

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027152.D
 Acq On : 26 Sep 2018 01:42
 Operator : MD/SY
 Sample : J4968-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ142I-20180916

Quant Time: Sep 26 07:16:18 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	90470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	154151	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	147942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	68822	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	98105	53.88	ug/l	0.00
Spiked Amount			Recovery	=	107.76%	
35) Dibromofluoromethane	4.88	113	67297	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
50) Toluene-d8	7.57	98	241255	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	
62) 4-Bromofluorobenzene	10.31	95	79517	45.51	ug/l	0.00
Spiked Amount			Recovery	=	91.02%	

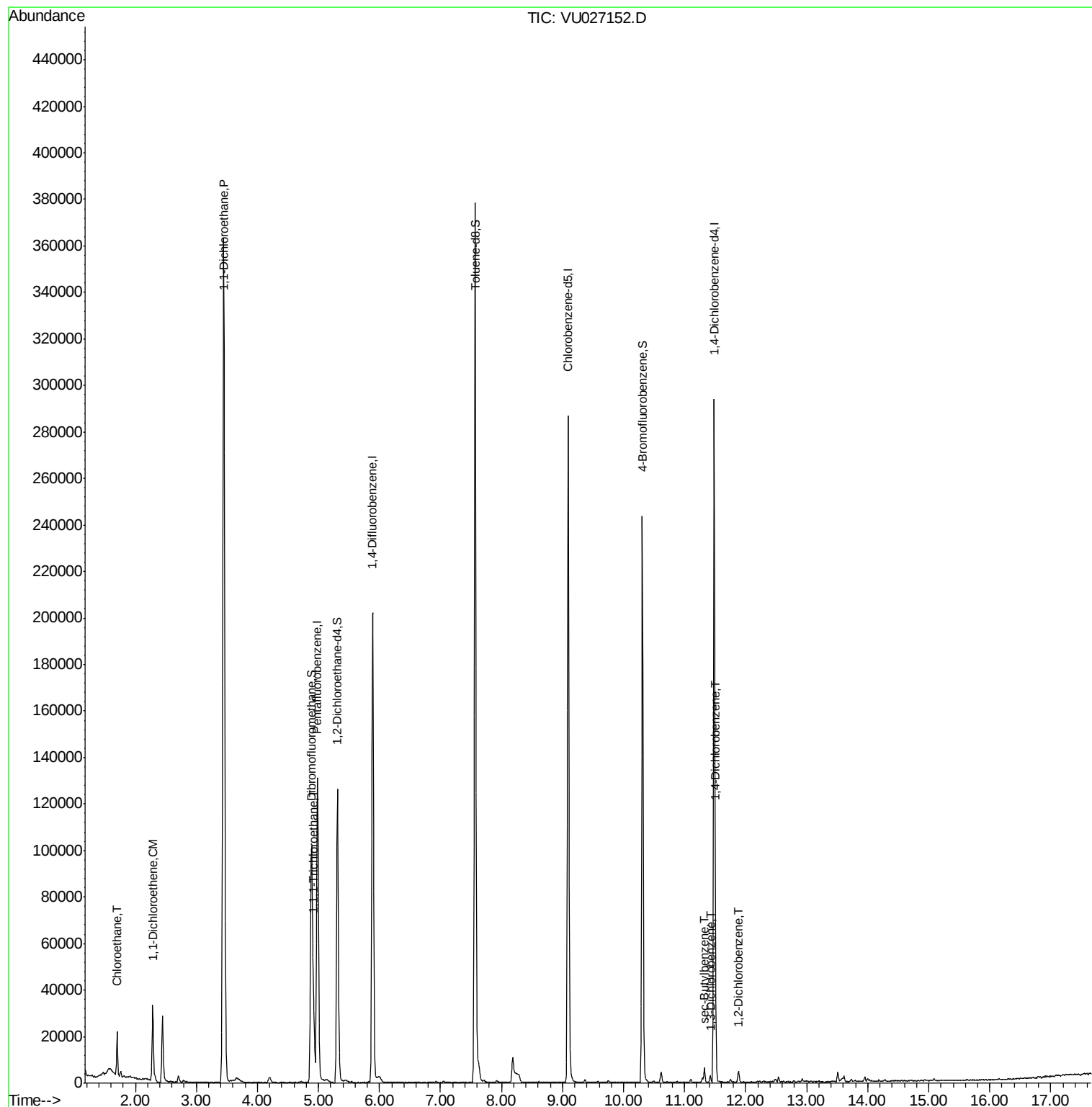
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.70	64	11719	9.648	ug/l	98
12) 1,1-Dichloroethene	2.29	96	9758	7.809	ug/l	95
24) 1,1-Dichloroethane	3.45	63	405494	135.820	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	22678	10.249	ug/l	99
85) sec-Butylbenzene	11.32	105	4175	0.801	ug/l	94
87) 1,3-Dichlorobenzene	11.42	146	1439	0.604	ug/l	94
88) 1,4-Dichlorobenzene	11.51	146	6556	2.527	ug/l	91
91) 1,2-Dichlorobenzene	11.88	146	2185	0.864	ug/l	96

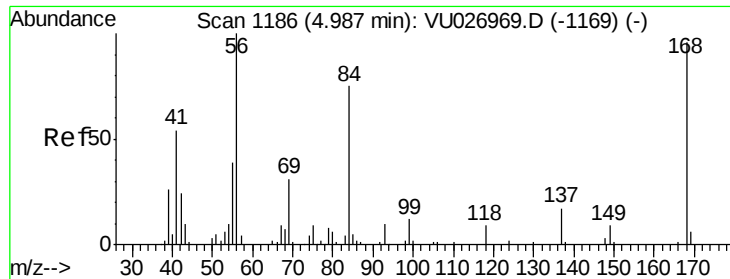
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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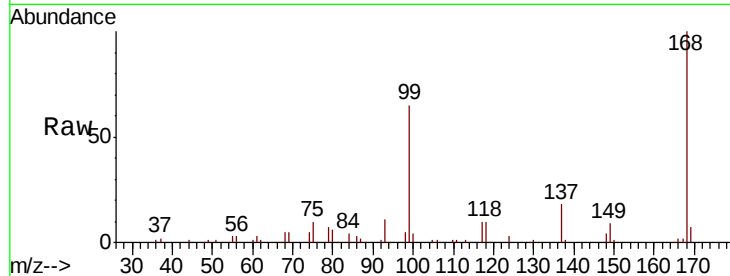




