

Data File : VU027008.D
Acq On : 22 Sep 2018 09:37
Operator : MD/SY
Sample : J4958-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BP-DUP02-20180914

Quant Time: Sep 24 02:46:53 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	71817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	147393	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	151016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71913	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	89968	62.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.48%	
35) Dibromofluoromethane	4.89	113	66207	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
50) Toluene-d8	7.57	98	234824	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
62) 4-Bromofluorobenzene	10.31	95	81802	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	

Target Compounds

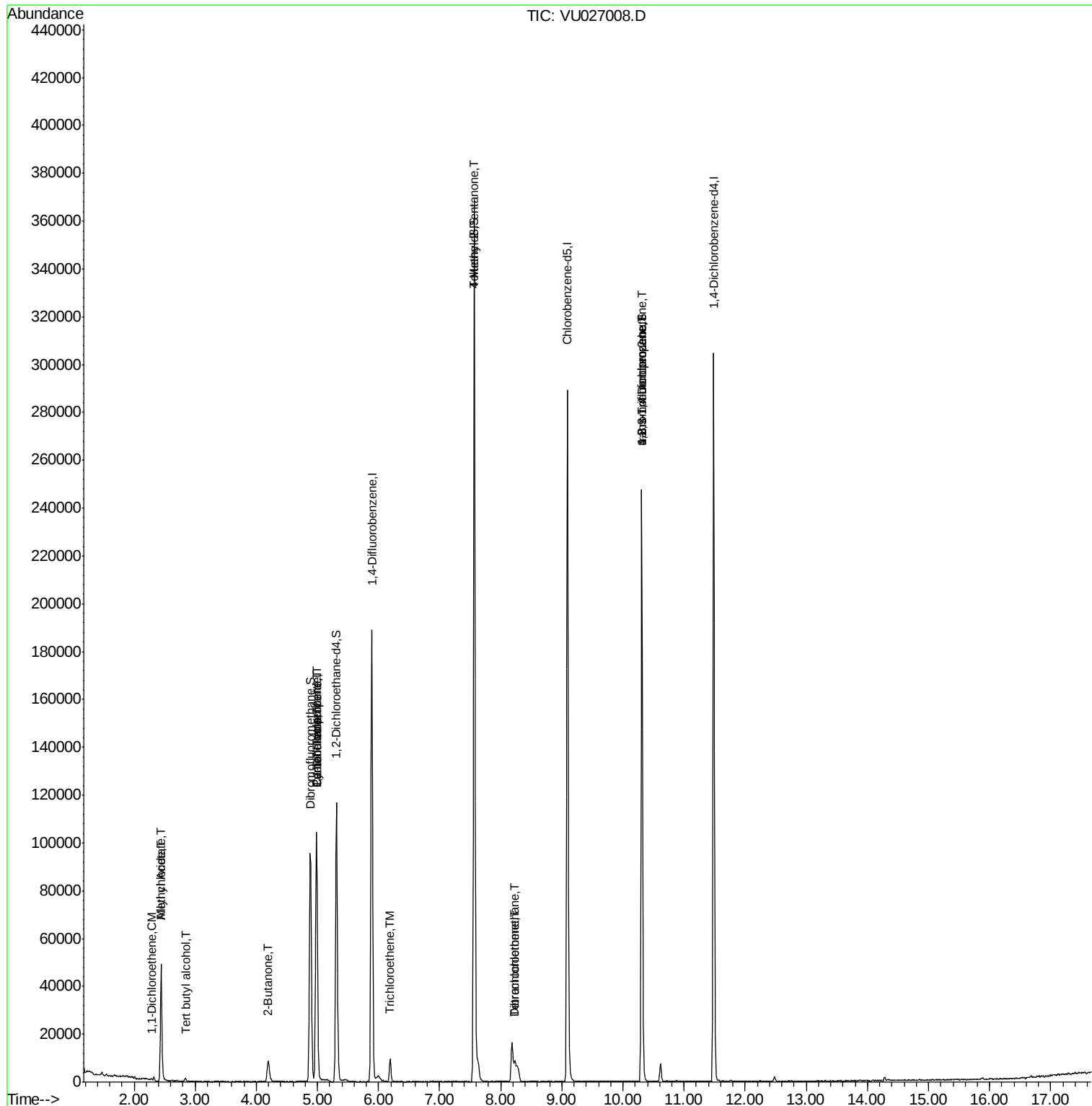
						Qvalue
11) Tert butyl alcohol	2.84	59	981	2.961	ug/l #	72
12) 1,1-Dichloroethene	2.29	96	307	0.310	ug/l #	46
14) Allyl chloride	2.44	41	4795	2.383	ug/l #	70
16) Acetone	2.32	43	1814	Below Cal		96
18) Methyl Acetate	2.44	43	12243	5.951	ug/l #	55
25) 2-Butanone	4.20	43	372	0.306	ug/l #	53
31) Cyclohexane	4.99	56	1946	0.332	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	6851	3.483	ug/l #	50
38) Carbon Tetrachloride	4.99	117	7497	4.005	ug/l #	19
44) Trichloroethene	6.19	130	3386	2.660	ug/l	97
51) 4-Methyl-2-Pentanone	7.57	43	1161	0.444	ug/l #	1
60) Dibromochloromethane	8.23	129	301	0.211	ug/l #	11
64) Tetrachloroethene	8.23	164	284	0.244	ug/l #	81
76) 1,2,3-Trichloropropane	10.31	75	44049	20.163	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	44049	64.524	ug/l #	100

(#) = 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: VU027008.D

Acq: 22 Sep 2018 09:37

Instrument :

MSVOA_U

ClientSampleId :

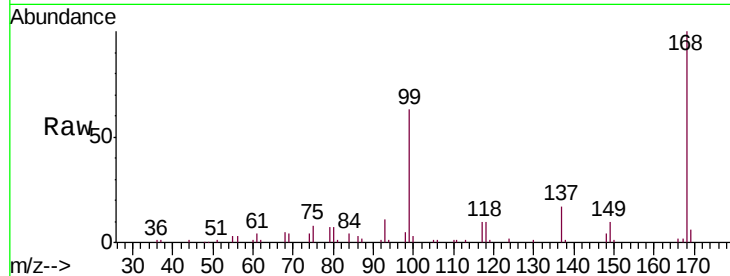
BP-DUP02-20180914

Tgt Ion:168 Resp: 71817

Ion Ratio Lower Upper

168 100

99 63.2 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

30000

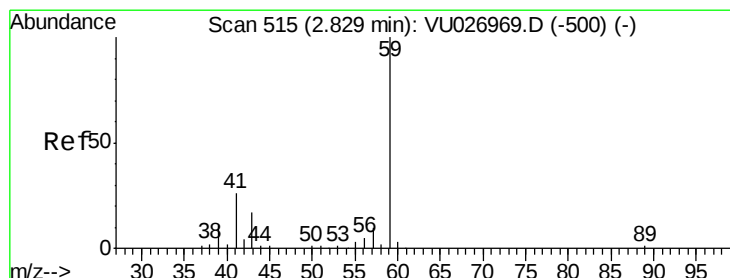
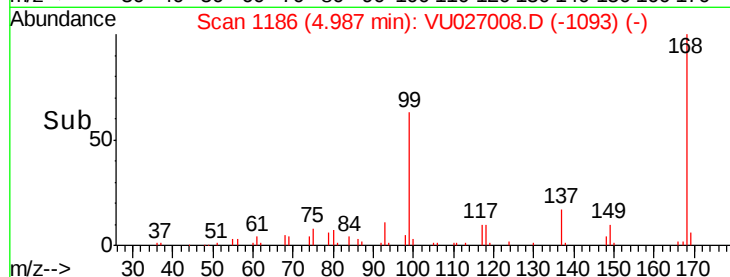
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#11

