

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
 Data File : VU025129.D
 Acq On : 01 Jul 2018 08:58
 Operator : MD/SY
 Sample : J3789-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-7

Quant Time: Jul 02 05:49:39 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	213987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	315870	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	293892	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	149760	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	162915	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	
35) Dibromofluoromethane	4.89	113	124249	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
50) Toluene-d8	7.57	98	456547	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	
62) 4-Bromofluorobenzene	10.31	95	168490	44.38	ug/l	0.00
Spiked Amount			Recovery	=	88.76%	

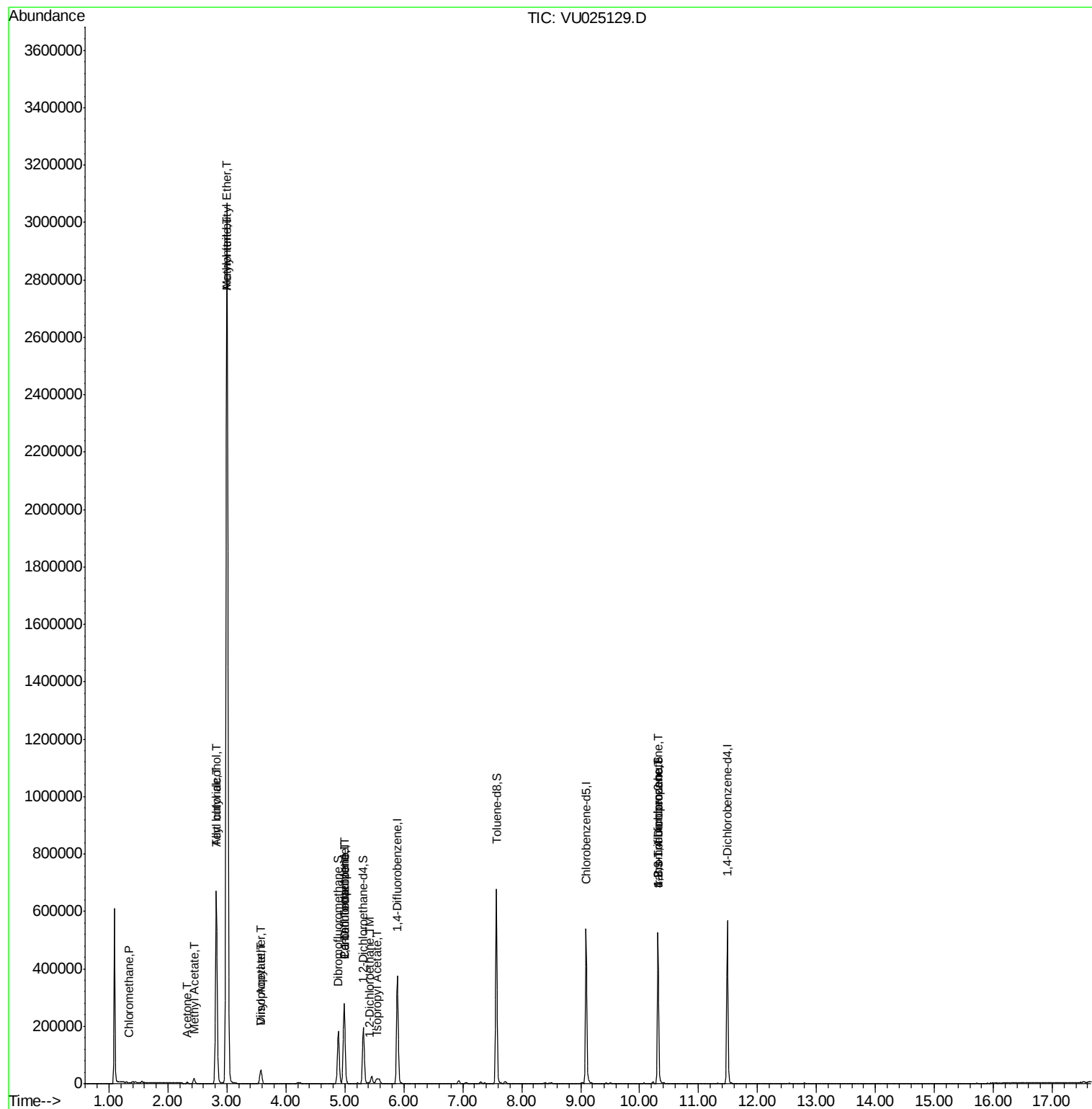
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	551	0.201	ug/l	95
6) Chloroethane	1.67	64	48	Below Cal	#	43
8) Diethyl Ether	2.11	74	244	Below Cal		76
11) Tert butyl alcohol	2.82	59	770731	907.146	ug/l	100
14) Allyl chloride	2.82	41	162359	35.888	ug/l #	55
15) Acrylonitrile	3.00	53	32973	19.947	ug/l #	28
16) Acetone	2.32	43	4423	2.356	ug/l	99
18) Methyl Acetate	2.44	43	4698	1.168	ug/l #	53
19) Methyl tert-butyl Ether	3.00	73	3271801	357.224	ug/l	96
22) Diisopropyl ether	3.57	45	48403	5.397	ug/l	94
23) Vinyl Acetate	3.57	43	25172	3.133	ug/l #	73
31) Cyclohexane	4.99	56	4212	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	15871	4.276	ug/l #	51
38) Carbon Tetrachloride	4.99	117	20456	5.012	ug/l #	16
42) 1,2-Dichloroethane	5.42	62	2666	0.662	ug/l	88
43) Isopropyl Acetate	5.54	43	1857	0.266	ug/l #	62
76) 1,2,3-Trichloropropane	10.31	75	88746	26.916	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	88746	62.294	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# 1368

Delta R.T. -0.00 min

Lab File: VU025129.D

Acq: 01 Jul 2018 08:58

Instrument :

MSVOA_U

ClientSampleId :

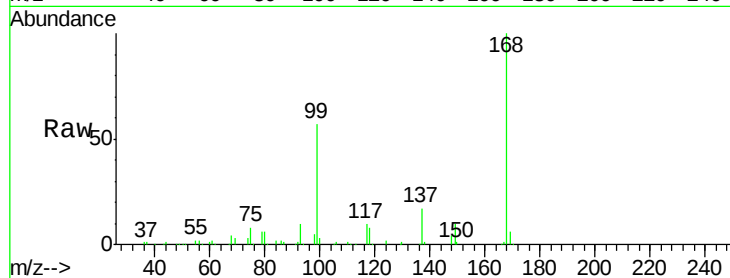
MW-7

Tgt Ion:168 Resp: 213987

Ion Ratio Lower Upper

168 100

99 57.3 43.2 64.8



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

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

4.99

100000

80000

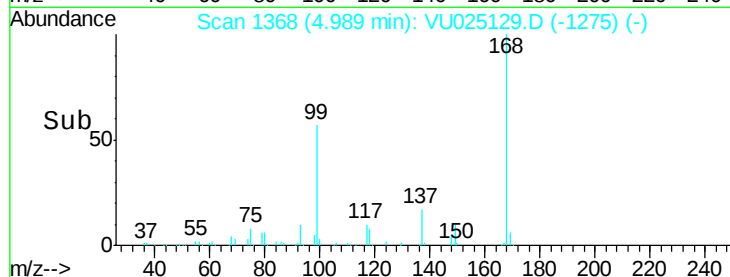
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.201 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025129.D

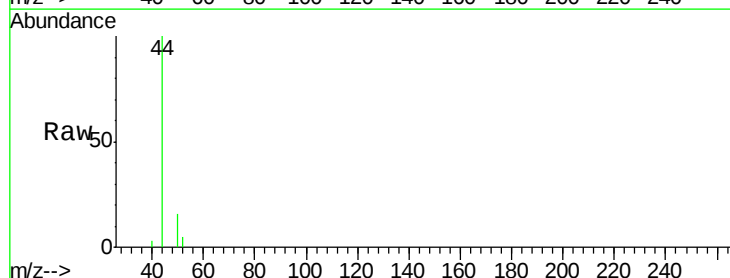
Acq: 01 Jul 2018 08:58

Tgt Ion: 50 Resp: 551

Ion Ratio Lower Upper

50 100

52 30.0 26.4 39.6



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

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)

1.33

600

500

400

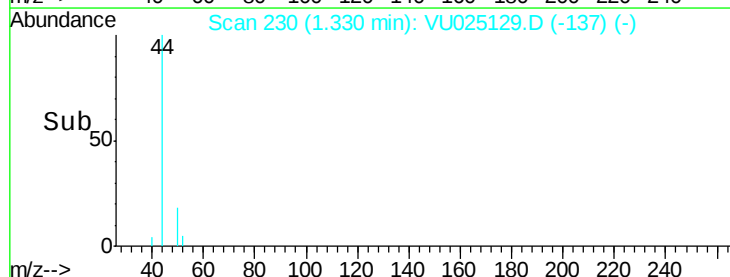
300

200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 335

Delta R.T. -0.03 min

Lab File: VU025129.D

Acq: 01 Jul 2018 08:58

Instrument :

MSVOA_U

ClientSampleId :

