

Data File : VU027019.D
Acq On : 22 Sep 2018 16:34
Operator : MD/SY
Sample : J4958-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 59 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BP-DUP02-20180914

Quant Time: Sep 24 02:51:20 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	93351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	153422	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	146114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	63426	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	92088	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
35) Dibromofluoromethane	4.88	113	64094	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
50) Toluene-d8	7.57	98	237496	46.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.72%	
62) 4-Bromofluorobenzene	10.31	95	75882	43.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.26%	

Target Compounds

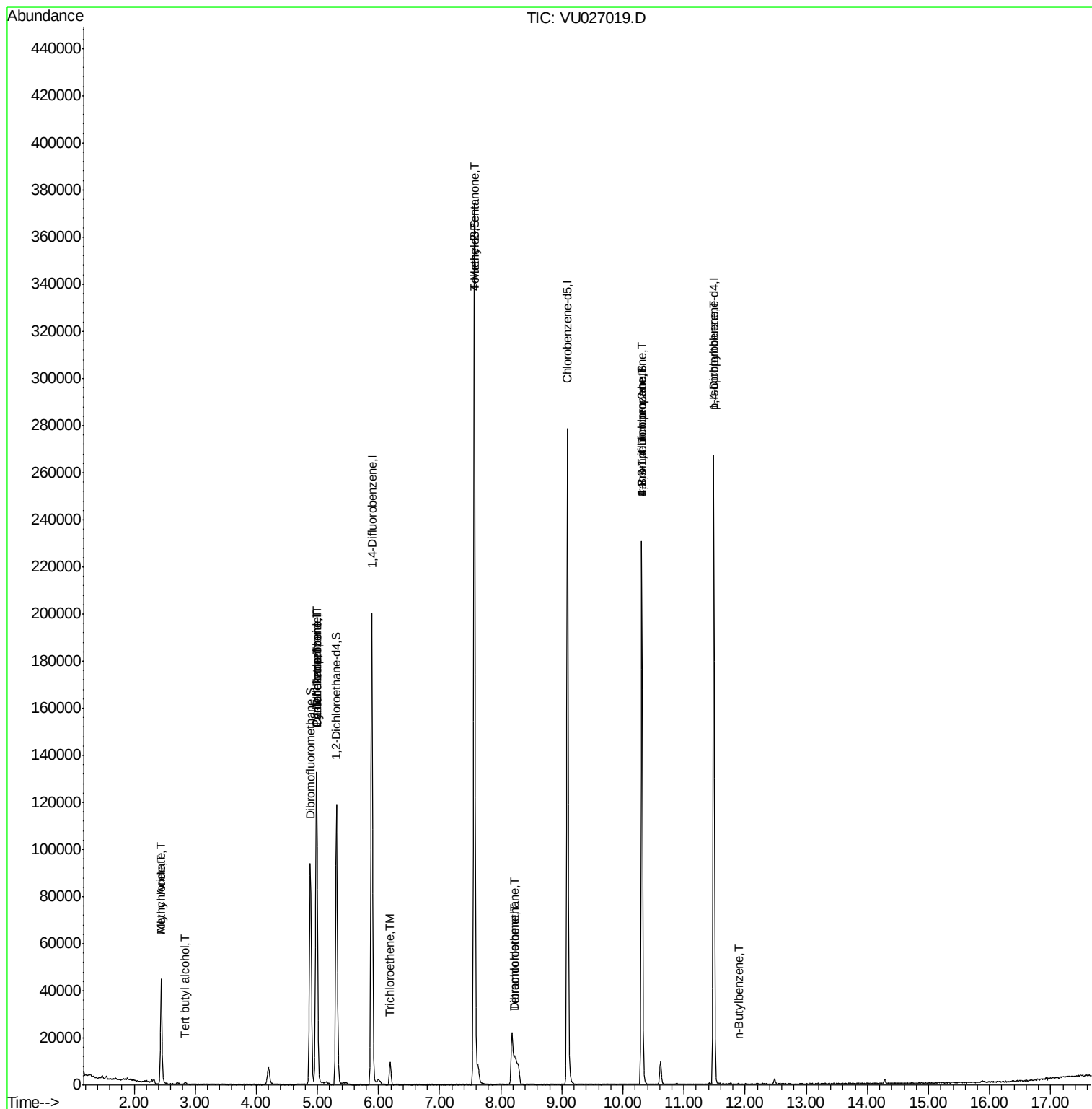
						Qvalue
11) Tert butyl alcohol	2.84	59	682	1.584	ug/l #	72
14) Allyl chloride	2.44	41	4561	1.744	ug/l #	70
16) Acetone	2.32	43	1811	Below Cal		100
18) Methyl Acetate	2.44	43	10821	4.046	ug/l #	55
31) Cyclohexane	4.99	56	2491	0.318	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	9053	4.421	ug/l #	49
38) Carbon Tetrachloride	4.99	117	9774	5.016	ug/l #	17
44) Trichloroethene	6.19	130	3652	2.756	ug/l	94
51) 4-Methyl-2-Pentanone	7.57	43	1183	0.435	ug/l #	1
60) Dibromochloromethane	8.23	129	453	0.305	ug/l #	11
64) Tetrachloroethene	8.23	164	445	0.395	ug/l	90
76) 1,2,3-Trichloropropane	10.31	75	41382	21.476	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	41382	68.728	ug/l #	100
86) p-Isopropyltoluene	11.48	119	20	0.932	ug/l #	1
89) n-Butylbenzene	11.89	91	66	2.407	ug/l #	33

(#) = 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: VU027019.D

Acq: 22 Sep 2018 16:34

Instrument :

MSVOA_U

ClientSampleId :

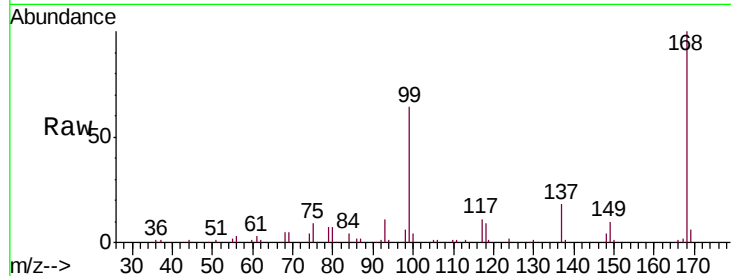
BP-DUP02-20180914

Tgt Ion:168 Resp: 93351

Ion Ratio Lower Upper

168 100

99 63.9 48.1 72.1

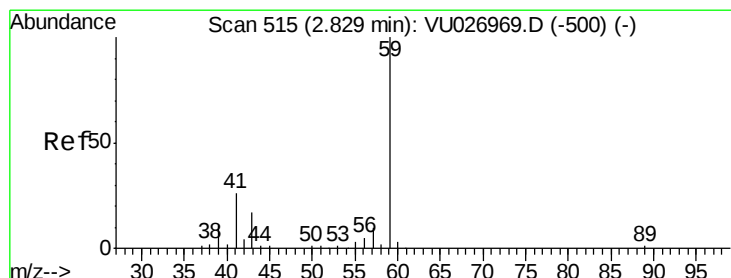
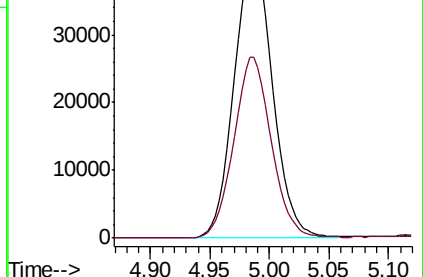
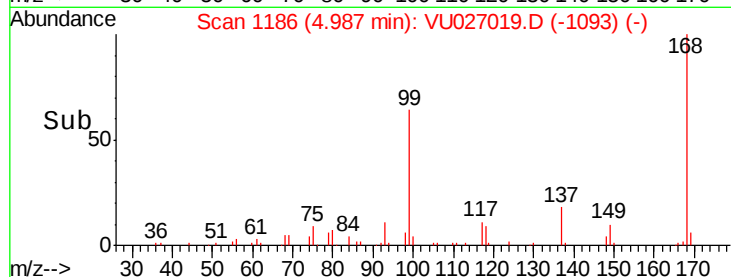


Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

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

4.99

Time-->



#11

Tert butyl alcohol

Concen: 1.584 ug/l

RT: 2.84 min Scan# 515

Delta R.T. 0.01 min

Lab File: VU027019.D

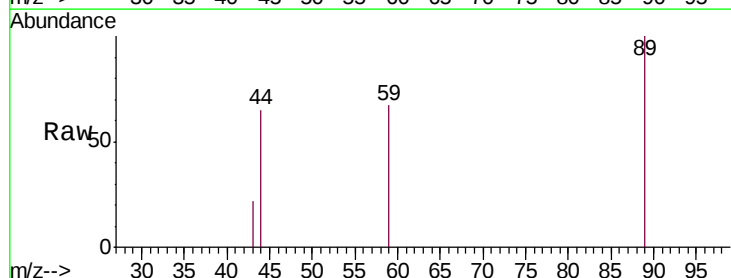
Acq: 22 Sep 2018 16:34

Tgt Ion: 59 Resp: 682

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#

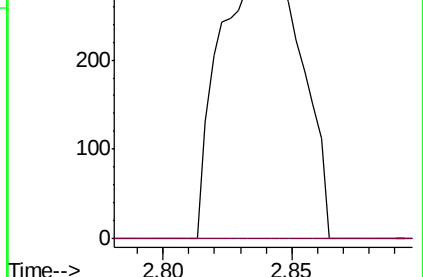
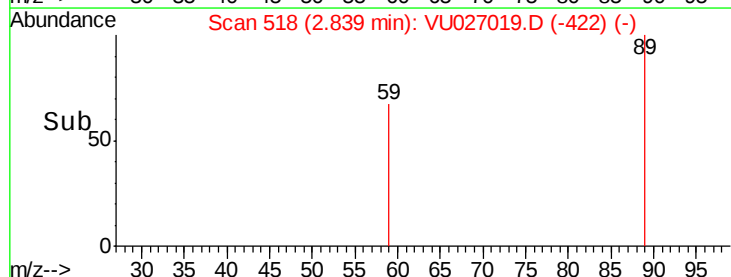


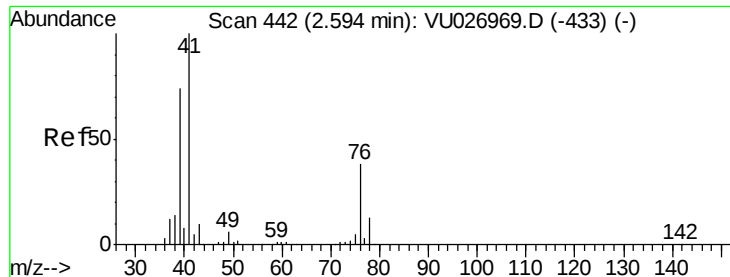
Abundance Ion 59.00 (58.70 to 59.70): VU026969.D (-500) (-)

Ion 57.00 (56.70 to 57.70): VU026969.D (-500) (-)

2.84

Time-->

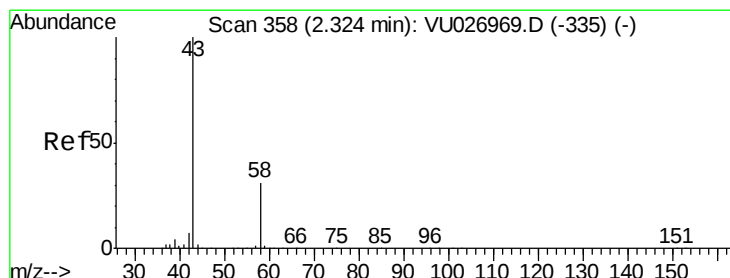
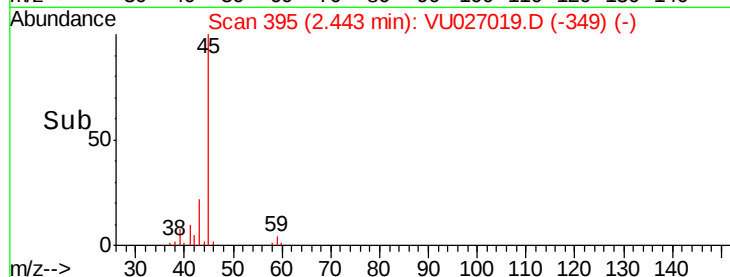
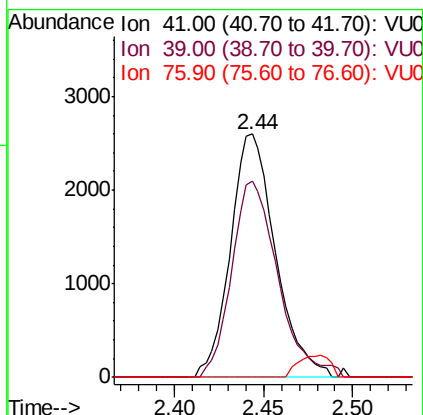
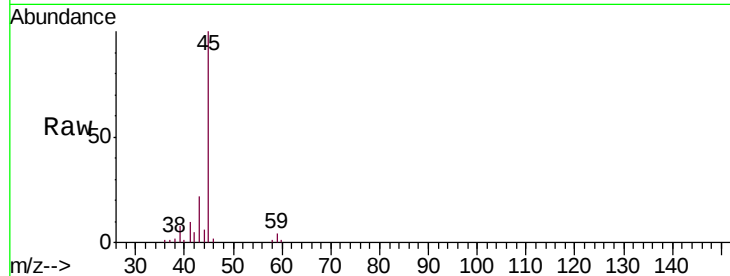




#14
 Allyl chloride
 Concen: 1.744 ug/l
 RT: 2.44 min Scan# 395
 Delta R.T. -0.15 min
 Lab File: VU027019.D
 Acq: 22 Sep 2018 16:34

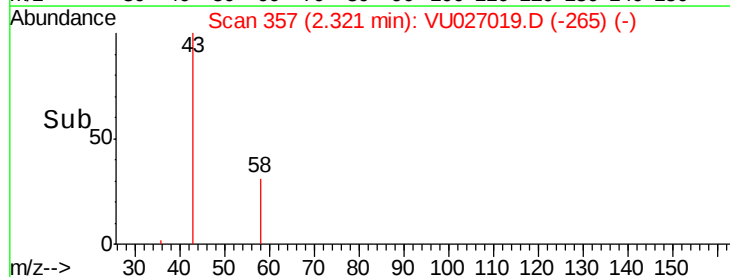
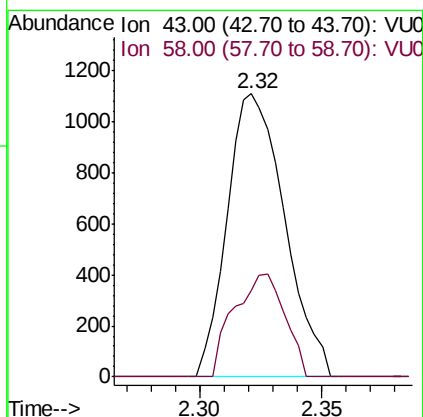
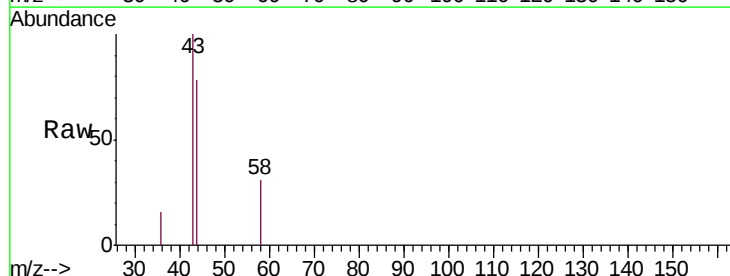
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-DUP02-20180914

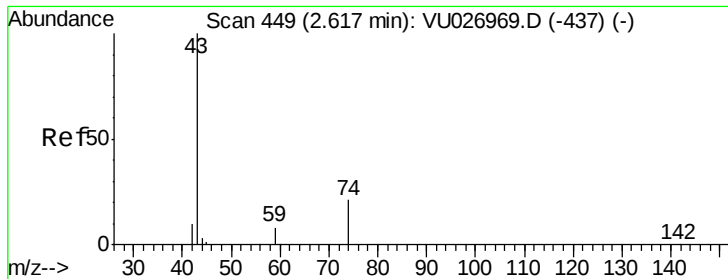
Tgt Ion: 41 Resp: 4561
 Ion Ratio Lower Upper
 41 100
 39 83.1 55.7 83.5
 76 0.0 26.5 39.7#



#16
 Acetone
 Concen: Below Cal
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU027019.D
 Acq: 22 Sep 2018 16:34

