

Data File : VU027025.D
Acq On : 22 Sep 2018 18:54
Operator : MD/SY
Sample : J4958-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW309S-20180915

Quant Time: Sep 24 02:52:36 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	96783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	161387	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	153155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	70871	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	98779	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
35) Dibromofluoromethane	4.89	113	68478	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
50) Toluene-d8	7.57	98	250157	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
62) 4-Bromofluorobenzene	10.31	95	81745	44.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.38%	

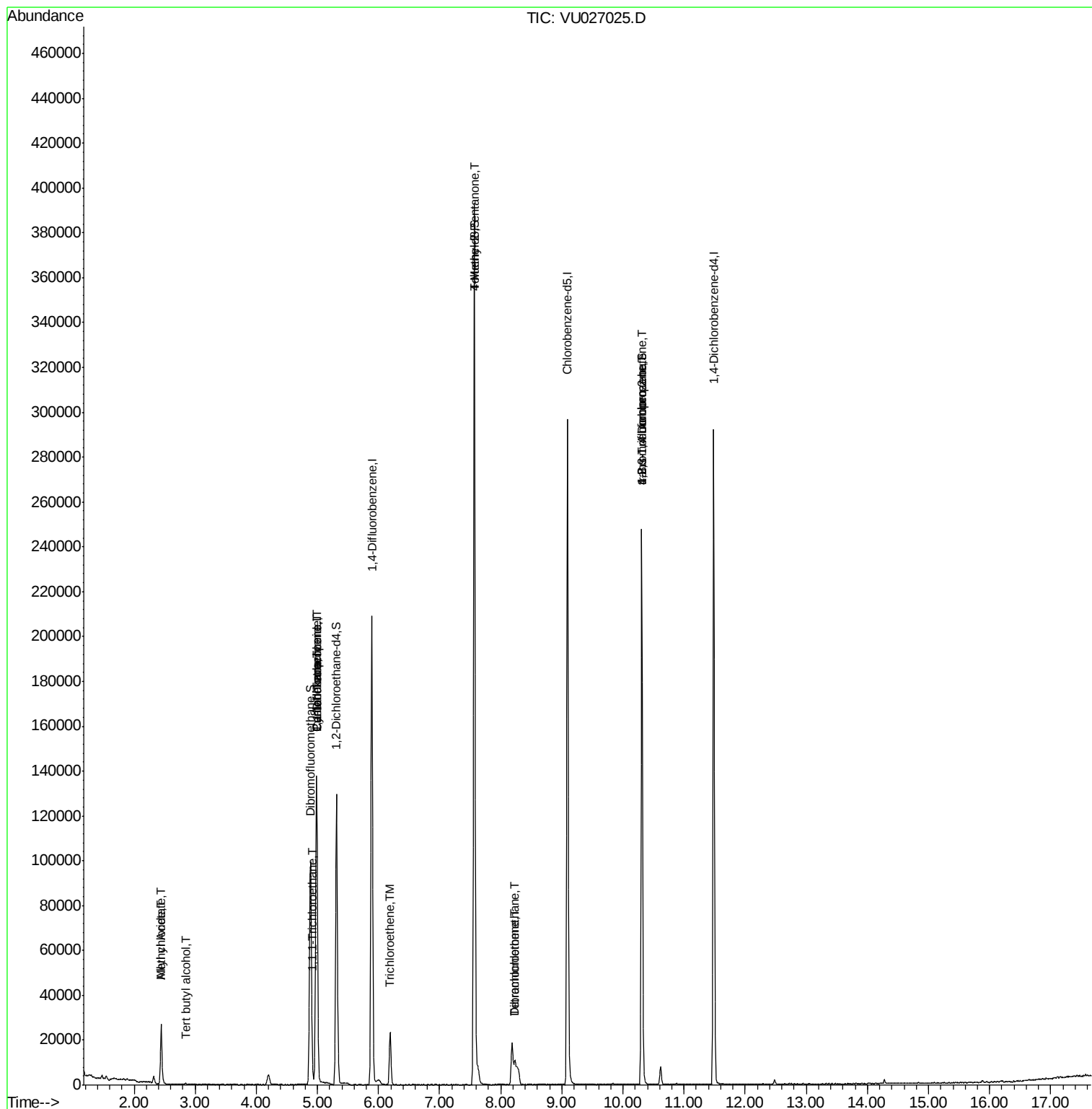
Target Compounds

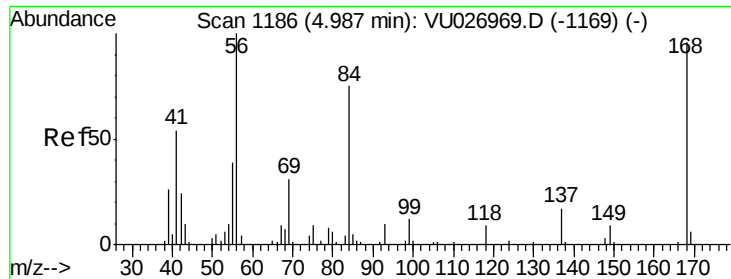
					Qvalue	
11) Tert butyl alcohol	2.85	59	324	0.726	ug/l #	72
14) Allyl chloride	2.44	41	2754	1.016	ug/l #	75
16) Acetone	2.32	43	2984	Below Cal	#	88
18) Methyl Acetate	2.44	43	6900	2.489	ug/l #	55
31) Cyclohexane	4.98	56	2404	0.256	ug/l #	1
32) 1,1,1-Trichloroethane	4.92	97	1524	0.644	ug/l #	53
36) 1,1-Dichloropropene	4.99	75	9017	4.186	ug/l #	49
38) Carbon Tetrachloride	4.98	117	10073	4.914	ug/l #	18
44) Trichloroethene	6.19	130	8002	5.740	ug/l	93
51) 4-Methyl-2-Pentanone	7.57	43	1283	0.449	ug/l #	1
60) Dibromochloromethane	8.23	129	505	0.324	ug/l #	11
64) Tetrachloroethene	8.23	164	710	0.602	ug/l #	86
76) 1,2,3-Trichloropropane	10.31	75	44311	20.581	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	44311	65.862	ug/l #	100

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

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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: VU027025.D

Acq: 22 Sep 2018 18:54

Instrument :

MSVOA_U

ClientSampleId :

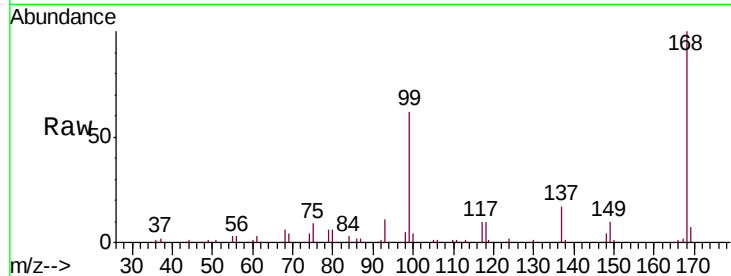
BPSI-TT-MW309S-20180915

Tgt Ion:168 Resp: 96783

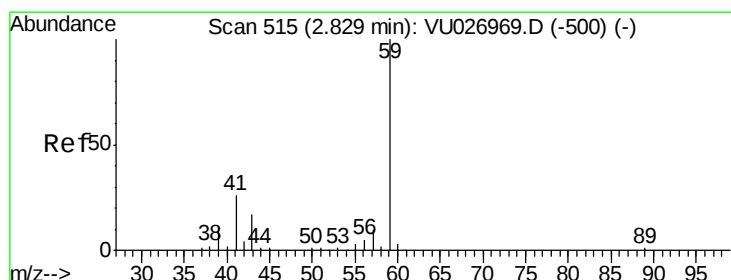
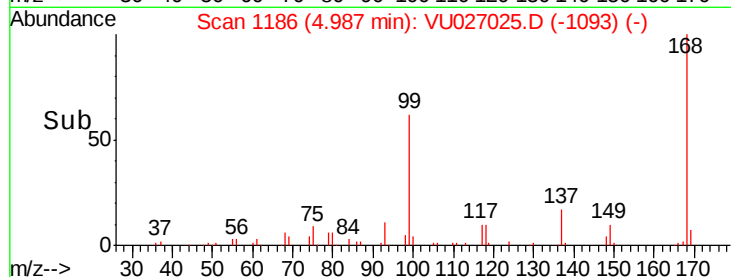
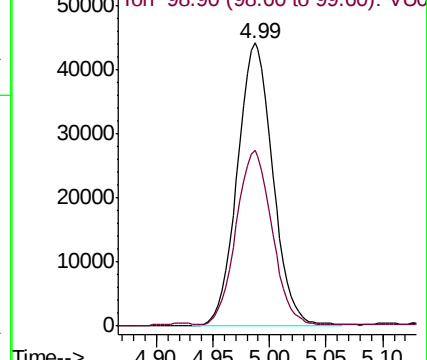
Ion Ratio Lower Upper