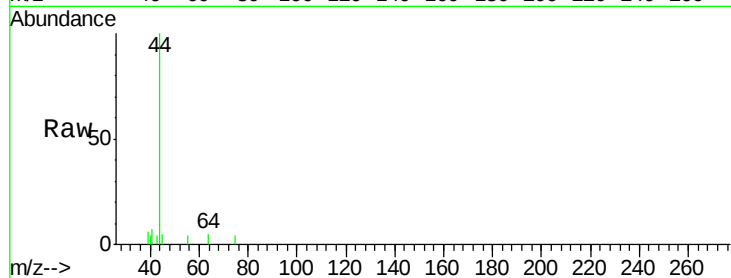
MW-7

Tgt Ion: 64 Resp: 48

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

1.67

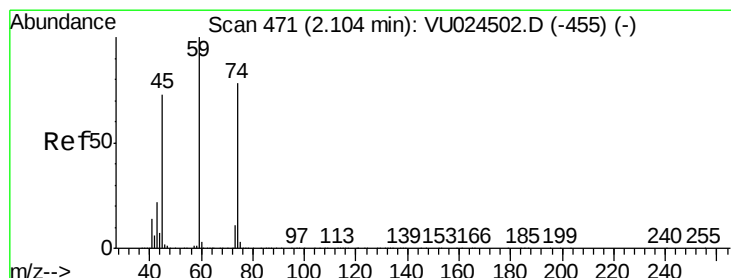
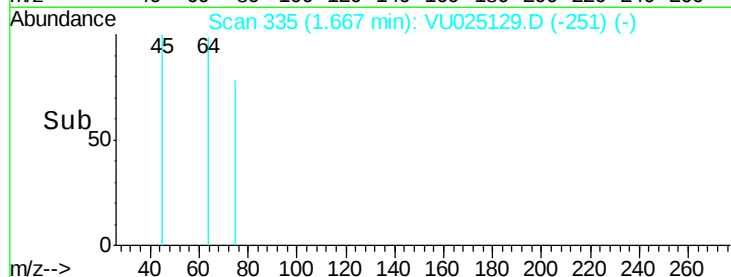
150

100

50

0

Time-->



#8

Diethyl Ether

Concen: Below Cal

RT: 2.11 min Scan# 473

Delta R.T. 0.01 min

Lab File: VU025129.D

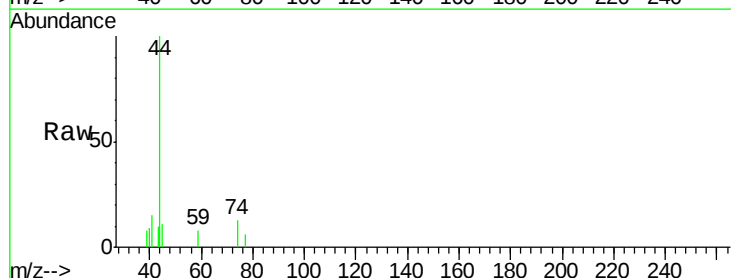
Acq: 01 Jul 2018 08:58

Tgt Ion: 74 Resp: 244

Ion Ratio Lower Upper

74 100

45 135.7 55.0 165.0



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

2.11

250

200

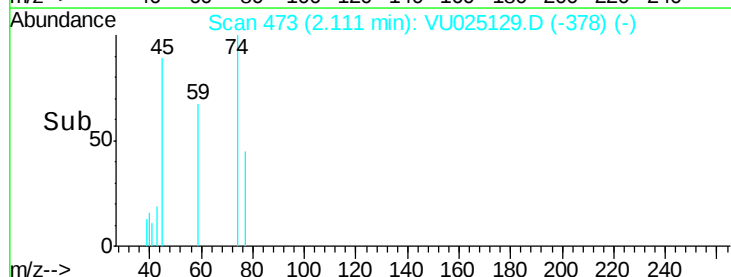
150

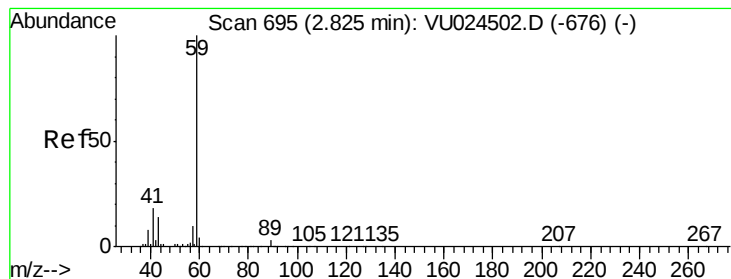
100

50

0

Time-->



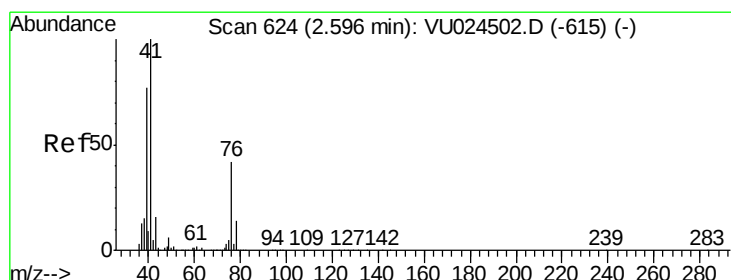
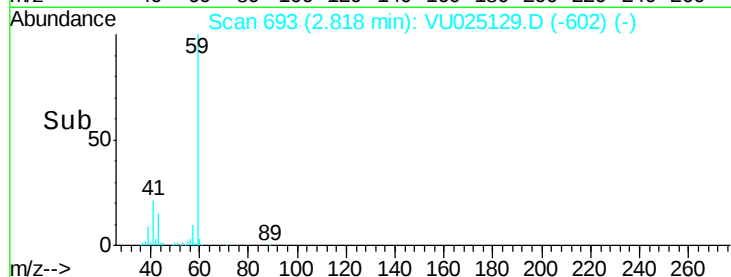
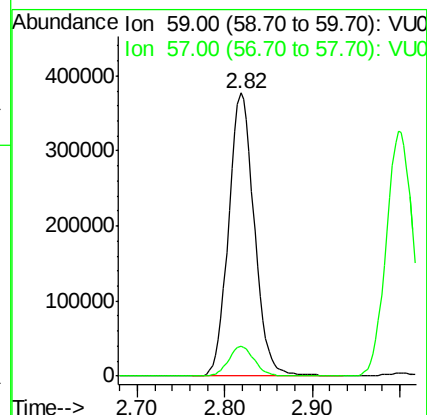
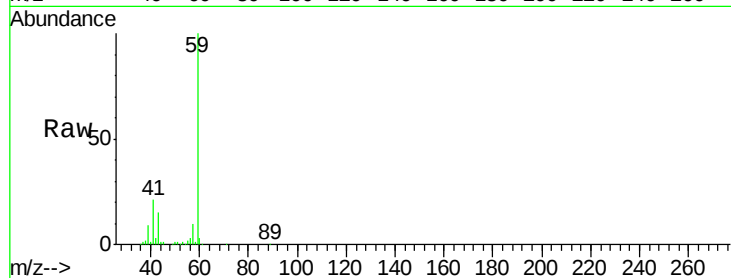


#11

Tert butyl alcohol
 Concen: 907.146 ug/l
 RT: 2.82 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: VU025129.D
 Acq: 01 Jul 2018 08:58

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-7

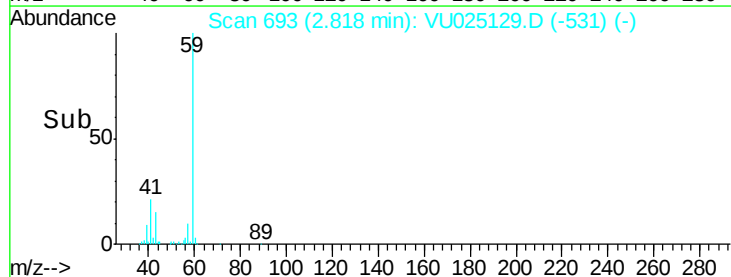
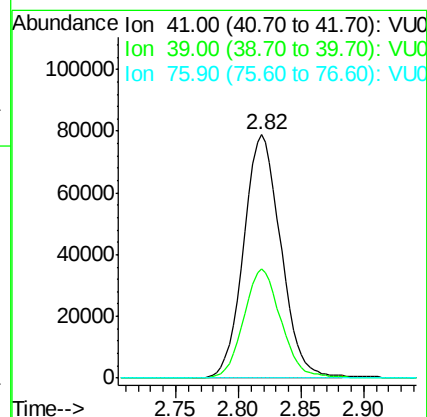
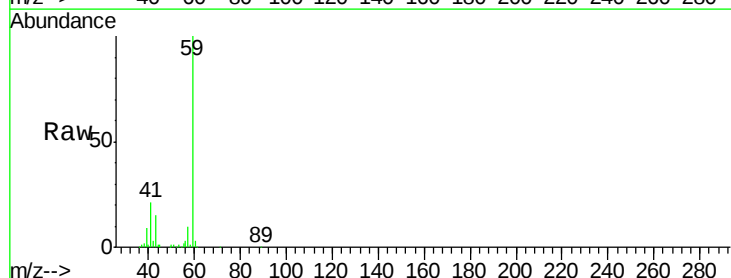
Tgt Ion: 59 Resp: 770731
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.5 12.7

