

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062118\
 Data File : VU024820.D
 Acq On : 21 Jun 2018 18:55
 Operator : MD/SY
 Sample : J3552-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MWHR2-8-061418

Quant Time: Jun 22 03:53:09 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	189735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	288350	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	268408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	144191	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	135833	43.85	ug/l	0.00
Spiked Amount			Recovery	=	87.70%	
35) Dibromofluoromethane	4.89	113	112470	47.00	ug/l	0.00
Spiked Amount			Recovery	=	94.00%	
50) Toluene-d8	7.57	98	418685	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
62) 4-Bromofluorobenzene	10.31	95	156100	45.04	ug/l	0.00
Spiked Amount			Recovery	=	90.08%	

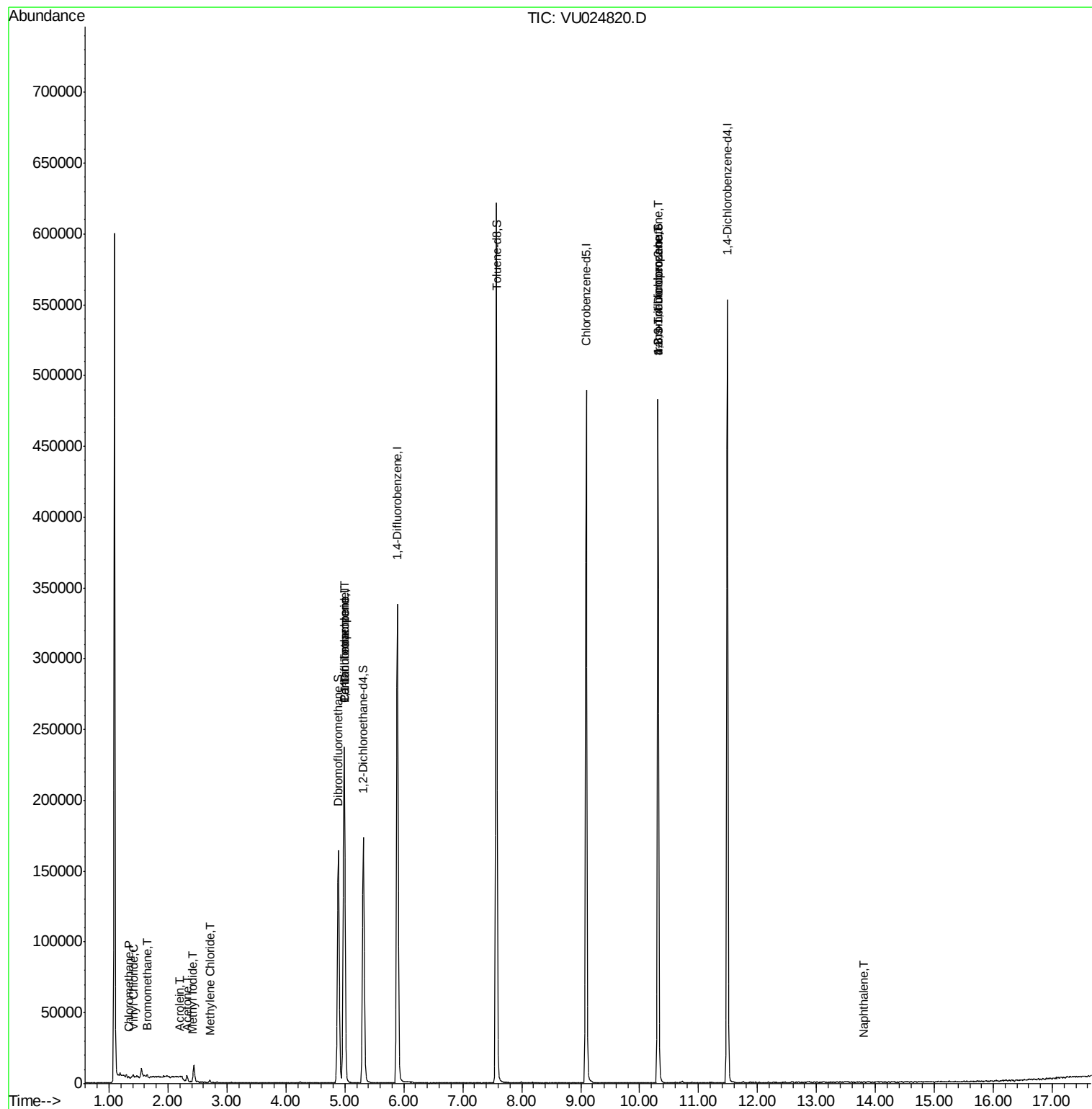
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	775	0.319	ug/l	97
4) Vinyl Chloride	1.40	62	828	0.331	ug/l #	84
5) Bromomethane	1.64	94	485	0.401	ug/l	83
6) Chloroethane	1.71	64	231	Below Cal	#	43
10) Methyl Iodide	2.41	142	19	5.297	ug/l #	40
13) Acrolein	2.20	56	368	0.930	ug/l #	52
16) Acetone	2.32	43	4143	2.489	ug/l	97
20) Methylene Chloride	2.71	84	828	0.317	ug/l #	83
31) Cyclohexane	4.99	56	4019	Below Cal	#	15
36) 1,1-Dichloropropene	4.99	75	13119	3.872	ug/l #	51
38) Carbon Tetrachloride	4.99	117	17336	4.653	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	79870	25.159	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	79870	58.229	ug/l #	100
95) Naphthalene	13.79	128	74	0.686	ug/l #	69

