

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
 Data File : VU025127.D
 Acq On : 01 Jul 2018 08:10
 Operator : MD/SY
 Sample : J3789-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-5

Quant Time: Jul 02 05:49:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	202202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	304975	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	283225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	144880	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	154039	46.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.32%	
35) Dibromofluoromethane	4.89	113	120738	47.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.40%	
50) Toluene-d8	7.57	98	440577	47.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.44%	
62) 4-Bromofluorobenzene	10.31	95	162119	44.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	796	0.308	ug/l #	74
6) Chloroethane	1.71	64	79	Below Cal	#	43
11) Tert butyl alcohol	2.84	59	983	1.224	ug/l #	72
16) Acetone	2.32	43	3933	2.217	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	30347	3.506	ug/l	97
31) Cyclohexane	4.99	56	4049	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	14932	4.167	ug/l #	51
38) Carbon Tetrachloride	4.99	117	19737	5.008	ug/l #	16
51) 4-Methyl-2-Pentanone	7.57	43	2076	0.489	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	84878	26.610	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	84878	61.586	ug/l #	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025127.D

Acq: 01 Jul 2018 08:10

Instrument :

MSVOA_U

ClientSampleId :

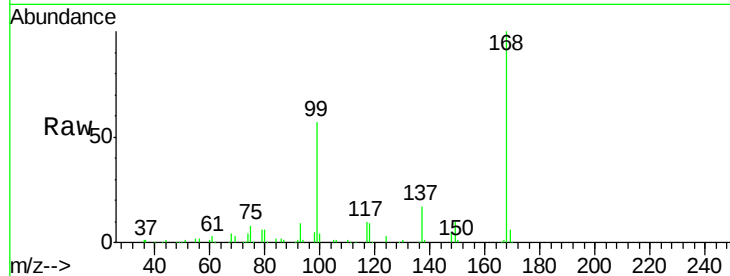
MW-5

Tgt Ion:168 Resp: 202202

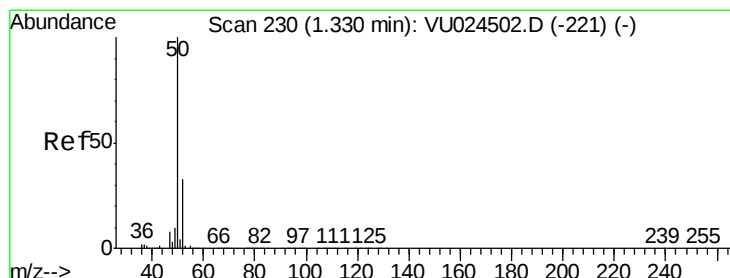
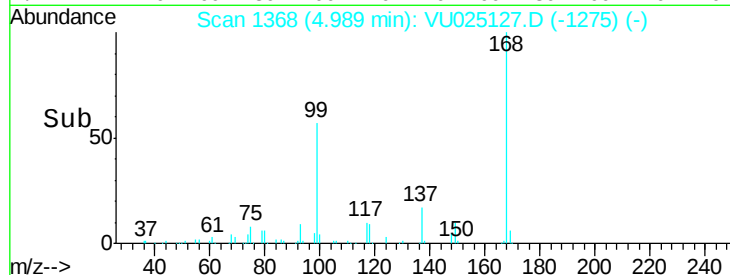
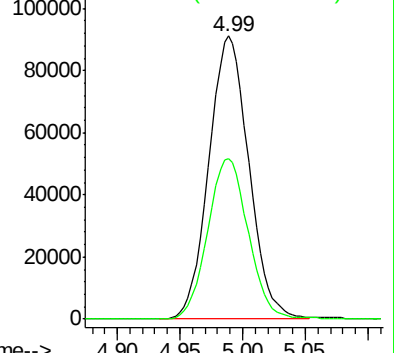
Ion Ratio Lower Upper

168 100

99 56.8 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)



#3

Chloromethane

Concen: 0.308 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025127.D

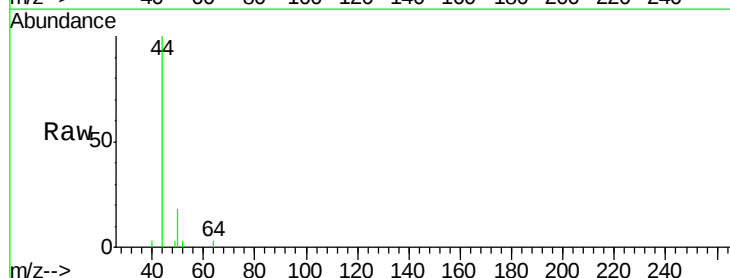
Acq: 01 Jul 2018 08:10

Tgt Ion: 50 Resp: 796

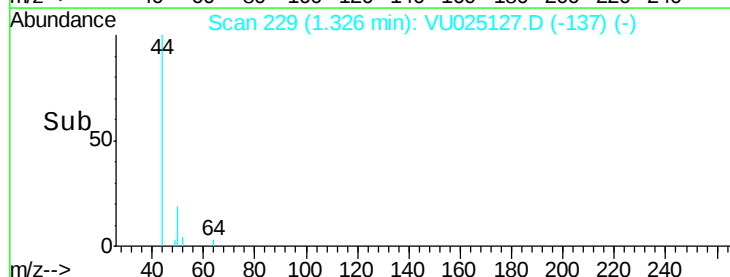
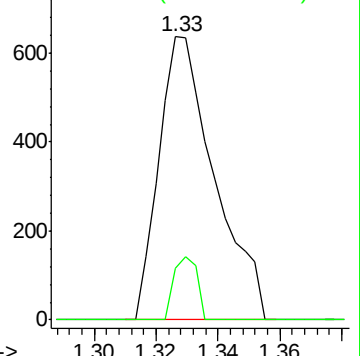
Ion Ratio Lower Upper

50 100

52 18.2 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 348

Delta R.T. 0.01 min

Lab File: VU025127.D

Acq: 01 Jul 2018 08:10

Instrument :

MSVOA_U

ClientSampleId :