Tert butyl alcohol

Concen: 2.961 ug/l

RT: 2.84 min Scan# 519

Delta R.T. 0.01 min

Lab File: VU027008.D

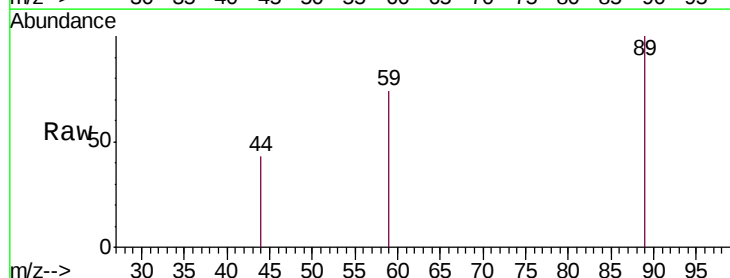
Acq: 22 Sep 2018 09:37

Tgt Ion: 59 Resp: 981

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

500

400

300

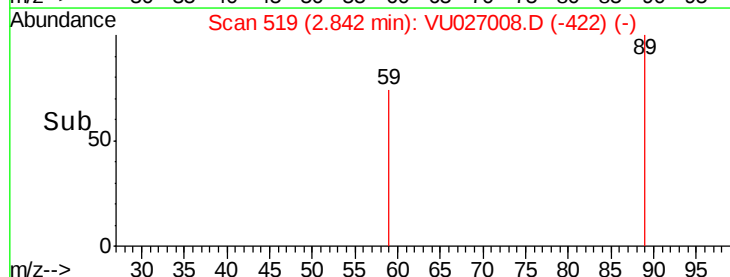
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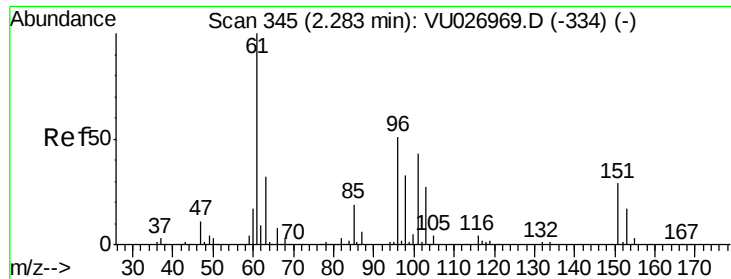
100

0

2.80 2.85

Time-->

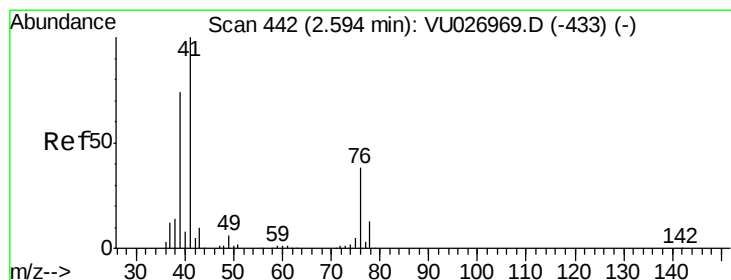
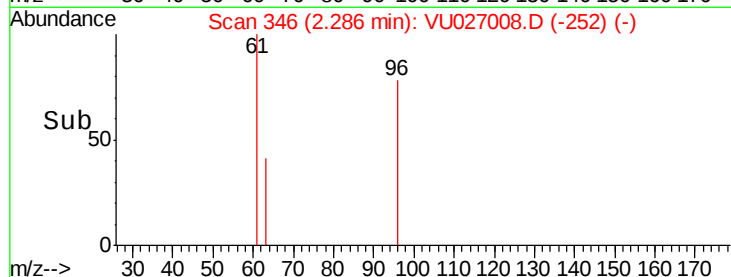
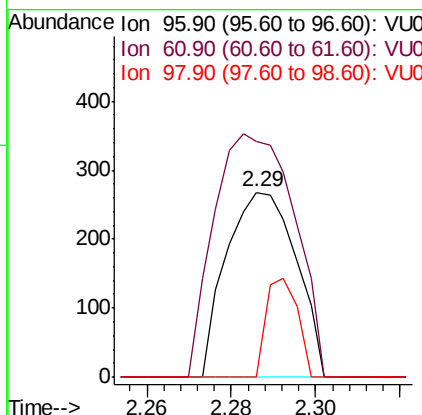
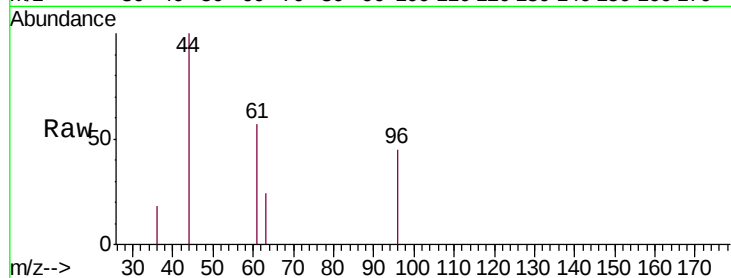




#12
 1,1-Dichloroethene
 Concen: 0.310 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU027008.D
 Acq: 22 Sep 2018 09:37

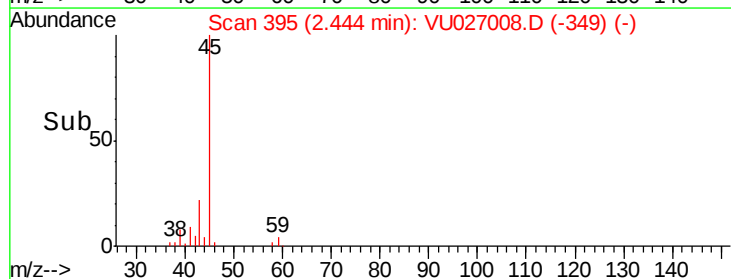
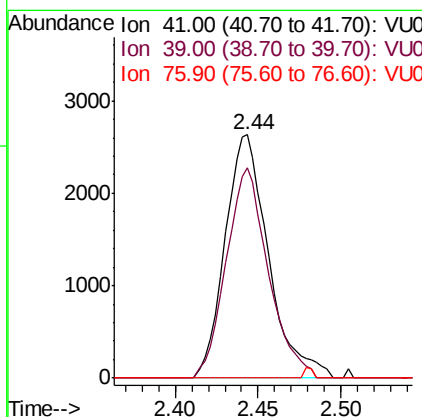
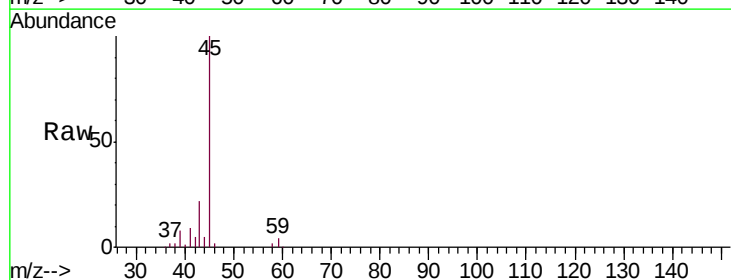
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-DUP02-20180914

Tgt Ion: 96 Resp: 307
 Ion Ratio Lower Upper
 96 100
 61 127.6 156.1 234.1#
 98 0.0 51.4 77.0#



#14
 Allyl chloride
 Concen: 2.383 ug/l
 RT: 2.44 min Scan# 395
 Delta R.T. -0.15 min
 Lab File: VU027008.D
 Acq: 22 Sep 2018 09:37

Tgt Ion: 41 Resp: 4795
 Ion Ratio Lower Upper
 41 100
 39 83.6 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: VU027008.D

Acq: 22 Sep 2018 09:37

Instrument :

MSVOA_U

ClientSampleId :