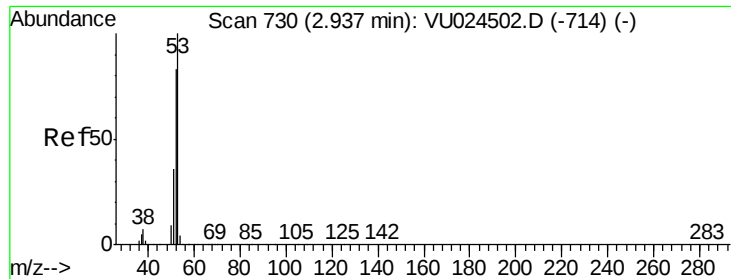


#14

Allyl chloride
 Concen: 35.888 ug/l
 RT: 2.82 min Scan# 693
 Delta R.T. 0.22 min
 Lab File: VU025129.D
 Acq: 01 Jul 2018 08:58

Tgt Ion: 41 Resp: 162359
 Ion Ratio Lower Upper
 41 100
 39 44.9 61.6 92.4#
 76 0.0 29.7 44.5#





#15

Acrylonitrile

Concen: 19.947 ug/l

RT: 3.00 min Scan# 750

Delta R.T. 0.06 min

Lab File: VU025129.D

Acq: 01 Jul 2018 08:58

Instrument :

MSVOA_U

ClientSampleId :

MW-7

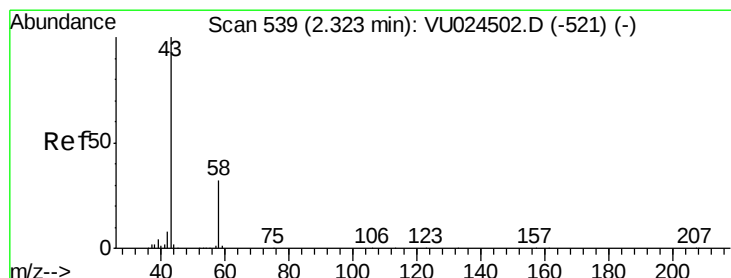
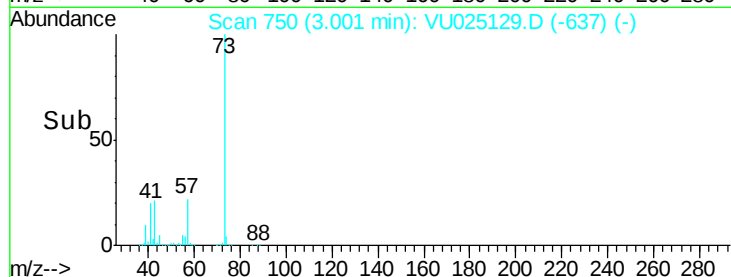
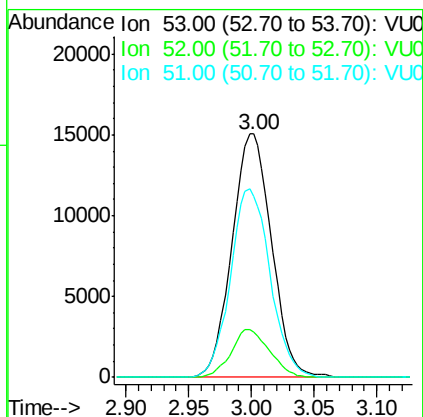
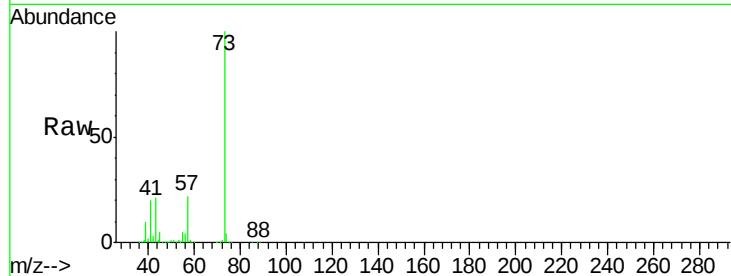
Tgt Ion: 53 Resp: 32973

Ion Ratio Lower Upper

53 100

52 19.1 67.1 100.7#

51 77.7 28.4 42.6#



#16

Acetone

Concen: 2.356 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU025129.D

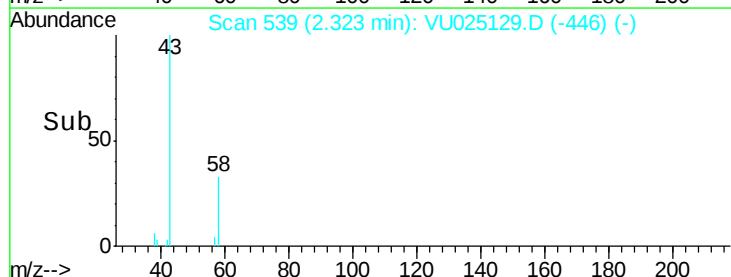
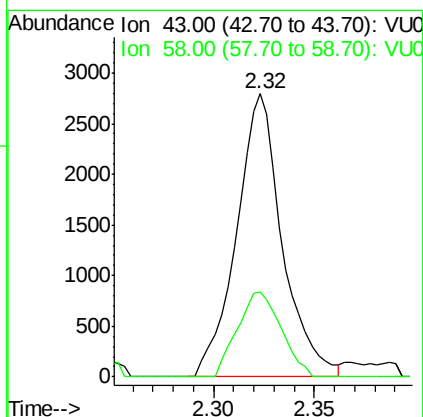
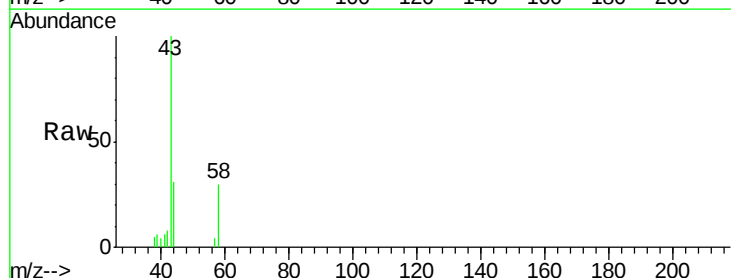
Acq: 01 Jul 2018 08:58

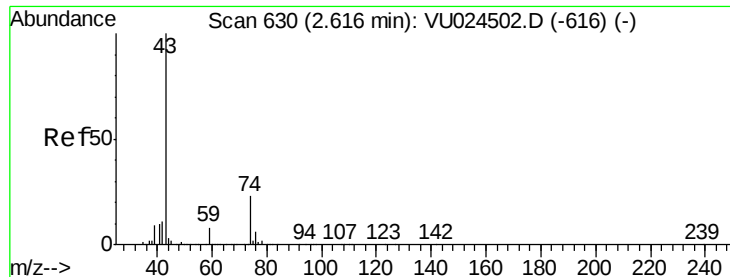
Tgt Ion: 43 Resp: 4423

Ion Ratio Lower Upper

43 100

58 30.1 24.4 36.6

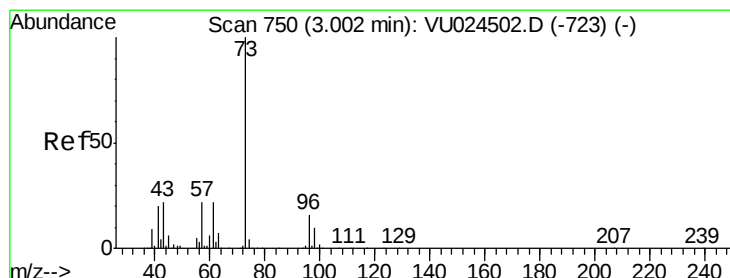
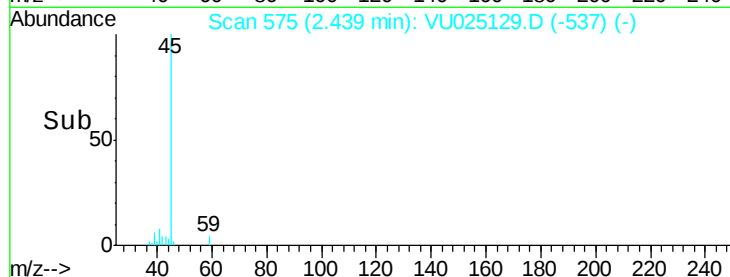
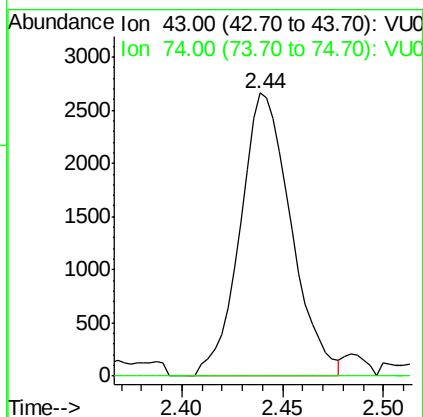
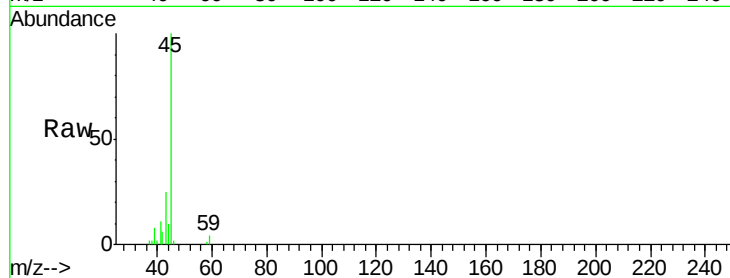




