

Data File : VU027054.D
Acq On : 23 Sep 2018 06:53
Operator : MD/SY
Sample : J4963-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 96 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ163I-20180914

Quant Time: Sep 24 05:48:36 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	91117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	156796	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	148264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	68818	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	95572	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
35) Dibromofluoromethane	4.88	113	66289	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
50) Toluene-d8	7.57	98	249873	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
62) 4-Bromofluorobenzene	10.31	95	79779	44.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.78%	

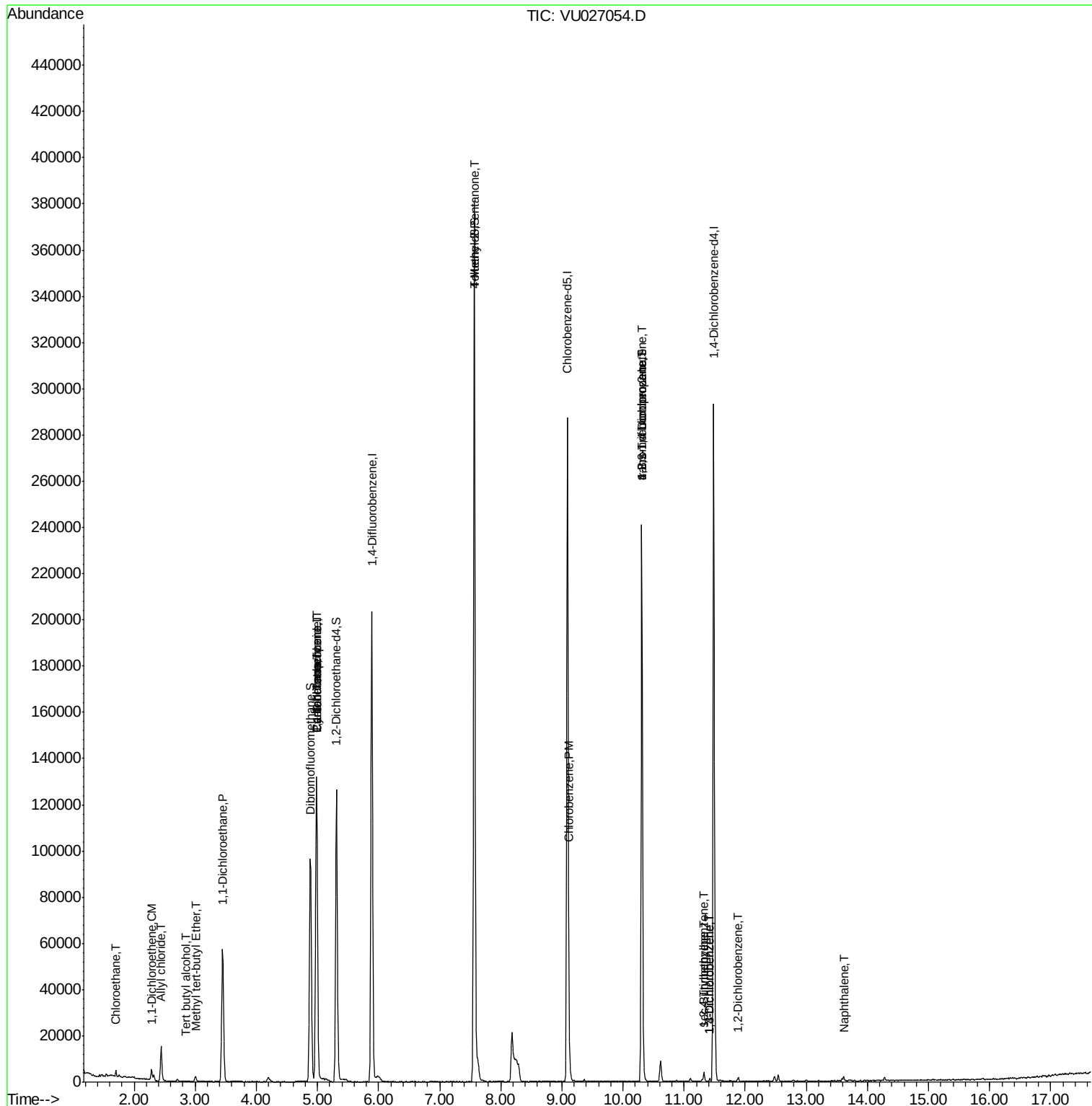
Target Compounds						Qvalue
6) Chloroethane	1.70	64	2122	1.735	ug/l	91
11) Tert butyl alcohol	2.84	59	108	0.257	ug/l #	72
12) 1,1-Dichloroethene	2.29	96	1169	0.929	ug/l #	71
14) Allyl chloride	2.44	41	1593	0.624	ug/l #	76
16) Acetone	2.32	43	2826	Below	Cal	92
19) Methyl tert-butyl Ether	3.00	73	2365	0.511	ug/l	100
24) 1,1-Dichloroethane	3.45	63	63398	21.084	ug/l	99
31) Cyclohexane	4.98	56	2387	0.302	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	8926	4.265	ug/l #	49
38) Carbon Tetrachloride	4.99	117	9672	4.857	ug/l #	19
51) 4-Methyl-2-Pentanone	7.57	43	1296	0.466	ug/l #	1
65) Chlorobenzene	9.12	112	2490	0.633	ug/l	95
76) 1,2,3-Trichloropropane	10.31	75	43253	20.689	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	43253	66.207	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.32	105	2980	0.678	ug/l #	31
85) sec-Butylbenzene	11.32	105	2980	0.571	ug/l	97
87) 1,3-Dichlorobenzene	11.42	146	628	0.264	ug/l	88
88) 1,4-Dichlorobenzene	11.42	146	628	0.242	ug/l	88
91) 1,2-Dichlorobenzene	11.88	146	895	0.354	ug/l	89
95) Naphthalene	13.60	128	66	1.700	ug/l #	1

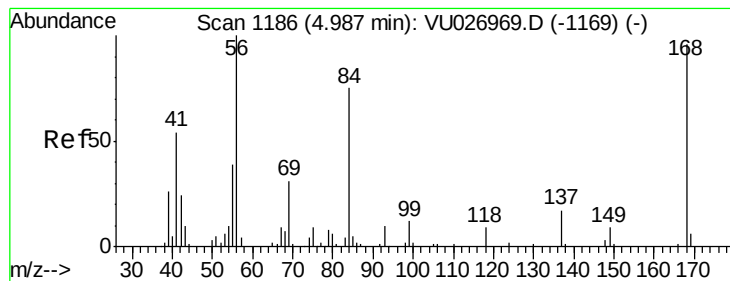
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027054.D

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Instrument :

MSVOA_U

ClientSampleId :

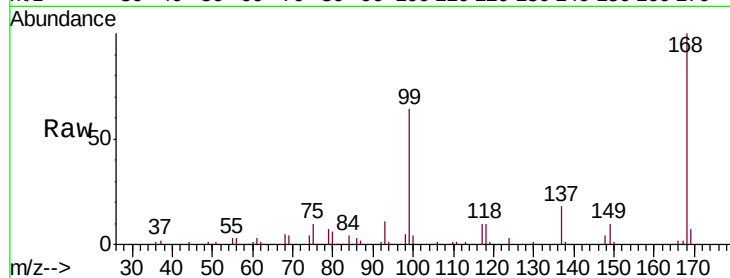
SA-PZ163I-20180914

Tgt Ion:168 Resp: 91117

Ion Ratio Lower Upper

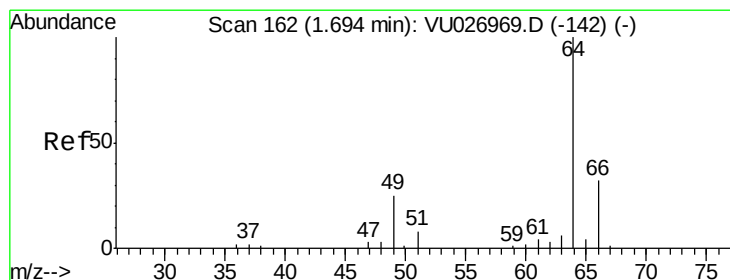
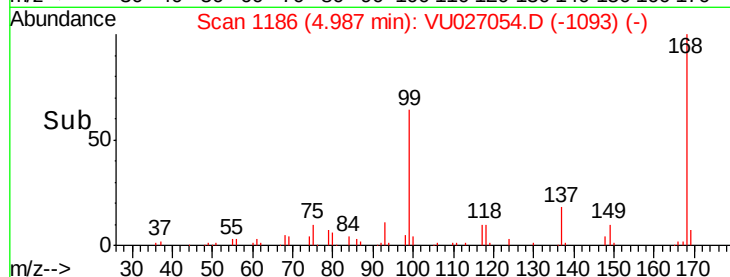
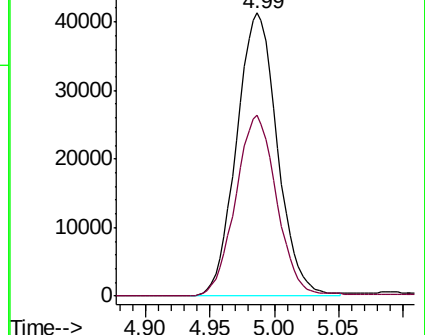
168 100

99 63.8 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: 1.735 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU027054.D

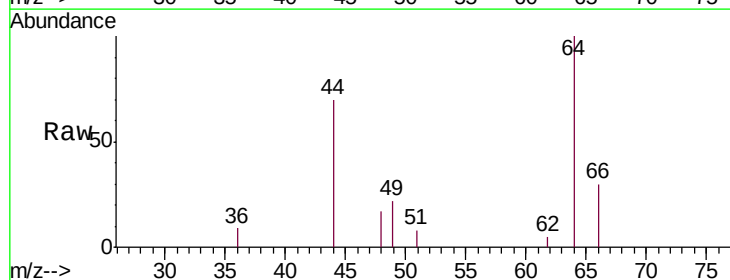
Acq: 23 Sep 2018 06:53

Tgt Ion: 64 Resp: 2122

Ion Ratio Lower Upper

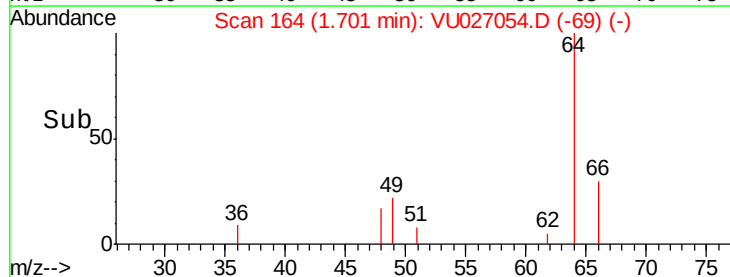
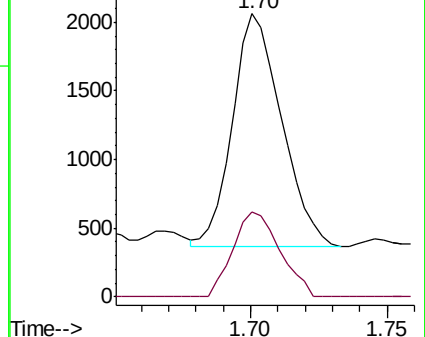
64 100