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU062118\
Data File : VU024820.D
Acq On : 21 Jun 2018 18:55
Operator : MD/SY
Sample : J3552-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MWHR2-8-061418

Quant Time: Jun 22 03:53:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024820.D

Acq: 21 Jun 2018 18:55

Instrument :

MSVOA_U

ClientSampleId :

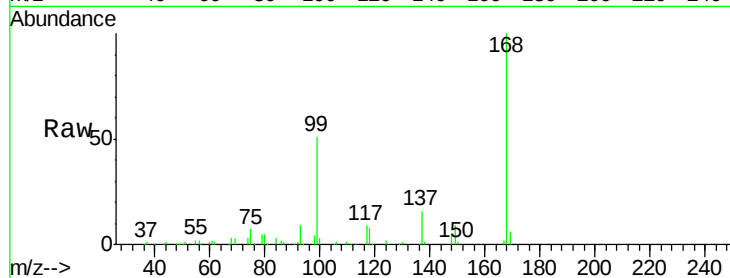
MWHR2-8-061418

Tot Ion:168 Resp: 189735

Ion Ratio Lower Upper

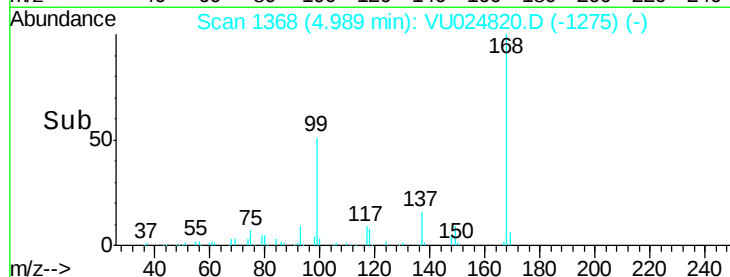
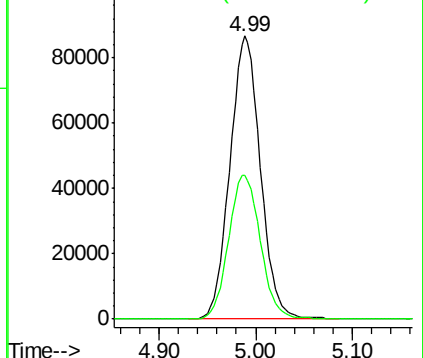
168 100

99 50.8 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024820.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU024820.D (-1275) (-)



#3

Chloromethane

Concen: 0.319 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024820.D

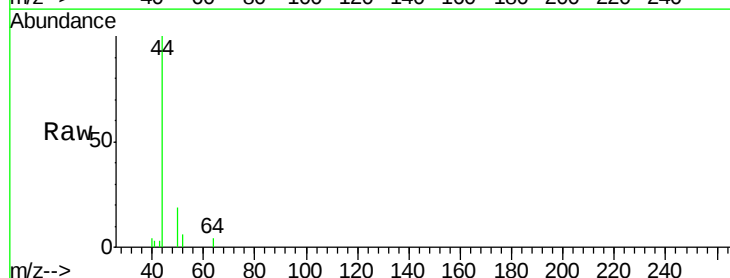
Acq: 21 Jun 2018 18:55

Tgt Ion: 50 Resp: 775

Ion Ratio Lower Upper

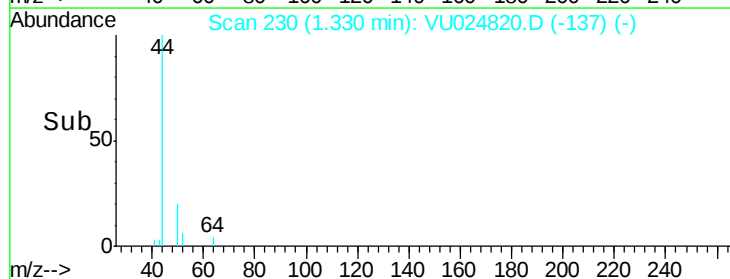
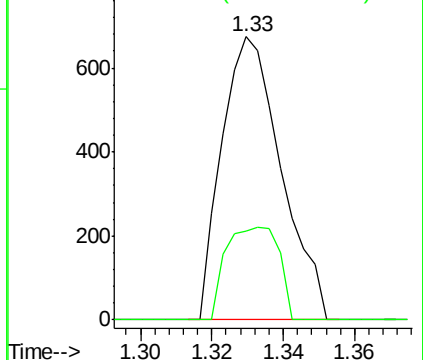
50 100

52 31.3 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024820.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU024820.D (-137) (-)





#4

Vinyl Chloride

Concen: 0.331 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024820.D

Acq: 21 Jun 2018 18:55

Instrument :

MSVOA_U

ClientSampleId :

