

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092618\
 Data File : VU027182.D
 Acq On : 26 Sep 2018 17:00
 Operator : MD/SY
 Sample : J5049-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-51-SEP18

Quant Time: Sep 27 01:08:03 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	88816	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	151543	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	145429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	68030	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	96269	53.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.70%	
35) Dibromofluoromethane	4.89	113	66147	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
50) Toluene-d8	7.57	98	242317	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
62) 4-Bromofluorobenzene	10.31	95	79656	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	

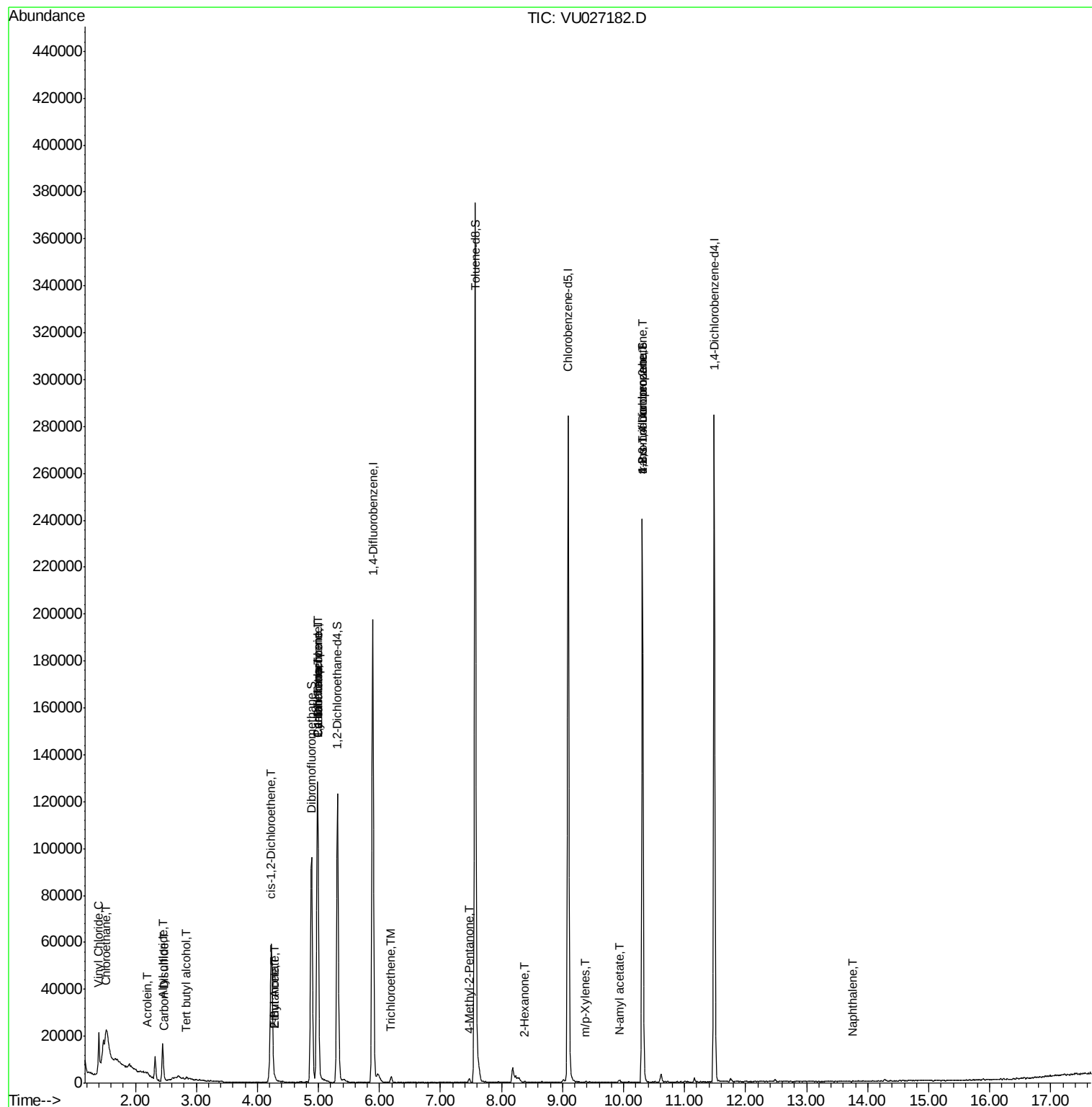
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	9381	5.027	ug/l #	83
6) Chloroethane	1.53	64	45319	38.006	ug/l #	54
11) Tert butyl alcohol	2.84	59	218	0.532	ug/l #	72
13) Acrolein	2.19	56	63	0.285	ug/l #	1
14) Allyl chloride	2.45	41	1730	0.695	ug/l #	63
16) Acetone	2.32	43	10931	Below Cal		99
17) Carbon Disulfide	2.49	76	954	0.239	ug/l #	75
25) 2-Butanone	4.29	43	3807	2.534	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	30228	20.437	ug/l	91
31) Cyclohexane	4.99	56	2514	0.373	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	8538	4.221	ug/l #	49
37) Ethyl Acetate	4.29	43	3807	1.390	ug/l #	70
38) Carbon Tetrachloride	4.99	117	9435	4.902	ug/l #	17
44) Trichloroethene	6.20	130	1059	0.809	ug/l	89
51) 4-Methyl-2-Pentanone	7.47	43	1465	0.546	ug/l #	80
59) 2-Hexanone	8.39	43	540	0.257	ug/l #	37
68) m/p-Xylenes	9.38	106	71	1.528	ug/l #	1
74) N-amyl acetate	9.93	43	1058	0.353	ug/l #	44
76) 1,2,3-Trichloropropane	10.31	75	43129	20.868	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	43129	66.782	ug/l #	100
95) Naphthalene	13.76	128	44	1.697	ug/l #	69

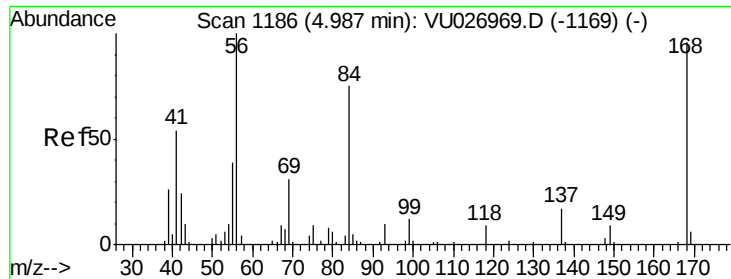
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
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: VU027182.D

Acq: 26 Sep 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

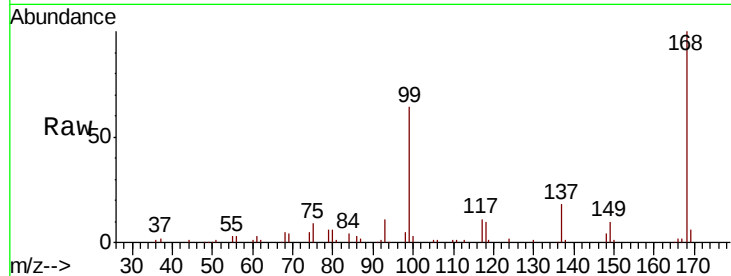
MW-51-SEP18

Tgt Ion:168 Resp: 88816

Ion Ratio Lower Upper

168 100

99 64.3 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

40000

30000

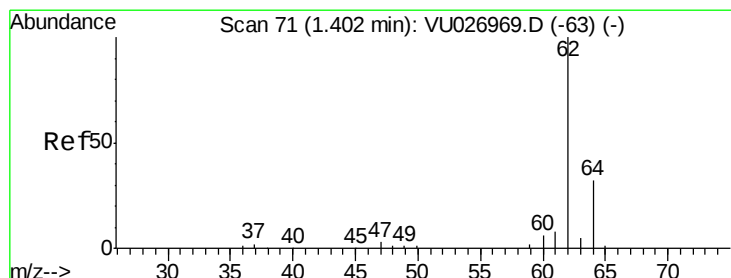
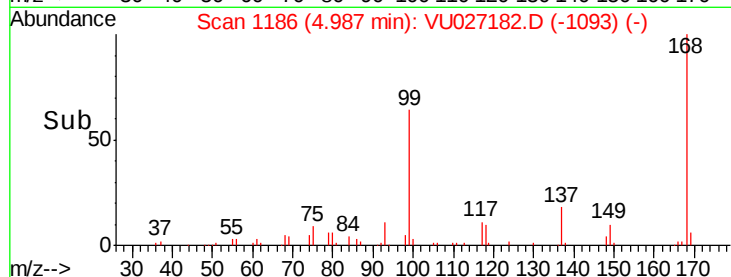
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#4

Vinyl Chloride

Concen: 5.027 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027182.D

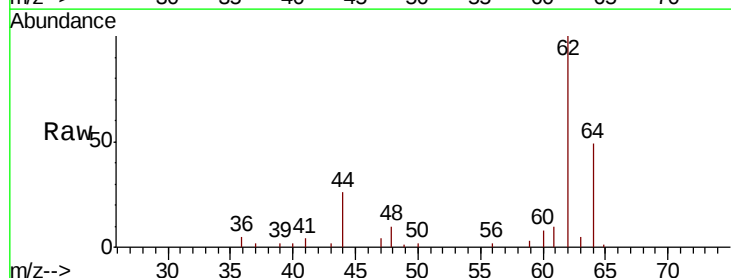
Acq: 26 Sep 2018 17:00

Tgt Ion: 62 Resp: 9381

Ion Ratio Lower Upper

62 100

64 41.2 25.5 38.3#



Abundance Ion 61.90 (61.60 to 62.60): VU026969.D (-63) (-)

Ion 63.90 (63.60 to 64.60): VU026969.D (-63) (-)