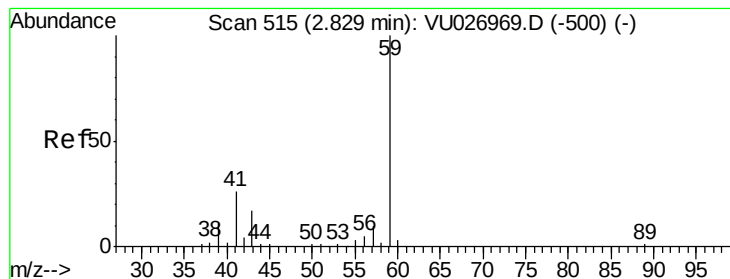
66 36.4 25.3 37.9



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

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



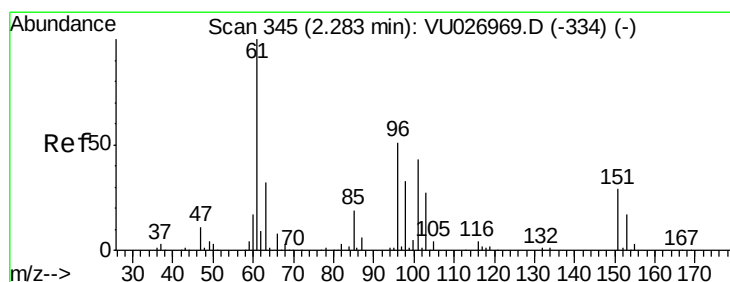
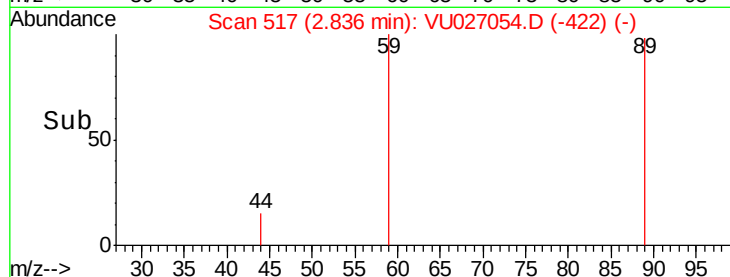
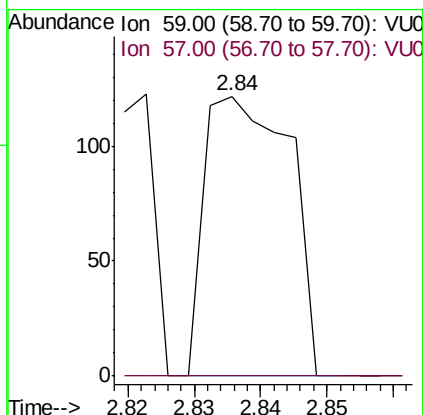
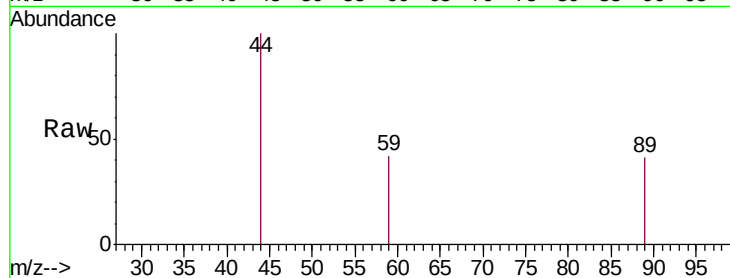


#11

Tert butyl alcohol
 Concen: 0.257 ug/l
 RT: 2.84 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: VU027054.D
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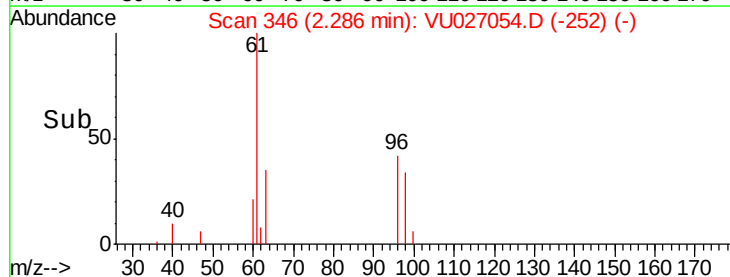
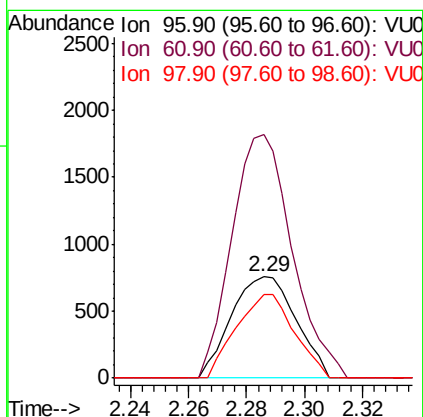
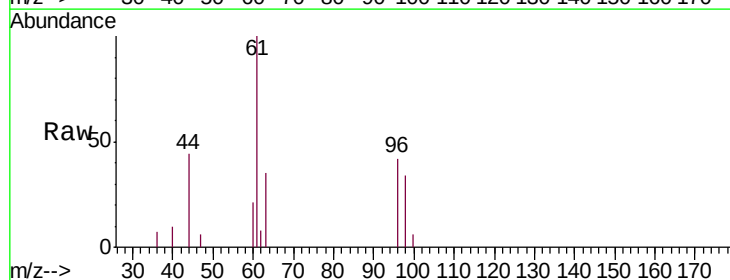
Tgt Ion: 59 Resp: 108
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

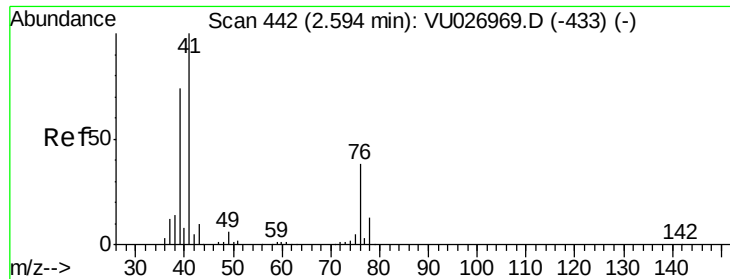


#12

1,1-Dichloroethene
 Concen: 0.929 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU027054.D
 Acq: 23 Sep 2018 06:53

Tgt Ion: 96 Resp: 1169
 Ion Ratio Lower Upper
 96 100
 61 240.6 156.1 234.1#
 98 82.3 51.4 77.0#

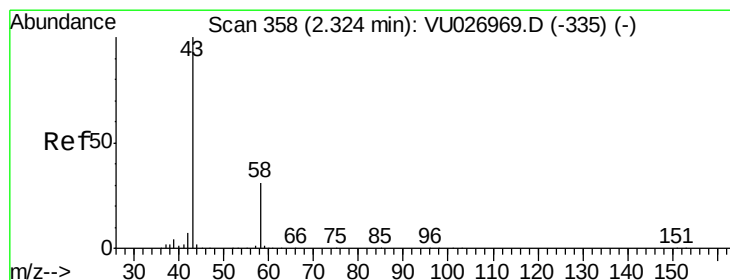
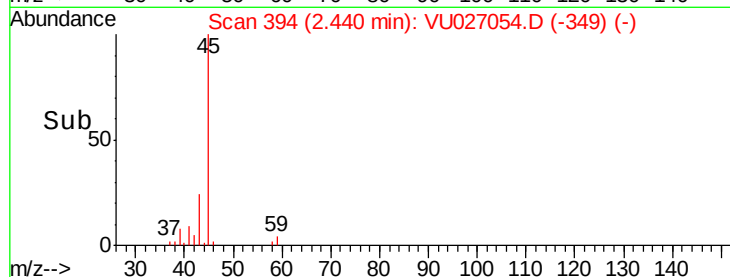
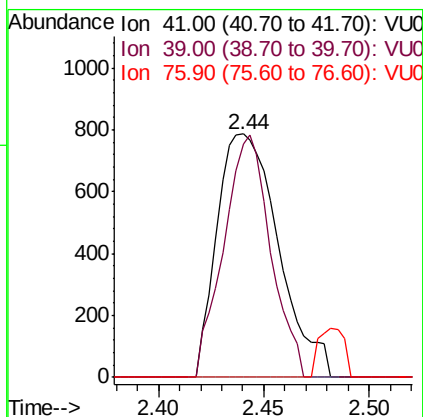
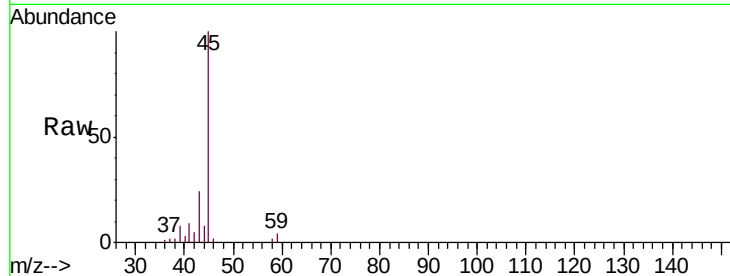




#14
 Allyl chloride
 Concen: 0.624 ug/l
 RT: 2.44 min Scan# 394
 Delta R.T. -0.15 min
 Lab File: VU027054.D
 Acq: 23 Sep 2018 06:53