168 100

99 61.4 48.1 72.1



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



#11

Tert butyl alcohol

Concen: 0.726 ug/l

RT: 2.85 min Scan# 521

Delta R.T. 0.02 min

Lab File: VU027025.D

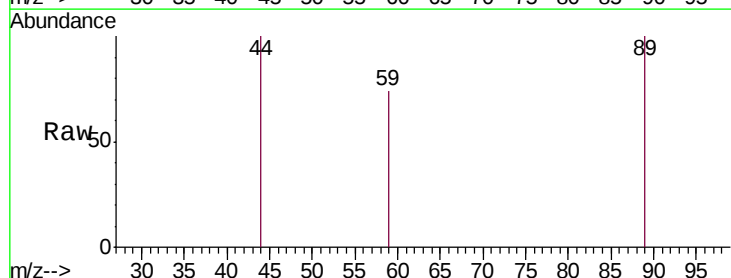
Acq: 22 Sep 2018 18:54

Tgt Ion: 59 Resp: 324

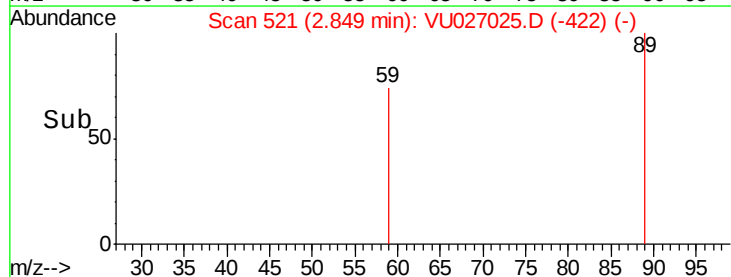
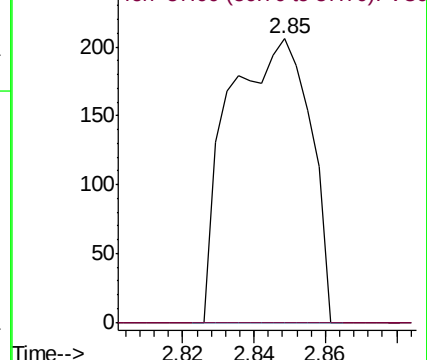
Ion Ratio Lower Upper

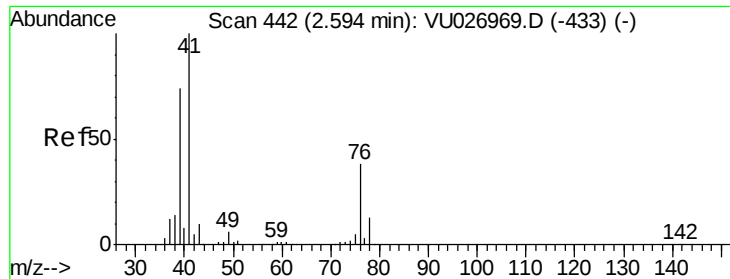
59 100

57 0.0 8.5 12.7#



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

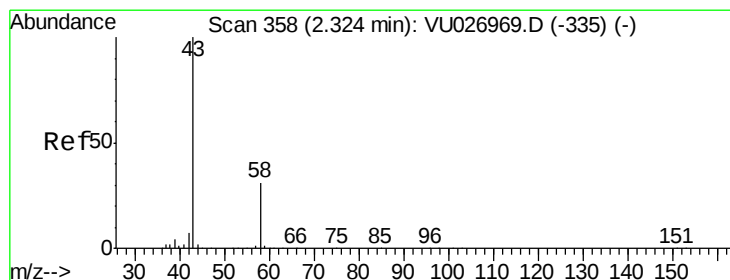
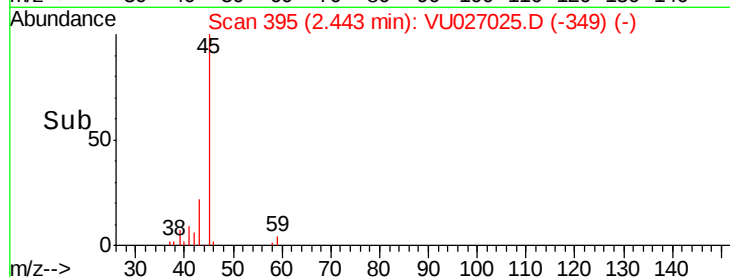
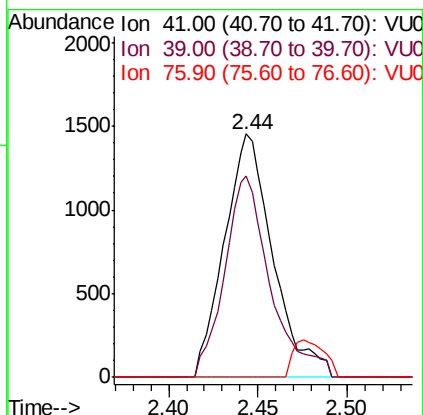
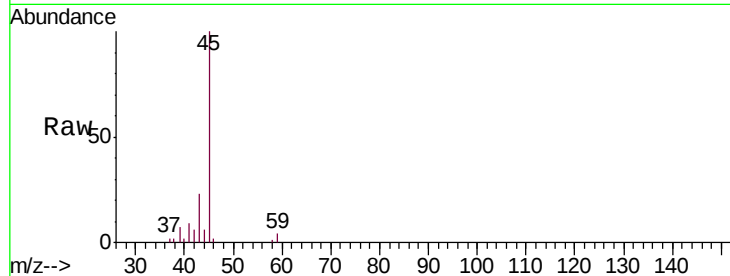




#14
 Allyl chloride
 Concen: 1.016 ug/l
 RT: 2.44 min Scan# 395
 Delta R.T. -0.15 min
 Lab File: VU027025.D
 Acq: 22 Sep 2018 18:54

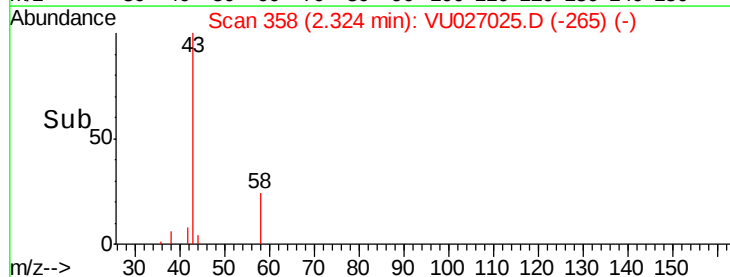
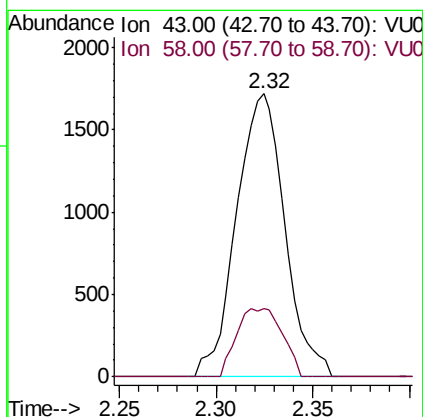
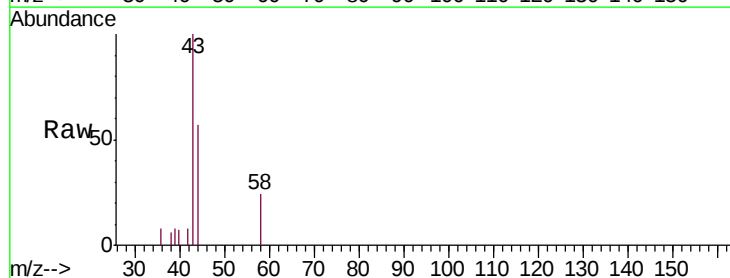
Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW309S-20180915

