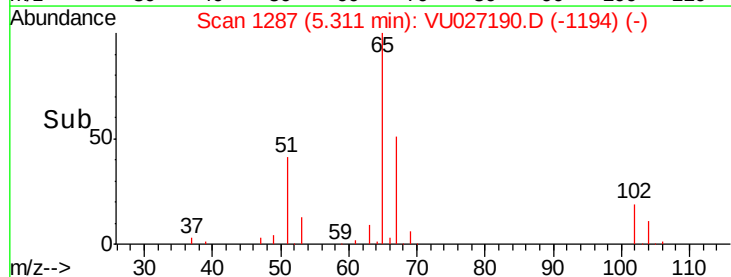
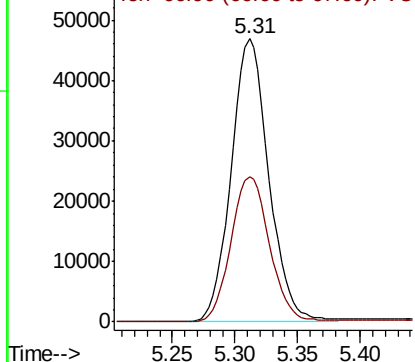


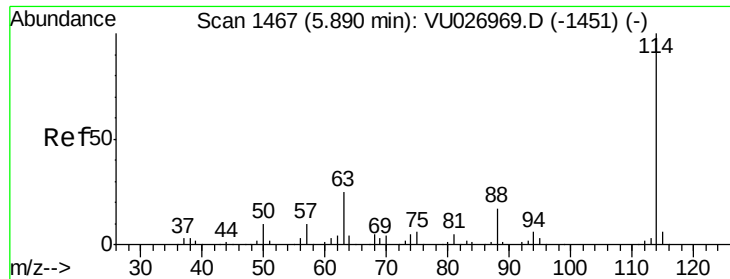
#33
1,2-Dichloroethane-d4
Concen: 52.303 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027190.D
Acq: 26 Sep 2018 20:54

Tgt Ion: 65 Resp: 97777
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.6



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

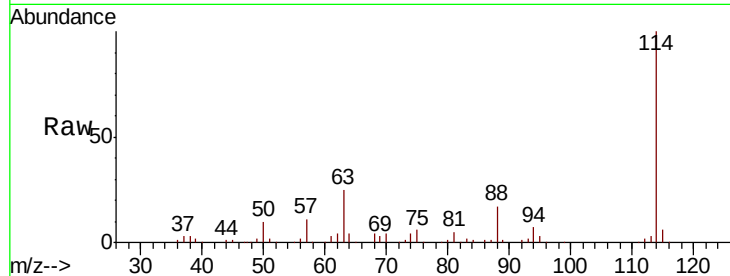




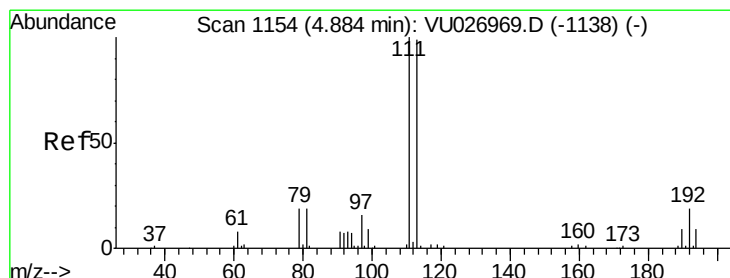
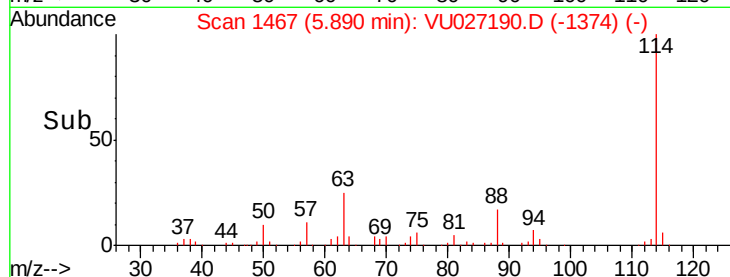
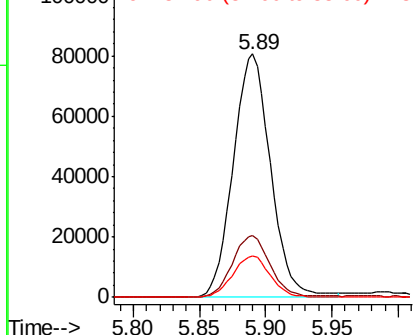
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027190.D
 Acq: 26 Sep 2018 20:54

Instrument :
 MSVOA_U
 ClientSampled :

Tgt Ion:114 Resp: 158201
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 49.2
 88 17.0 0.0 33.8

