

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092418\
 Data File : VU027099.D
 Acq On : 24 Sep 2018 11:30
 Operator : MD/SY
 Sample : J4969-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ171I-20180916

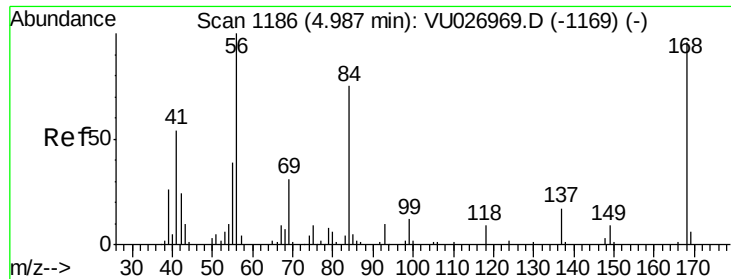
Quant Time: Sep 25 09:56:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	97069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	164109	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	159410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73955	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	100209	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	
35) Dibromofluoromethane	4.88	113	69464	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
50) Toluene-d8	7.57	98	265719	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
62) 4-Bromofluorobenzene	10.31	95	87123	46.84	ug/l	0.00
Spiked Amount			Recovery	=	93.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.70	64	27653	21.219	ug/l	99
12) 1,1-Dichloroethene	2.29	96	25595	19.091	ug/l	99
24) 1,1-Dichloroethane	3.45	63	869366	271.398	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	73614	31.008	ug/l	99
40) Benzene	5.40	78	3438	0.516	ug/l	97
73) Isopropylbenzene	10.17	105	3973	0.706	ug/l	95
83) tert-Butylbenzene	11.10	119	1203	0.262	ug/l #	83
85) sec-Butylbenzene	11.32	105	5727	1.022	ug/l	95
88) 1,4-Dichlorobenzene	11.51	146	4072	1.460	ug/l	82
91) 1,2-Dichlorobenzene	11.88	146	2253	0.829	ug/l	94
93) 1,2,4-Trichlorobenzene	13.51	180	1801	1.150	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027099.D

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ClientSampleId :

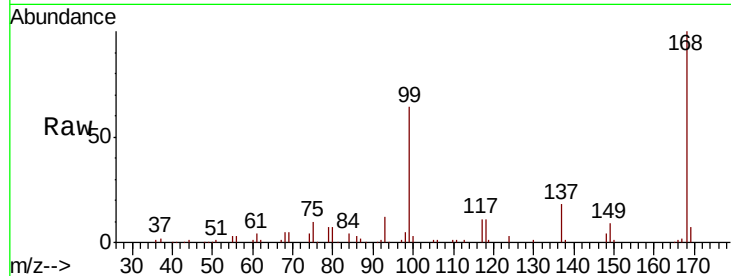
SA-PZ171I-20180916

Tot Ion:168 Resp: 97069

Ion Ratio Lower Upper

168 100

99 62.8 48.1 72.1



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

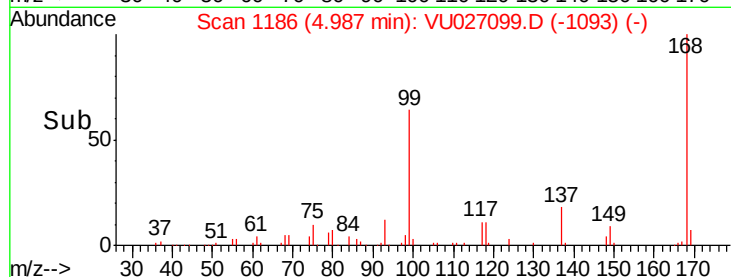
Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

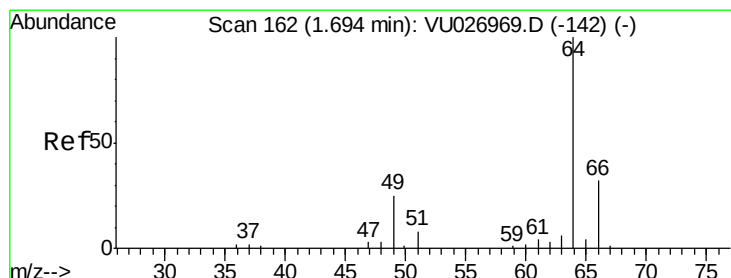
4.95

5.00

5.05



Time-->



#6

Chloroethane

Concen: 21.219 ug/l

RT: 1.70 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU027099.D

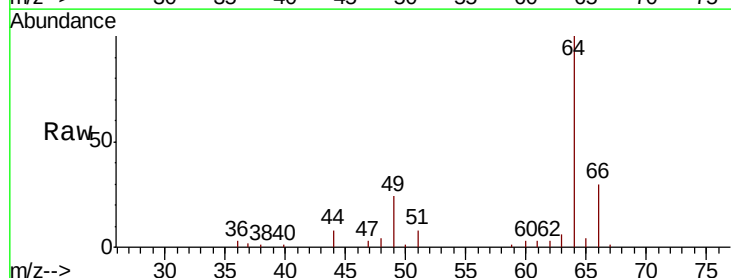
Acq: 24 Sep 2018 11:30

Tgt Ion: 64 Resp: 27653

Ion Ratio Lower Upper

64 100

66 30.9 25.3 37.9



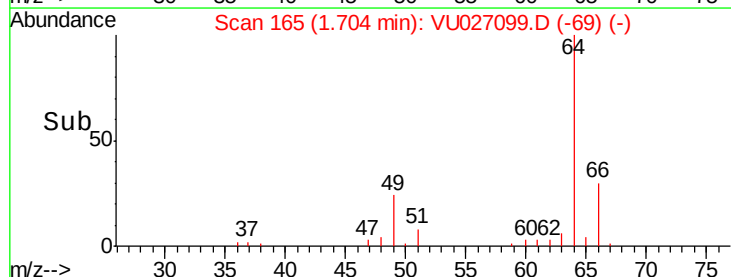
Abundance Ion 63.90 (63.60 to 64.60): VU026969.D (-142) (-)