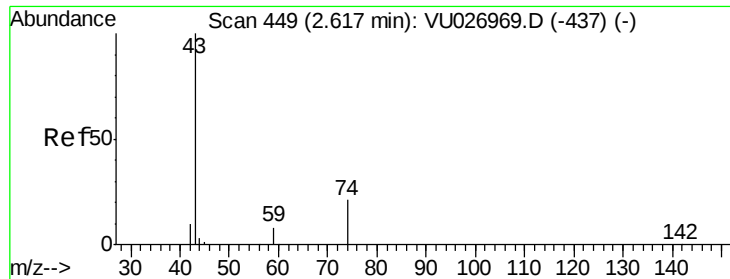
Tgt Ion: 41 Resp: 2754
 Ion Ratio Lower Upper
 41 100
 39 77.5 55.7 83.5
 76 0.0 26.5 39.7#



#16
 Acetone
 Concen: Below Cal
 RT: 2.32 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VU027025.D
 Acq: 22 Sep 2018 18:54

Tgt Ion: 43 Resp: 2984
 Ion Ratio Lower Upper
 43 100
 58 24.1 24.6 36.8#

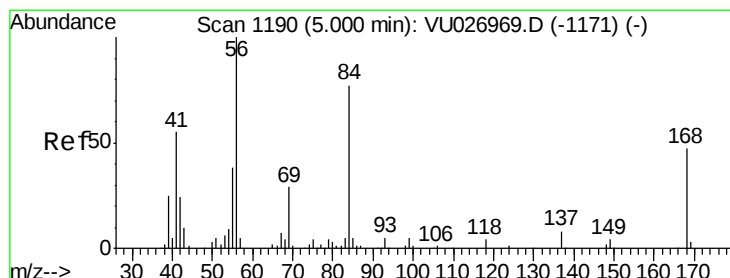
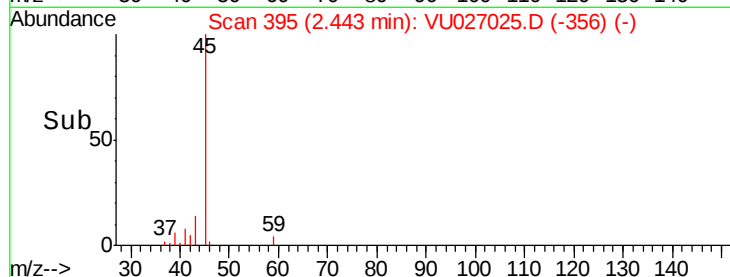
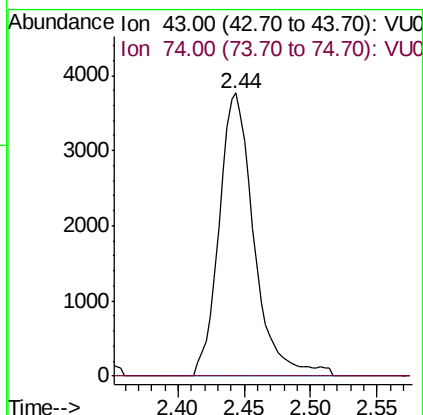
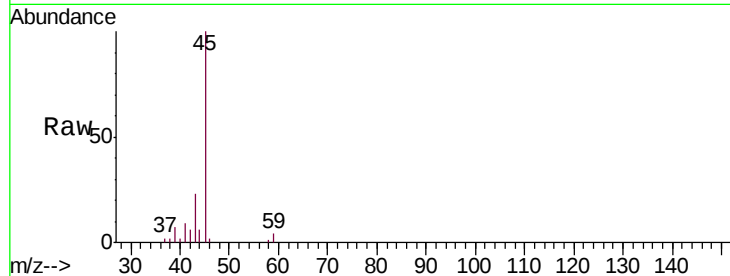




#18
Methyl Acetate
Concen: 2.489 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU027025.D
Acq: 22 Sep 2018 18:54

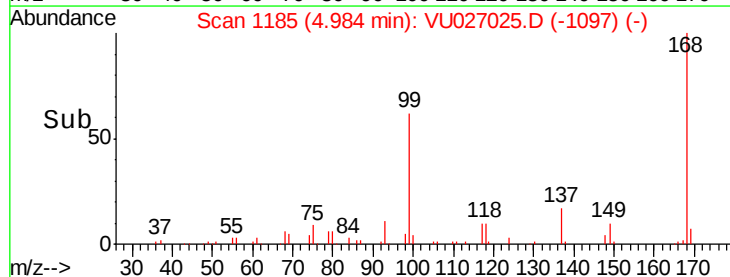
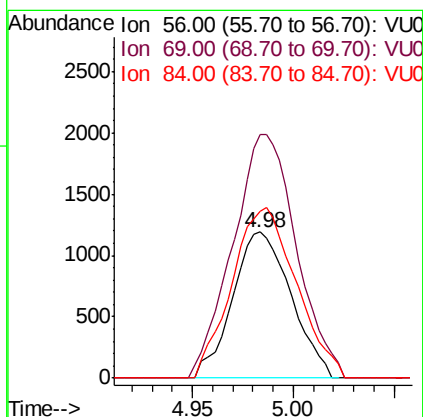
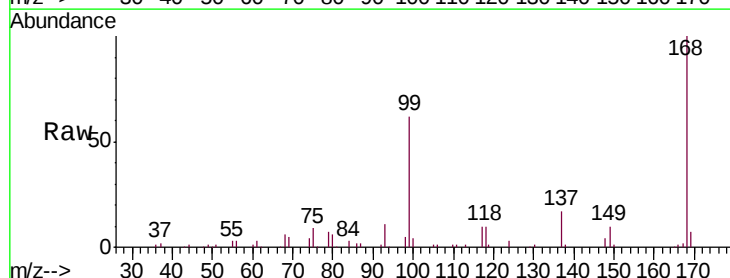
Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW309S-20180915

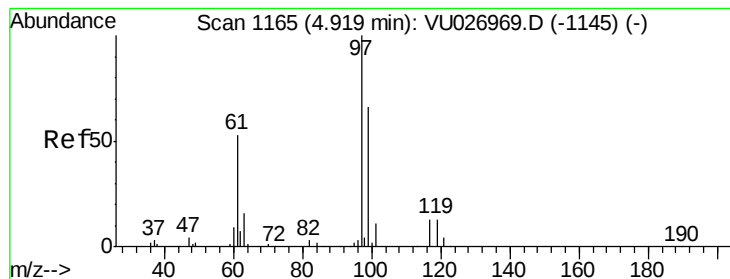
Tgt Ion: 43 Resp: 6900
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



#31
Cyclohexane
Concen: 0.256 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU027025.D
Acq: 22 Sep 2018 18:54

Tgt Ion: 56 Resp: 2404
Ion Ratio Lower Upper
56 100
69 166.6 23.0 34.4#
84 113.9 61.4 92.2#