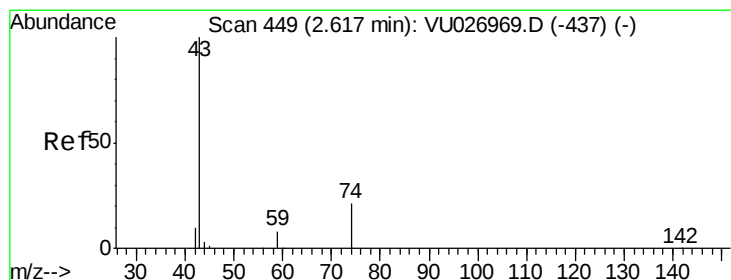
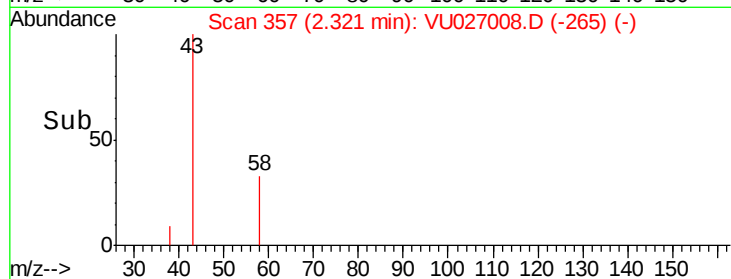
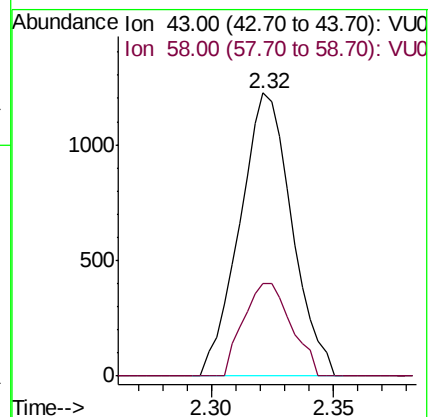
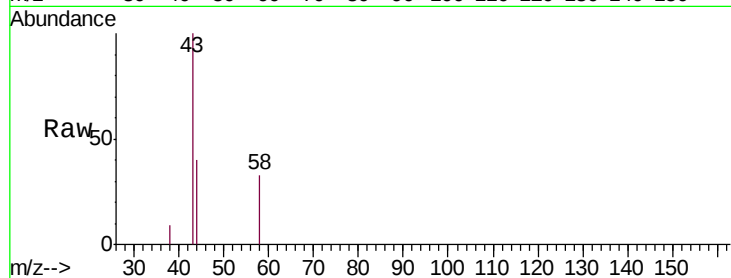
BP-DUP02-20180914

Tgt Ion: 43 Resp: 1814

Ion Ratio Lower Upper

43 100

58 32.8 24.6 36.8



#18

Methyl Acetate

Concen: 5.951 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.17 min

Lab File: VU027008.D

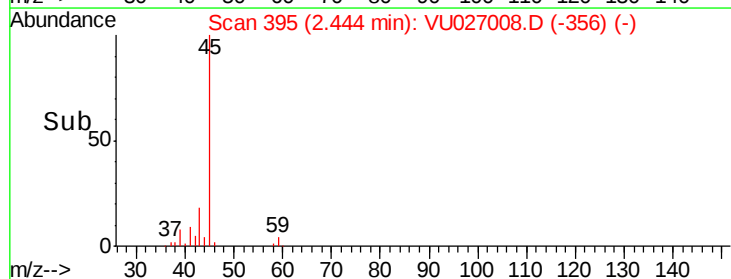
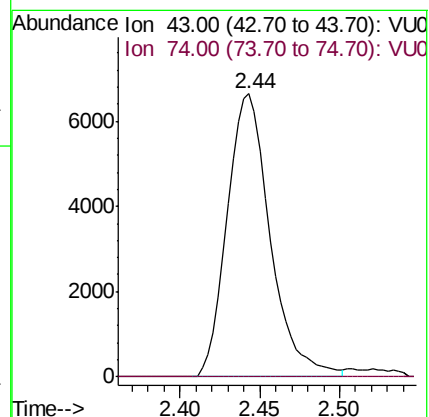
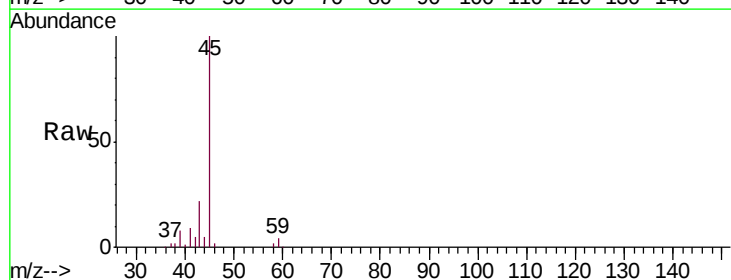
Acq: 22 Sep 2018 09:37

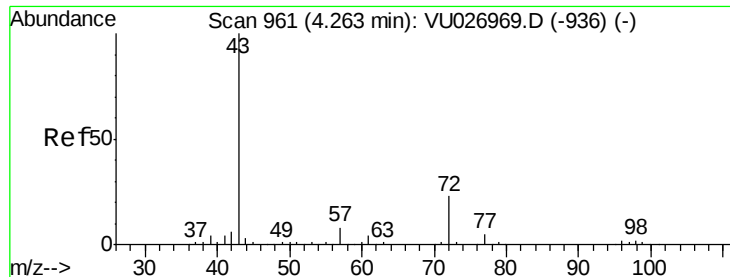
Tgt Ion: 43 Resp: 12243

Ion Ratio Lower Upper

43 100

74 0.0 16.6 25.0#





#25

2-Butanone

Concen: 0.306 ug/l

RT: 4.20 min Scan# 940

Delta R.T. -0.07 min

Lab File: VU027008.D

Acq: 22 Sep 2018 09:37

Instrument :

MSVOA_U

ClientSampleId :

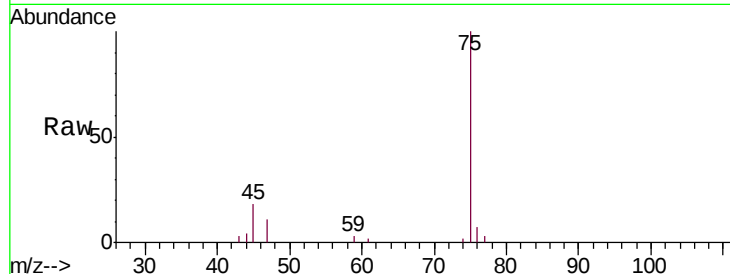
BP-DUP02-20180914

Tgt Ion: 43 Resp: 372

Ion Ratio Lower Upper

43 100

72 0.0 18.4 27.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.20

200

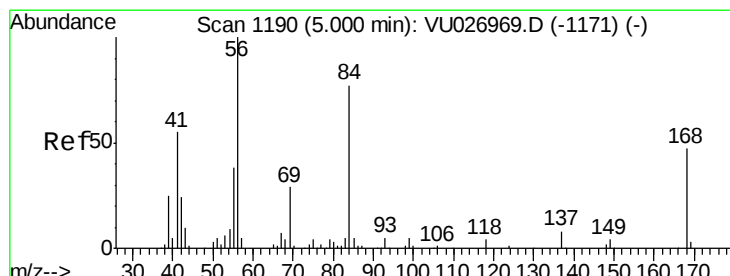
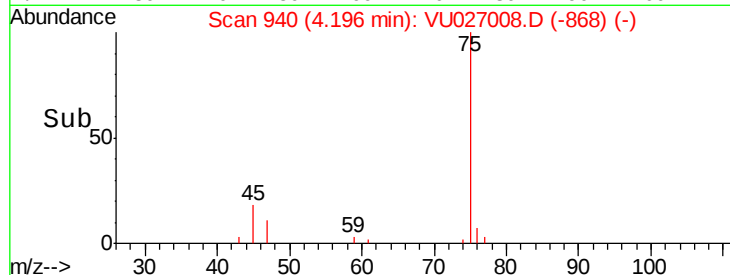
150