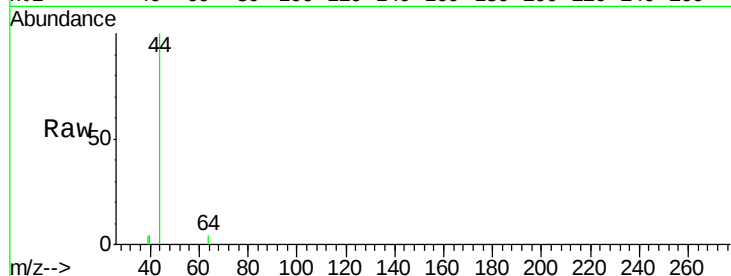
MW-5

Tgt Ion: 64 Resp: 79

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.71

100

80

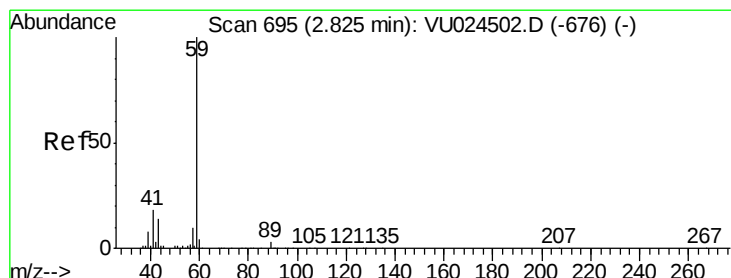
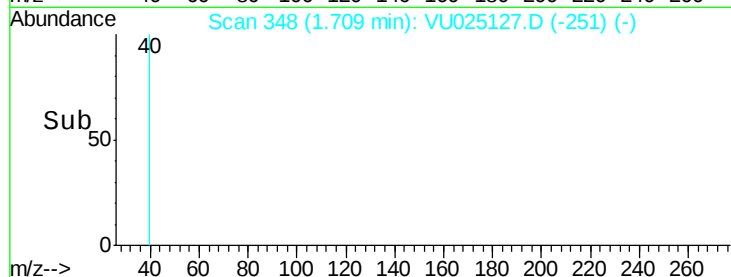
60

40

20

0

Time--> 1.69 1.70 1.71 1.72 1.73



#11

Tert butyl alcohol

Concen: 1.224 ug/l

RT: 2.84 min Scan# 701

Delta R.T. 0.02 min

Lab File: VU025127.D

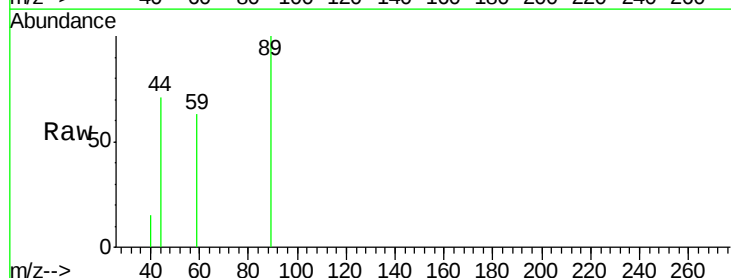
Acq: 01 Jul 2018 08:10

Tgt Ion: 59 Resp: 983

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.84

500

400

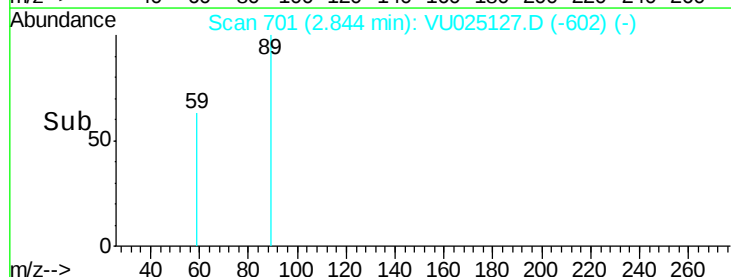
300

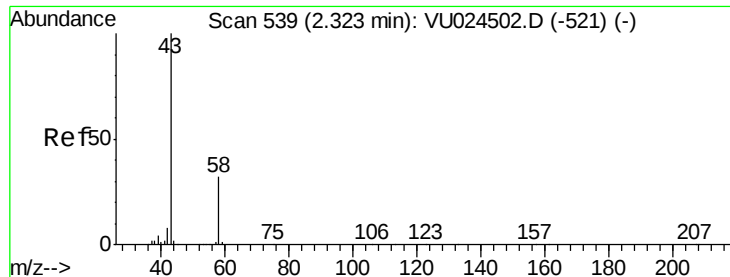
200

100

0

Time--> 2.80 2.85





#16

Acetone

Concen: 2.217 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU025127.D

Acq: 01 Jul 2018 08:10

Instrument :

MSVOA_U

ClientSampleId :

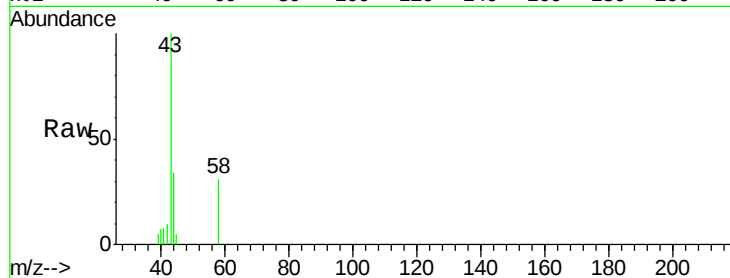
MW-5

Tgt Ion: 43 Resp: 3933

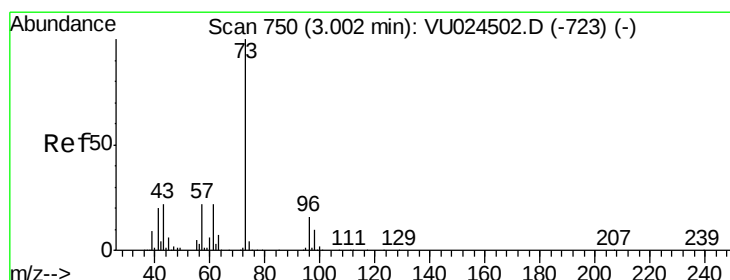
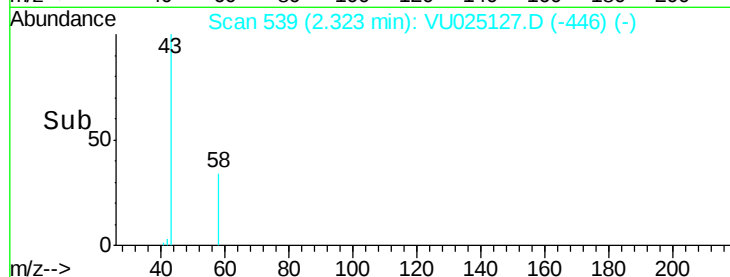
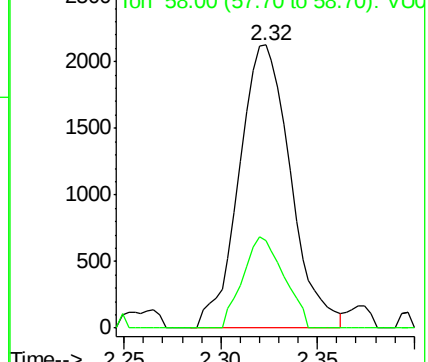
Ion Ratio Lower Upper

