

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092618\
 Data File : VU027197.D
 Acq On : 26 Sep 2018 23:37
 Operator : MD/SY
 Sample : J5049-03DL 40X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-97-SEP18DL

Quant Time: Sep 27 02:47:01 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	96054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	157073	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	150526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	70175	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	96907	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
35) Dibromofluoromethane	4.88	113	67455	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
50) Toluene-d8	7.57	98	251654	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
62) 4-Bromofluorobenzene	10.31	95	82758	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	

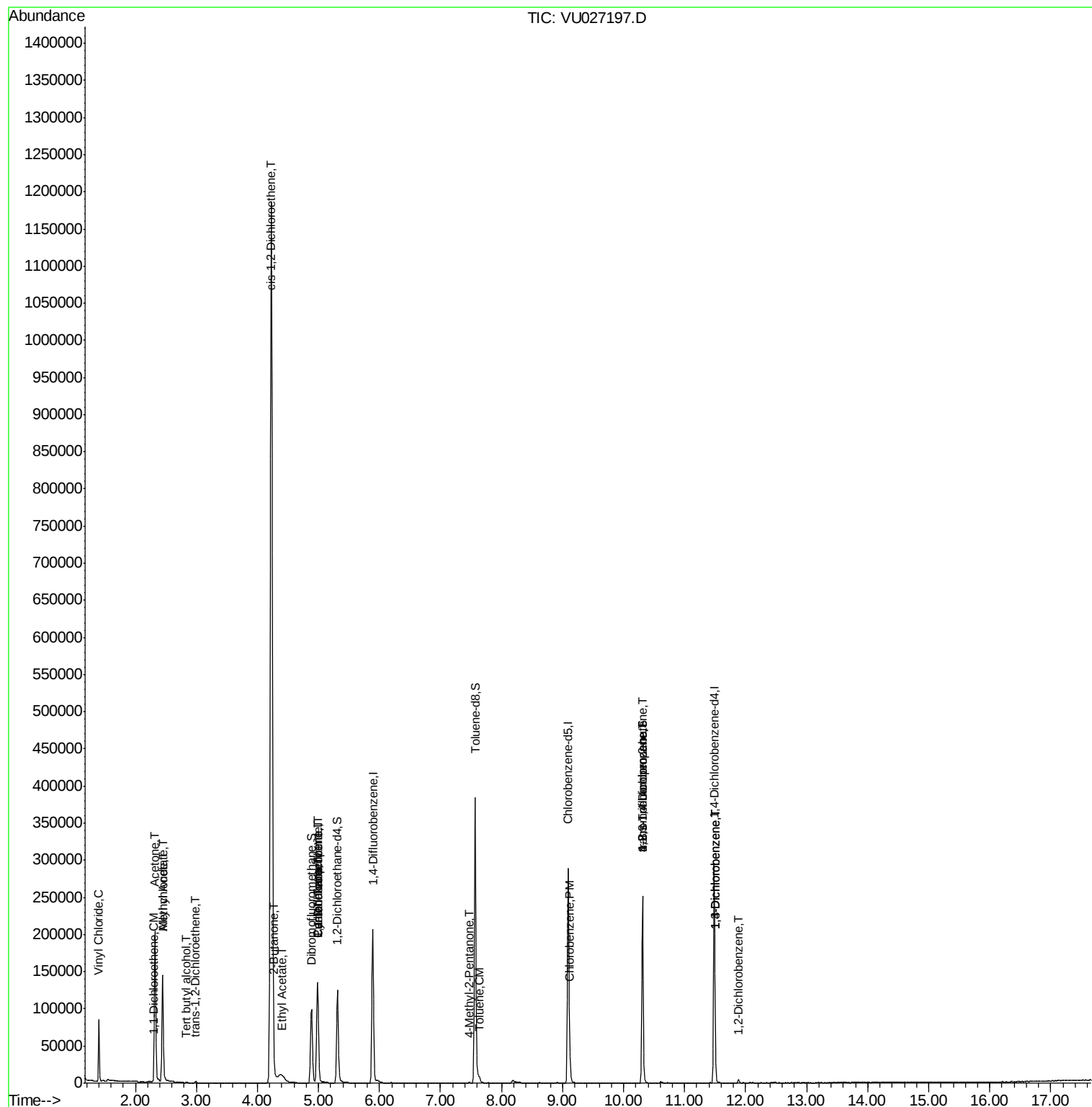
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	52856	26.188	ug/l	96
11) Tert butyl alcohol	2.83	59	220	0.496	ug/l #	72
12) 1,1-Dichloroethene	2.29	96	436	0.329	ug/l #	77
14) Allyl chloride	2.45	41	14121	5.248	ug/l #	71
16) Acetone	2.32	43	214360	205.808	ug/l	99
18) Methyl Acetate	2.44	43	33431	12.149	ug/l #	55
21) trans-1,2-Dichloroethene	2.99	96	681	0.481	ug/l	81
25) 2-Butanone	4.28	43	2925	1.800	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	606995	379.467	ug/l	92
31) Cyclohexane	4.98	56	2344	0.241	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	9204	4.391	ug/l #	49
37) Ethyl Acetate	4.40	43	1977	0.697	ug/l #	70
38) Carbon Tetrachloride	4.99	117	9705	4.865	ug/l #	17
51) 4-Methyl-2-Pentanone	7.47	43	888	0.319	ug/l #	62
52) Toluene	7.64	92	1607	0.440	ug/l	94
65) Chlorobenzene	9.12	112	12863	3.223	ug/l	97
76) 1,2,3-Trichloropropane	10.31	75	45126	21.167	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	45126	67.738	ug/l #	100
87) 1,3-Dichlorobenzene	11.51	146	2837	1.169	ug/l	89
88) 1,4-Dichlorobenzene	11.51	146	2837	1.072	ug/l	89
91) 1,2-Dichlorobenzene	11.89	146	2147	0.833	ug/l	95

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU092618\
Data File : VU027197.D
Acq On : 26 Sep 2018 23:37
Operator : MD/SY
Sample : J5049-03DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MW-97-SEP18DL

Quant Time: Sep 27 02:47:01 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration

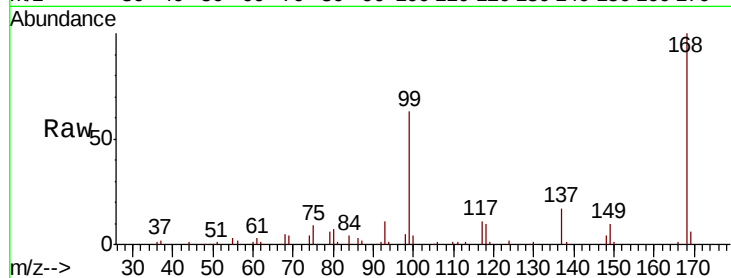




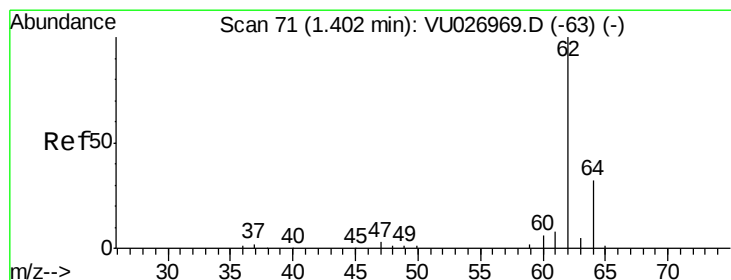
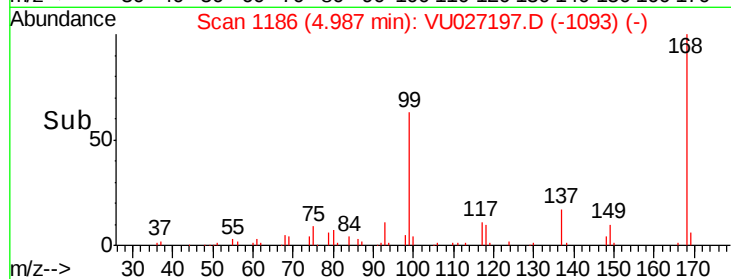
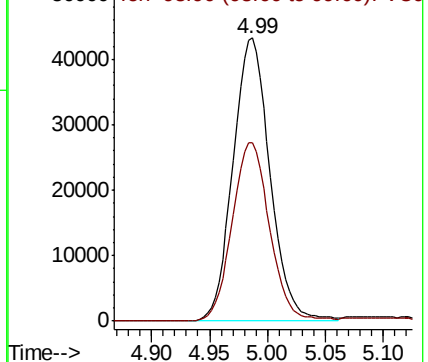
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VU027197.D
Acq: 26 Sep 2018 23:37

Instrument :
MSVOA_U
ClientSampleId :
MW-97-SEP18DL

Tgt Ion:168 Resp: 96054
Ion Ratio Lower Upper
168 100
99 63.0 48.1 72.1

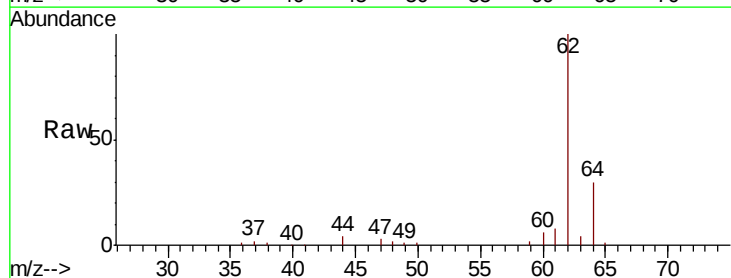


Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)
Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

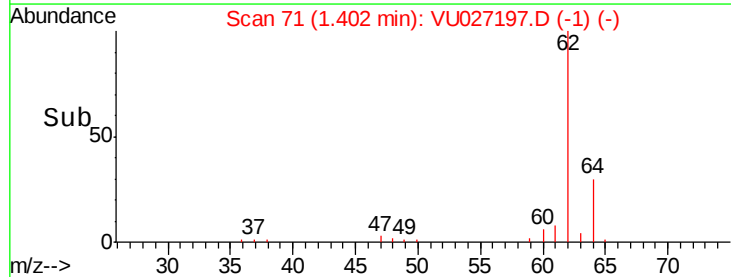
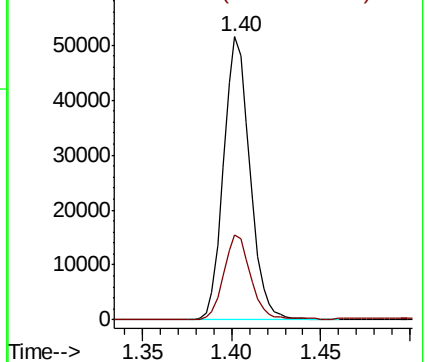


#4
Vinyl Chloride
Concen: 26.188 ug/l
RT: 1.40 min Scan# 71
Delta R.T. 0.00 min
Lab File: VU027197.D
Acq: 26 Sep 2018 23:37