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

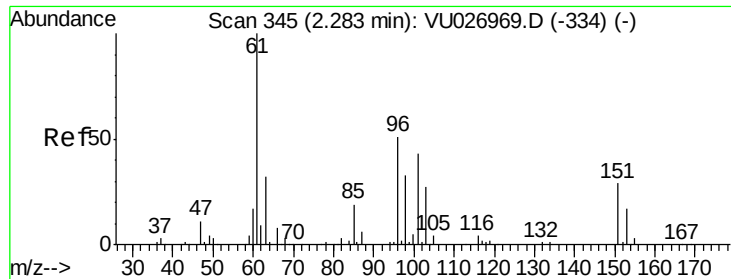
1.70

1.65

1.75



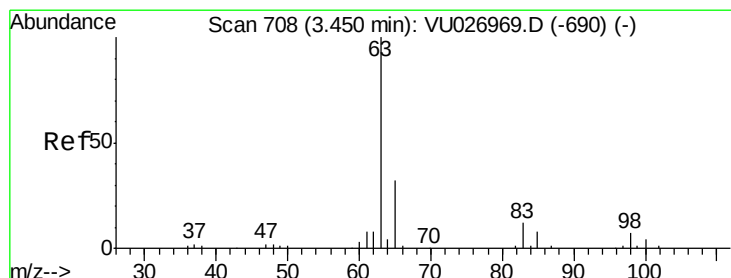
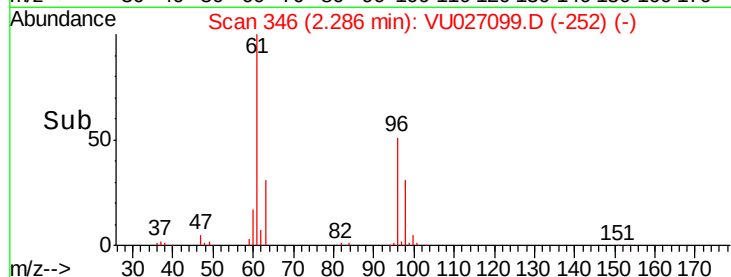
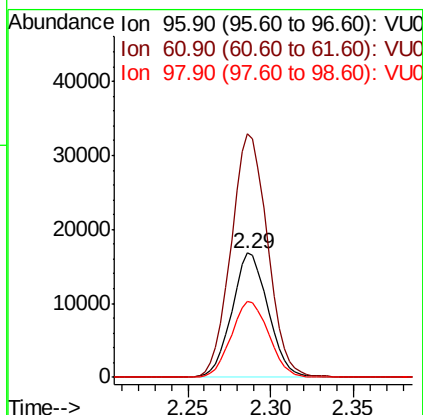
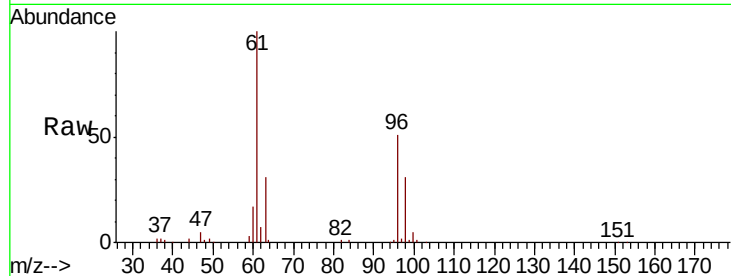
Time-->



#12
 1,1-Dichloroethene
 Concen: 19.091 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU027099.D
 Acq: 24 Sep 2018 11:30

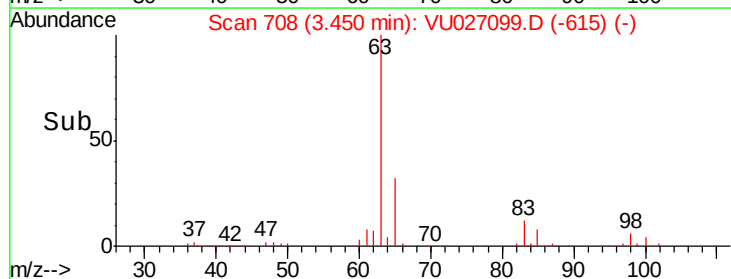
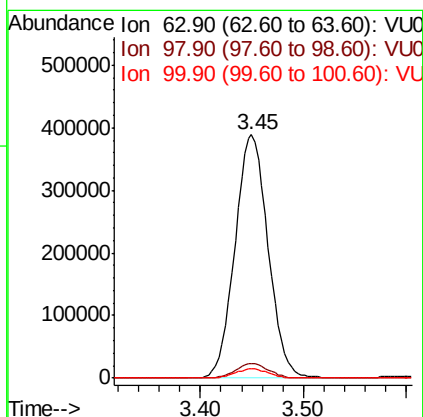
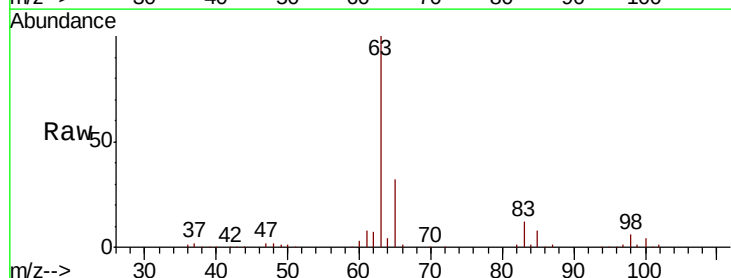
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ171I-20180916

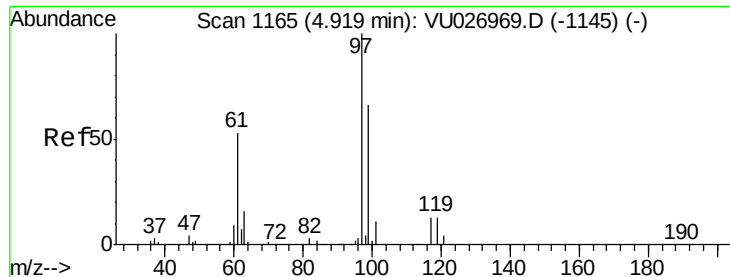
Tot Ion	Ratio	Lower	Upper
96	100		
61	195.5	156.1	234.1
98	60.7	51.4	77.0



#24
 1,1-Dichloroethane
 Concen: 271.398 ug/l
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU027099.D
 Acq: 24 Sep 2018 11:30