43 100

58 30.8 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-521) (-)



#19

Methyl tert-butyl Ether

Concen: 3.506 ug/l

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU025127.D

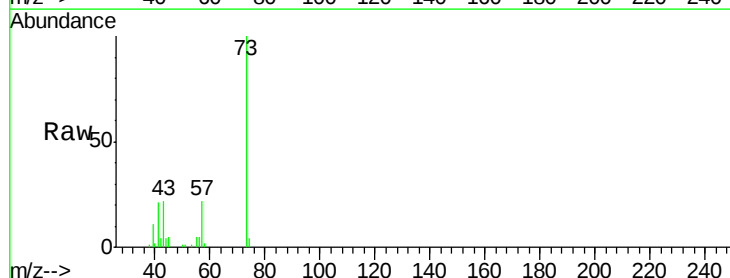
Acq: 01 Jul 2018 08:10

Tgt Ion: 73 Resp: 30347

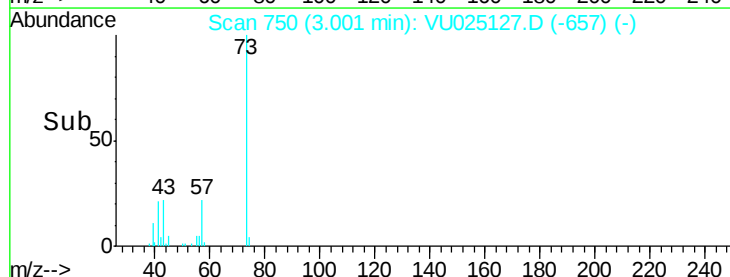
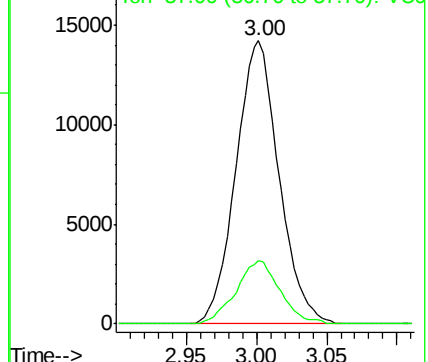
Ion Ratio Lower Upper

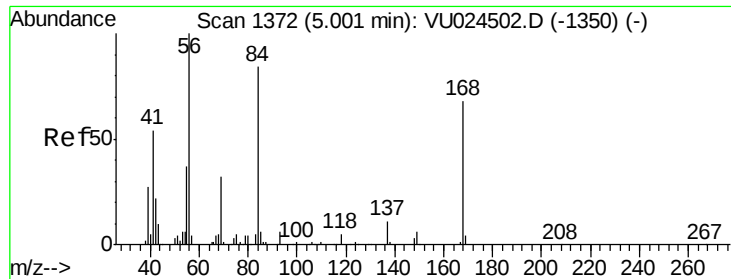
73 100

57 22.2 18.8 28.2



Abundance Ion 73.00 (72.70 to 73.70): VU024502.D (-723) (-)

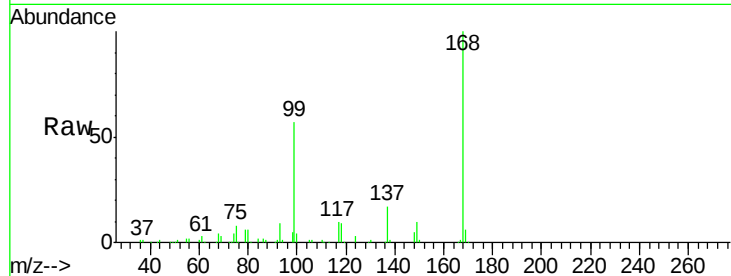




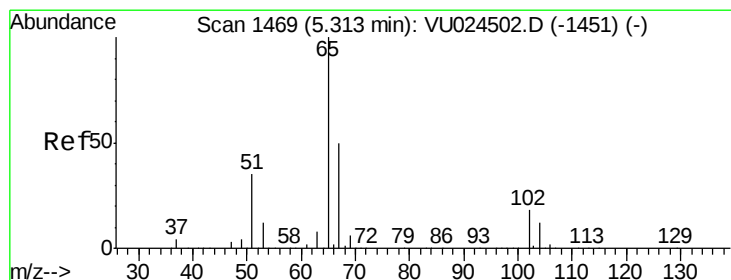
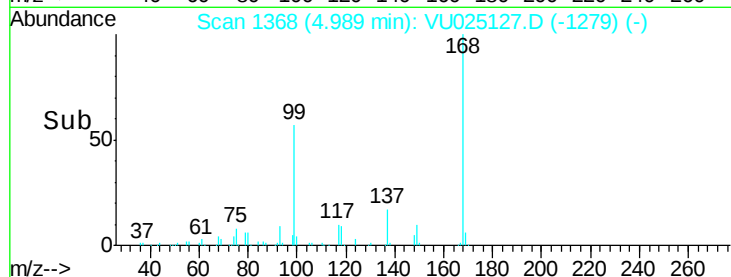
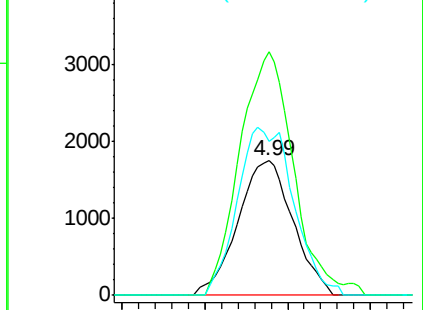
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU025127.D
Acq: 01 Jul 2018 08:10

Instrument :
MSVOA_U
ClientSampled :
MW-5

Tgt Ion: 56 Resp: 4049
Ion Ratio Lower Upper
56 100
69 181.0 24.8 37.2#
84 114.3 65.2 97.8#