Tgt Ion: 62 Resp: 52856
Ion Ratio Lower Upper
62 100
64 29.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU026969.D (-63) (-)
Ion 63.90 (63.60 to 64.60): VU026969.D (-63) (-)



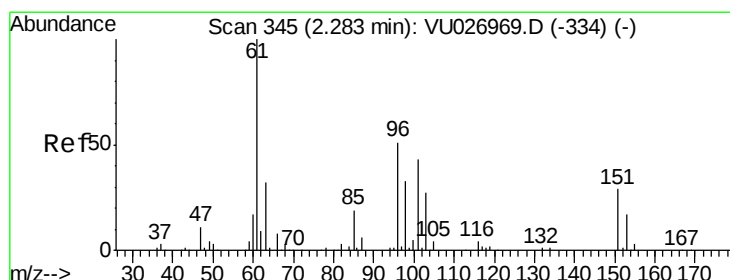
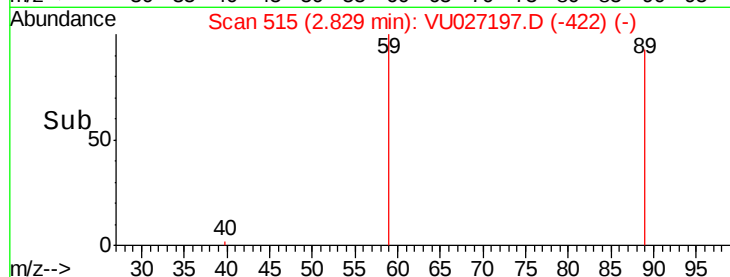
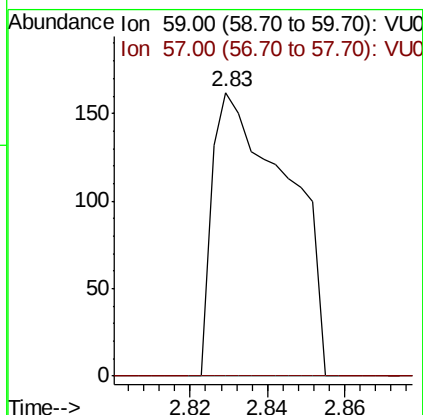
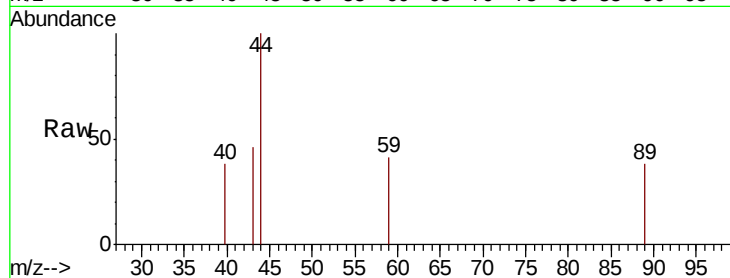


#11

Tert butyl alcohol
 Concen: 0.496 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.00 min
 Lab File: VU027197.D
 Acq: 26 Sep 2018 23:37

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-97-SEP18DL

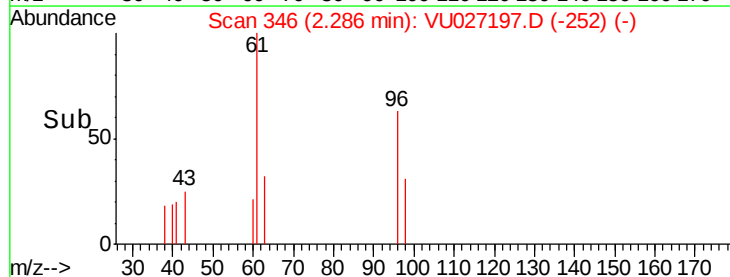
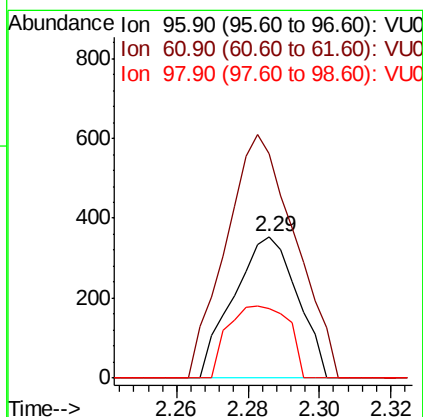
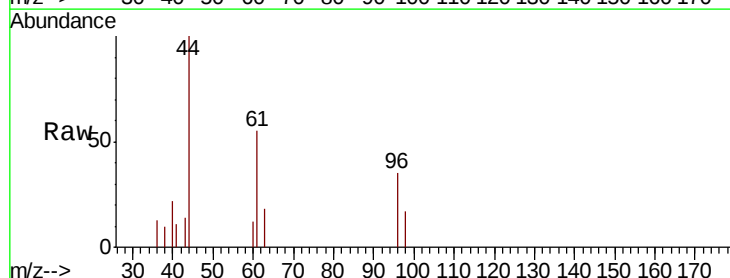
Tgt Ion: 59 Resp: 220
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

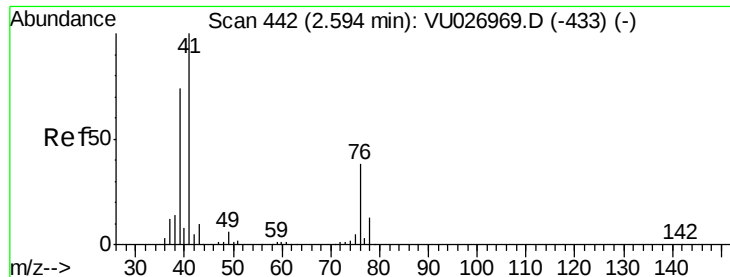


#12

1,1-Dichloroethene
 Concen: 0.329 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU027197.D
 Acq: 26 Sep 2018 23:37

Tgt Ion: 96 Resp: 436
 Ion Ratio Lower Upper
 96 100
 61 159.0 156.1 234.1
 98 48.9 51.4 77.0#





#14

Allyl chloride

Concen: 5.248 ug/l

RT: 2.45 min Scan# 396

Delta R.T. -0.15 min

Lab File: VU027197.D

Acq: 26 Sep 2018 23:37

Instrument :

MSVOA_U

ClientSampleId :

MW-97-SEP18DL

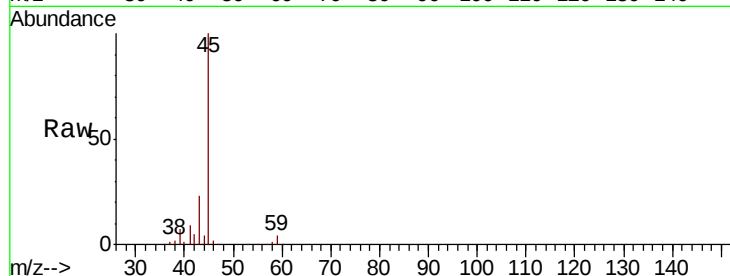
Tgt Ion: 41 Resp: 14121

Ion Ratio Lower Upper

41 100

39 82.4 55.7 83.5

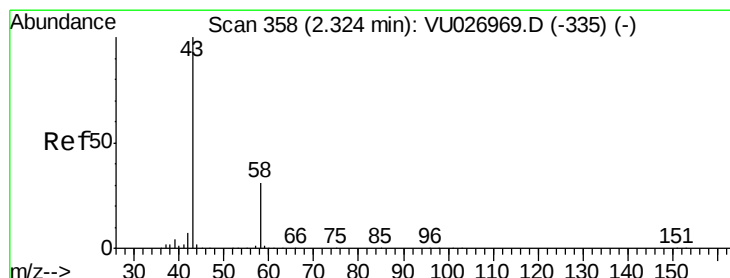
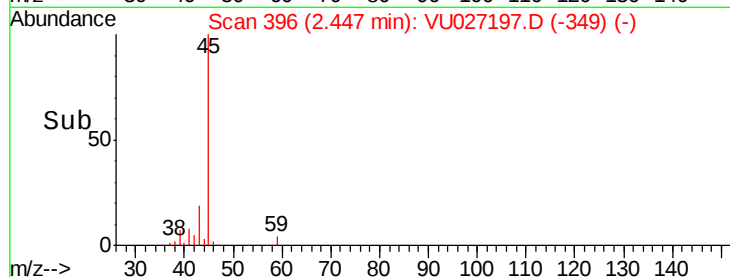
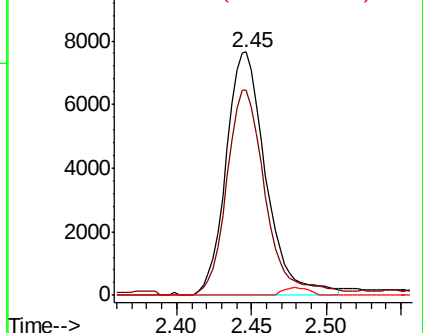
76 0.0 26.5 39.7#



Abundance Ion 41.00 (40.70 to 41.70): VU027197.D (-396) (-)

Ion 39.00 (38.70 to 39.70): VU027197.D (-396) (-)

Ion 75.90 (75.60 to 76.60): VU027197.D (-396) (-)



#16

Acetone

Concen: 205.808 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027197.D

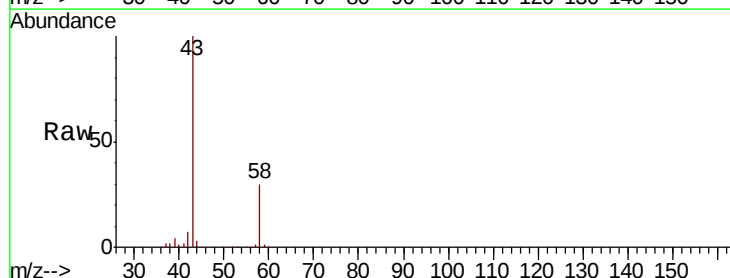
Acq: 26 Sep 2018 23:37

Tgt Ion: 43 Resp: 214360

Ion Ratio Lower Upper

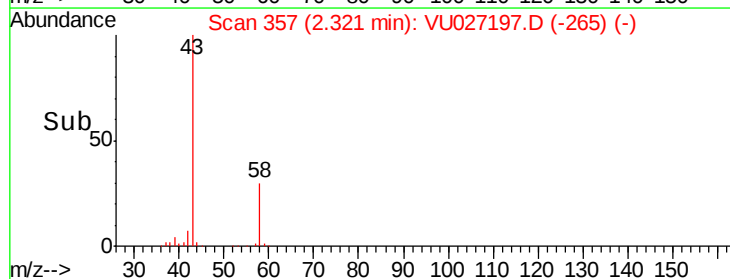
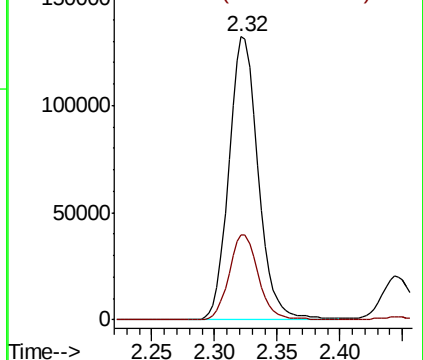
43 100