#32

1,1,1-Trichloroethane

Concen: 0.644 ug/l

RT: 4.92 min Scan# 1165

Delta R.T. 0.00 min

Lab File: VU027025.D

Acq: 22 Sep 2018 18:54

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW309S-20180915

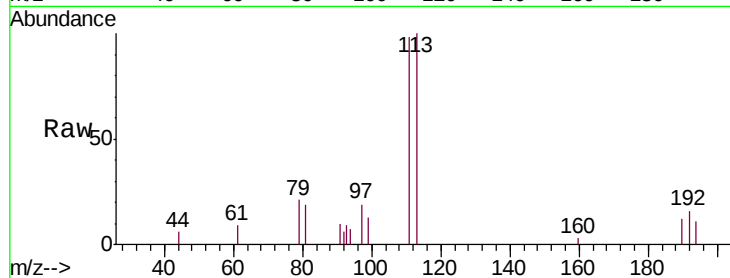
Tgt Ion: 97 Resp: 1524

Ion Ratio Lower Upper

97 100

99 0.0 51.8 77.6#

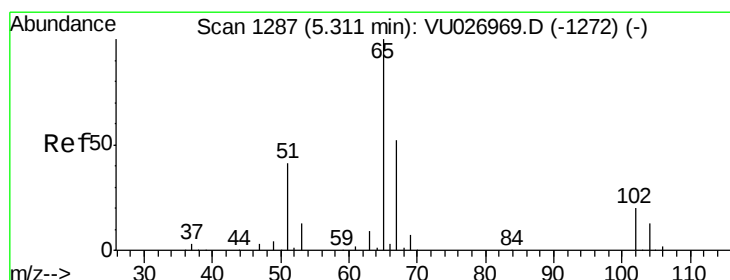
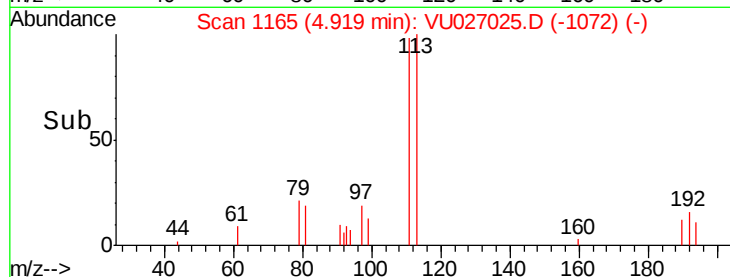
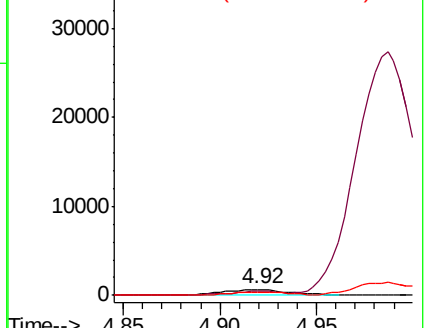
61 49.3 41.1 61.7



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

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

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



#33

1,2-Dichloroethane-d4

Concen: 50.710 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027025.D

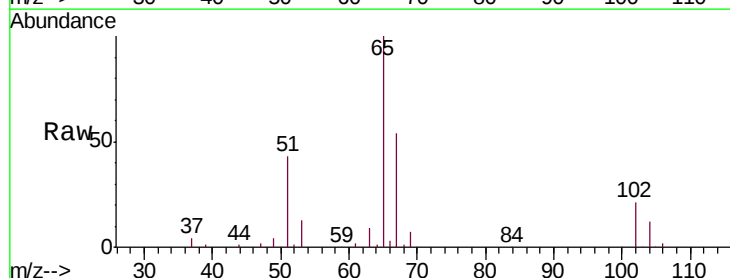
Acq: 22 Sep 2018 18:54

Tgt Ion: 65 Resp: 98779

Ion Ratio Lower Upper

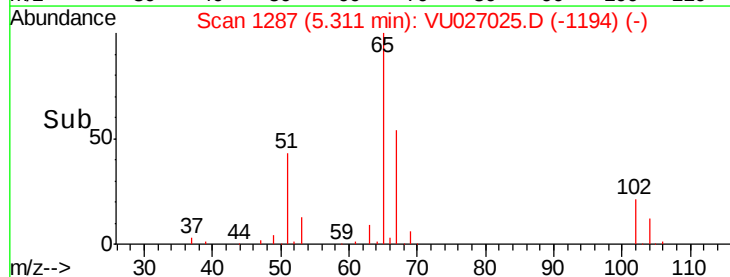
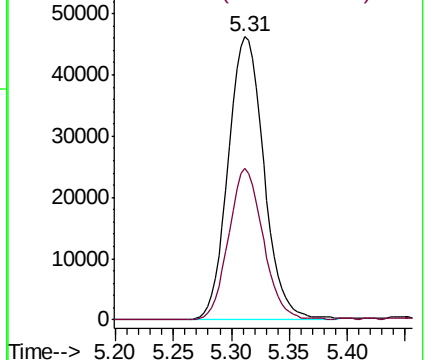
65 100

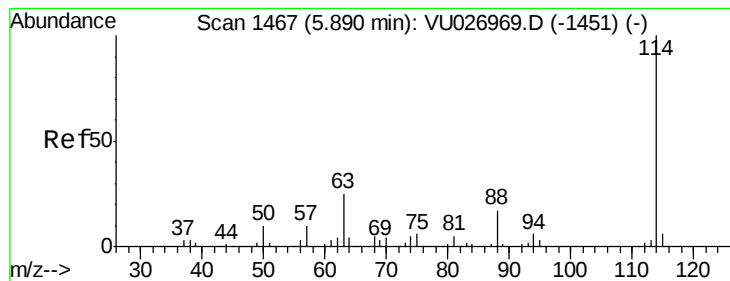
67 51.8 0.0 105.6



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

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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VU027025.D

Acq: 22 Sep 2018 18:54

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW309S-20180915

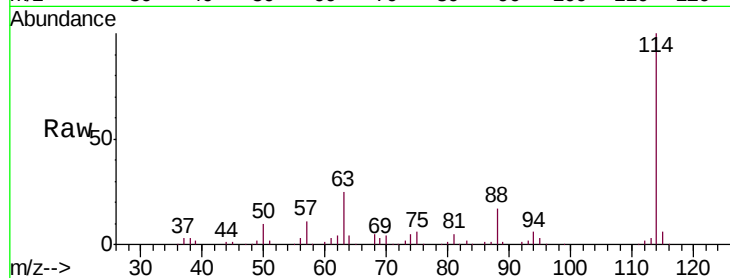
Tgt Ion:114 Resp: 161387

Ion Ratio Lower Upper

114 100

63 24.7 0.0 49.2

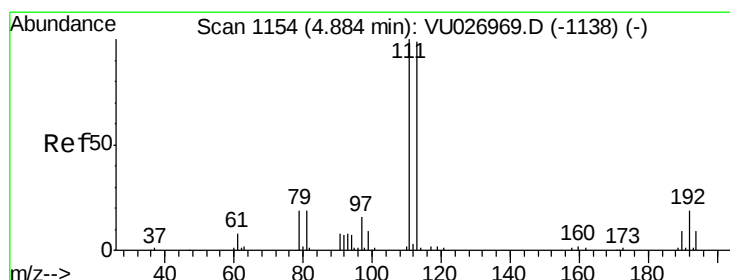
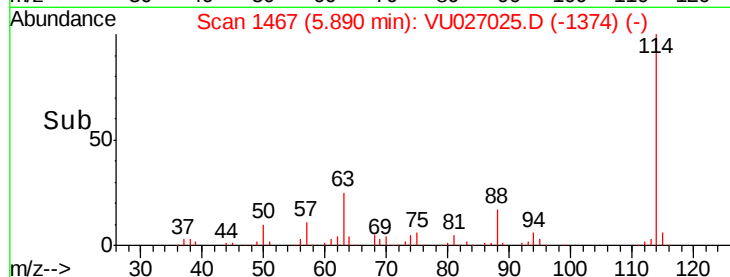
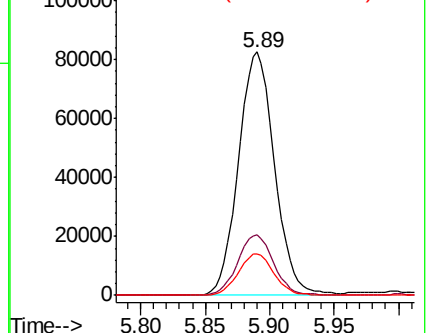
88 17.2 0.0 33.8



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: 48.951 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027025.D

