

Data File : VU027000.D
Acq On : 22 Sep 2018 06:31
Operator : MD/SY
Sample : J4934-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SA-MW128D-20180912

Quant Time: Sep 24 02:45:16 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	73576	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	150838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71815	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	89099	60.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.34%	
35) Dibromofluoromethane	4.89	113	67839	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
50) Toluene-d8	7.57	98	230003	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	
62) 4-Bromofluorobenzene	10.31	95	81649	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	

Target Compounds

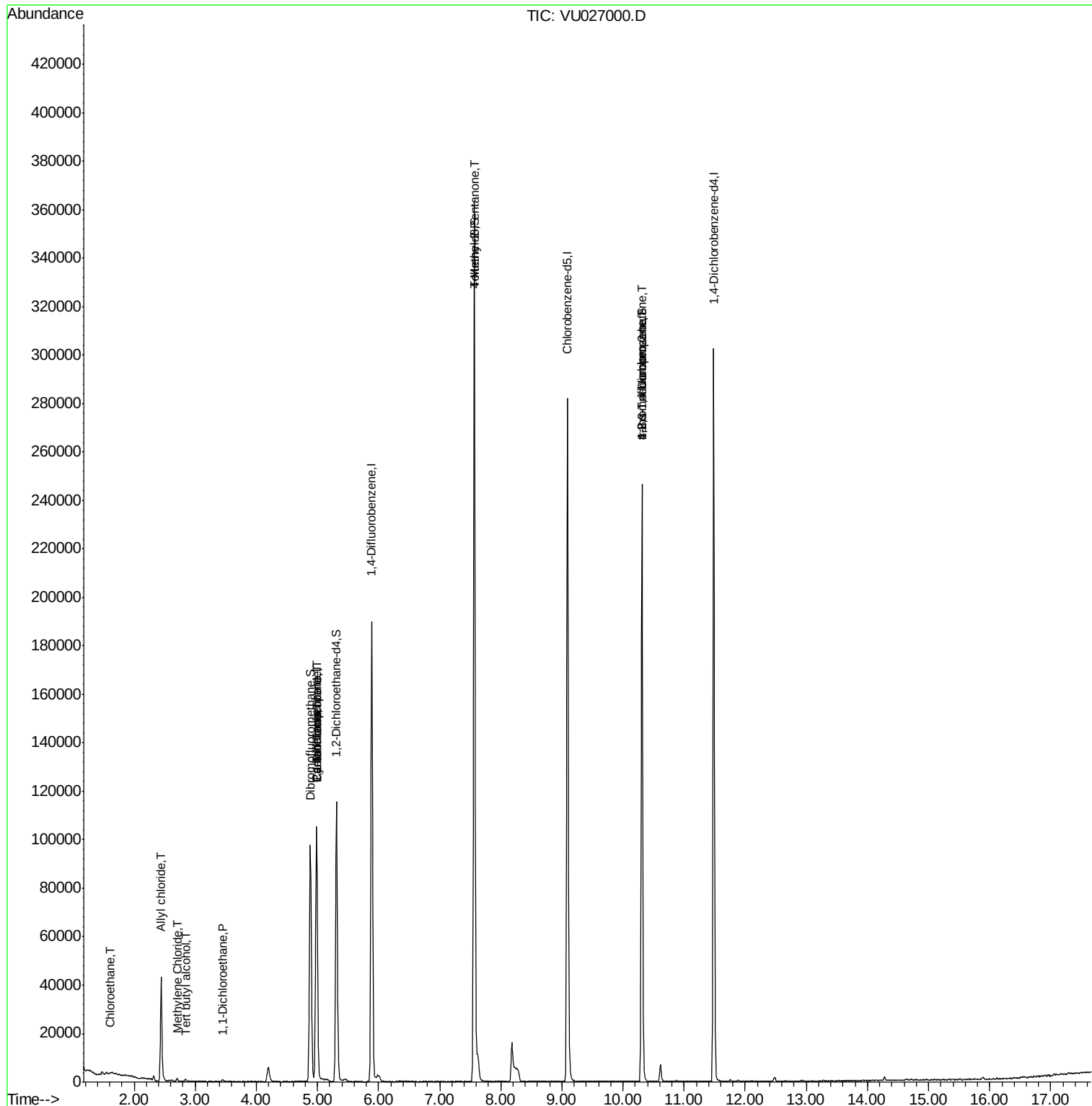
						Qvalue
6) Chloroethane	1.61	64	513	0.519	ug/l #	43
11) Tert butyl alcohol	2.84	59	615	1.812	ug/l #	72
14) Allyl chloride	2.44	41	4291	2.082	ug/l #	71
16) Acetone	2.32	43	2154	Below Cal	#	87
20) Methylene Chloride	2.70	84	490	0.369	ug/l #	78
24) 1,1-Dichloroethane	3.45	63	1163	0.479	ug/l #	84
31) Cyclohexane	4.99	56	1813	0.249	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	7235	3.678	ug/l #	47
38) Carbon Tetrachloride	4.98	117	7737	4.133	ug/l #	18
51) 4-Methyl-2-Pentanone	7.57	43	1283	0.491	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	44157	20.240	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	44157	64.770	ug/l #	100

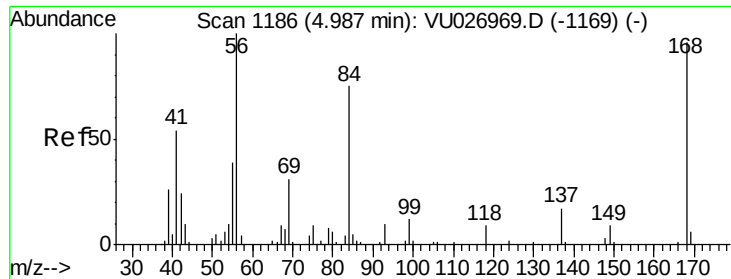
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027000.D

Acq: 22 Sep 2018 06:31

Instrument :

MSVOA_U

ClientSampleId :

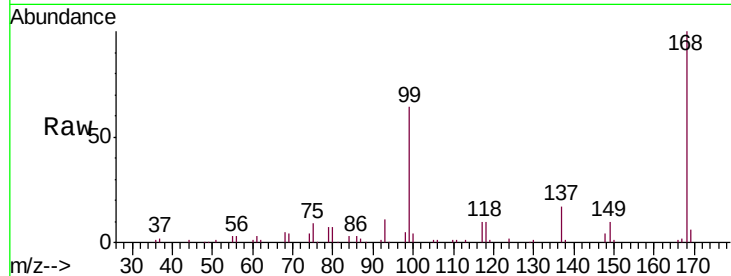
SA-MW128D-20180912

Tgt Ion:168 Resp: 73576

Ion Ratio Lower Upper

168 100

99 64.0 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

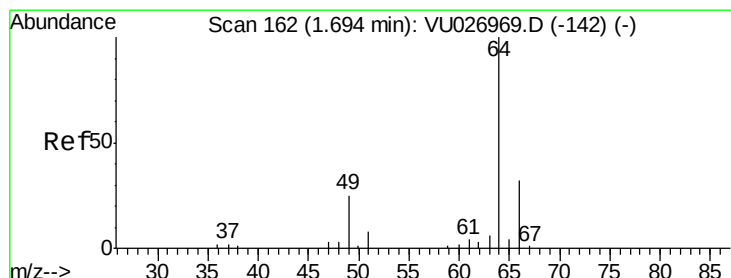
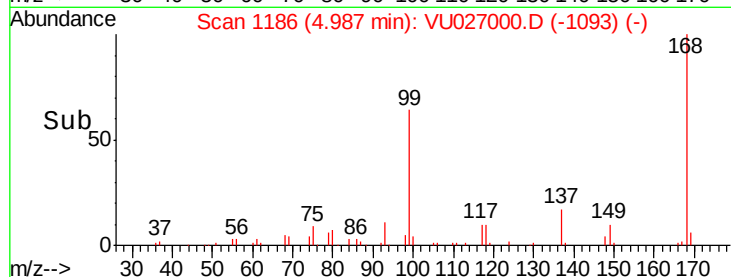
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#6