Tgt Ion: 43 Resp: 1811
 Ion Ratio Lower Upper
 43 100
 58 30.6 24.6 36.8

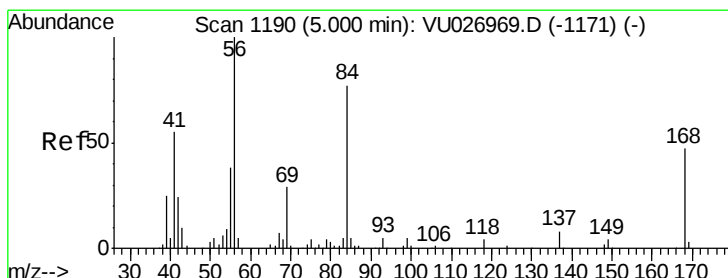
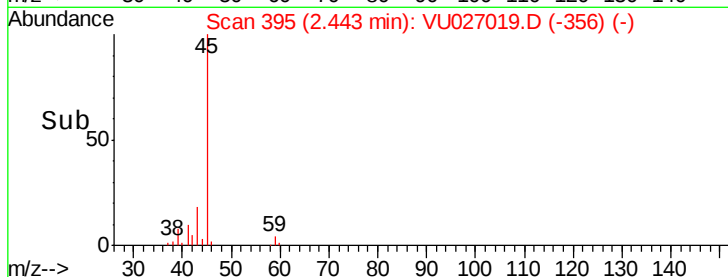
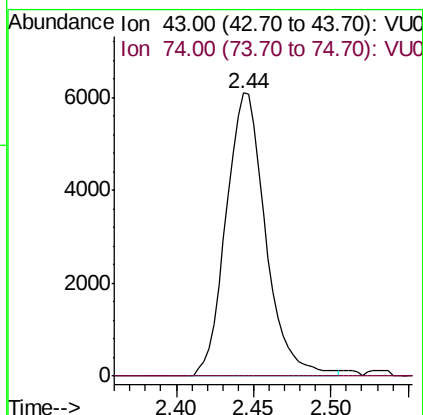
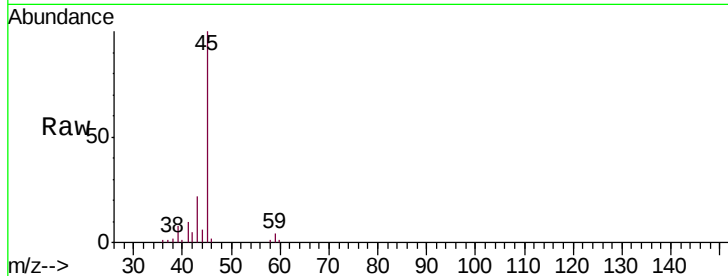




#18
Methyl Acetate
Concen: 4.046 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU027019.D
Acq: 22 Sep 2018 16:34

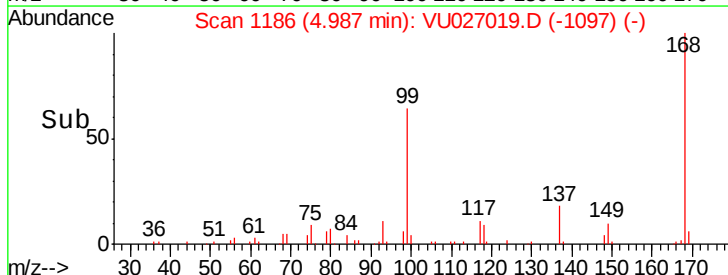
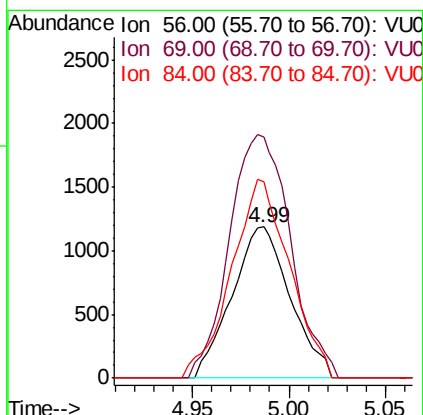
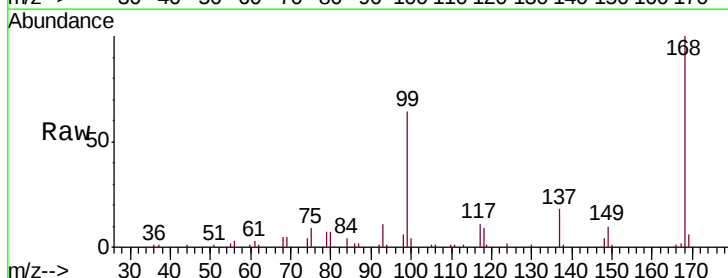
Instrument :
MSVOA_U
ClientSampleId :
BP-DUP02-20180914

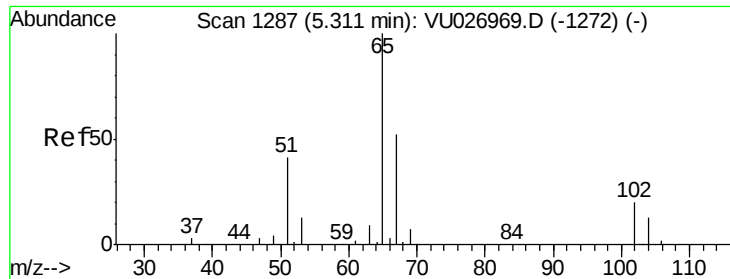
Tgt Ion: 43 Resp: 10821
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



#31
Cyclohexane
Concen: 0.318 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027019.D
Acq: 22 Sep 2018 16:34

Tgt Ion: 56 Resp: 2491
Ion Ratio Lower Upper
56 100
69 159.0 23.0 34.4#
84 129.6 61.4 92.2#

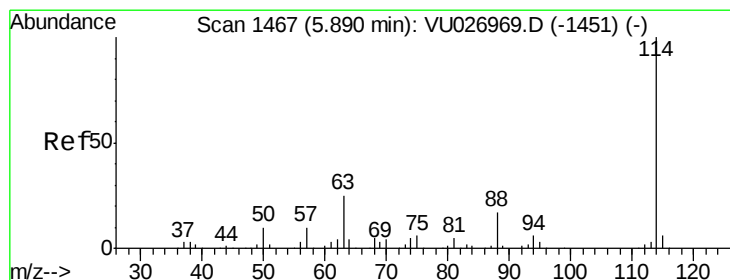
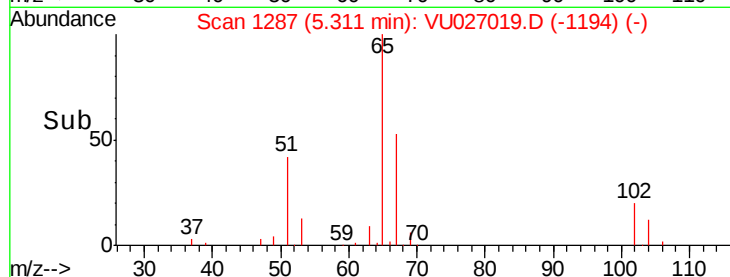
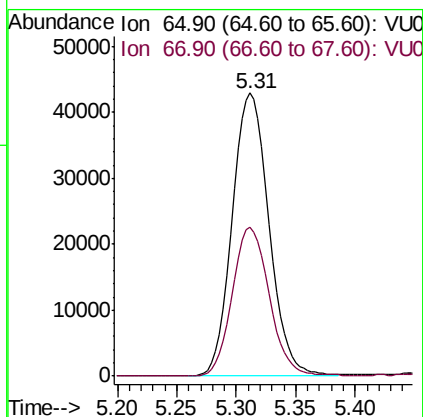
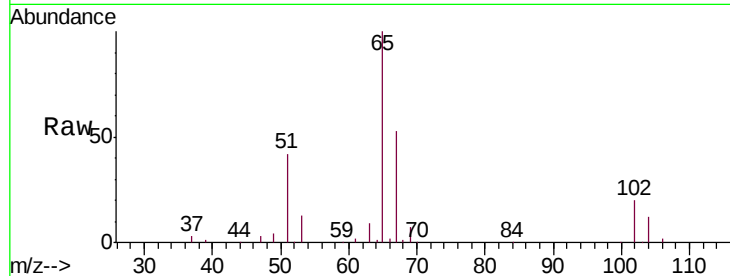




#33
 1,2-Dichloroethane-d4
 Concen: 49.013 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027019.D
 Acq: 22 Sep 2018 16:34