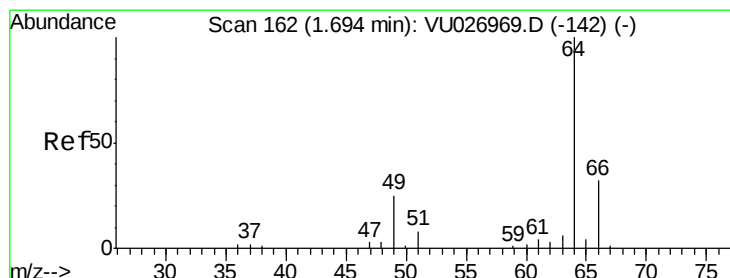
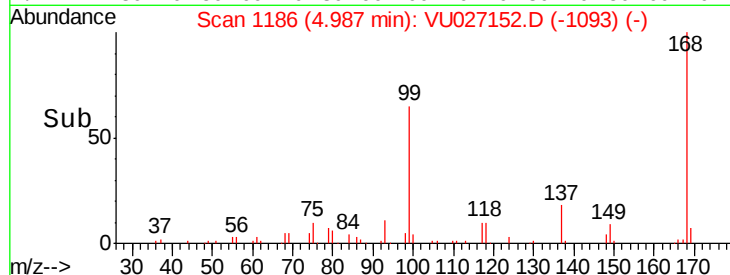
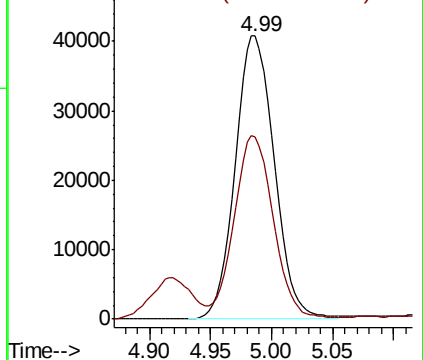
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VU027152.D
Acq: 26 Sep 2018 01:42

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ142I-20180916

Tot Ion:168 Resp: 90470
Ion Ratio Lower Upper
168 100
99 63.9 48.1 72.1

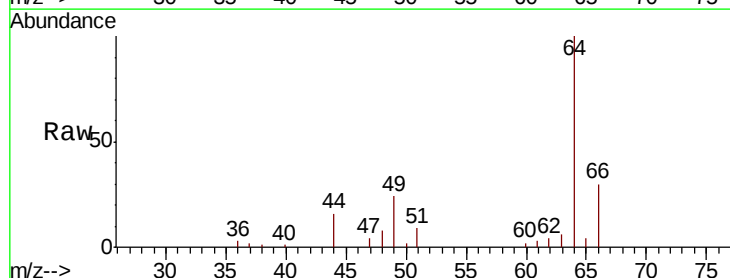


Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)
Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

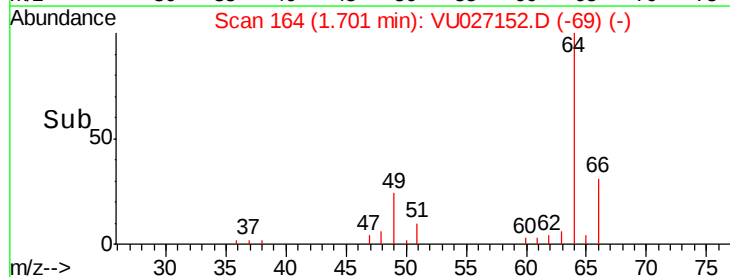
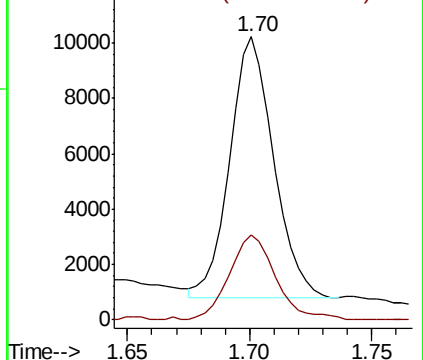


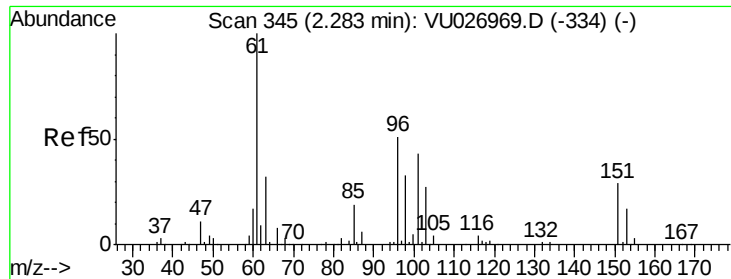
#6
Chloroethane
Concen: 9.648 ug/l
RT: 1.70 min Scan# 164
Delta R.T. 0.01 min
Lab File: VU027152.D
Acq: 26 Sep 2018 01:42

Tgt Ion: 64 Resp: 11719
Ion Ratio Lower Upper
64 100
66 32.5 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) (-)