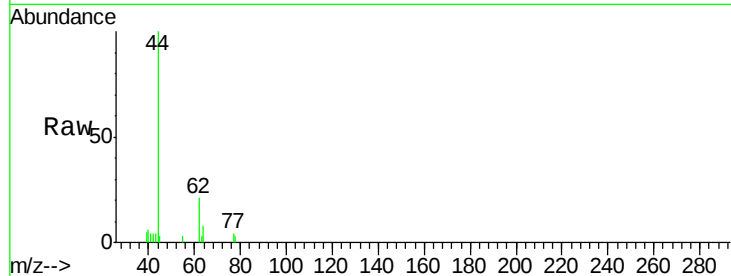
MWHR2-8-061418

Tot Ion: 62 Resp: 828

Ion Ratio Lower Upper

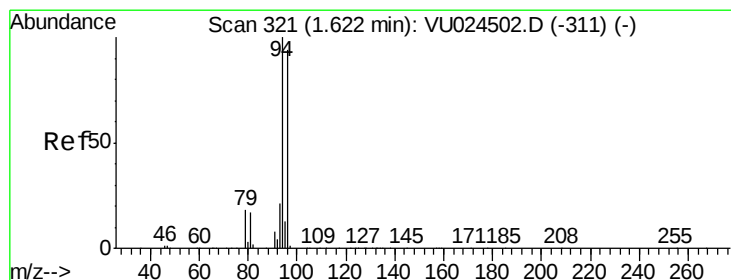
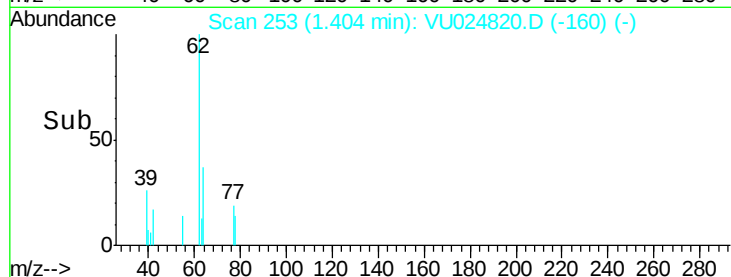
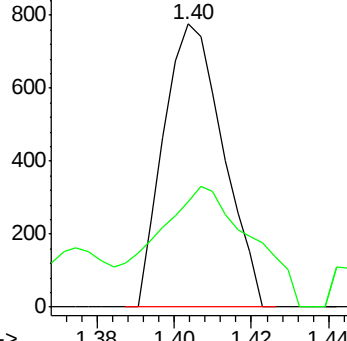
62 100

64 22.0 24.8 37.2#



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



#5

Bromomethane

Concen: 0.401 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU024820.D

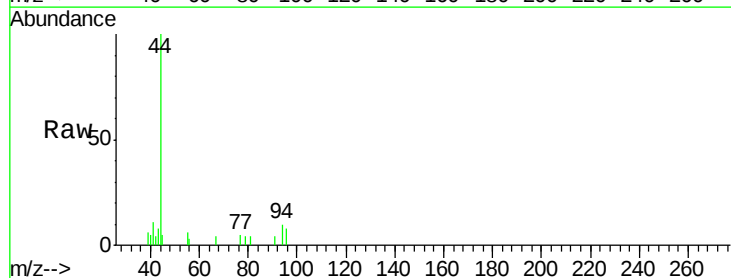
Acq: 21 Jun 2018 18:55

Tgt Ion: 94 Resp: 485

Ion Ratio Lower Upper

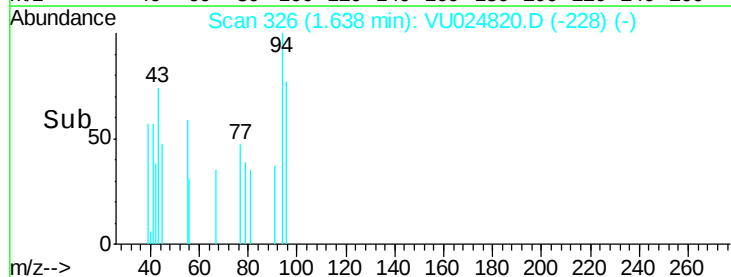
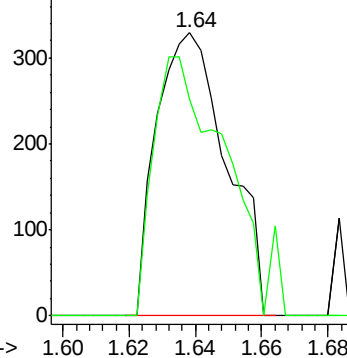
94 100

96 76.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 347

Delta R.T. 0.01 min

Lab File: VU024820.D

Acq: 21 Jun 2018 18:55

Instrument :

MSVOA_U

ClientSampleId :