100

50

0

Time-->



#31

Cyclohexane

Concen: 0.332 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU027008.D

Acq: 22 Sep 2018 09:37

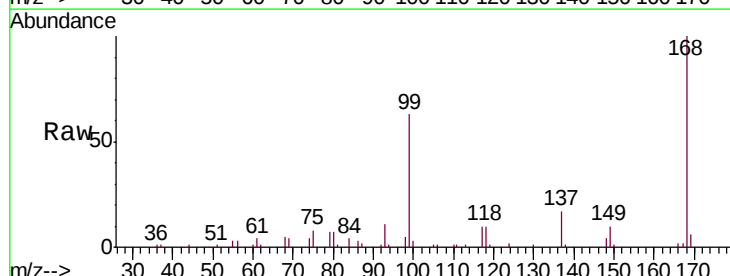
Tgt Ion: 56 Resp: 1946

Ion Ratio Lower Upper

56 100

69 136.6 23.0 34.4#

84 131.0 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

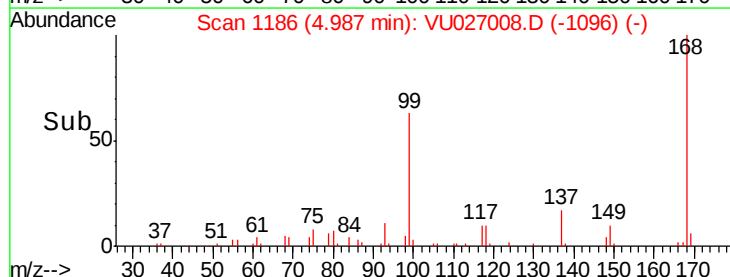
1500

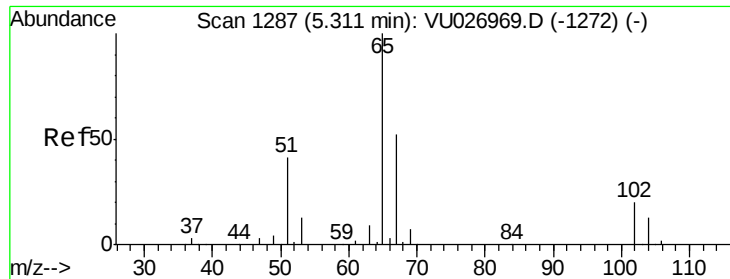
1000

500

0

Time-->

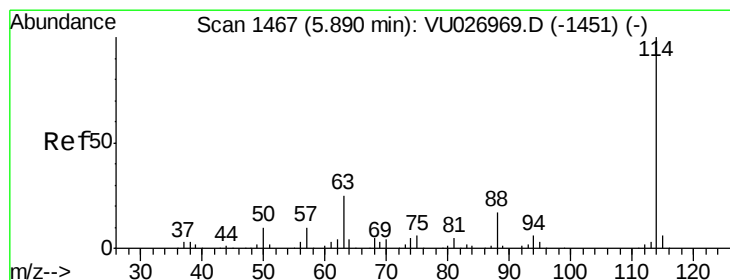
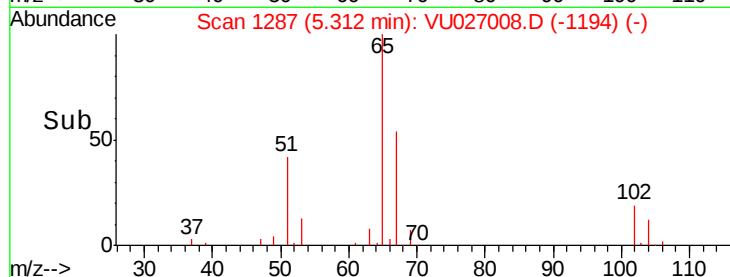
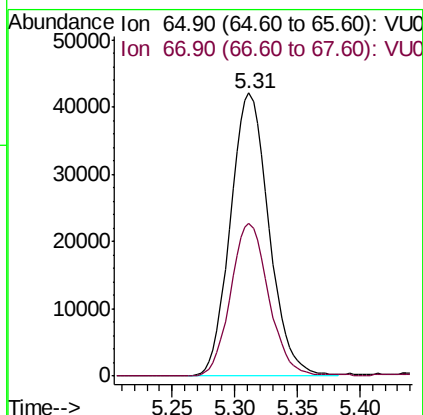
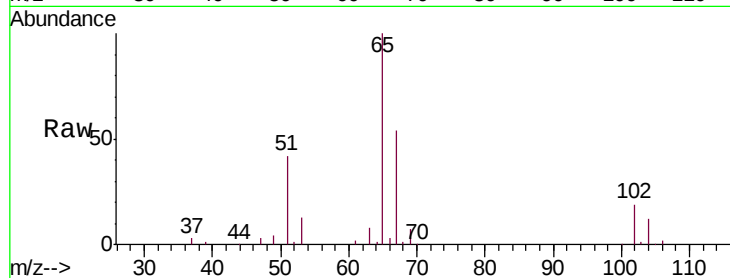




#33
 1,2-Dichloroethane-d4
 Concen: 62.243 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027008.D
 Acq: 22 Sep 2018 09:37

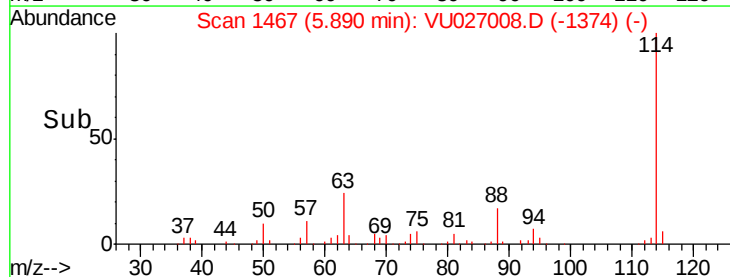
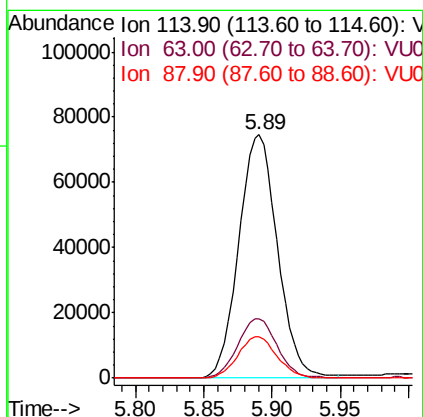
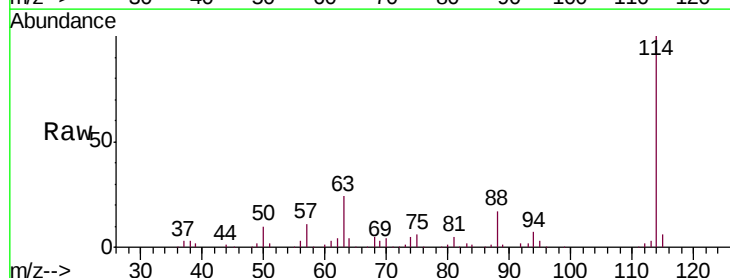
Instrument :
 MSVOA_U
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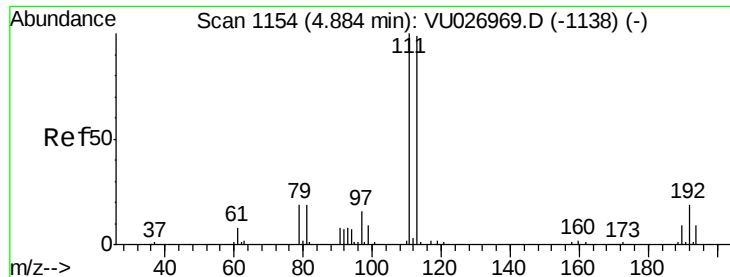
Tgt Ion: 65 Resp: 89968
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027008.D
 Acq: 22 Sep 2018 09:37

Tgt Ion: 114 Resp: 147393
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 49.2
 88 17.0 0.0 33.8





#35

Dibromofluoromethane

Concen: 51.821 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027008.D

Acq: 22 Sep 2018 09:37

Instrument :

MSVOA_U

ClientSampleId :