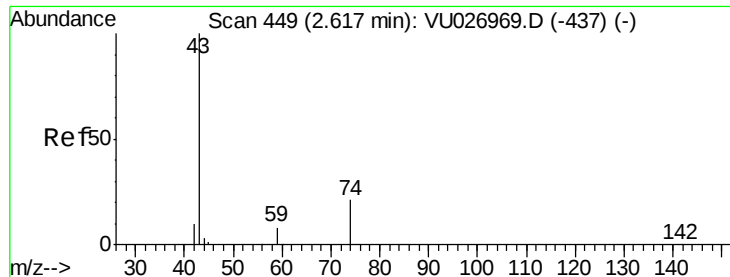
58 30.1 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU027197.D (-357) (-)

Ion 58.00 (57.70 to 58.70): VU027197.D (-357) (-)

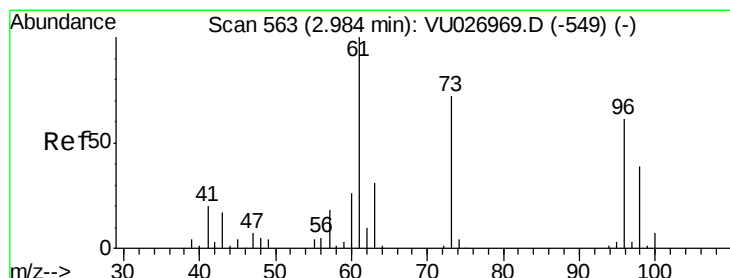
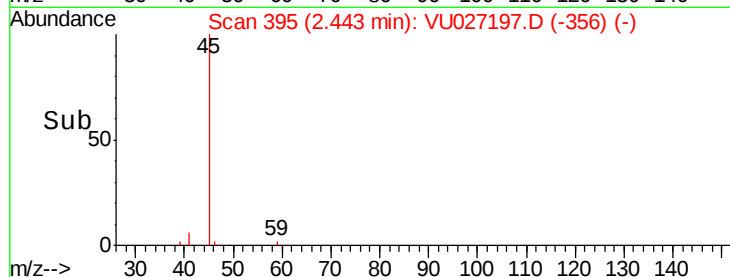
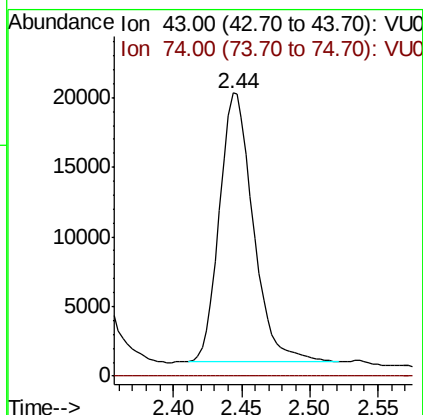
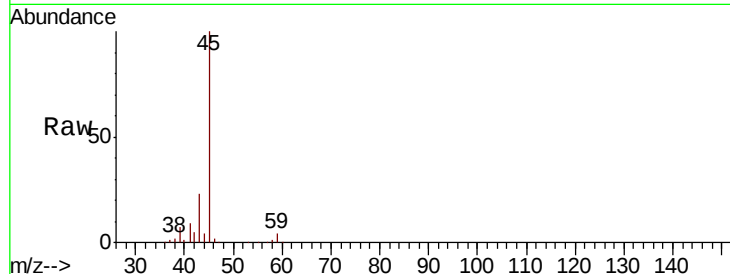




#18
Methyl Acetate
Concen: 12.149 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU027197.D
Acq: 26 Sep 2018 23:37

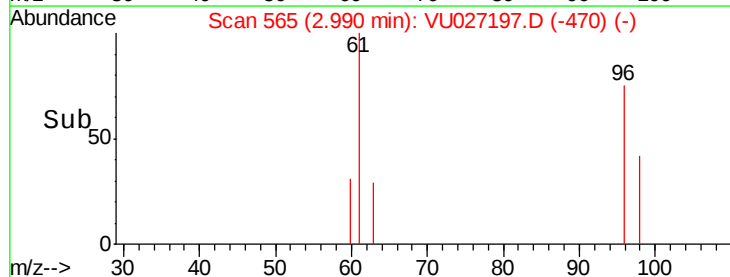
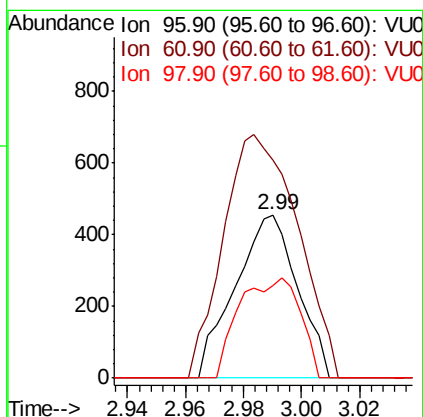
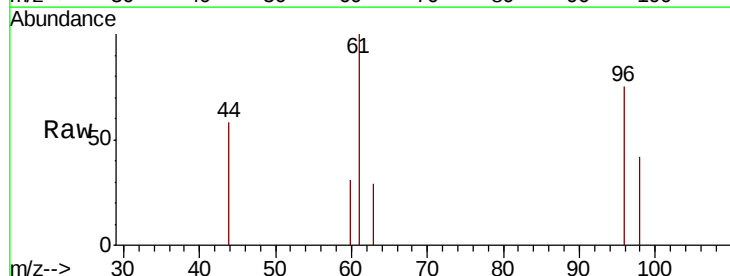
Instrument :
MSVOA_U
ClientSampleId :
MW-97-SEP18DL

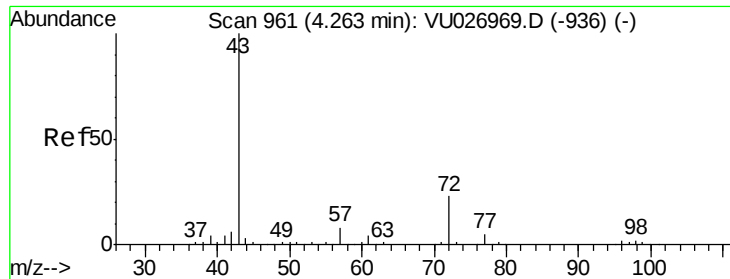
Tgt Ion: 43 Resp: 33431
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



#21
trans-1,2-Dichloroethene
Concen: 0.481 ug/l
RT: 2.99 min Scan# 565
Delta R.T. 0.01 min
Lab File: VU027197.D
Acq: 26 Sep 2018 23:37

Tgt Ion: 96 Resp: 681
Ion Ratio Lower Upper
96 100
61 133.8 131.8 197.6
98 56.6 50.9 76.3





#25

2-Butanone

Concen: 1.800 ug/l

RT: 4.28 min Scan# 965

Delta R.T. 0.01 min

Lab File: VU027197.D

Acq: 26 Sep 2018 23:37

Instrument :

MSVOA_U

ClientSampleId :

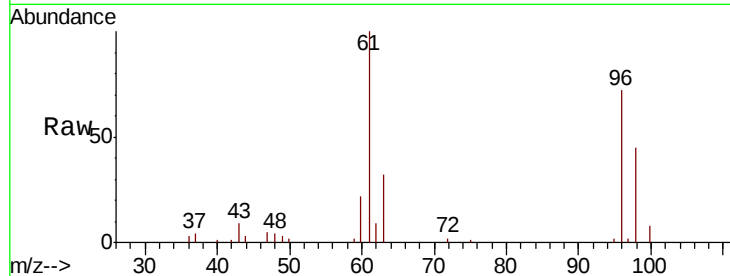
MW-97-SEP18DL

Tgt Ion: 43 Resp: 2925

Ion Ratio Lower Upper

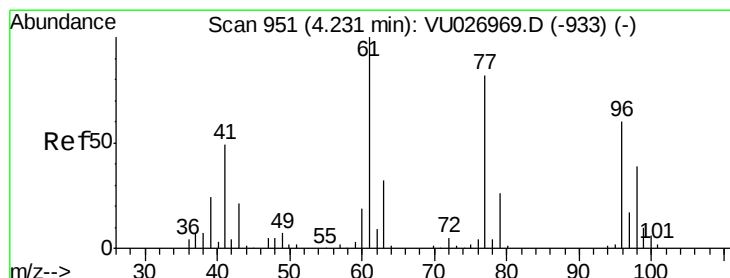
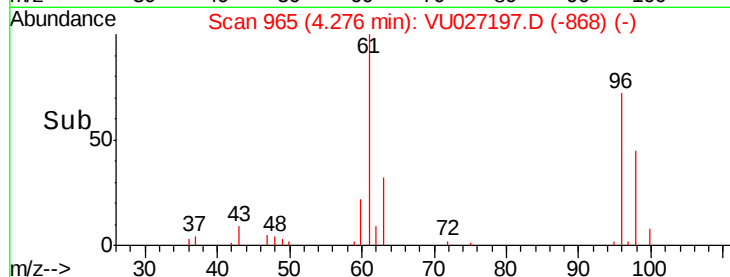
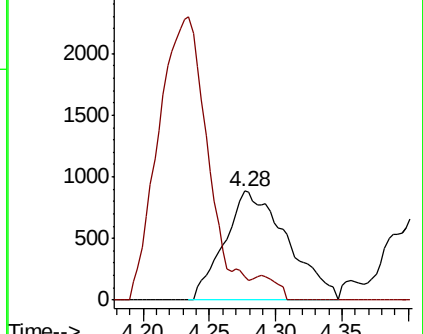
43 100

72 21.9 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#27

cis-1,2-Dichloroethene

Concen: 379.467 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027197.D

Acq: 26 Sep 2018 23:37

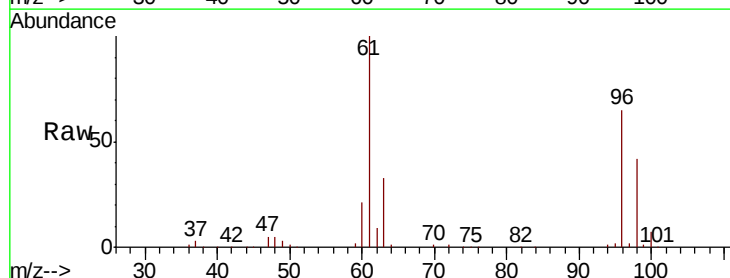
Tgt Ion: 96 Resp: 606995

Ion Ratio Lower Upper

96 100

61 153.3 0.0 337.2

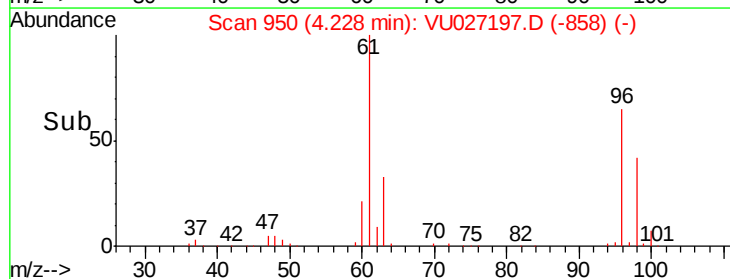
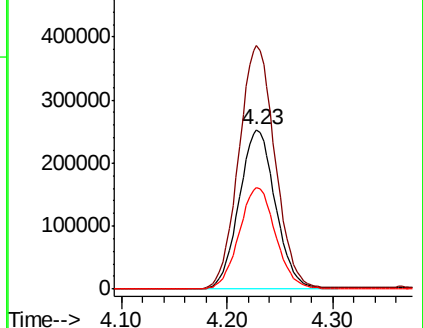
98 64.1 0.0 127.6