Acq: 22 Sep 2018 18:54

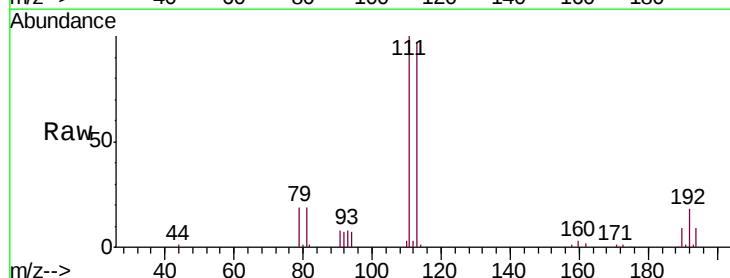
Tgt Ion:113 Resp: 68478

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.4

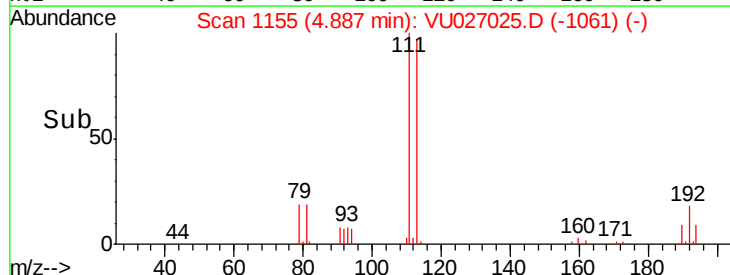
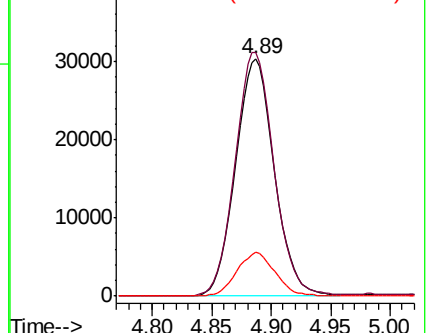
192 18.1 15.2 22.8

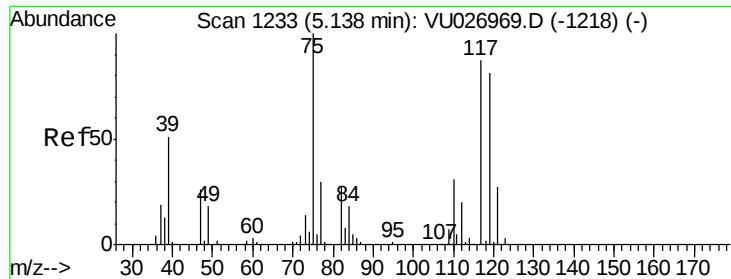


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

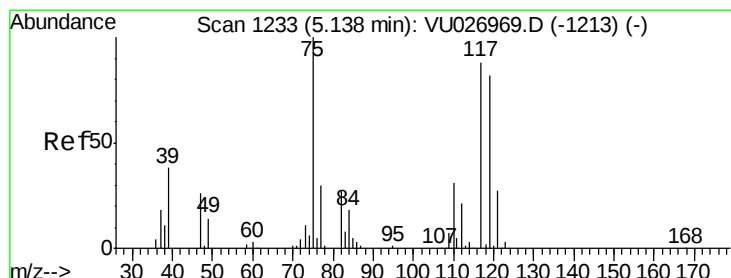
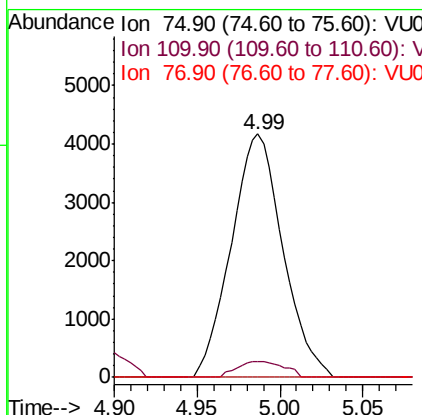
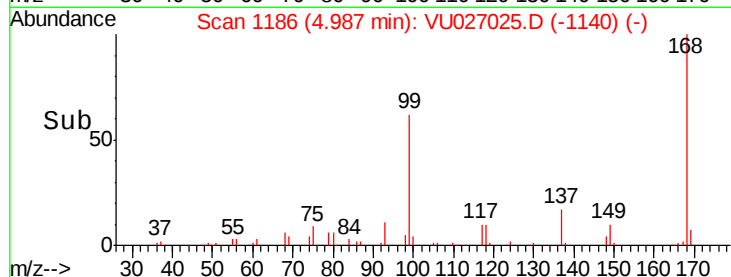
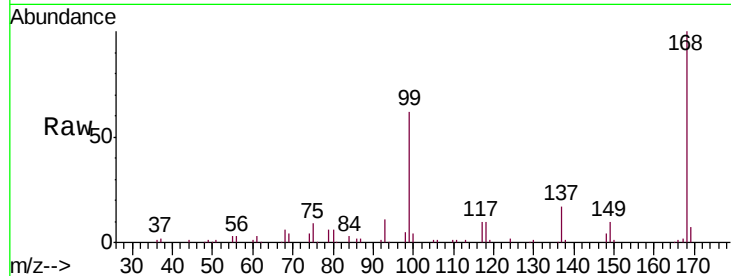




#36
 1,1-Dichloropropene
 Concen: 4.186 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027025.D
 Acq: 22 Sep 2018 18:54

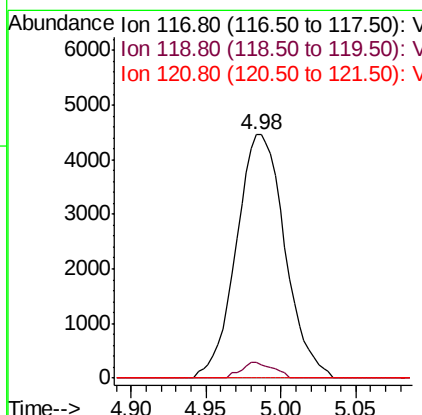
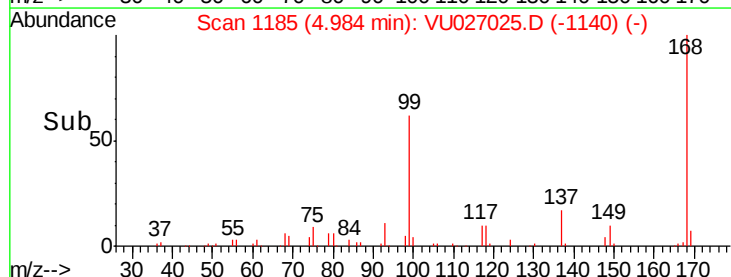
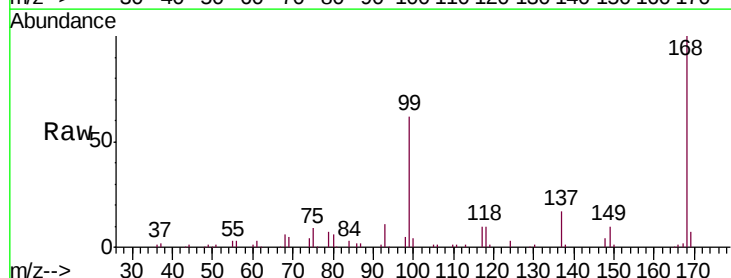
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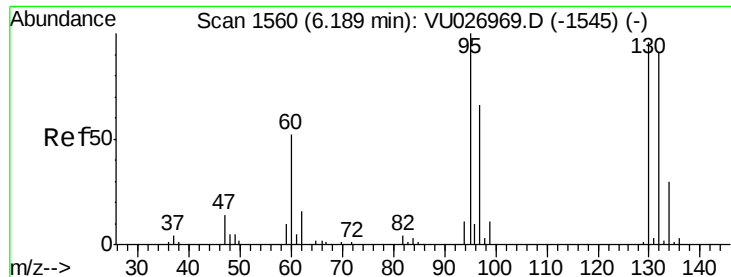
Tgt Ion: 75 Resp: 9017
 Ion Ratio Lower Upper
 75 100
 110 6.0 16.1 48.2#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 4.914 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027025.D
 Acq: 22 Sep 2018 18:54

Tgt Ion: 117 Resp: 10073
 Ion Ratio Lower Upper
 117 100
 119 6.3 74.4 111.6#
 121 0.0 24.2 36.4#





#44

Trichloroethene

Concen: 5.740 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027025.D

Acq: 22 Sep 2018 18:54

Instrument :

MSVOA_U

ClientSampleId :