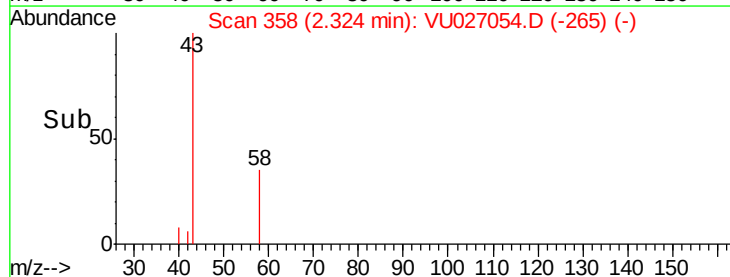
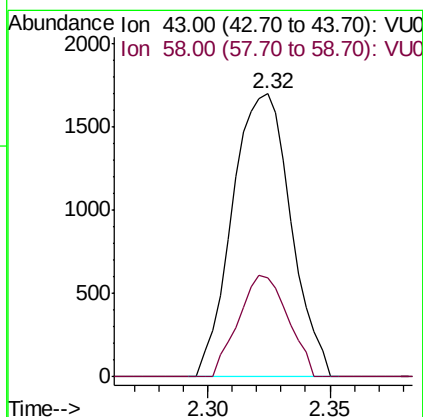
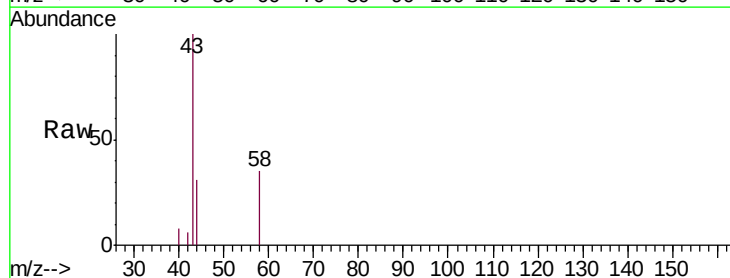
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ163I-20180914

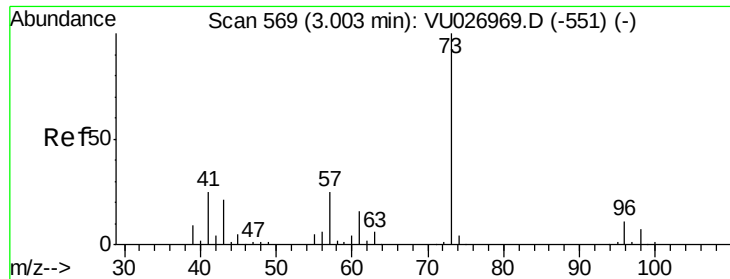
Tgt Ion: 41 Resp: 1593
 Ion Ratio Lower Upper
 41 100
 39 75.9 55.7 83.5
 76 0.0 26.5 39.7#



#16
 Acetone
 Concen: Below Cal
 RT: 2.32 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VU027054.D
 Acq: 23 Sep 2018 06:53

Tgt Ion: 43 Resp: 2826
 Ion Ratio Lower Upper
 43 100
 58 35.1 24.6 36.8

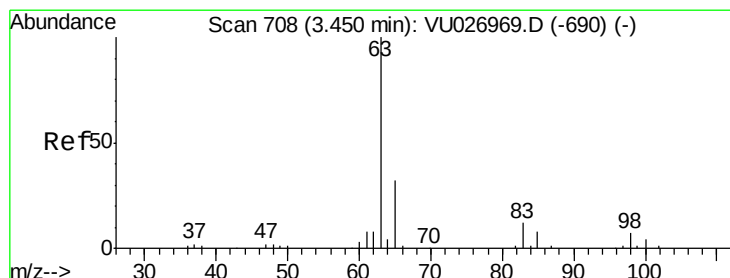
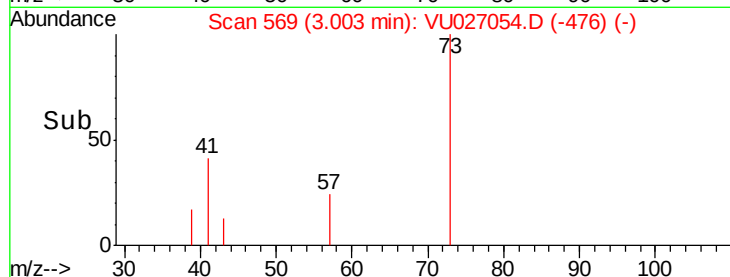
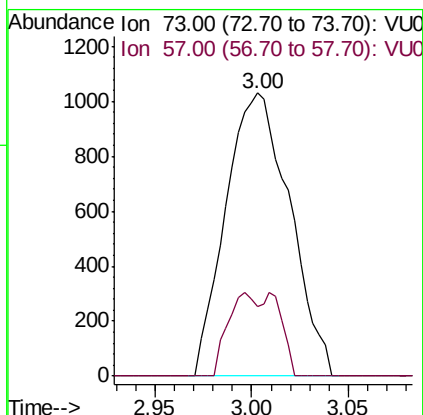
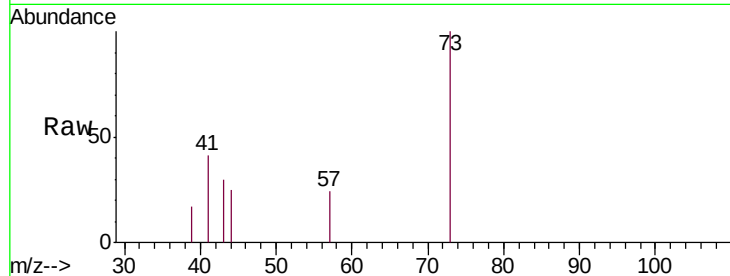




#19
Methyl tert-butyl Ether
Concen: 0.511 ug/l
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU027054.D
Acq: 23 Sep 2018 06:53

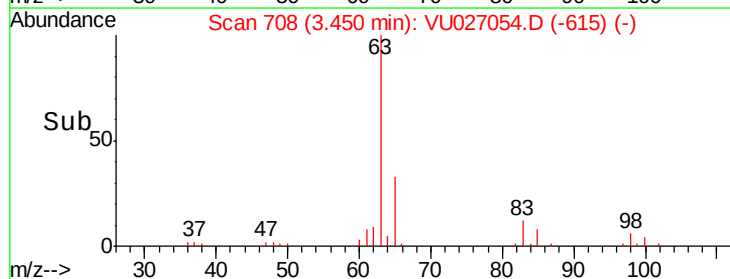
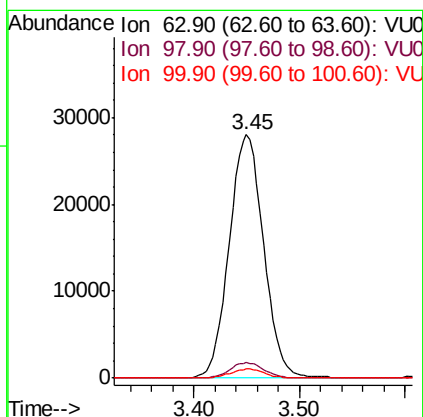
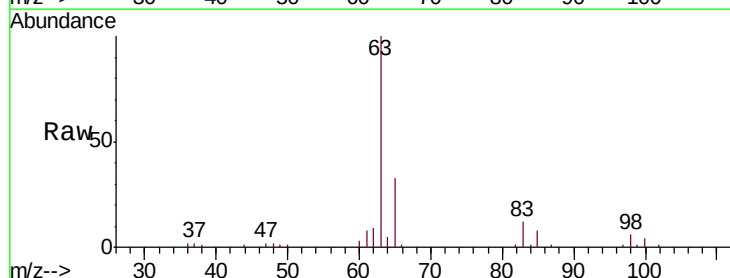
Instrument :
MSVOA_U
ClientSampleId :
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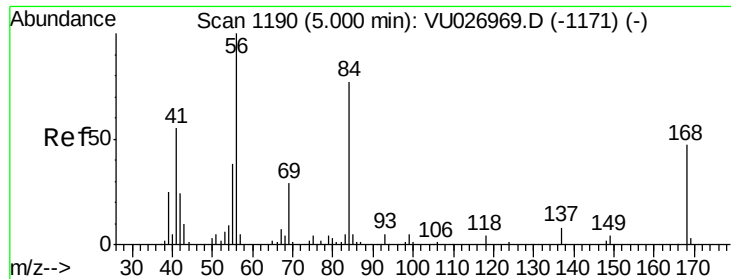
Tgt Ion: 73 Resp: 2365
Ion Ratio Lower Upper
73 100
57 24.5 19.8 29.6



#24
1,1-Dichloroethane
Concen: 21.084 ug/l
RT: 3.45 min Scan# 708
Delta R.T. -0.00 min
Lab File: VU027054.D
Acq: 23 Sep 2018 06:53

Tgt Ion: 63 Resp: 63398
Ion Ratio Lower Upper
63 100
98 6.2 3.3 9.8
100 3.7 2.0 5.8

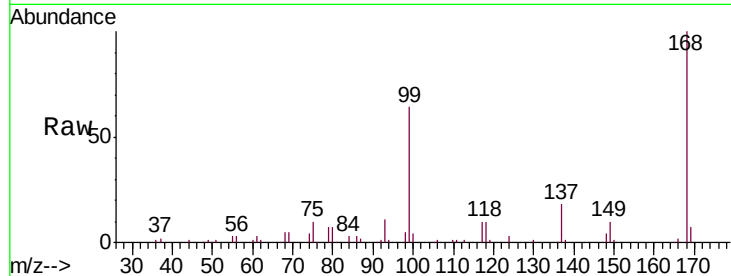




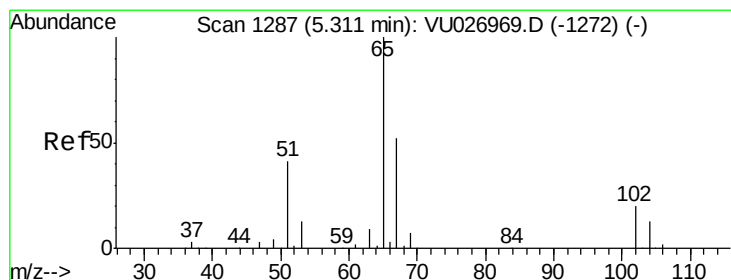
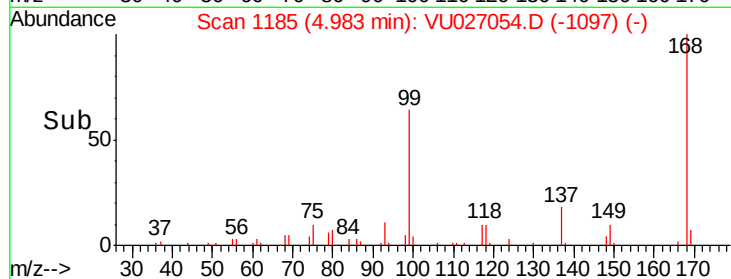
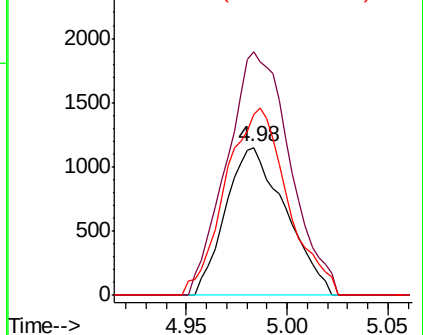
#31
Cyclohexane
Concen: 0.302 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU027054.D
Acq: 23 Sep 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion: 56 Resp: 2387
Ion Ratio Lower Upper
56 100
69 164.9 23.0 34.4#
84 122.5 61.4 92.2#