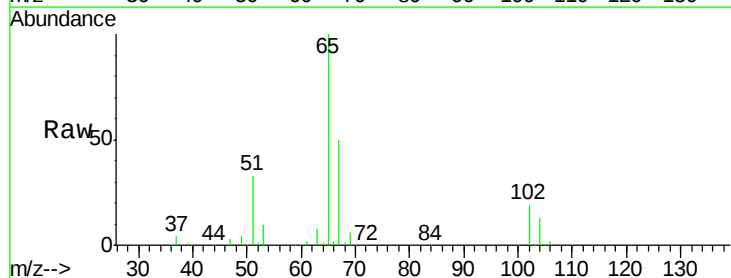


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

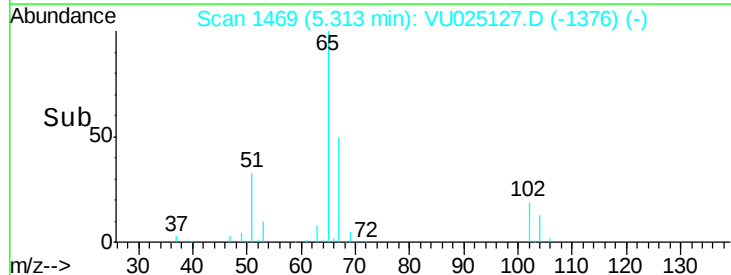
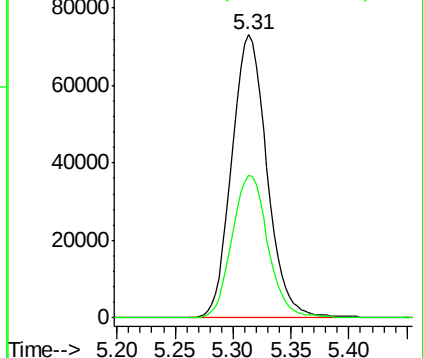


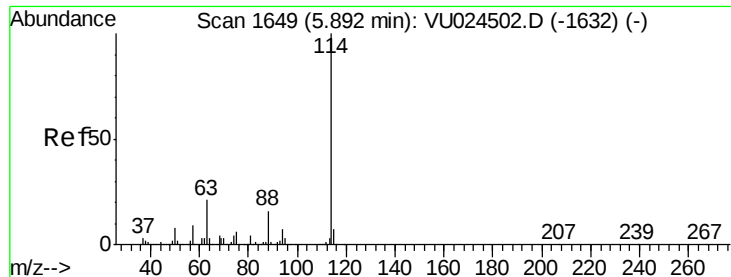
#33
1,2-Dichloroethane-d4
Concen: 46.665 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU025127.D
Acq: 01 Jul 2018 08:10

Tgt Ion: 65 Resp: 154039
Ion Ratio Lower Upper
65 100
67 51.4 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU025127.D

Acq: 01 Jul 2018 08:10

Instrument :

MSVOA_U

ClientSampleId :

MW-5

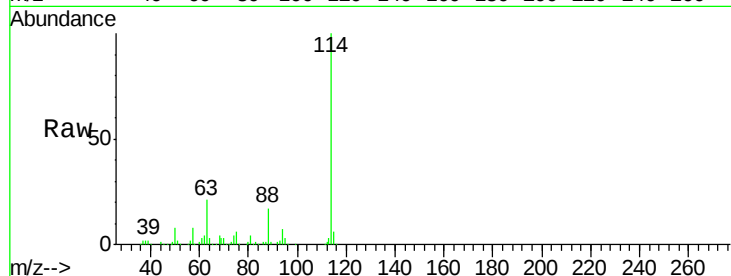
Tgt Ion:114 Resp: 304975

Ion Ratio Lower Upper

114 100

63 20.9 0.0 45.4

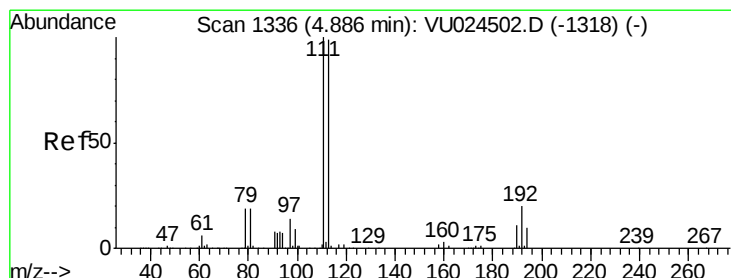
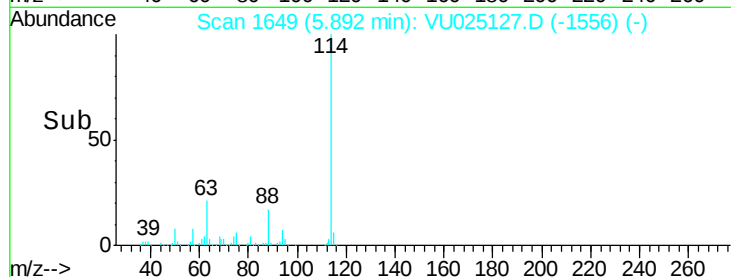
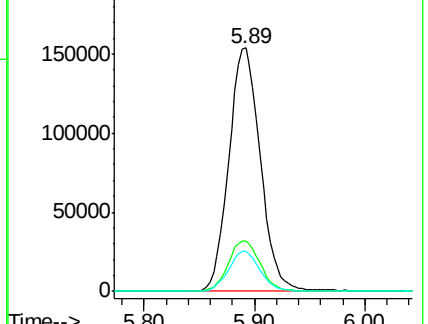
88 16.5 0.0 31.0



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: 47.703 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025127.D