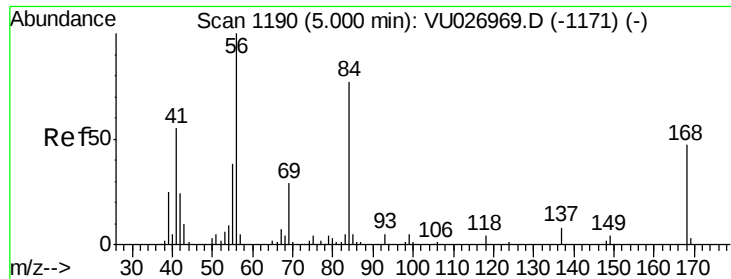


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

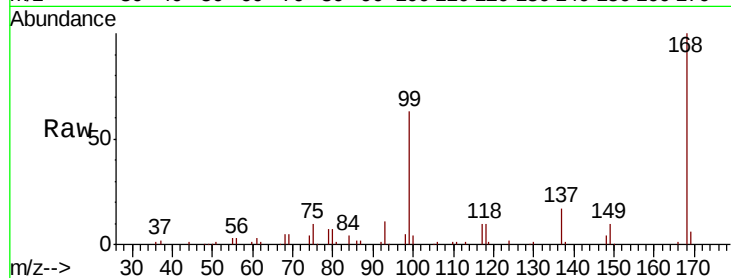




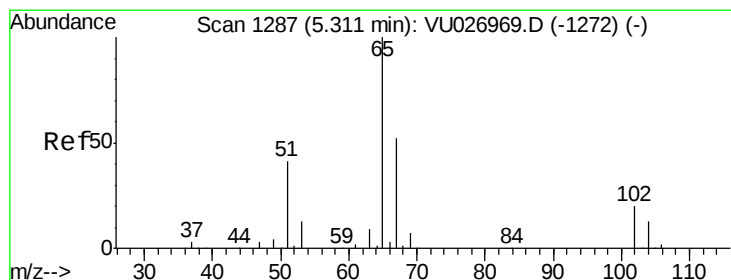
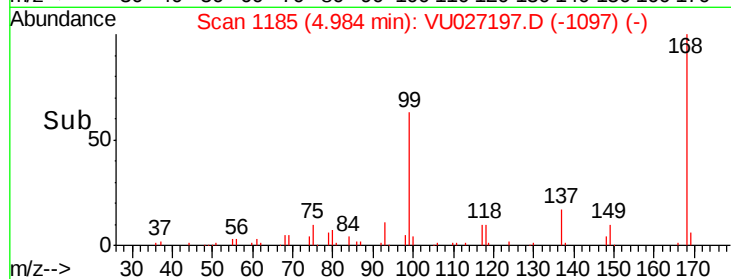
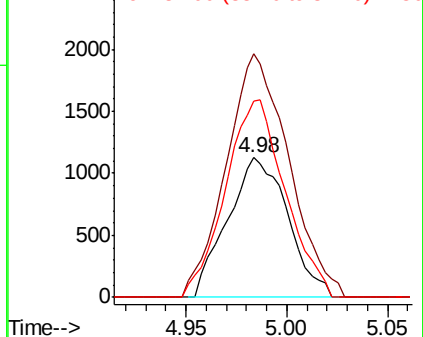
#31
Cyclohexane
Concen: 0.241 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU027197.D
Acq: 26 Sep 2018 23:37

Instrument :
MSVOA_U
ClientSampleId :
MW-97-SEP18DL

Tgt Ion: 56 Resp: 2344
Ion Ratio Lower Upper
56 100
69 164.2 23.0 34.4#
84 140.6 61.4 92.2#

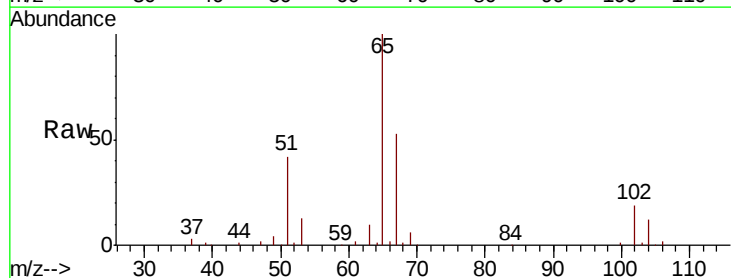


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

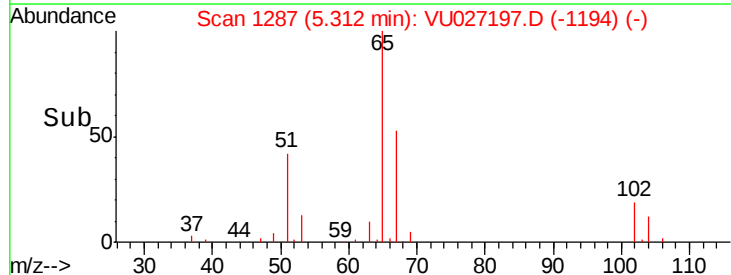
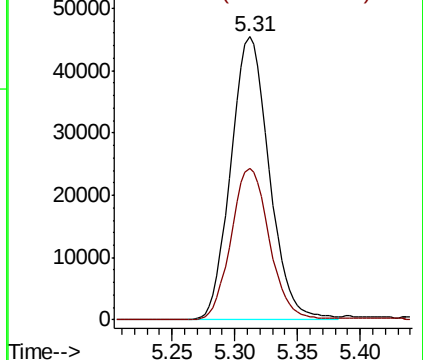


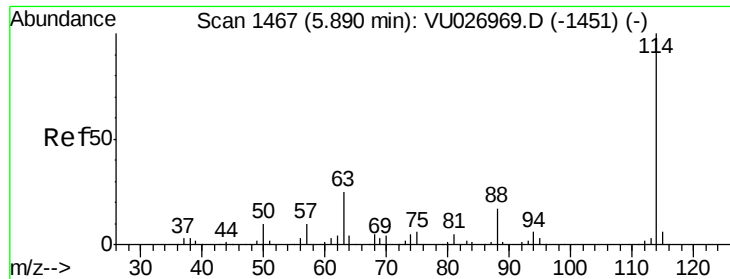
#33
1,2-Dichloroethane-d4
Concen: 50.127 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027197.D
Acq: 26 Sep 2018 23:37

Tgt Ion: 65 Resp: 96907
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

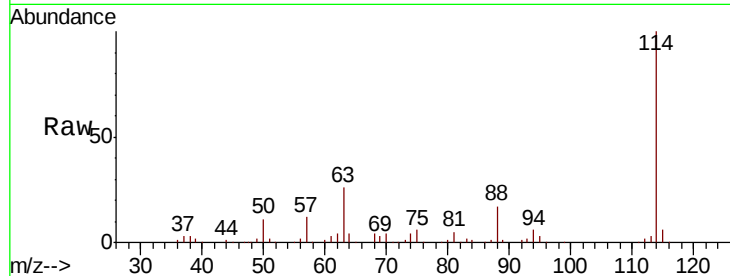




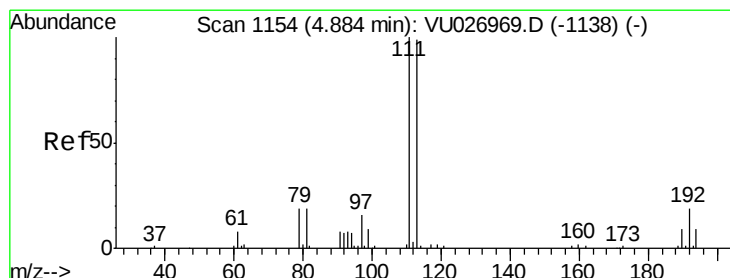
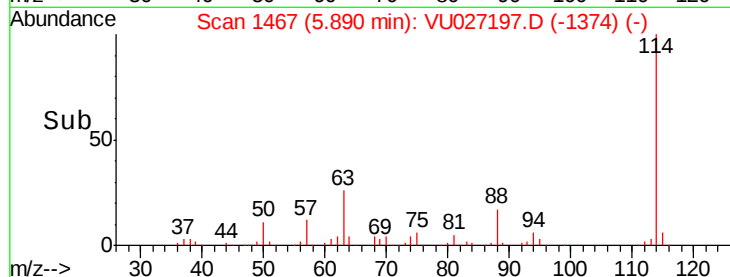
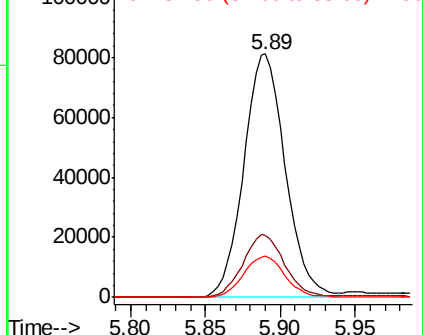
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027197.D
 Acq: 26 Sep 2018 23:37

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-97-SEP18DL

Tgt Ion:114 Resp: 157073
 Ion Ratio Lower Upper
 114 100
 63 25.5 0.0 49.2
 88 16.9 0.0 33.8