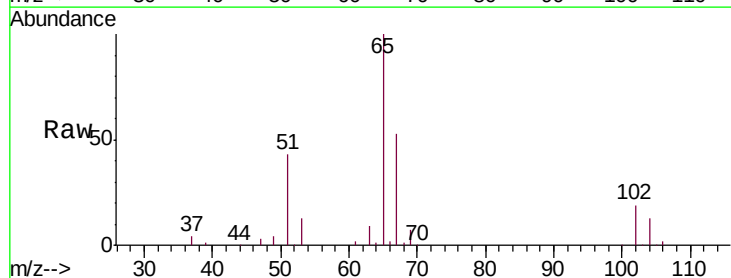


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

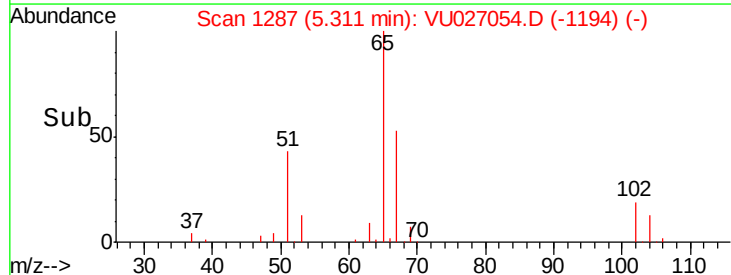
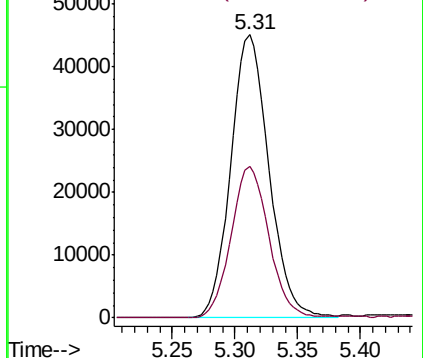


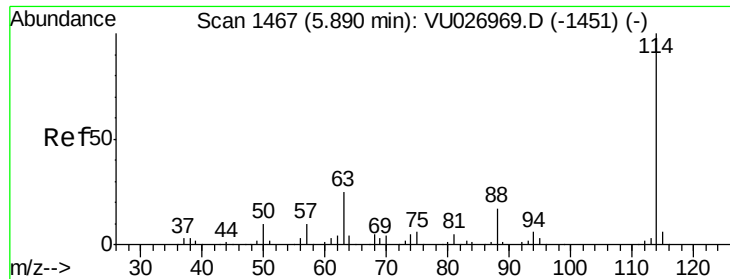
#33
1,2-Dichloroethane-d4
Concen: 52.115 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VU027054.D
Acq: 23 Sep 2018 06:53

Tgt Ion: 65 Resp: 95572
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.6



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

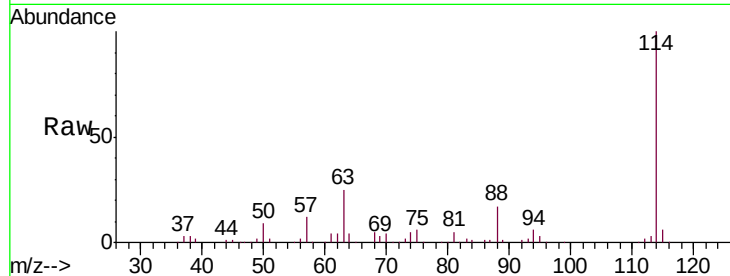




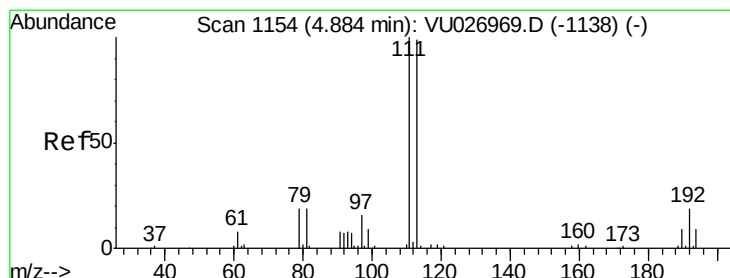
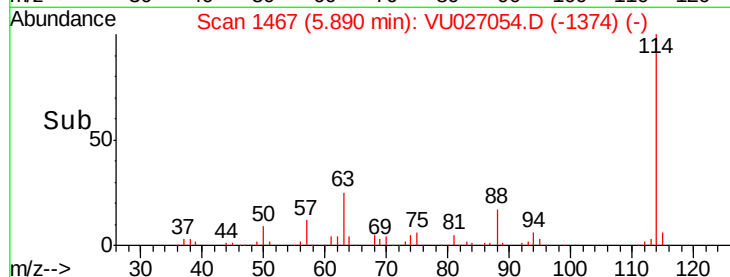
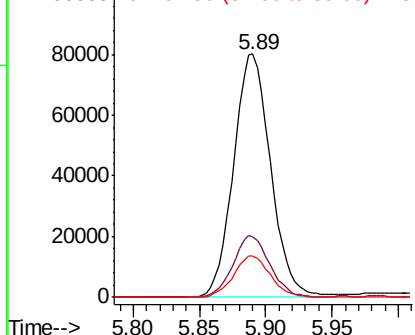
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: VU027054.D
 Acq: 23 Sep 2018 06:53

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Tgt Ion:114 Resp: 156796
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 49.2
 88 17.1 0.0 33.8

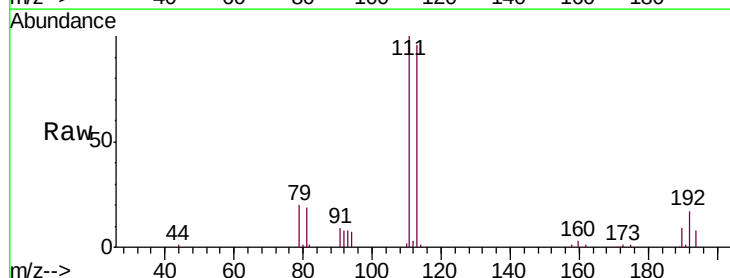


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

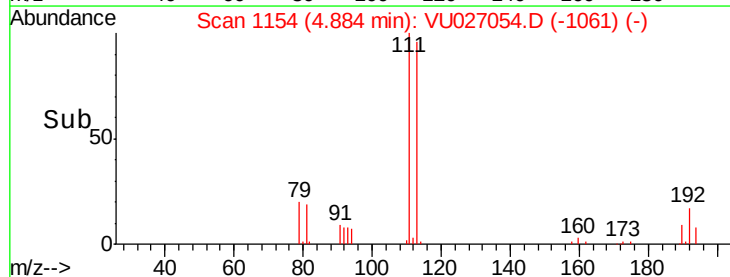
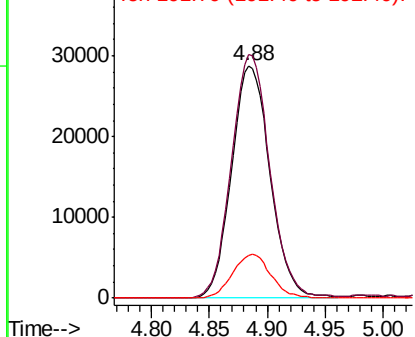


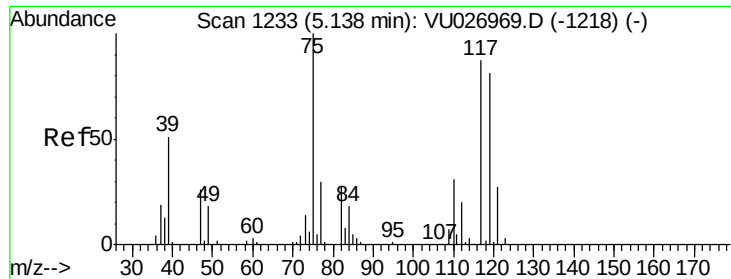
#35
 Dibromofluoromethane
 Concen: 48.774 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027054.D
 Acq: 23 Sep 2018 06:53

Tgt Ion:113 Resp: 66289
 Ion Ratio Lower Upper
 113 100
 111 105.0 82.2 123.4
 192 18.7 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

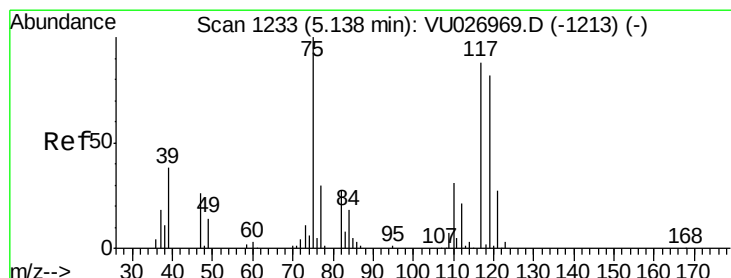
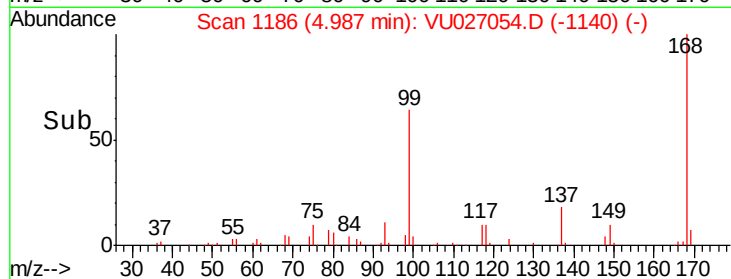
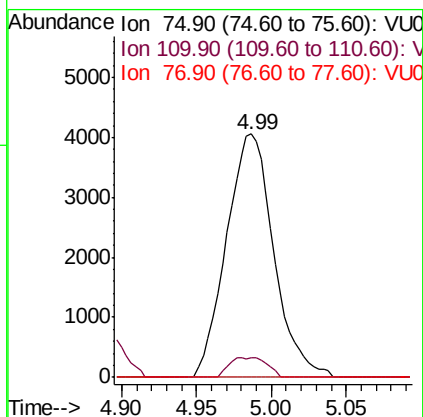
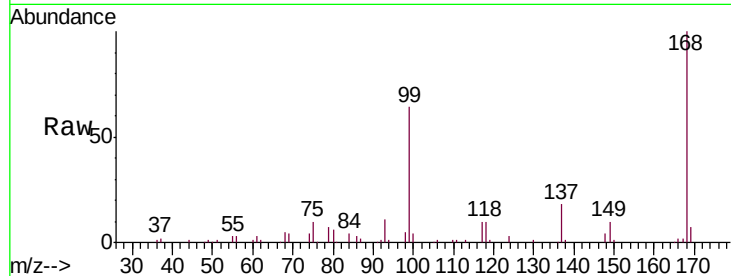