1.40

10000

8000

6000

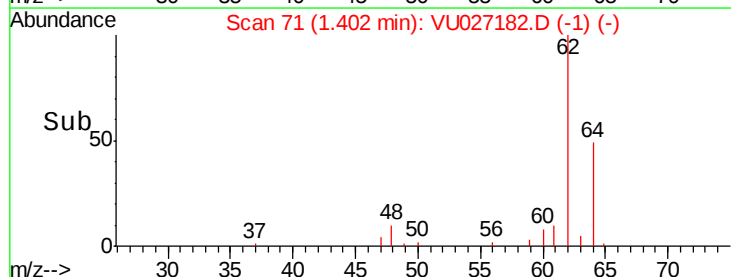
4000

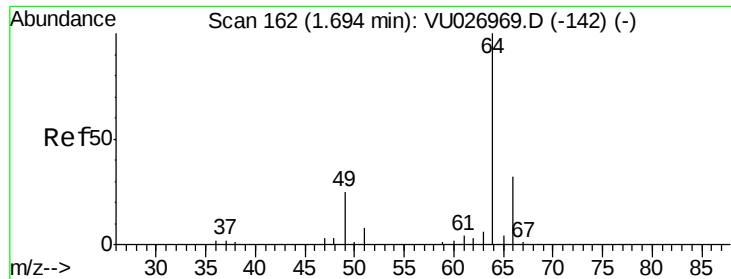
2000

0

1.40 1.45

Time-->





#6

Chloroethane

Concen: 38.006 ug/l

RT: 1.53 min Scan# 110

Delta R.T. -0.17 min

Lab File: VU027182.D

Acq: 26 Sep 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

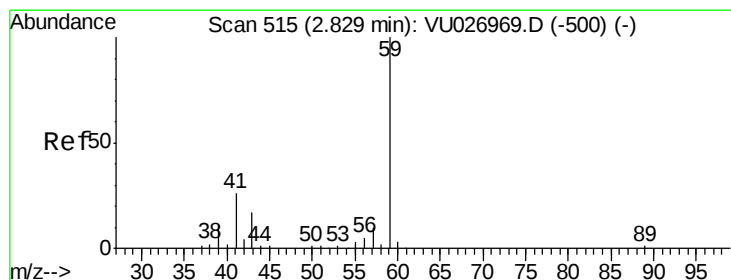
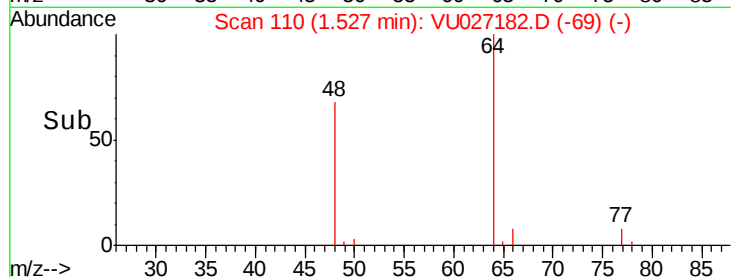
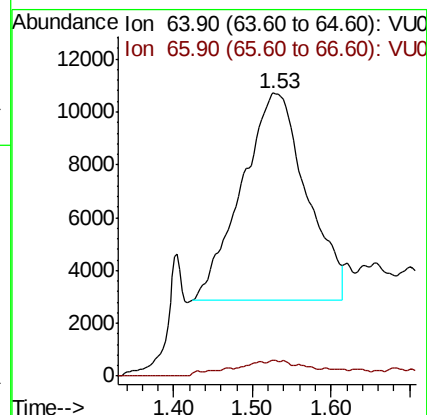
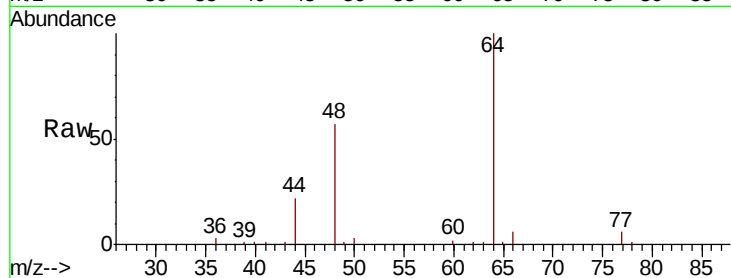
MW-51-SEP18

Tgt Ion: 64 Resp: 45319

Ion Ratio Lower Upper

64 100

66 6.4 25.3 37.9#



#11

Tert butyl alcohol

Concen: 0.532 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU027182.D

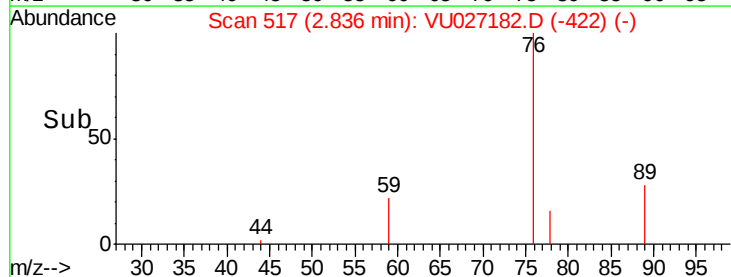
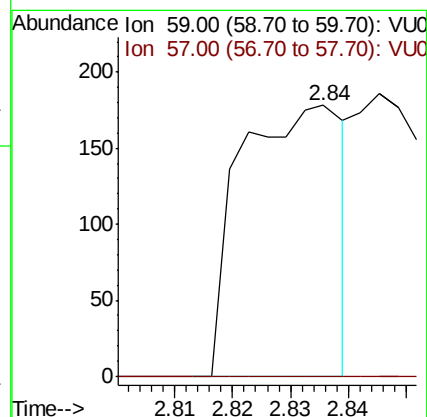
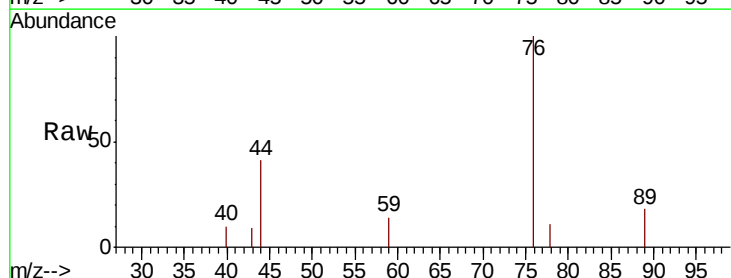
Acq: 26 Sep 2018 17:00

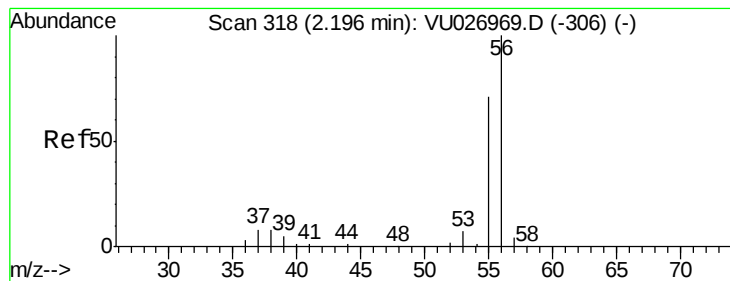
Tgt Ion: 59 Resp: 218

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.285 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU027182.D

Acq: 26 Sep 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

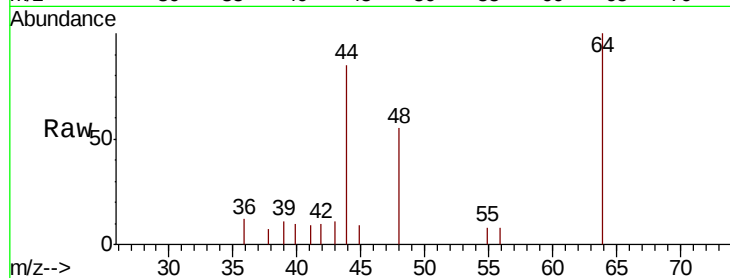
MW-51-SEP18

Tgt Ion: 56 Resp: 63

Ion Ratio Lower Upper

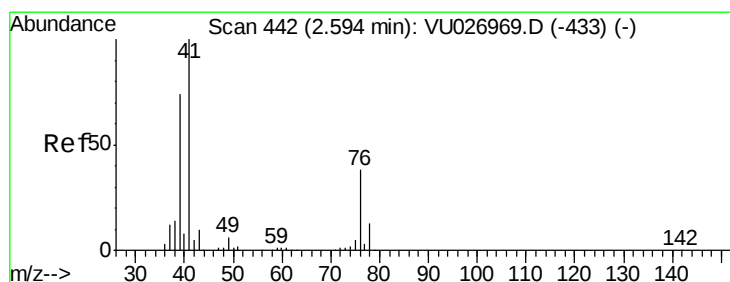
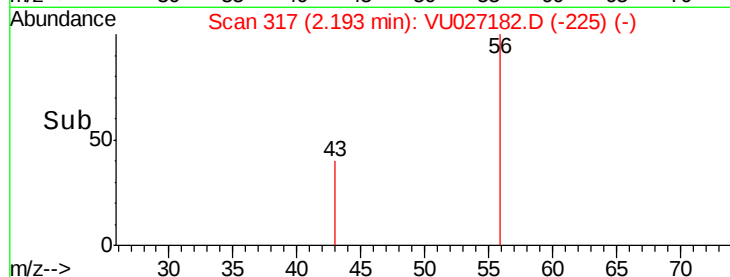
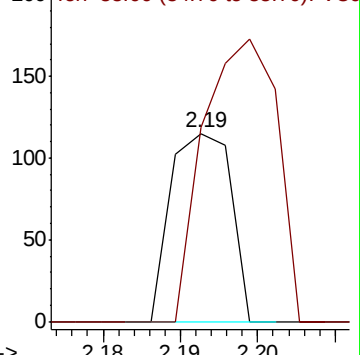
56 100

55 181.0 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 0.695 ug/l

RT: 2.45 min Scan# 397

Delta R.T. -0.14 min

Lab File: VU027182.D

Acq: 26 Sep 2018 17:00

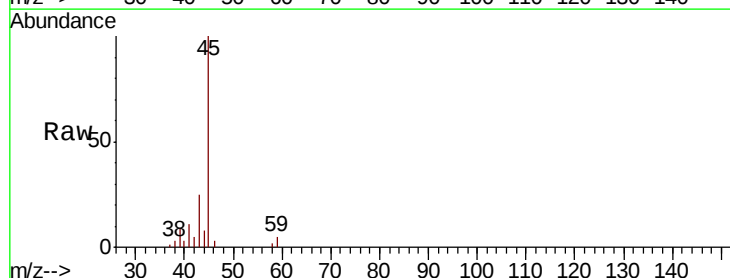
Tgt Ion: 41 Resp: 1730

Ion Ratio Lower Upper

41 100

39 90.9 55.7 83.5#

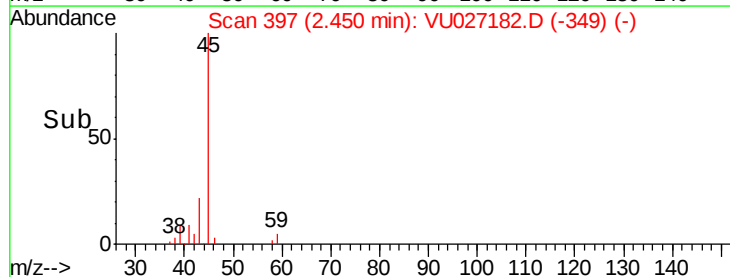
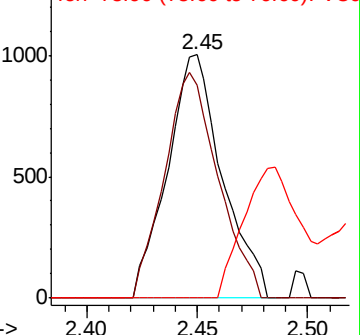
76 0.0 26.5 39.7#