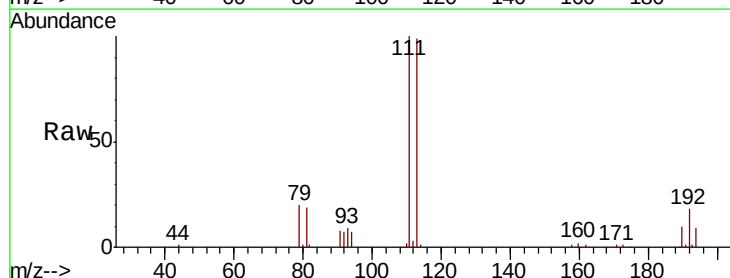


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

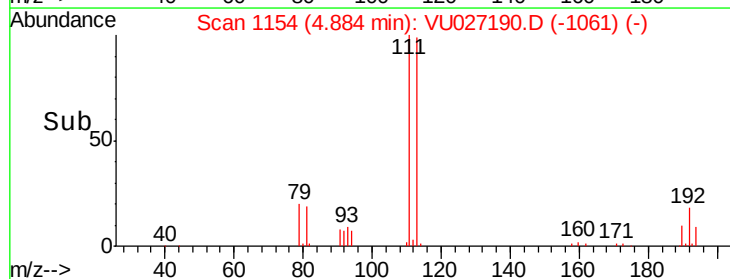
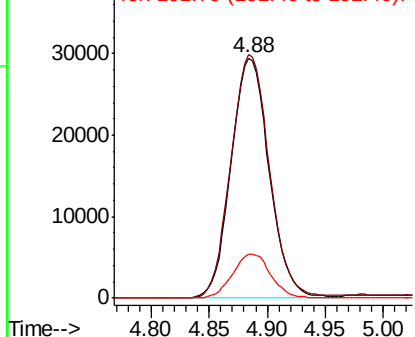


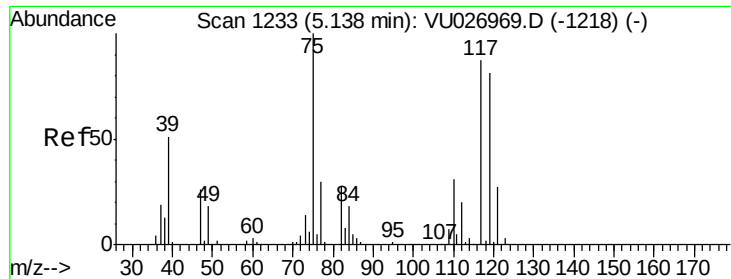
#35
 Dibromofluoromethane
 Concen: 49.041 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027190.D
 Acq: 26 Sep 2018 20:54

Tgt Ion:113 Resp: 67250
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.2 123.4
 192 18.2 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: 4.196 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027190.D

Acq: 26 Sep 2018 20:54

Instrument :

MSVOA_U

ClientSampled :

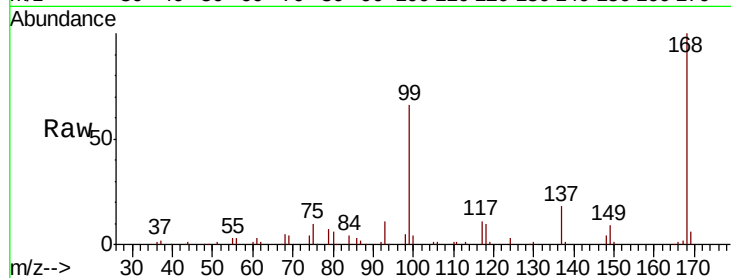
Tgt Ion: 75 Resp: 8860

Ion Ratio Lower Upper

75 100

110 6.5 16.1 48.2#

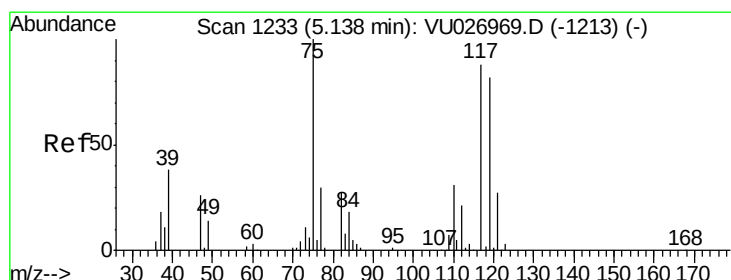
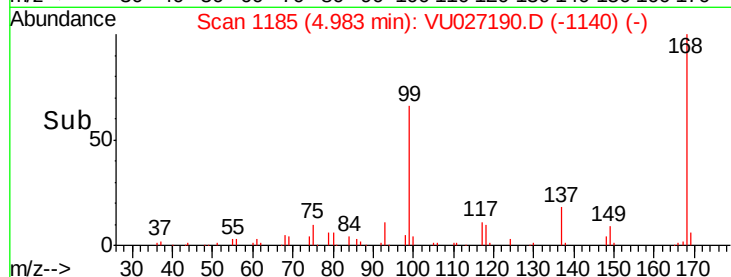
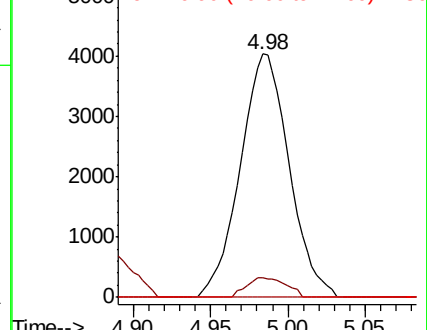
77 0.0 24.6 36.8#