Chloroethane

Concen: 0.519 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.09 min

Lab File: VU027000.D

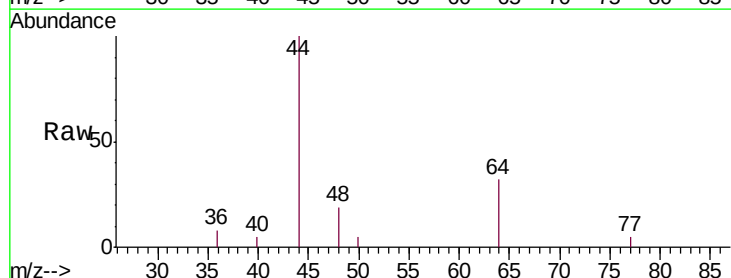
Acq: 22 Sep 2018 06:31

Tgt Ion: 64 Resp: 513

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



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

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

1.61

800

600

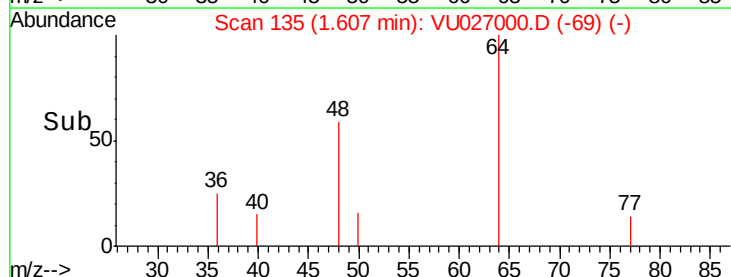
400

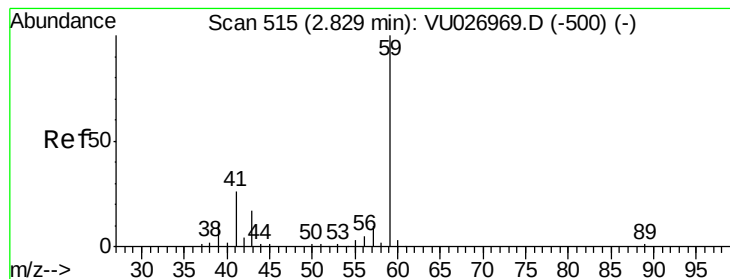
200

0

1.56 1.58 1.60 1.62

Time-->





#11

Tert butyl alcohol

Concen: 1.812 ug/l

RT: 2.84 min Scan# 518

Delta R.T. 0.01 min

Lab File: VU027000.D

Acq: 22 Sep 2018 06:31

Instrument :

MSVOA_U

ClientSampleId :

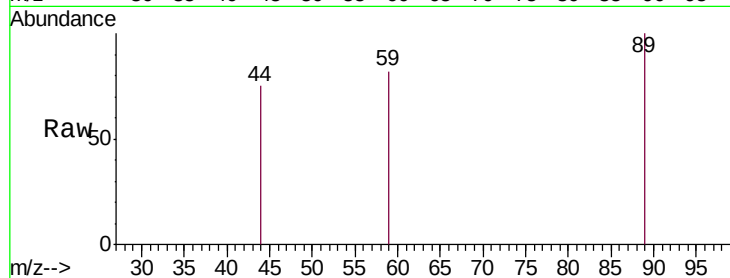
SA-MW128D-20180912

Tgt Ion: 59 Resp: 615

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

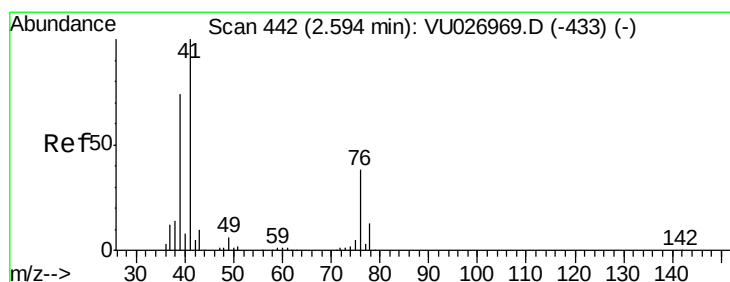
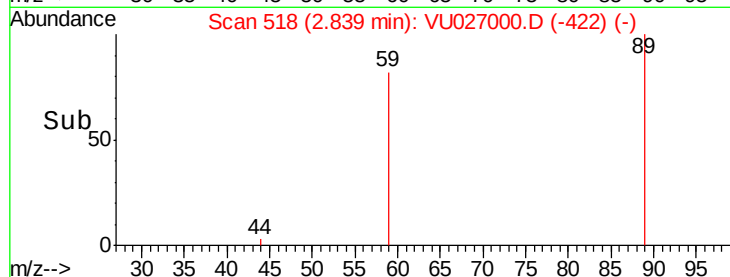
300

200

100

0

Time-->



#14

Allyl chloride

Concen: 2.082 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.15 min

Lab File: VU027000.D

Acq: 22 Sep 2018 06:31

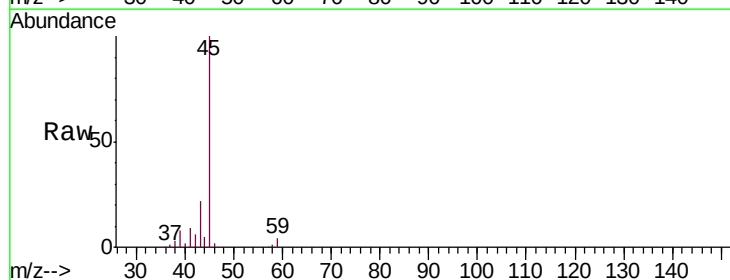
Tgt Ion: 41 Resp: 4291

Ion Ratio Lower Upper

41 100

39 81.9 55.7 83.5

76 0.0 26.5 39.7#



Abundance Ion 41.00 (40.70 to 41.70): VU026969.D (-433) (-)

Ion 39.00 (38.70 to 39.70): VU026969.D (-433) (-)

Ion 75.90 (75.60 to 76.60): VU026969.D (-433) (-)