BP-DUP02-20180914

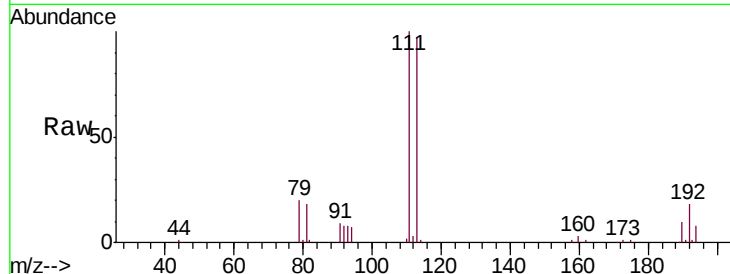
Tgt Ion:113 Resp: 66207

Ion Ratio Lower Upper

113 100

111 103.9 82.2 123.4

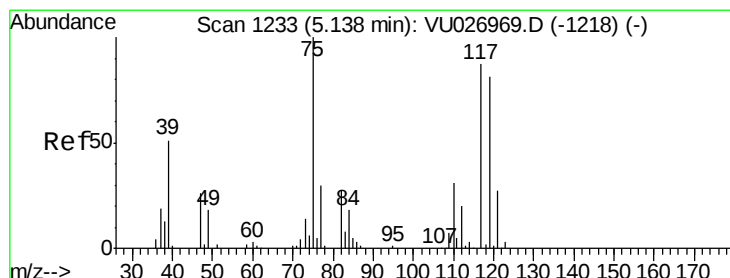
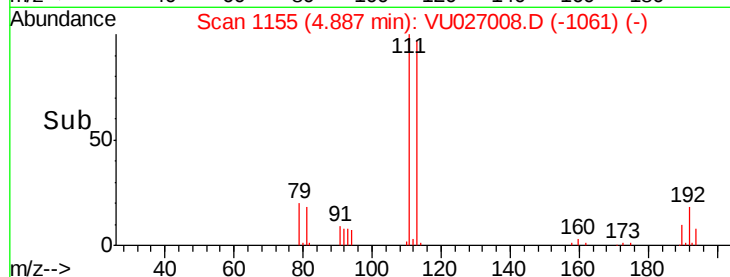
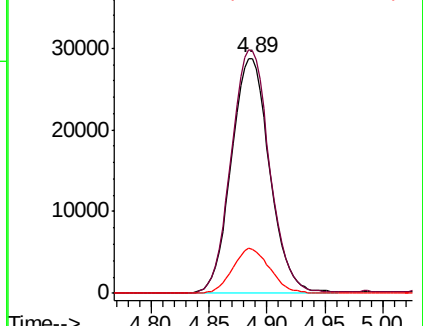
192 18.5 15.2 22.8



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: 3.483 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU027008.D

Acq: 22 Sep 2018 09:37

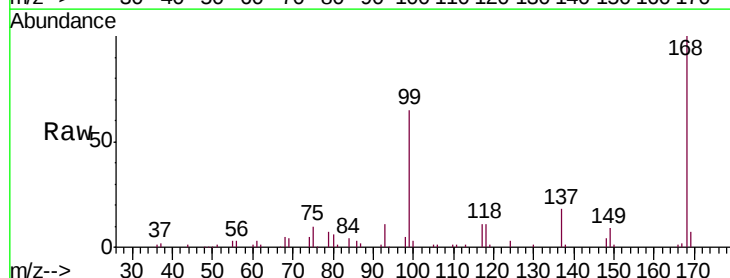
Tgt Ion: 75 Resp: 6851

Ion Ratio Lower Upper

75 100

110 7.1 16.1 48.2#

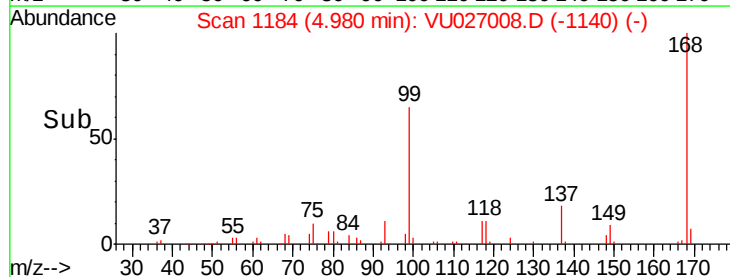
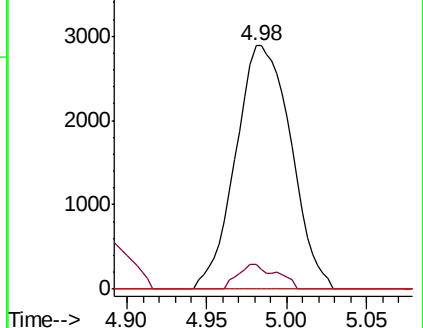
77 0.0 24.6 36.8#

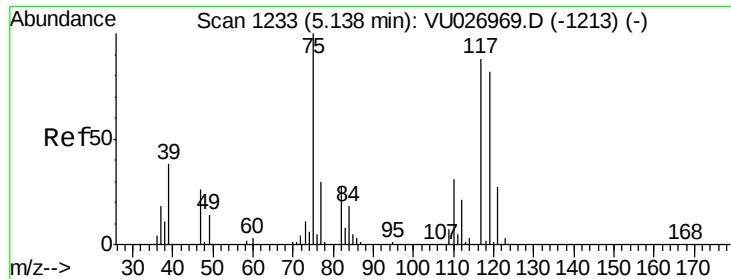


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

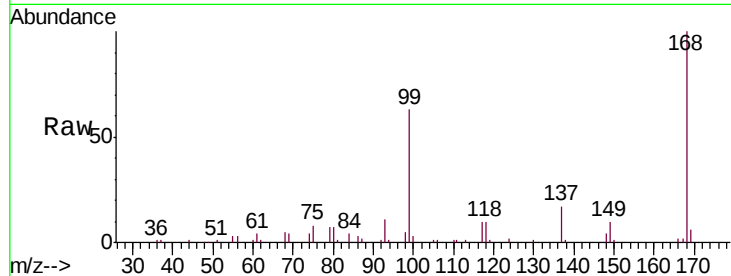




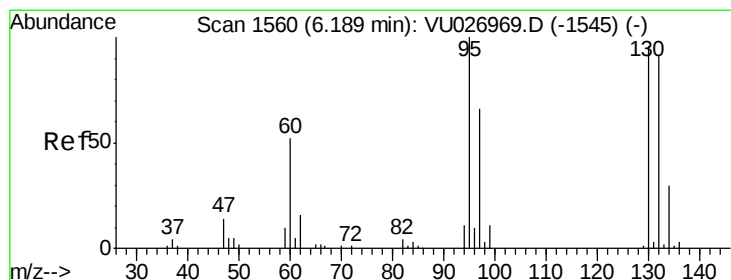
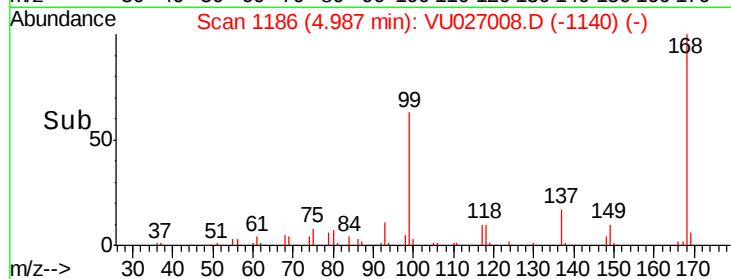
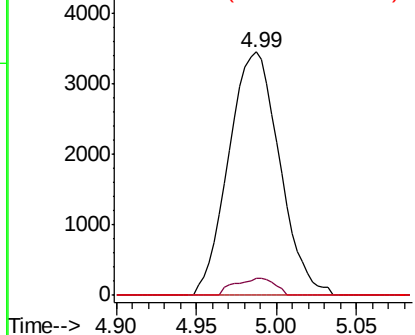
#38
Carbon Tetrachloride
Concen: 4.005 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027008.D
Acq: 22 Sep 2018 09:37

Instrument :
MSVOA_U
ClientSampleId :
BP-DUP02-20180914

Tgt Ion:117 Resp: 7497
Ion Ratio Lower Upper
117 100
119 6.9 74.4 111.6#
121 0.0 24.2 36.4#

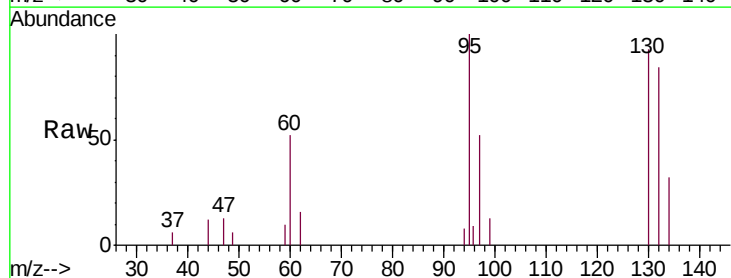


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

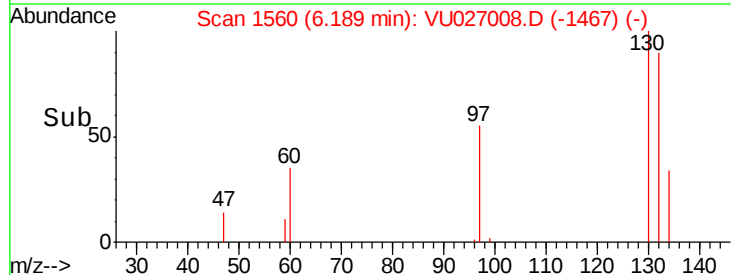
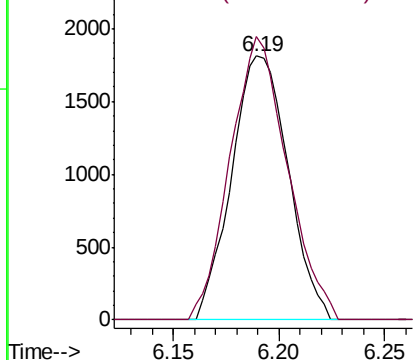