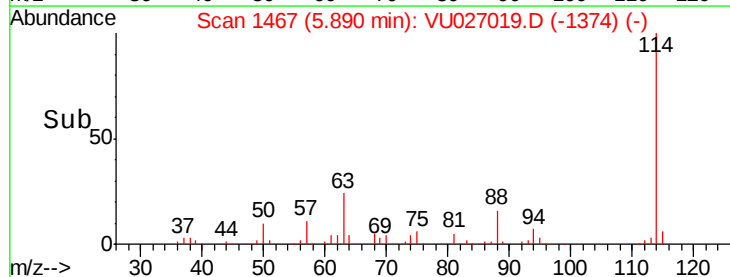
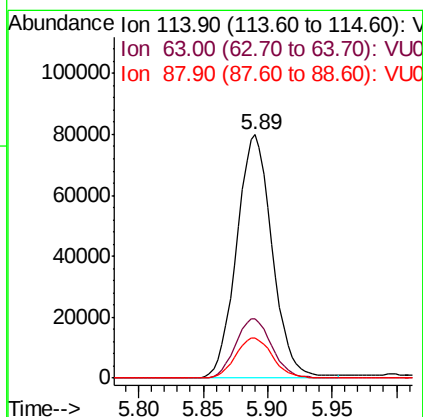
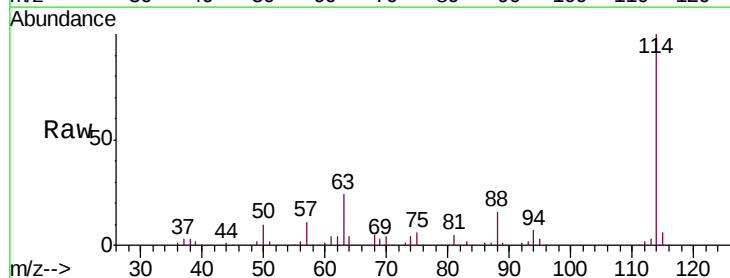
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-DUP02-20180914

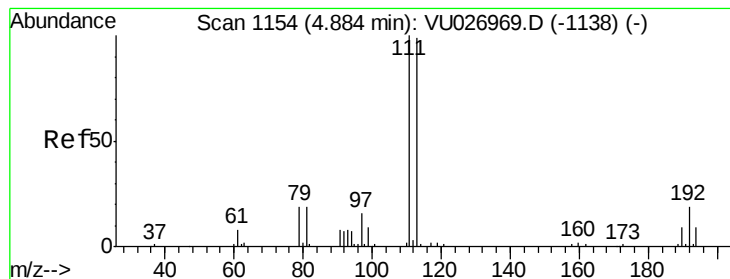
Tgt Ion: 65 Resp: 92088
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027019.D
 Acq: 22 Sep 2018 16:34

Tgt Ion: 114 Resp: 153422
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 49.2
 88 16.3 0.0 33.8





#35

Dibromofluoromethane

Concen: 48.196 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027019.D

Acq: 22 Sep 2018 16:34

Instrument :

MSVOA_U

ClientSampleId :

BP-DUP02-20180914

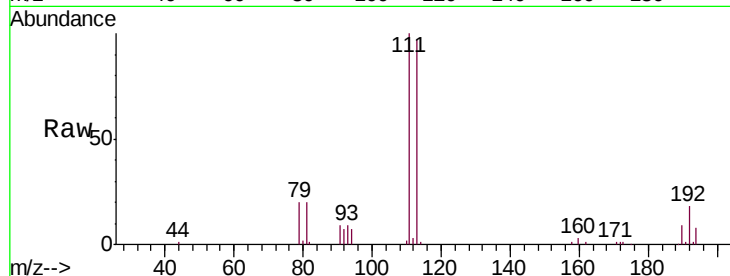
Tgt Ion:113 Resp: 64094

Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.4

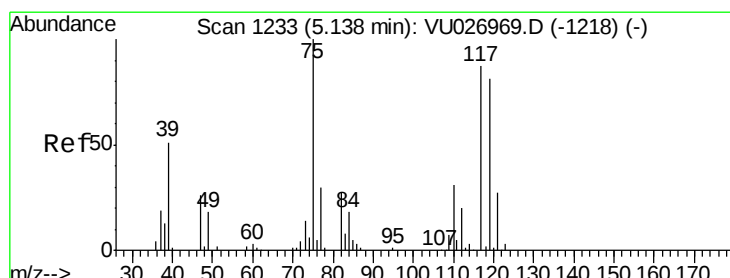
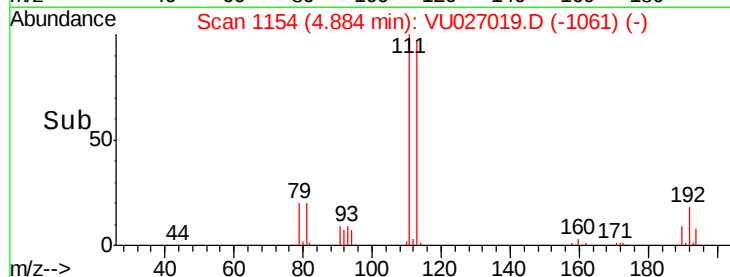
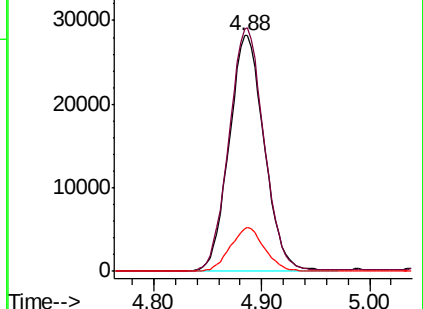
192 18.0 15.2 22.8



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: 4.421 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027019.D

Acq: 22 Sep 2018 16:34

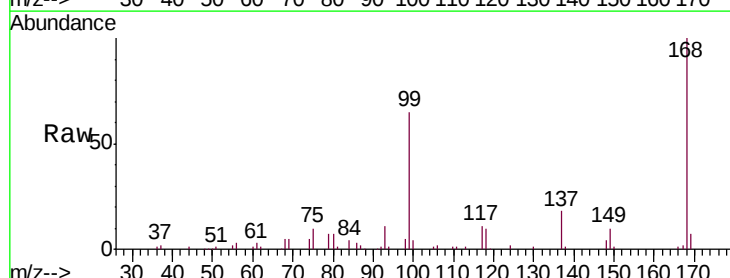
Tgt Ion: 75 Resp: 9053

Ion Ratio Lower Upper

75 100

110 6.5 16.1 48.2#

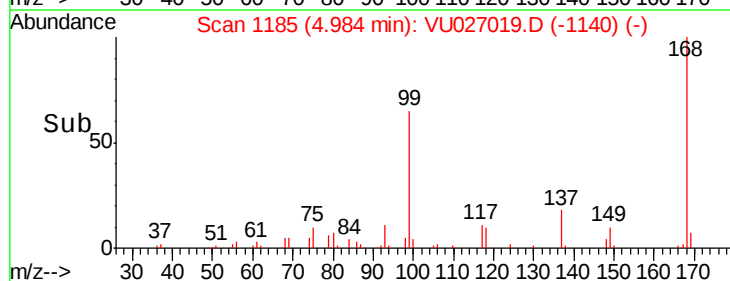
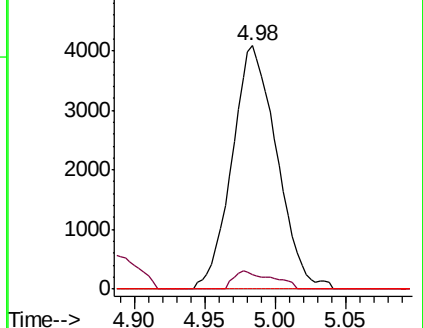
77 0.0 24.6 36.8#