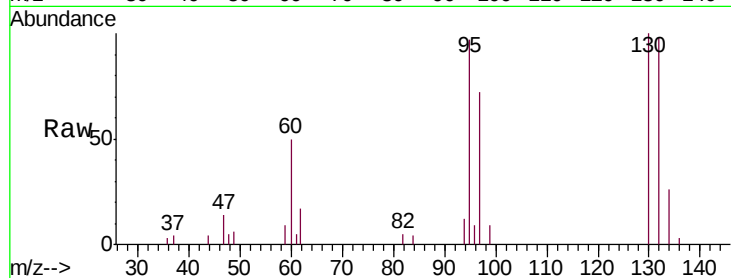
BPSI-TT-MW309S-20180915

Tgt Ion:130 Resp: 8002

Ion Ratio Lower Upper

130 100

95 97.2 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): VU026969.D (-1545) (-)

Ion 94.90 (94.60 to 95.60): VU026969.D (-1545) (-)

6.19

4000

3000

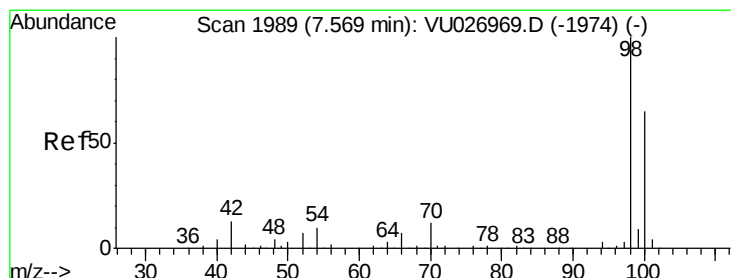
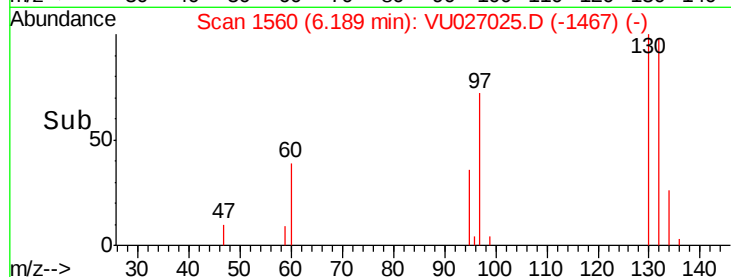
2000

1000

0

6.15 6.20 6.25

Time-->



#50

Toluene-d8

Concen: 46.922 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027025.D

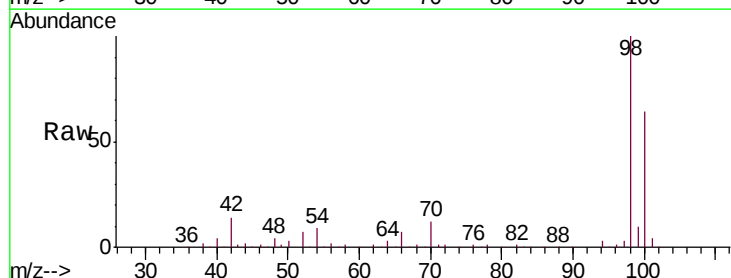
Acq: 22 Sep 2018 18:54

Tgt Ion: 98 Resp: 250157

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) (-)

7.57

150000

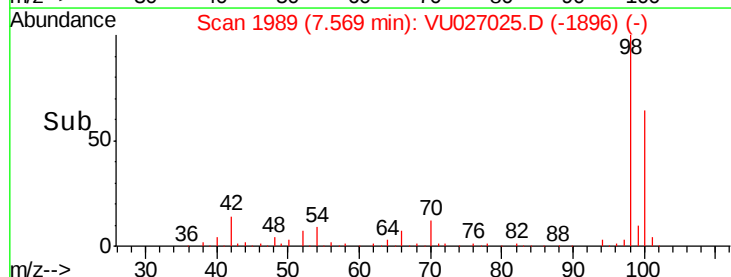
100000

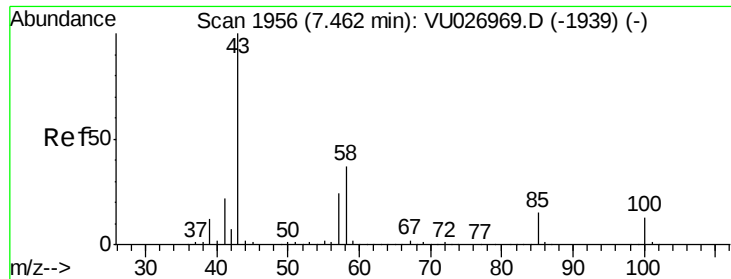
50000

0

7.50 7.55 7.60

Time-->

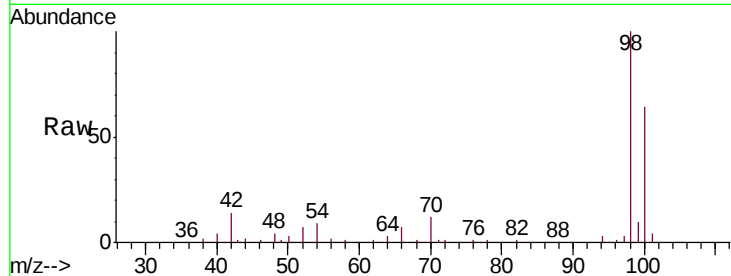




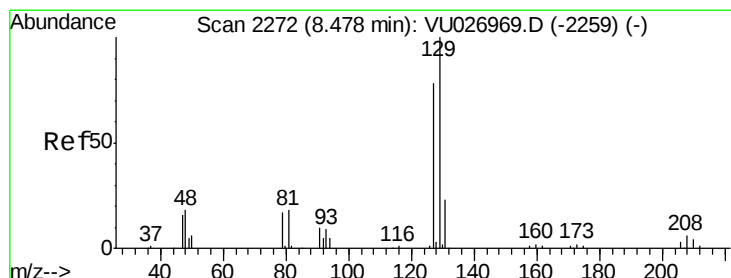
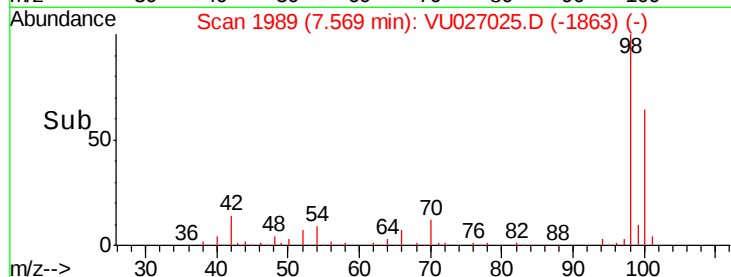
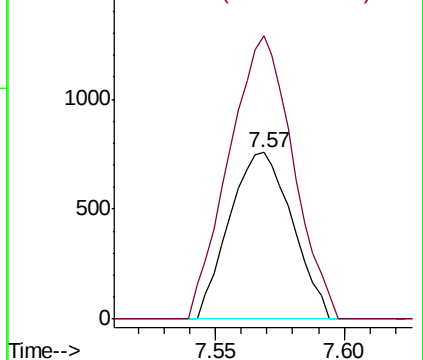
#51
 4-Methyl-2-Pentanone
 Concen: 0.449 ug/l
 RT: 7.57 min Scan# 1989
 Delta R.T. 0.11 min
 Lab File: VU027025.D
 Acq: 22 Sep 2018 18:54

