

Data File : VU027046.D
Acq On : 23 Sep 2018 03:48
Operator : MD/SY
Sample : J4958-22
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 88 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BPS1-TT-MW309D-20180915

Quant Time: Sep 24 05:46:59 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	94074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	157674	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	150936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	68247	50.00	ug/l	0.00

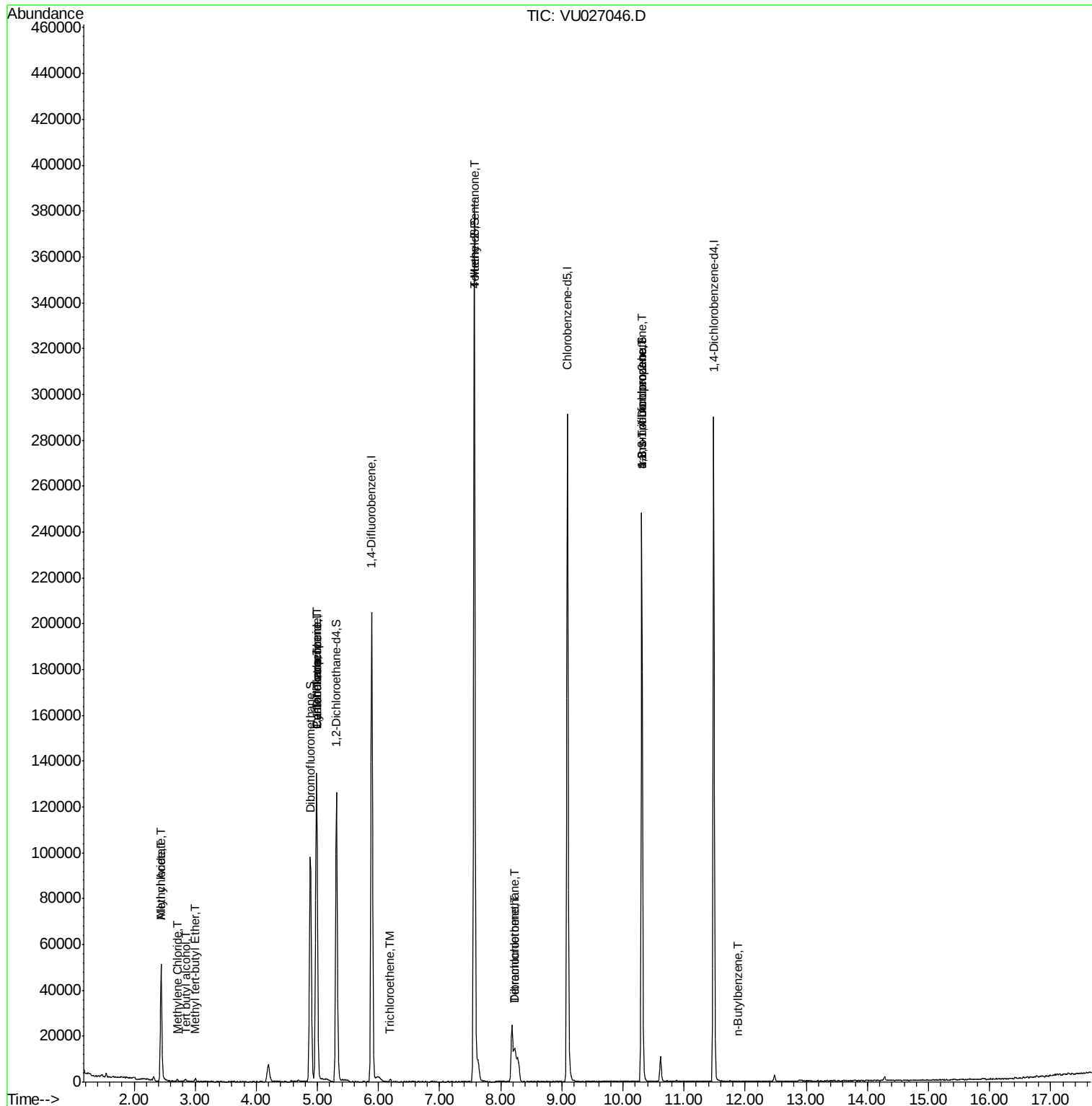
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	96093	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
35) Dibromofluoromethane	4.88	113	67359	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
50) Toluene-d8	7.57	98	244823	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	
62) 4-Bromofluorobenzene	10.31	95	80585	45.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.18%	

Target Compounds			Qvalue			
11) Tert butyl alcohol	2.84	59	704	1.622	ug/l #	72
14) Allyl chloride	2.44	41	5023	1.906	ug/l #	70
16) Acetone	2.32	43	2192	Below Cal		99
18) Methyl Acetate	2.44	43	12712	4.717	ug/l #	55
19) Methyl tert-butyl Ether	3.00	73	1365	0.286	ug/l	90
20) Methylene Chloride	2.71	84	353	0.208	ug/l #	71
31) Cyclohexane	4.99	56	2194	0.205	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	9049	4.300	ug/l #	49
38) Carbon Tetrachloride	4.98	117	9896	4.942	ug/l #	17
44) Trichloroethene	6.19	130	450	0.330	ug/l	73
51) 4-Methyl-2-Pentanone	7.57	43	1195	0.428	ug/l #	1
60) Dibromochloromethane	8.23	129	907	0.595	ug/l #	11
64) Tetrachloroethene	8.23	164	925	0.795	ug/l	87
76) 1,2,3-Trichloropropane	10.31	75	44821	21.618	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	44821	69.181	ug/l #	100
89) n-Butylbenzene	11.89	91	20	2.396	ug/l #	33

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027046.D

Acq: 23 Sep 2018 03:48

Instrument :

MSVOA_U

ClientSampleId :

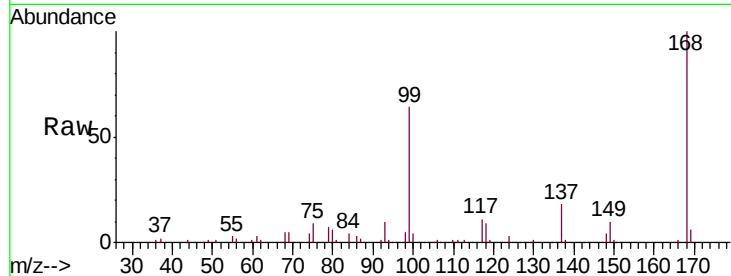
BPS1-TT-MW309D-20180915

Tgt Ion:168 Resp: 94074

Ion Ratio Lower Upper

168 100

99 64.4 48.1 72.1



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

Ion 98.90 (98.60 to 99.60): VU027046.D (-1093) (-)

4.99

50000

40000

30000

20000

10000

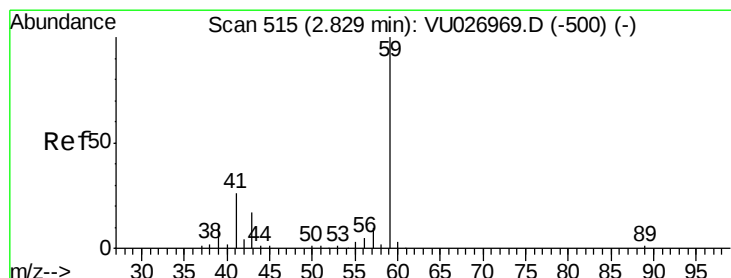
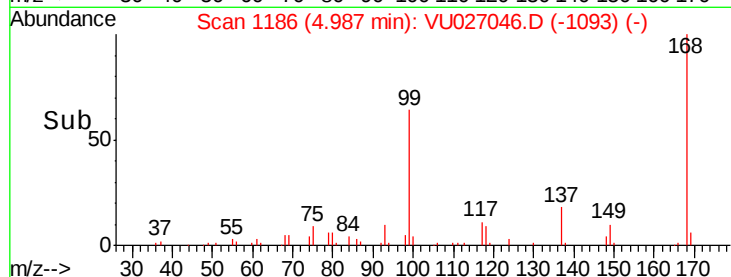
0

4.90

5.00

5.10

Time-->



#11

Tert butyl alcohol

Concen: 1.622 ug/l

RT: 2.84 min Scan# 519

Delta R.T. 0.01 min

Lab File: VU027046.D

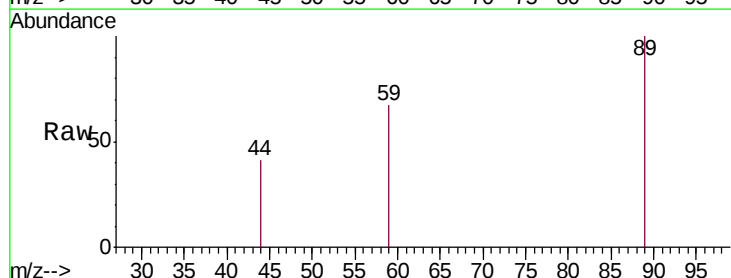
Acq: 23 Sep 2018 03:48

Tgt Ion: 59 Resp: 704

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): VU027046.D (-422) (-)