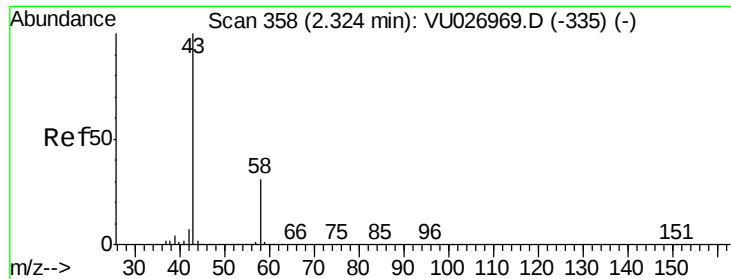


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027182.D

Acq: 26 Sep 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

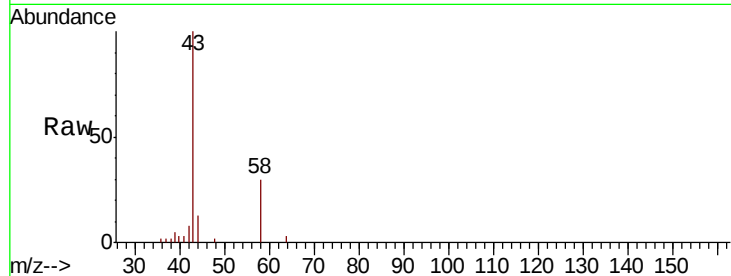
MW-51-SEP18

Tgt Ion: 43 Resp: 10931

Ion Ratio Lower Upper

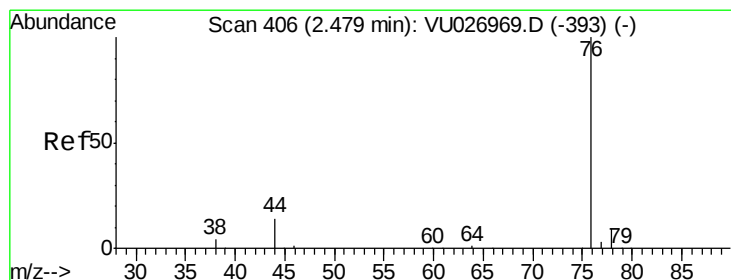
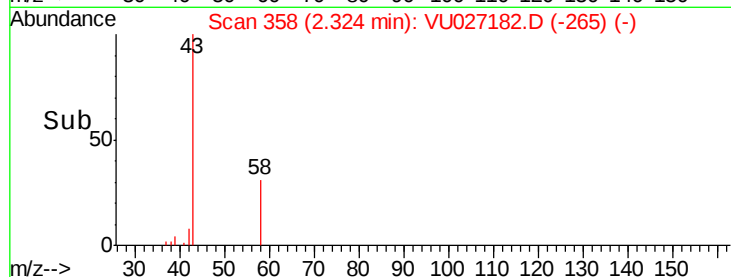
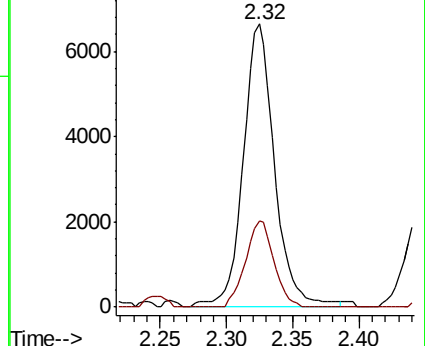
43 100

58 30.4 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) (-)



#17

Carbon Disulfide

Concen: 0.239 ug/l

RT: 2.49 min Scan# 408

Delta R.T. 0.01 min

Lab File: VU027182.D

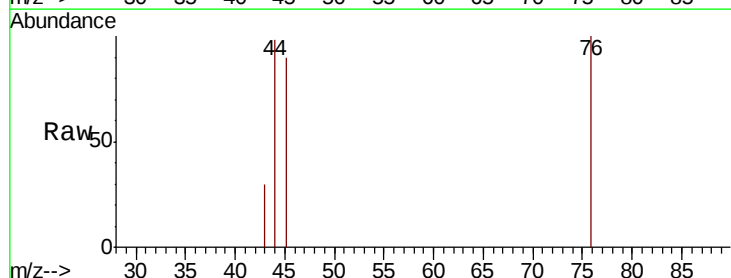
Acq: 26 Sep 2018 17:00

Tgt Ion: 76 Resp: 954

Ion Ratio Lower Upper

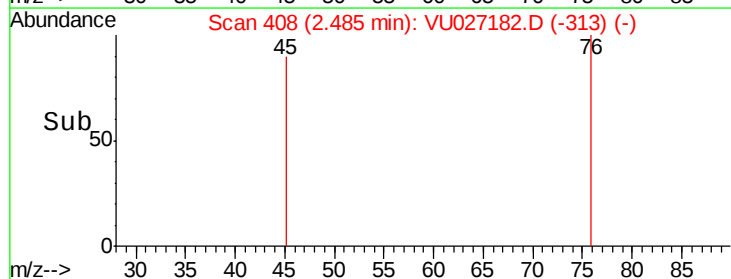
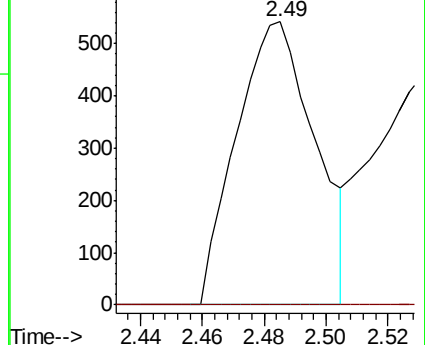
76 100

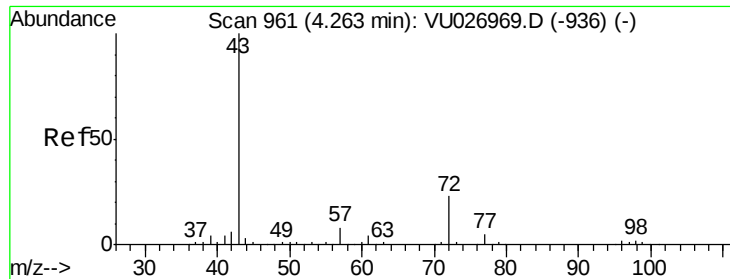
78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VU026969.D (-393) (-)

Ion 77.90 (77.60 to 78.60): VU026969.D (-393) (-)





#25

2-Butanone

Concen: 2.534 ug/l

RT: 4.29 min Scan# 968

Delta R.T. 0.02 min

Lab File: VU027182.D

Acq: 26 Sep 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

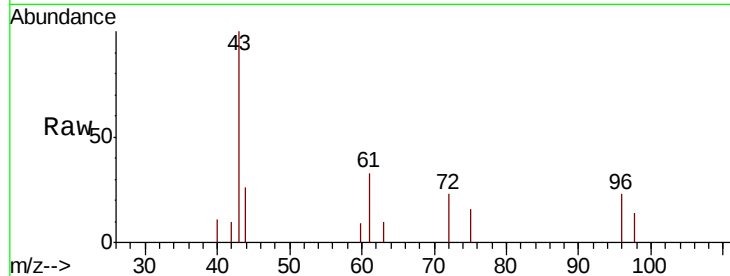
MW-51-SEP18

Tgt Ion: 43 Resp: 3807

Ion Ratio Lower Upper

43 100

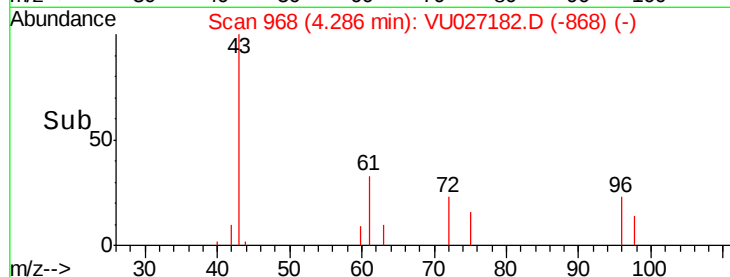
72 23.4 18.4 27.6



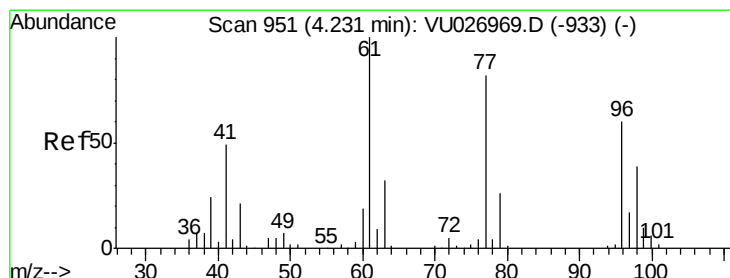
Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-936) (-)

Ion 72.00 (71.70 to 72.70): VU026969.D (-936) (-)

Time-->



Time-->



#27

cis-1,2-Dichloroethene

Concen: 20.437 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027182.D

Acq: 26 Sep 2018 17:00

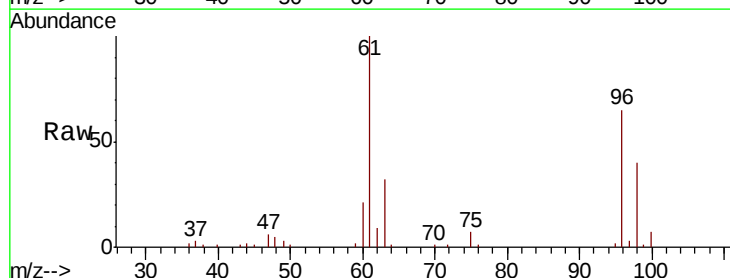
Tgt Ion: 96 Resp: 30228

Ion Ratio Lower Upper

96 100

61 153.1 0.0 337.2

98 62.9 0.0 127.6

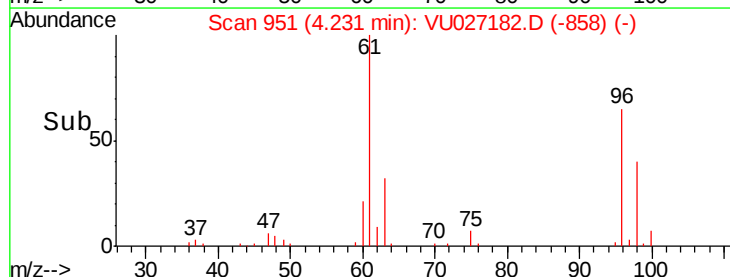


Abundance Ion 95.90 (95.60 to 96.60): VU026969.D (-933) (-)