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW309S-20180915

Tgt Ion: 43 Resp: 1283
 Ion Ratio Lower Upper
 43 100
 58 174.0 29.8 44.6#

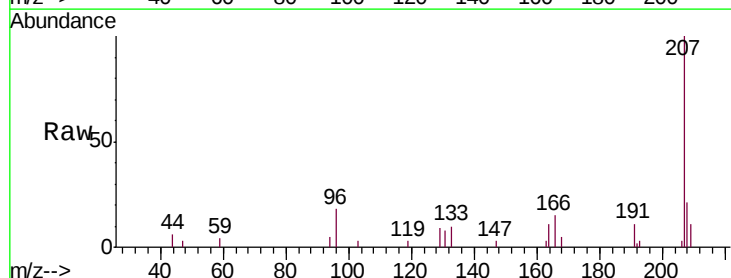


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0

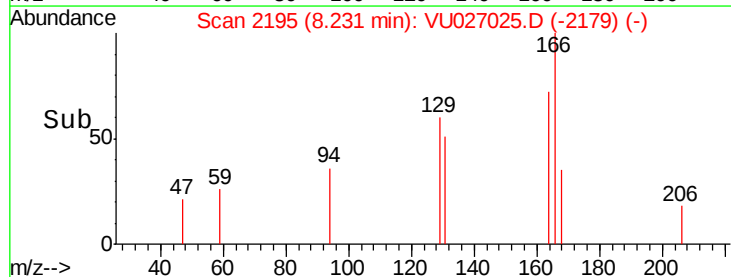
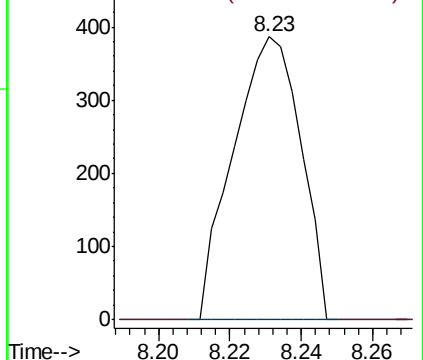


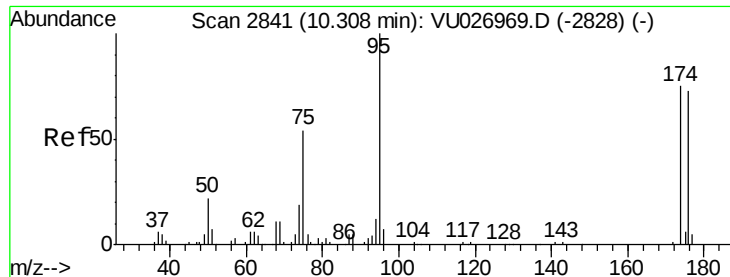
#60
 Dibromochloromethane
 Concen: 0.324 ug/l
 RT: 8.23 min Scan# 2195
 Delta R.T. -0.25 min
 Lab File: VU027025.D
 Acq: 22 Sep 2018 18:54

Tgt Ion: 129 Resp: 505
 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: 44.686 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027025.D

Acq: 22 Sep 2018 18:54

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW309S-20180915

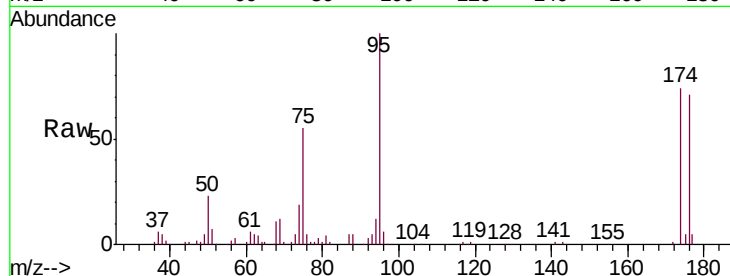
Tgt Ion: 95 Resp: 81745

Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.2

176 71.3 0.0 145.2

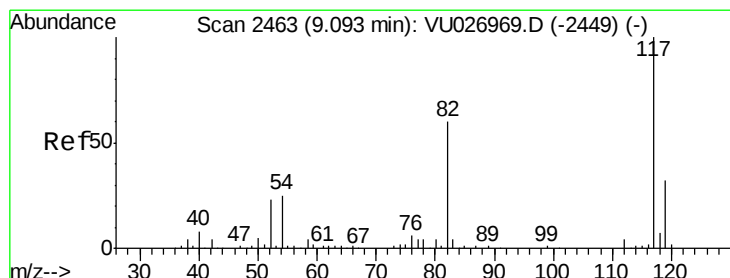
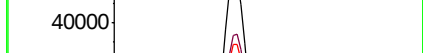
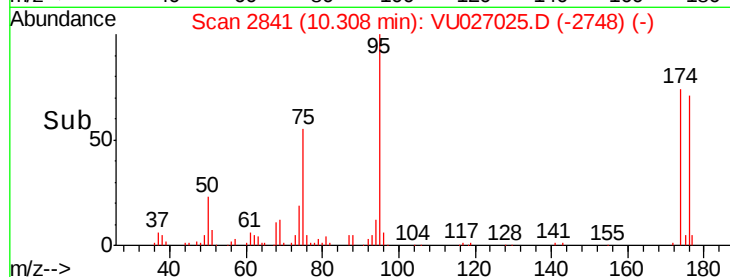


Abundance Ion 94.90 (94.60 to 95.60): VU026969.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU026969.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU026969.D (-2828) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VU027025.D

Acq: 22 Sep 2018 18:54

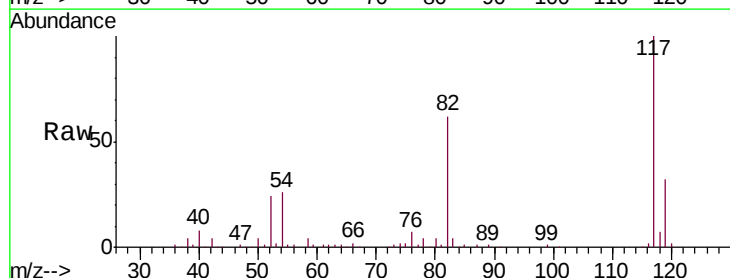
Tgt Ion: 117 Resp: 153155

Ion Ratio Lower Upper

117 100

82 61.8 48.0 72.0

119 32.1 25.8 38.8

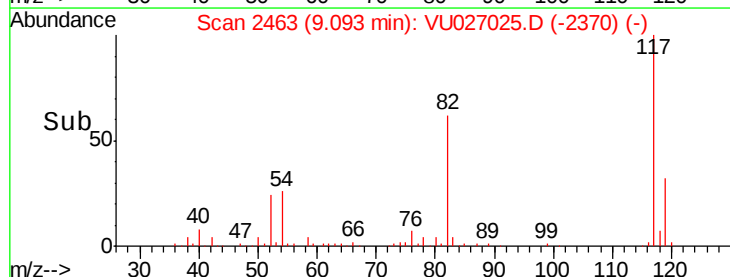


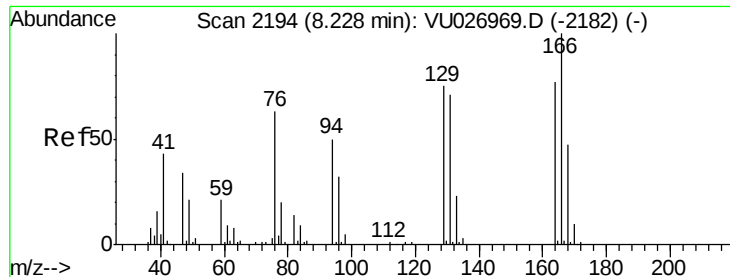
Abundance Ion 116.90 (116.60 to 117.60): VU026969.D (-2449) (-)