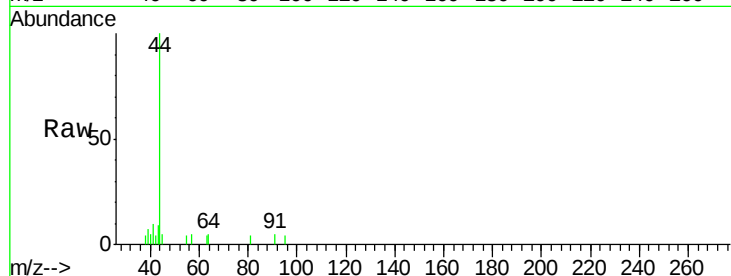
MWHR2-8-061418

Tot Ion: 64 Resp: 231

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

150

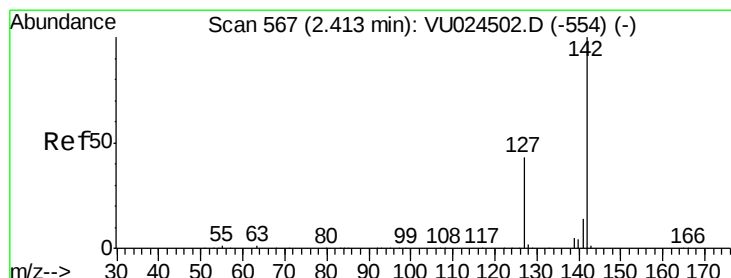
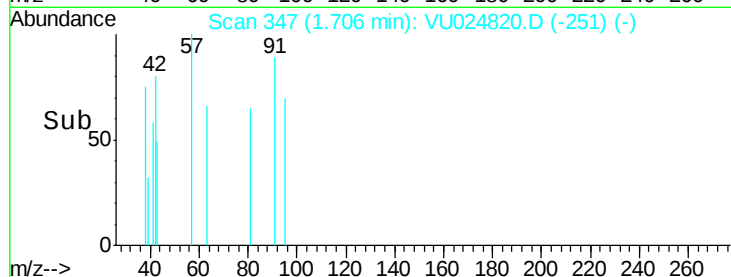
100

50

0

1.68 1.70 1.72

Time-->



#10

Methyl Iodide

Concen: 5.297 ug/l

RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU024820.D

Acq: 21 Jun 2018 18:55

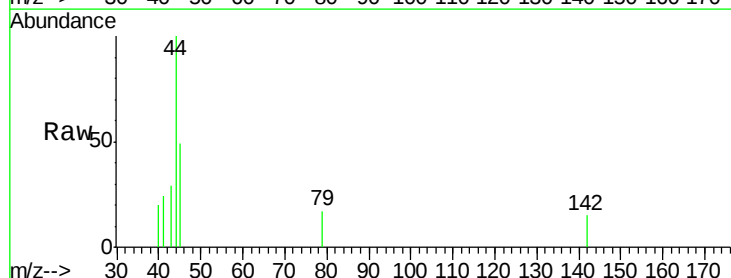
Tgt Ion: 142 Resp: 19

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

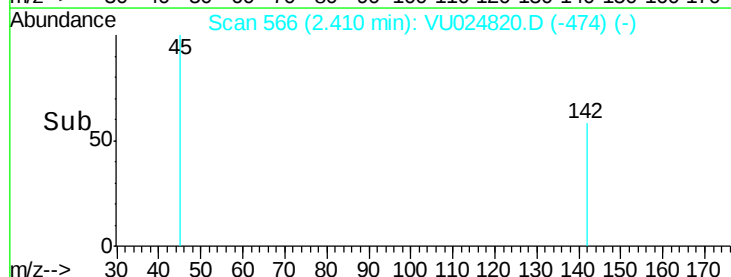
100

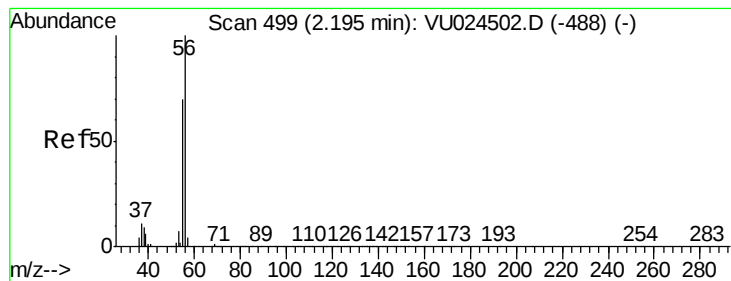
50

0

2.40 2.41 2.42

Time-->





#13

Acrolein

Concen: 0.930 ug/l

RT: 2.20 min Scan# 501

Delta R.T. 0.01 min

Lab File: VU024820.D

Acq: 21 Jun 2018 18:55

Instrument :

MSVOA_U

ClientSampleId :

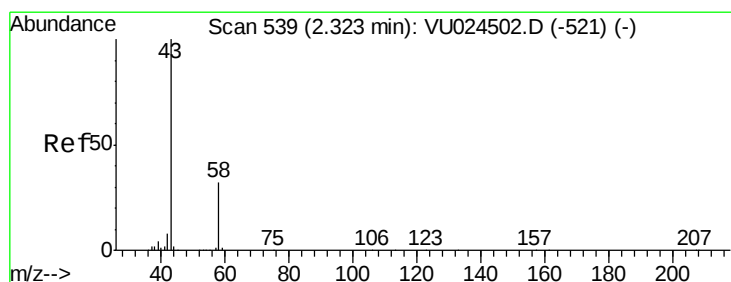
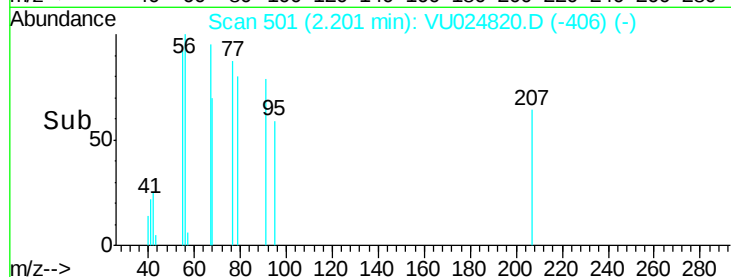
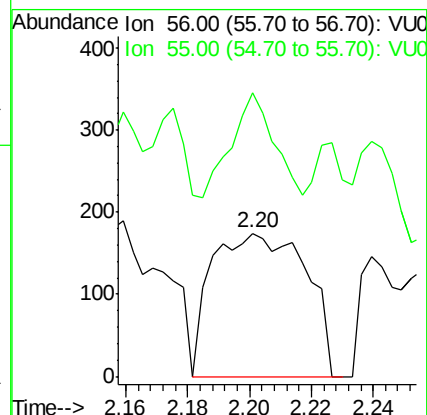
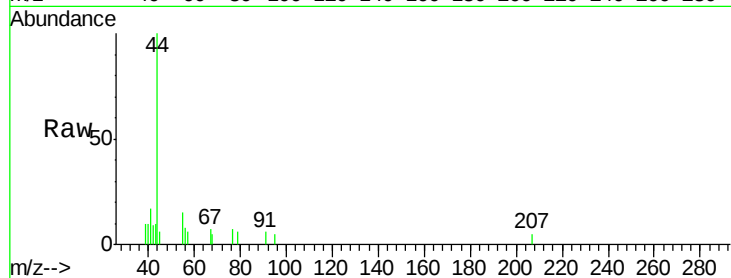
MWHR2-8-061418