Ion 60.90 (60.60 to 61.60): VU026969.D (-933) (-)

Ion 97.90 (97.60 to 98.60): VU026969.D (-933) (-)

Time-->



Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

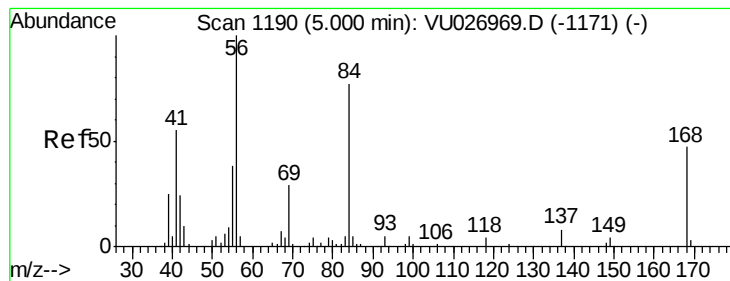
Time-->

Time-->

Time-->

Time-->

Time-->



#31

Cyclohexane

Concen: 0.373 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

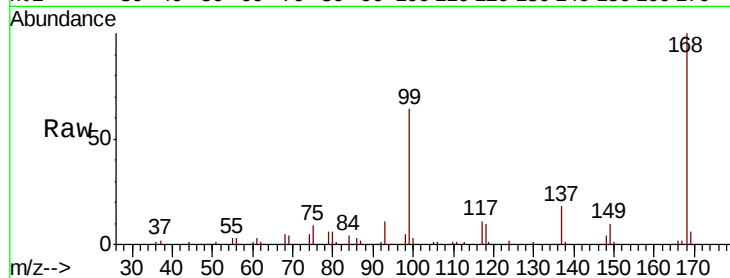
Lab File: VU027182.D

Acq: 26 Sep 2018 17:00

Instrument :
MSVOA_U
ClientSampleId :
MW-51-SEP18

Tgt Ion: 56 Resp: 2514

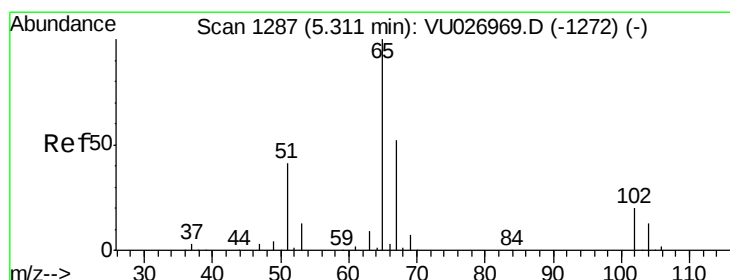
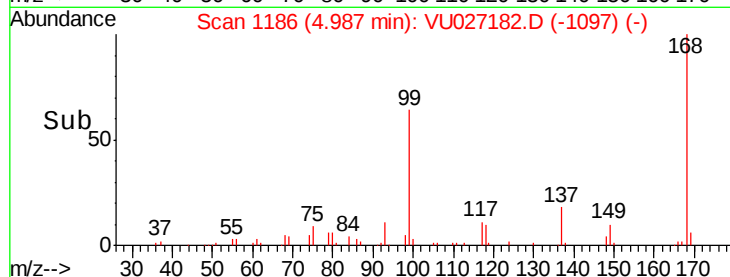
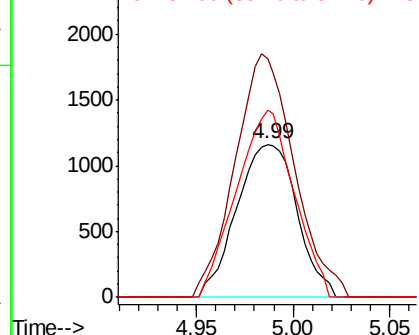
Ion	Ratio	Lower	Upper
56	100		
69	156.2	23.0	34.4#
84	122.4	61.4	92.2#



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) (-)



#33

1,2-Dichloroethane-d4

Concen: 53.855 ug/l

RT: 5.31 min Scan# 1287

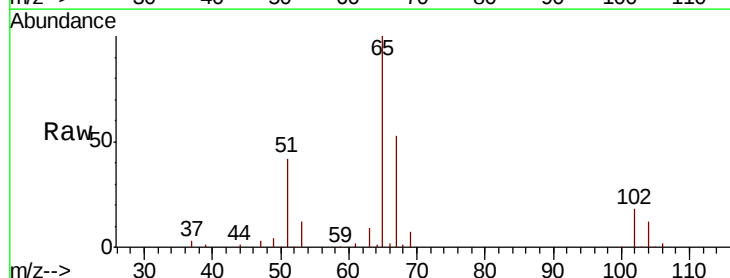
Delta R.T. 0.00 min

Lab File: VU027182.D

Acq: 26 Sep 2018 17:00

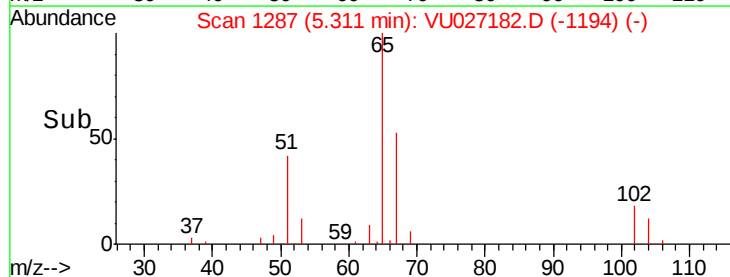
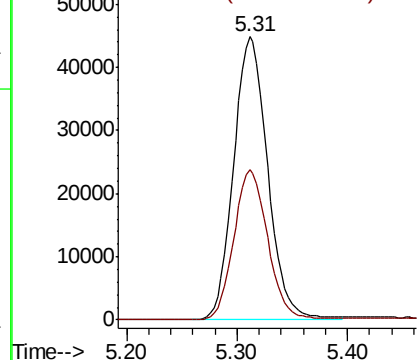
Tgt Ion: 65 Resp: 96269

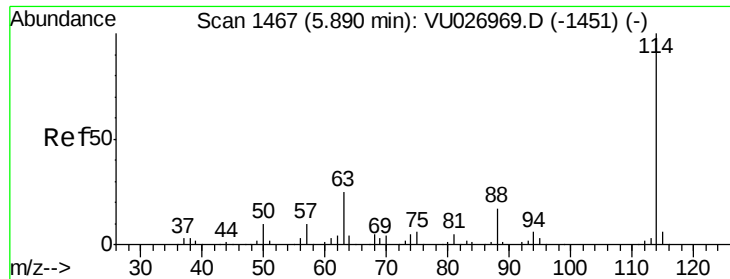
Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	105.6



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

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

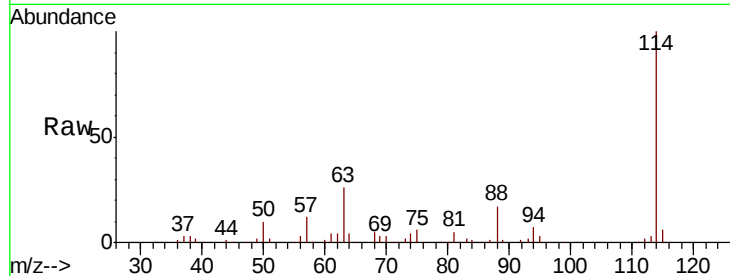




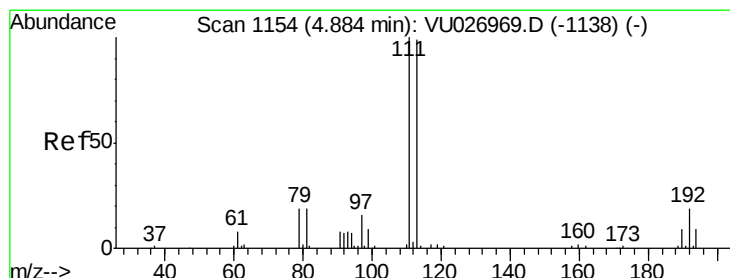
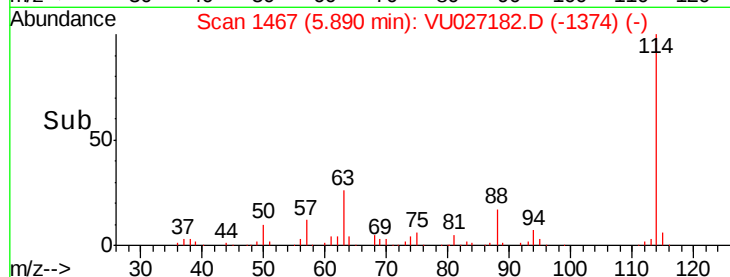
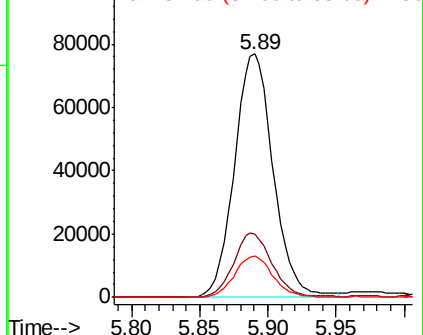
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027182.D
 Acq: 26 Sep 2018 17:00

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-51-SEP18

Tgt Ion:114 Resp: 151543
 Ion Ratio Lower Upper
 114 100
 63 25.9 0.0 49.2
 88 16.9 0.0 33.8