#12

1,1-Dichloroethene

Concen: 7.809 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027152.D

Acq: 26 Sep 2018 01:42

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ142I-20180916

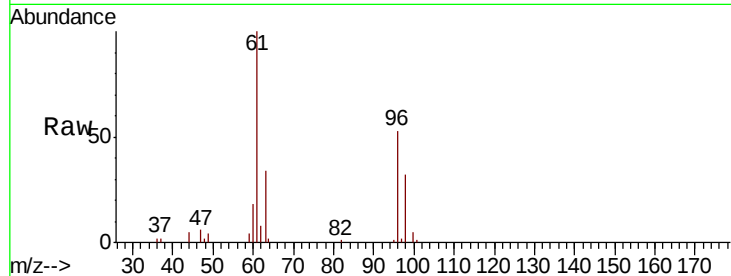
Tot Ion: 96 Resp: 9758

Ion Ratio Lower Upper

96 100

61 187.1 156.1 234.1

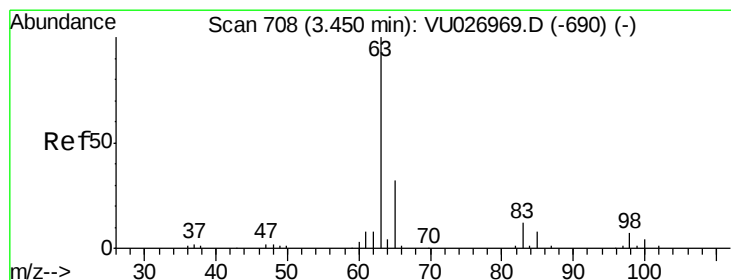
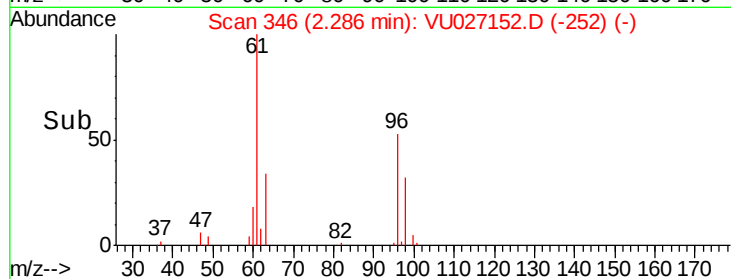
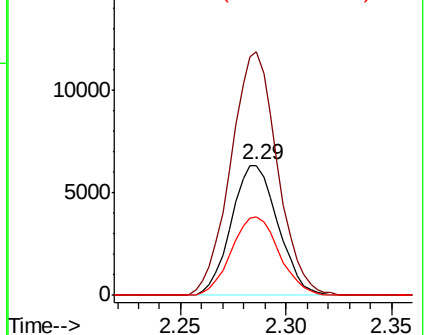
98 60.4 51.4 77.0



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



#24

1,1-Dichloroethane

Concen: 135.820 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027152.D

Acq: 26 Sep 2018 01:42

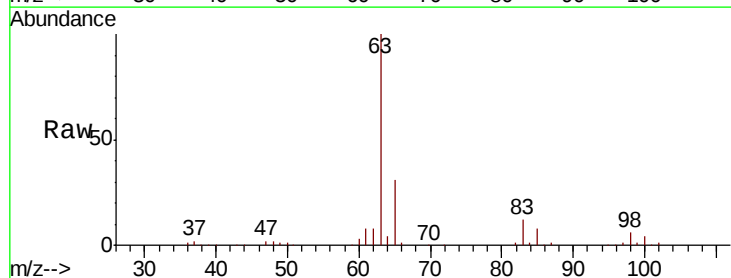
Tgt Ion: 63 Resp: 405494

Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.8

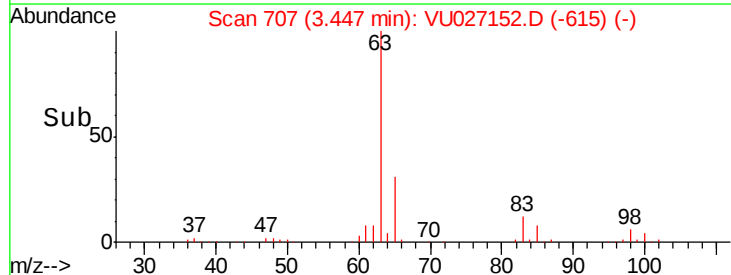
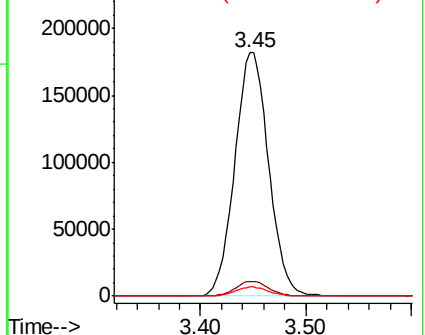
100 3.8 2.0 5.8