2.84

400

300

200

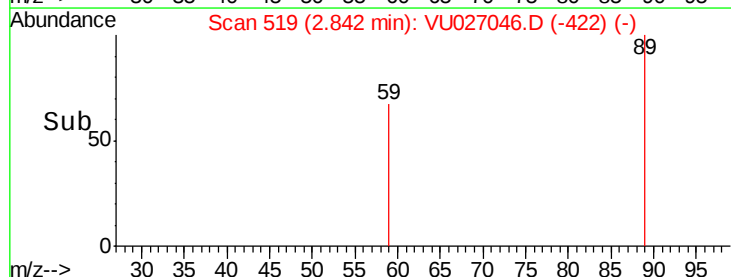
100

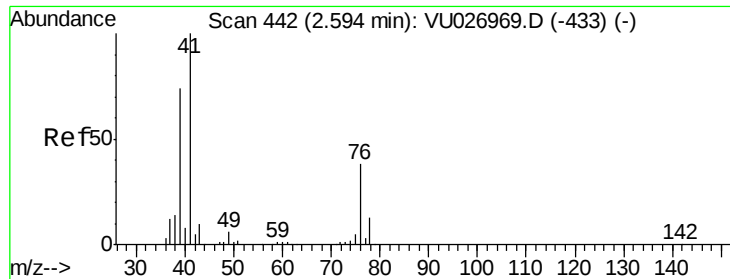
0

2.80

2.85

Time-->

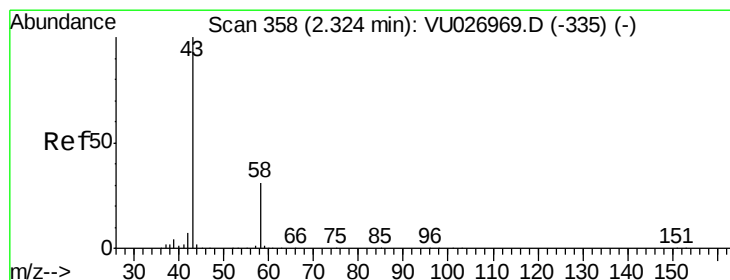
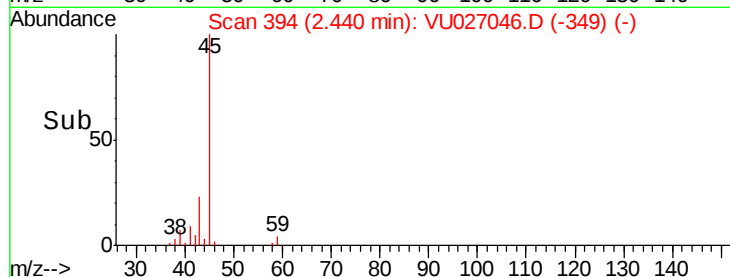
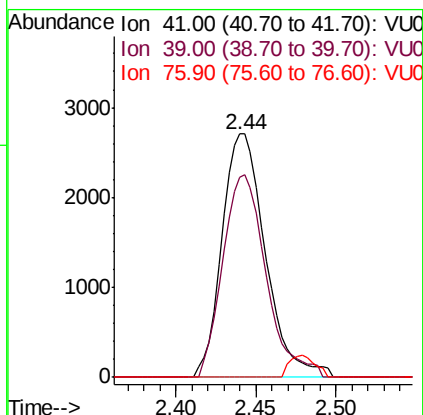
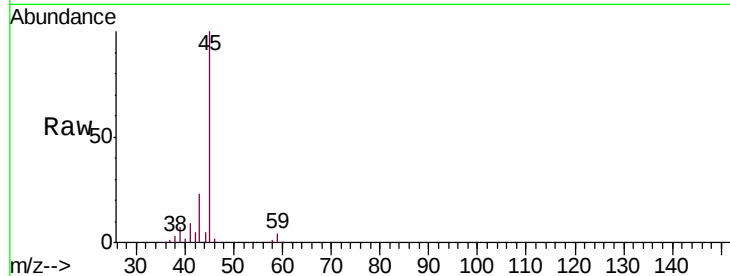




#14
 Allyl chloride
 Concen: 1.906 ug/l
 RT: 2.44 min Scan# 394
 Delta R.T. -0.15 min
 Lab File: VU027046.D
 Acq: 23 Sep 2018 03:48

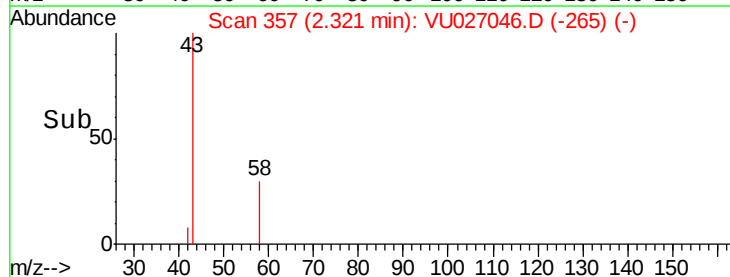
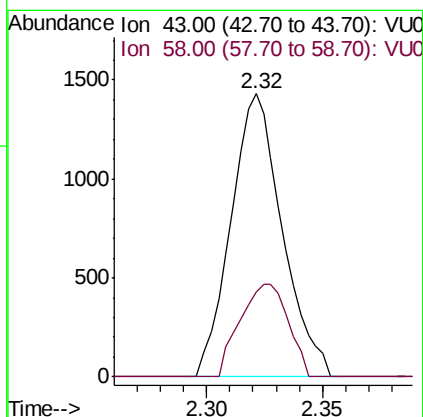
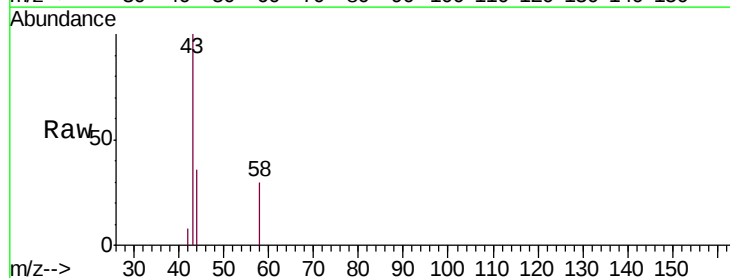
Instrument :
 MSVOA_U
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 BPS1-TT-MW309D-20180915

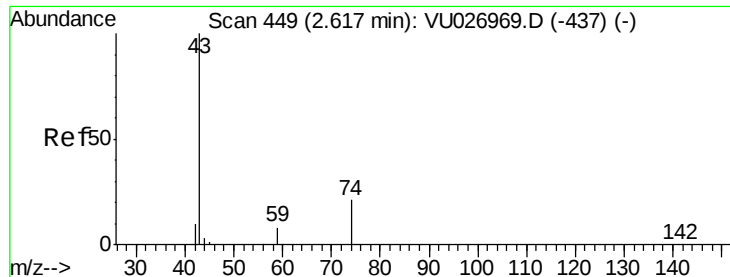
Tgt Ion: 41 Resp: 5023
 Ion Ratio Lower Upper
 41 100
 39 82.9 55.7 83.5
 76 0.0 26.5 39.7#



#16
 Acetone
 Concen: Below Cal
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU027046.D
 Acq: 23 Sep 2018 03:48