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.3	9.8
100	3.9	2.0	5.8





#32

1,1,1-Trichloroethane

Concen: 31.008 ug/l

RT: 4.92 min Scan# 1165

Delta R.T. 0.00 min

Lab File: VU027099.D

Acq: 24 Sep 2018 11:30

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ171I-20180916

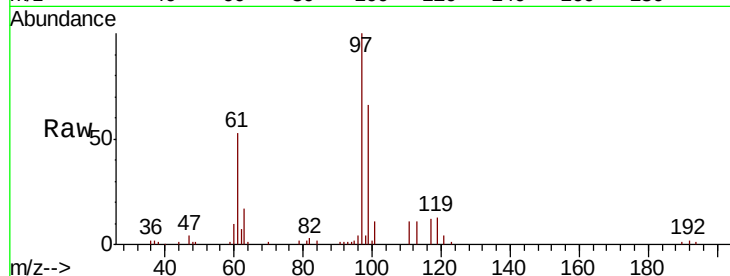
Tot Ion: 97 Resp: 73614

Ion Ratio Lower Upper

97 100

99 64.1 51.8 77.6

61 52.4 41.1 61.7

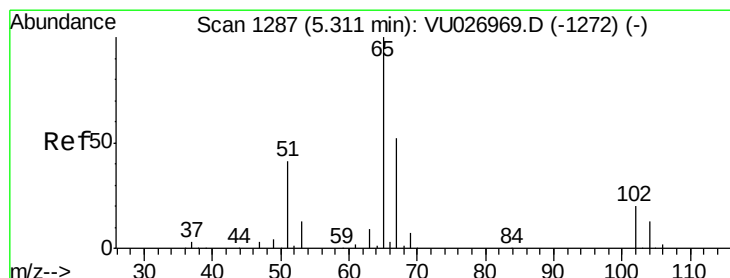
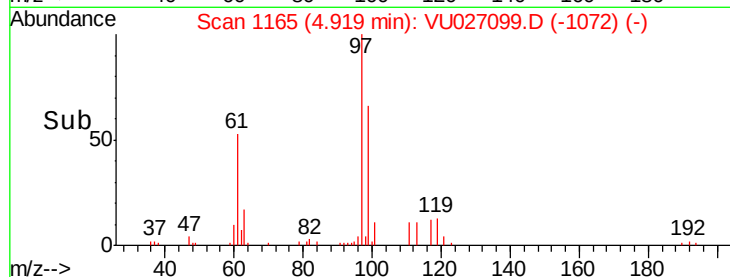
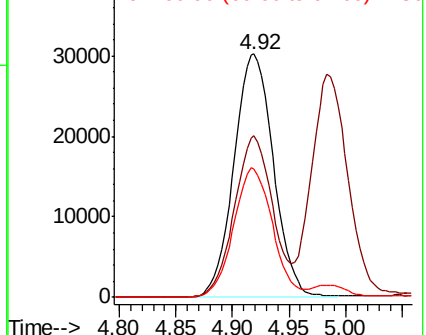


Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0



#33

1,2-Dichloroethane-d4

Concen: 51.293 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027099.D

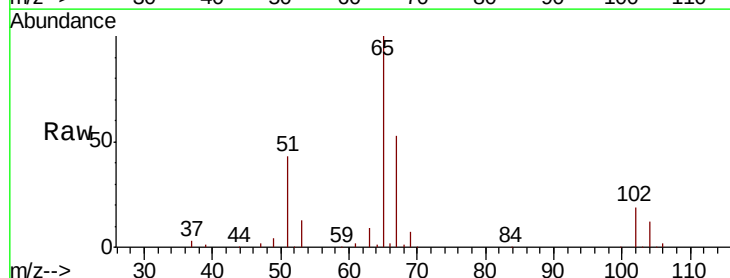
Acq: 24 Sep 2018 11:30

Tgt Ion: 65 Resp: 100209

Ion Ratio Lower Upper

65 100

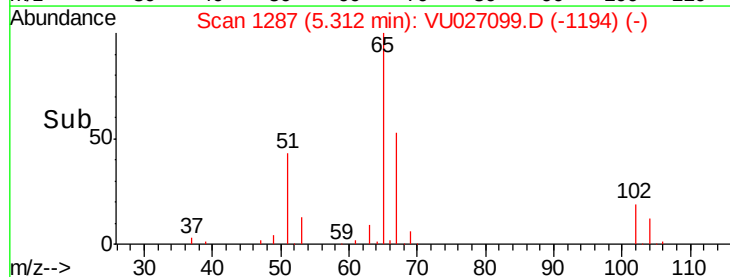
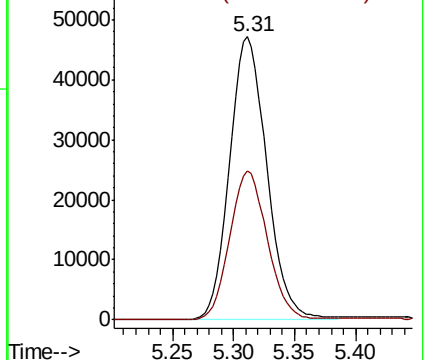
67 53.0 0.0 105.6

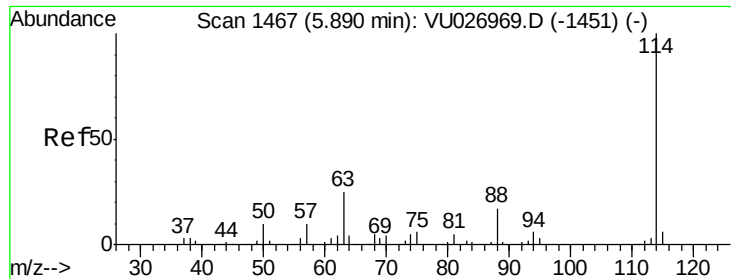


Abundance

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: VU027099.D

Acq: 24 Sep 2018 11:30

Instrument :

MSVOA_U

ClientSampleId :

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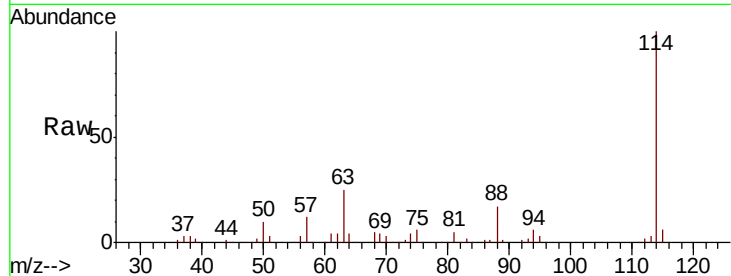
Tot Ion:114 Resp: 164109