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) (-)



#38

Carbon Tetrachloride

Concen: 4.638 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027190.D

Acq: 26 Sep 2018 20:54

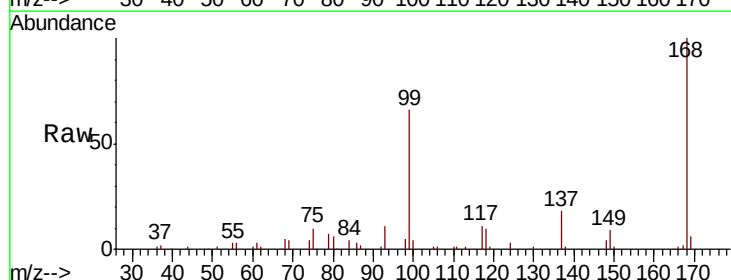
Tgt Ion: 117 Resp: 9318

Ion Ratio Lower Upper

117 100

119 7.8 74.4 111.6#

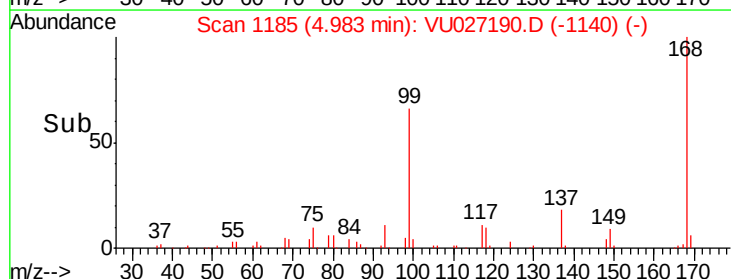
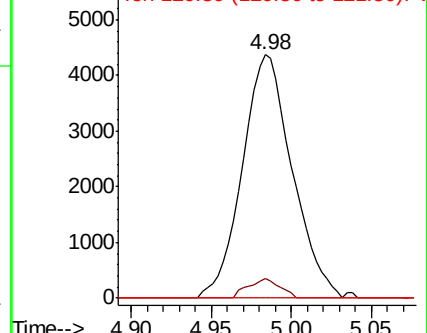
121 0.0 24.2 36.4#

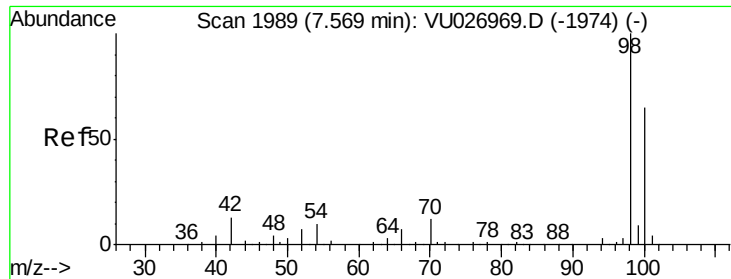


Abundance Ion 116.80 (116.50 to 117.50): VU026969.D (-1213) (-)

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

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

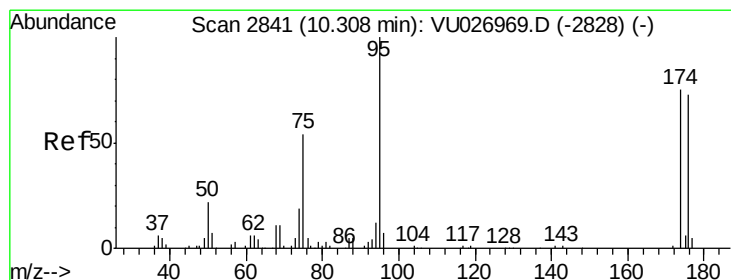
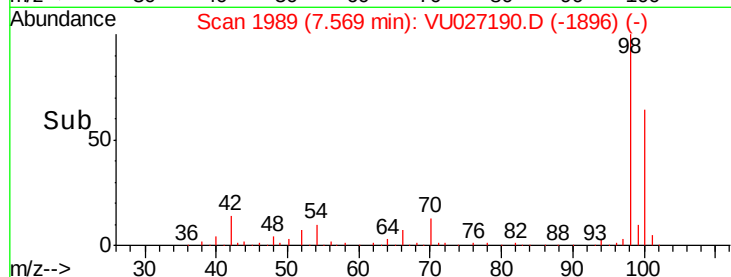
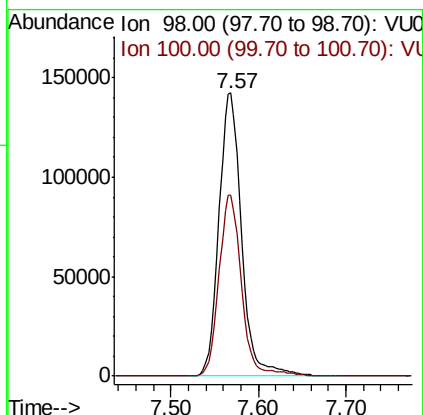
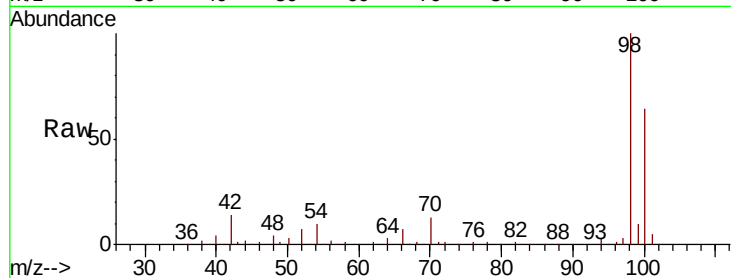