Tgt Ion: 43 Resp: 2192
 Ion Ratio Lower Upper
 43 100
 58 30.1 24.6 36.8

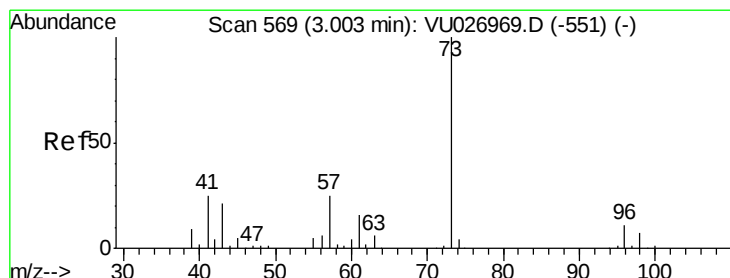
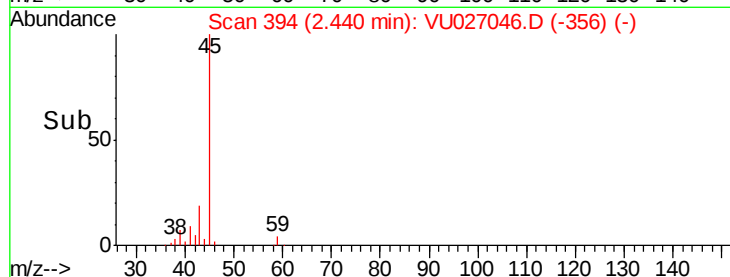
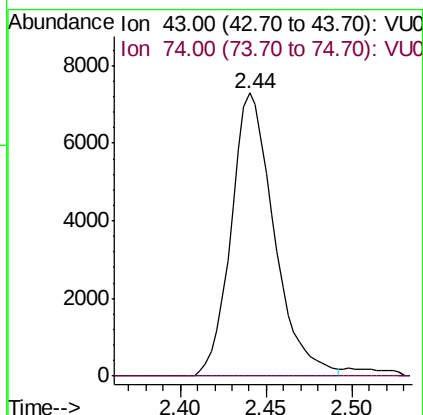
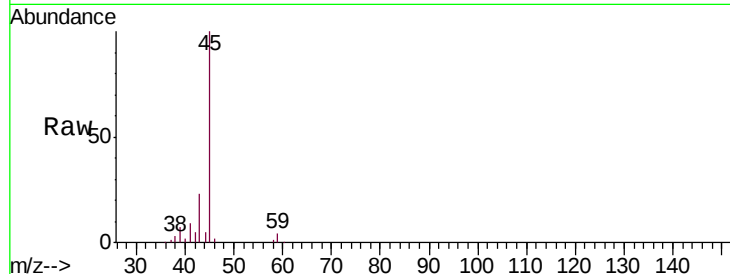




#18
Methyl Acetate
Concen: 4.717 ug/l
RT: 2.44 min Scan# 394
Delta R.T. -0.18 min
Lab File: VU027046.D
Acq: 23 Sep 2018 03:48

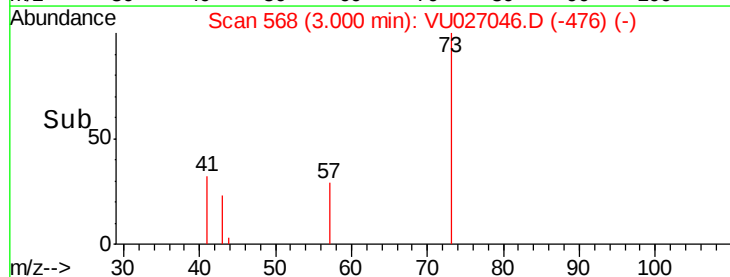
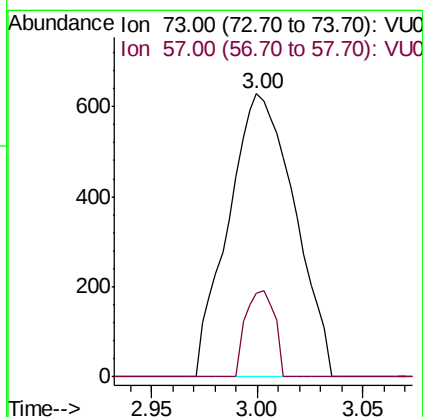
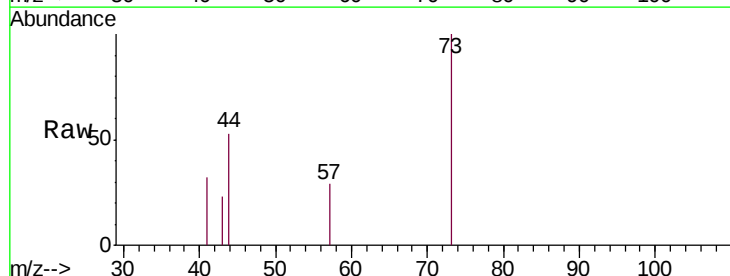
Instrument :
MSVOA_U
ClientSampleId :
BPS1-TT-MW309D-20180915

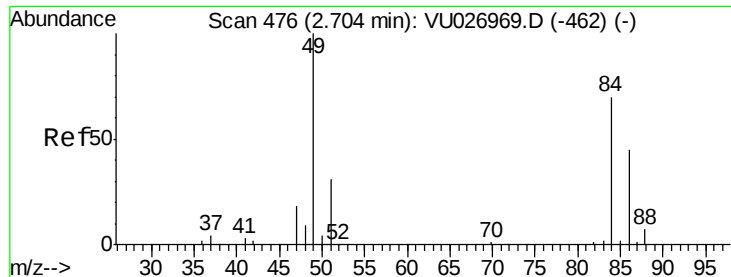
Tgt Ion: 43 Resp: 12712
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



#19
Methyl tert-butyl Ether
Concen: 0.286 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027046.D
Acq: 23 Sep 2018 03:48

Tgt Ion: 73 Resp: 1365
Ion Ratio Lower Upper
73 100
57 29.5 19.8 29.6





#20

Methylene Chloride

Concen: 0.208 ug/l

RT: 2.71 min Scan# 478

Delta R.T. 0.01 min

Lab File: VU027046.D

Acq: 23 Sep 2018 03:48

Instrument :

MSVOA_U

ClientSampleId :

BPS1-TT-MW309D-20180915

Tgt Ion: 84 Resp: 353

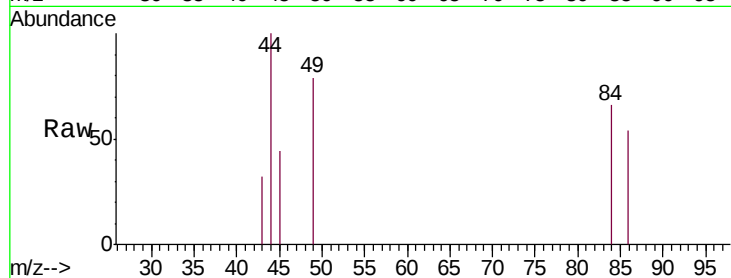
Ion Ratio Lower Upper

84 100

49 119.1 114.9 172.3

51 0.0 35.8 53.8#

86 80.9 51.3 76.9#

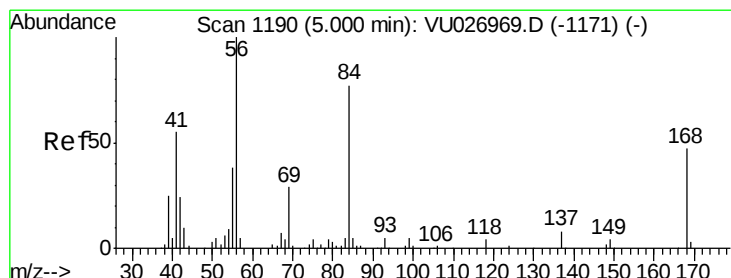
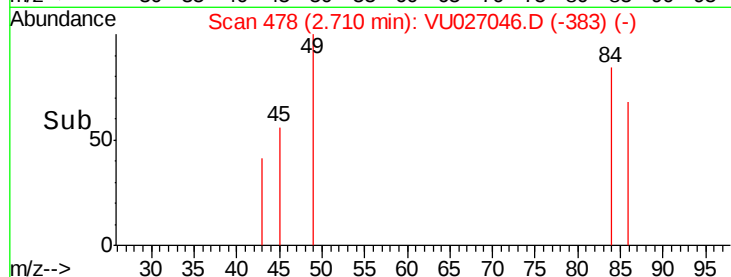
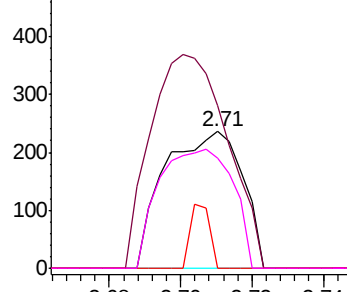


Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#31

Cyclohexane

Concen: 0.205 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU027046.D

Acq: 23 Sep 2018 03:48

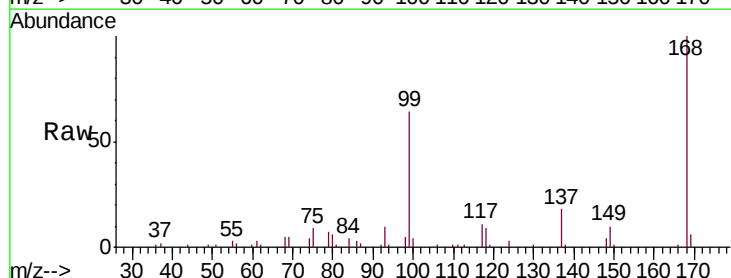
Tgt Ion: 56 Resp: 2194

Ion Ratio Lower Upper

56 100

69 212.5 23.0 34.4#

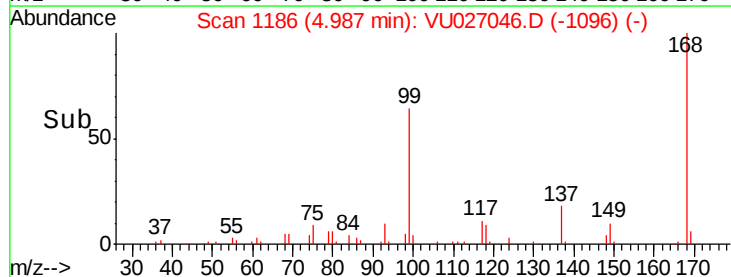
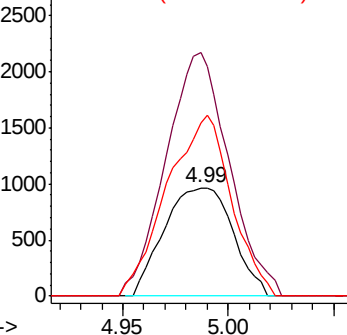
84 159.0 61.4 92.2#