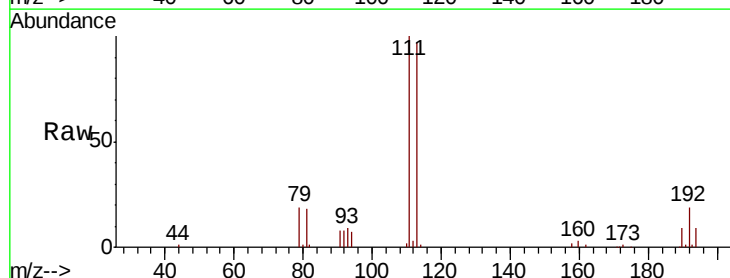


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

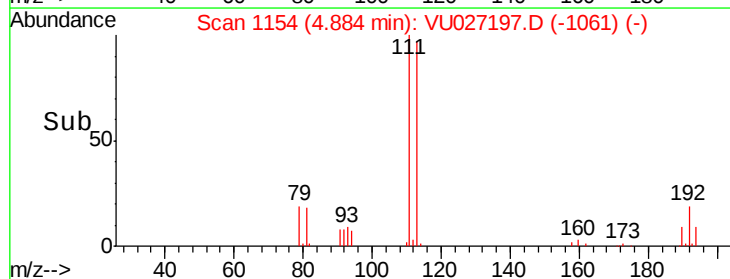
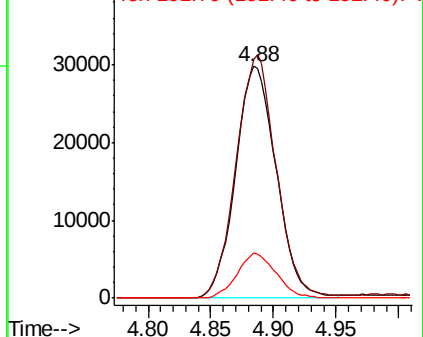


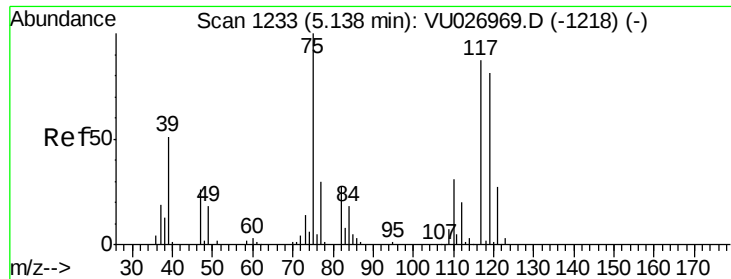
#35
 Dibromofluoromethane
 Concen: 49.544 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027197.D
 Acq: 26 Sep 2018 23:37

Tgt Ion:113 Resp: 67455
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.2 123.4
 192 18.6 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

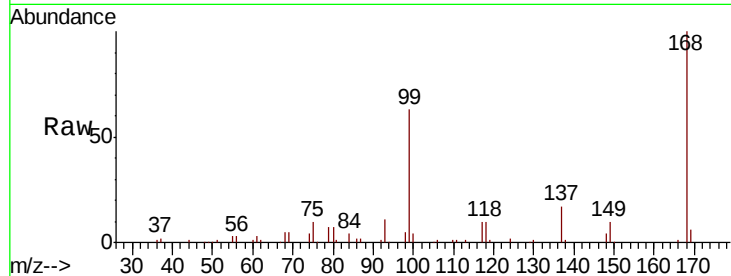




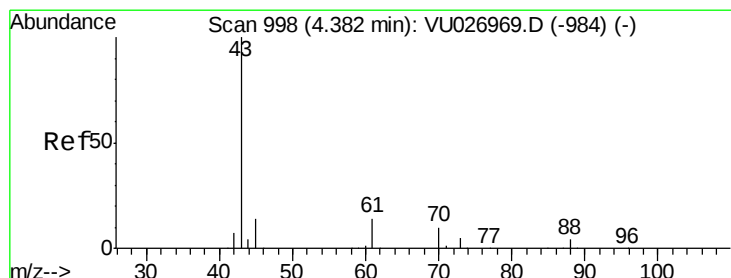
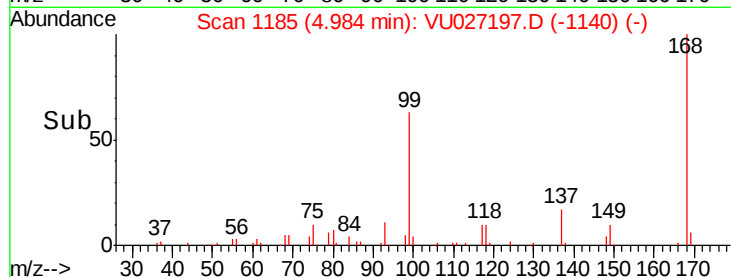
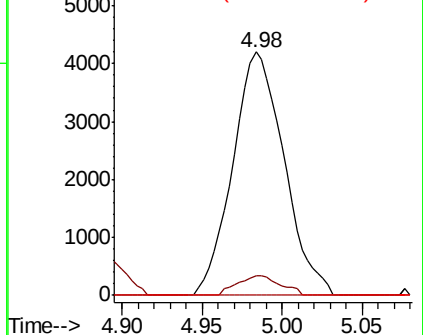
#36
 1,1-Dichloropropene
 Concen: 4.391 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027197.D
 Acq: 26 Sep 2018 23:37

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-97-SEP18DL

Tgt Ion: 75 Resp: 9204
 Ion Ratio Lower Upper
 75 100
 110 6.7 16.1 48.2#
 77 0.0 24.6 36.8#

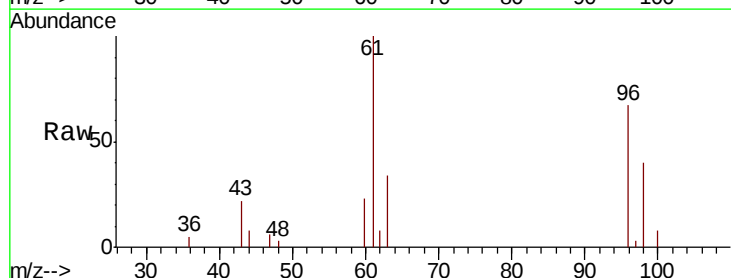


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): VU0
 Ion 76.90 (76.60 to 77.60): VU0

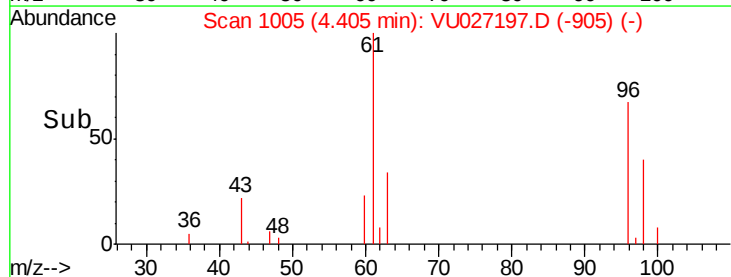
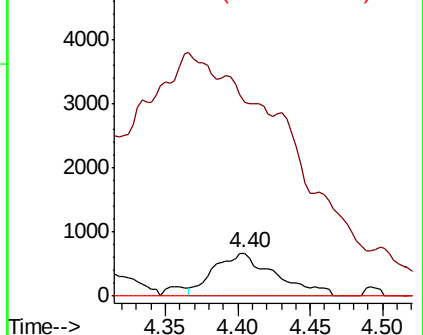


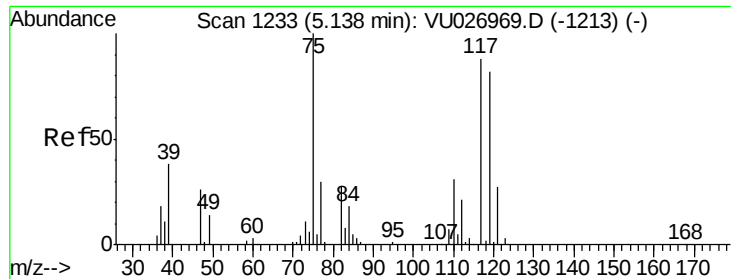
#37
 Ethyl Acetate
 Concen: 0.697 ug/l
 RT: 4.40 min Scan# 1005
 Delta R.T. 0.02 min
 Lab File: VU027197.D
 Acq: 26 Sep 2018 23:37

Tgt Ion: 43 Resp: 1977
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.5 15.7#
 70 0.0 7.4 11.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 70.00 (69.70 to 70.70): VU0

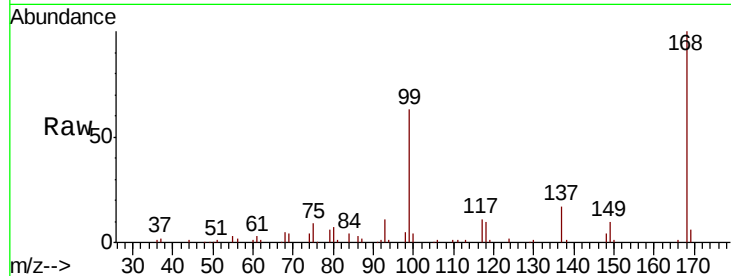




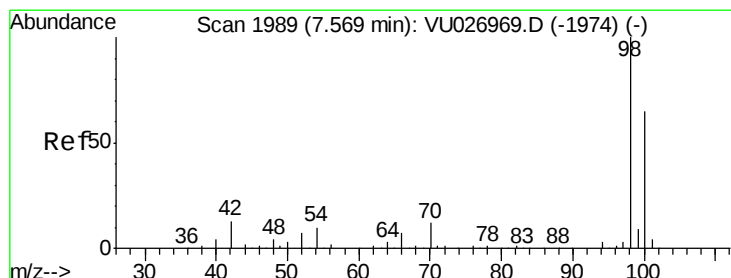
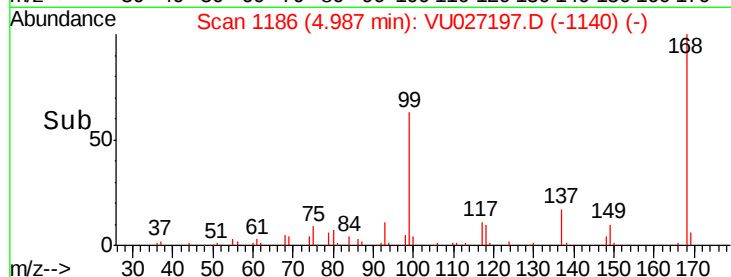
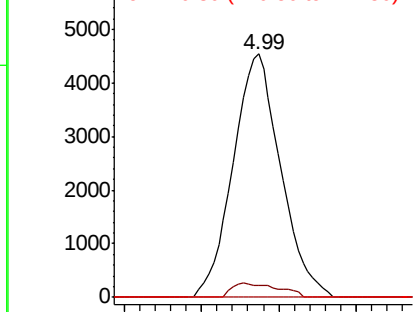
#38
Carbon Tetrachloride
Concen: 4.865 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027197.D
Acq: 26 Sep 2018 23:37

Instrument :
MSVOA_U
ClientSampleId :
MW-97-SEP18DL

Tgt Ion:117 Resp: 9705
Ion Ratio Lower Upper
117 100
119 4.8 74.4 111.6#
121 0.0 24.2 36.4#