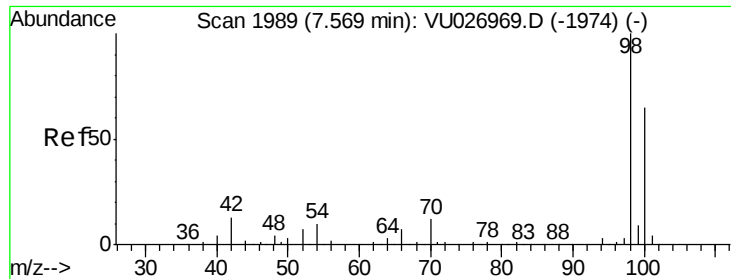
#44
Trichloroethene
Concen: 2.660 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU027008.D
Acq: 22 Sep 2018 09:37

Tgt Ion:130 Resp: 3386
Ion Ratio Lower Upper
130 100
95 107.3 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: 48.228 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU027008.D

Acq: 22 Sep 2018 09:37

Instrument :

MSVOA_U

ClientSampleId :

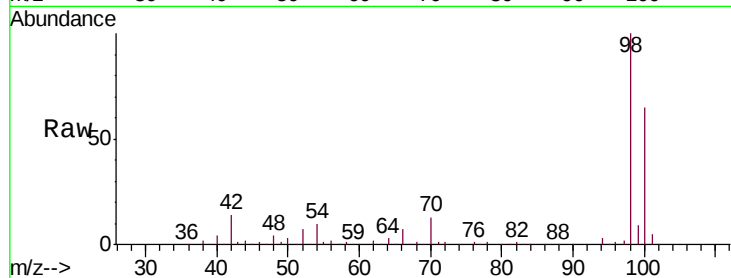
BP-DUP02-20180914

Tgt Ion: 98 Resp: 234824

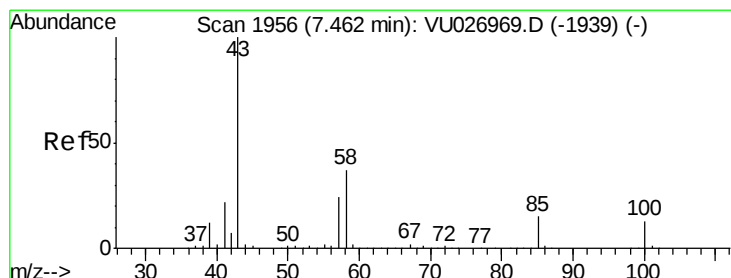
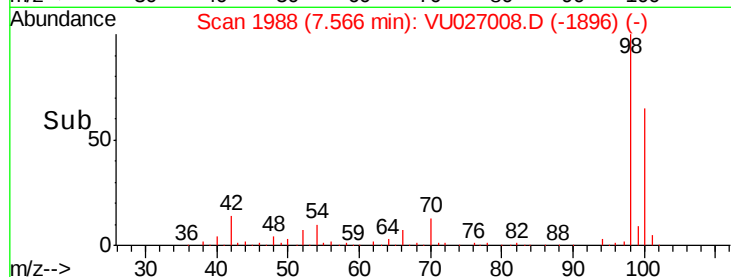
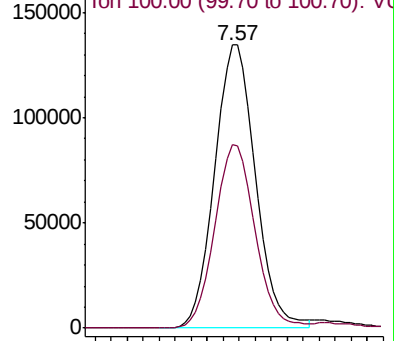
Ion Ratio Lower Upper

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: 0.444 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.10 min

Lab File: VU027008.D

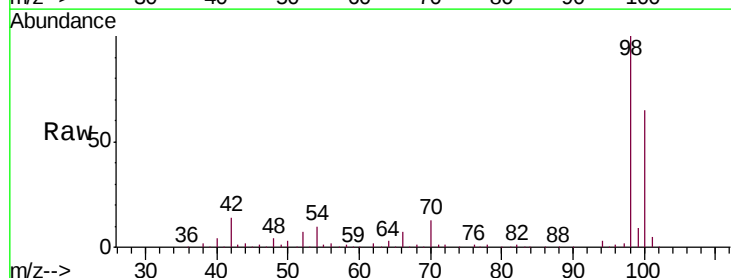
Acq: 22 Sep 2018 09:37

Tgt Ion: 43 Resp: 1161

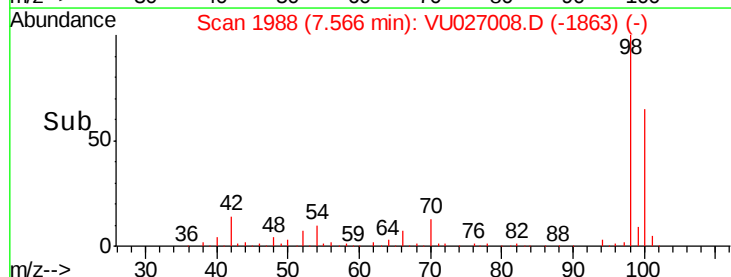
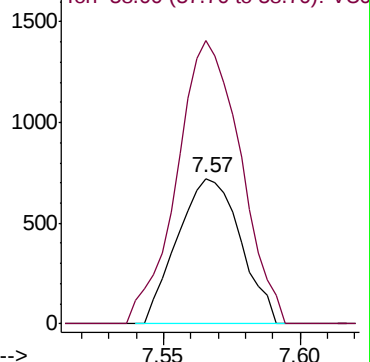
Ion Ratio Lower Upper