Acq: 01 Jul 2018 08:10

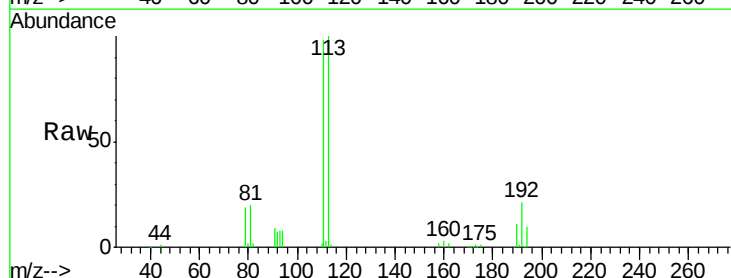
Tgt Ion:113 Resp: 120738

Ion Ratio Lower Upper

113 100

111 100.8 82.2 123.4

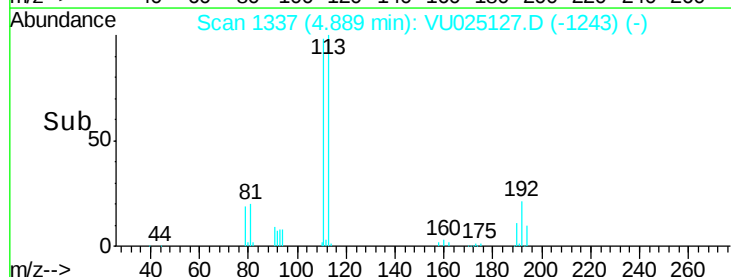
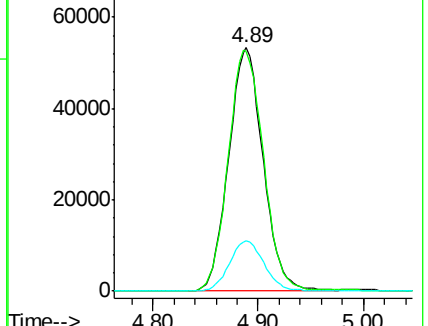
192 20.7 16.2 24.4

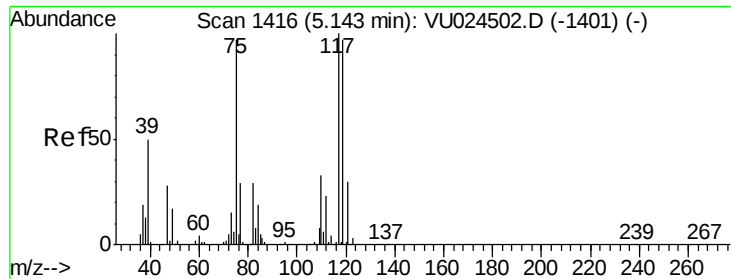


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

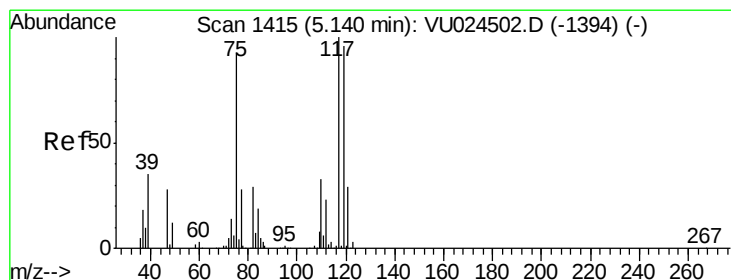
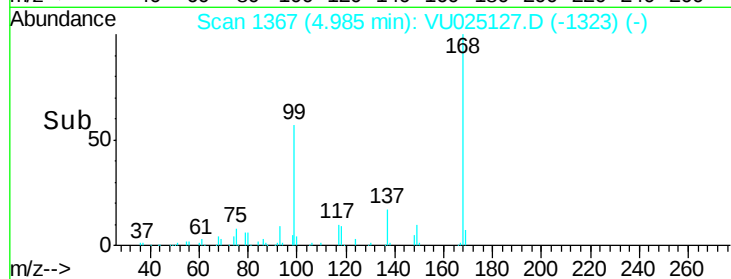
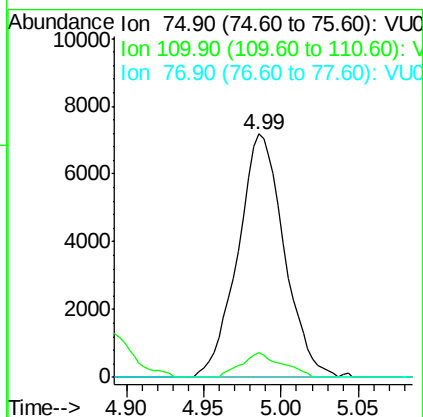
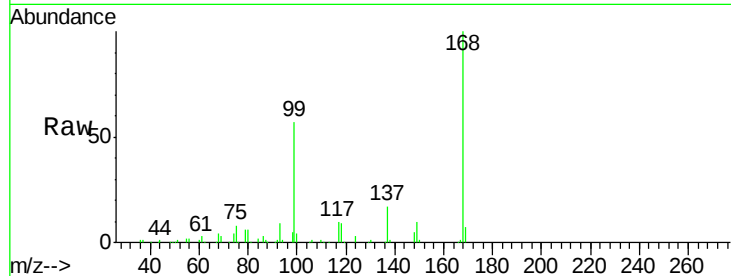




#36
 1,1-Dichloropropene
 Concen: 4.167 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU025127.D
 Acq: 01 Jul 2018 08:10

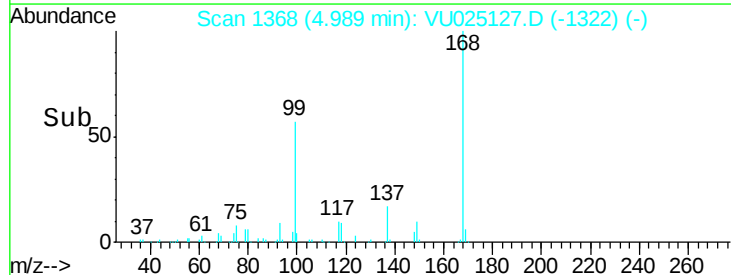
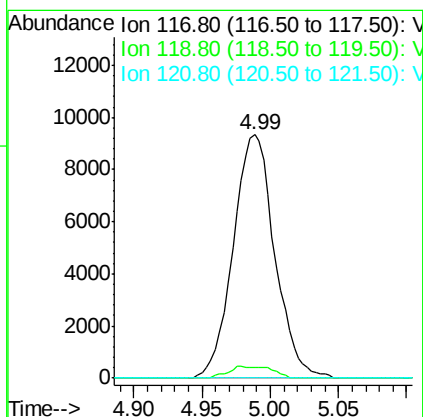
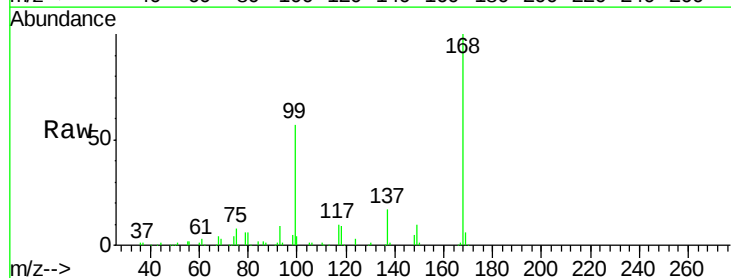
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-5