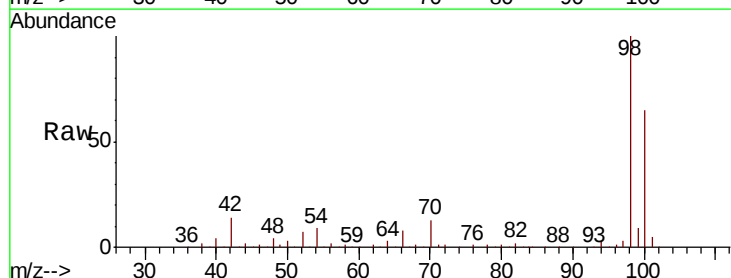


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

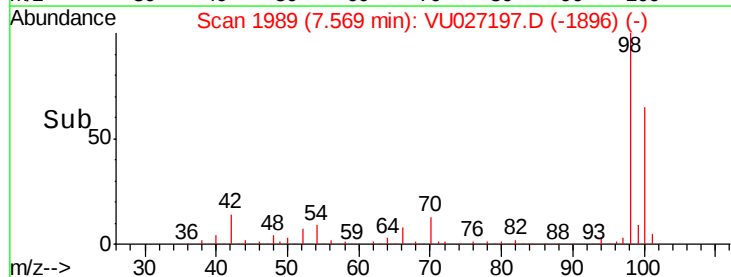
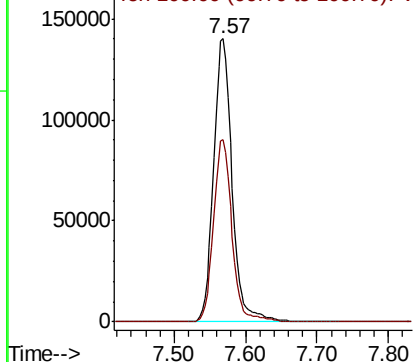


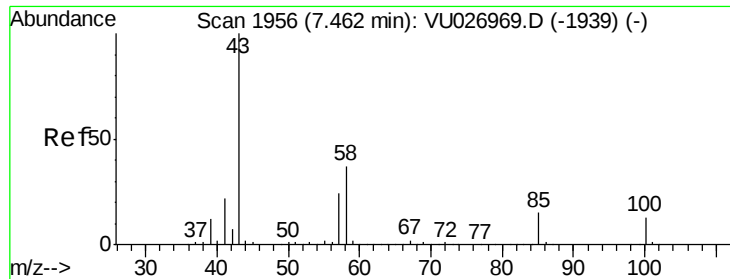
#50
Toluene-d8
Concen: 48.500 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027197.D
Acq: 26 Sep 2018 23:37

Tgt Ion: 98 Resp: 251654
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU

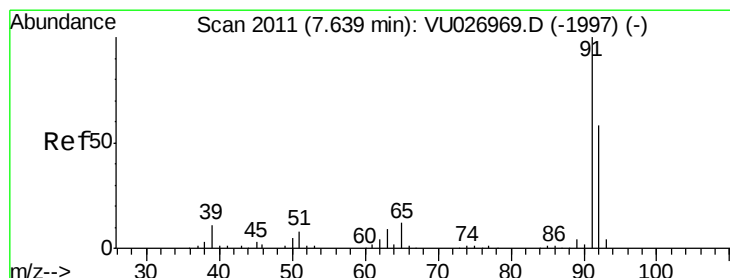
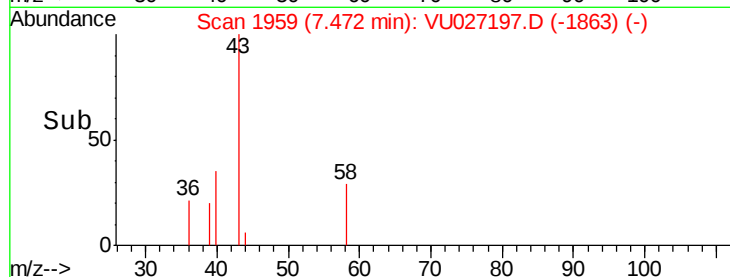
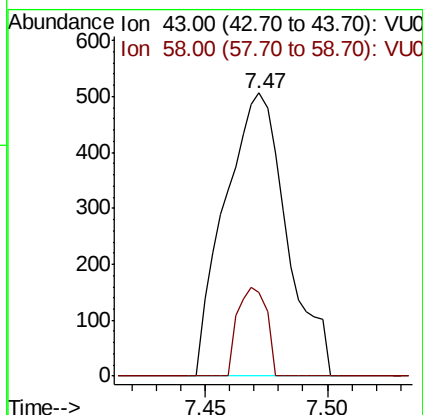
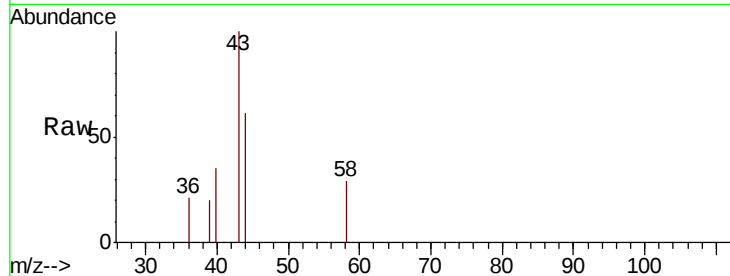




#51
 4-Methyl-2-Pentanone
 Concen: 0.319 ug/l
 RT: 7.47 min Scan# 1959
 Delta R.T. 0.01 min
 Lab File: VU027197.D
 Acq: 26 Sep 2018 23:37

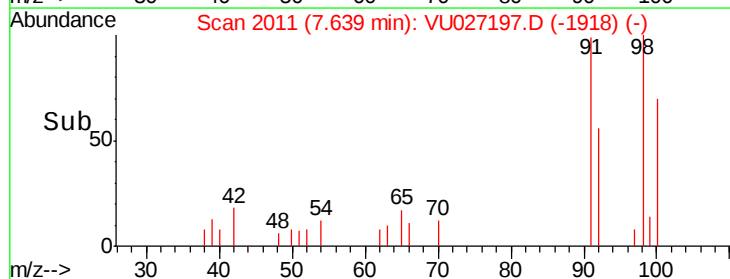
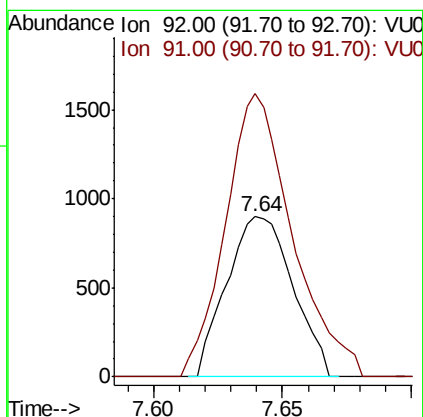
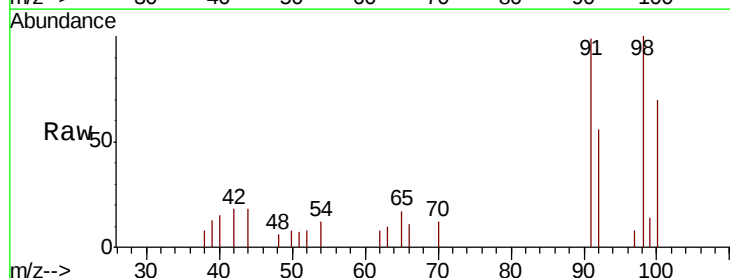
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-97-SEP18DL

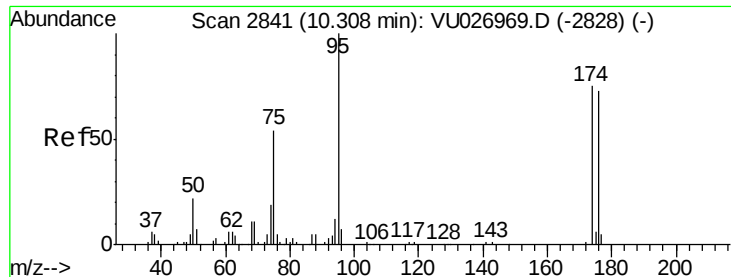
Tgt Ion: 43 Resp: 888
 Ion Ratio Lower Upper
 43 100
 58 14.5 29.8 44.6#



#52
 Toluene
 Concen: 0.440 ug/l
 RT: 7.64 min Scan# 2011
 Delta R.T. 0.00 min
 Lab File: VU027197.D
 Acq: 26 Sep 2018 23:37

Tgt Ion: 92 Resp: 1607
 Ion Ratio Lower Upper
 92 100
 91 179.0 136.4 204.6

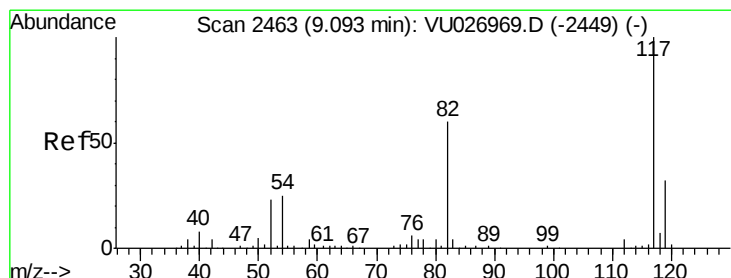
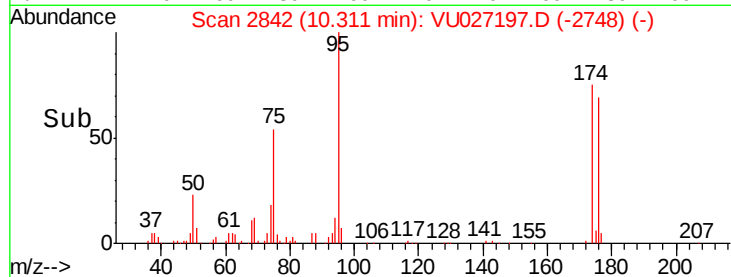
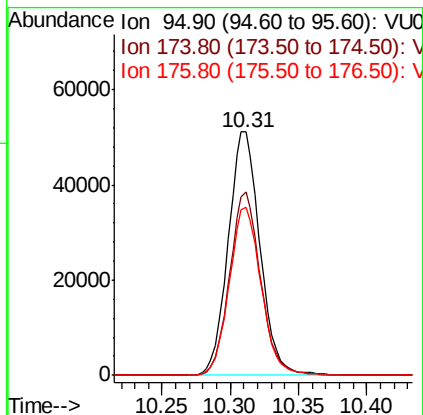
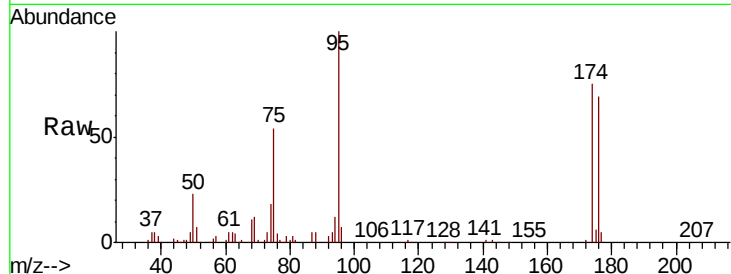




#62
4-Bromofluorobenzene
Concen: 46.482 ug/l
RT: 10.31 min Scan# 2842
Delta R.T. 0.00 min
Lab File: VU027197.D
Acq: 26 Sep 2018 23:37