Ion Ratio Lower Upper

114 100

63 24.7 0.0 49.2

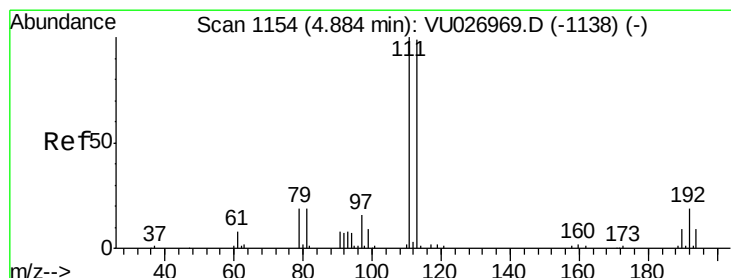
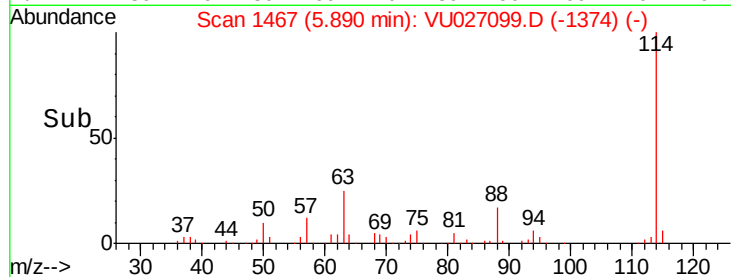
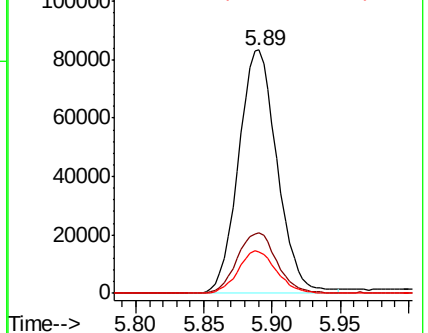
88 17.0 0.0 33.8



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: 48.832 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027099.D

Acq: 24 Sep 2018 11:30

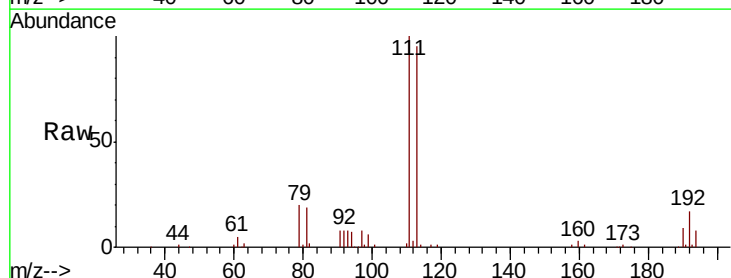
Tgt Ion:113 Resp: 69464

Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

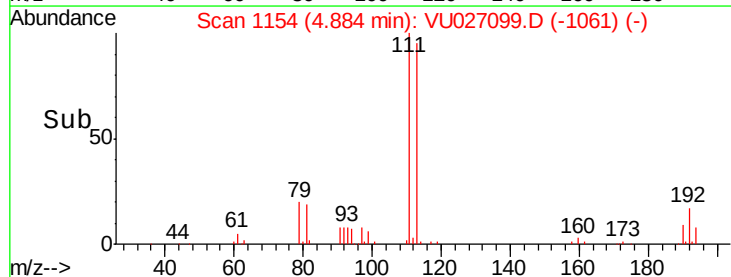
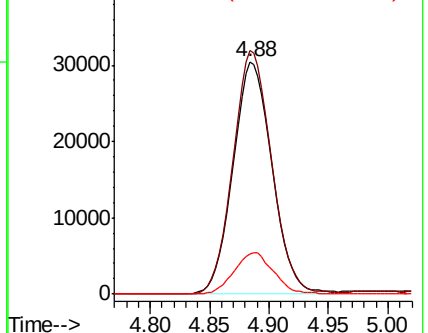
192 17.9 15.2 22.8

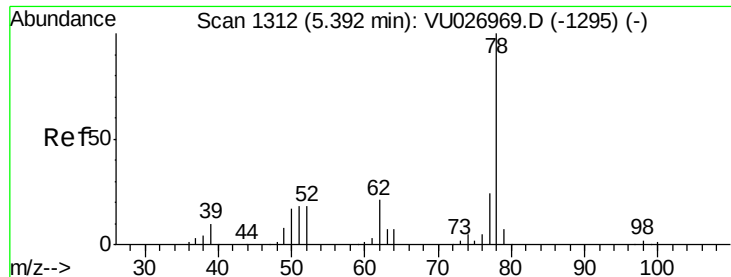


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 0.516 ug/l

RT: 5.40 min Scan# 1314

Delta R.T. 0.01 min

Lab File: VU027099.D

Acq: 24 Sep 2018 11:30

Instrument :

MSVOA_U

ClientSampleId :

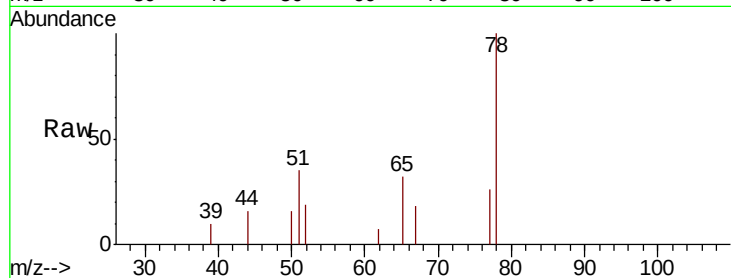
SA-PZ171I-20180916

Tot Ion: 78 Resp: 3438

Ion Ratio Lower Upper

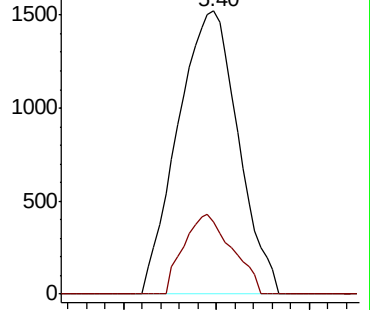
78 100

77 25.6 19.4 29.0

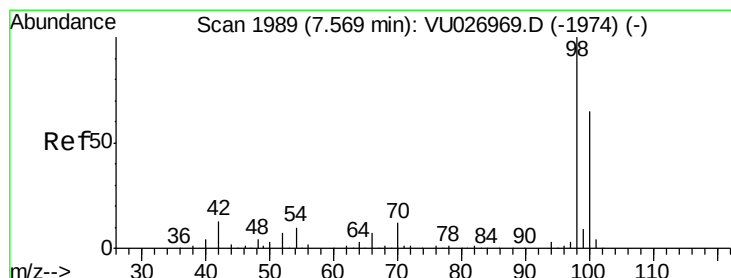
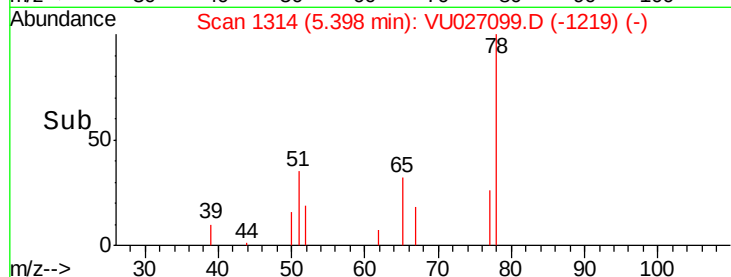