#36
 1,1-Dichloropropene
 Concen: 4.265 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
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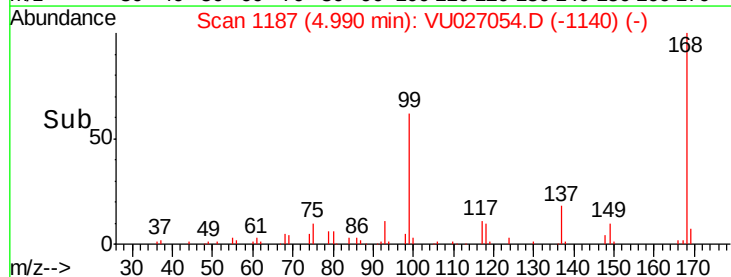
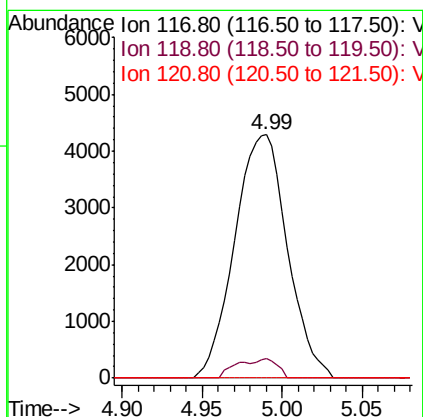
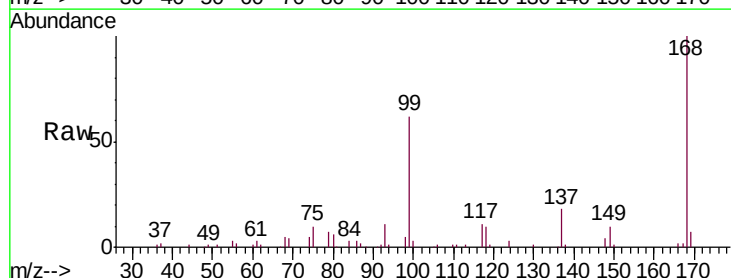
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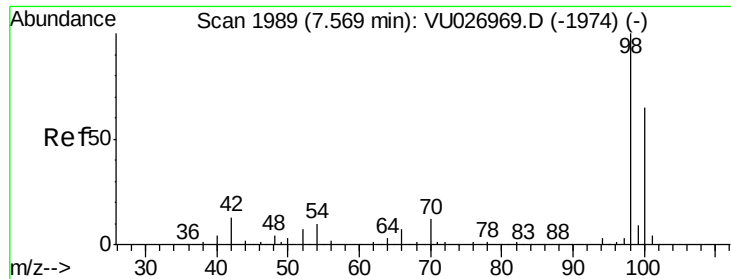
Tgt Ion: 75 Resp: 8926
 Ion Ratio Lower Upper
 75 100
 110 6.5 16.1 48.2#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 4.857 ug/l
 RT: 4.99 min Scan# 1187
 Delta R.T. -0.15 min
 Lab File: VU027054.D
 Acq: 23 Sep 2018 06:53

Tgt Ion: 117 Resp: 9672
 Ion Ratio Lower Upper
 117 100
 119 7.9 74.4 111.6#
 121 0.0 24.2 36.4#

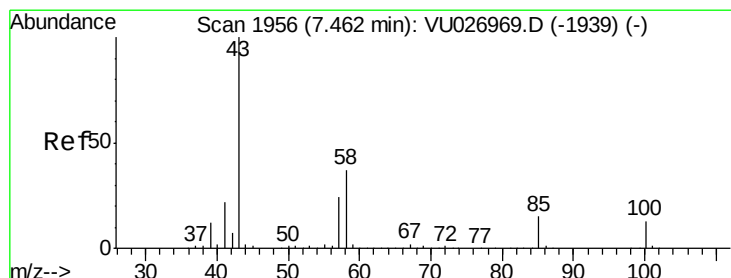
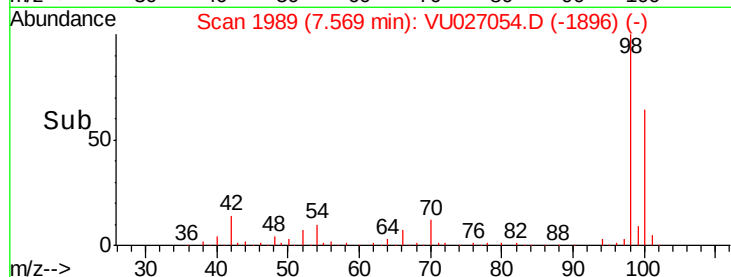
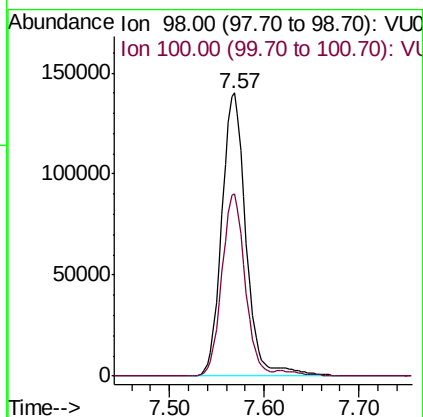
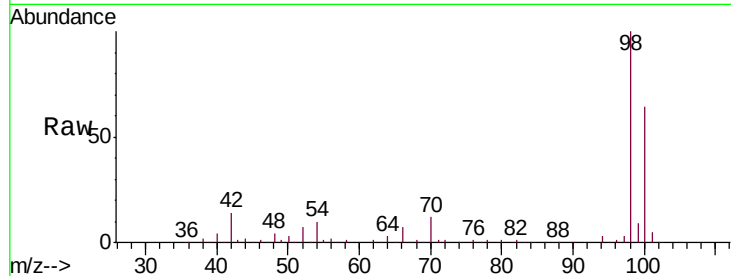




#50
Toluene-d8
Concen: 48.242 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. -0.00 min
Lab File: VU027054.D
Acq: 23 Sep 2018 06:53

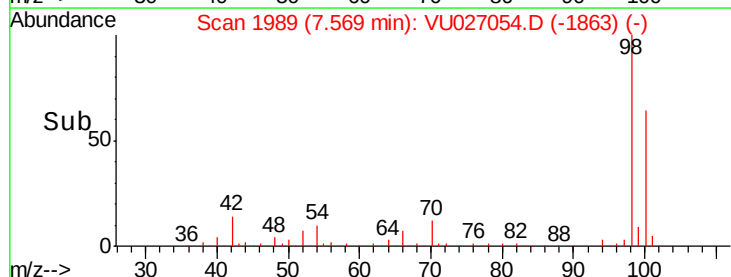
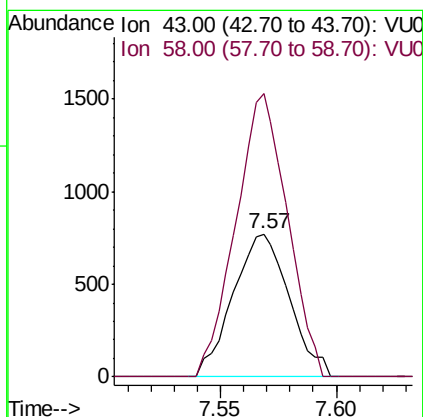
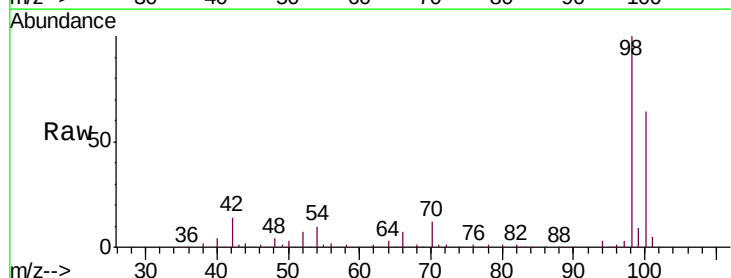
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ163I-20180914

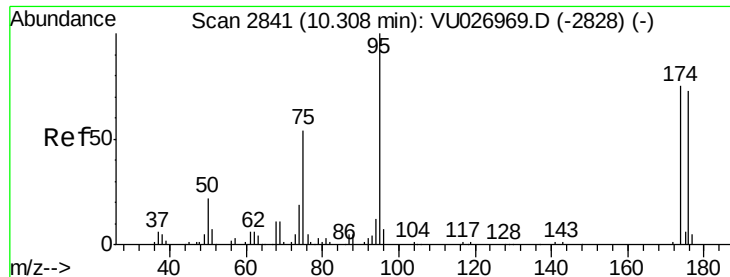
Tgt Ion: 98 Resp: 249873
Ion Ratio Lower Upper
98 100
100 61.5 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.466 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.11 min
Lab File: VU027054.D
Acq: 23 Sep 2018 06:53