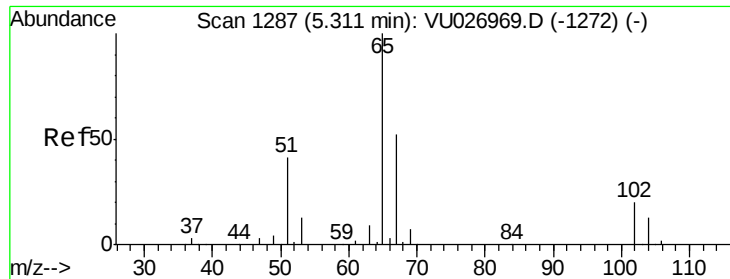


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

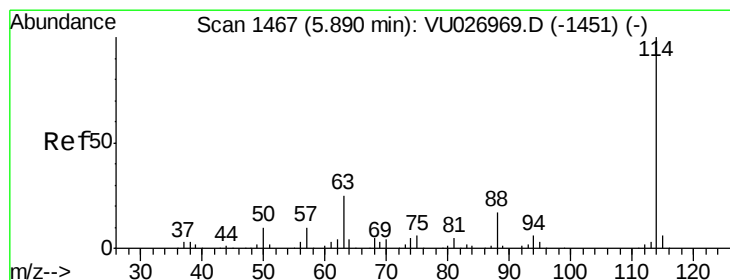
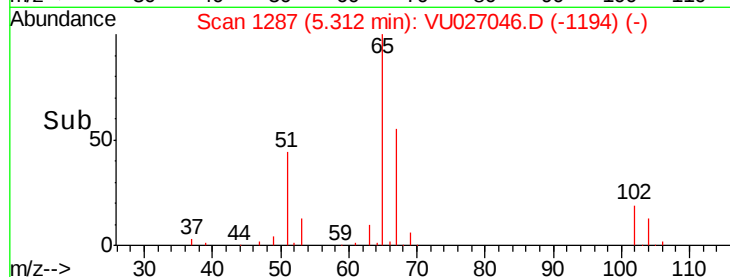
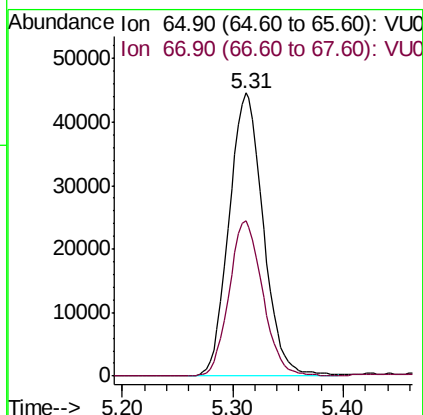
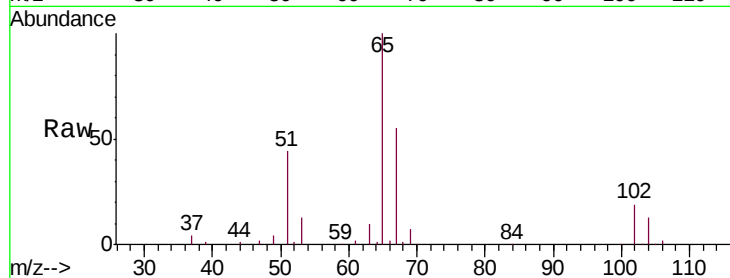




#33
 1,2-Dichloroethane-d4
 Concen: 50.752 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027046.D
 Acq: 23 Sep 2018 03:48

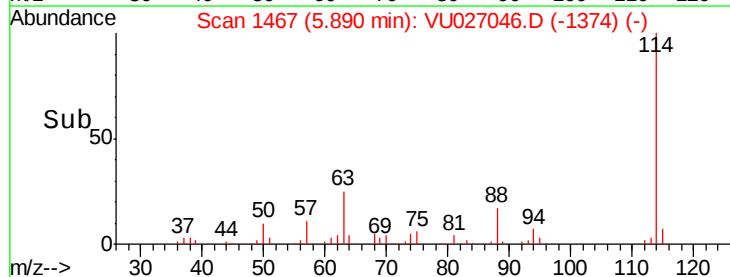
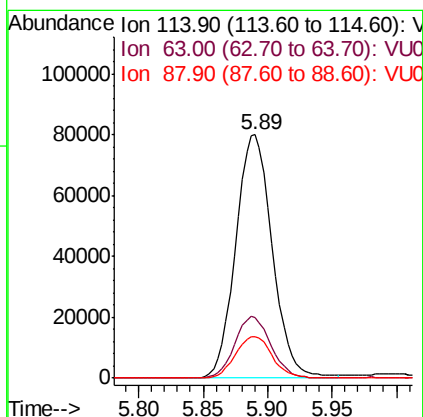
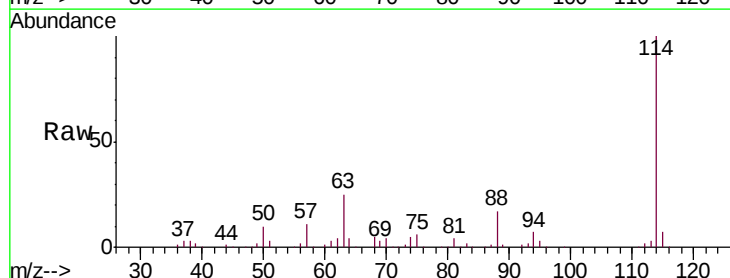
Instrument :
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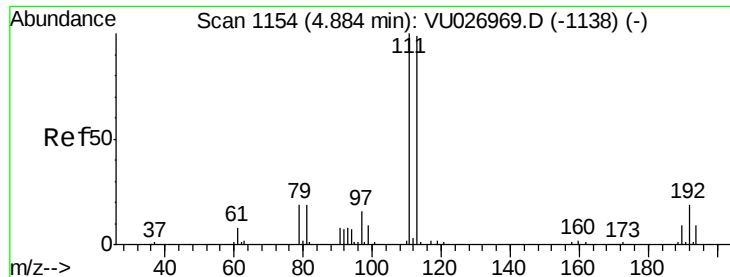
Tgt Ion: 65 Resp: 96093
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027046.D
 Acq: 23 Sep 2018 03:48

Tgt Ion: 114 Resp: 157674
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 49.2
 88 17.2 0.0 33.8

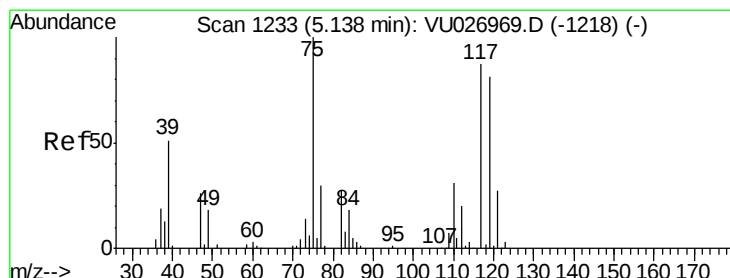
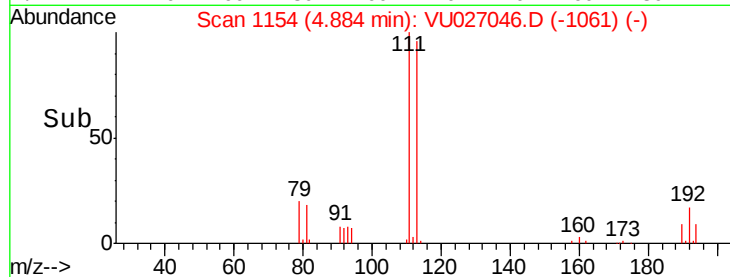
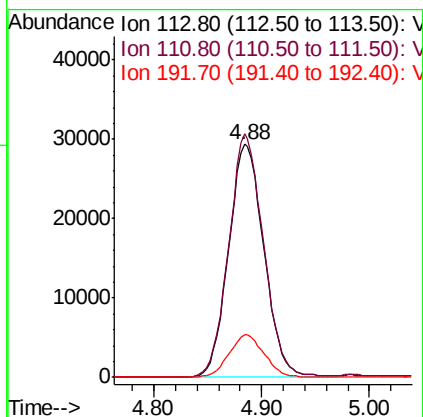
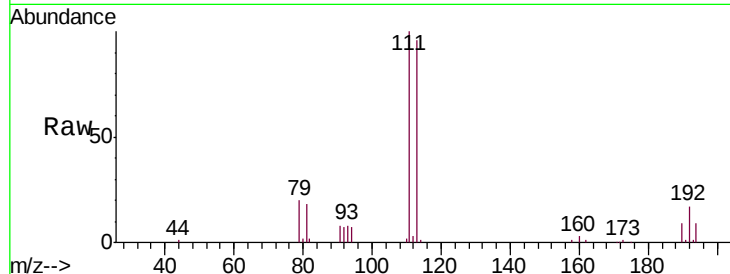