Abundance Ion 78.00 (77.70 to 78.70): VU026969.D (-1295) (-)

Ion 77.00 (76.70 to 77.70): VU026969.D (-1295) (-)



Time-->



#50

Toluene-d8

Concen: 49.015 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU027099.D

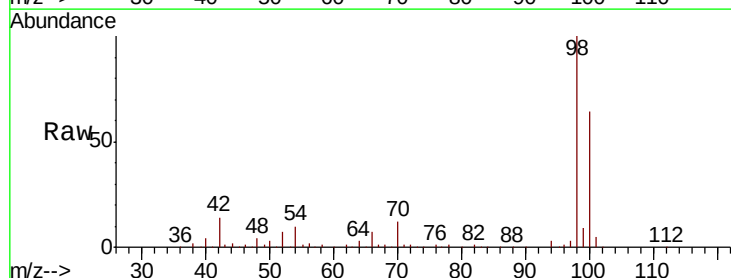
Acq: 24 Sep 2018 11:30

Tgt Ion: 98 Resp: 265719

Ion Ratio Lower Upper

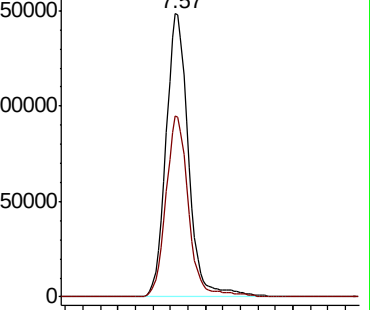
98 100

100 64.1 52.1 78.1

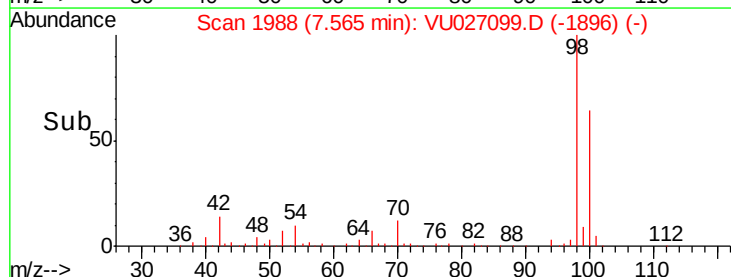


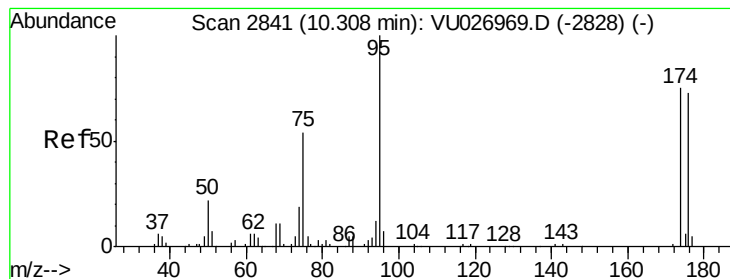
Abundance Ion 98.00 (97.70 to 98.70): VU026969.D (-1974) (-)

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



Time-->





#62

4-Bromofluorobenzene

Concen: 46.836 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027099.D

Acq: 24 Sep 2018 11:30

Instrument :

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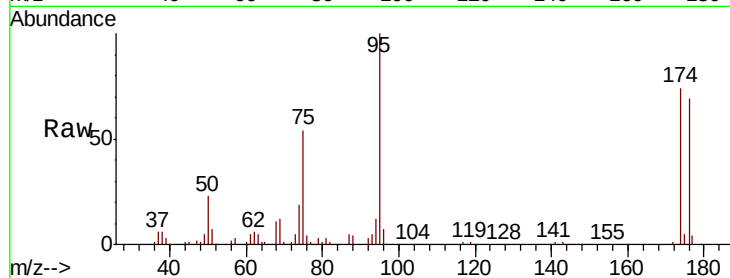
Tot Ion: 95 Resp: 87123

Ion Ratio Lower Upper

95 100

174 73.5 0.0 150.2

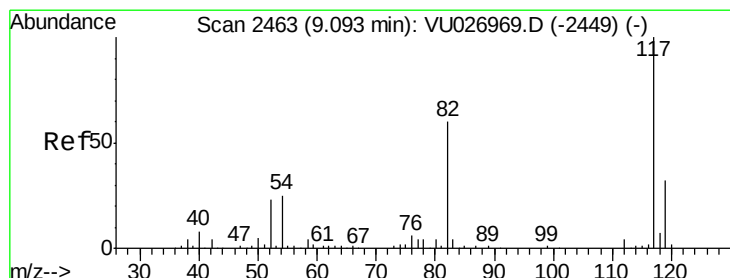
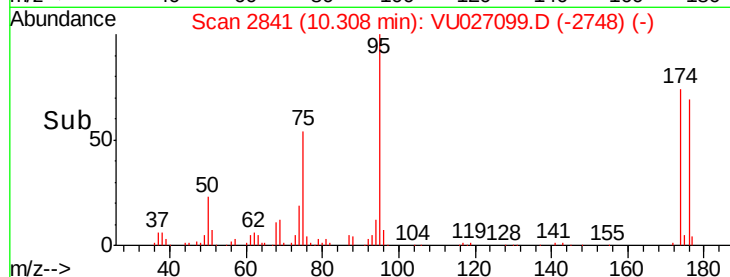
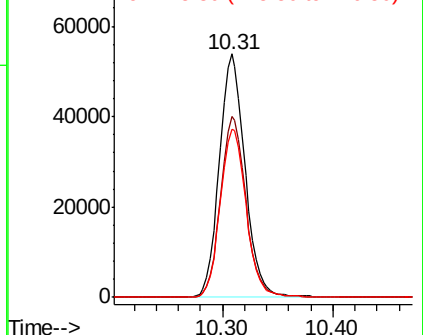
176 69.8 0.0 145.2