2.44

3000

2500

2000

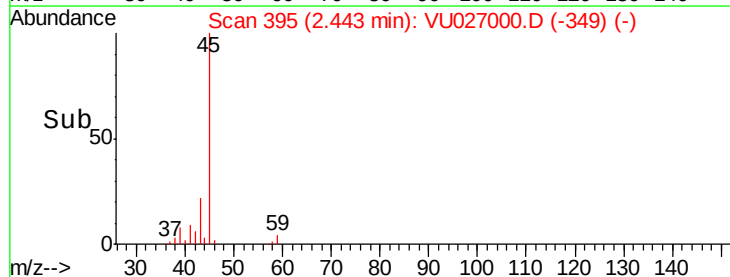
1500

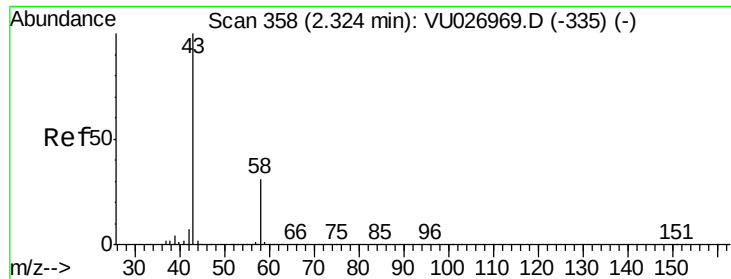
1000

500

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027000.D

Acq: 22 Sep 2018 06:31

Instrument :

MSVOA_U

ClientSampleId :

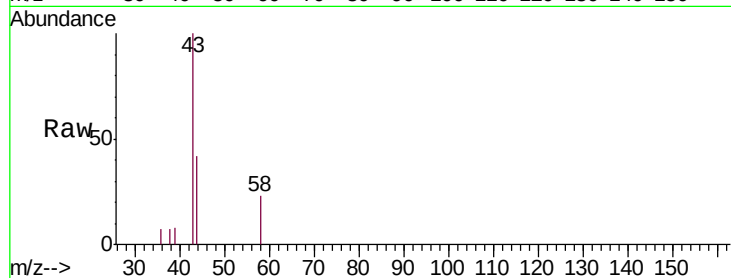
SA-MW128D-20180912

Tgt Ion: 43 Resp: 2154

Ion Ratio Lower Upper

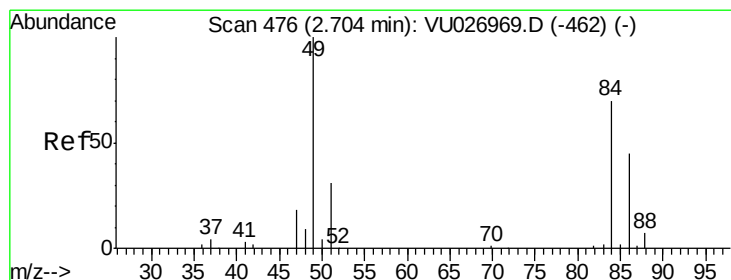
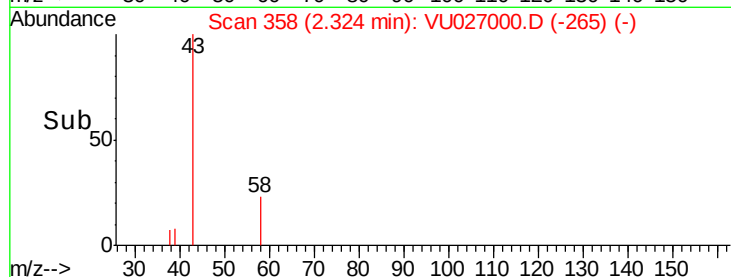
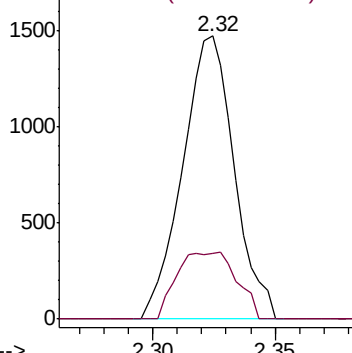
43 100

58 23.4 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-335) (-)



#20

Methylene Chloride

Concen: 0.369 ug/l

RT: 2.70 min Scan# 476

Delta R.T. -0.00 min

Lab File: VU027000.D

Acq: 22 Sep 2018 06:31

Tgt Ion: 84 Resp: 490

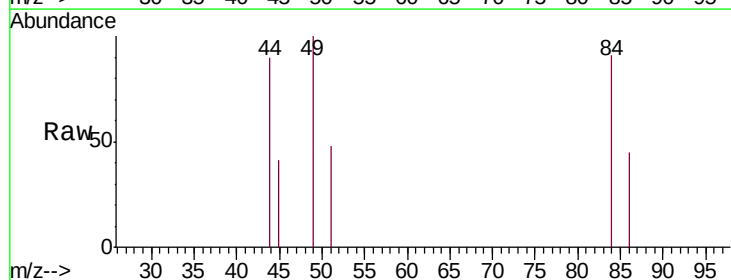
Ion Ratio Lower Upper

84 100

49 110.3 114.9 172.3#

51 53.2 35.8 53.8

86 49.6 51.3 76.9#

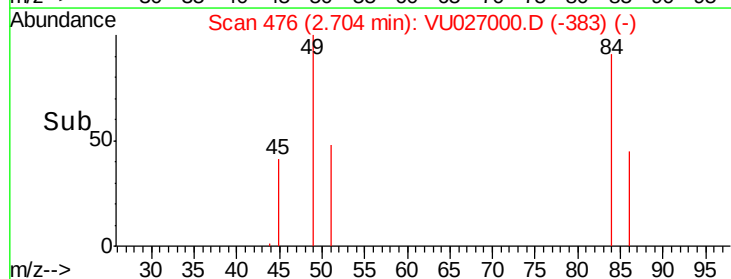
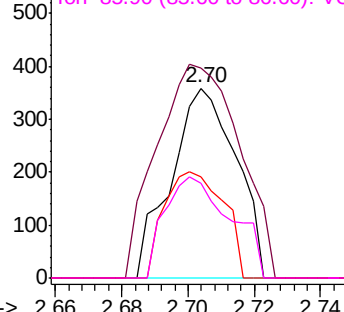


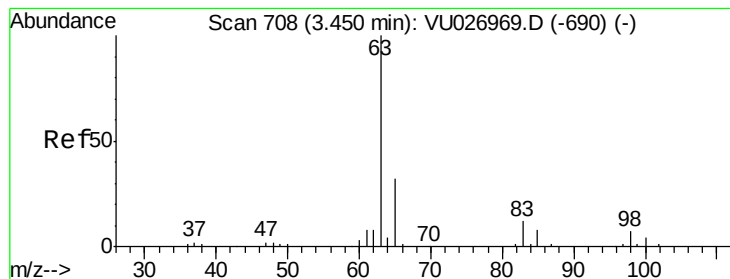
Abundance Ion 83.90 (83.60 to 84.60): VU026969.D (-462) (-)

Ion 48.90 (48.60 to 49.60): VU026969.D (-462) (-)

Ion 50.90 (50.60 to 51.60): VU026969.D (-462) (-)

Ion 85.90 (85.60 to 86.60): VU026969.D (-462) (-)