#18
Methyl Acetate
Concen: 1.168 ug/l
RT: 2.44 min Scan# 575
Delta R.T. -0.18 min
Lab File: VU025129.D
Acq: 01 Jul 2018 08:58

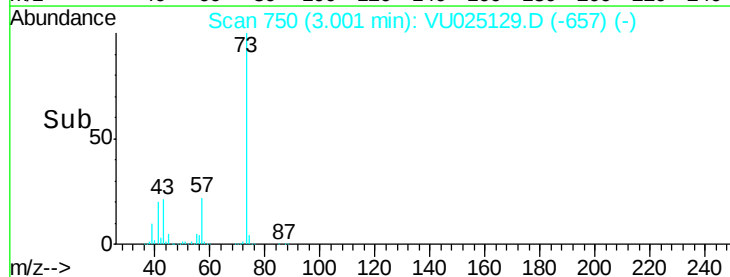
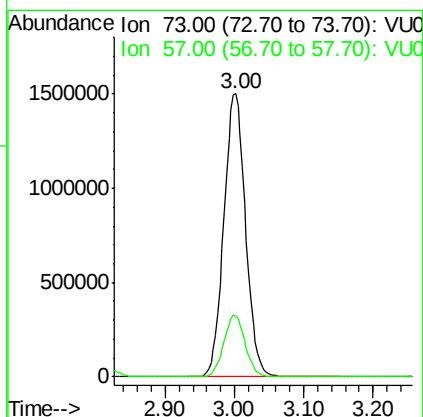
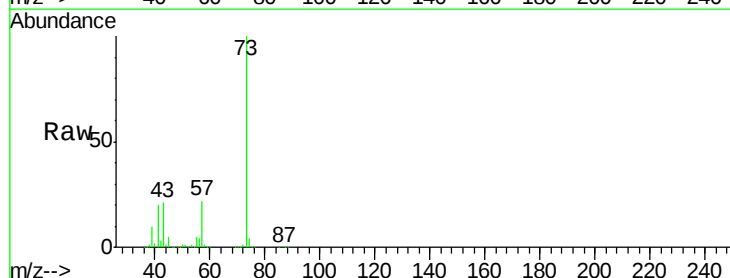
Instrument :
MSVOA_U
ClientSampled :
MW-7

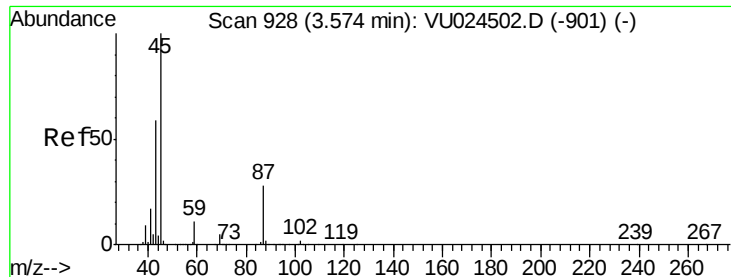
Tgt Ion: 43 Resp: 4698
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#19
Methyl tert-butyl Ether
Concen: 357.224 ug/l
RT: 3.00 min Scan# 750
Delta R.T. -0.00 min
Lab File: VU025129.D
Acq: 01 Jul 2018 08:58

Tgt Ion: 73 Resp: 3271801
Ion Ratio Lower Upper
73 100
57 21.6 18.8 28.2





#22

Diisopropyl ether

Concen: 5.397 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU025129.D

Acq: 01 Jul 2018 08:58

Instrument :

MSVOA_U

ClientSampled :

MW-7

Tgt Ion: 45 Resp: 48403

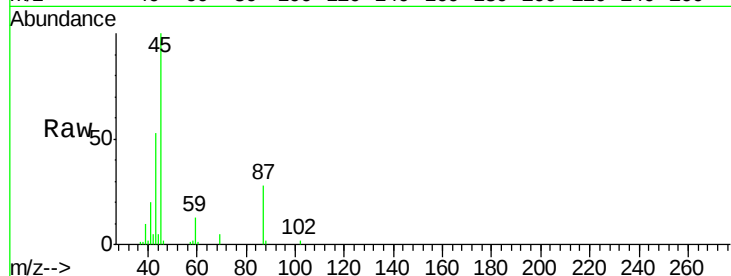
Ion Ratio Lower Upper

45 100

43 52.0 45.8 68.6

87 28.2 20.6 31.0

59 12.9 9.4 14.0

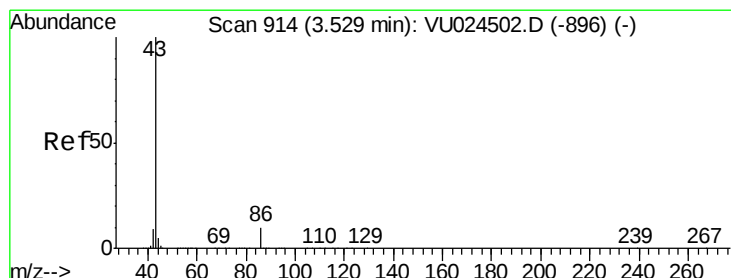
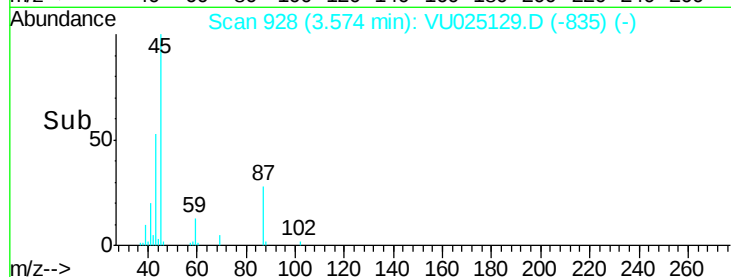
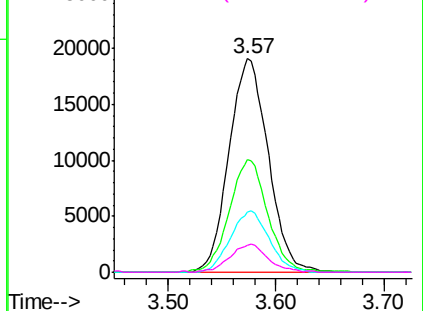


Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0



#23

Vinyl Acetate

Concen: 3.133 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.04 min

Lab File: VU025129.D

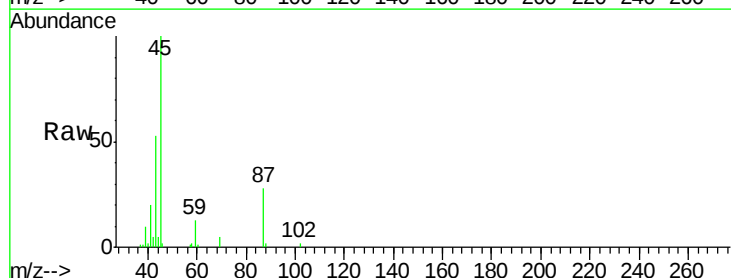
Acq: 01 Jul 2018 08:58

Tgt Ion: 43 Resp: 25172

Ion Ratio Lower Upper

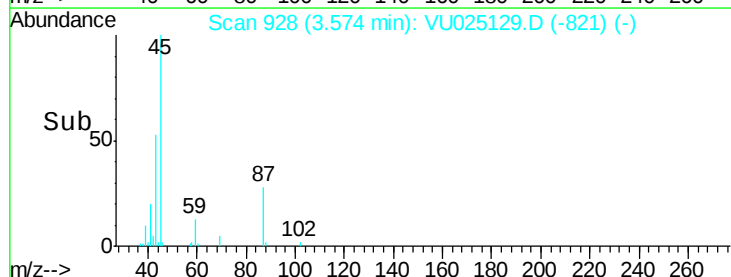
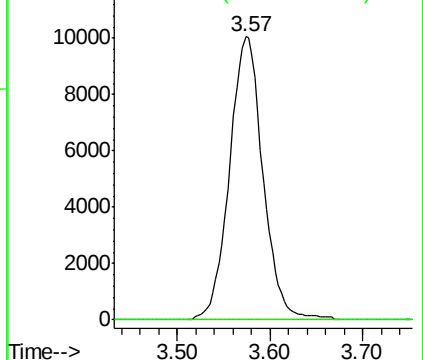
43 100