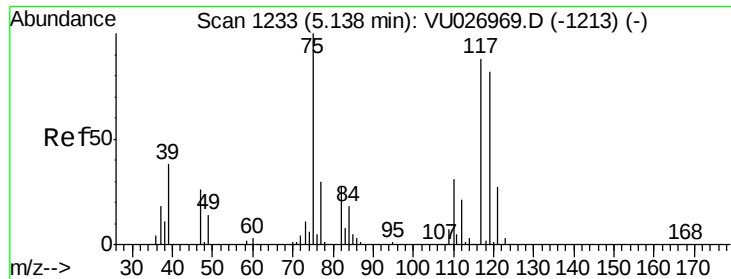


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

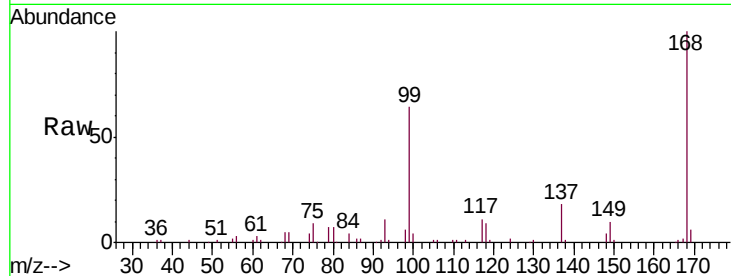




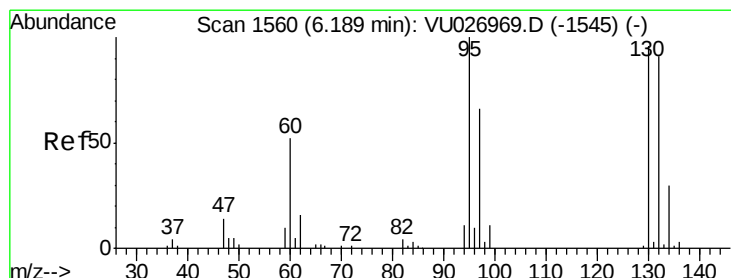
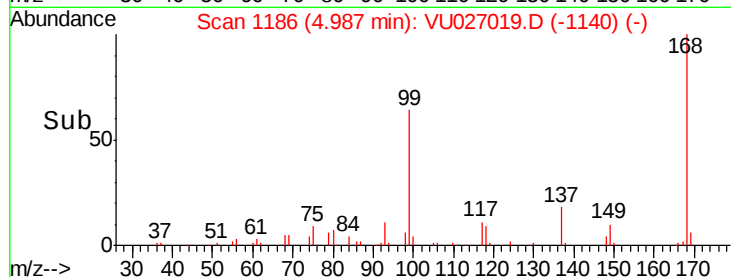
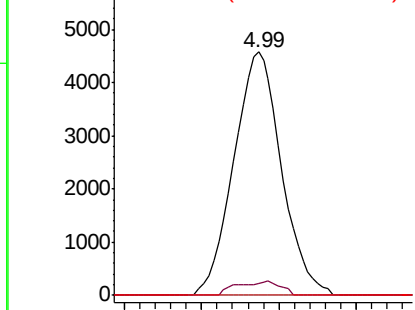
#38
Carbon Tetrachloride
Concen: 5.016 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027019.D
Acq: 22 Sep 2018 16:34

Instrument :
MSVOA_U
ClientSampleId :
BP-DUP02-20180914

Tgt Ion:117 Resp: 9774
Ion Ratio Lower Upper
117 100
119 4.8 74.4 111.6#
121 0.0 24.2 36.4#

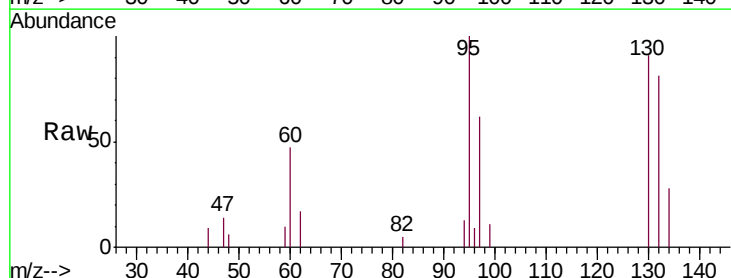


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

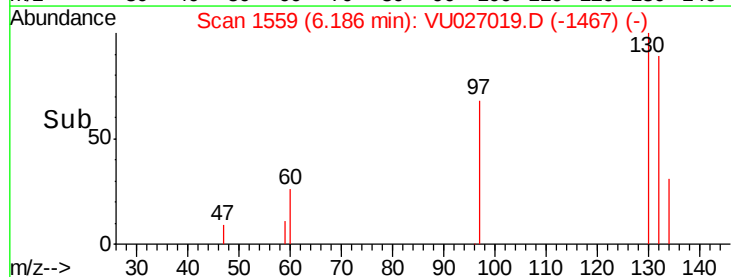
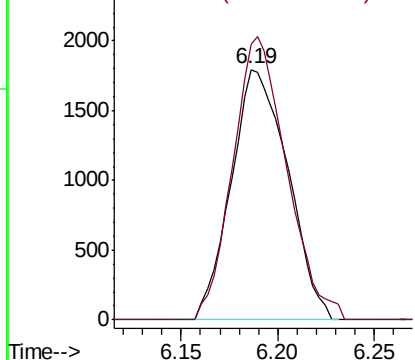


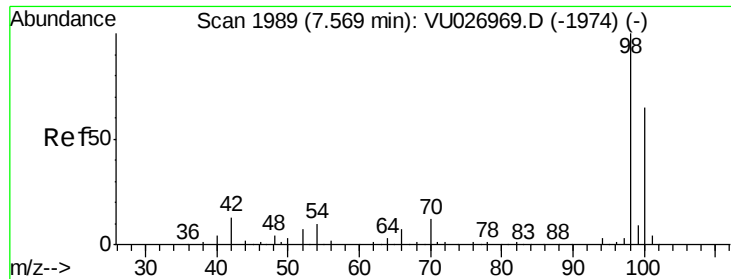
#44
Trichloroethene
Concen: 2.756 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU027019.D
Acq: 22 Sep 2018 16:34

Tgt Ion:130 Resp: 3652
Ion Ratio Lower Upper
130 100
95 110.1 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VU0





#50

Toluene-d8

Concen: 46.860 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027019.D

Acq: 22 Sep 2018 16:34

Instrument :

MSVOA_U

ClientSampleId :

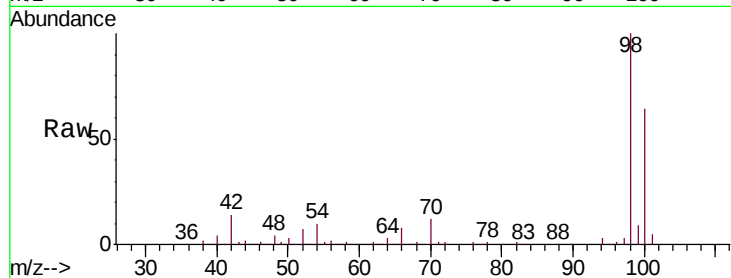
BP-DUP02-20180914

Tgt Ion: 98 Resp: 237496

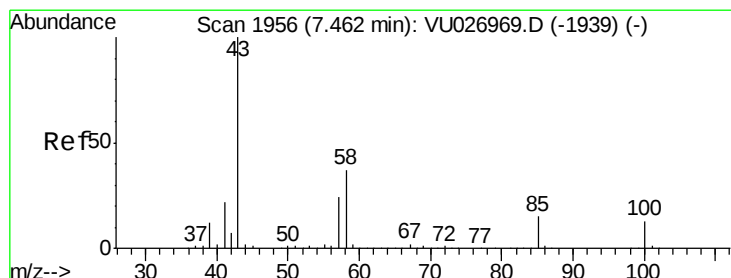
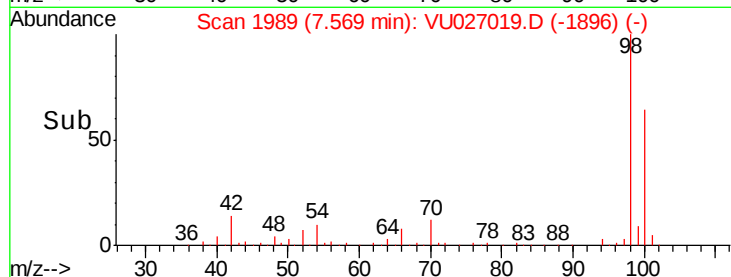
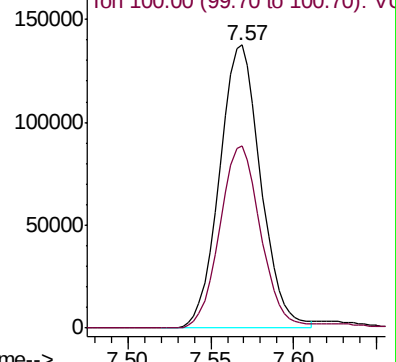
Ion Ratio Lower Upper