#24

1,1-Dichloroethane

Concen: 0.479 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027000.D

Acq: 22 Sep 2018 06:31

Instrument :

MSVOA_U

ClientSampleId :

SA-MW128D-20180912

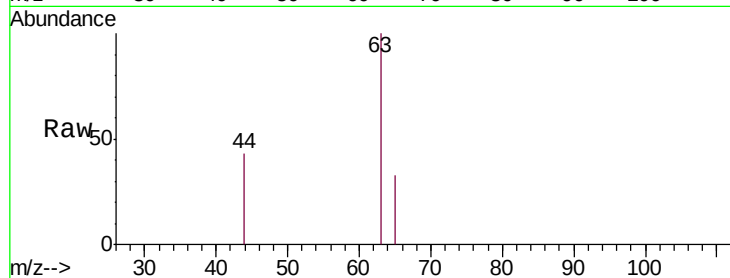
Tgt Ion: 63 Resp: 1163

Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.8#

100 0.0 2.0 5.8#

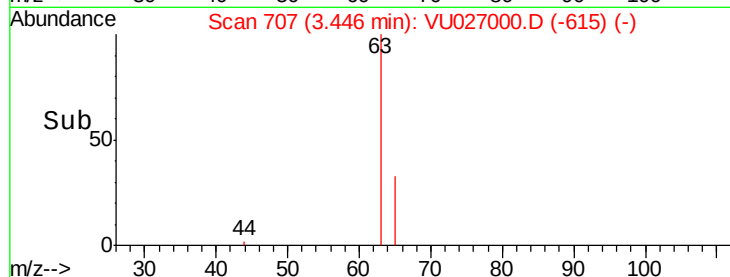


Abundance Ion 62.90 (62.60 to 63.60): VU026969.D (-690) (-)

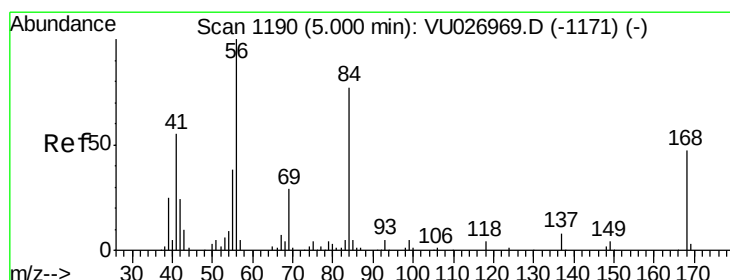
Ion 97.90 (97.60 to 98.60): VU026969.D (-690) (-)

Ion 99.90 (99.60 to 100.60): VU026969.D (-690) (-)

Time-->



Time-->



#31

Cyclohexane

Concen: 0.249 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU027000.D

Acq: 22 Sep 2018 06:31

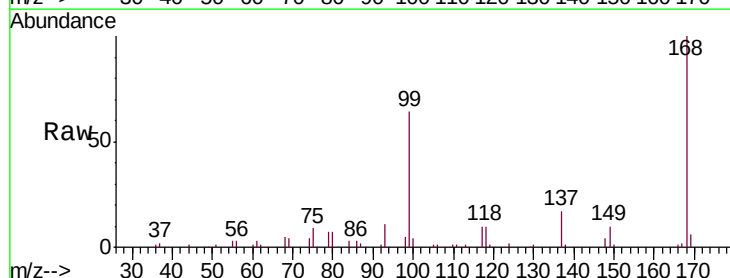
Tgt Ion: 56 Resp: 1813

Ion Ratio Lower Upper

56 100

69 166.2 23.0 34.4#

84 134.3 61.4 92.2#

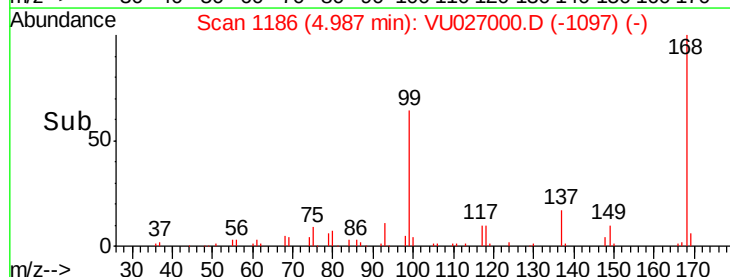


Abundance Ion 56.00 (55.70 to 56.70): VU026969.D (-1171) (-)

Ion 69.00 (68.70 to 69.70): VU026969.D (-1171) (-)

Ion 84.00 (83.70 to 84.70): VU026969.D (-1171) (-)

Time-->



Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

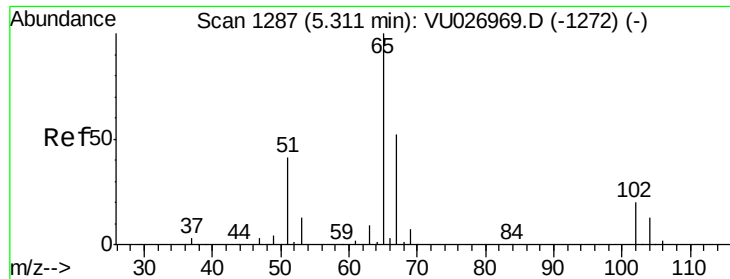
Time-->

Time-->

Time-->

Time-->

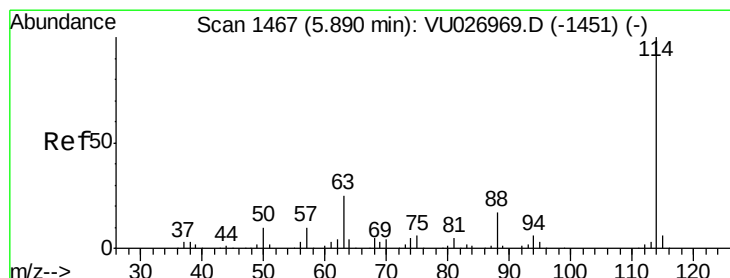
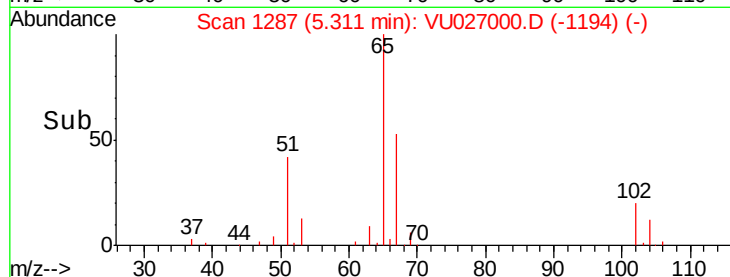
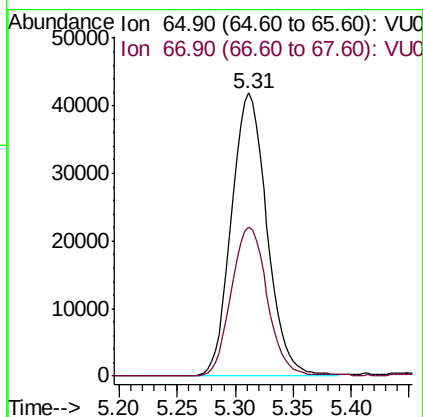
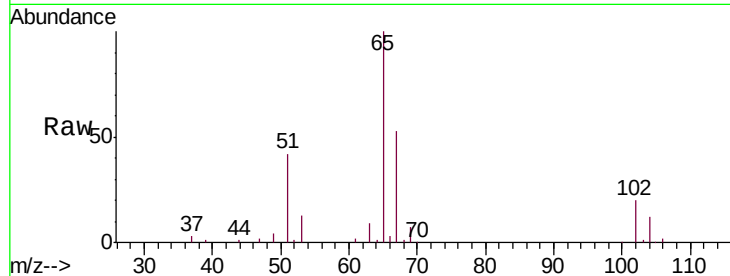
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 60.168 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027000.D
 Acq: 22 Sep 2018 06:31