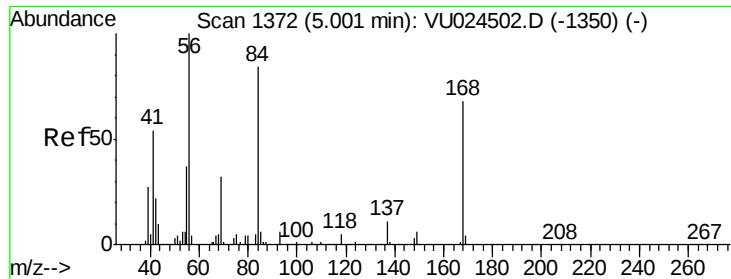
86 0.0 7.8 11.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

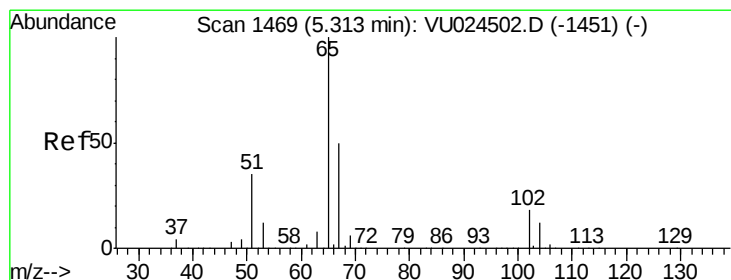
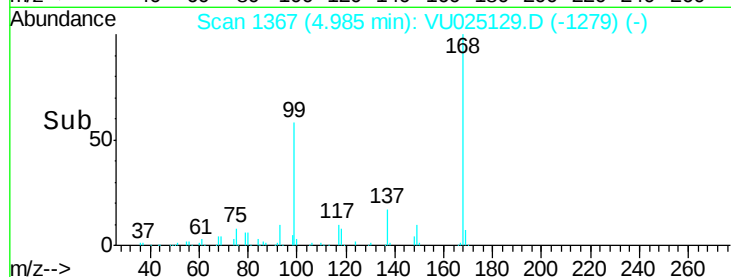
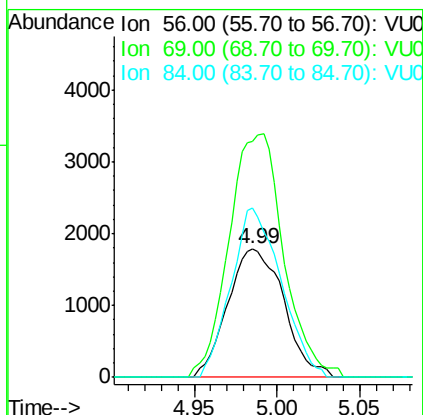
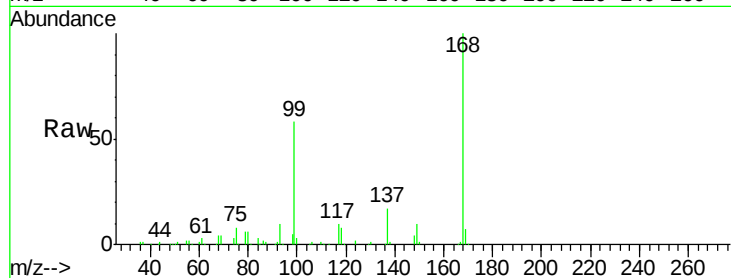




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU025129.D
Acq: 01 Jul 2018 08:58

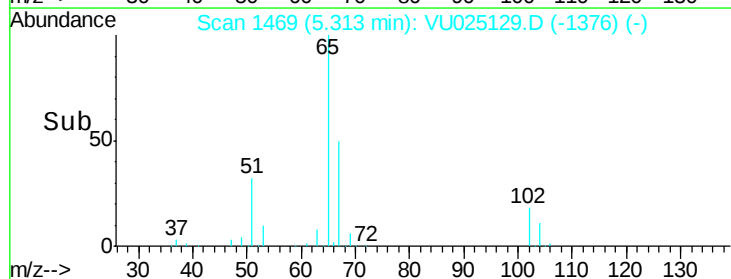
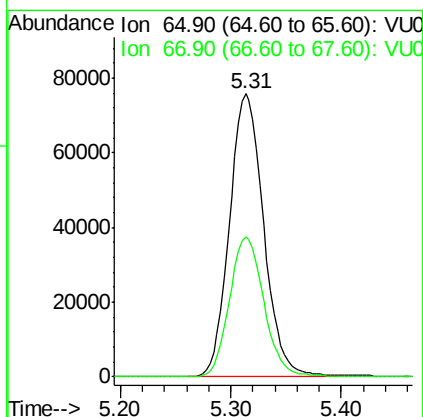
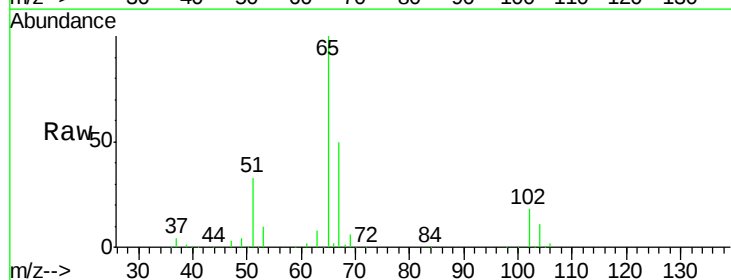
Instrument :
MSVOA_U
ClientSampleId :
MW-7

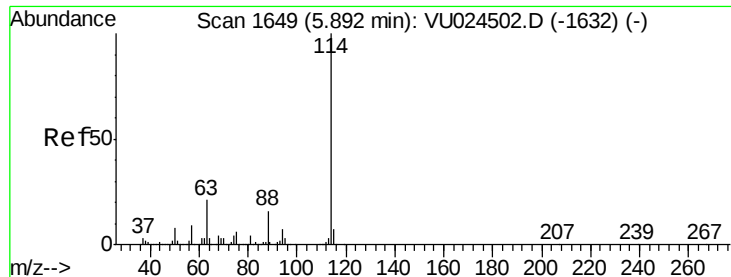
Tgt Ion: 56 Resp: 4212
Ion Ratio Lower Upper
56 100
69 183.1 24.8 37.2#
84 132.0 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 46.635 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU025129.D
Acq: 01 Jul 2018 08:58

Tgt Ion: 65 Resp: 162915
Ion Ratio Lower Upper
65 100
67 50.0 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU025129.D

Acq: 01 Jul 2018 08:58

Instrument :

MSVOA_U

ClientSampleId :

MW-7

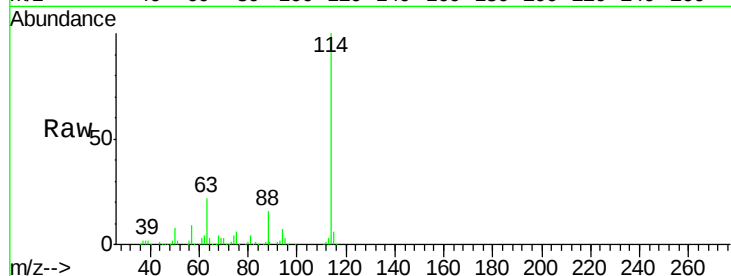
Tgt Ion:114 Resp: 315870

Ion Ratio Lower Upper

114 100

63 21.7 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

200000

150000

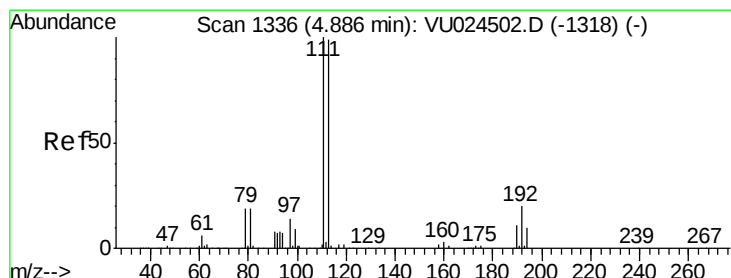
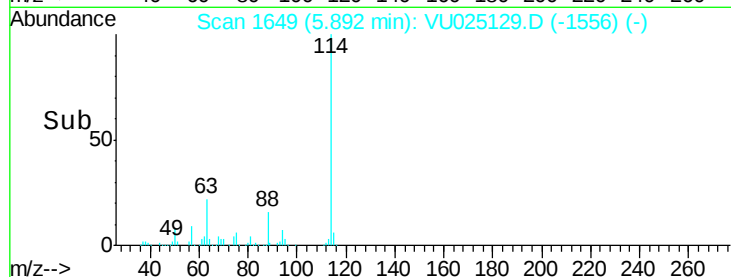
100000