#35
 Dibromofluoromethane
 Concen: 49.285 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027046.D
 Acq: 23 Sep 2018 03:48

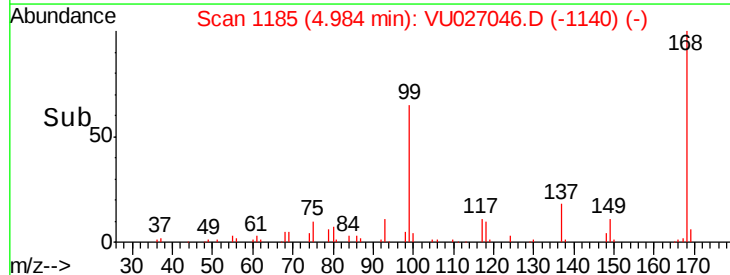
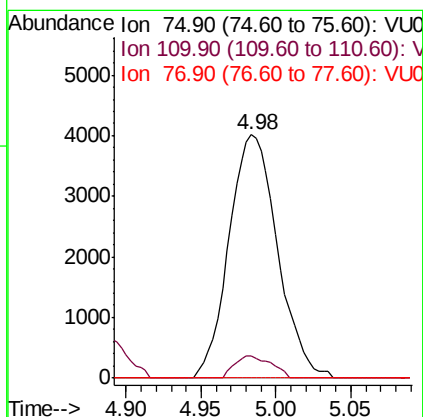
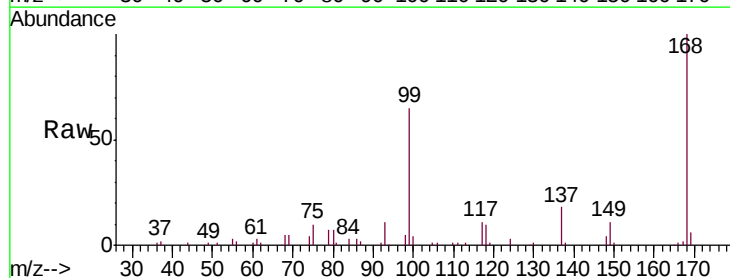
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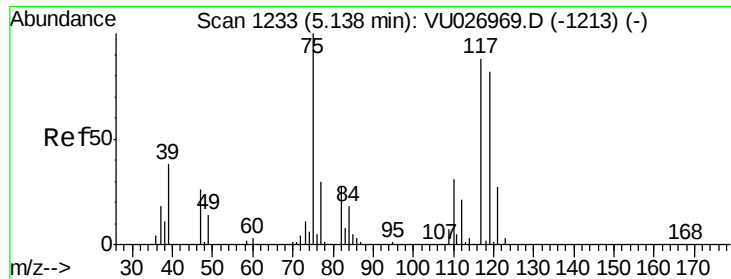
Tgt Ion:113 Resp: 67359
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.2 123.4
 192 18.0 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 4.300 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027046.D
 Acq: 23 Sep 2018 03:48

Tgt Ion: 75 Resp: 9049
 Ion Ratio Lower Upper
 75 100
 110 6.9 16.1 48.2#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 4.942 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027046.D

Acq: 23 Sep 2018 03:48

Instrument :

MSVOA_U

ClientSampleId :

BPS1-TT-MW309D-20180915

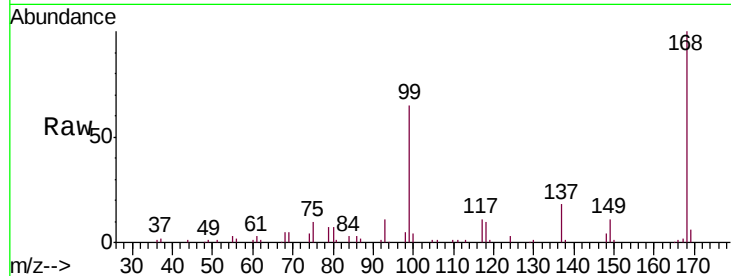
Tgt Ion:117 Resp: 9896

Ion Ratio Lower Upper

117 100

119 4.9 74.4 111.6#

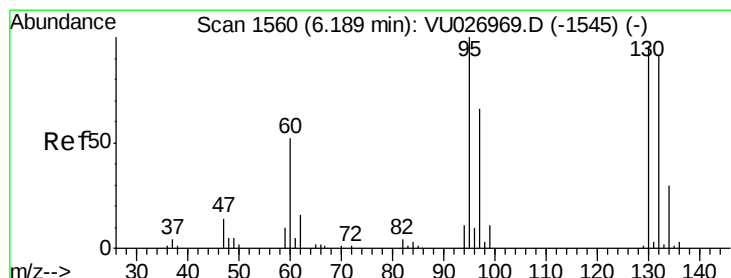
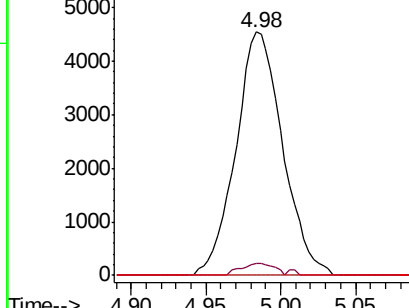
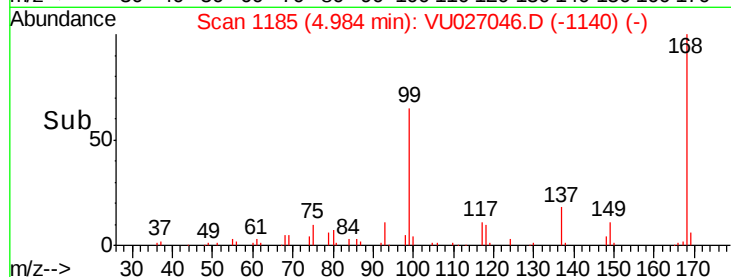
121 0.0 24.2 36.4#



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: 0.330 ug/l

RT: 6.19 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VU027046.D

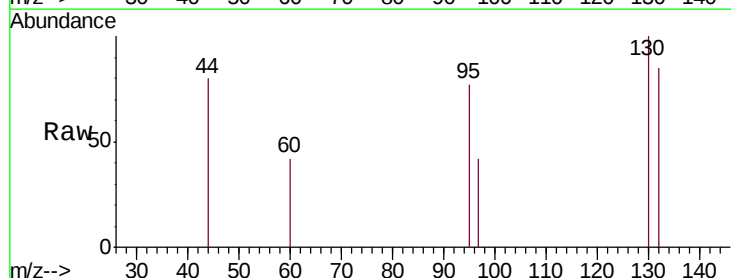
Acq: 23 Sep 2018 03:48

Tgt Ion:130 Resp: 450

Ion Ratio Lower Upper

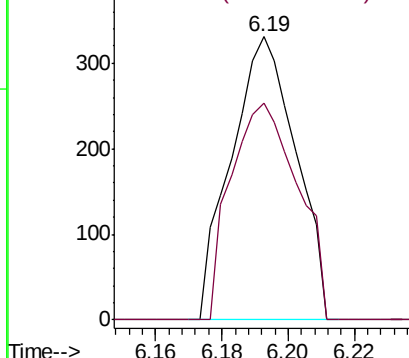
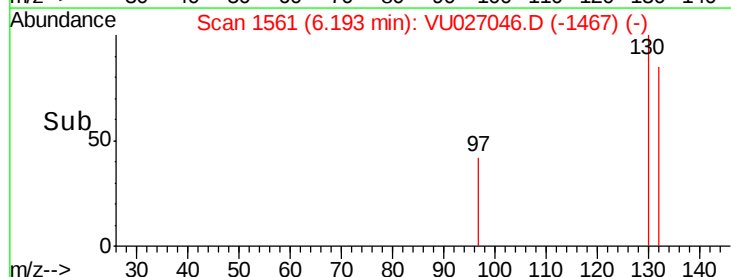
130 100