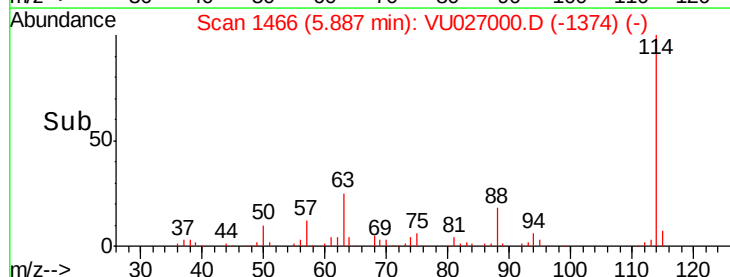
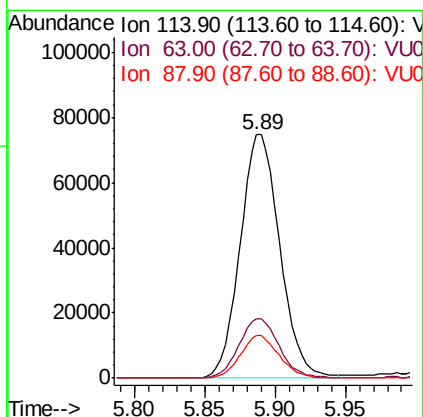
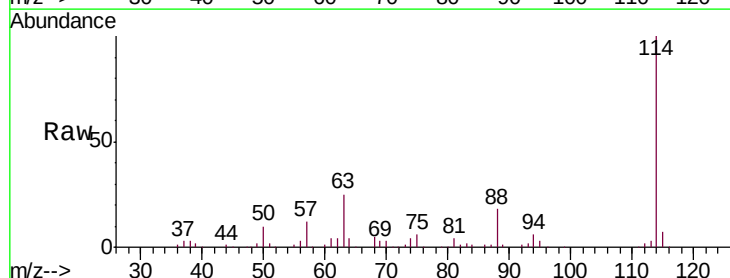
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW128D-20180912

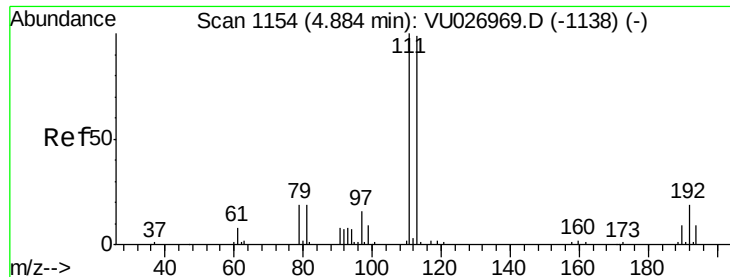
Tgt Ion: 65 Resp: 89099
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027000.D
 Acq: 22 Sep 2018 06:31

Tgt Ion: 114 Resp: 147393
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 49.2
 88 17.5 0.0 33.8

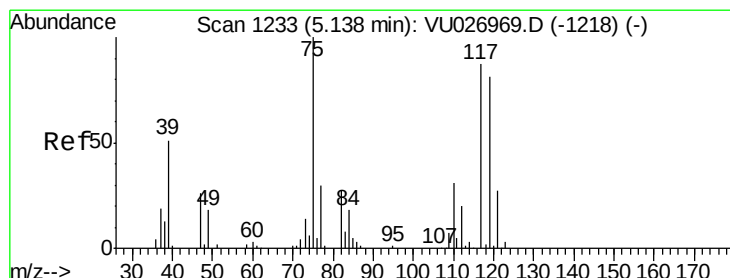
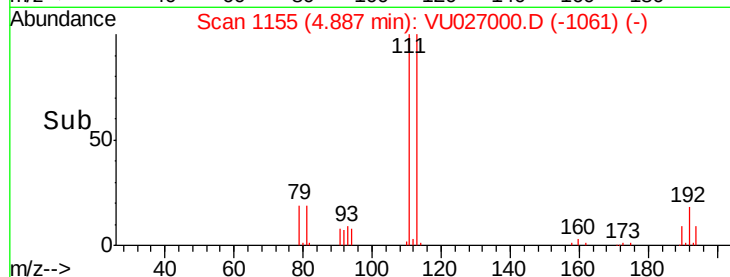
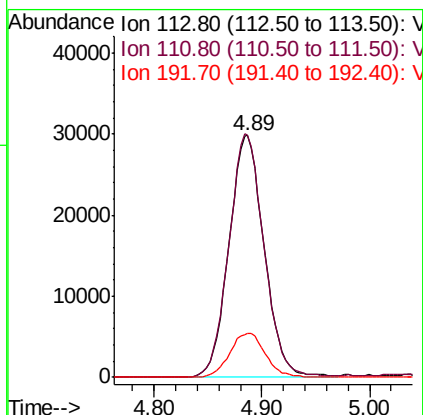
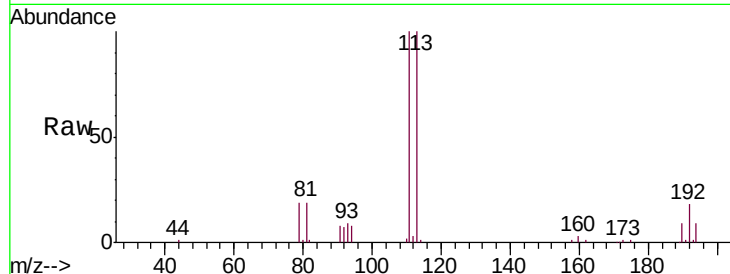




#35
 Dibromofluoromethane
 Concen: 53.099 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027000.D
 Acq: 22 Sep 2018 06:31