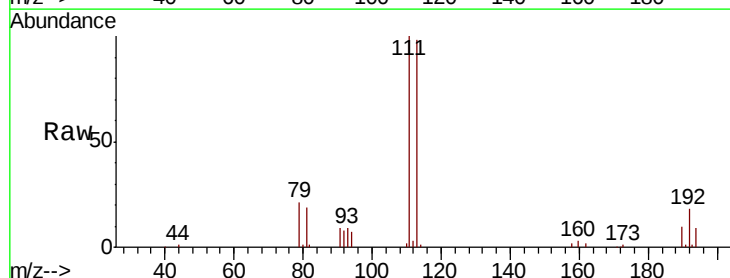


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

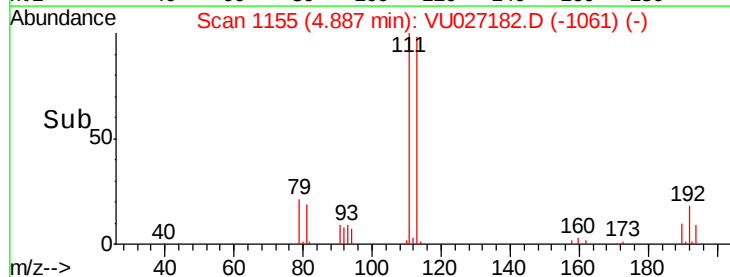
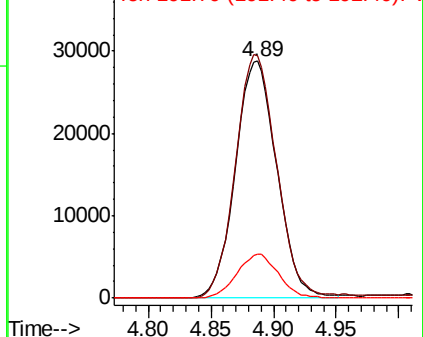


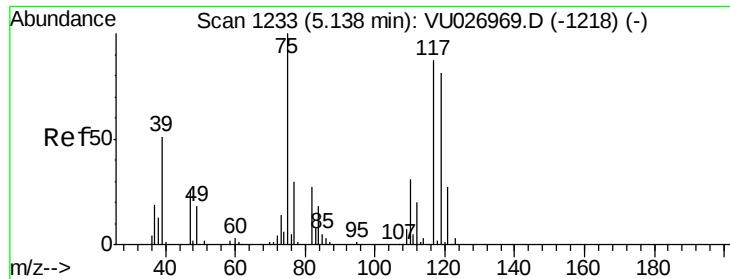
#35
 Dibromofluoromethane
 Concen: 50.356 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027182.D
 Acq: 26 Sep 2018 17:00

Tgt Ion:113 Resp: 66147
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.2 123.4
 192 18.6 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

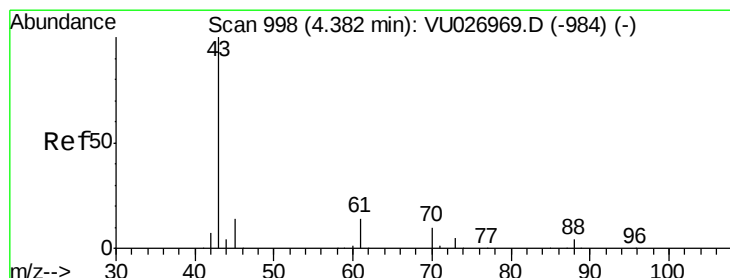
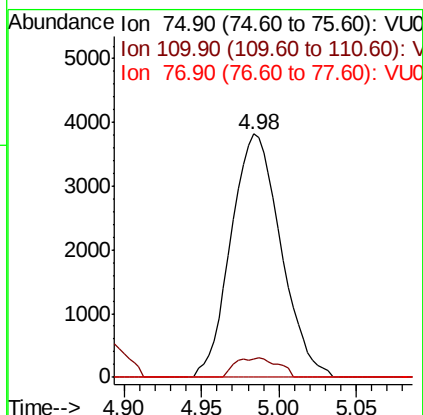
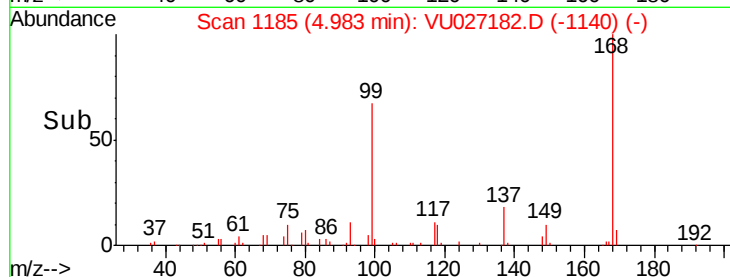
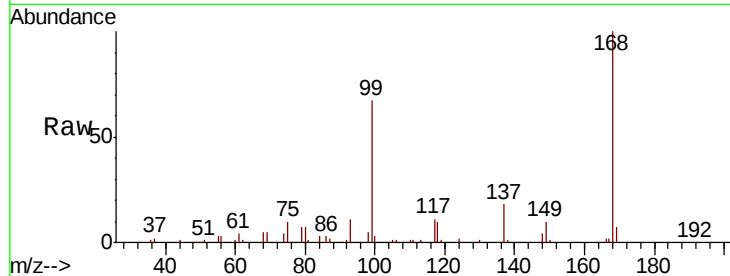




#36
 1,1-Dichloropropene
 Concen: 4.221 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027182.D
 Acq: 26 Sep 2018 17:00

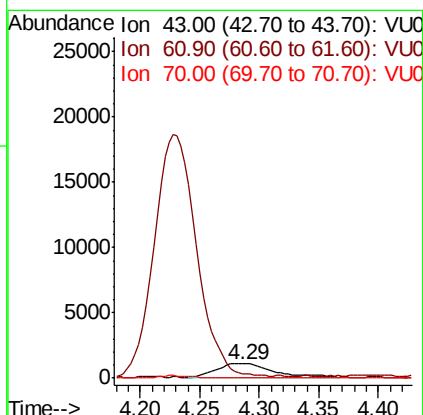
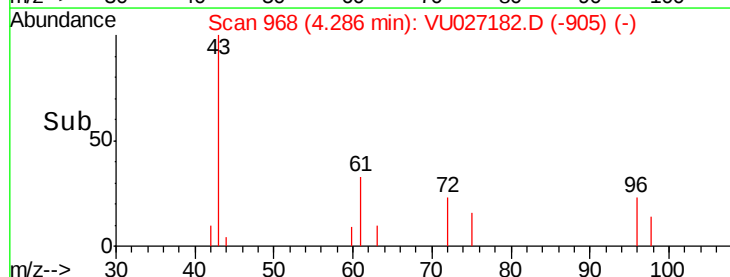
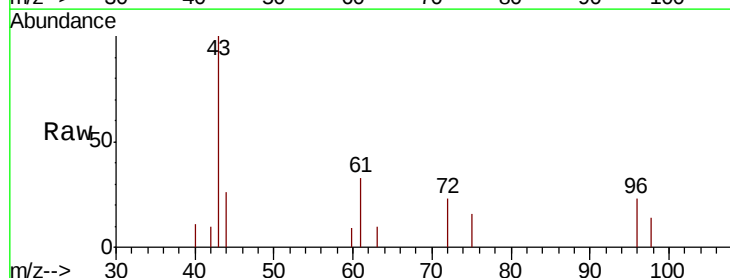
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-51-SEP18

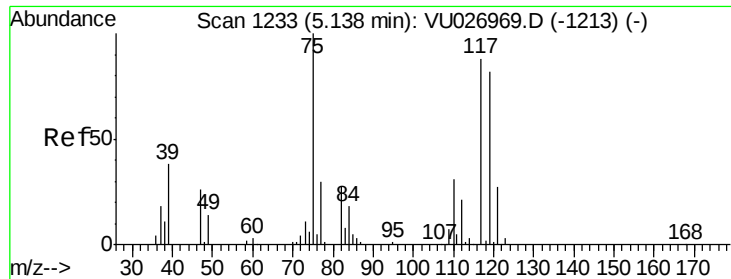
Tgt Ion: 75 Resp: 8538
 Ion Ratio Lower Upper
 75 100
 110 6.8 16.1 48.2#
 77 0.0 24.6 36.8#



#37
 Ethyl Acetate
 Concen: 1.390 ug/l
 RT: 4.29 min Scan# 968
 Delta R.T. -0.10 min
 Lab File: VU027182.D
 Acq: 26 Sep 2018 17:00

Tgt Ion: 43 Resp: 3807
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.5 15.7#
 70 0.0 7.4 11.0#

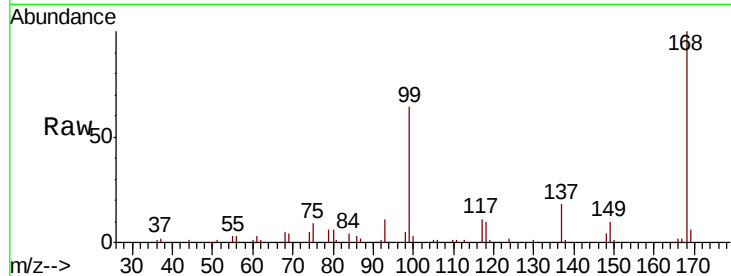




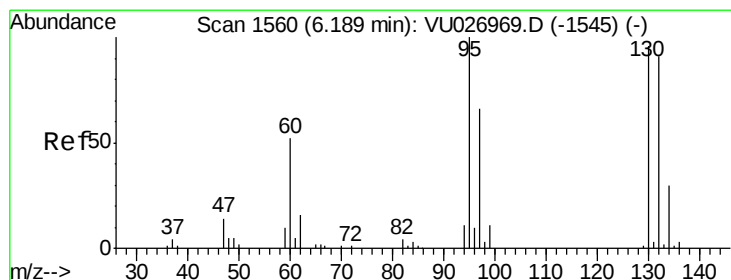
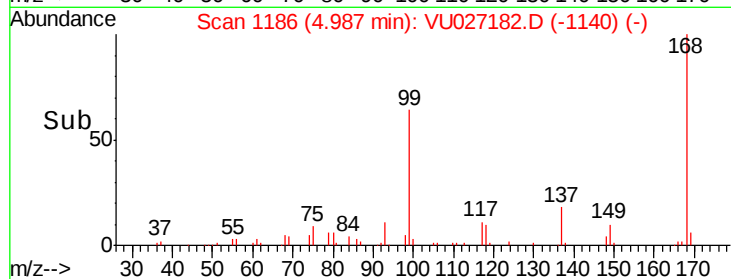
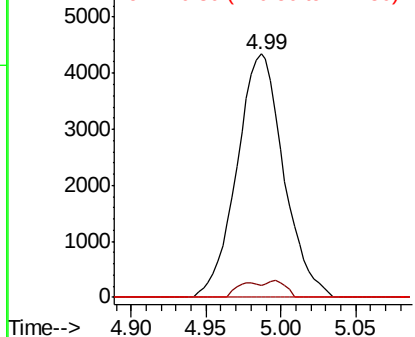
#38
 Carbon Tetrachloride
 Concen: 4.902 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027182.D
 Acq: 26 Sep 2018 17:00

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-51-SEP18

Tgt Ion:117 Resp: 9435
 Ion Ratio Lower Upper
 117 100
 119 4.9 74.4 111.6#
 121 0.0 24.2 36.4#