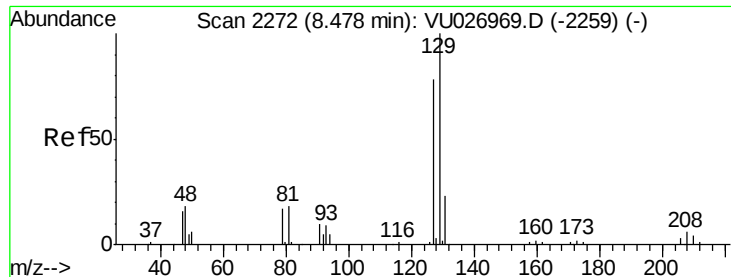
43 100

58 196.3 29.8 44.6#



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

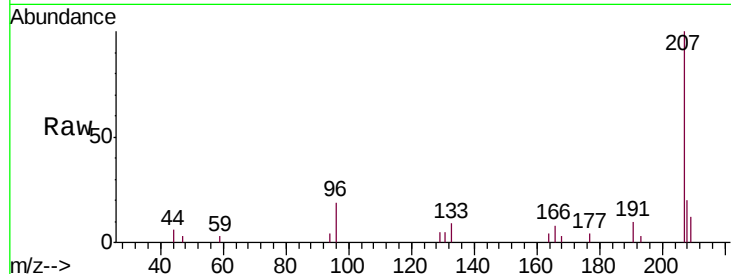




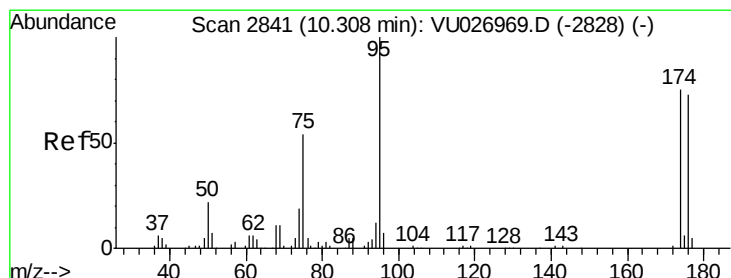
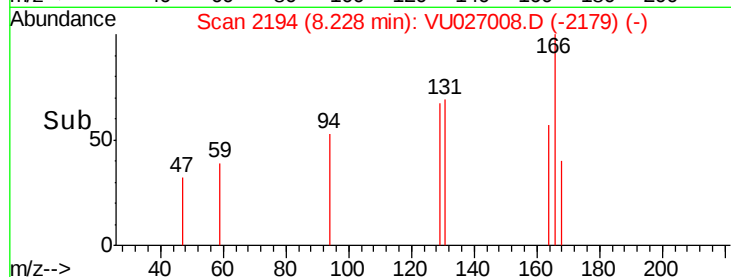
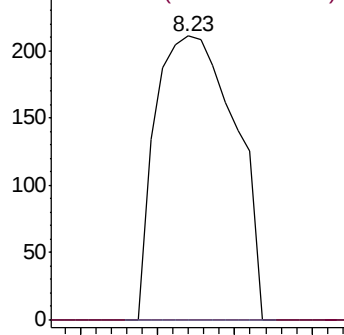
#60
Dibromochloromethane
Concen: 0.211 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU027008.D
Acq: 22 Sep 2018 09:37

Instrument :
MSVOA_U
ClientSampleId :
BP-DUP02-20180914

Tgt Ion: 129 Resp: 301
Ion Ratio Lower Upper
129 100
127 0.0 38.1 114.5#

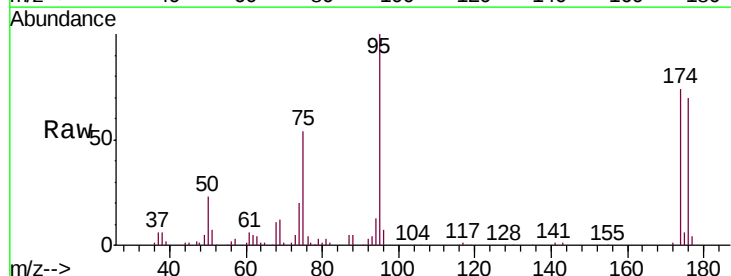


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

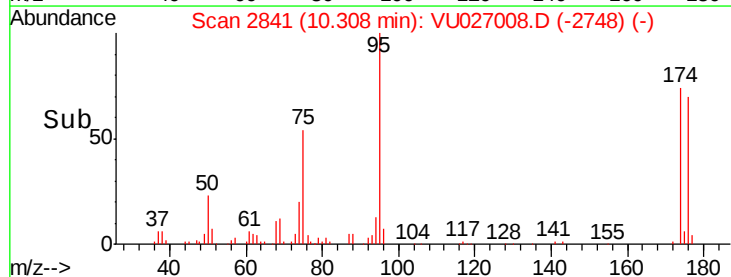
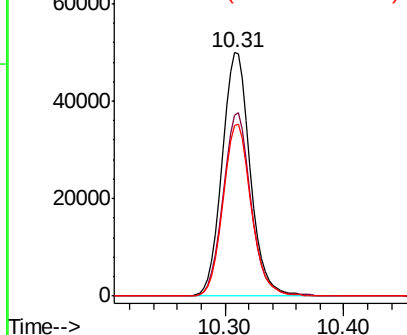


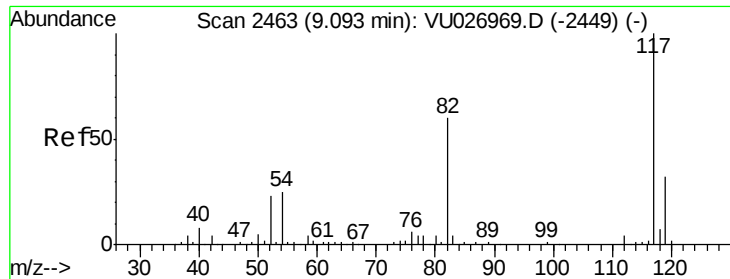
#62
4-Bromofluorobenzene
Concen: 48.962 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027008.D
Acq: 22 Sep 2018 09:37

Tgt Ion: 95 Resp: 81802
Ion Ratio Lower Upper
95 100
174 74.6 0.0 150.2
176 70.8 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

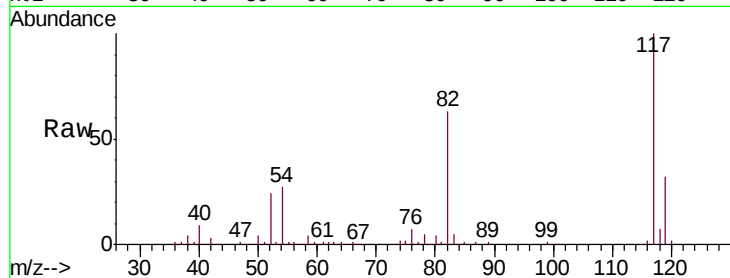




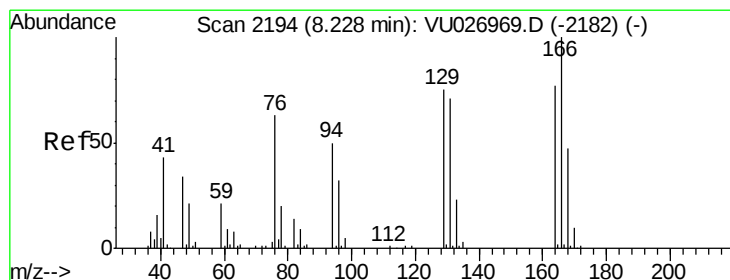
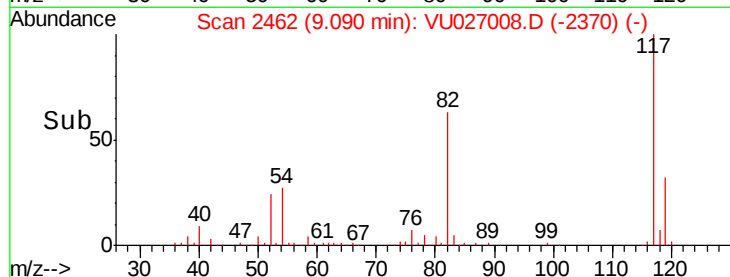
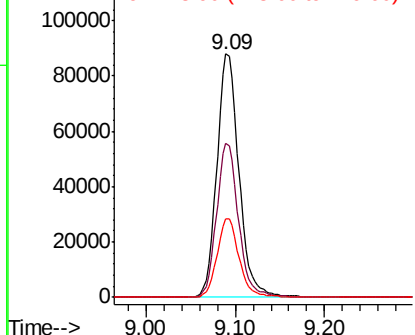
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027008.D
Acq: 22 Sep 2018 09:37

Instrument :
MSVOA_U
ClientSampleId :
BP-DUP02-20180914

Tgt Ion:117 Resp: 151016
Ion Ratio Lower Upper
117 100
82 63.3 48.0 72.0
119 32.0 25.8 38.8

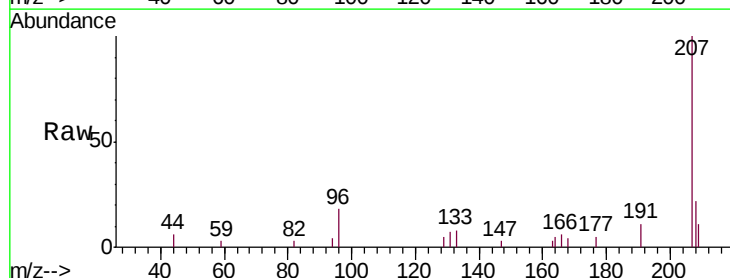


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

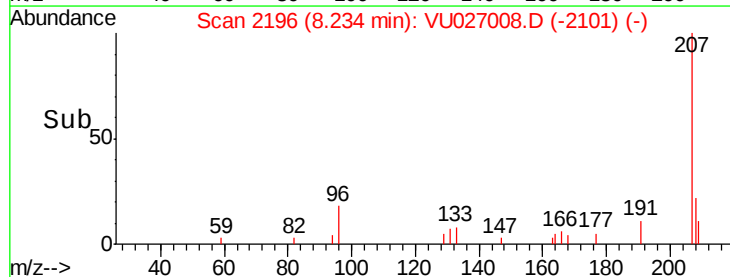
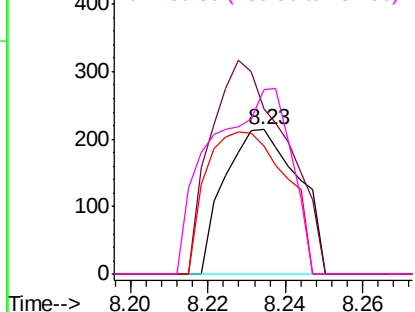