98 100

100 63.9 52.1 78.1



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



#51

4-Methyl-2-Pentanone

Concen: 0.435 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.10 min

Lab File: VU027019.D

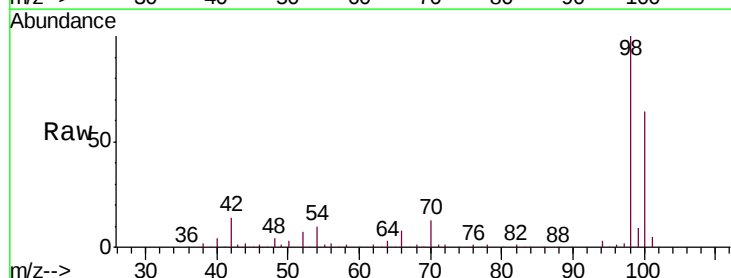
Acq: 22 Sep 2018 16:34

Tgt Ion: 43 Resp: 1183

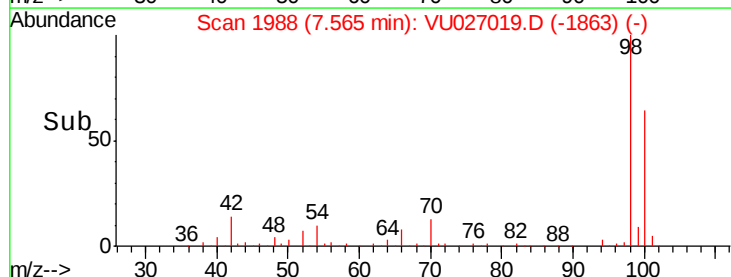
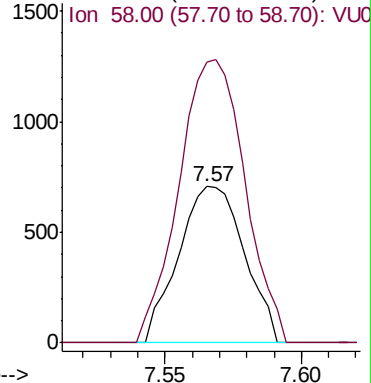
Ion Ratio Lower Upper

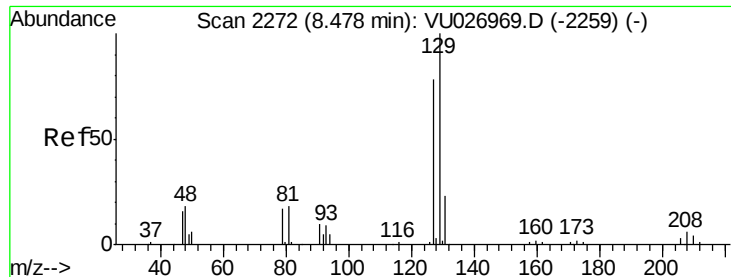
43 100

58 181.7 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1939) (-)

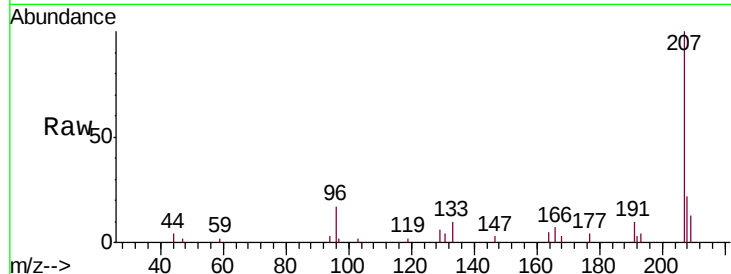




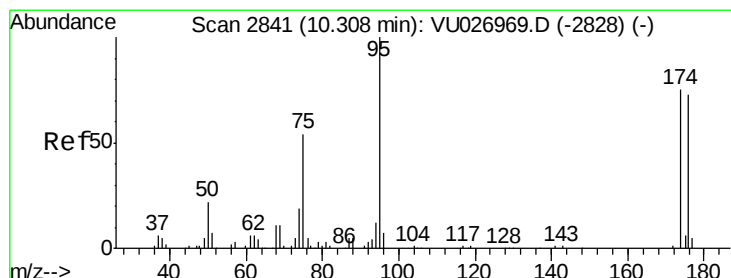
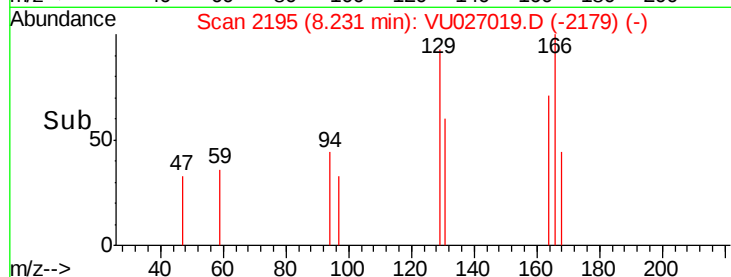
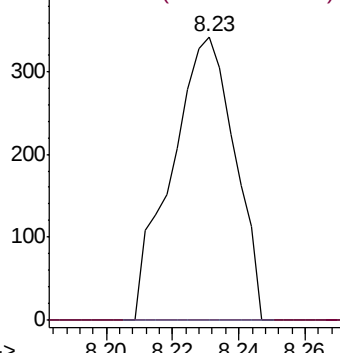
#60
Dibromochloromethane
Concen: 0.305 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. -0.25 min
Lab File: VU027019.D
Acq: 22 Sep 2018 16:34

Instrument :
MSVOA_U
ClientSampleId :
BP-DUP02-20180914

Tgt Ion: 129 Resp: 453
Ion Ratio Lower Upper
129 100
127 0.0 38.1 114.5#

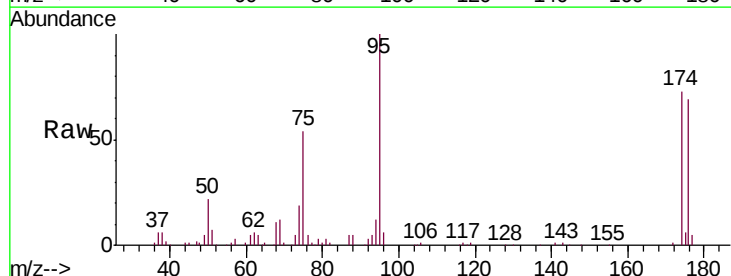


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

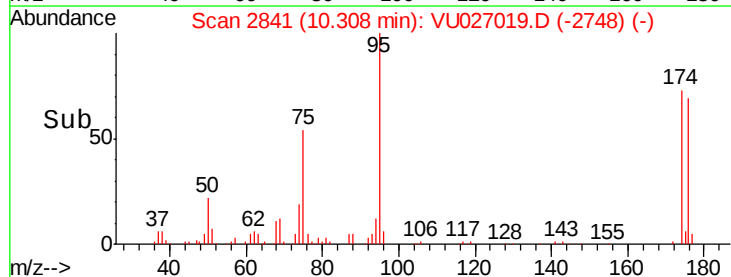
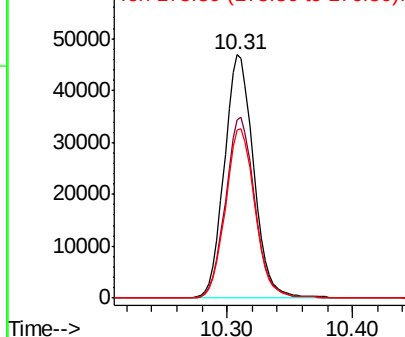


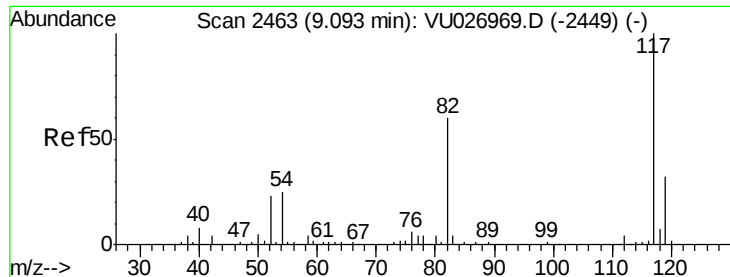
#62
4-Bromofluorobenzene
Concen: 43.634 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027019.D
Acq: 22 Sep 2018 16:34

Tgt Ion: 95 Resp: 75882
Ion Ratio Lower Upper
95 100
174 74.6 0.0 150.2
176 70.3 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