#50
Toluene-d8
Concen: 49.024 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027190.D
Acq: 26 Sep 2018 20:54

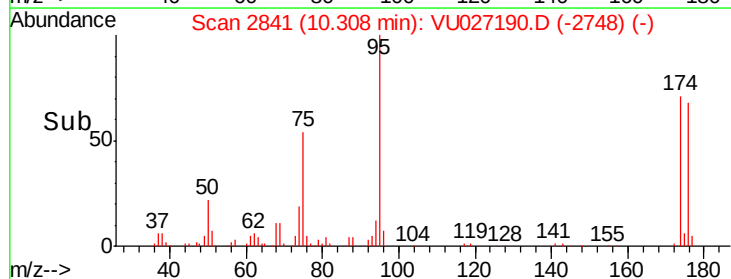
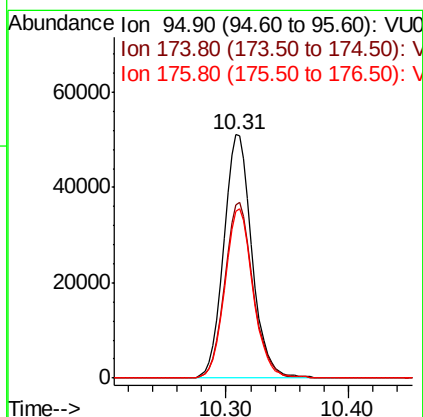
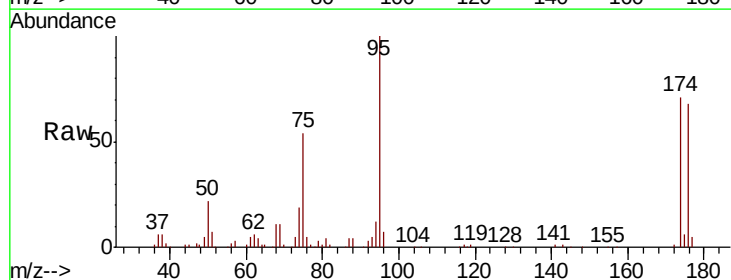
Instrument :
MSVOA_U
ClientSampleId :

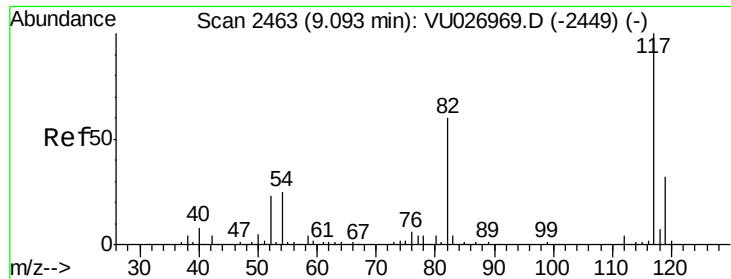
Tgt Ion: 98 Resp: 256200
Ion Ratio Lower Upper
98 100
100 63.8 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 46.146 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027190.D
Acq: 26 Sep 2018 20:54

Tgt Ion: 95 Resp: 82750
Ion Ratio Lower Upper
95 100
174 72.8 0.0 150.2
176 69.9 0.0 145.2