50000

0

5.80 5.85 5.90 5.95 6.00

Time-->



#35

Dibromofluoromethane

Concen: 47.397 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025129.D

Acq: 01 Jul 2018 08:58

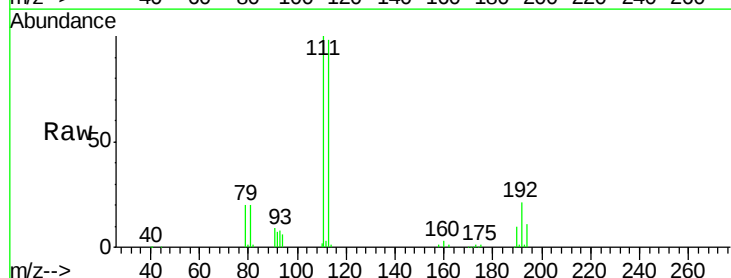
Tgt Ion:113 Resp: 124249

Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

192 20.8 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

60000

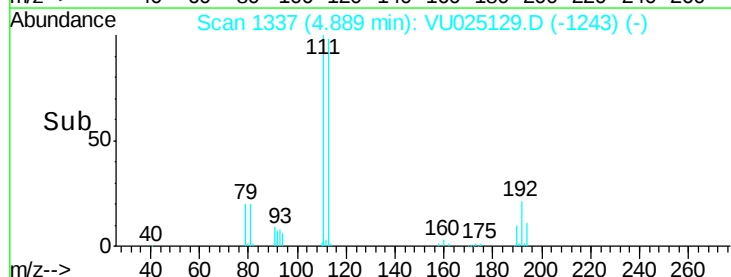
40000

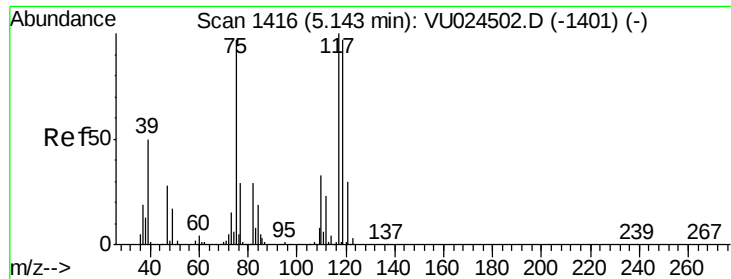
20000

0

4.80 4.85 4.90 4.95 5.00

Time-->





#36

1,1-Dichloropropene

Concen: 4.276 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU025129.D

Acq: 01 Jul 2018 08:58

Instrument :

MSVOA_U

ClientSampleId :

MW-7

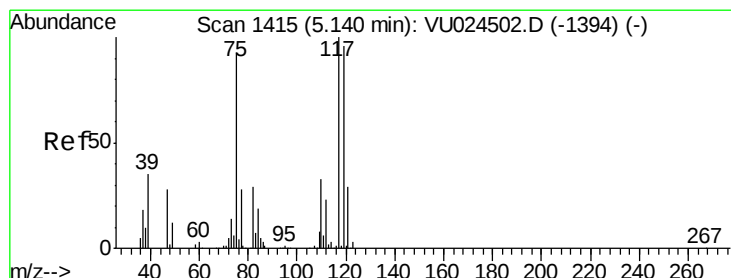
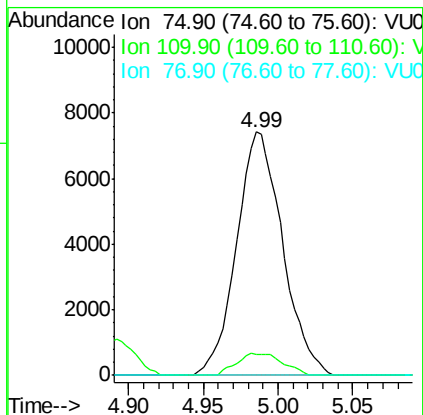
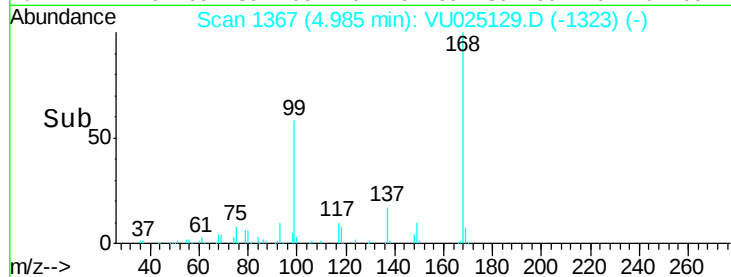
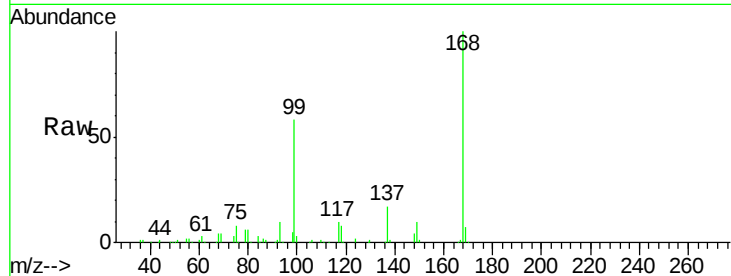
Tgt Ion: 75 Resp: 15871

Ion Ratio Lower Upper

75 100

110 9.1 17.0 50.9#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 5.012 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025129.D

Acq: 01 Jul 2018 08:58

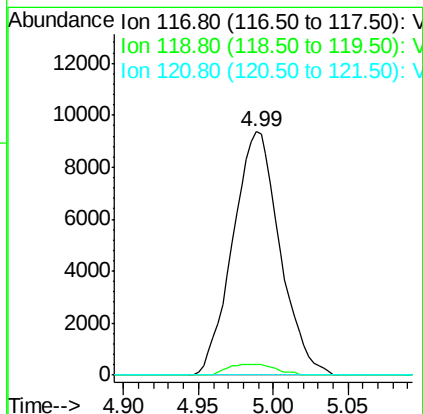
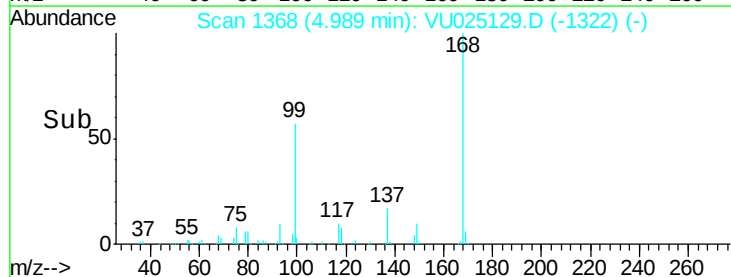
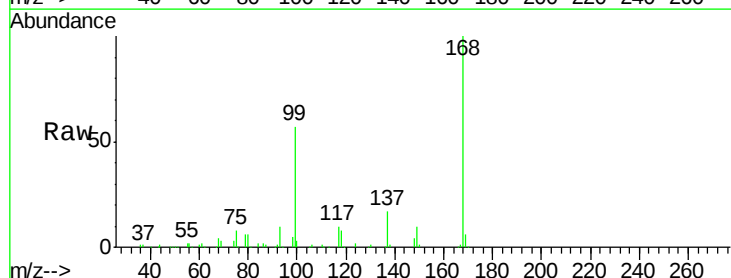
Tgt Ion: 117 Resp: 20456

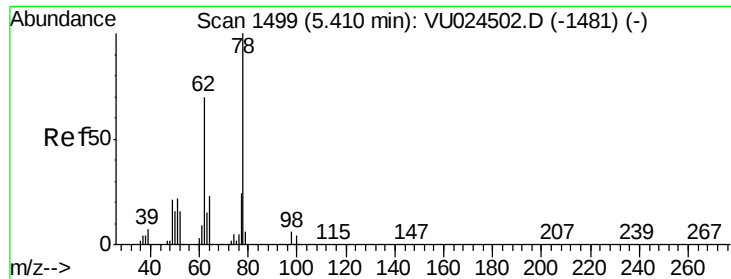
Ion Ratio Lower Upper

117 100

119 4.6 76.1 114.1#

121 0.0 23.7 35.5#





#42

1,2-Dichloroethane

Concen: 0.662 ug/l

RT: 5.42 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VU025129.D

Acq: 01 Jul 2018 08:58

Instrument :

MSVOA_U

ClientSampleId :

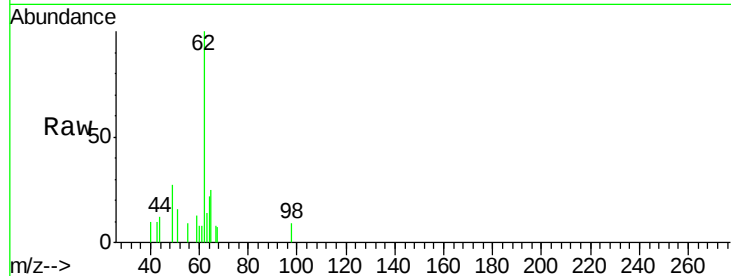
MW-7

Tgt Ion: 62 Resp: 2666

Ion Ratio Lower Upper

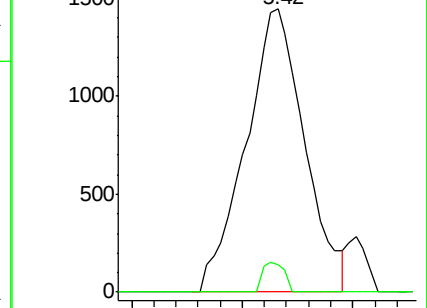
62 100

98 3.9 0.0 16.6

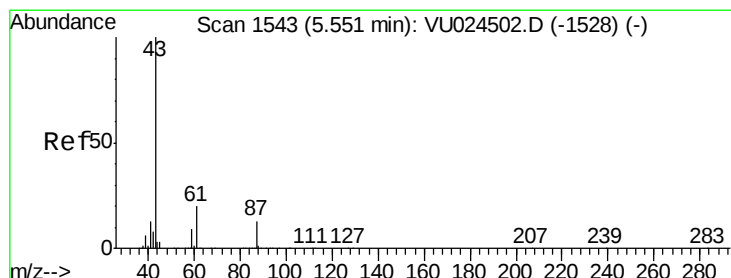
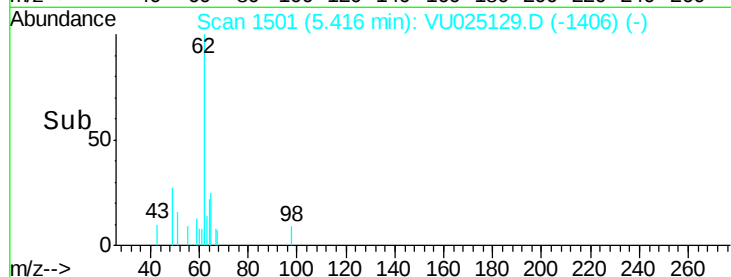


Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



Time--> 5.35 5.40 5.45



#43

Isopropyl Acetate

Concen: 0.266 ug/l

RT: 5.54 min Scan# 1538

Delta R.T. -0.02 min

Lab File: VU025129.D

Acq: 01 Jul 2018 08:58

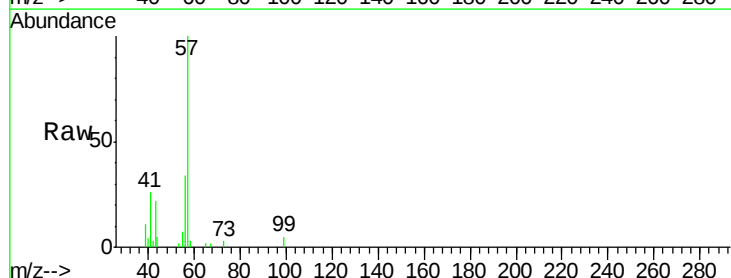
Tgt Ion: 43 Resp: 1857

Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.0#

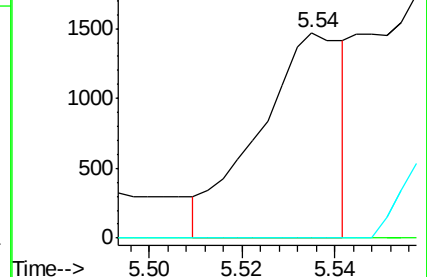
87 0.0 10.0 15.0#



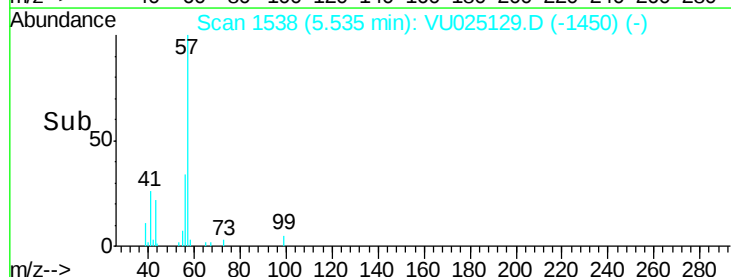
Abundance Ion 43.00 (42.70 to 43.70): VU0

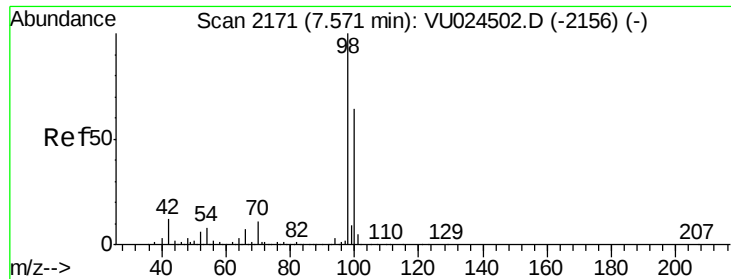
Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



Time--> 5.50 5.52 5.54





#50

Toluene-d8

Concen: 47.746 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025129.D

Acq: 01 Jul 2018 08:58

Instrument :

MSVOA_U

ClientSampleId :

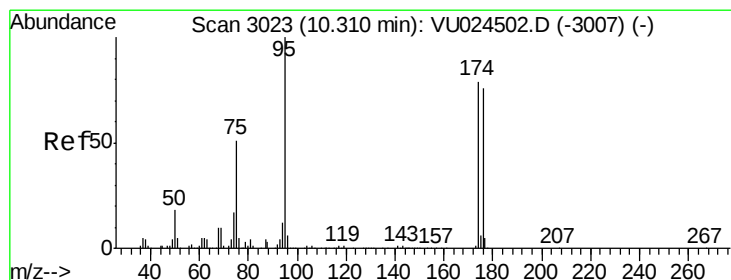
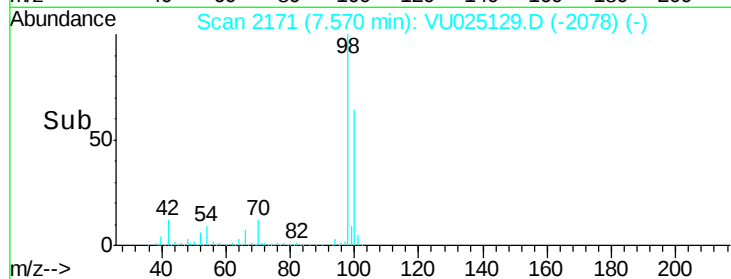
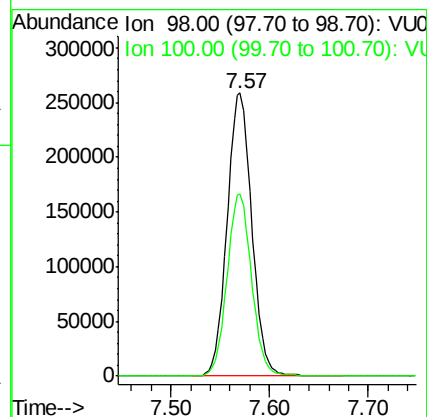
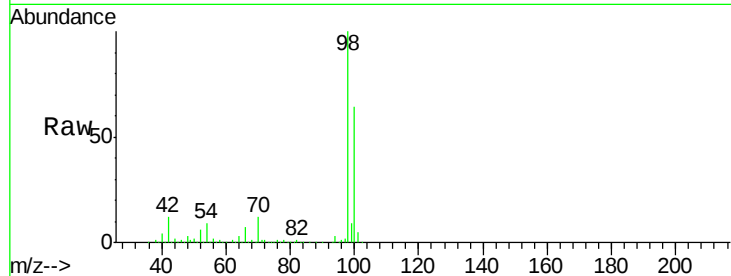
MW-7

Tgt Ion: 98 Resp: 456547

Ion Ratio Lower Upper

98 100

100 64.0 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 44.380 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025129.D

Acq: 01 Jul 2018 08:58

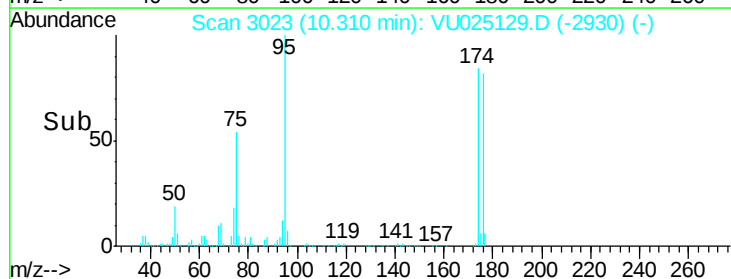
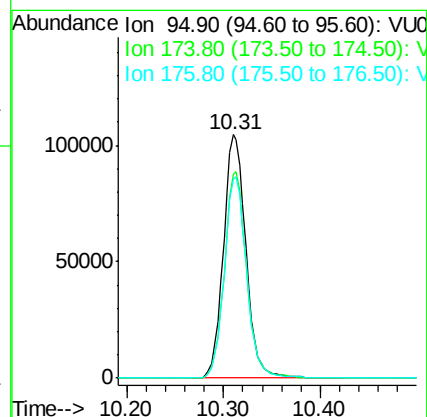
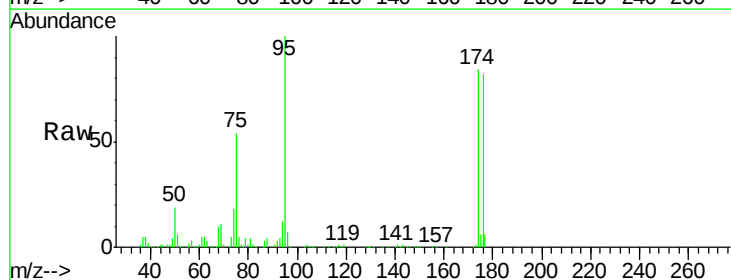
Tgt Ion: 95 Resp: 168490