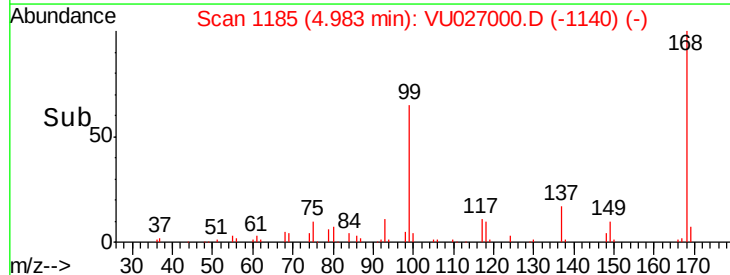
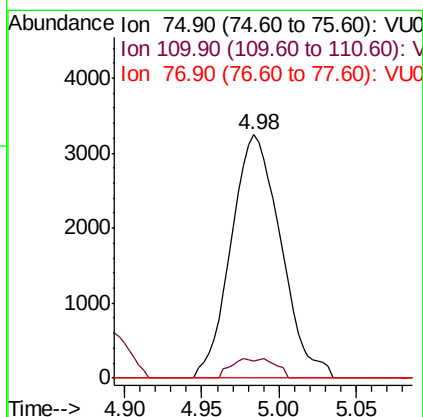
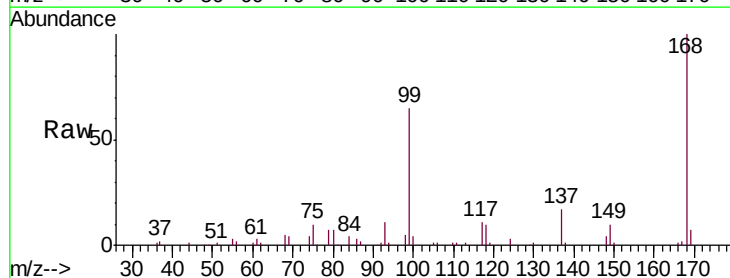
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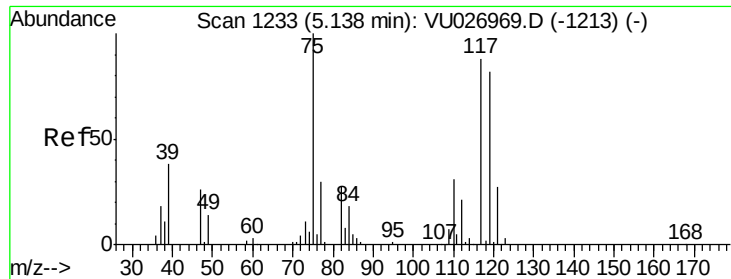
Tgt Ion:113 Resp: 67839
 Ion Ratio Lower Upper
 113 100
 111 100.3 82.2 123.4
 192 18.5 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 3.678 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027000.D
 Acq: 22 Sep 2018 06:31

Tgt Ion: 75 Resp: 7235
 Ion Ratio Lower Upper
 75 100
 110 3.8 16.1 48.2#
 77 0.0 24.6 36.8#

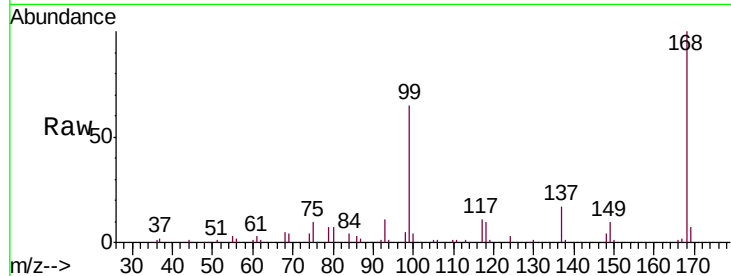




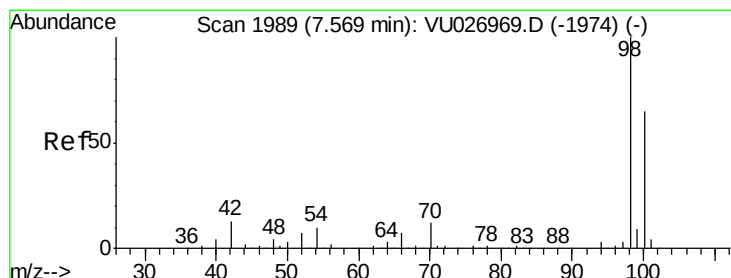
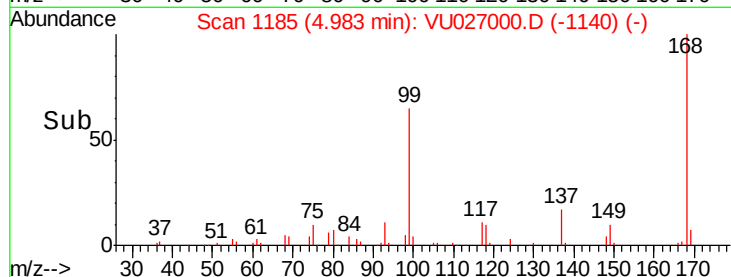
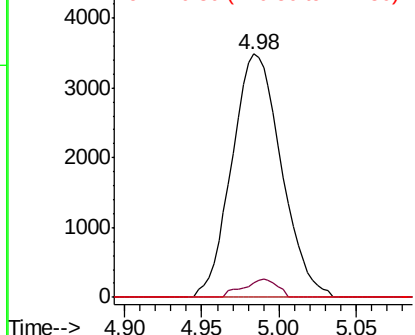
#38
Carbon Tetrachloride
Concen: 4.133 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.15 min
Lab File: VU027000.D
Acq: 22 Sep 2018 06:31

Instrument :
MSVOA_U
ClientSampleId :
SA-MW128D-20180912

Tgt Ion:117 Resp: 7737
Ion Ratio Lower Upper
117 100
119 6.0 74.4 111.6#
121 0.0 24.2 36.4#

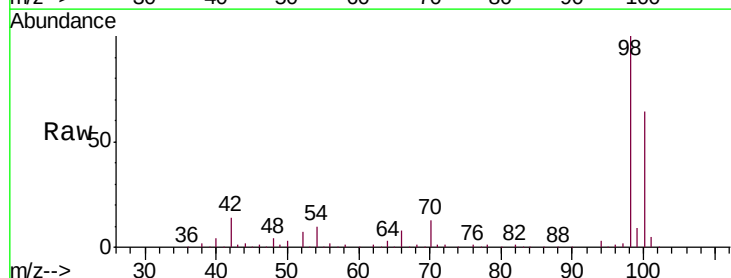


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

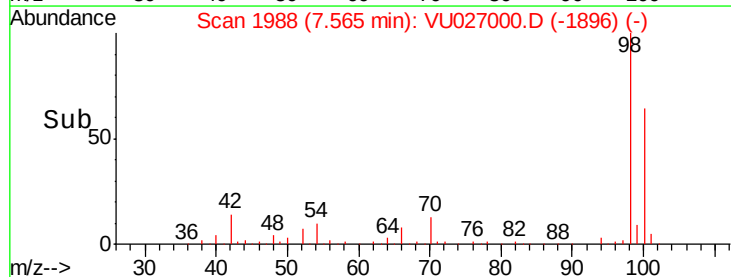
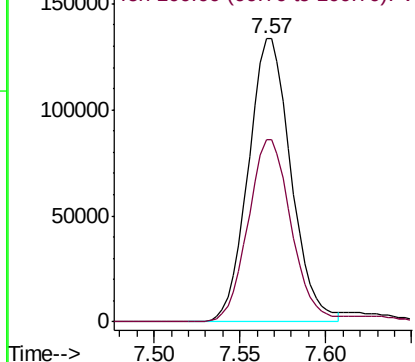