Tgt Ion: 43 Resp: 1296
Ion Ratio Lower Upper
43 100
58 182.6 29.8 44.6#





#62

4-Bromofluorobenzene

Concen: 44.888 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027054.D

Acq: 23 Sep 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ163I-20180914

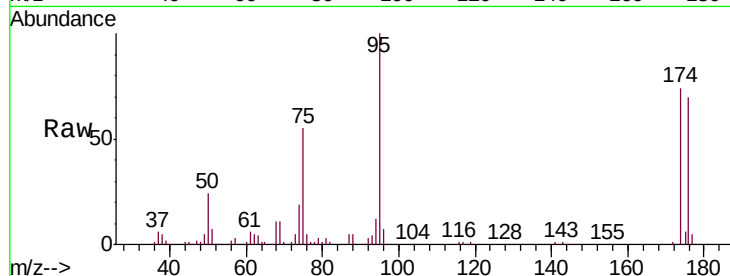
Tgt Ion: 95 Resp: 79779

Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.2

176 70.2 0.0 145.2

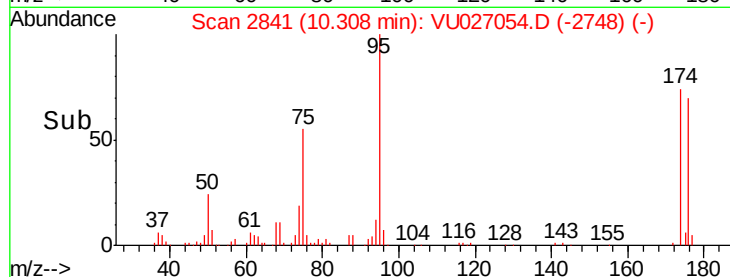


Abundance Ion 94.90 (94.60 to 95.60): VU026969.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU026969.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU026969.D (-2828) (-)

Time-->

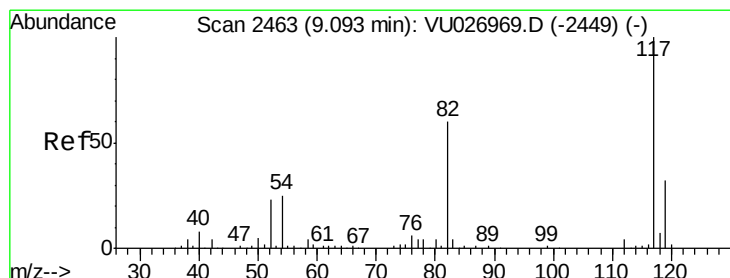


Abundance Ion 94.90 (94.60 to 95.60): VU027054.D (-2748) (-)

Ion 173.80 (173.50 to 174.50): VU027054.D (-2748) (-)

Ion 175.80 (175.50 to 176.50): VU027054.D (-2748) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU027054.D

Acq: 23 Sep 2018 06:53

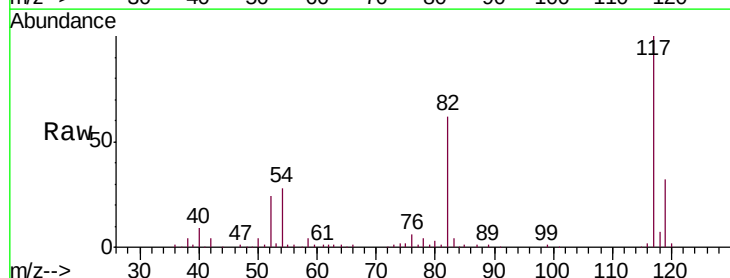
Tgt Ion: 117 Resp: 148264

Ion Ratio Lower Upper

117 100

82 62.3 48.0 72.0

119 31.9 25.8 38.8

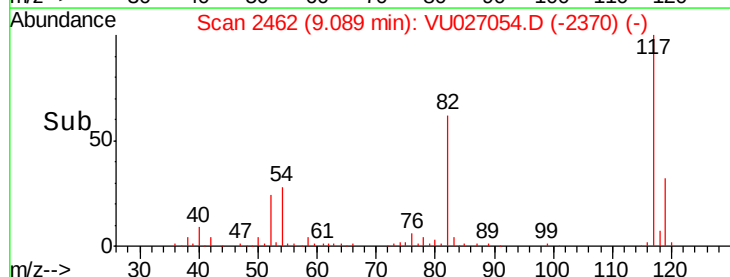


Abundance Ion 116.90 (116.60 to 117.60): VU026969.D (-2449) (-)

Ion 82.00 (81.70 to 82.70): VU026969.D (-2449) (-)

Ion 118.90 (118.60 to 119.60): VU026969.D (-2449) (-)

Time-->

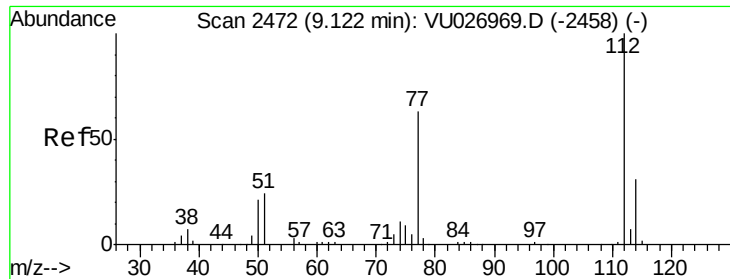


Abundance Ion 116.90 (116.60 to 117.60): VU027054.D (-2370) (-)

Ion 82.00 (81.70 to 82.70): VU027054.D (-2370) (-)

Ion 118.90 (118.60 to 119.60): VU027054.D (-2370) (-)

Time-->



#65

Chlorobenzene

Concen: 0.633 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU027054.D

Acq: 23 Sep 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

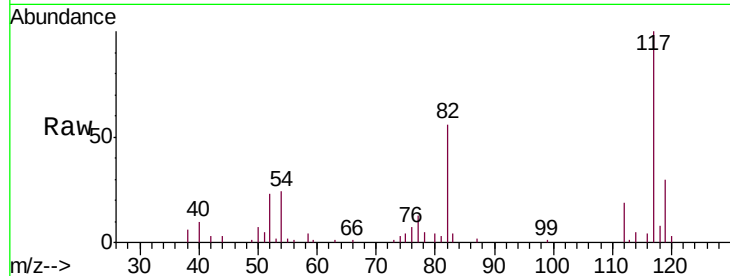
SA-PZ163I-20180914

Tgt Ion:112 Resp: 2490

Ion Ratio Lower Upper

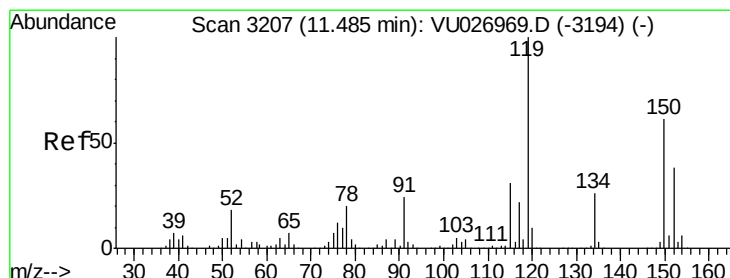
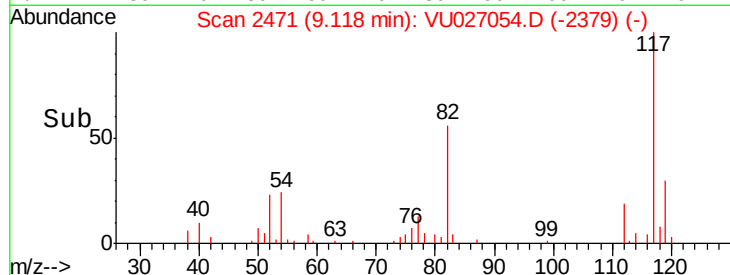
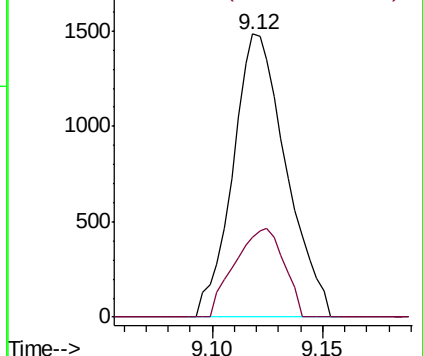
112 100

114 28.4 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): 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: VU027054.D

Acq: 23 Sep 2018 06:53

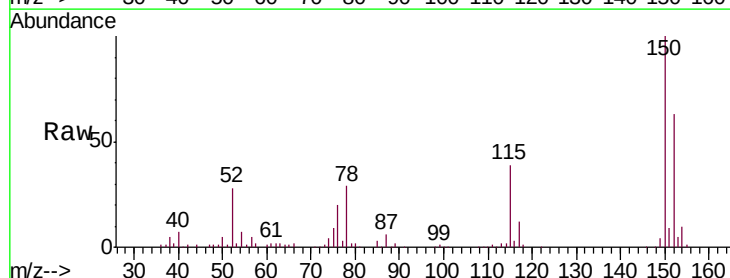
Tgt Ion:152 Resp: 68818

Ion Ratio Lower Upper

152 100

115 62.0 44.9 134.5

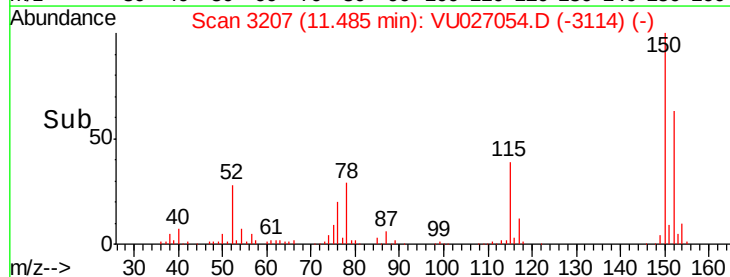
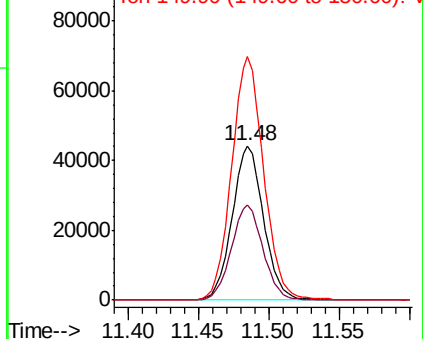
150 161.5 0.0 355.8