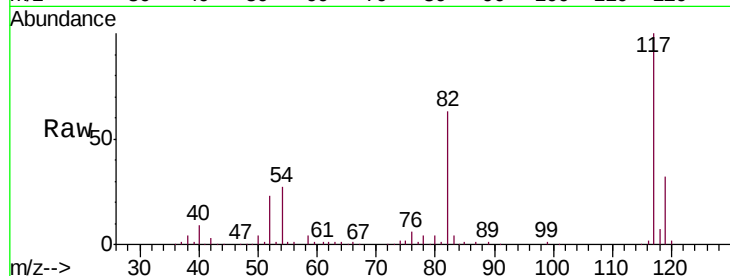




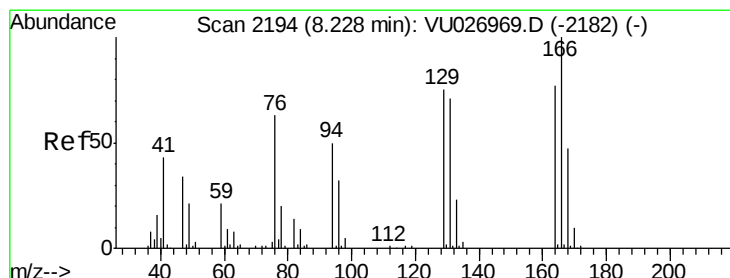
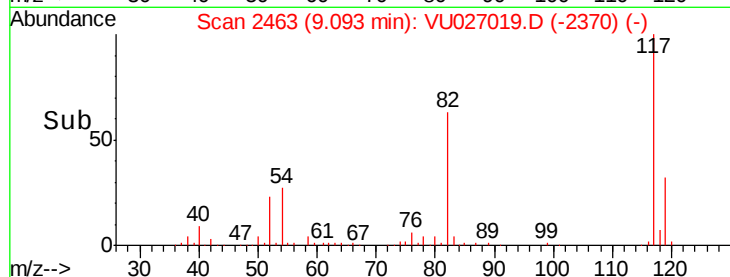
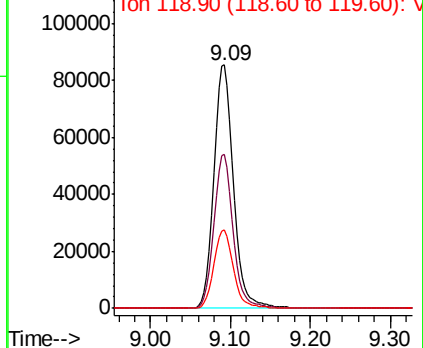
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027019.D
Acq: 22 Sep 2018 16:34

Instrument :
MSVOA_U
ClientSampleId :
BP-DUP02-20180914

Tgt Ion:117 Resp: 146114
Ion Ratio Lower Upper
117 100
82 63.3 48.0 72.0
119 32.3 25.8 38.8



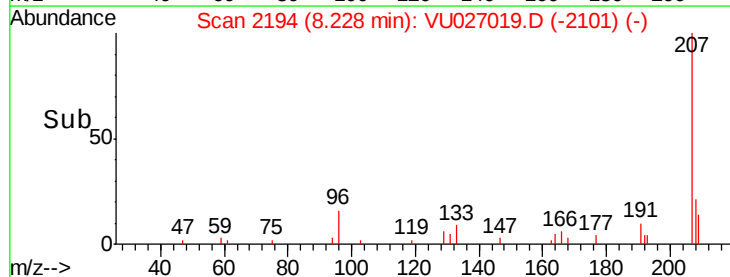
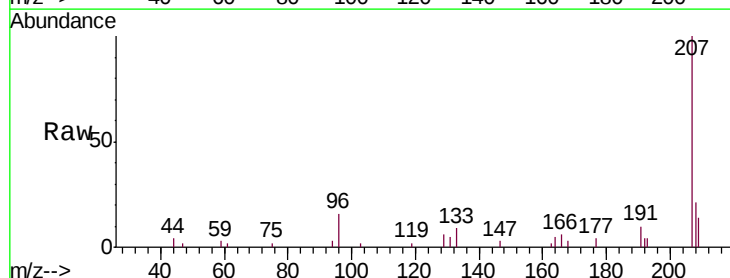
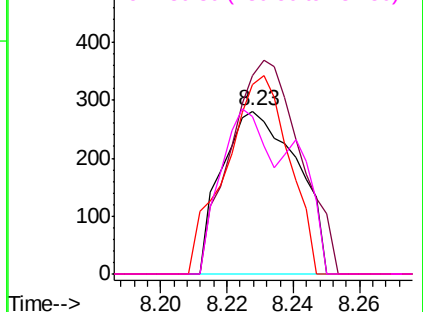
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU027019.D (-2370) (-)
Ion 118.90 (118.60 to 119.60): V

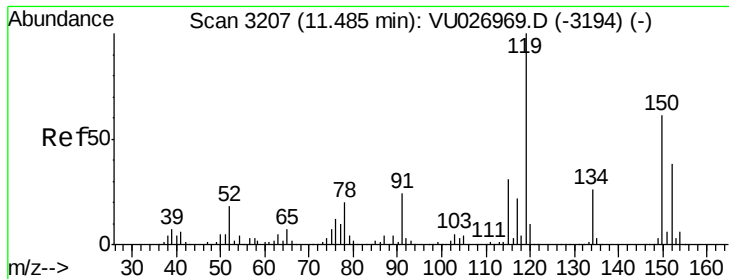


#64
Tetrachloroethene
Concen: 0.395 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027019.D
Acq: 22 Sep 2018 16:34

Tgt Ion:164 Resp: 445
Ion Ratio Lower Upper
164 100
166 122.1 104.4 156.6
129 116.7 78.7 118.1
131 96.4 73.9 110.9

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VU027019.D

Acq: 22 Sep 2018 16:34

Instrument :

MSVOA_U

ClientSampleId :

BP-DUP02-20180914

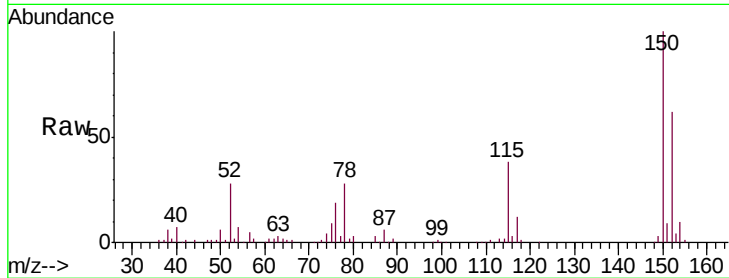
Tgt Ion:152 Resp: 63426

Ion Ratio Lower Upper

152 100

115 61.1 44.9 134.5

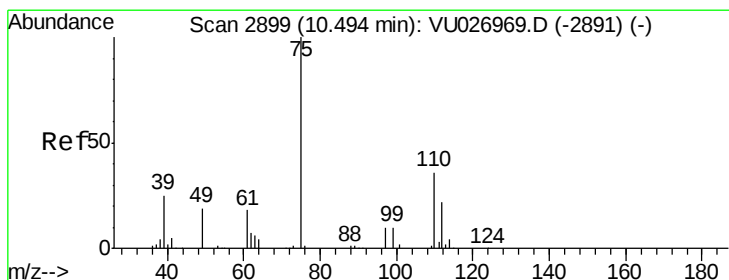
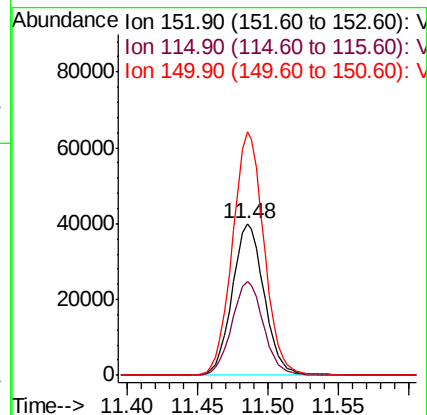
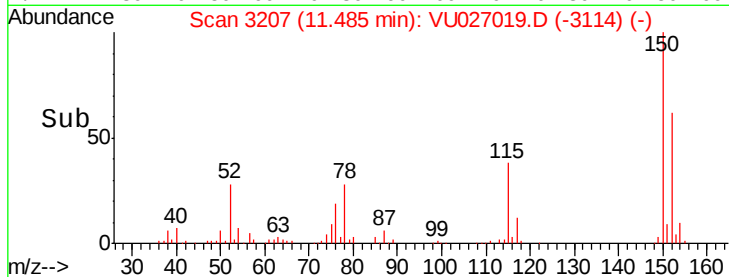
150 158.8 0.0 355.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.476 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027019.D