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU027099.D

Acq: 24 Sep 2018 11:30

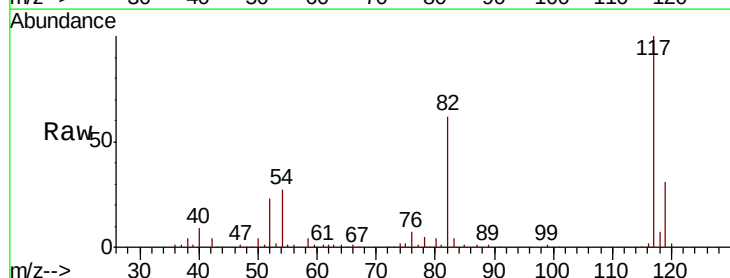
Tgt Ion: 117 Resp: 159410

Ion Ratio Lower Upper

117 100

82 62.2 48.0 72.0

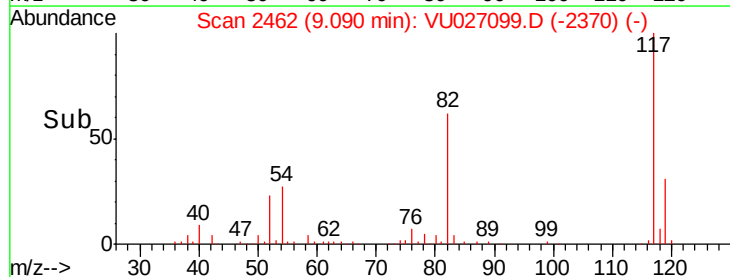
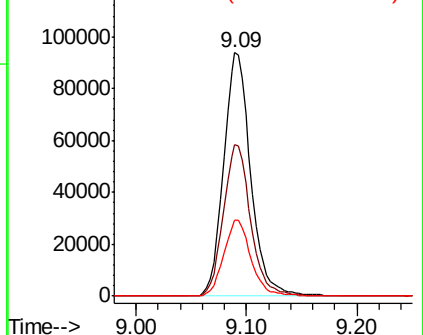
119 31.1 25.8 38.8

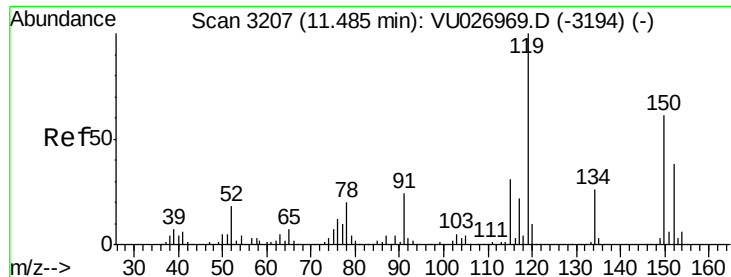


Abundance Ion 116.90 (116.60 to 117.60): VU026969.D (-2449) (-)

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

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



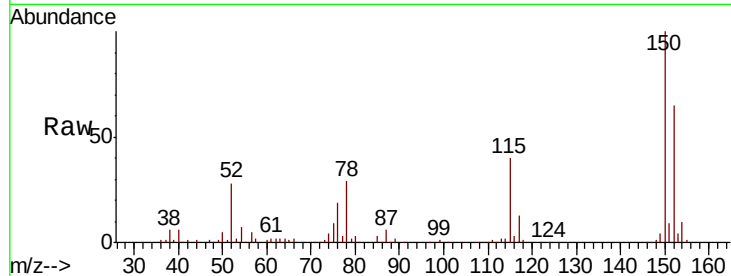


#72

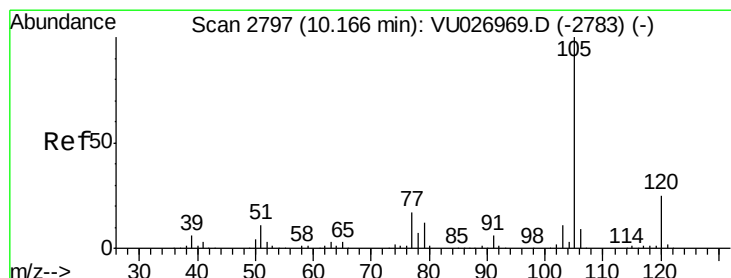
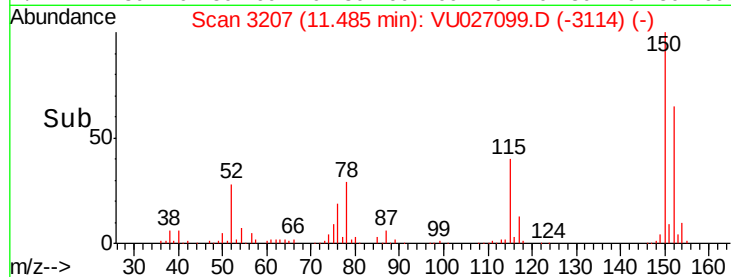
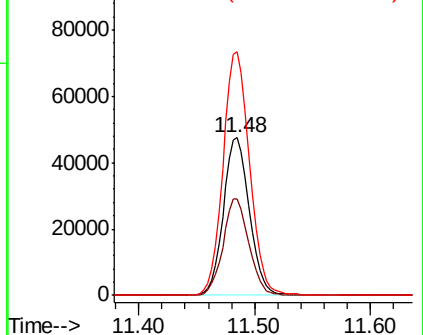
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027099.D
Acq: 24 Sep 2018 11:30

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ171I-20180916

Tot Ion:152 Resp: 73955
Ion Ratio Lower Upper
152 100
115 61.2 44.9 134.5
150 158.1 0.0 355.8



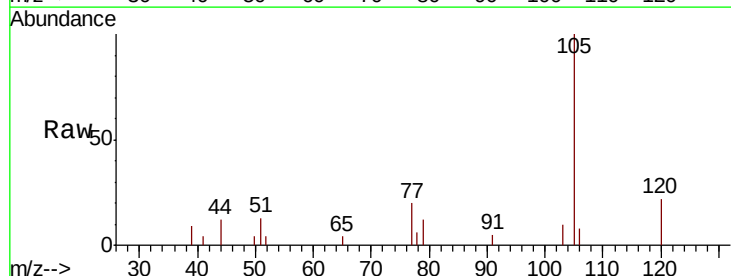
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



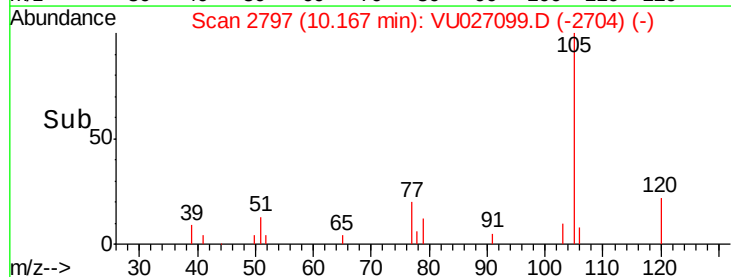
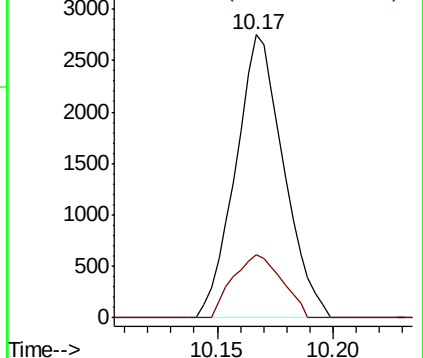
#73