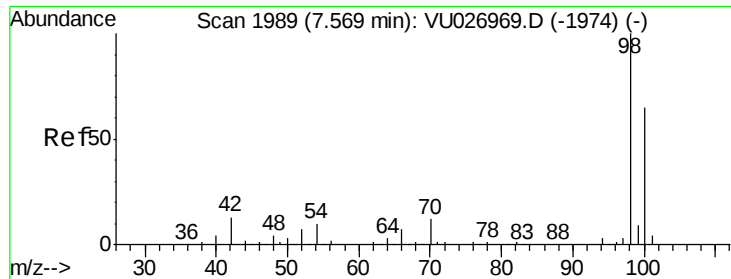
95 76.7 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#50

Toluene-d8

Concen: 47.003 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027046.D

Acq: 23 Sep 2018 03:48

Instrument :

MSVOA_U

ClientSampleId :

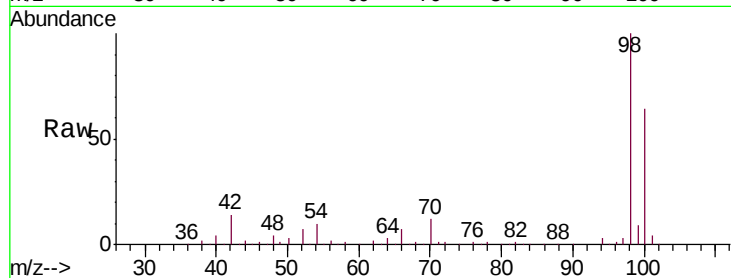
BPS1-TT-MW309D-20180915

Tgt Ion: 98 Resp: 244823

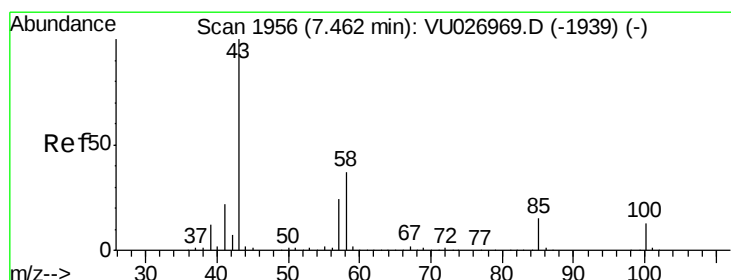
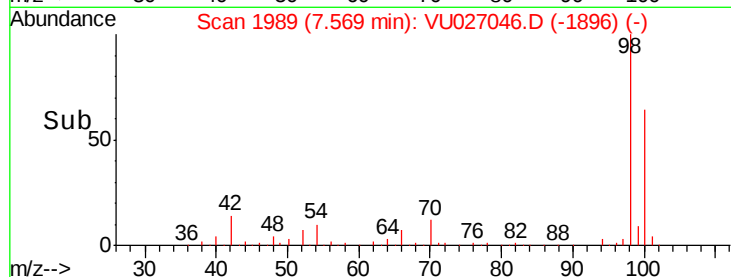
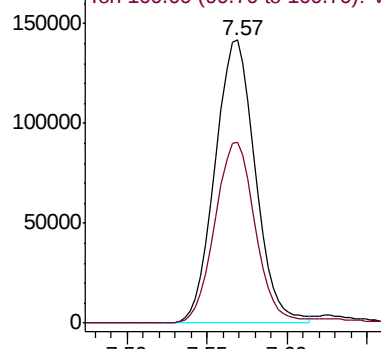
Ion Ratio Lower Upper

98 100

100 64.1 52.1 78.1



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



#51

4-Methyl-2-Pentanone

Concen: 0.428 ug/l

RT: 7.57 min Scan# 1990

Delta R.T. 0.11 min

Lab File: VU027046.D

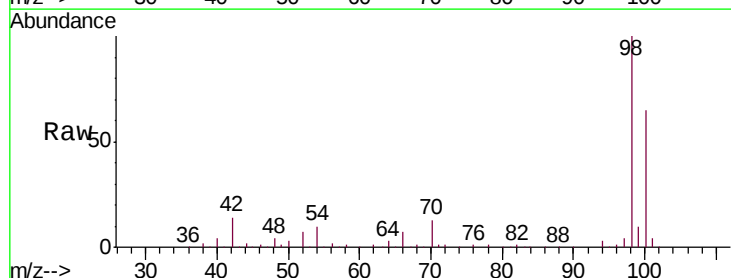
Acq: 23 Sep 2018 03:48

Tgt Ion: 43 Resp: 1195

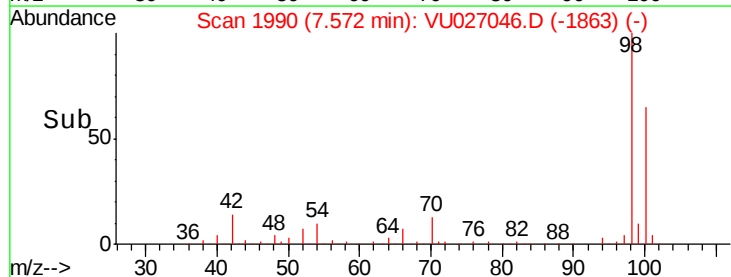
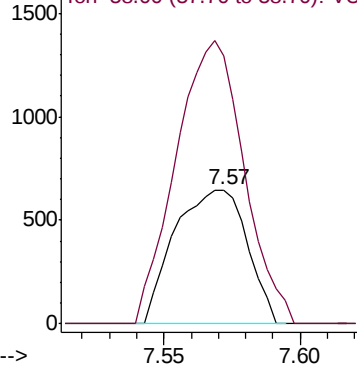
Ion Ratio Lower Upper

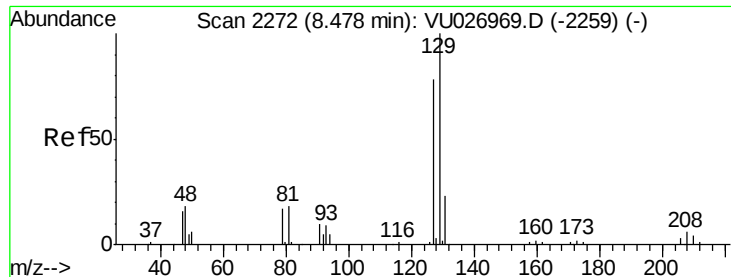
43 100

58 198.3 29.8 44.6#



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

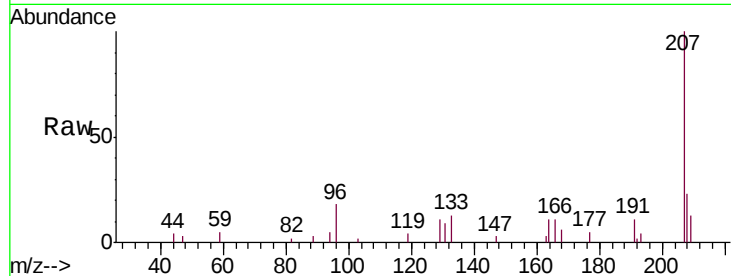




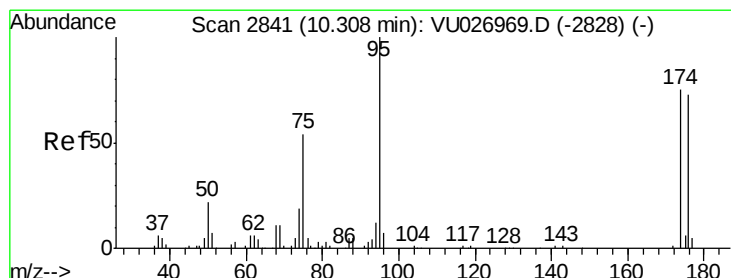
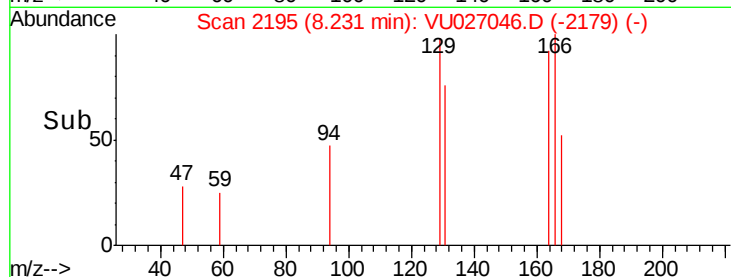
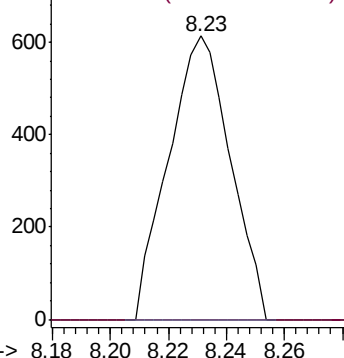
#60
Dibromochloromethane
Concen: 0.595 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. -0.25 min
Lab File: VU027046.D
Acq: 23 Sep 2018 03:48