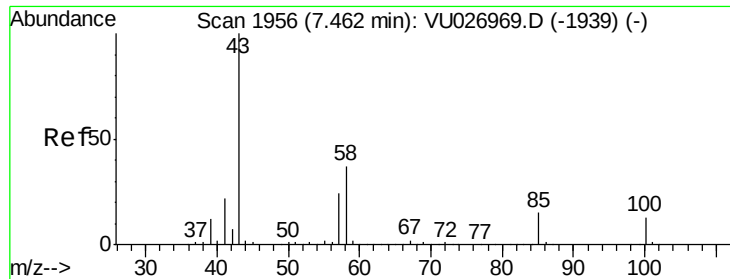
#50
Toluene-d8
Concen: 47.238 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027000.D
Acq: 22 Sep 2018 06:31

Tgt Ion: 98 Resp: 230003
Ion Ratio Lower Upper
98 100
100 65.6 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU





#51

4-Methyl-2-Pentanone

Concen: 0.491 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.11 min

Lab File: VU027000.D

Acq: 22 Sep 2018 06:31

Instrument :

MSVOA_U

ClientSampleId :

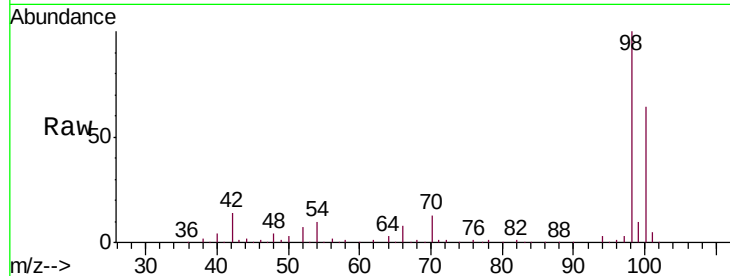
SA-MW128D-20180912

Tgt Ion: 43 Resp: 1283

Ion Ratio Lower Upper

43 100

58 167.4 29.8 44.6#



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

Ion 58.00 (57.70 to 58.70): VU026969.D (-1939) (-)

1500

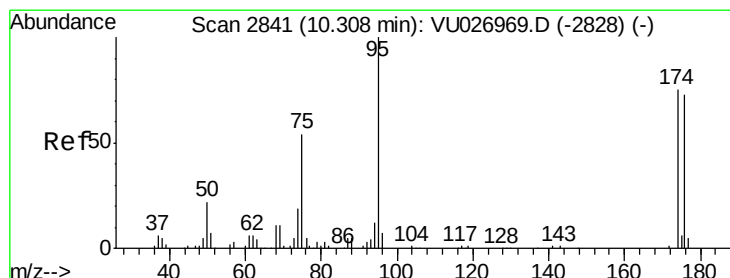
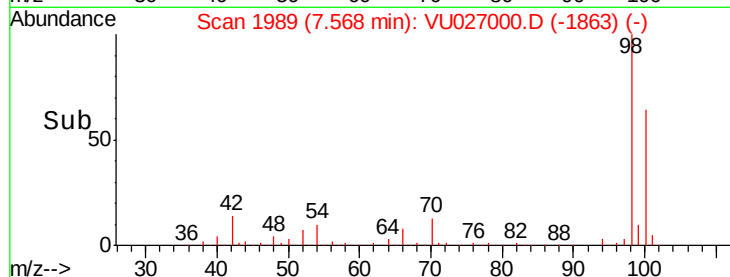
1000