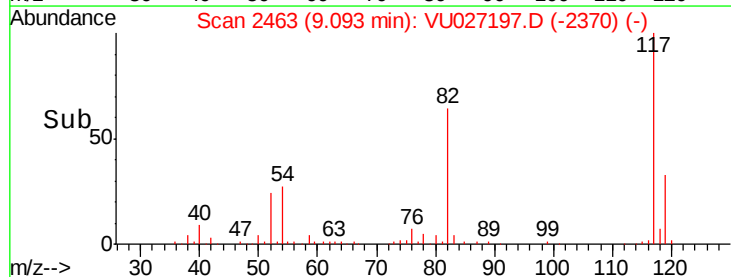
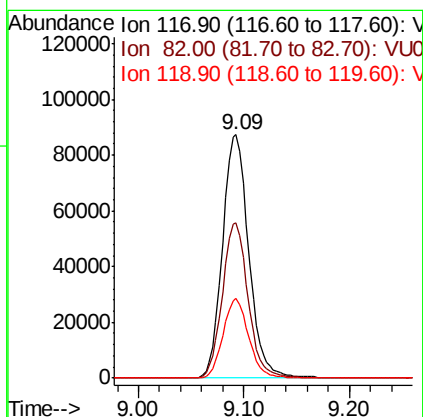
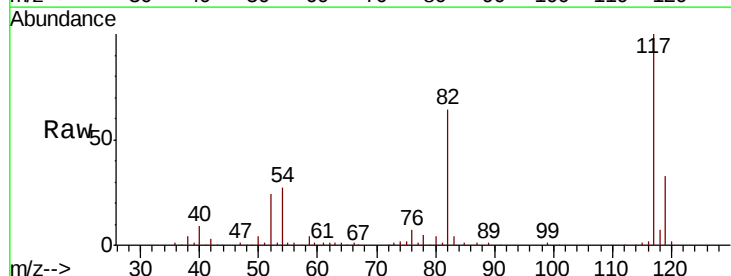
Instrument :
MSVOA_U
ClientSampleId :
MW-97-SEP18DL

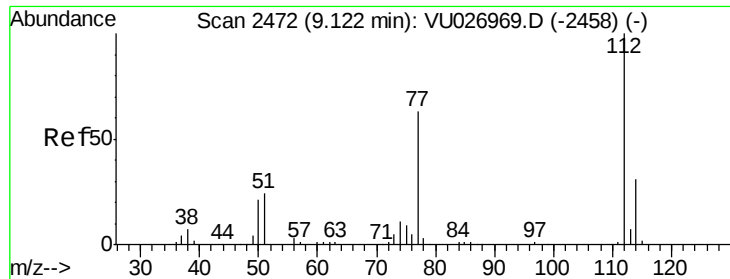
Tgt Ion: 95 Resp: 82758
Ion Ratio Lower Upper
95 100
174 73.8 0.0 150.2
176 69.3 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027197.D
Acq: 26 Sep 2018 23:37

Tgt Ion: 117 Resp: 150526
Ion Ratio Lower Upper
117 100
82 63.9 48.0 72.0
119 32.5 25.8 38.8

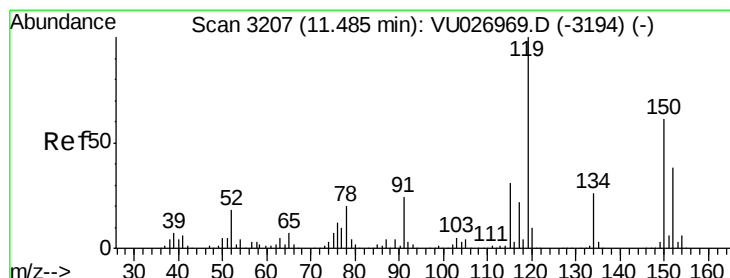
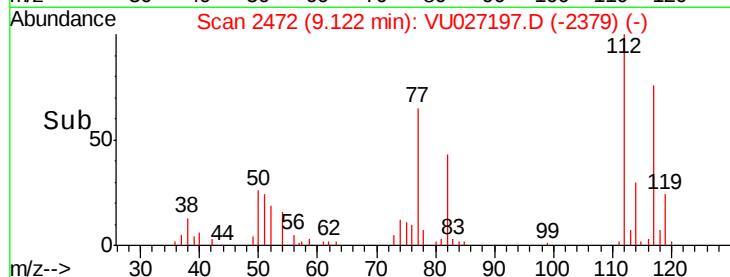
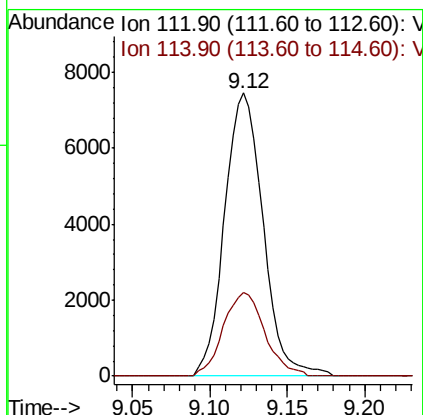
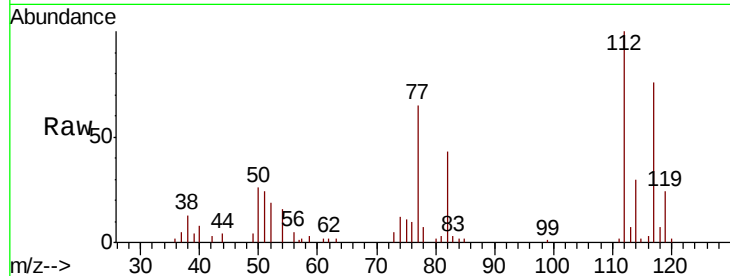




#65
Chlorobenzene
Concen: 3.223 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027197.D
Acq: 26 Sep 2018 23:37

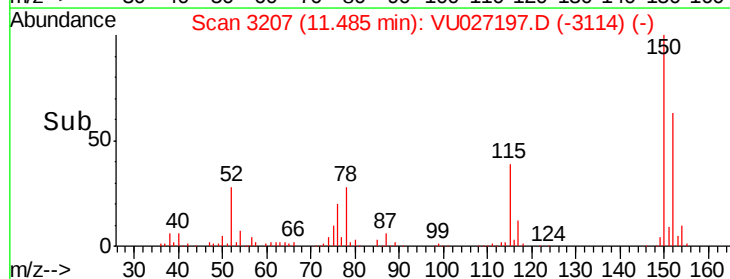
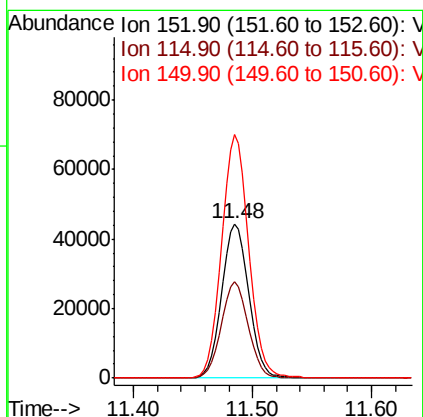
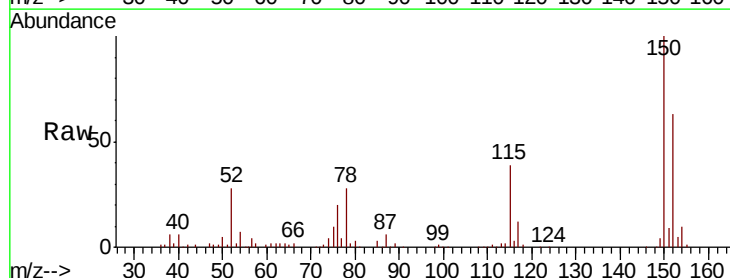
Instrument :
MSVOA_U
ClientSampleId :
MW-97-SEP18DL

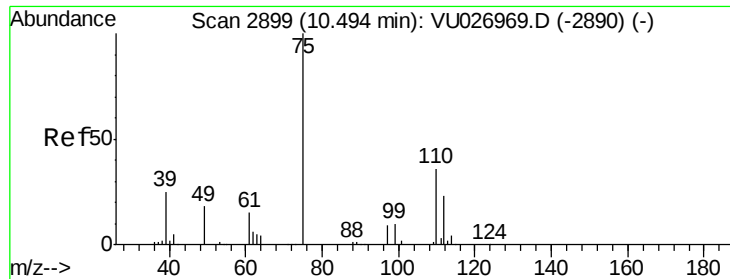
Tgt Ion:112 Resp: 12863
Ion Ratio Lower Upper
112 100
114 29.6 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027197.D
Acq: 26 Sep 2018 23:37

Tgt Ion:152 Resp: 70175
Ion Ratio Lower Upper
152 100
115 62.1 44.9 134.5
150 157.9 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 21.167 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027197.D

Acq: 26 Sep 2018 23:37

Instrument :

MSVOA_U

ClientSampleId :

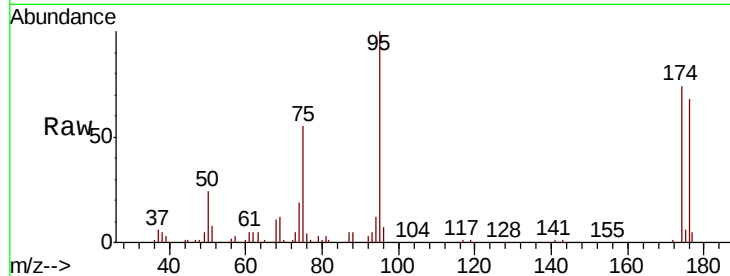
MW-97-SEP18DL

Tgt Ion: 75 Resp: 45126

Ion Ratio Lower Upper

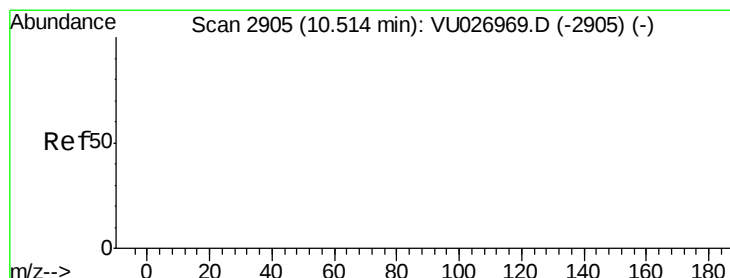
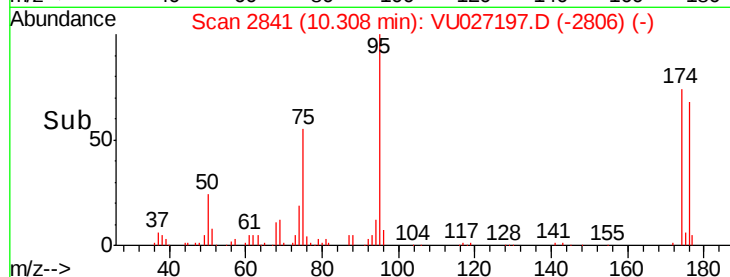
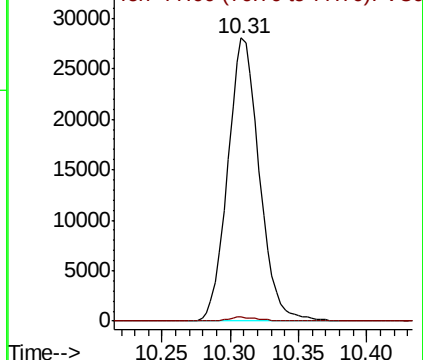
75 100