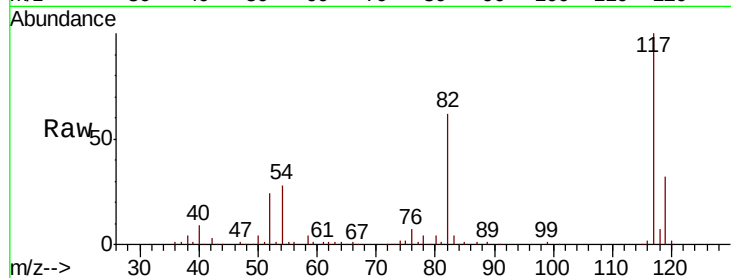




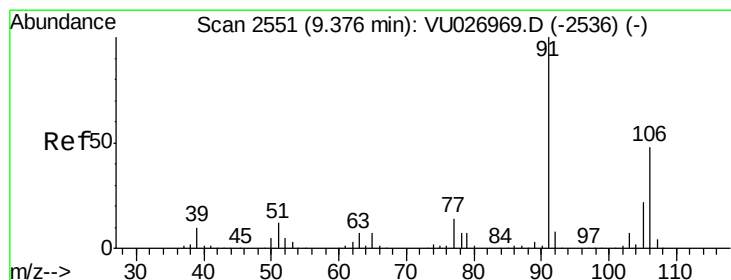
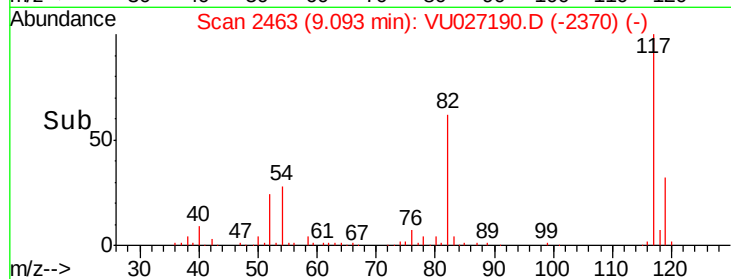
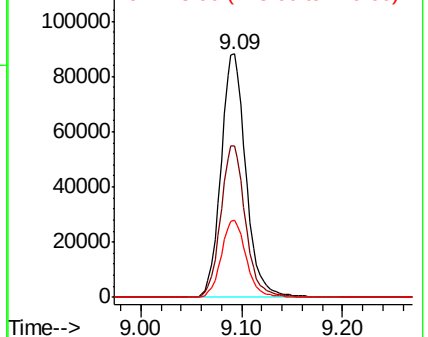
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027190.D
Acq: 26 Sep 2018 20:54

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:117 Resp: 151868
Ion Ratio Lower Upper
117 100
82 62.4 48.0 72.0
119 31.7 25.8 38.8

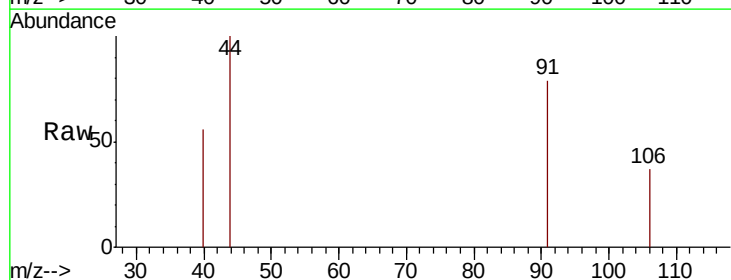


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

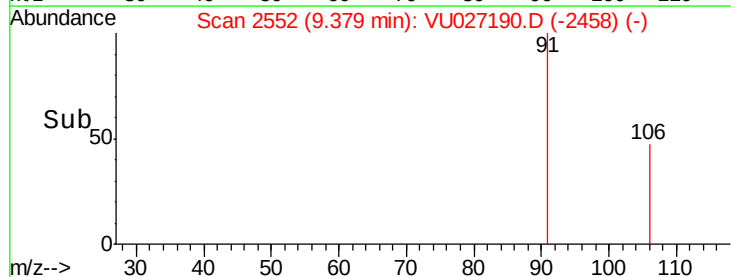
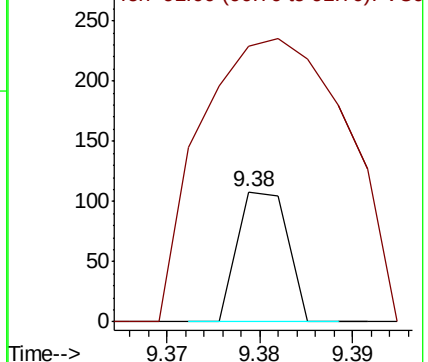


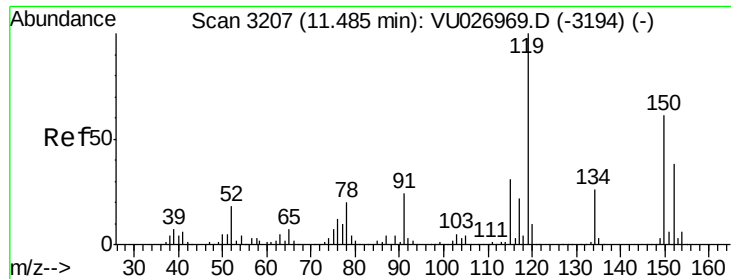
#68
m/p-Xylenes
Concen: 1.516 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU027190.D
Acq: 26 Sep 2018 20:54