500

0

7.55 7.57 7.60

Time-->



#62

4-Bromofluorobenzene

Concen: 48.871 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027000.D

Acq: 22 Sep 2018 06:31

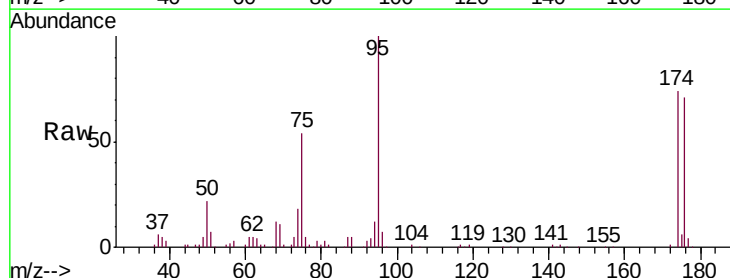
Tgt Ion: 95 Resp: 81649

Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.2

176 71.8 0.0 145.2



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

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

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

60000

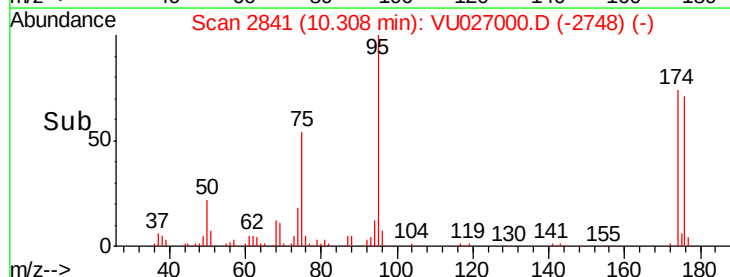
40000

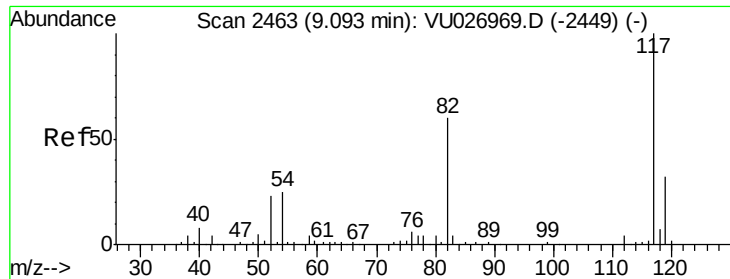
20000

0

10.30 10.31 10.40

Time-->

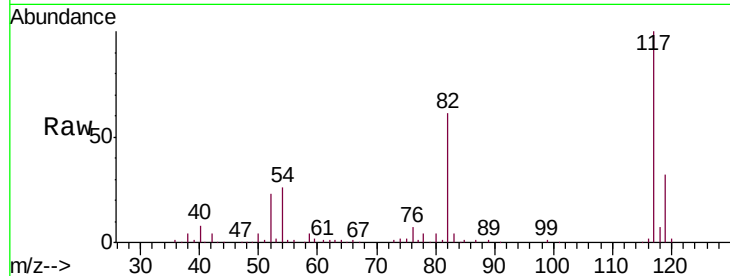




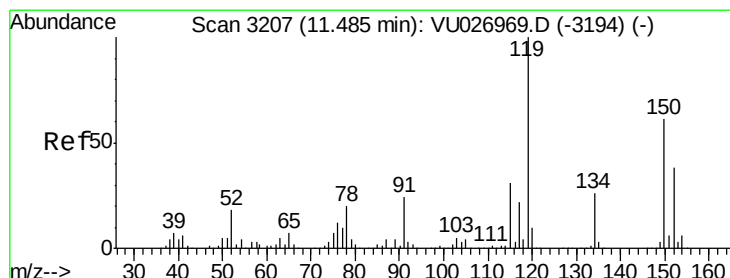
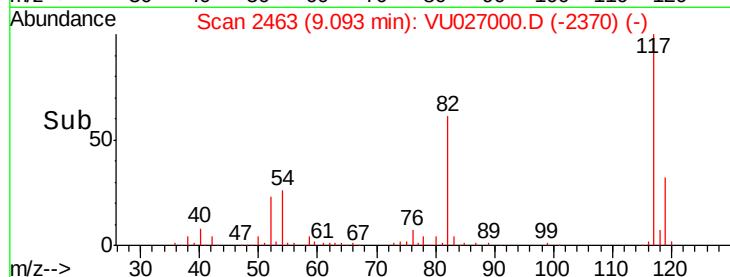
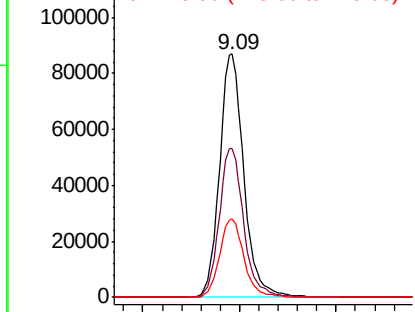
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VU027000.D
 Acq: 22 Sep 2018 06:31

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW128D-20180912

Tgt Ion:117 Resp: 150838
 Ion Ratio Lower Upper
 117 100
 82 61.2 48.0 72.0
 119 32.4 25.8 38.8

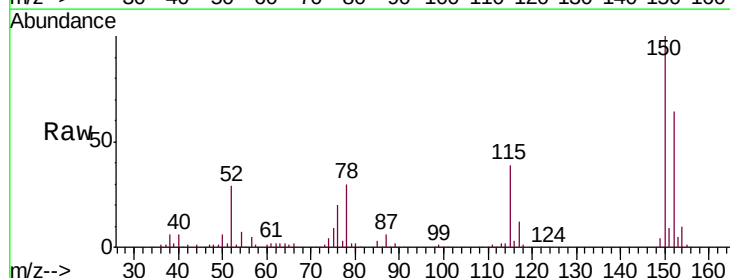


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): VU0
 Ion 118.90 (118.60 to 119.60): V

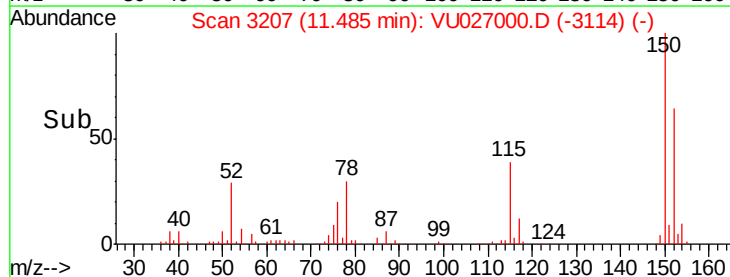
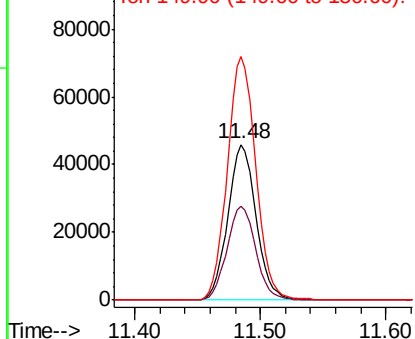


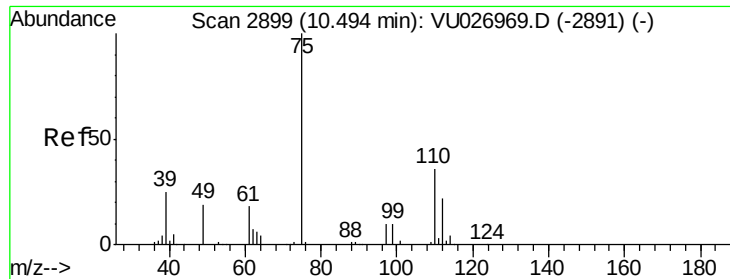
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.48 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: VU027000.D
 Acq: 22 Sep 2018 06:31

Tgt Ion:152 Resp: 71815
 Ion Ratio Lower Upper
 152 100
 115 61.3 44.9 134.5
 150 157.3 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

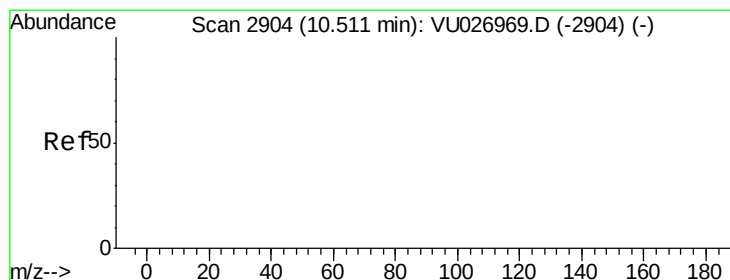
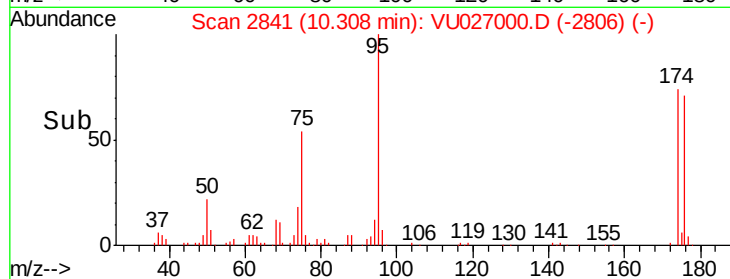
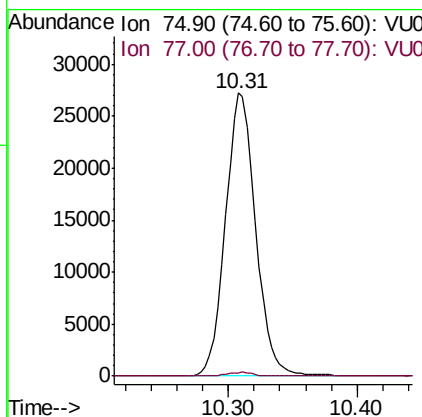
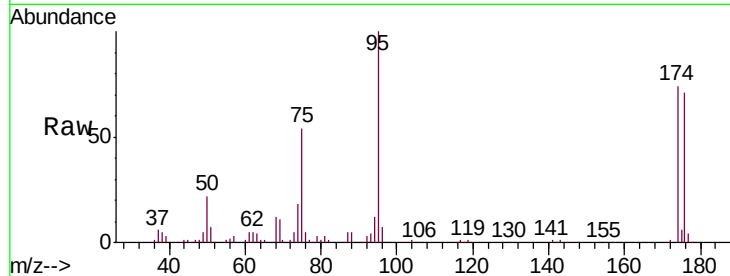




#76
 1,2,3-Trichloropropane
 Concen: 20.240 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027000.D
 Acq: 22 Sep 2018 06:31

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW128D-20180912

Tgt Ion: 75 Resp: 44157
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.9 62.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.770 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.21 min
 Lab File: VU027000.D
 Acq: 22 Sep 2018 06:31

Tgt Ion: 75 Resp: 44157
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