77 1.2 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: 67.738 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027197.D

Acq: 26 Sep 2018 23:37

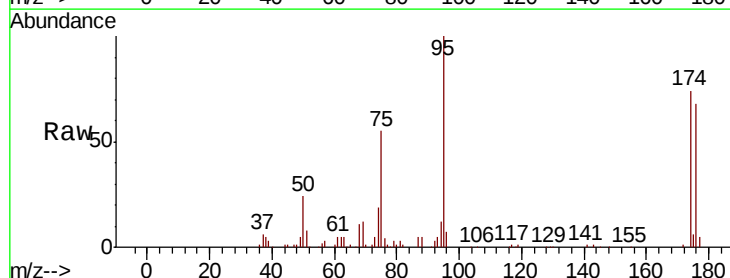
Tgt Ion: 75 Resp: 45126

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

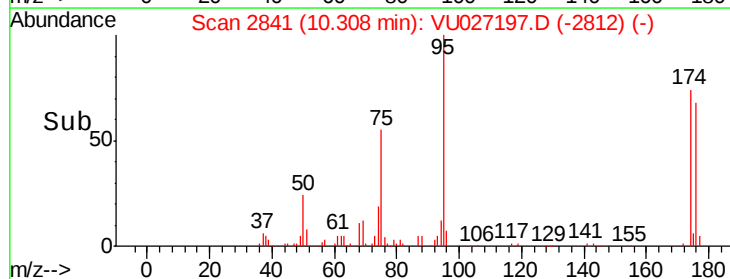
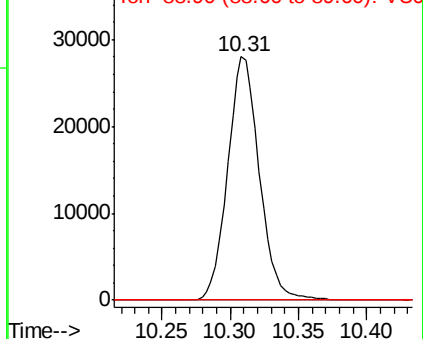
89 0.0 0.0 0.0

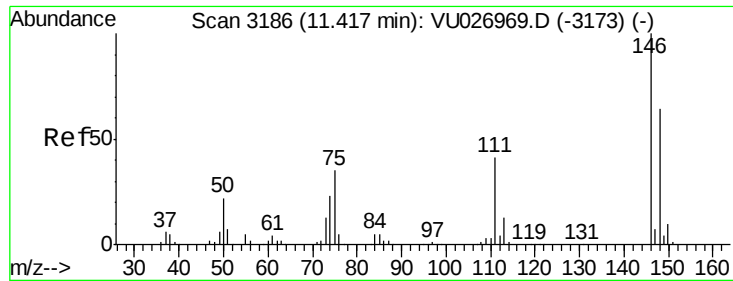


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

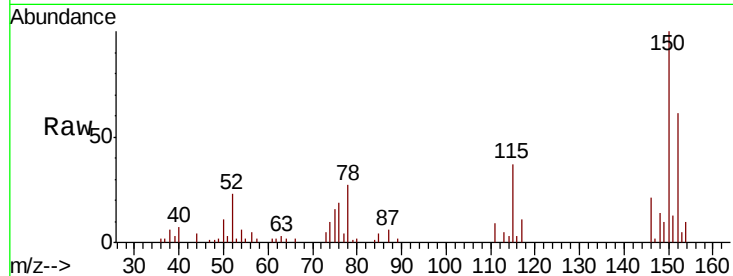




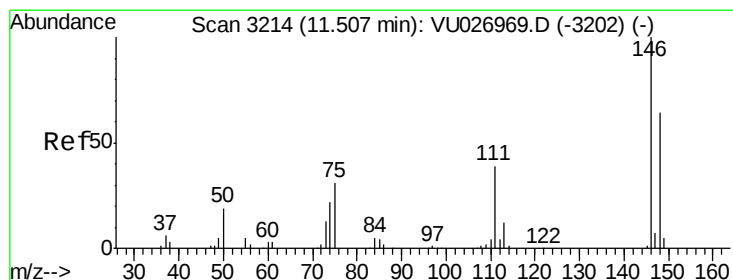
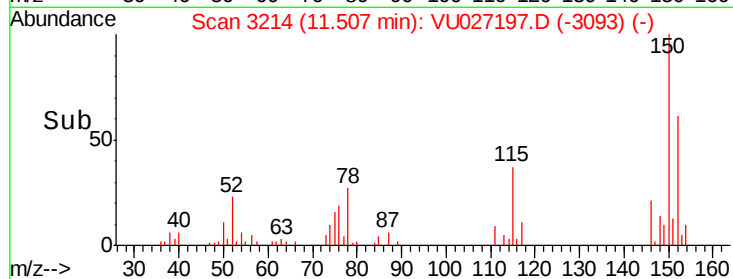
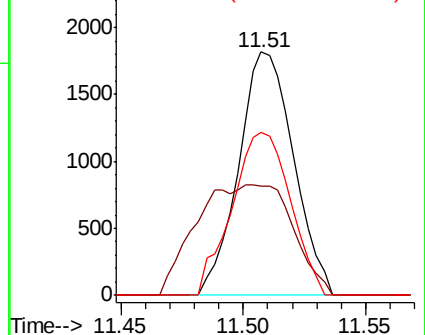
#87
 1,3-Dichlorobenzene
 Concen: 1.169 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.09 min
 Lab File: VU027197.D
 Acq: 26 Sep 2018 23:37

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-97-SEP18DL

Tgt Ion:146 Resp: 2837
 Ion Ratio Lower Upper
 146 100
 111 32.7 20.8 62.2
 148 71.1 32.0 96.2

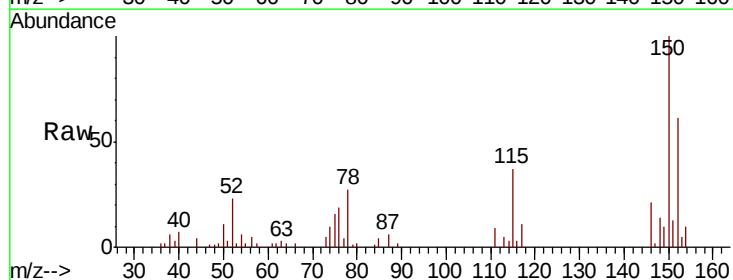


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

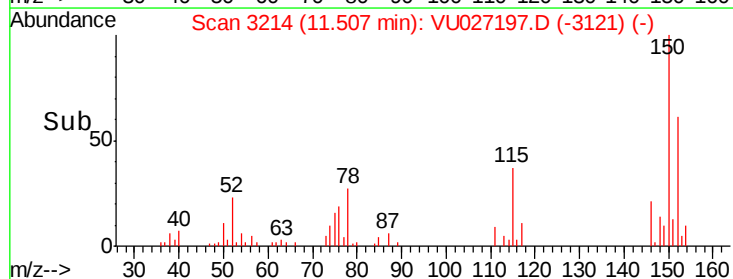
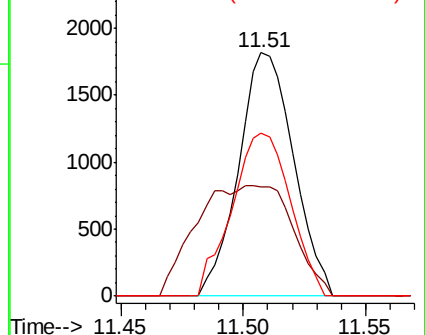


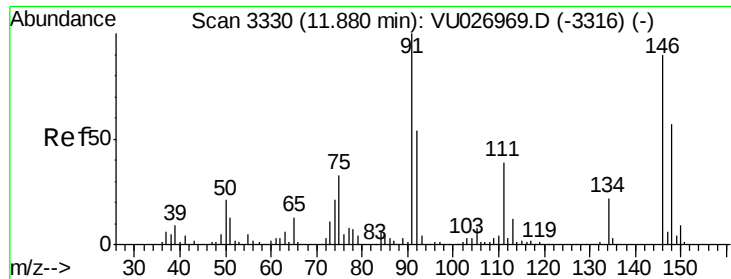
#88
 1,4-Dichlorobenzene
 Concen: 1.072 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027197.D
 Acq: 26 Sep 2018 23:37

Tgt Ion:146 Resp: 2837
 Ion Ratio Lower Upper
 146 100
 111 32.7 20.3 60.9
 148 71.1 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#91

1,2-Dichlorobenzene

Concen: 0.833 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.01 min

Lab File: VU027197.D

Acq: 26 Sep 2018 23:37

Instrument :

MSVOA_U

ClientSampleId :

MW-97-SEP18DL

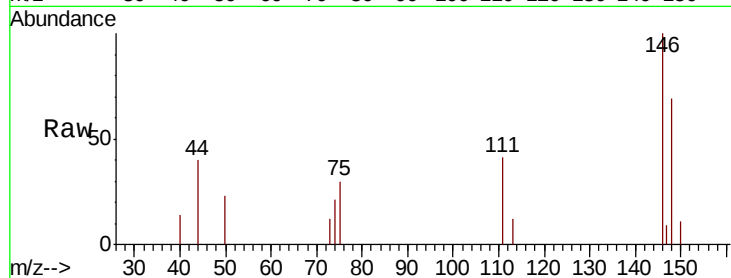
Tgt Ion:146 Resp: 2147

Ion Ratio Lower Upper

146 100

111 40.1 21.8 65.3

148 60.0 31.9 95.7



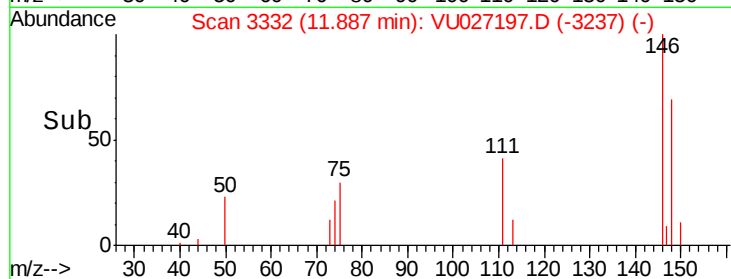
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

11.89

11.85 11.90



Time-->