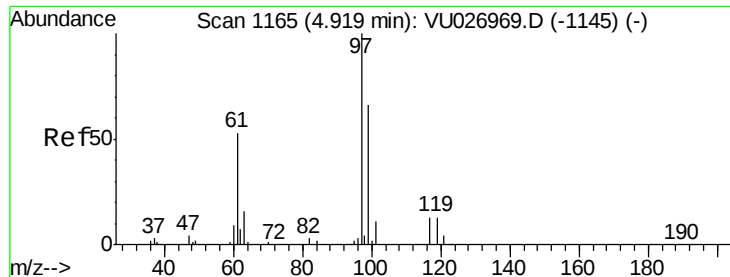


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#32

1,1,1-Trichloroethane

Concen: 10.249 ug/l

RT: 4.92 min Scan# 1165

Delta R.T. 0.00 min

Lab File: VU027152.D

Acq: 26 Sep 2018 01:42

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ142I-20180916

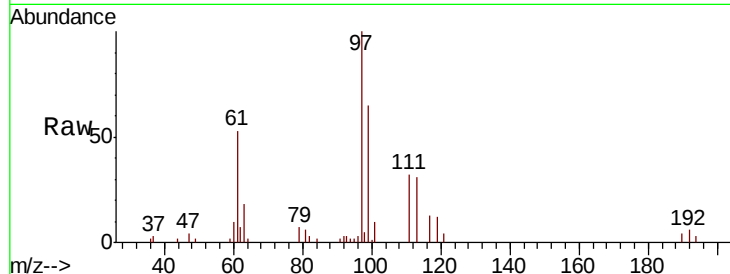
Tot Ion: 97 Resp: 22678

Ion Ratio Lower Upper

97 100

99 63.7 51.8 77.6

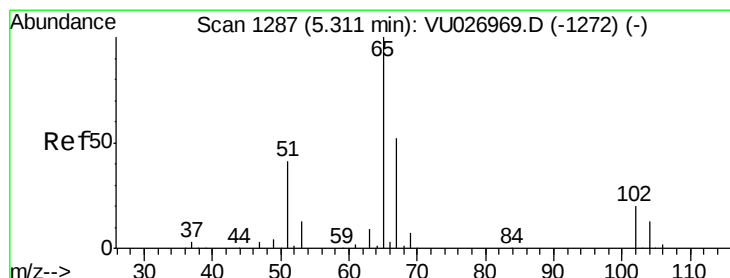
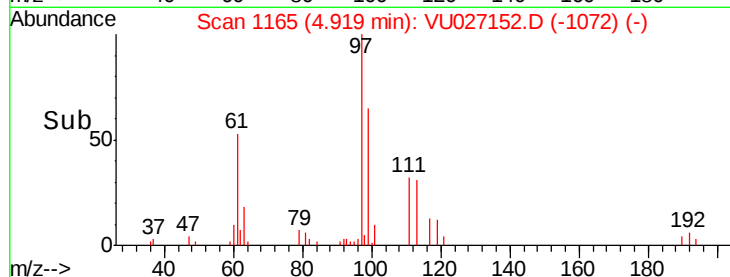
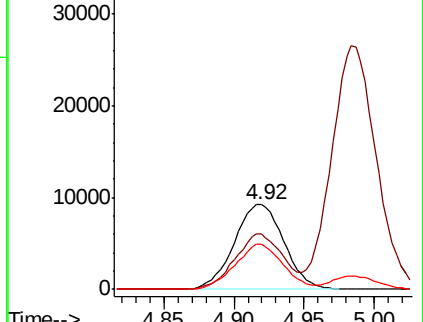
61 51.6 41.1 61.7



Abundance Ion 96.90 (96.60 to 97.60): VU026969.D (-1145) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1145) (-)

Ion 60.90 (60.60 to 61.60): VU026969.D (-1145) (-)



#33

1,2-Dichloroethane-d4

Concen: 53.878 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027152.D

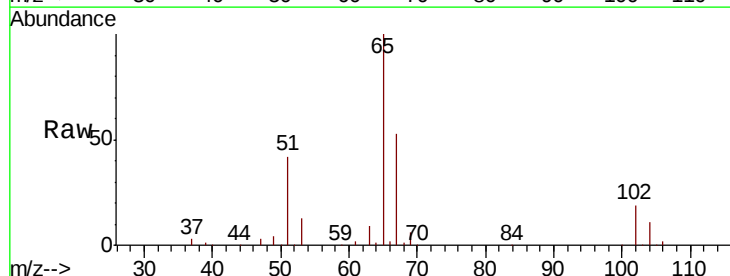
Acq: 26 Sep 2018 01:42

Tgt Ion: 65 Resp: 98105

Ion Ratio Lower Upper

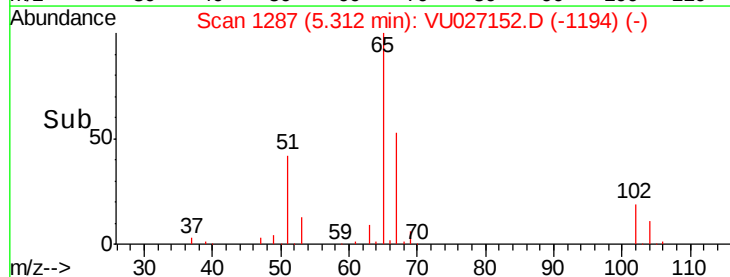
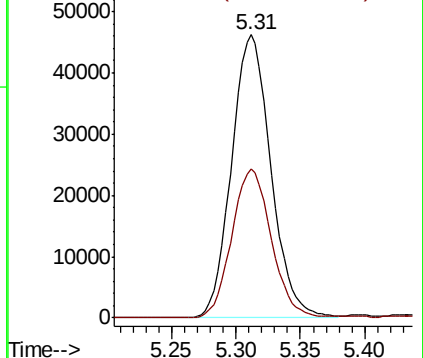
65 100

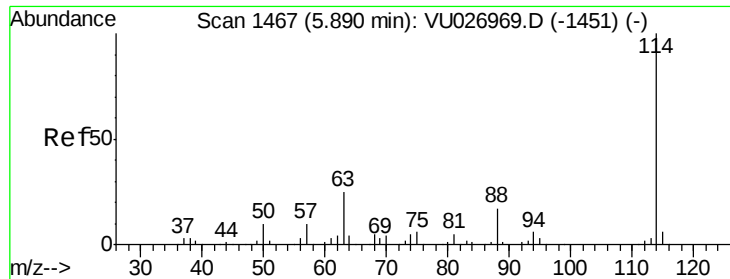
67 52.9 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VU026969.D (-1272) (-)

Ion 66.90 (66.60 to 67.60): VU026969.D (-1272) (-)