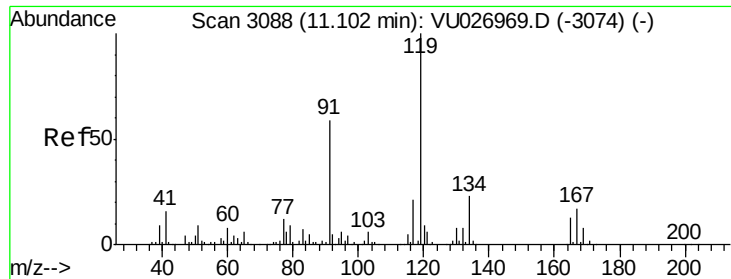
Isopropylbenzene
Concen: 0.706 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU027099.D
Acq: 24 Sep 2018 11:30

Tgt Ion:105 Resp: 3973
Ion Ratio Lower Upper
105 100
120 22.9 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

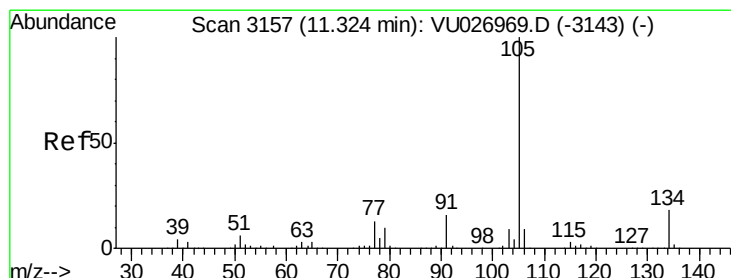
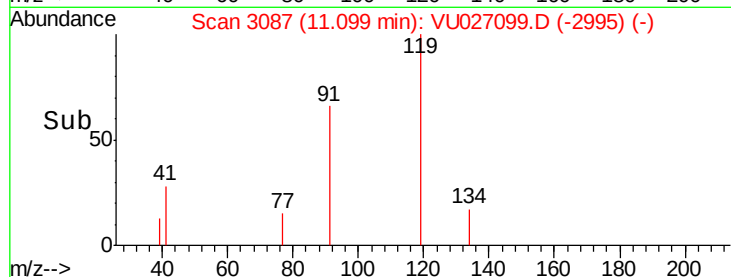
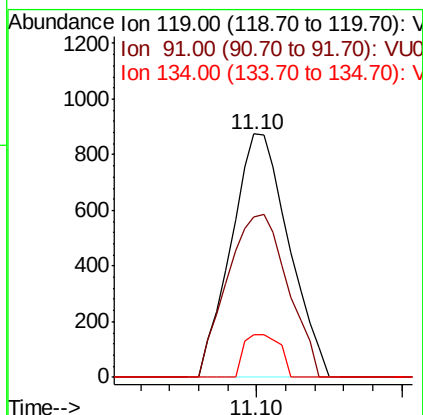
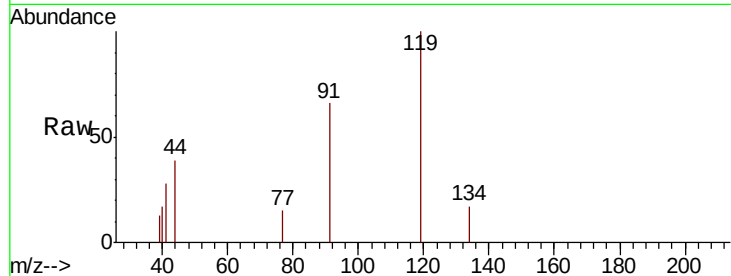




#83
tert-Butylbenzene
Concen: 0.262 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU027099.D
Acq: 24 Sep 2018 11:30

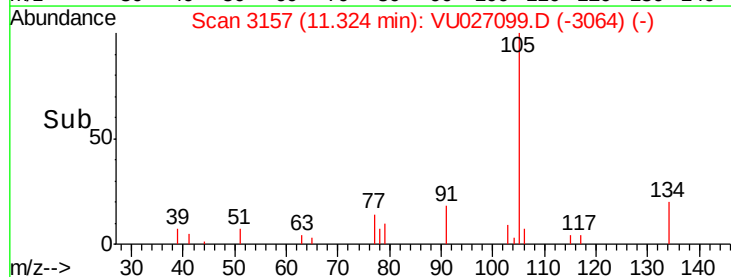
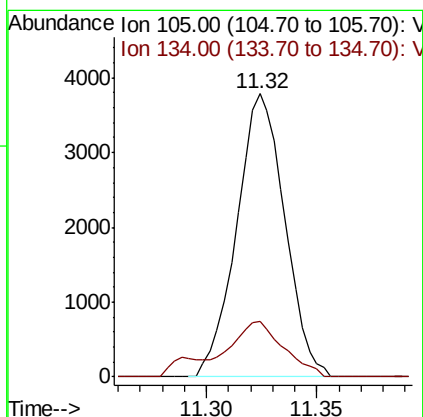
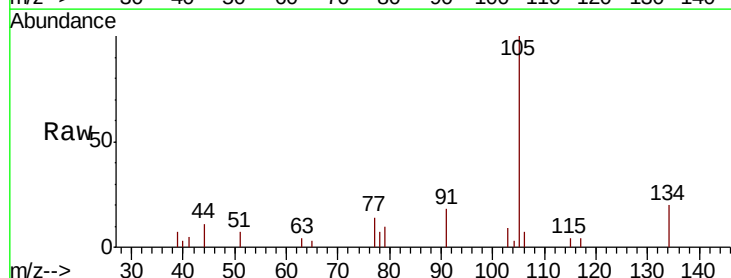
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ171I-20180916

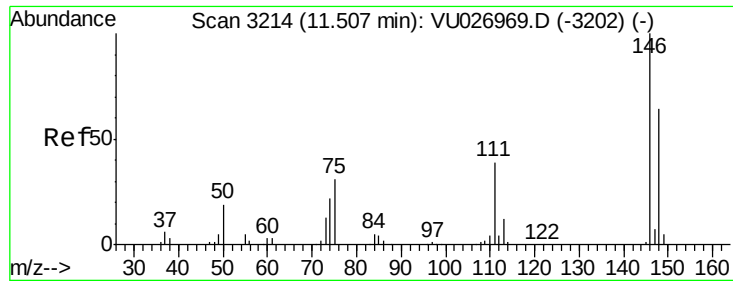
Tot Ion:119 Resp: 1203
Ion Ratio Lower Upper
119 100
91 70.7 29.8 89.4
134 11.1 11.5 34.4#