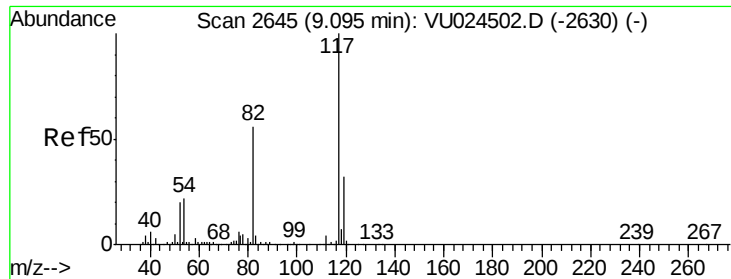
Ion Ratio Lower Upper

95 100

174 83.2 0.0 165.8

176 82.3 0.0 159.4

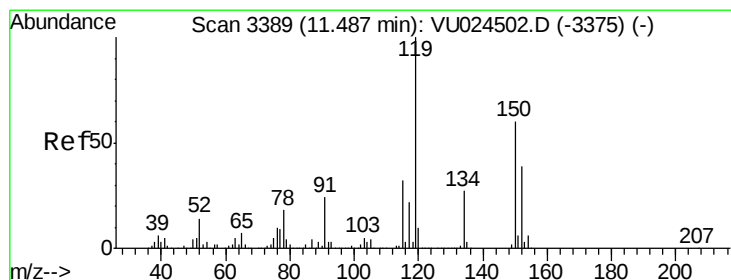
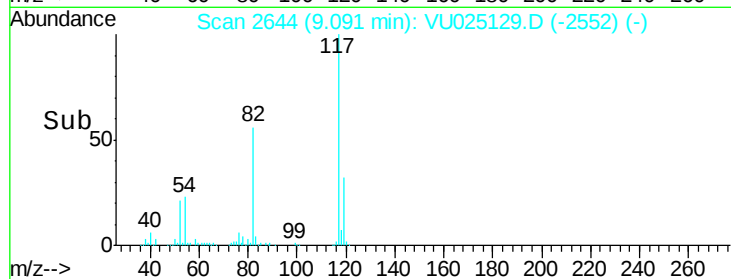
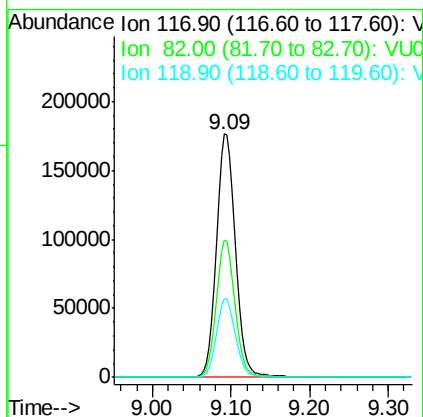
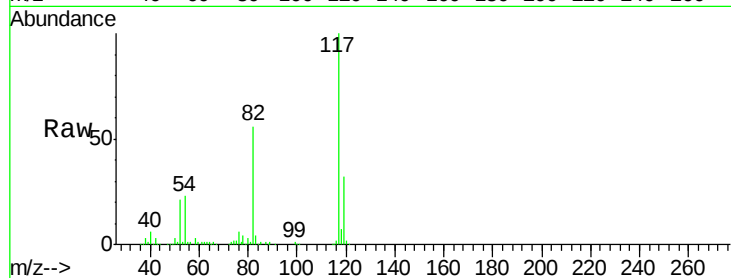




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025129.D
Acq: 01 Jul 2018 08:58

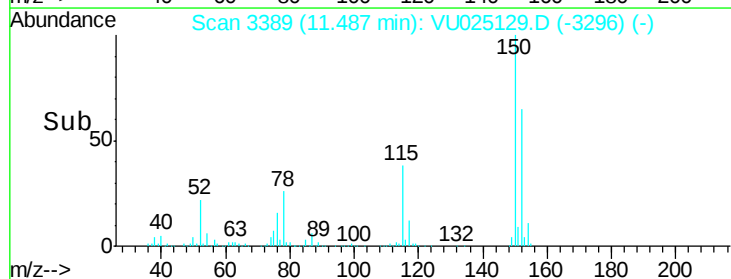
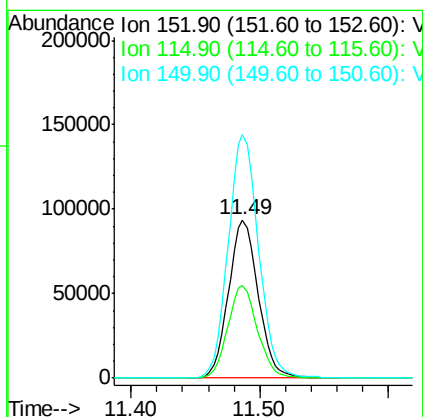
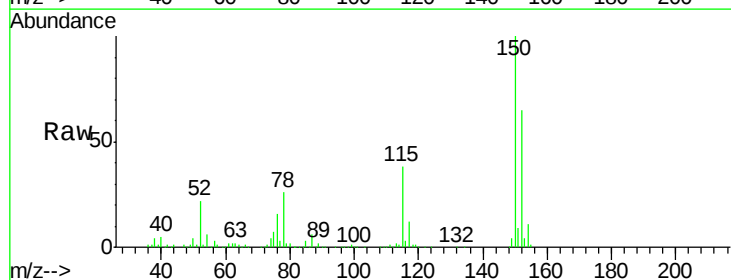
Instrument :
MSVOA_U
ClientSampleId :
MW-7

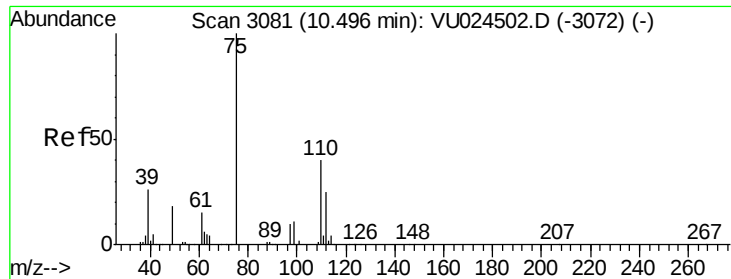
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.3	66.5
119	32.1	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU025129.D
Acq: 01 Jul 2018 08:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	43.0	129.0
150	157.2	0.0	354.0

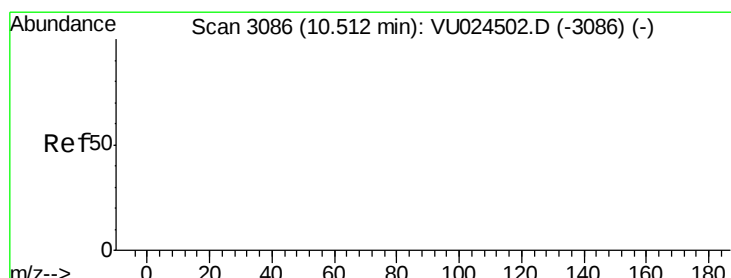
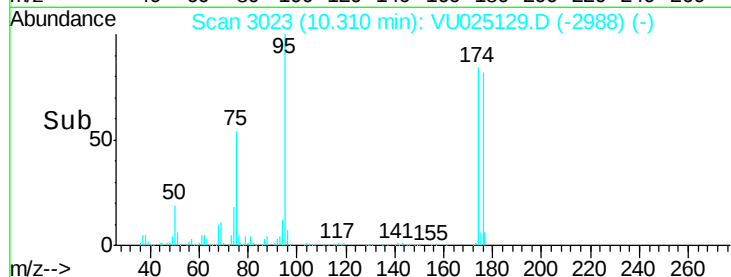
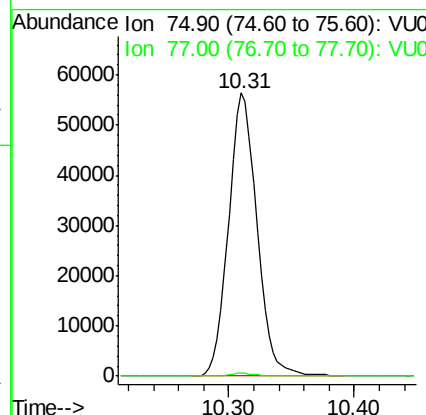
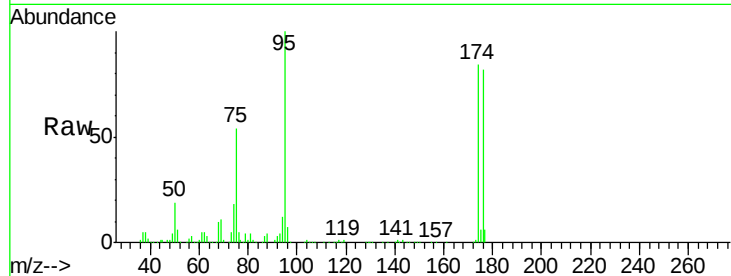




#76
 1,2,3-Trichloropropane
 Concen: 26.916 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025129.D
 Acq: 01 Jul 2018 08:58

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-7

Tgt Ion: 75 Resp: 88746
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.294 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU025129.D
 Acq: 01 Jul 2018 08:58

Tgt Ion: 75 Resp: 88746
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