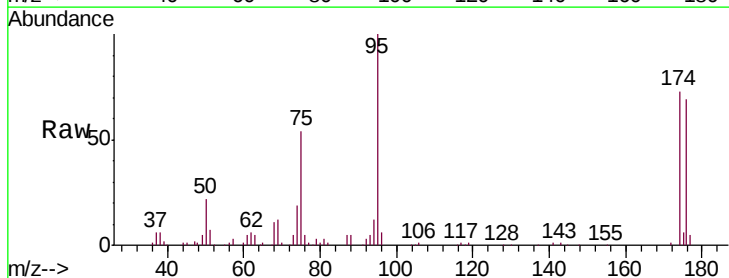
Acq: 22 Sep 2018 16:34

Tgt Ion: 75 Resp: 41382

Ion Ratio Lower Upper

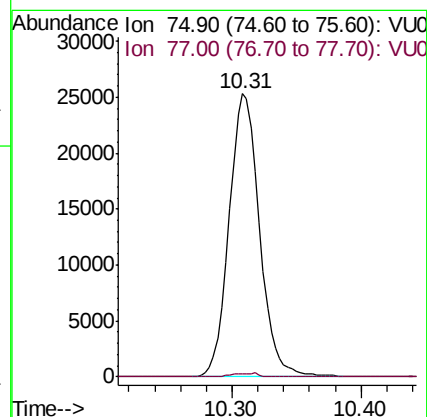
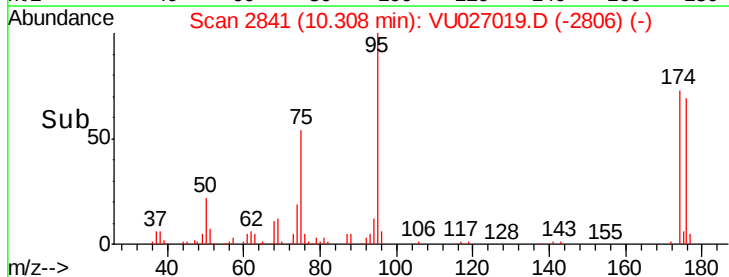
75 100

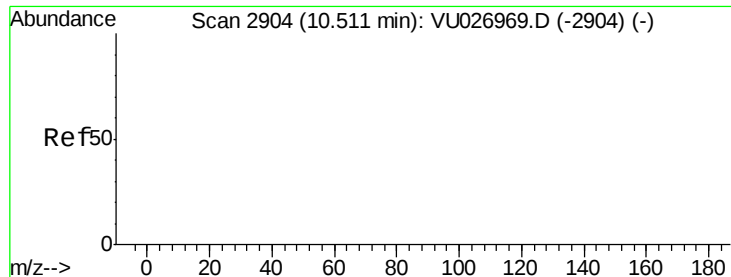
77 1.0 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

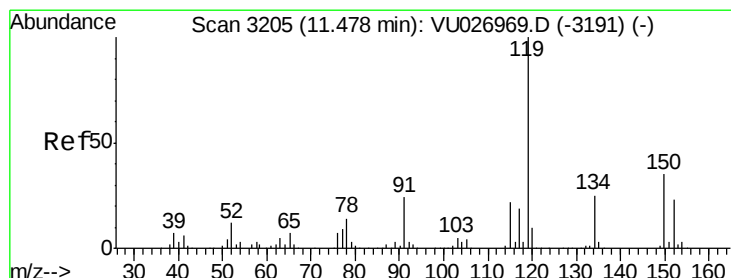
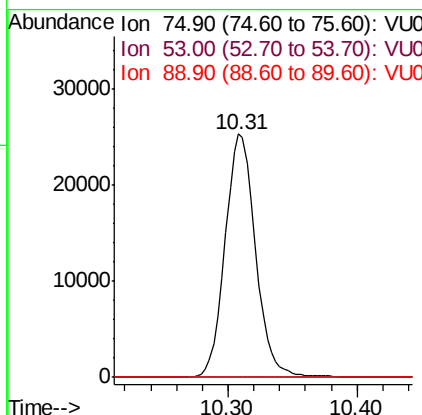
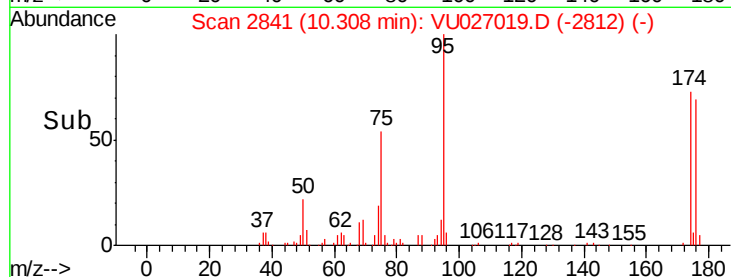
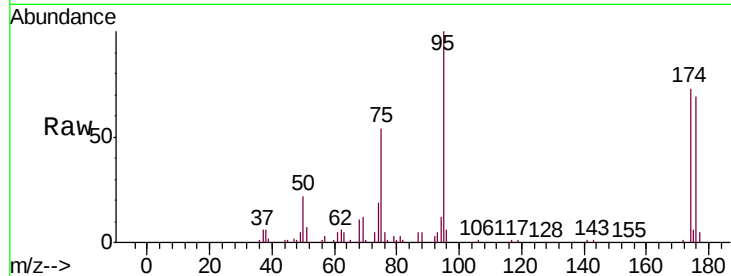




#81
trans-1,4-Dichloro-2-butene
Concen: 68.728 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.21 min
Lab File: VU027019.D
Acq: 22 Sep 2018 16:34

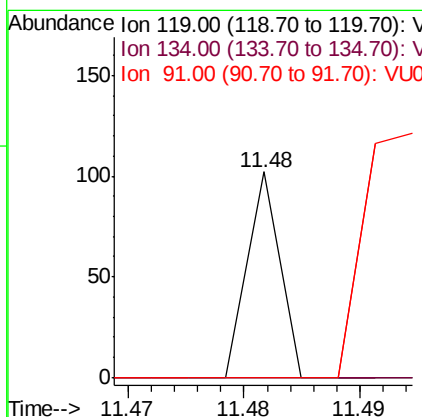
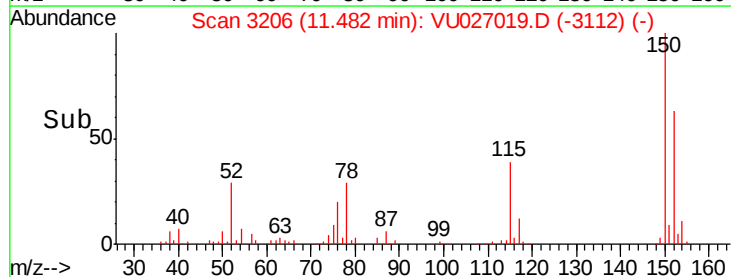
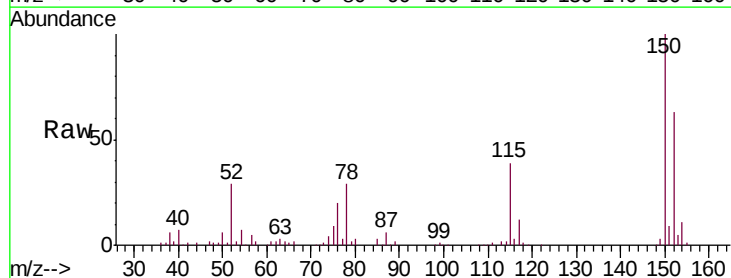
Instrument :
MSVOA_U
ClientSampleId :
BP-DUP02-20180914

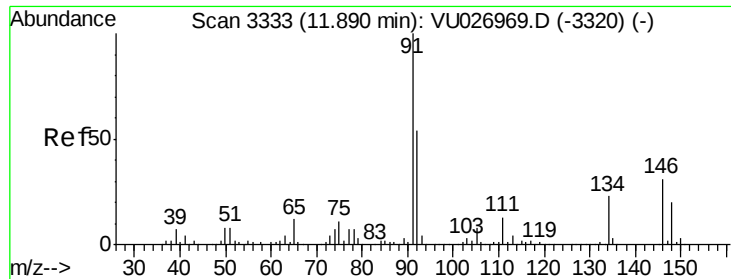
Tgt Ion: 75 Resp: 41382
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#86
p-Isopropyltoluene
Concen: 0.932 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU027019.D
Acq: 22 Sep 2018 16:34

Tgt Ion: 119 Resp: 20
Ion Ratio Lower Upper
119 100
134 0.0 12.8 38.3#
91 230.0 12.3 36.8#





#89

n-Butylbenzene

Concen: 2.407 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU027019.D

Acq: 22 Sep 2018 16:34

Instrument :

MSVOA_U

ClientSampleId :

BP-DUP02-20180914

Tgt Ion: 91 Resp: 66

Ion Ratio Lower Upper

91 100

92 0.0 27.1 81.2#

134 0.0 11.7 35.0#