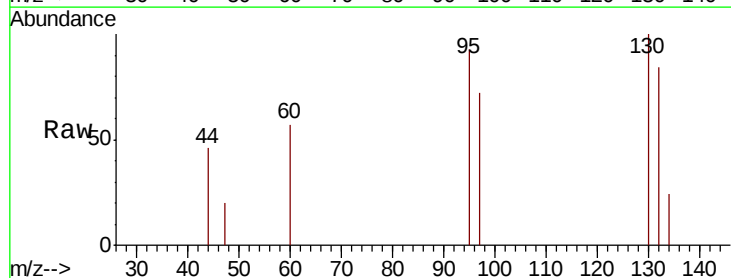


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

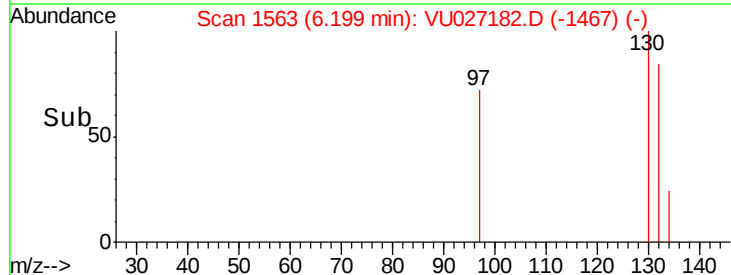
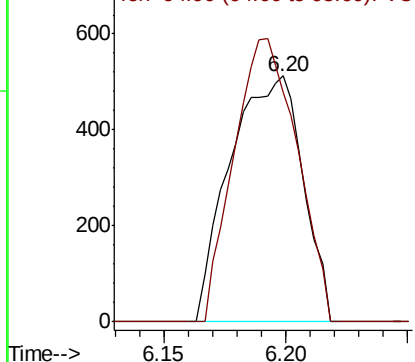


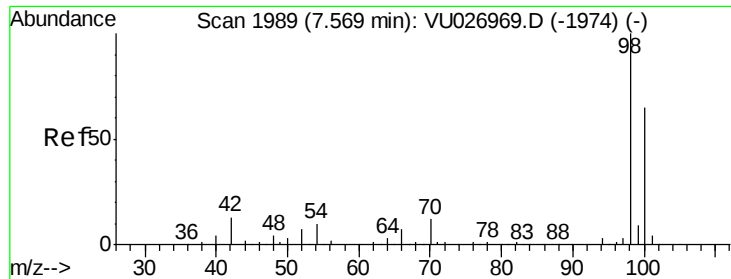
#44
 Trichloroethene
 Concen: 0.809 ug/l
 RT: 6.20 min Scan# 1563
 Delta R.T. 0.01 min
 Lab File: VU027182.D
 Acq: 26 Sep 2018 17:00

Tgt Ion:130 Resp: 1059
 Ion Ratio Lower Upper
 130 100
 95 93.4 0.0 208.8



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

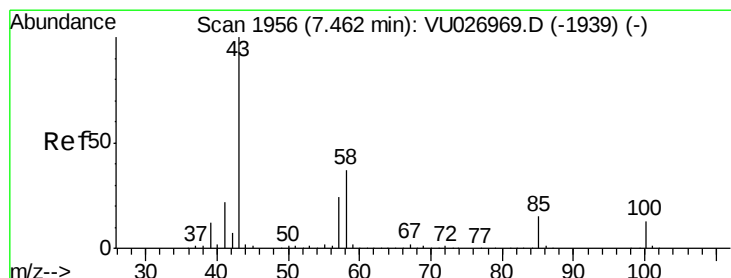
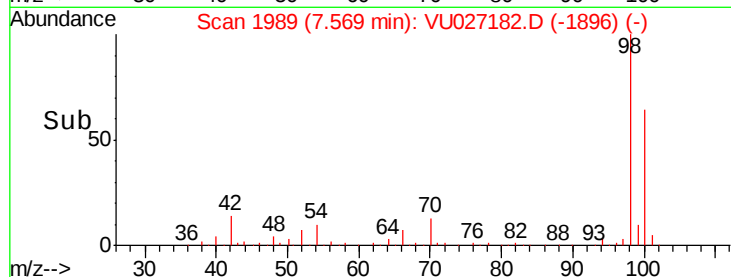
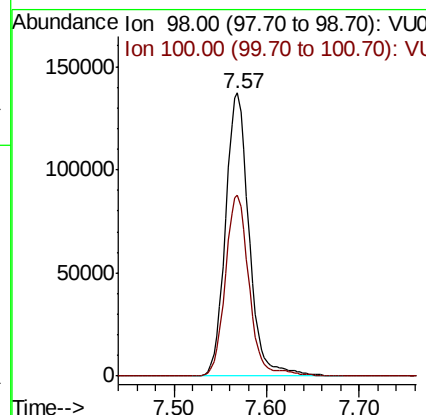
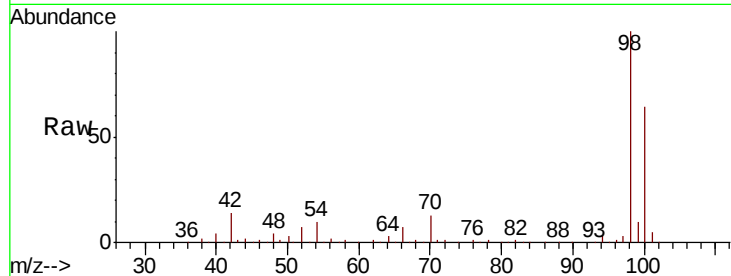




#50
Toluene-d8
Concen: 48.404 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027182.D
Acq: 26 Sep 2018 17:00

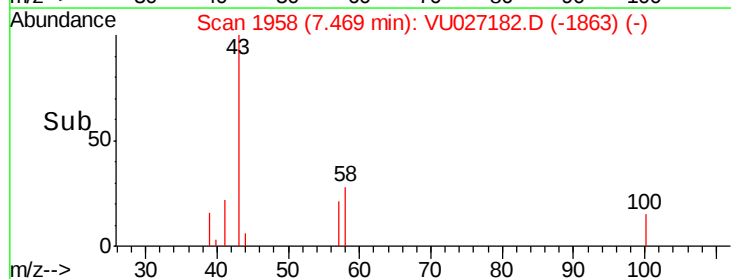
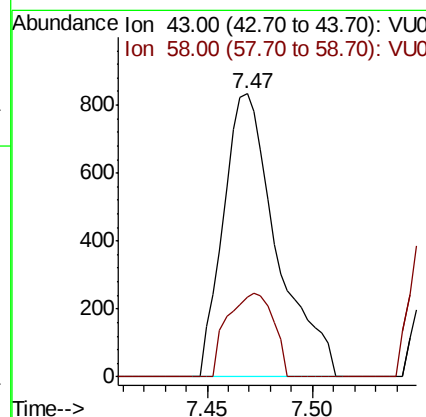
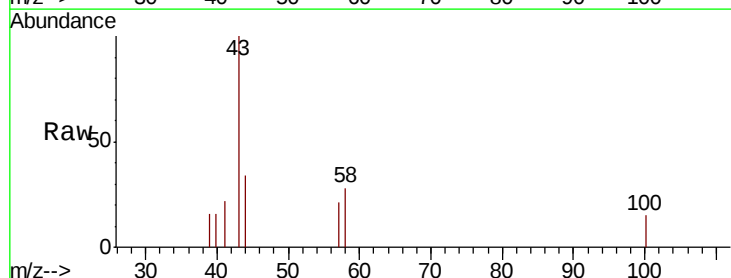
Instrument :
MSVOA_U
ClientSampleId :
MW-51-SEP18

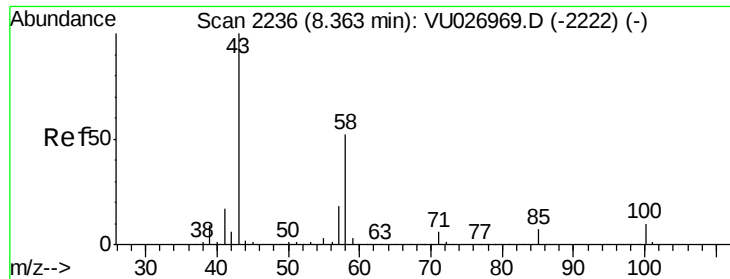
Tgt Ion: 98 Resp: 242317
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.546 ug/l
RT: 7.47 min Scan# 1958
Delta R.T. 0.01 min
Lab File: VU027182.D
Acq: 26 Sep 2018 17:00

Tgt Ion: 43 Resp: 1465
Ion Ratio Lower Upper
43 100
58 25.4 29.8 44.6#

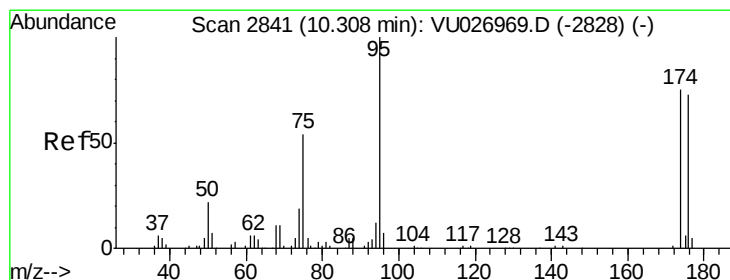
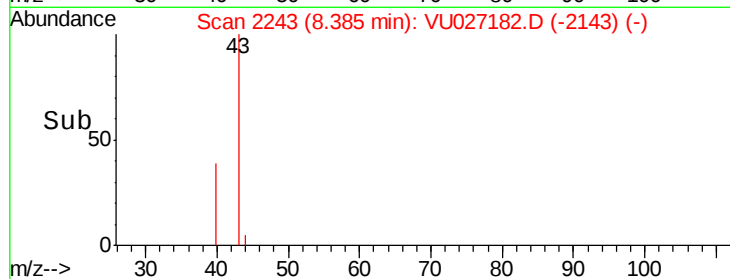
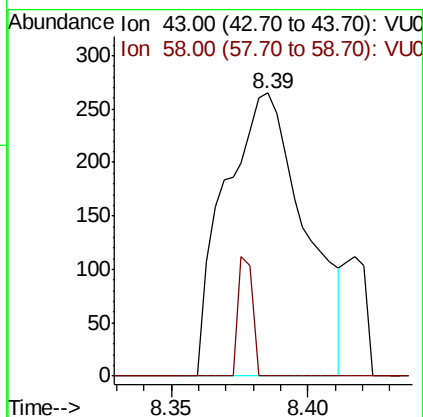
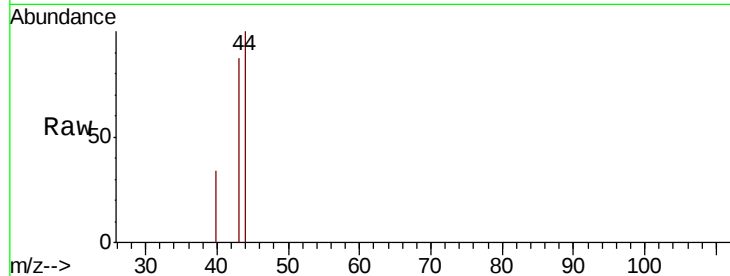