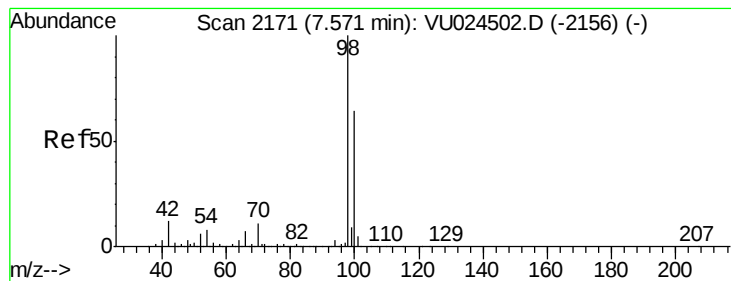
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.0	50.9#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 5.008 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025127.D
 Acq: 01 Jul 2018 08:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	76.1	114.1#
121	0.0	23.7	35.5#





#50

Toluene-d8

Concen: 47.721 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025127.D

Acq: 01 Jul 2018 08:10

Instrument :

MSVOA_U

ClientSampleId :

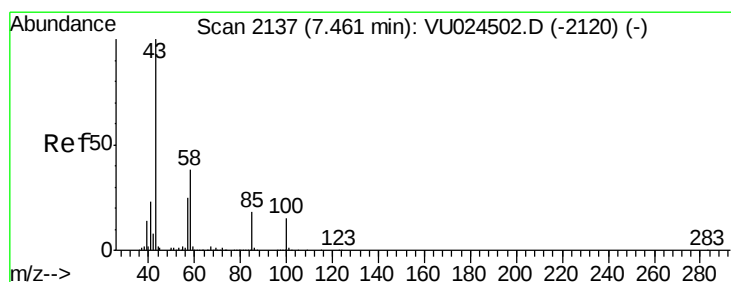
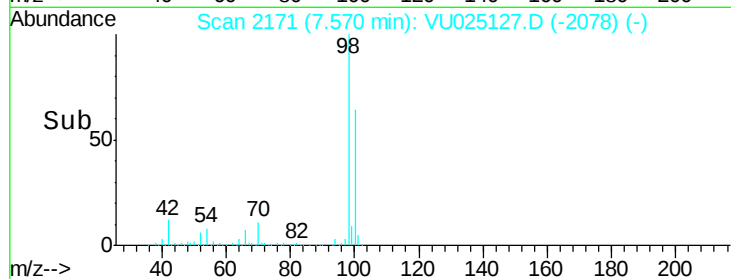
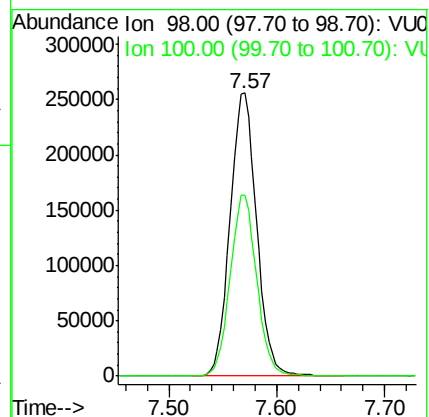
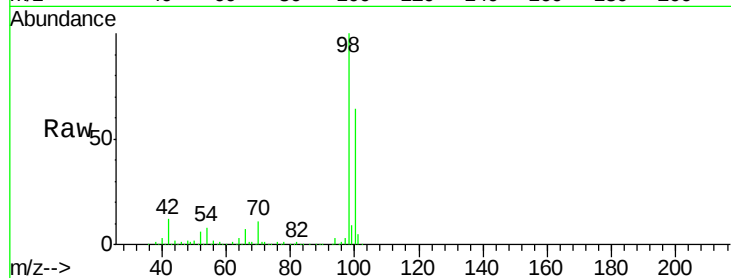
MW-5

Tgt Ion: 98 Resp: 440577

Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 0.489 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.11 min

Lab File: VU025127.D

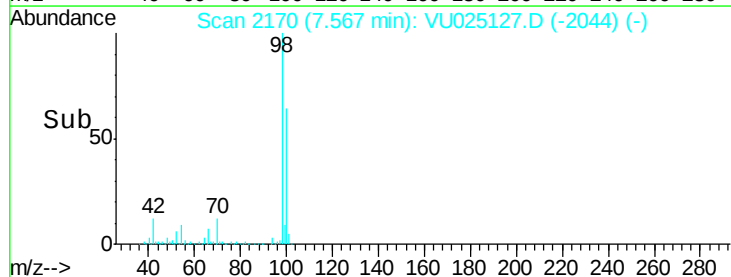
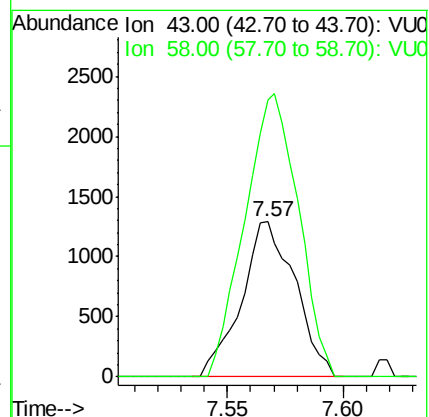
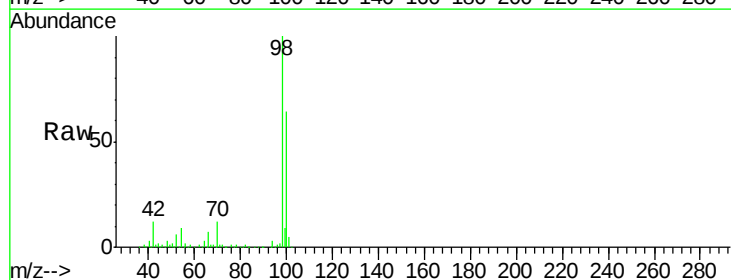
Acq: 01 Jul 2018 08:10