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

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

Time-->

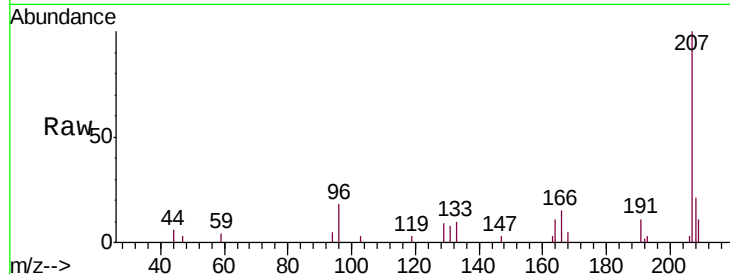




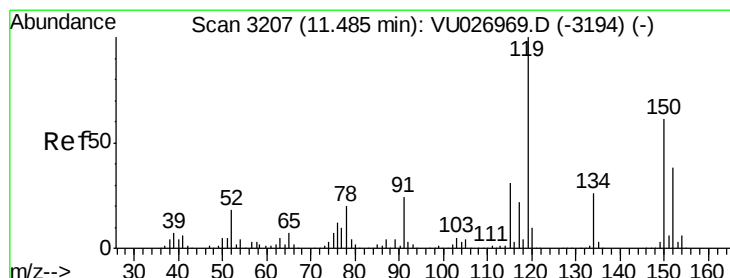
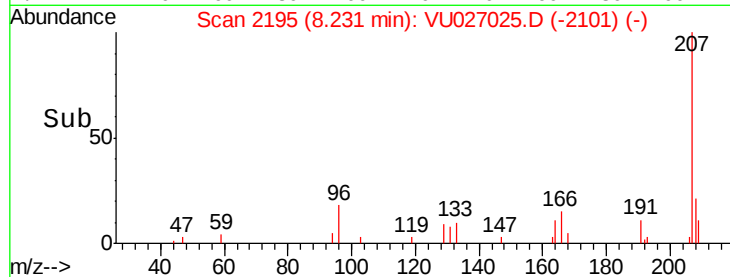
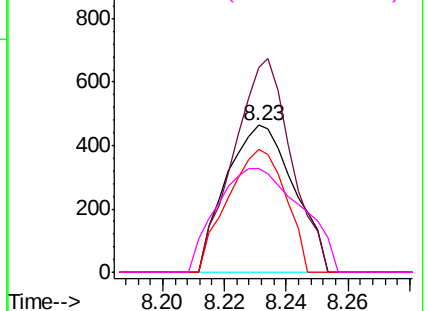
#64
Tetrachloroethene
Concen: 0.602 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU027025.D
Acq: 22 Sep 2018 18:54

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW309S-20180915

Tgt Ion:164 Resp: 710
Ion Ratio Lower Upper
164 100
166 139.4 104.4 156.6
129 83.4 78.7 118.1
131 70.9 73.9 110.9#

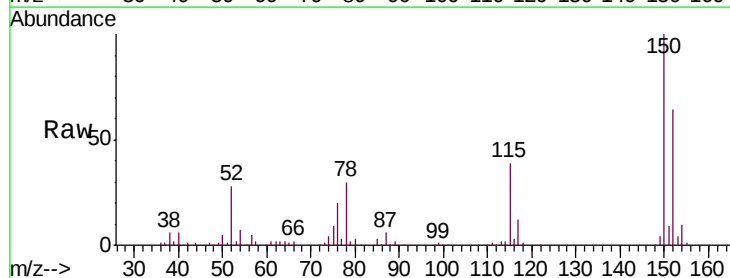


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

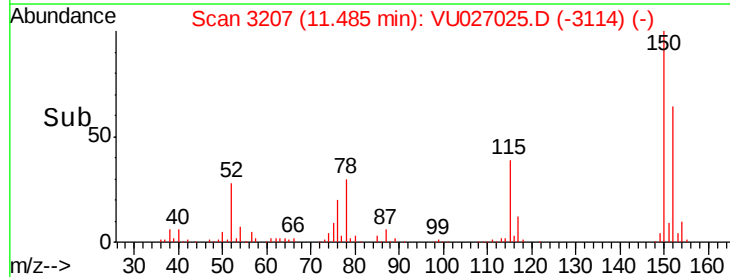
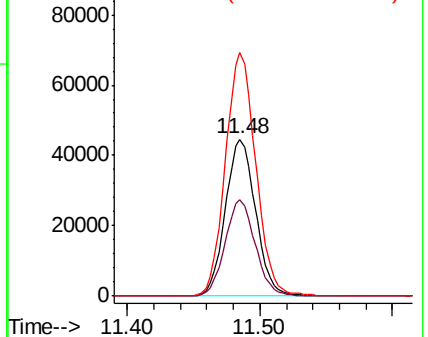


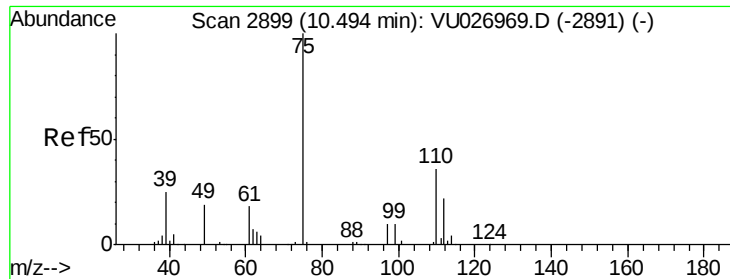
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027025.D
Acq: 22 Sep 2018 18:54

Tgt Ion:152 Resp: 70871
Ion Ratio Lower Upper
152 100
115 61.1 44.9 134.5
150 156.0 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: 20.581 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027025.D

Acq: 22 Sep 2018 18:54

Instrument :

MSVOA_U

ClientSampleId :

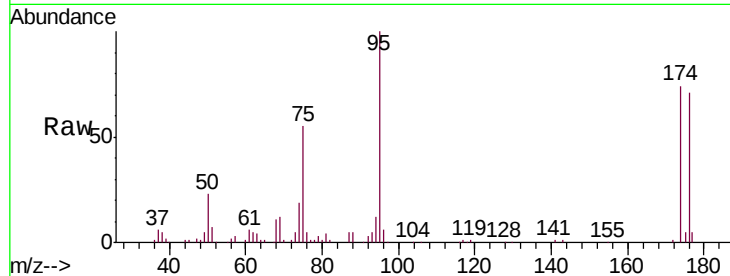
BPSI-TT-MW309S-20180915

Tgt Ion: 75 Resp: 44311

Ion Ratio Lower Upper

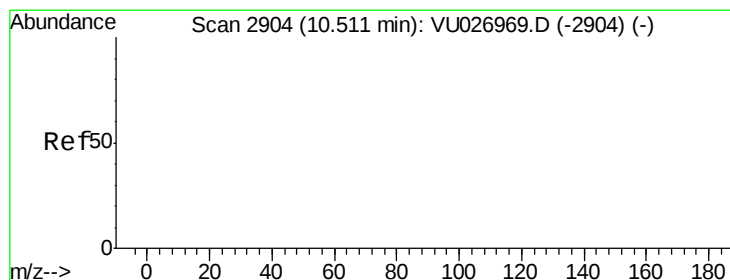
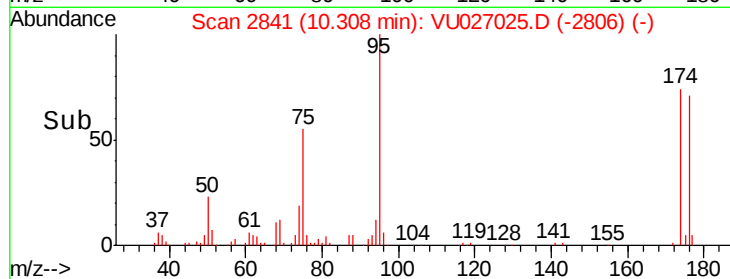
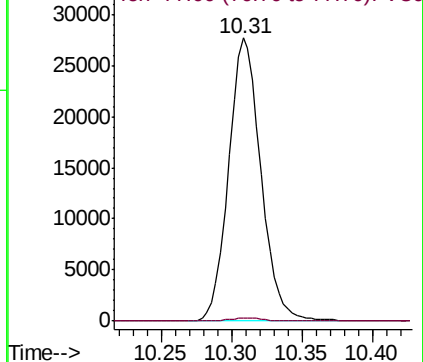
75 100

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: 65.862 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027025.D

Acq: 22 Sep 2018 18:54

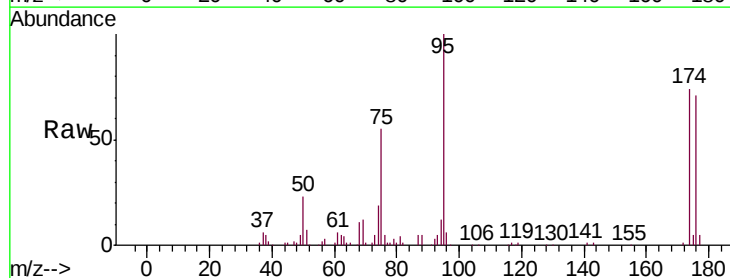
Tgt Ion: 75 Resp: 44311

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