#85
sec-Butylbenzene
Concen: 1.022 ug/l
RT: 11.32 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VU027099.D
Acq: 24 Sep 2018 11:30

Tgt Ion:105 Resp: 5727
Ion Ratio Lower Upper
105 100
134 20.9 9.4 28.2

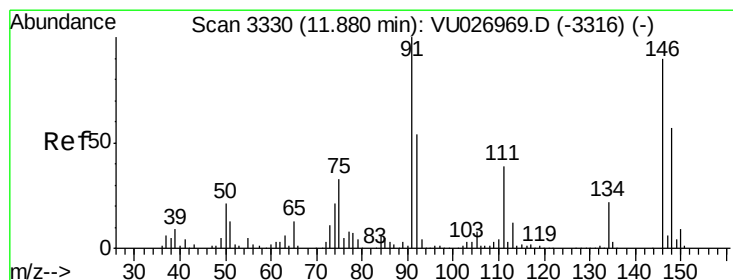
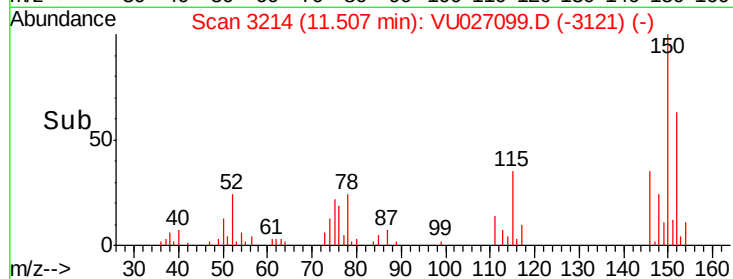
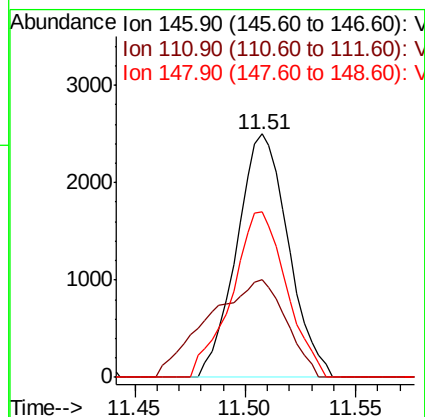
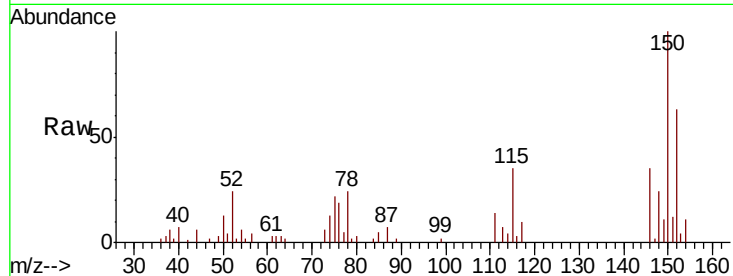




#88
 1,4-Dichlorobenzene
 Concen: 1.460 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027099.D
 Acq: 24 Sep 2018 11:30

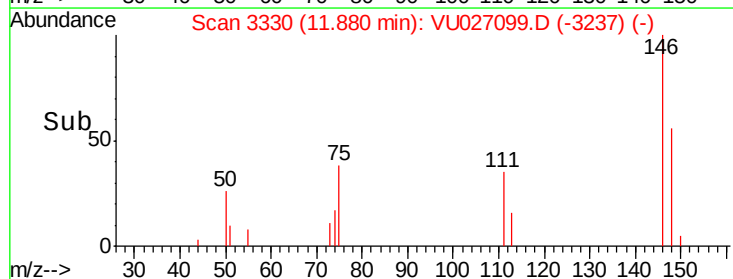
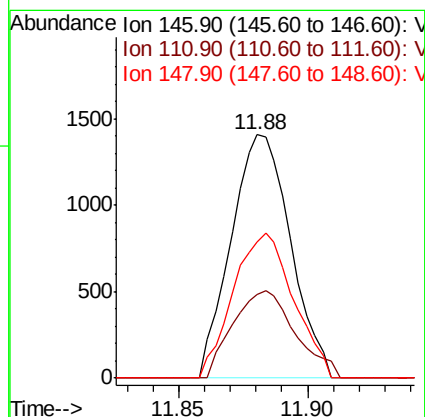
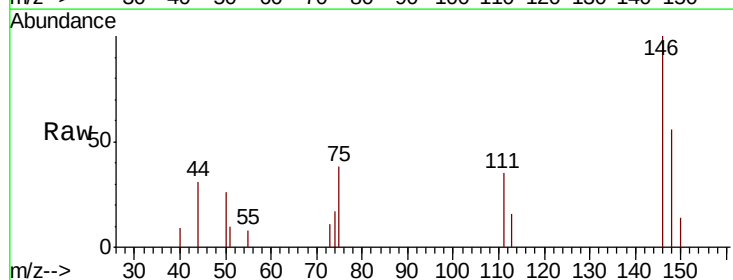
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ171I-20180916

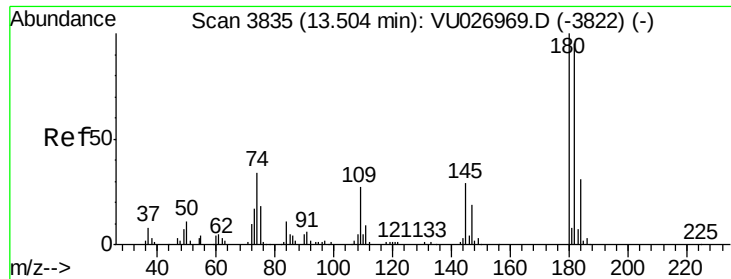
Tot Ion:146 Resp: 4072
 Ion Ratio Lower Upper
 146 100
 111 60.2 20.3 60.9
 148 71.8 31.9 95.9



#91
 1,2-Dichlorobenzene
 Concen: 0.829 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027099.D
 Acq: 24 Sep 2018 11:30

Tgt Ion:146 Resp: 2253
 Ion Ratio Lower Upper
 146 100
 111 38.0 21.8 65.3
 148 60.7 31.9 95.7





#93

1,2,4-Trichlorobenzene

Concen: 1.150 ug/l

RT: 13.51 min Scan# 3836

Delta R.T. 0.00 min

Lab File: VU027099.D

Acq: 24 Sep 2018 11:30

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ171I-20180916

Tot Ion:180 Resp: 1801

Ion Ratio Lower Upper

180 100

182 96.4 47.4 142.2

145 40.1 14.9 44.5