Tgt Ion:106 Resp: 41
Ion Ratio Lower Upper
106 100
91 626.8 166.5 249.7#



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027190.D

Acq: 26 Sep 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

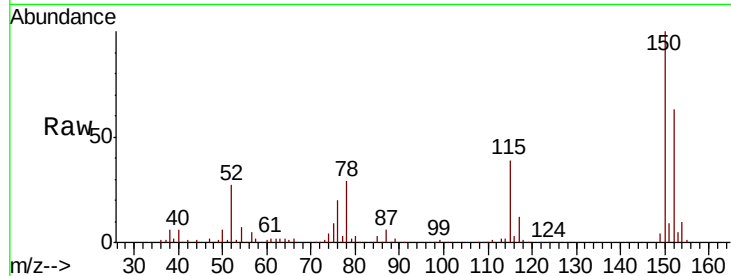
Tgt Ion:152 Resp: 70280

Ion Ratio Lower Upper

152 100

115 62.2 44.9 134.5

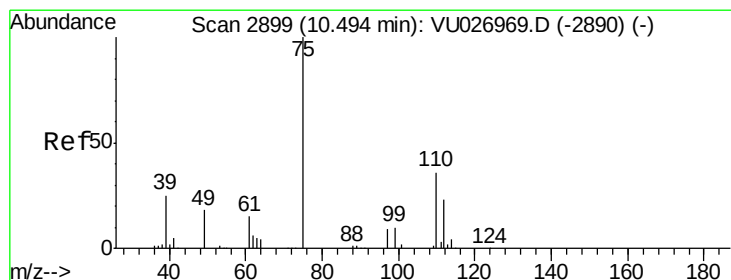
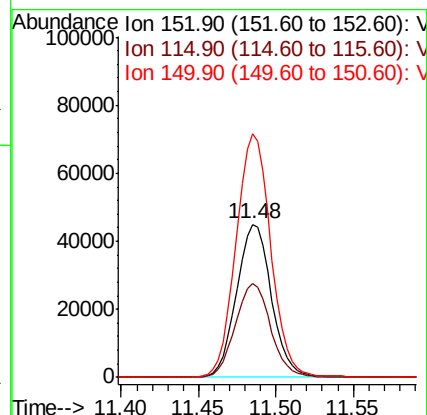
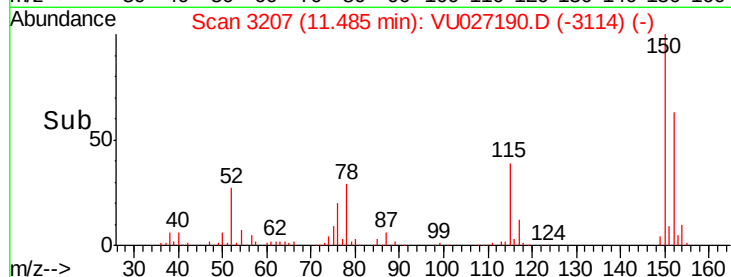
150 159.3 0.0 355.8



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: 21.074 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027190.D

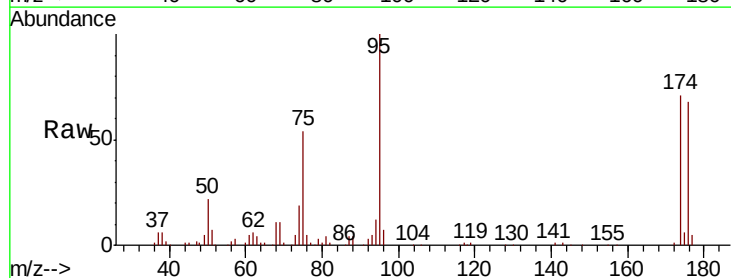
Acq: 26 Sep 2018 20:54

Tgt Ion: 75 Resp: 44994

Ion Ratio Lower Upper

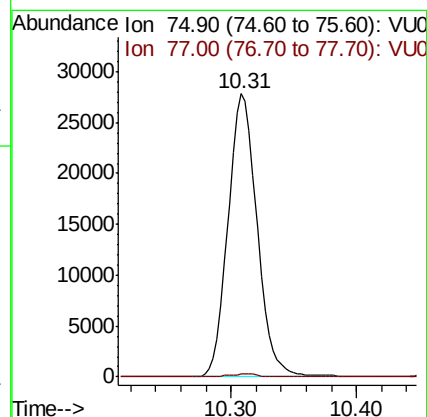
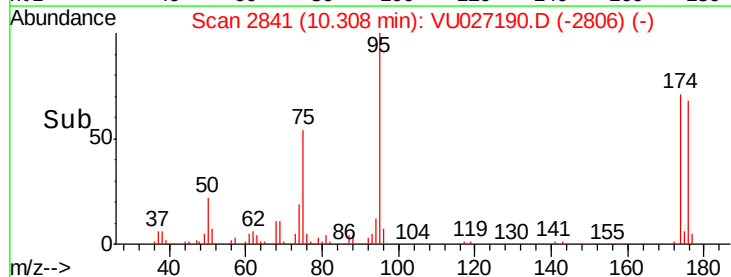
75 100

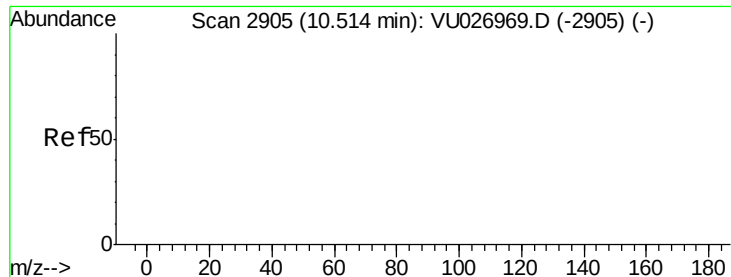
77 0.9 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