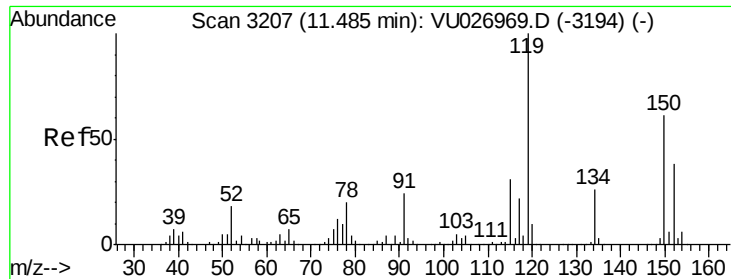
#64
Tetrachloroethene
Concen: 0.244 ug/l
RT: 8.23 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VU027008.D
Acq: 22 Sep 2018 09:37

Tgt Ion:164 Resp: 284
Ion Ratio Lower Upper
164 100
166 114.5 104.4 156.6
129 88.3 78.7 118.1
131 128.0 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: VU027008.D

Acq: 22 Sep 2018 09:37

Instrument :

MSVOA_U

ClientSampleId :

BP-DUP02-20180914

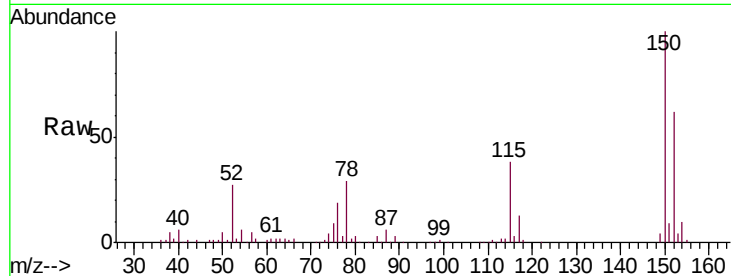
Tgt Ion: 152 Resp: 71913

Ion Ratio Lower Upper

152 100

115 62.3 44.9 134.5

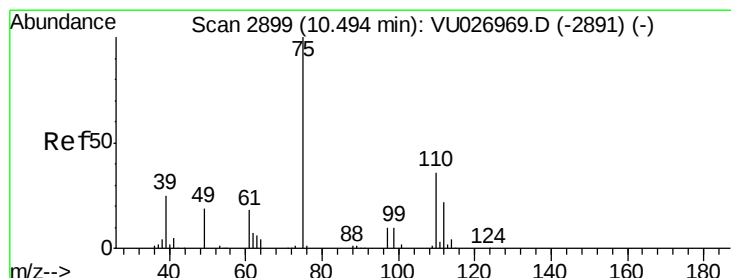
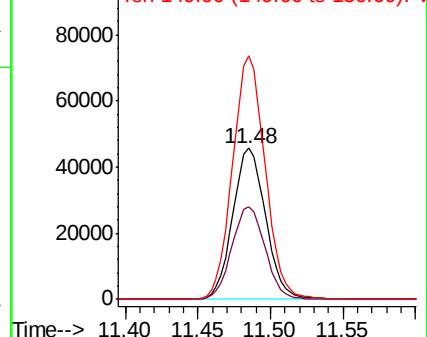
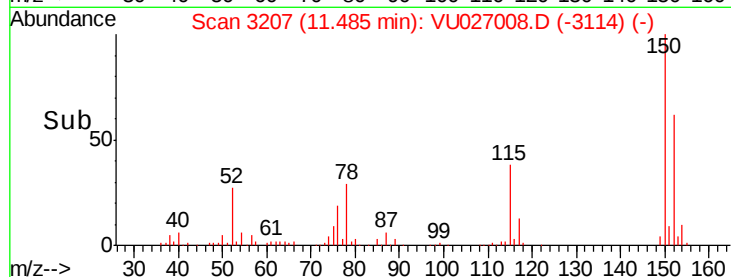
150 159.6 0.0 355.8



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: 20.163 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027008.D

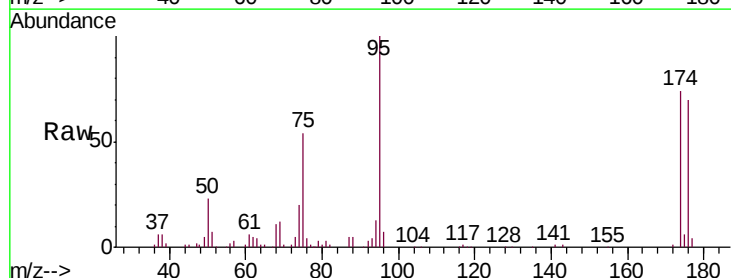
Acq: 22 Sep 2018 09:37

Tgt Ion: 75 Resp: 44049

Ion Ratio Lower Upper

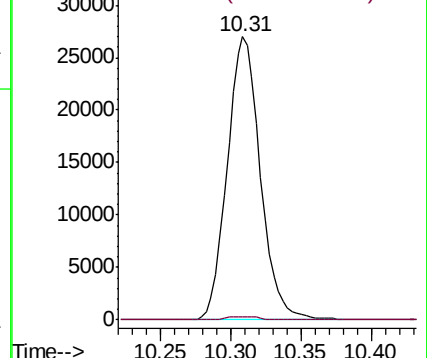
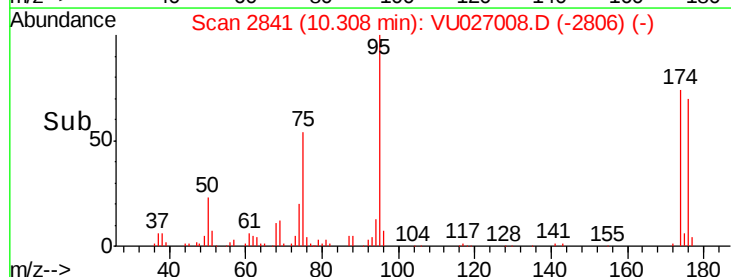
75 100

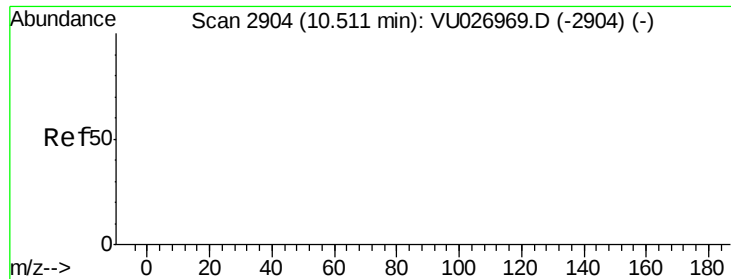
77 1.1 20.9 62.8#



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: 64.524 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027008.D

Acq: 22 Sep 2018 09:37

Instrument :

MSVOA_U

ClientSampleId :

BP-DUP02-20180914

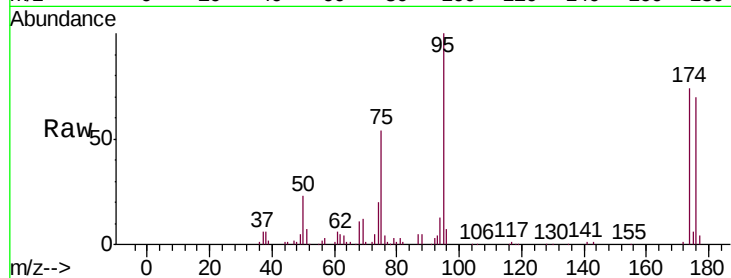
Tgt Ion: 75 Resp: 44049

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