Instrument :
MSVOA_U
ClientSampleId :
BPS1-TT-MW309D-20180915

Tgt Ion: 129 Resp: 907
Ion Ratio Lower Upper
129 100
127 0.0 38.1 114.5#

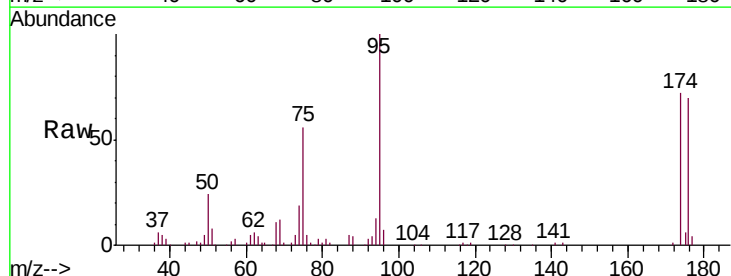


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

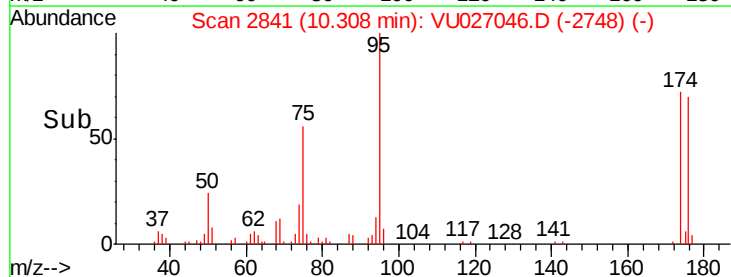
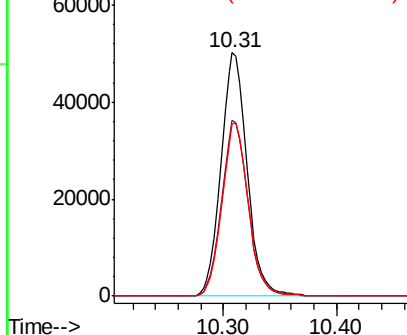


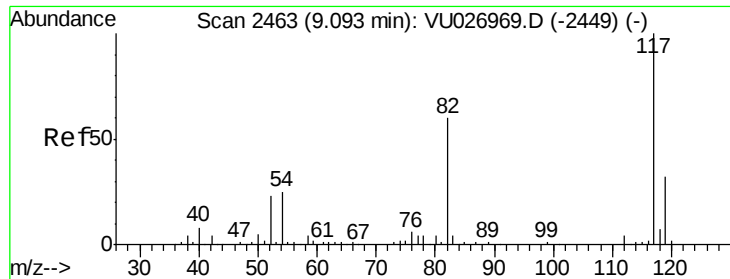
#62
4-Bromofluorobenzene
Concen: 45.089 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027046.D
Acq: 23 Sep 2018 03:48

Tgt Ion: 95 Resp: 80585
Ion Ratio Lower Upper
95 100
174 73.0 0.0 150.2
176 71.4 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

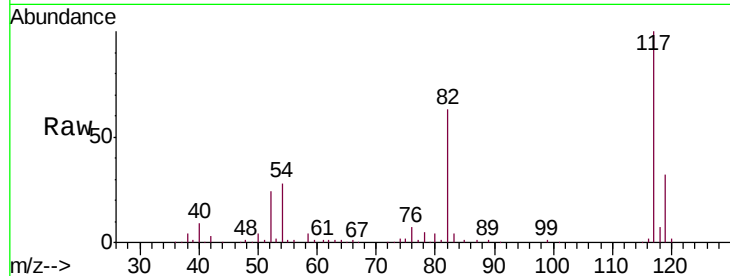




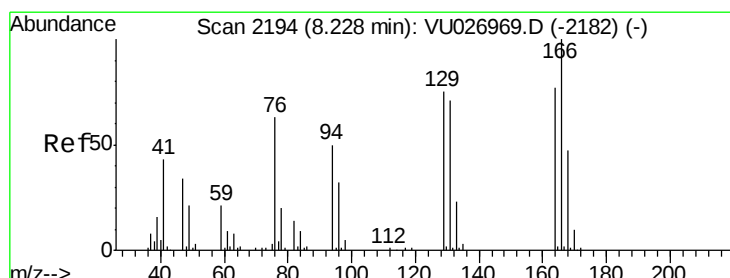
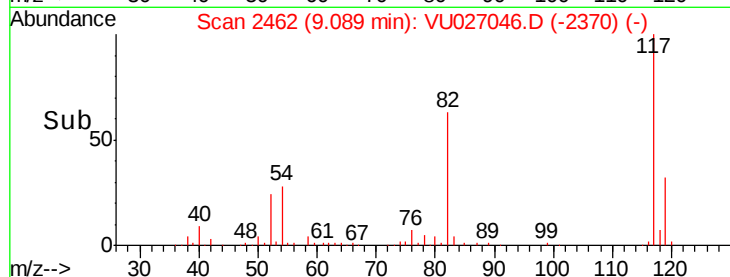
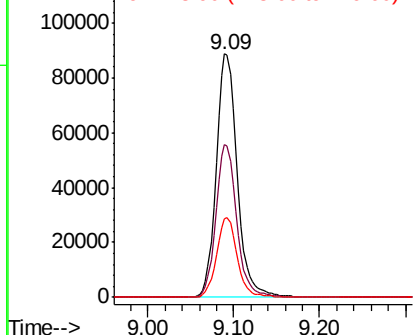
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027046.D
Acq: 23 Sep 2018 03:48

Instrument :
MSVOA_U
ClientSampleId :
BPS1-TT-MW309D-20180915

Tgt Ion:117 Resp: 150936
Ion Ratio Lower Upper
117 100
82 62.9 48.0 72.0
119 32.3 25.8 38.8



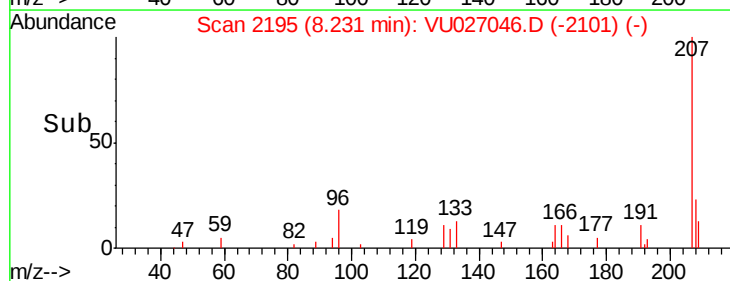
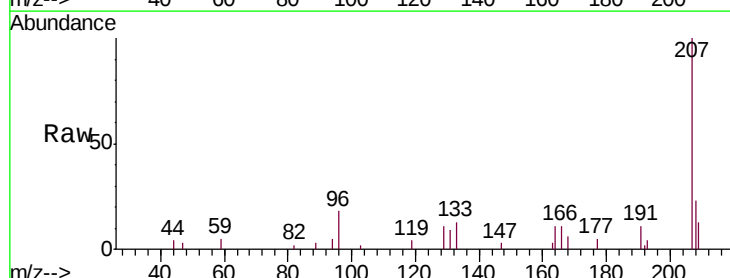
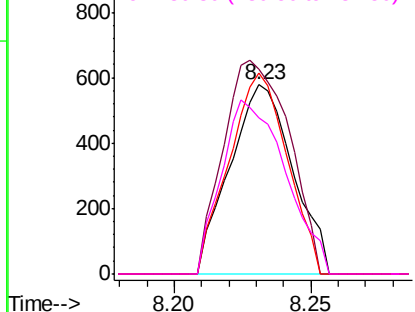
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

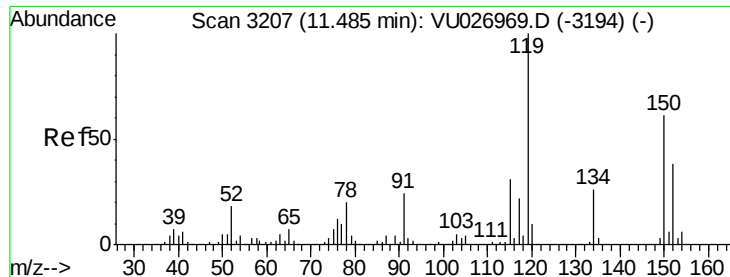


#64
Tetrachloroethene
Concen: 0.795 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU027046.D
Acq: 23 Sep 2018 03:48

Tgt Ion:164 Resp: 925
Ion Ratio Lower Upper
164 100
166 108.5 104.4 156.6
129 106.1 78.7 118.1
131 82.4 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: VU027046.D

Acq: 23 Sep 2018 03:48

Instrument :

MSVOA_U

ClientSampleId :