#59
2-Hexanone
Concen: 0.257 ug/l
RT: 8.39 min Scan# 2243
Delta R.T. 0.02 min
Lab File: VU027182.D
Acq: 26 Sep 2018 17:00

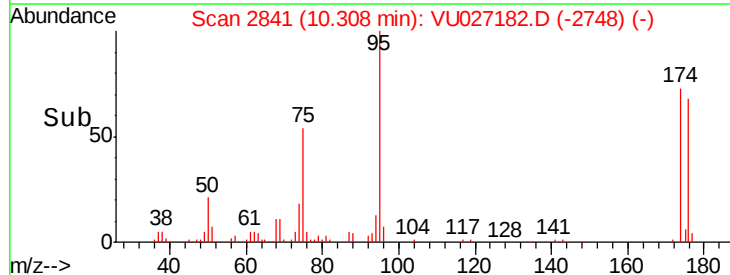
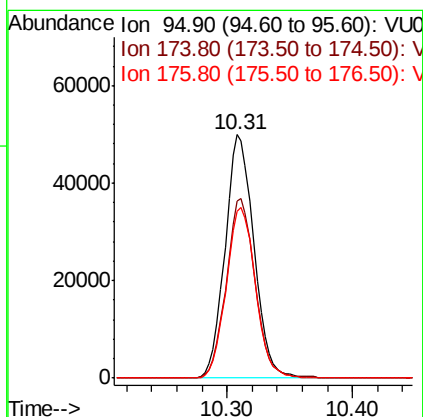
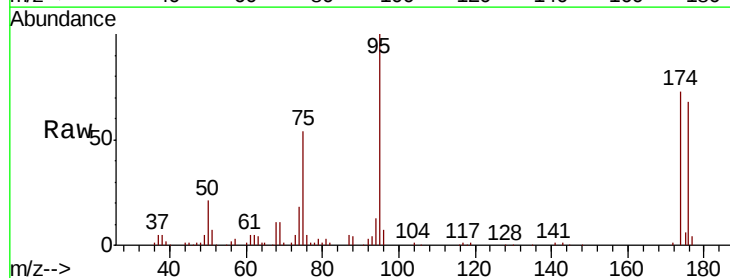
Instrument :
MSVOA_U
ClientSampleId :
MW-51-SEP18

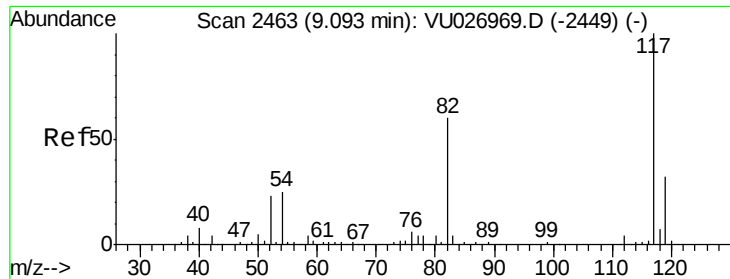
Tgt Ion: 43 Resp: 540
Ion Ratio Lower Upper
43 100
58 7.6 26.1 78.2#



#62
4-Bromofluorobenzene
Concen: 46.372 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027182.D
Acq: 26 Sep 2018 17:00

Tgt Ion: 95 Resp: 79656
Ion Ratio Lower Upper
95 100
174 73.8 0.0 150.2
176 70.8 0.0 145.2

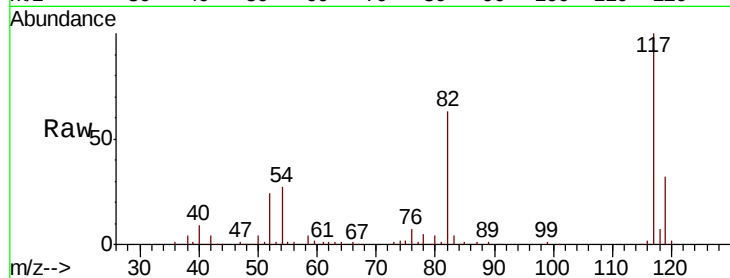




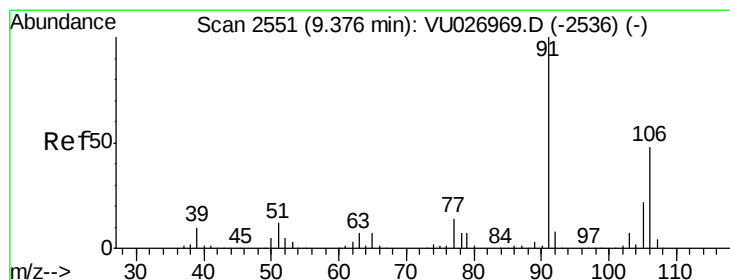
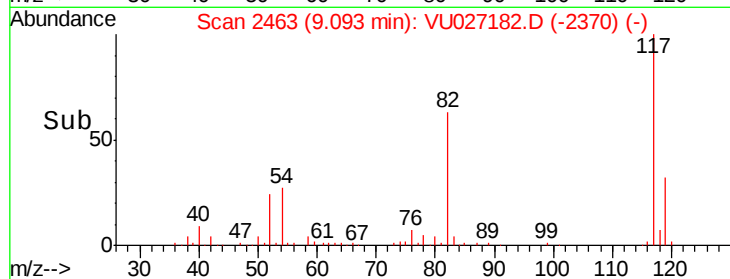
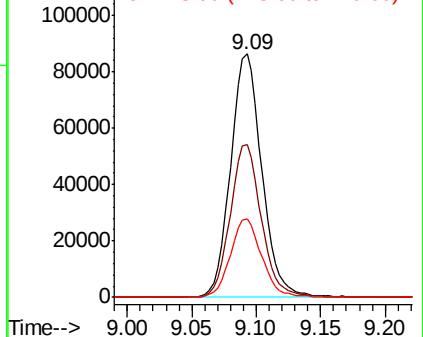
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027182.D
Acq: 26 Sep 2018 17:00

Instrument :
MSVOA_U
ClientSampleId :
MW-51-SEP18

Tgt Ion:117 Resp: 145429
Ion Ratio Lower Upper
117 100
82 62.6 48.0 72.0
119 32.4 25.8 38.8

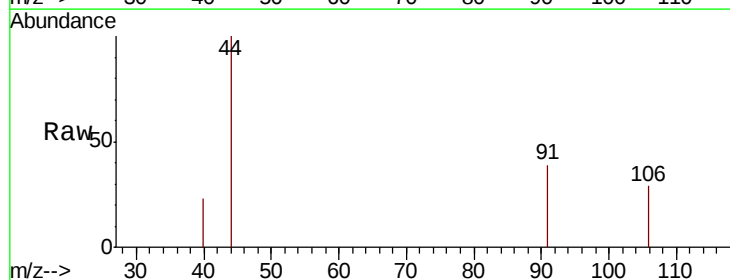


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

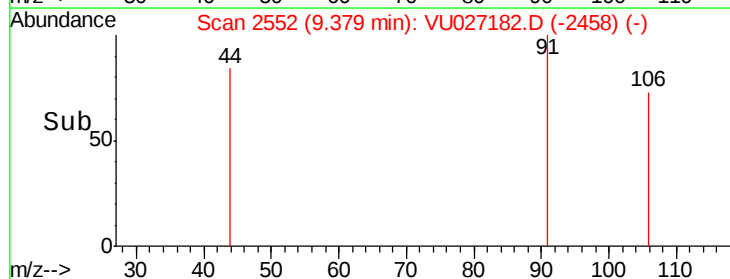
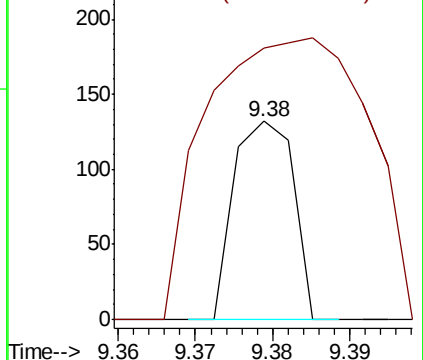


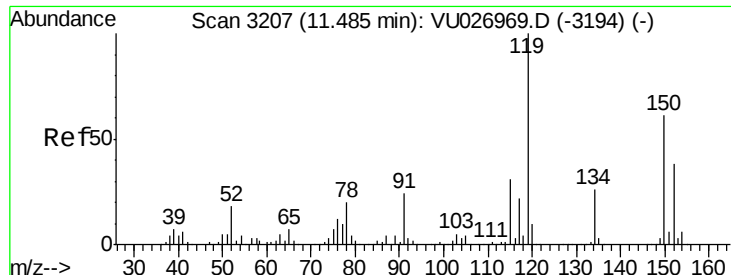
#68
m/p-Xylenes
Concen: 1.528 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU027182.D
Acq: 26 Sep 2018 17:00