Tot Ion: 56 Resp: 368

Ion Ratio Lower Upper

56 100

55 32.3 58.4 87.6#



#16

Acetone

Concen: 2.489 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024820.D

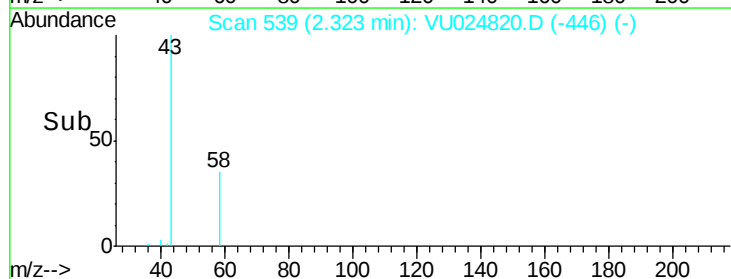
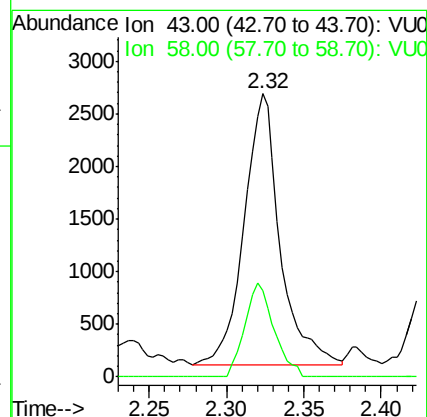
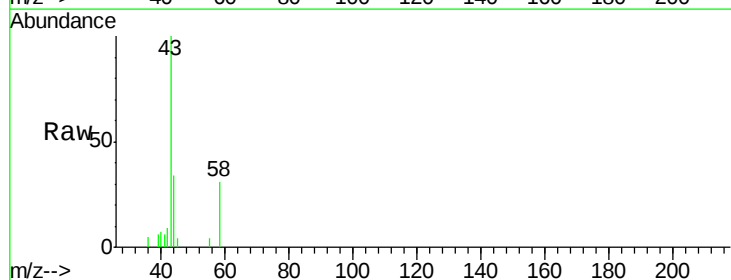
Acq: 21 Jun 2018 18:55

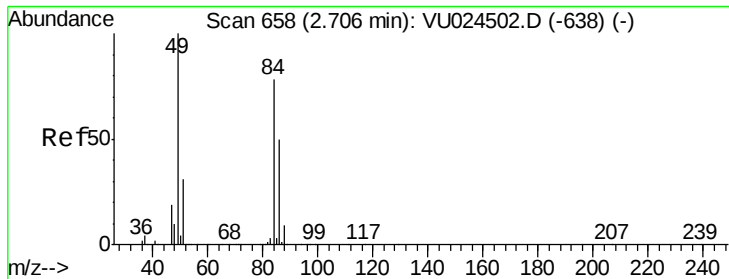
Tgt Ion: 43 Resp: 4143

Ion Ratio Lower Upper

43 100

58 31.9 24.4 36.6

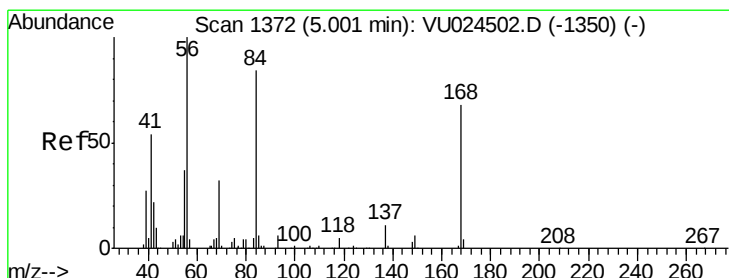
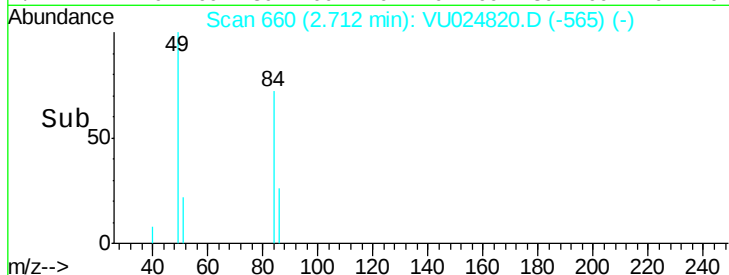
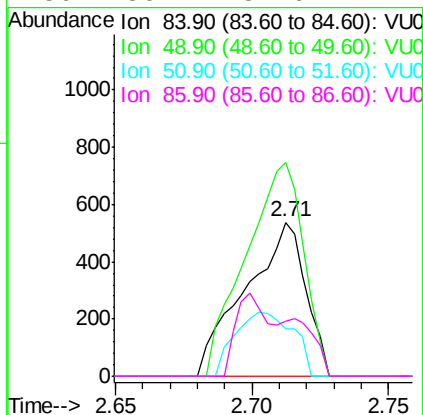
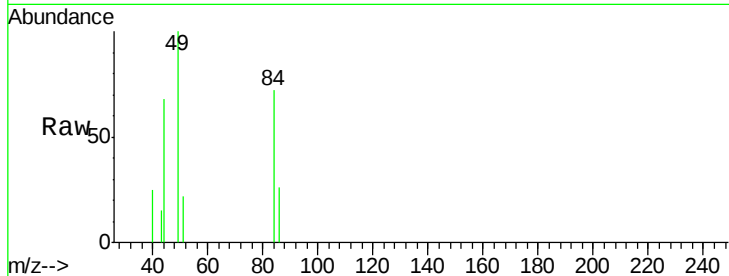