BPS1-TT-MW309D-20180915

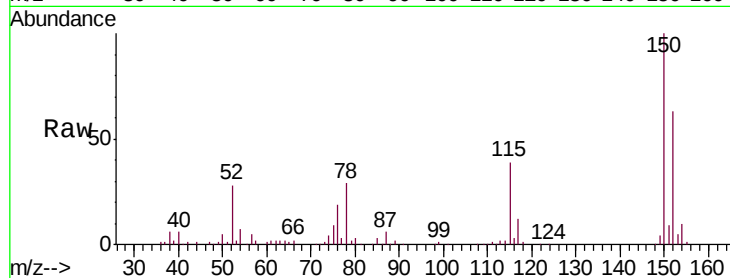
Tgt Ion:152 Resp: 68247

Ion Ratio Lower Upper

152 100

115 62.3 44.9 134.5

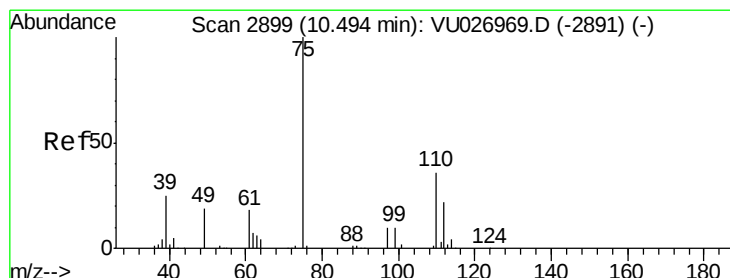
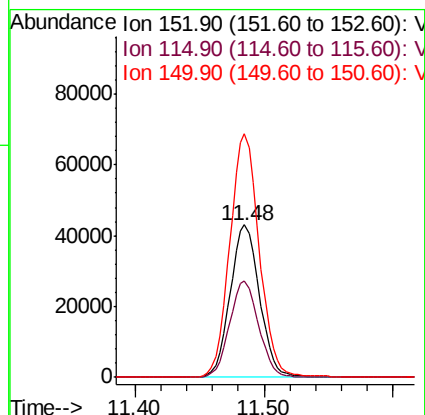
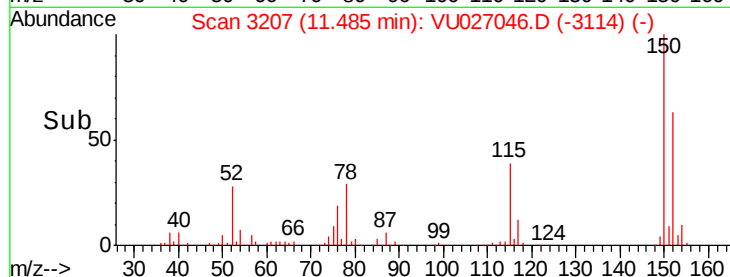
150 159.6 0.0 355.8



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: 21.618 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027046.D

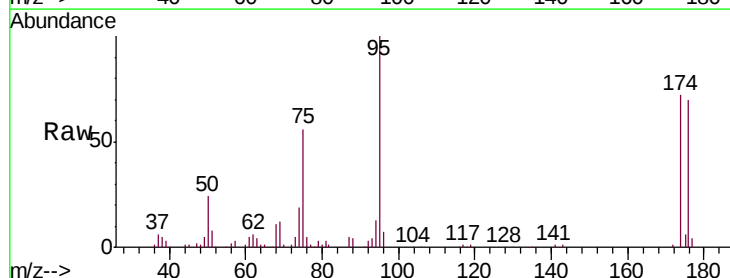
Acq: 23 Sep 2018 03:48

Tgt Ion: 75 Resp: 44821

Ion Ratio Lower Upper

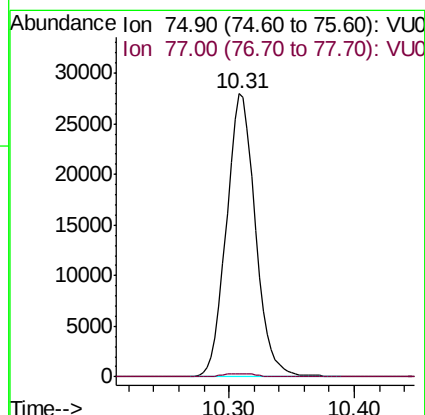
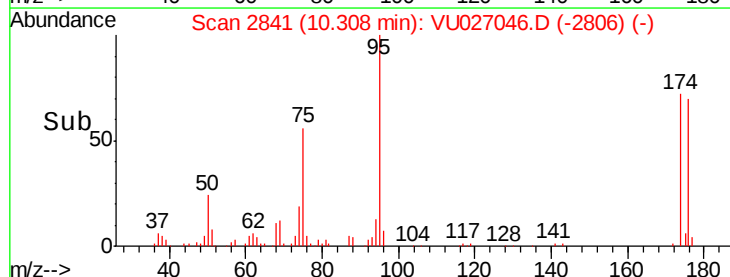
75 100

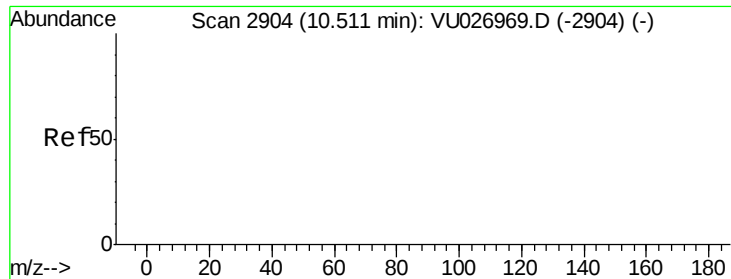
77 1.3 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

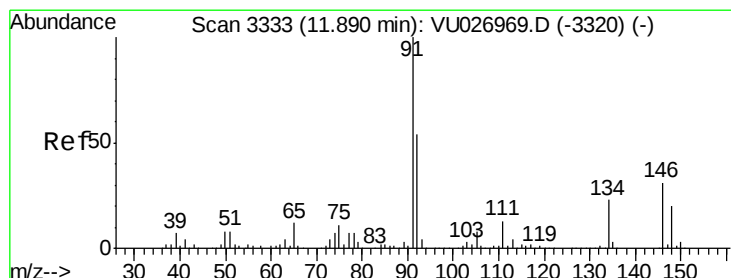
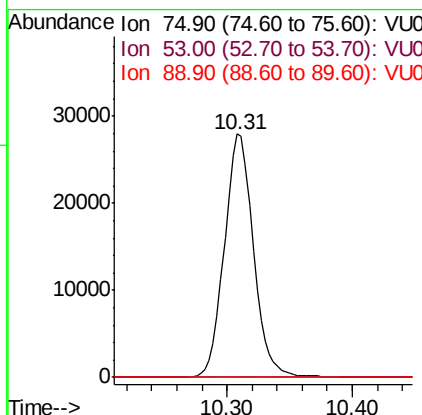
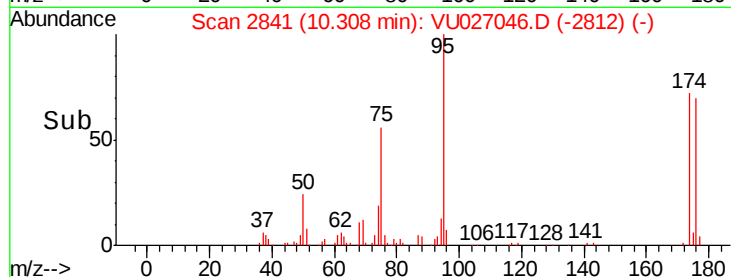
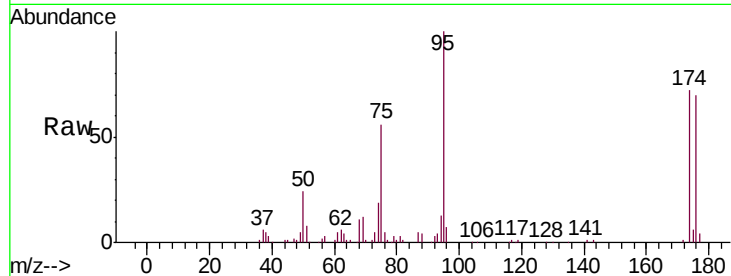




#81
trans-1,4-Dichloro-2-butene
Concen: 69.181 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.21 min
Lab File: VU027046.D
Acq: 23 Sep 2018 03:48

Instrument :
MSVOA_U
ClientSampleId :
BPS1-TT-MW309D-20180915

Tgt Ion: 75 Resp: 44821
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#89
n-Butylbenzene
Concen: 2.396 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU027046.D
Acq: 23 Sep 2018 03:48

Tgt Ion: 91 Resp: 20
Ion Ratio Lower Upper
91 100
92 0.0 27.1 81.2#
134 0.0 11.7 35.0#