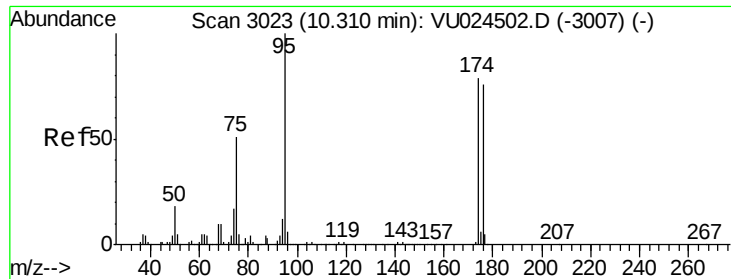
Tgt Ion: 43 Resp: 2076

Ion Ratio Lower Upper

43 100

58 182.7 30.0 45.0#





#62

4-Bromofluorobenzene

Concen: 44.227 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025127.D

Acq: 01 Jul 2018 08:10

Instrument :

MSVOA_U

ClientSampleId :

MW-5

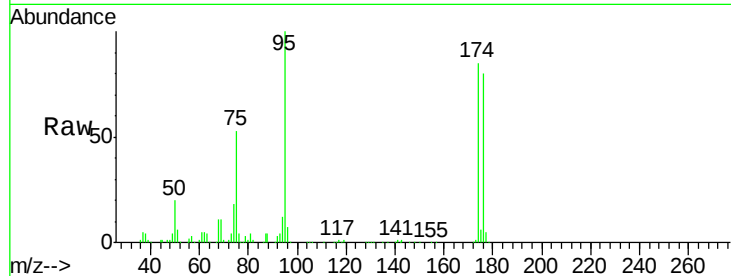
Tgt Ion: 95 Resp: 162119

Ion Ratio Lower Upper

95 100

174 85.5 0.0 165.8

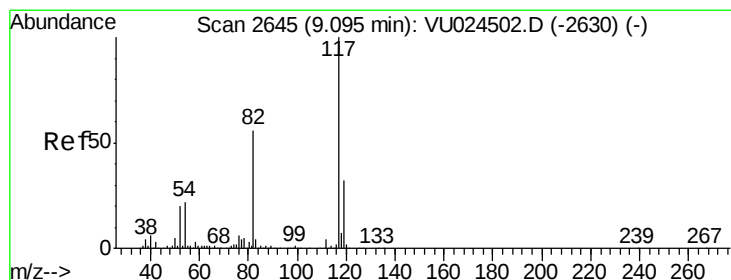
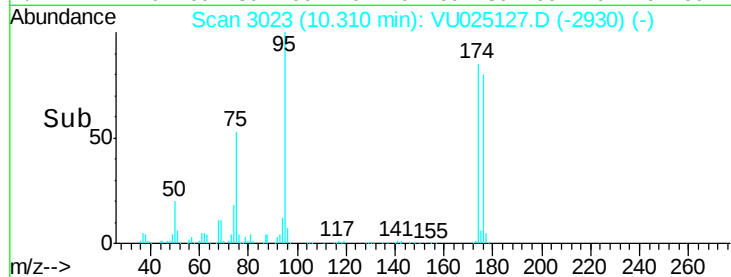
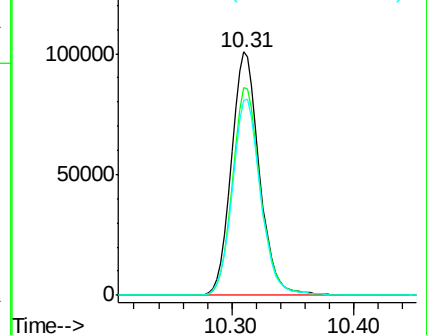
176 81.3 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU025127.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU025127.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU025127.D (-2930) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. -0.00 min

Lab File: VU025127.D

Acq: 01 Jul 2018 08:10

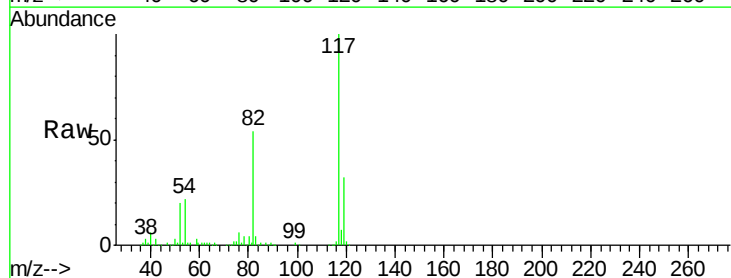
Tgt Ion: 117 Resp: 283225

Ion Ratio Lower Upper

117 100

82 54.4 44.3 66.5

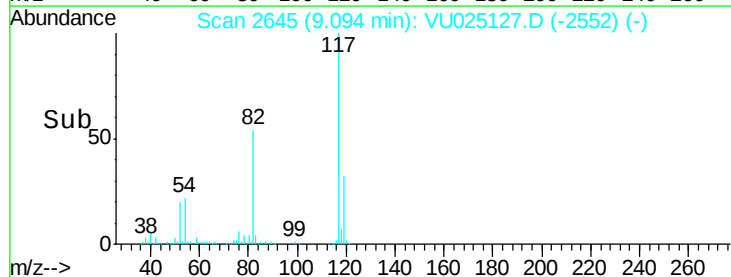
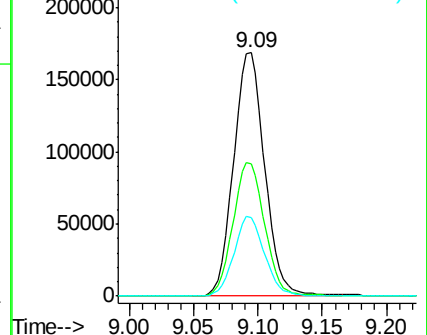
119 32.4 25.4 38.2

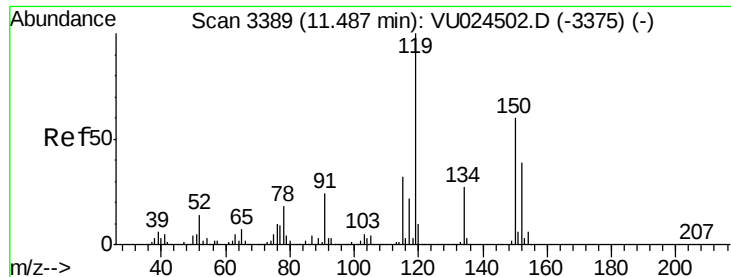


Abundance Ion 116.90 (116.60 to 117.60): VU025127.D (-2552) (-)

Ion 82.00 (81.70 to 82.70): VU025127.D (-2552) (-)

Ion 118.90 (118.60 to 119.60): VU025127.D (-2552) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025127.D