#20
Methvlene Chloride
Concen: 0.317 ug/l
RT: 2.71 min Scan# 660
Delta R.T. 0.01 min
Lab File: VU024820.D
Acq: 21 Jun 2018 18:55

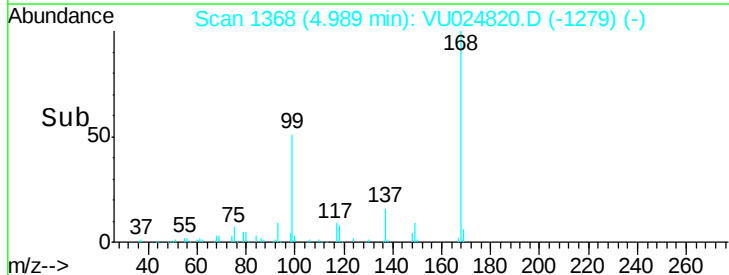
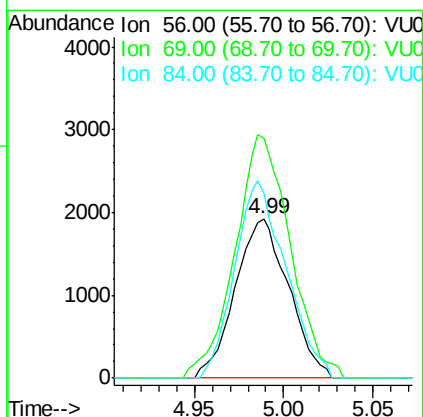
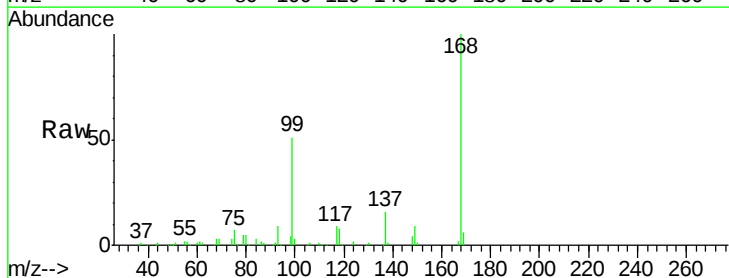
Instrument :
MSVOA_U
ClientSampleId :
MWHR2-8-061418

Tot Ion: 84 Resp: 828
Ion Ratio Lower Upper
84 100
49 138.9 103.8 155.8
51 31.1 32.0 48.0#
86 36.1 51.6 77.4#



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU024820.D
Acq: 21 Jun 2018 18:55

Tgt Ion: 56 Resp: 4019
Ion Ratio Lower Upper
56 100
69 144.9 24.8 37.2#
84 115.9 65.2 97.8#

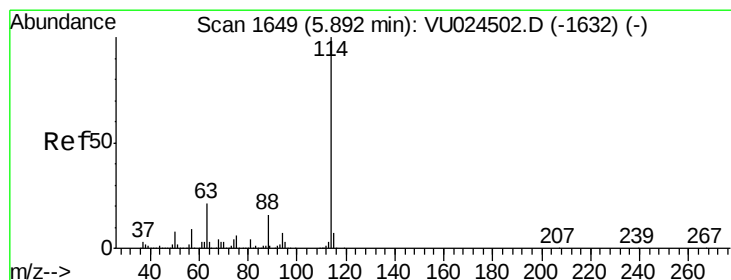
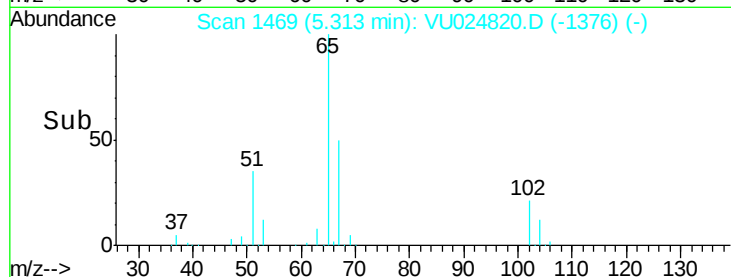
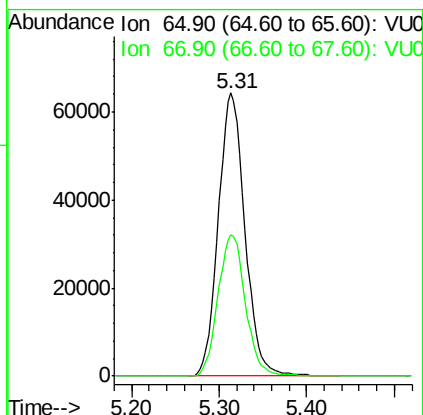
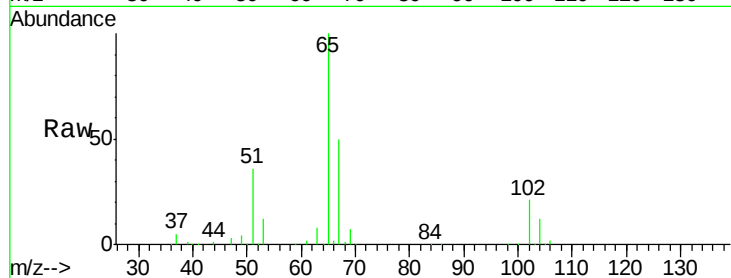