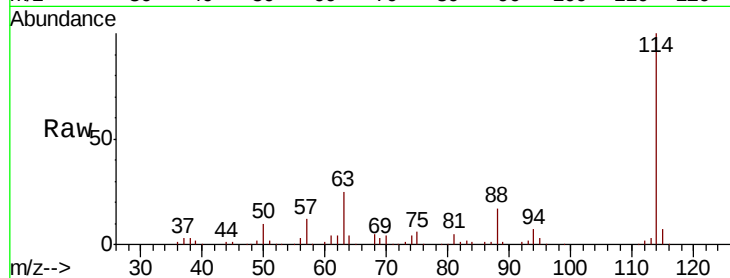




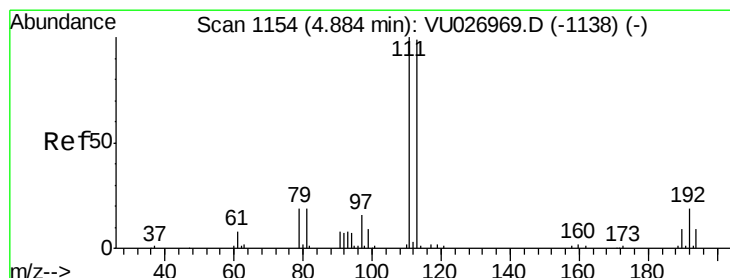
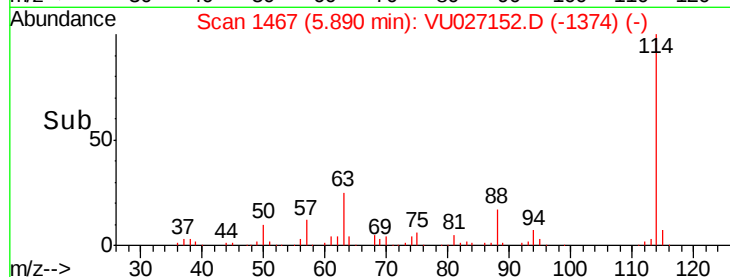
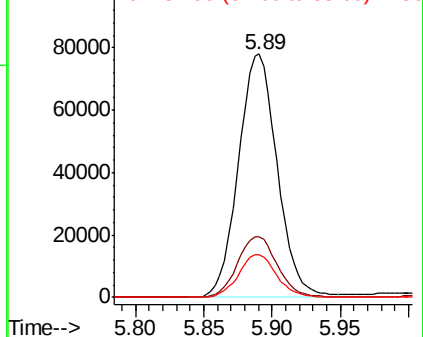
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027152.D
 Acq: 26 Sep 2018 01:42

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ142I-20180916

Tot Ion:114 Resp: 154151
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 49.2
 88 17.5 0.0 33.8

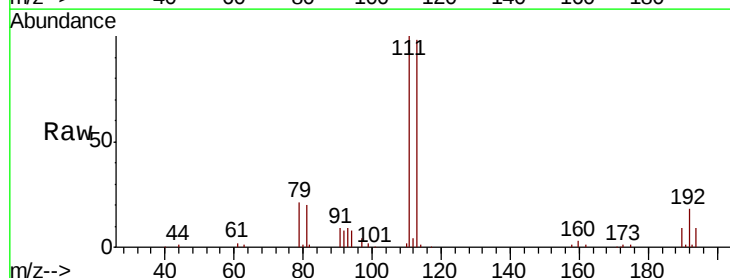


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

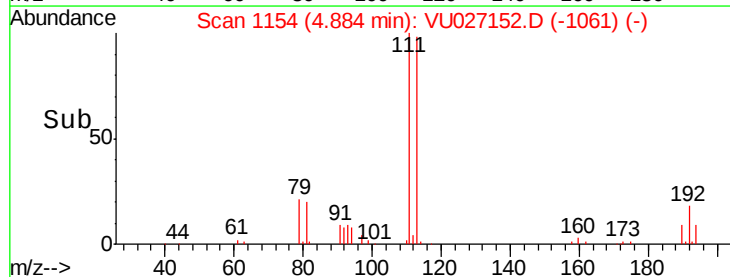
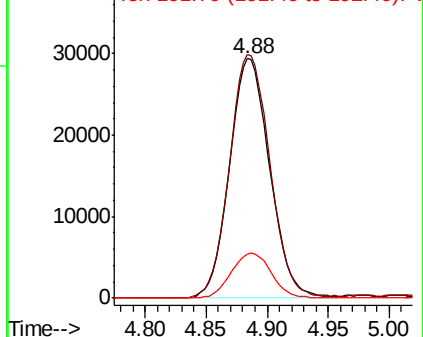


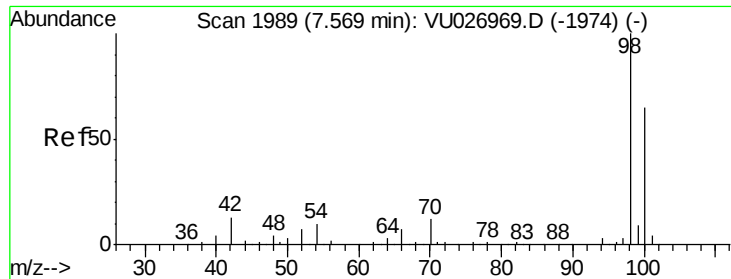
#35
 Dibromofluoromethane
 Concen: 50.365 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027152.D
 Acq: 26 Sep 2018 01:42

Tgt Ion:113 Resp: 67297
 Ion Ratio Lower Upper
 113 100
 111 102.0 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





#50

Toluene-d8

Concen: 47.377 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027152.D

Acq: 26 Sep 2018 01:42

Instrument :

MSVOA_U

ClientSampleId :

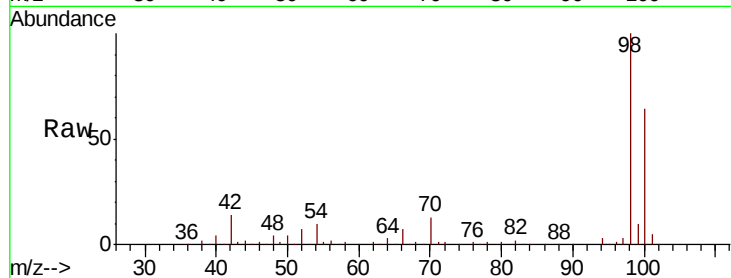
SA-PZ142I-20180916

Tot Ion: 98 Resp: 241255

Ion Ratio Lower Upper

98 100

100 65.6 52.1 78.1



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

Ion 100.00 (99.70 to 100.70): VU026969.D (-1974) (-)

7.57

150000

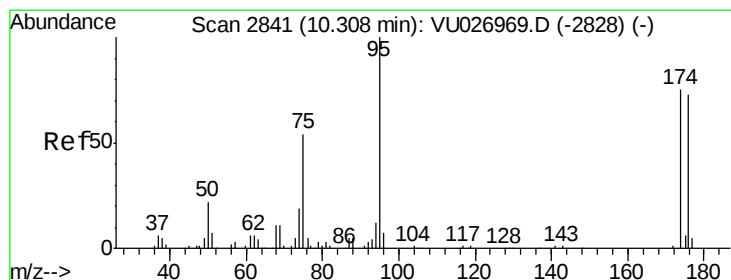
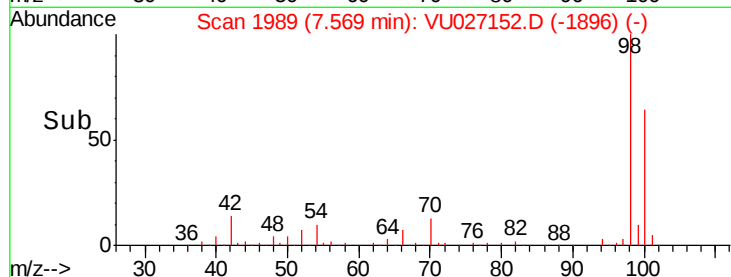
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50000