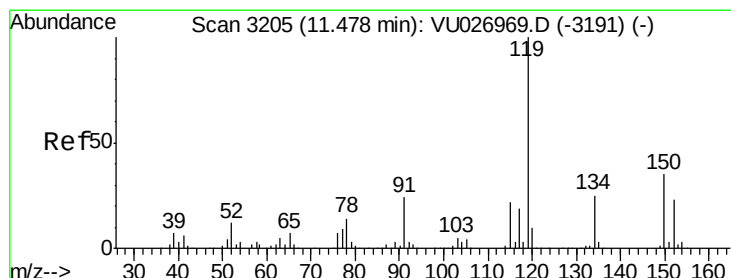
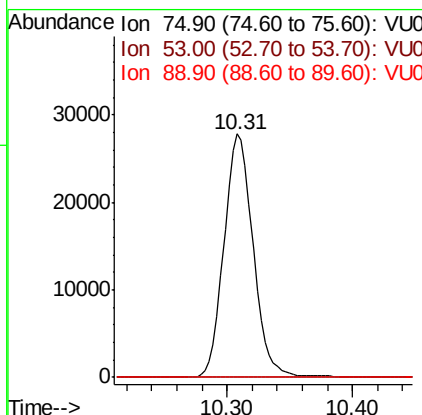
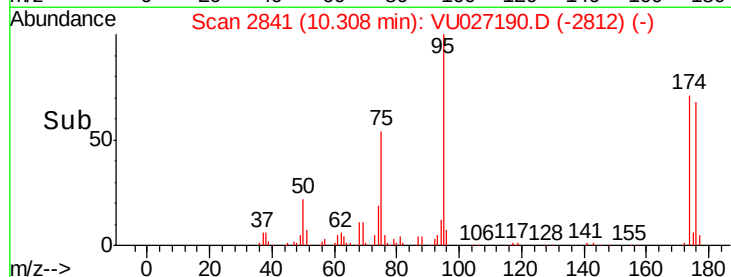
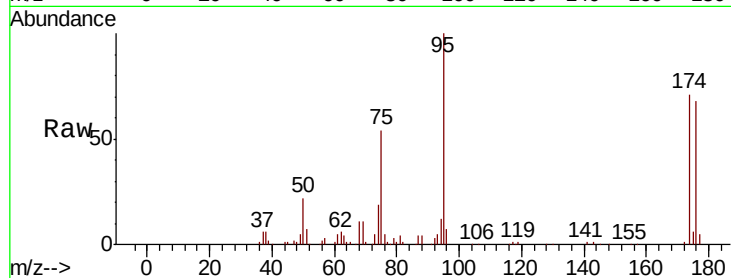




#81
trans-1,4-Dichloro-2-butene
Concen: 67.439 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.21 min
Lab File: VU027190.D
Acq: 26 Sep 2018 20:54

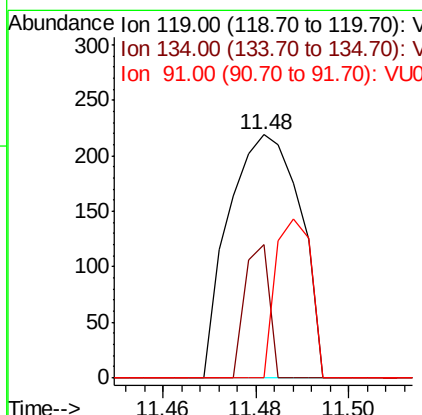
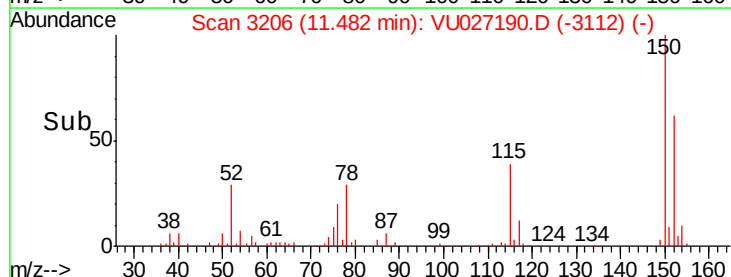
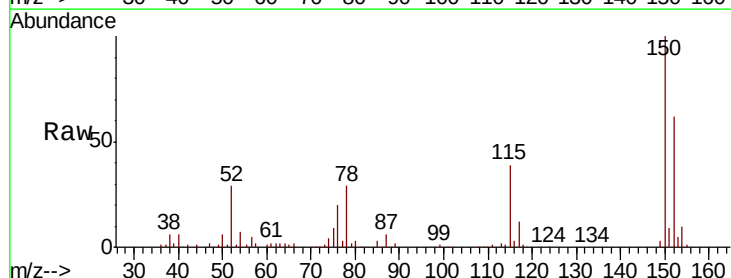
Instrument :
MSVOA_U
ClientSampleId :

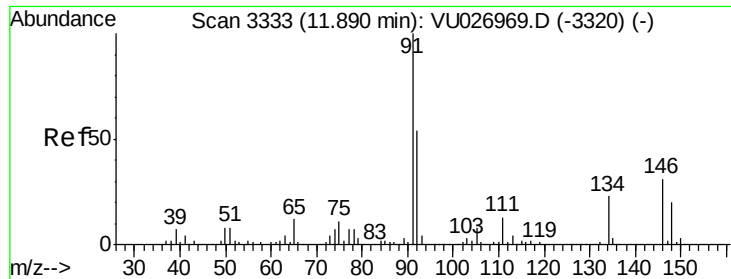
Tgt Ion: 75 Resp: 44994
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#86
p-Isopropyltoluene
Concen: 0.973 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU027190.D
Acq: 26 Sep 2018 20:54

Tgt Ion: 119 Resp: 233
Ion Ratio Lower Upper
119 100
134 18.9 12.8 38.3
91 32.6 12.3 36.8