Acq: 01 Jul 2018 08:10

Instrument :

MSVOA_U

ClientSampleId :

MW-5

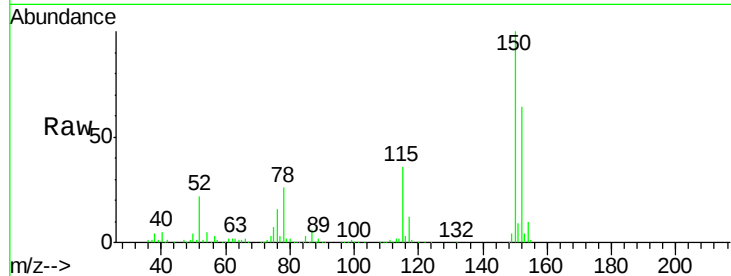
Tgt Ion:152 Resp: 144880

Ion Ratio Lower Upper

152 100

115 57.3 43.0 129.0

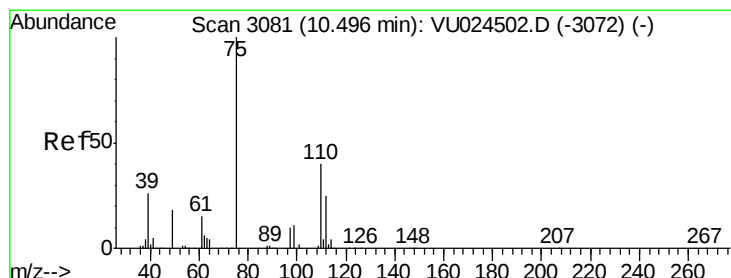
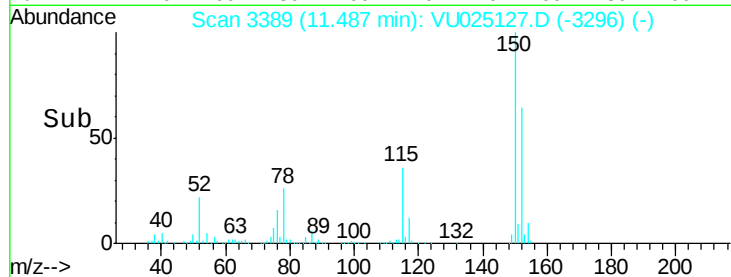
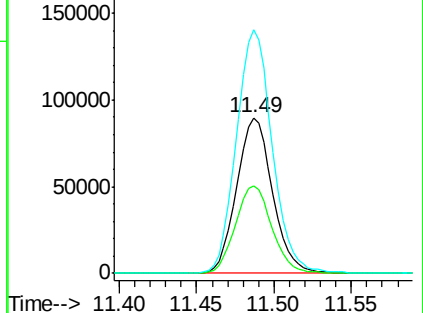
150 156.7 0.0 354.0



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: 26.610 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025127.D

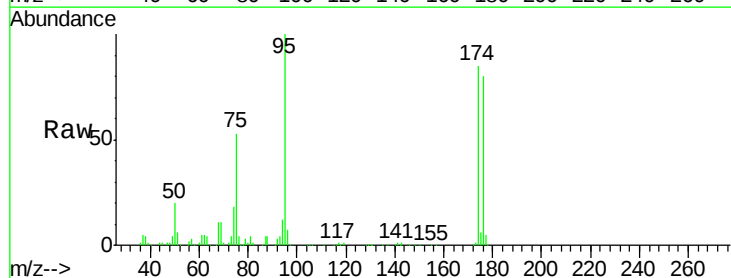
Acq: 01 Jul 2018 08:10

Tgt Ion: 75 Resp: 84878

Ion Ratio Lower Upper

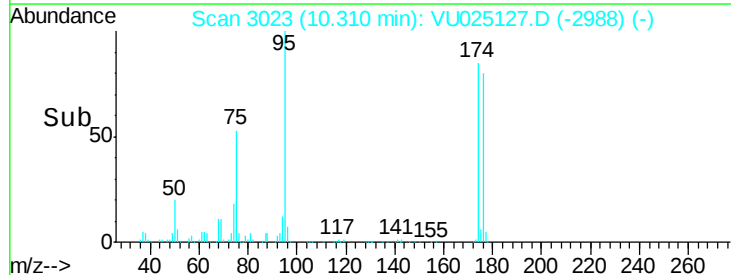
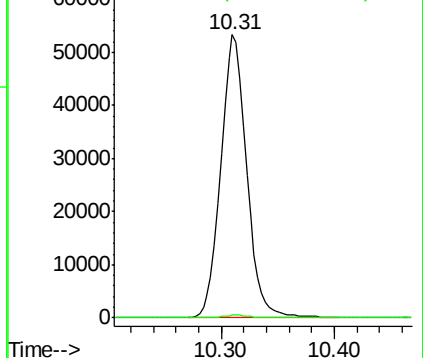
75 100

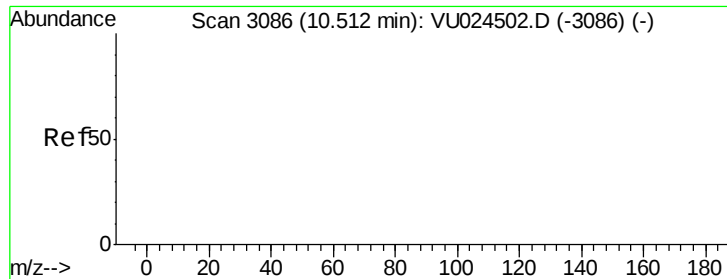
77 0.9 20.9 62.7#



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: 61.586 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025127.D

Acq: 01 Jul 2018 08:10

Instrument :

MSVOA_U

ClientSampleId :

MW-5

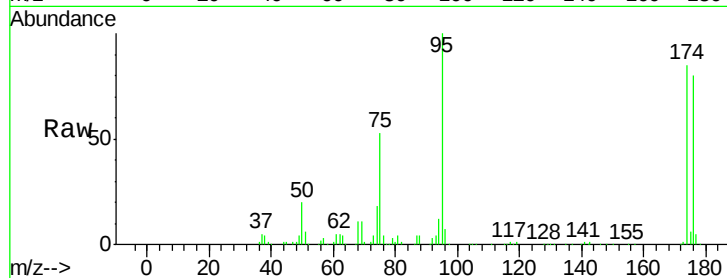
Tgt Ion: 75 Resp: 84878

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