Tgt Ion:106 Resp: 71
Ion Ratio Lower Upper
106 100
91 383.1 166.5 249.7#



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027182.D

Acq: 26 Sep 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

MW-51-SEP18

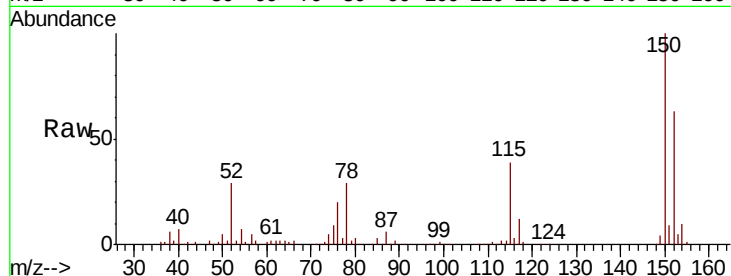
Tgt Ion: 152 Resp: 68030

Ion Ratio Lower Upper

152 100

115 61.6 44.9 134.5

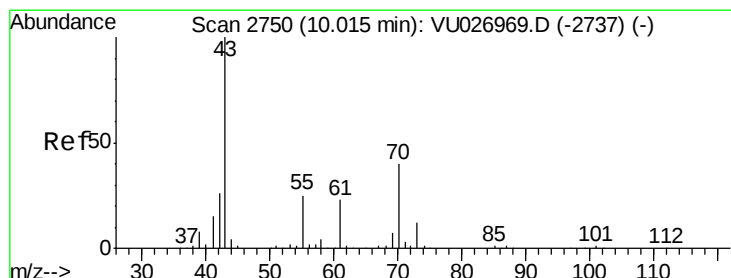
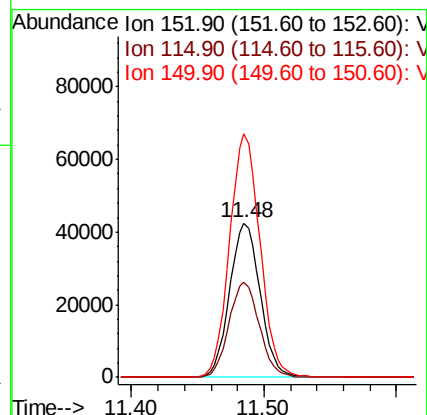
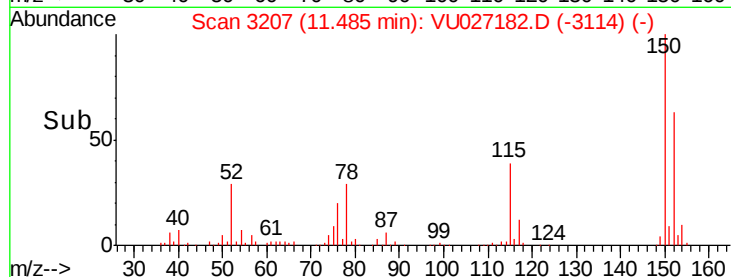
150 157.9 0.0 355.8



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



#74

N-ethyl acetate

Concen: 0.353 ug/l

RT: 9.93 min Scan# 2724

Delta R.T. -0.08 min

Lab File: VU027182.D

Acq: 26 Sep 2018 17:00

Tgt Ion: 43 Resp: 1058

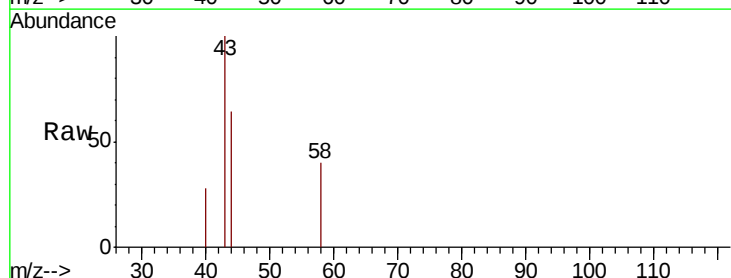
Ion Ratio Lower Upper

43 100

70 0.0 31.8 47.8#

55 0.0 19.9 29.9#

61 0.0 18.4 27.6#

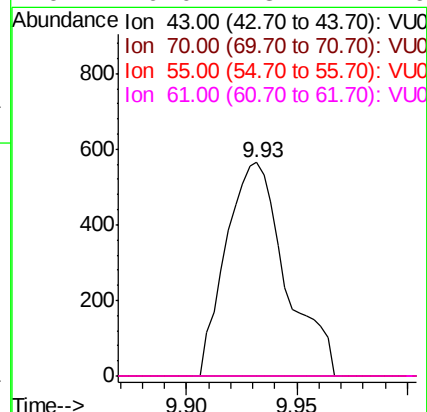
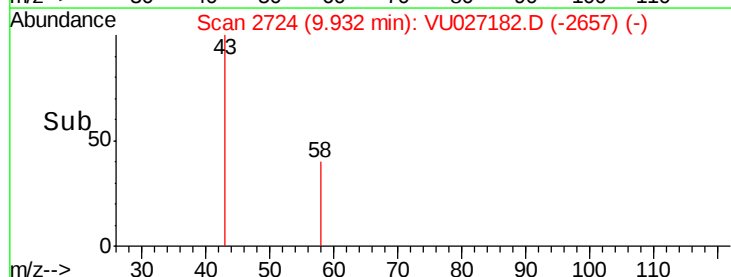


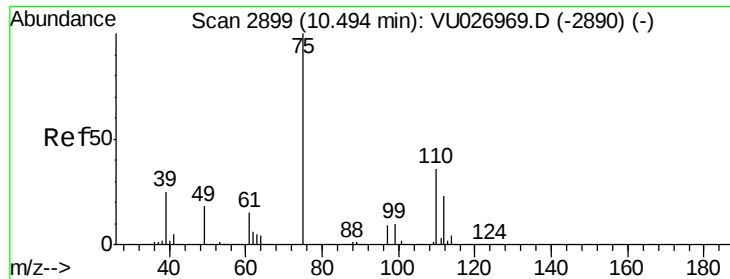
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

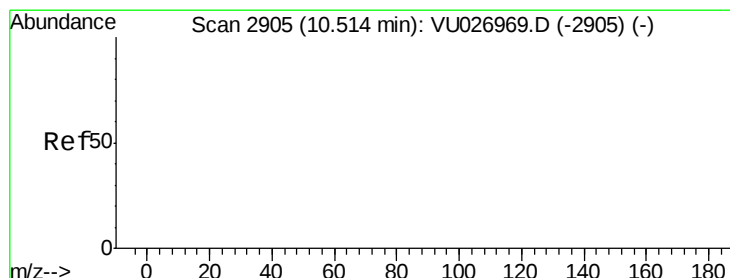
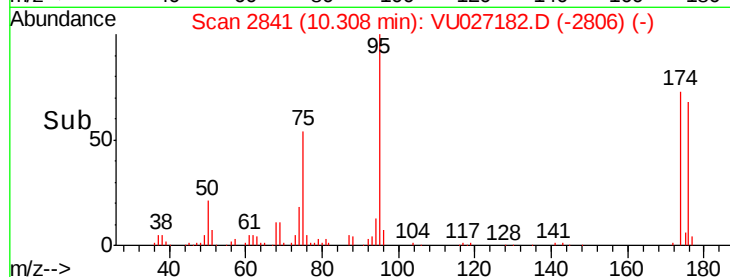
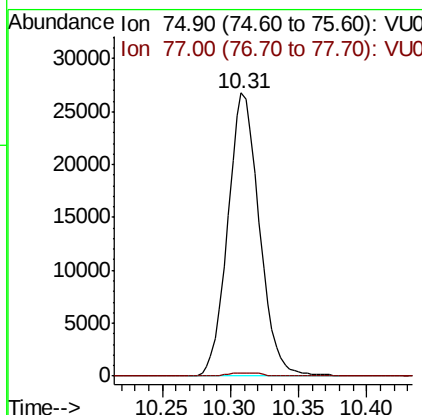
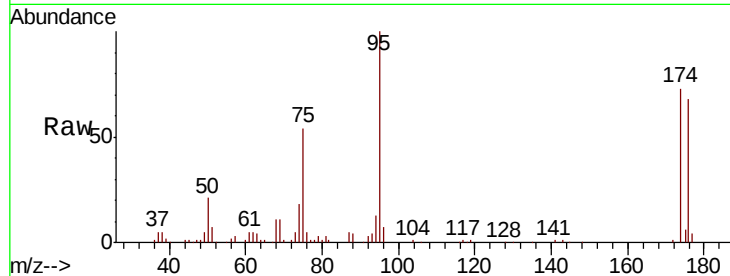




#76
 1,2,3-Trichloropropane
 Concen: 20.868 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027182.D
 Acq: 26 Sep 2018 17:00

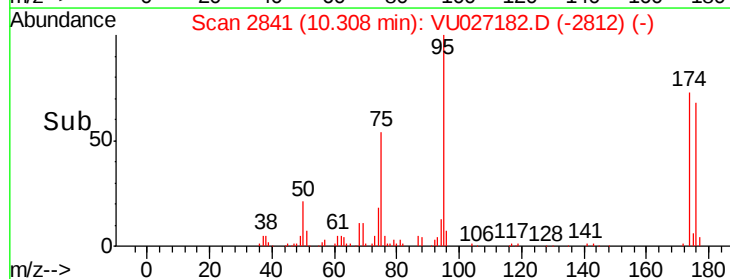
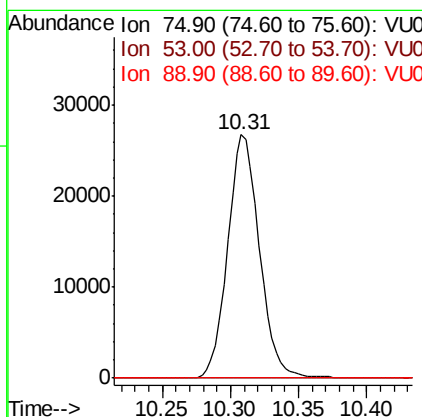
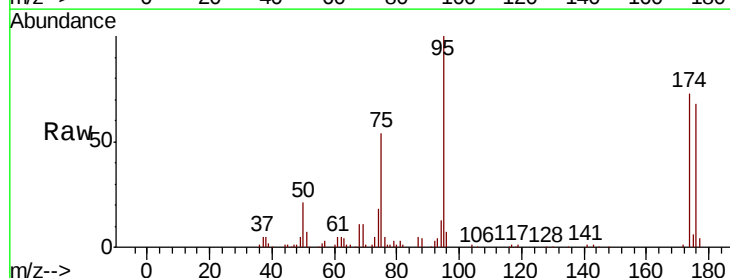
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-51-SEP18

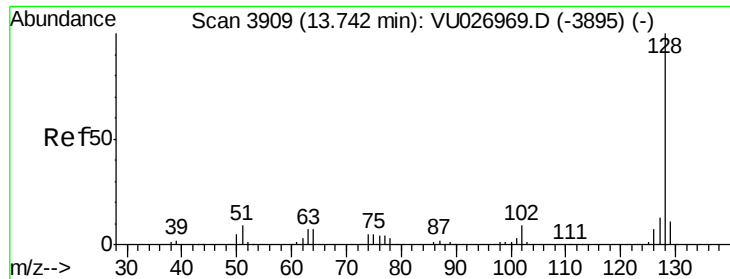
Tgt Ion: 75 Resp: 43129
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.9 62.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.782 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.21 min
 Lab File: VU027182.D
 Acq: 26 Sep 2018 17:00

Tgt Ion: 75 Resp: 43129
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#95

Naphthalene

Concen: 1.697 ug/l

RT: 13.76 min Scan# 3915

Delta R.T. 0.02 min

Lab File: VU027182.D

Acq: 26 Sep 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

MW-51-SEP18

Tgt Ion:128 Resp: 44

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 12.8#