#89

n-Butylbenzene

Concen: 2.432 ug/l

RT: 11.90 min Scan# 3337

Delta R.T. 0.01 min

Lab File: VU027190.D

Acq: 26 Sep 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

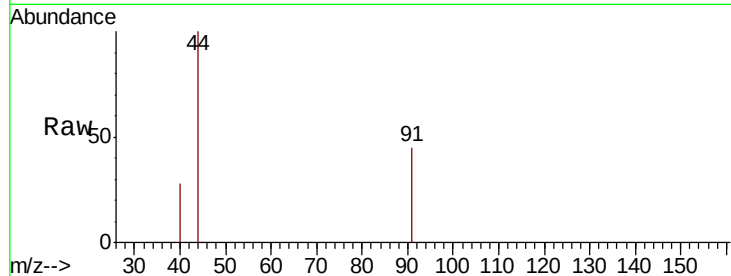
Tgt Ion: 91 Resp: 200

Ion Ratio Lower Upper

91 100

92 21.0 27.1 81.2#

134 0.0 11.7 35.0#

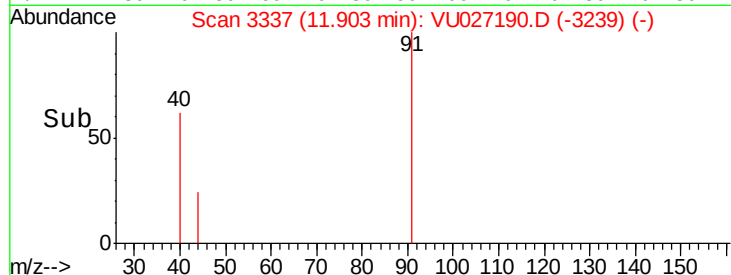


Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-3320) (-)

Ion 92.00 (91.70 to 92.70): VU026969.D (-3320) (-)

Ion 134.00 (133.70 to 134.70): VU026969.D (-3320) (-)

Time-->



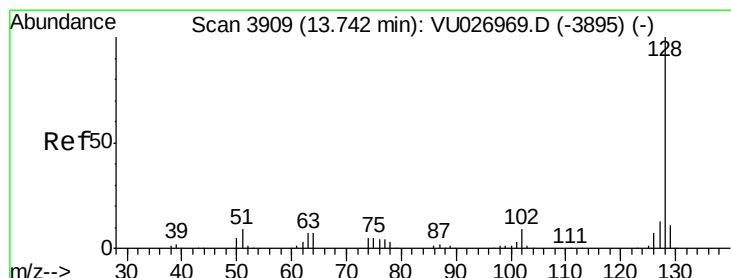
Abundance

Ion 91.00 (90.70 to 91.70): VU026969.D (-3320) (-)

Ion 92.00 (91.70 to 92.70): VU026969.D (-3320) (-)

Ion 134.00 (133.70 to 134.70): VU026969.D (-3320) (-)

Time-->



#95

Naphthalene

Concen: 1.791 ug/l

RT: 13.75 min Scan# 3912

Delta R.T. 0.01 min

Lab File: VU027190.D

Acq: 26 Sep 2018 20:54

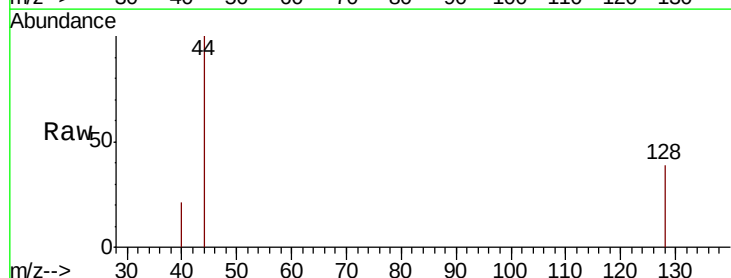
Tgt Ion: 128 Resp: 616

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 12.8#

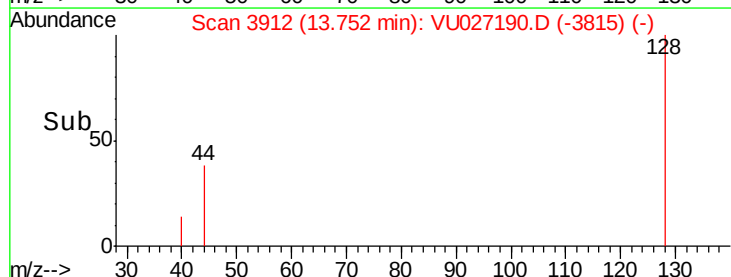


Abundance Ion 128.00 (127.70 to 128.70): VU026969.D (-3895) (-)

Ion 127.00 (126.70 to 127.70): VU026969.D (-3895) (-)

Ion 129.00 (128.70 to 129.70): VU026969.D (-3895) (-)

Time-->



Abundance

Ion 128.00 (127.70 to 128.70): VU026969.D (-3895) (-)

Ion 127.00 (126.70 to 127.70): VU026969.D (-3895) (-)

Ion 129.00 (128.70 to 129.70): VU026969.D (-3895) (-)

Time-->