#33
 1,2-Dichloroethane-d4
 Concen: 43.853 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024820.D
 Acq: 21 Jun 2018 18:55

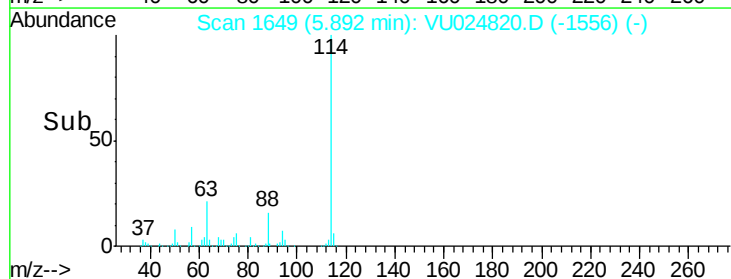
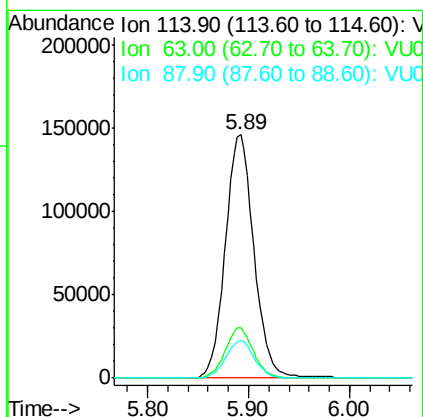
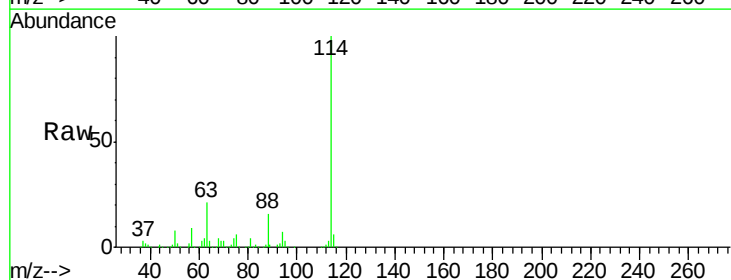
Instrument :
 MSVOA_U
 ClientSampleId :
 MWHR2-8-061418

Tot Ion: 65 Resp: 135833
 Ion Ratio Lower Upper
 65 100
 67 51.3 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: VU024820.D
 Acq: 21 Jun 2018 18:55

Tgt Ion: 114 Resp: 288350
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 45.4
 88 15.6 0.0 31.0

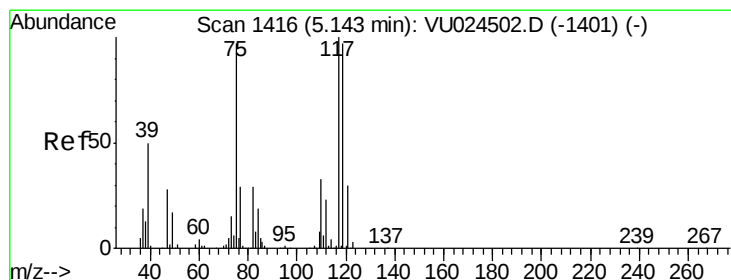
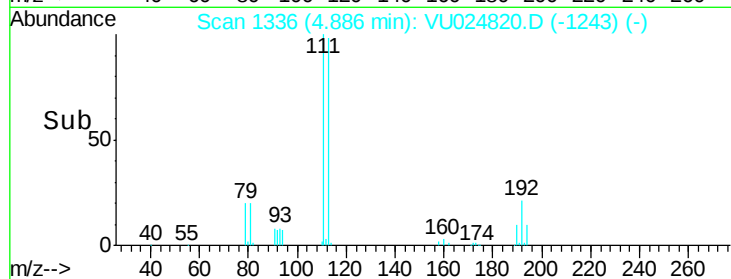
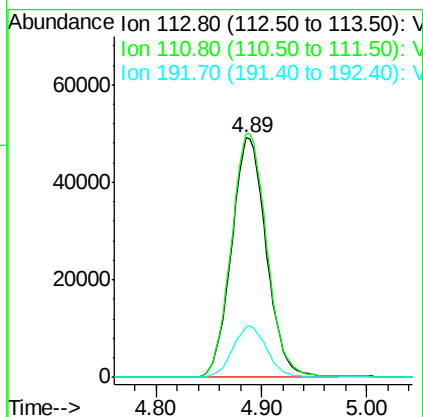
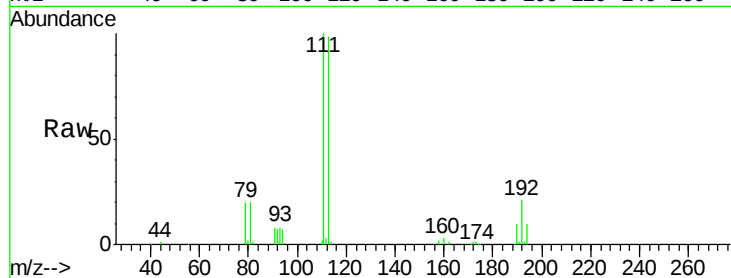