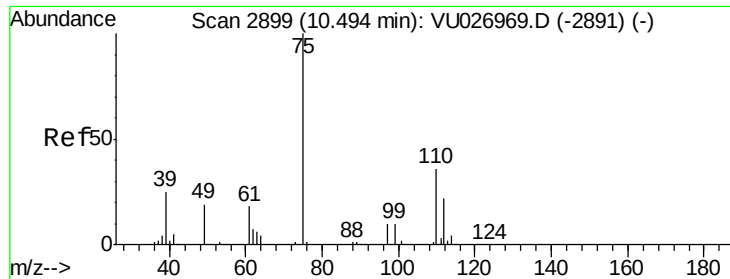


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

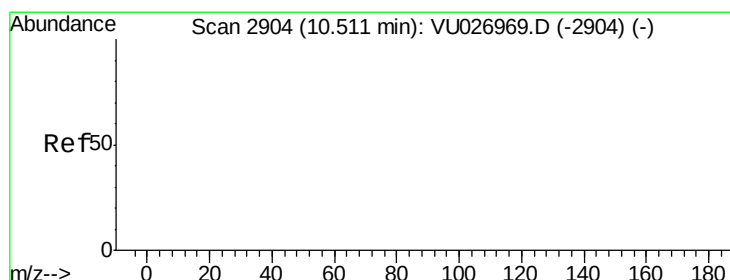
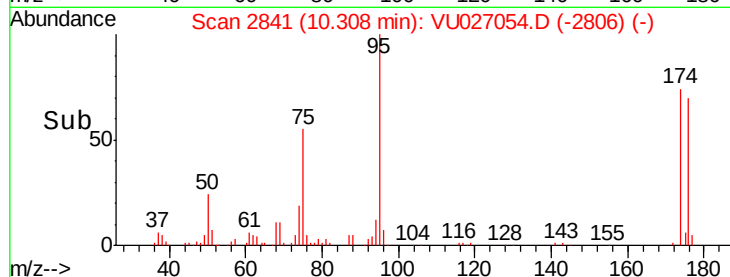
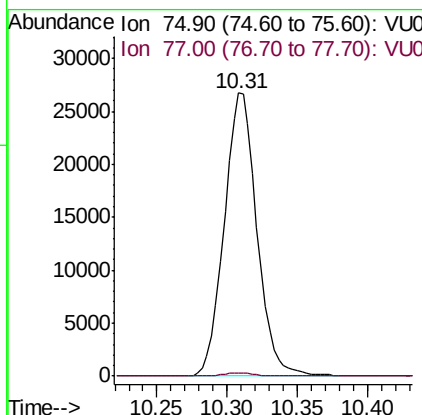
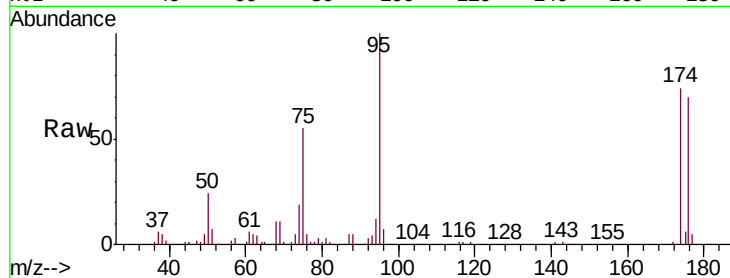




#76
 1,2,3-Trichloropropane
 Concen: 20.689 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027054.D
 Acq: 23 Sep 2018 06:53

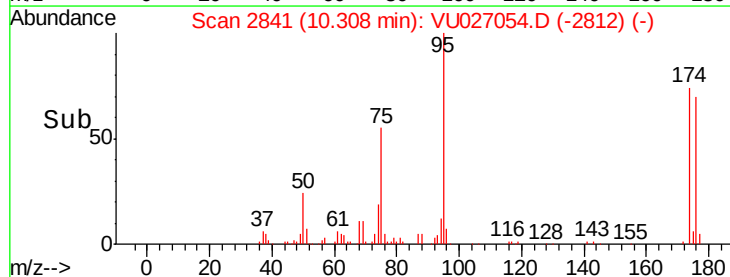
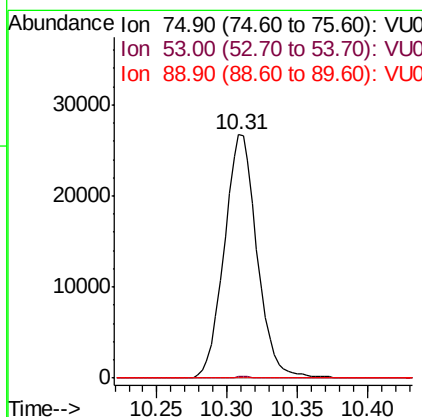
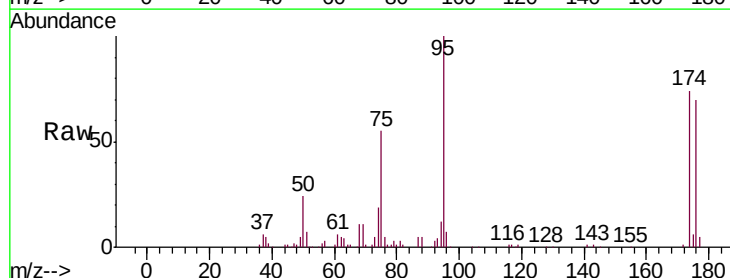
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ163I-20180914

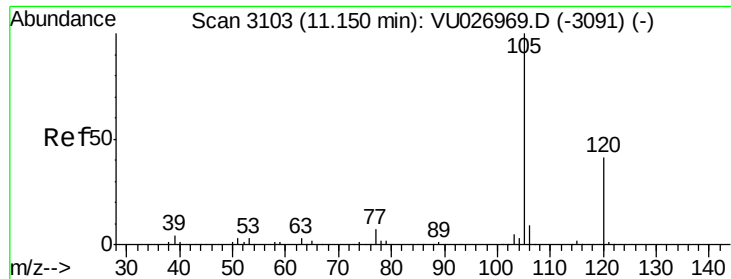
Tgt Ion: 75 Resp: 43253
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.9 62.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.207 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.21 min
 Lab File: VU027054.D
 Acq: 23 Sep 2018 06:53

Tgt Ion: 75 Resp: 43253
 Ion Ratio Lower Upper
 75 100
 53 0.2 0.0 0.0#
 89 0.0 0.0 0.0

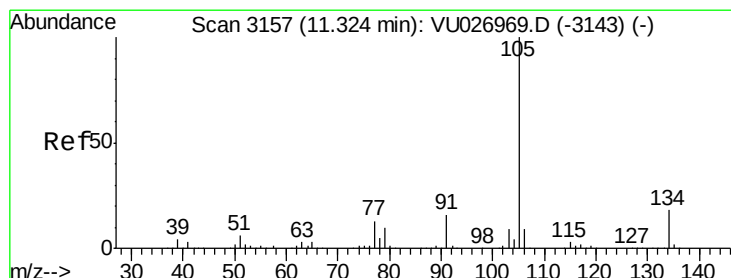
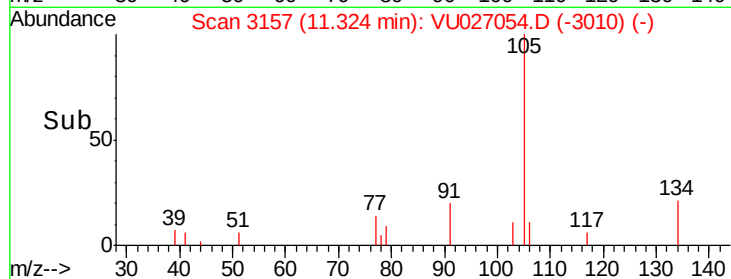
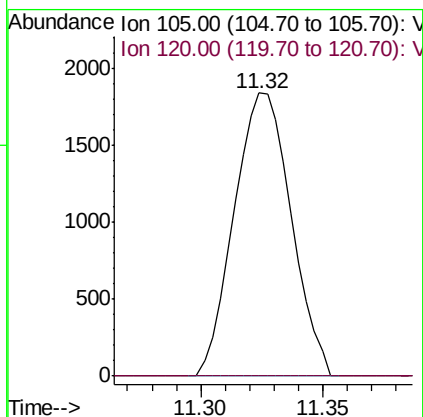
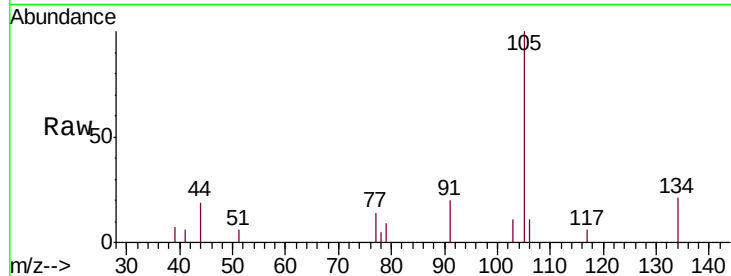




#84
1,2,4-Trimethylbenzene
Concen: 0.678 ug/l
RT: 11.32 min Scan# 3157
Delta R.T. 0.17 min
Lab File: VU027054.D
Acq: 23 Sep 2018 06:53

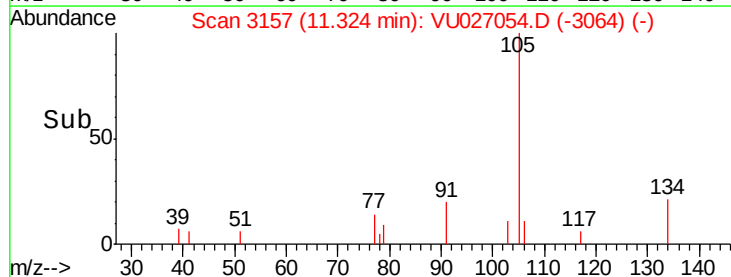
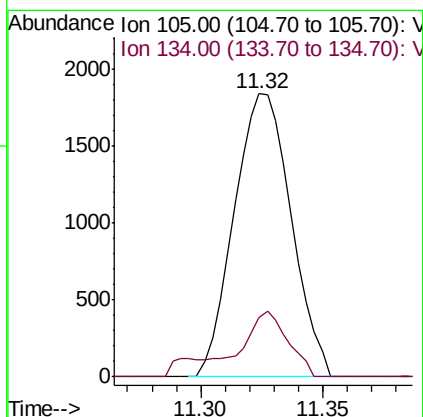
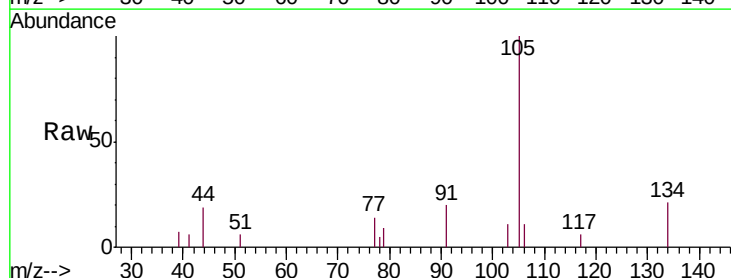
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ163I-20180914