0

7.50 7.55 7.60

Time-->



#62

4-Bromofluorobenzene

Concen: 45.508 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027152.D

Acq: 26 Sep 2018 01:42

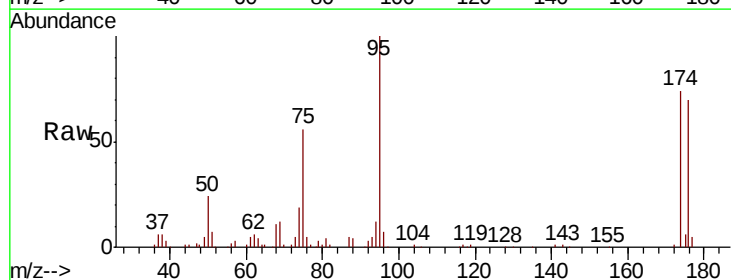
Tgt Ion: 95 Resp: 79517

Ion Ratio Lower Upper

95 100

174 75.4 0.0 150.2

176 71.3 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) (-)

10.31

60000

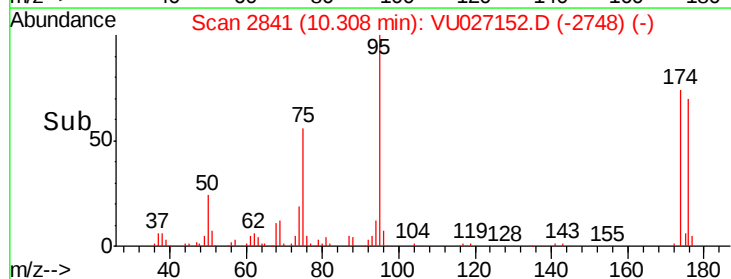
40000

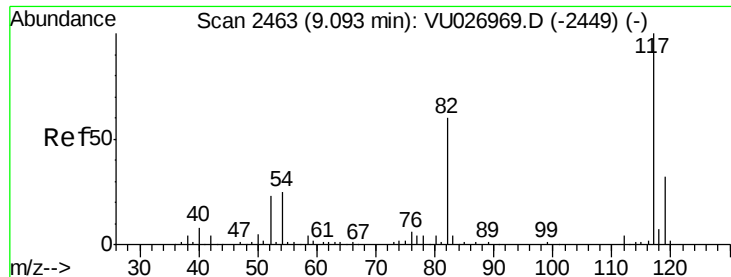
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0

10.25 10.30 10.35 10.40

Time-->

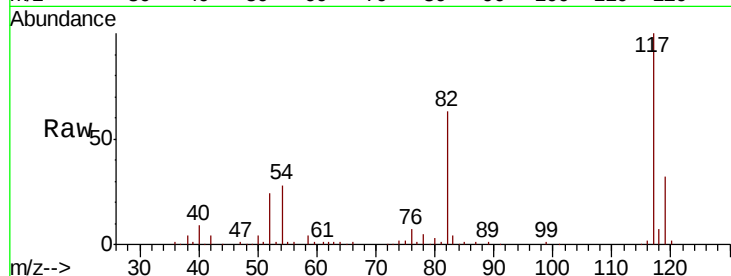




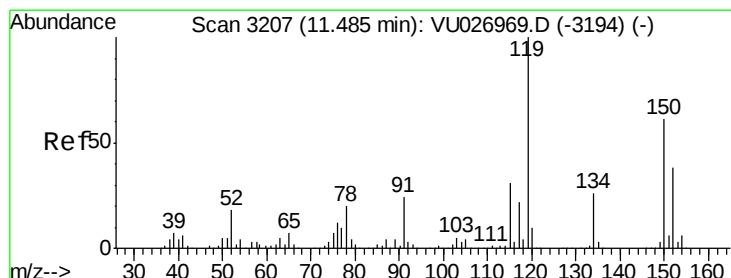
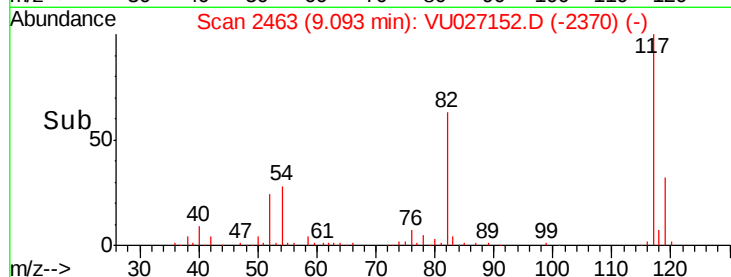
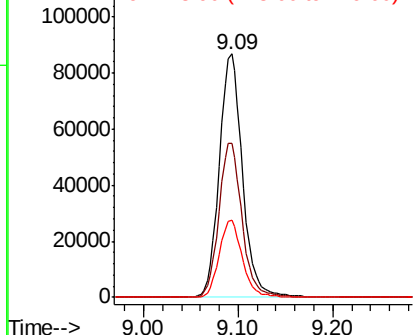
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027152.D
Acq: 26 Sep 2018 01:42

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ142I-20180916

Tot Ion:117 Resp: 147942
Ion Ratio Lower Upper
117 100
82 63.1 48.0 72.0
119 31.5 25.8 38.8

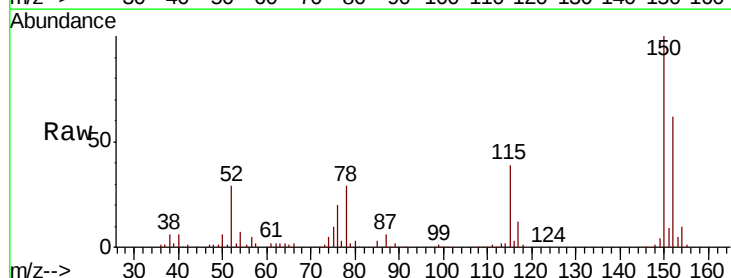


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

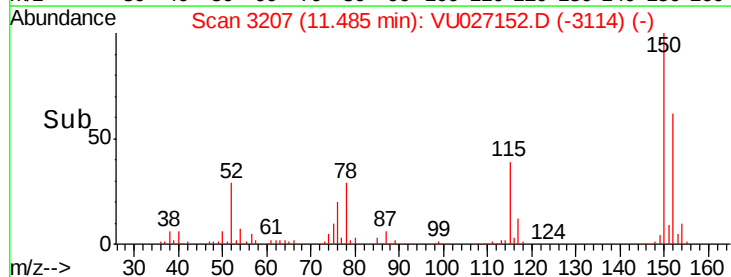
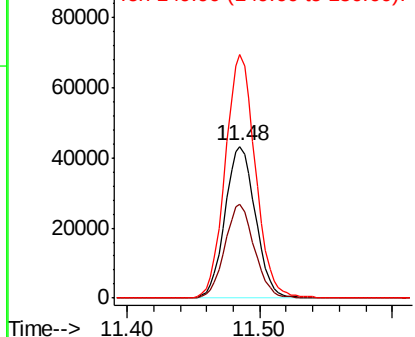


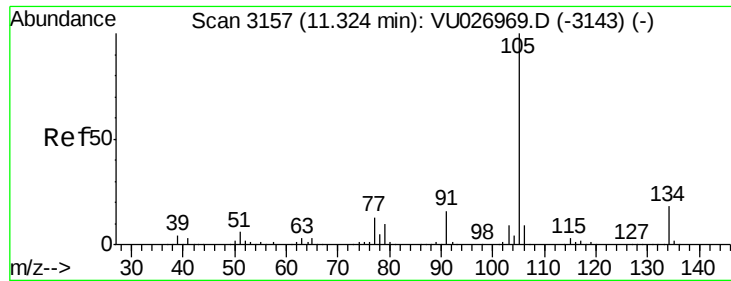
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027152.D
Acq: 26 Sep 2018 01:42

Tgt Ion:152 Resp: 68822
Ion Ratio Lower Upper
152 100
115 60.5 44.9 134.5
150 159.5 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

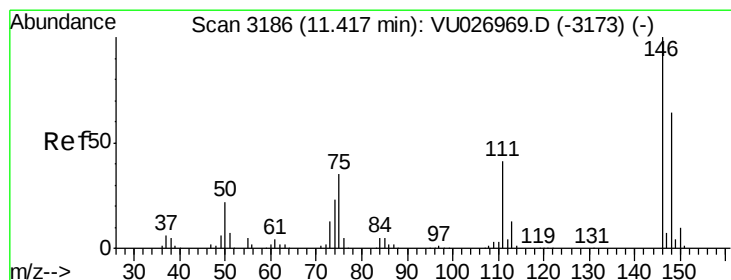
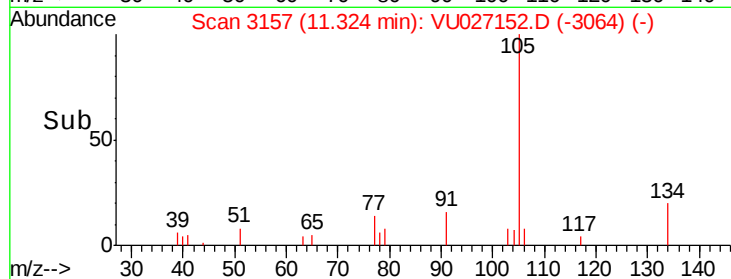
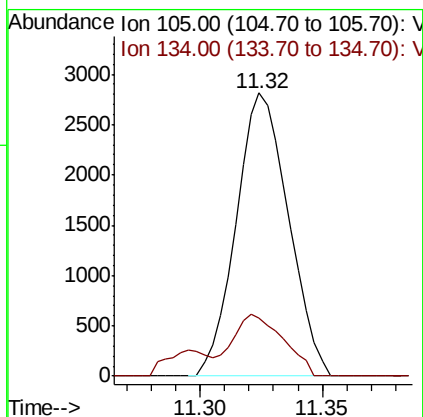
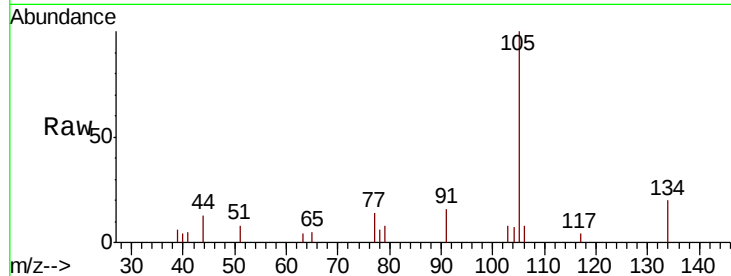




#85
 sec-Butylbenzene
 Concen: 0.801 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027152.D
 Acq: 26 Sep 2018 01:42