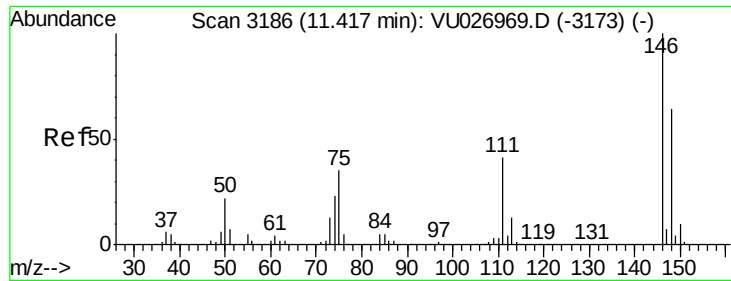
Tgt Ion:105 Resp: 2980
Ion Ratio Lower Upper
105 100
120 0.0 22.4 67.2#



#85
sec-Butylbenzene
Concen: 0.571 ug/l
RT: 11.32 min Scan# 3157
Delta R.T. -0.00 min
Lab File: VU027054.D
Acq: 23 Sep 2018 06:53

Tgt Ion:105 Resp: 2980
Ion Ratio Lower Upper
105 100
134 17.3 9.4 28.2

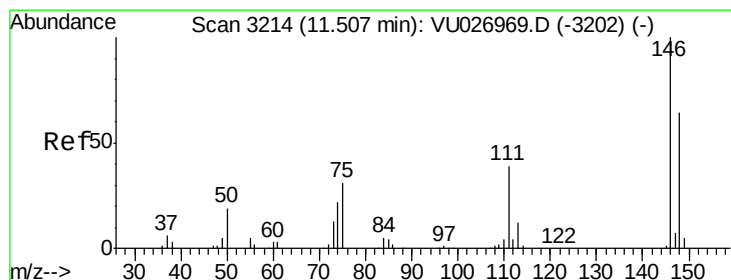
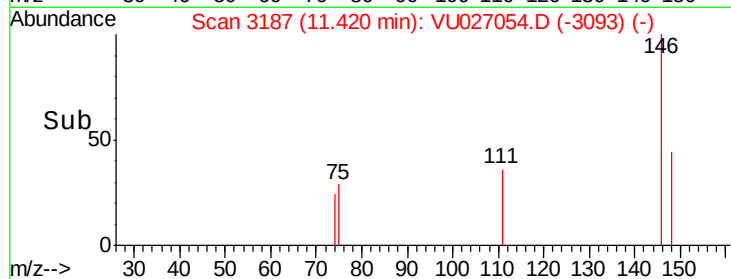
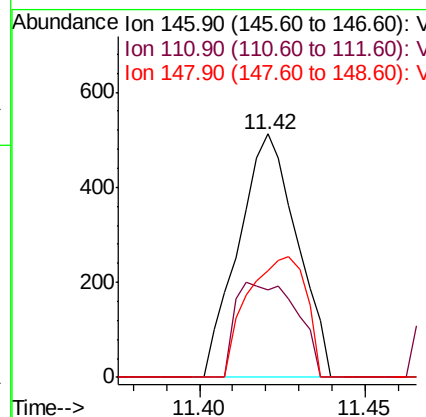
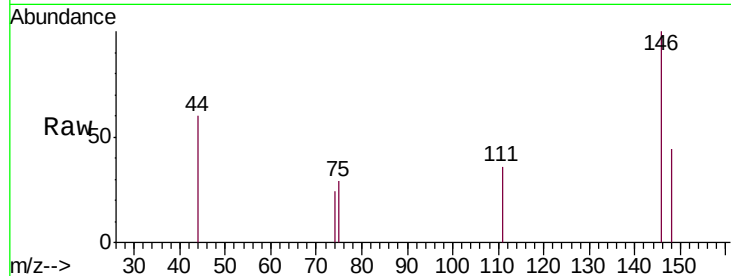




#87
 1,3-Dichlorobenzene
 Concen: 0.264 ug/l
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU027054.D
 Acq: 23 Sep 2018 06:53

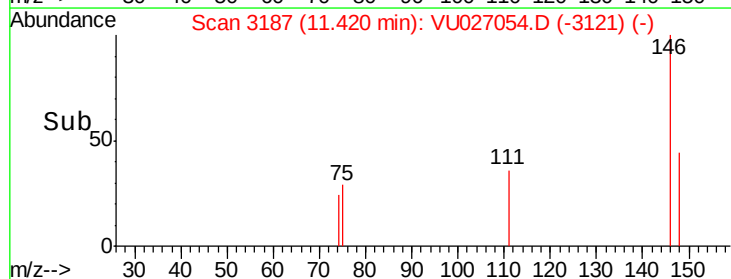
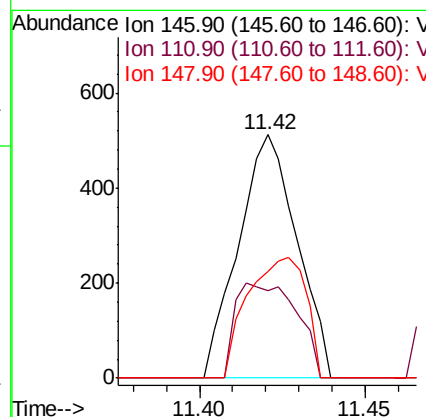
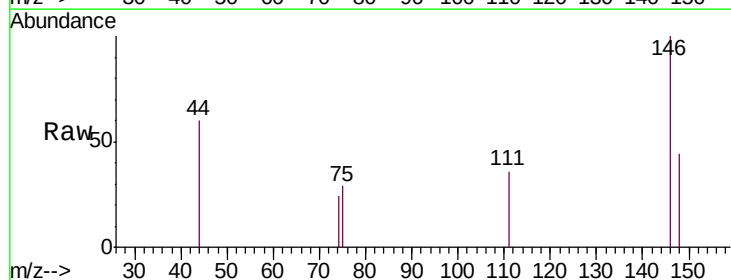
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ163I-20180914

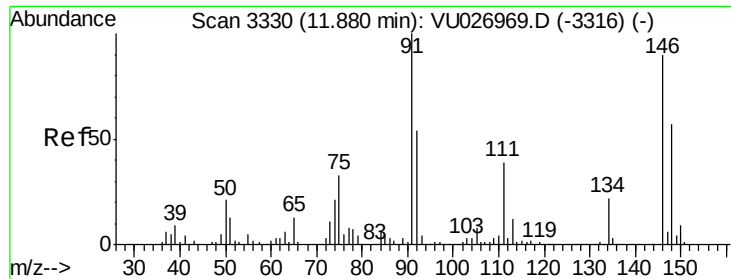
Tgt Ion:146 Resp: 628
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.8 62.2
 148 49.2 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 0.242 ug/l
 RT: 11.42 min Scan# 3187
 Delta R.T. -0.09 min
 Lab File: VU027054.D
 Acq: 23 Sep 2018 06:53

Tgt Ion:146 Resp: 628
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.3 60.9
 148 49.2 31.9 95.9





#91

1,2-Dichlorobenzene

Concen: 0.354 ug/l

RT: 11.88 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VU027054.D

Acq: 23 Sep 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ163I-20180914

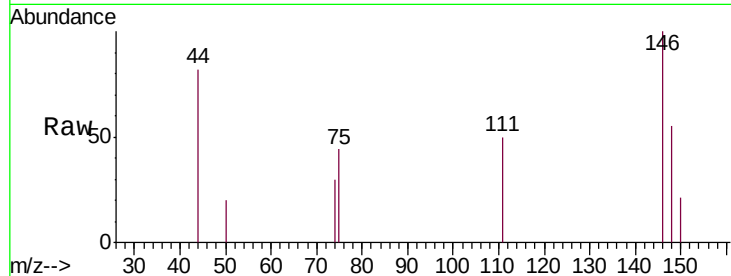
Tgt Ion:146 Resp: 895

Ion Ratio Lower Upper

146 100

111 50.2 21.8 65.3

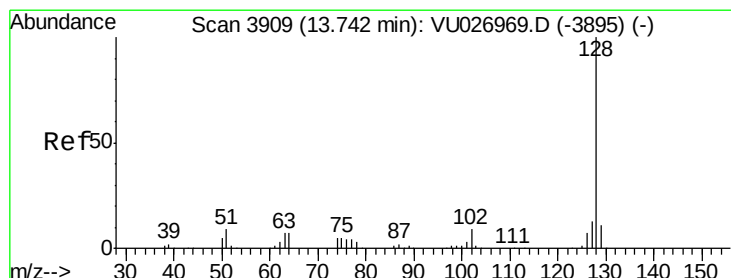
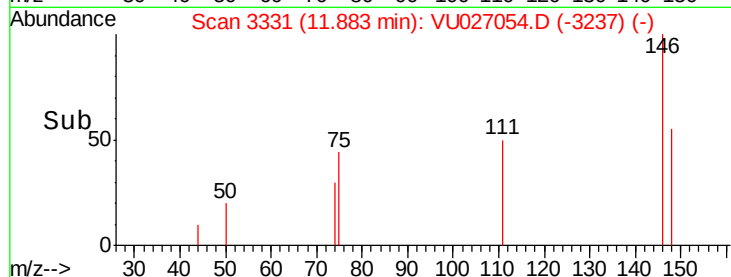
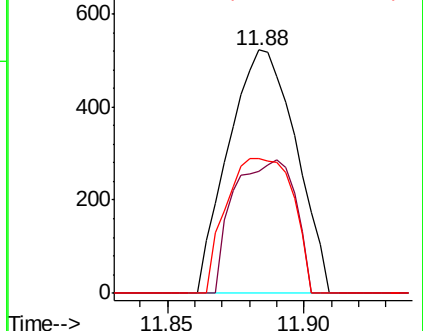
148 54.7 31.9 95.7



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



#95

Naphthalene

Concen: 1.700 ug/l

RT: 13.60 min Scan# 3866

Delta R.T. -0.14 min

Lab File: VU027054.D

Acq: 23 Sep 2018 06:53

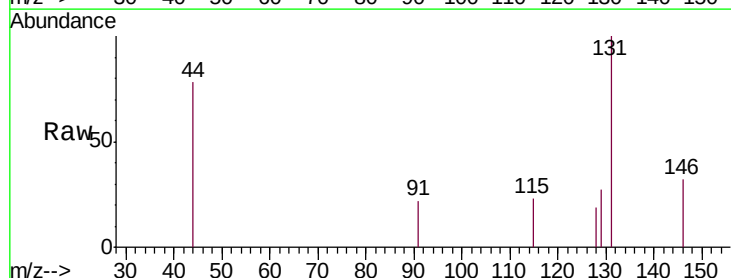
Tgt Ion:128 Resp: 66

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 577.3 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