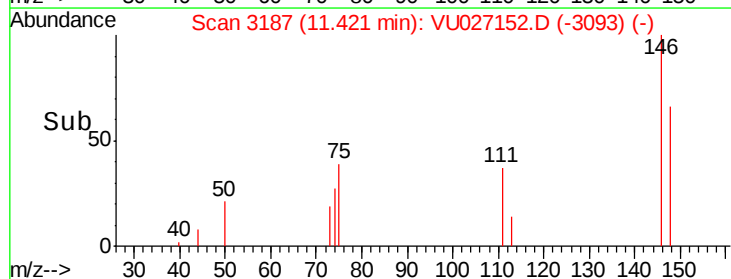
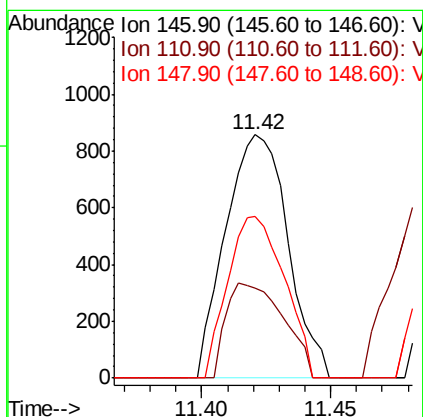
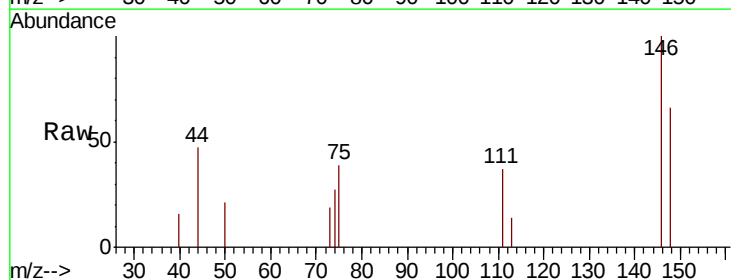
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ142I-20180916

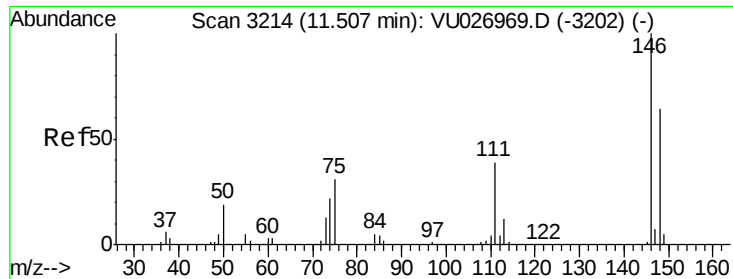
Tot Ion:105 Resp: 4175
 Ion Ratio Lower Upper
 105 100
 134 21.3 9.4 28.2



#87
 1,3-Dichlorobenzene
 Concen: 0.604 ug/l
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU027152.D
 Acq: 26 Sep 2018 01:42

Tgt Ion:146 Resp: 1439
 Ion Ratio Lower Upper
 146 100
 111 35.9 20.8 62.2
 148 60.4 32.0 96.2





#88

1,4-Dichlorobenzene

Concen: 2.527 ug/l

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU027152.D

Acq: 26 Sep 2018 01:42

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ142I-20180916

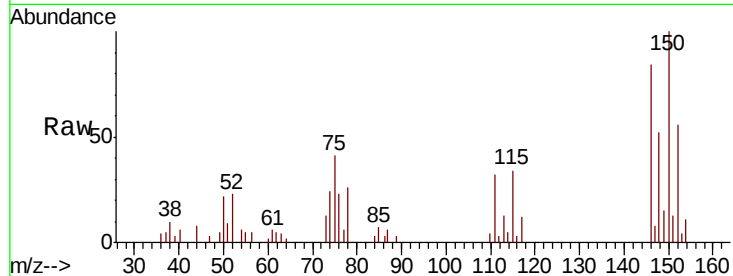
Tot Ion:146 Resp: 6556

Ion Ratio Lower Upper

146 100

111 53.2 20.3 60.9

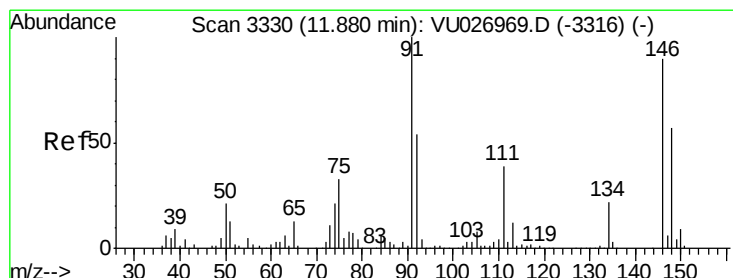
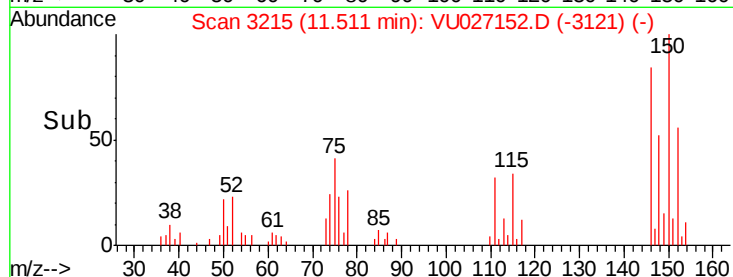
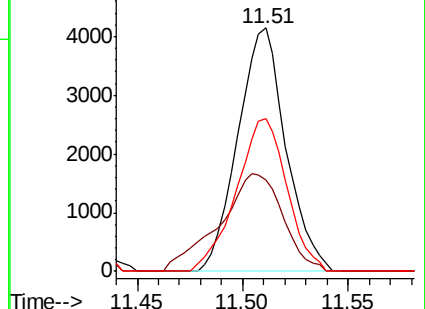
148 66.0 31.9 95.9



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: 0.864 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU027152.D

Acq: 26 Sep 2018 01:42

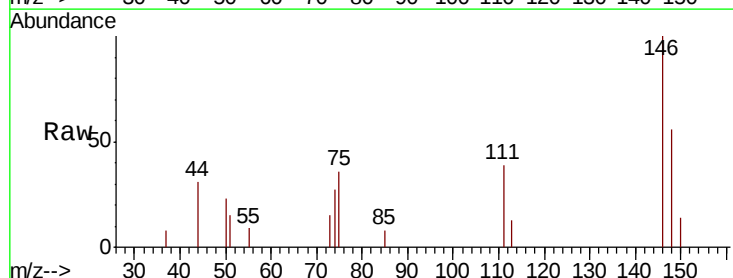
Tgt Ion:146 Resp: 2185

Ion Ratio Lower Upper

146 100

111 43.2 21.8 65.3

148 59.2 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