#35
 Dibromofluoromethane
 Concen: 46.998 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU024820.D
 Acq: 21 Jun 2018 18:55

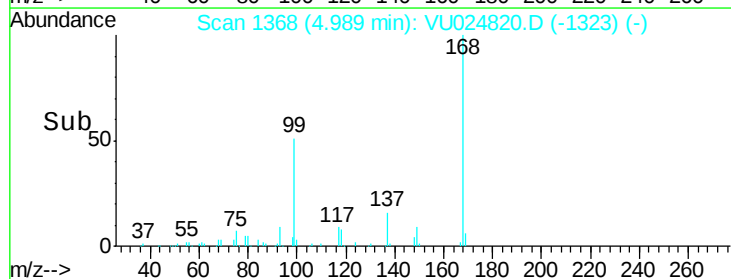
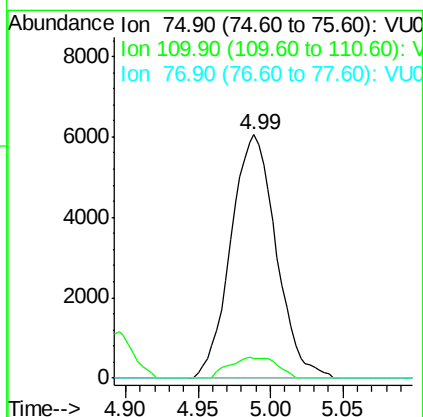
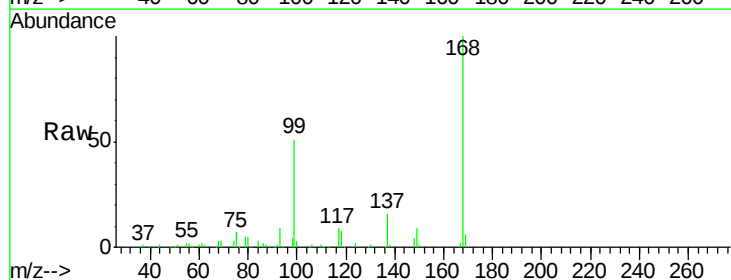
Instrument :
 MSVOA_U
 ClientSampleId :
 MWHR2-8-061418

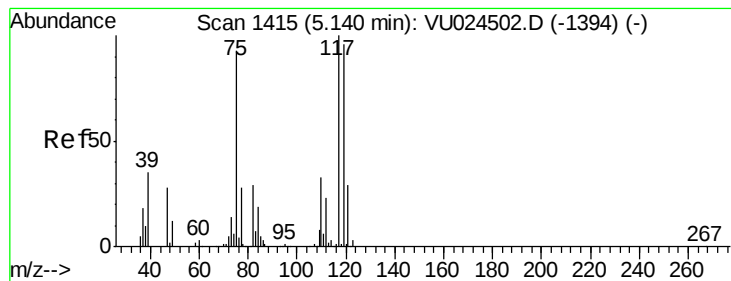
Tot Ion:113 Resp: 112470
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.2 123.4
 192 21.0 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 3.872 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024820.D
 Acq: 21 Jun 2018 18:55

Tgt Ion: 75 Resp: 13119
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.0 50.9#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 4.653 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024820.D

Acq: 21 Jun 2018 18:55

Instrument :

MSVOA_U

ClientSampleId :

MWHR2-8-061418

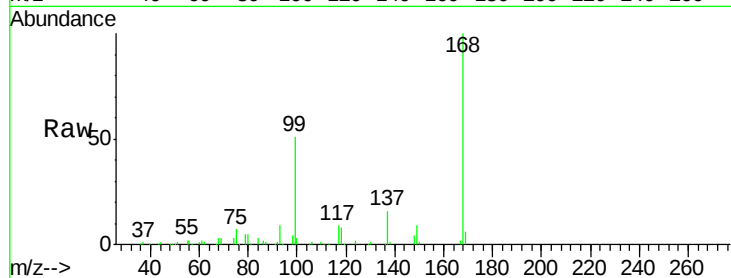
Tot Ion:117 Resp: 17336

Ion Ratio Lower Upper

117 100

119 4.7 76.1 114.1#

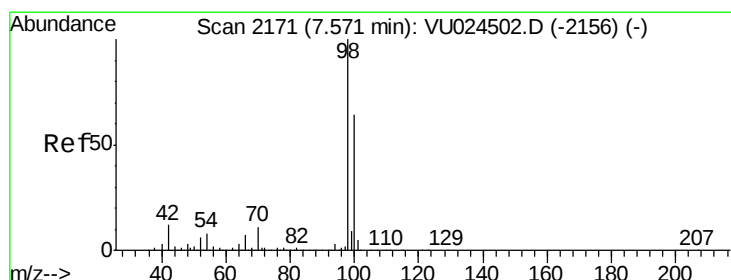
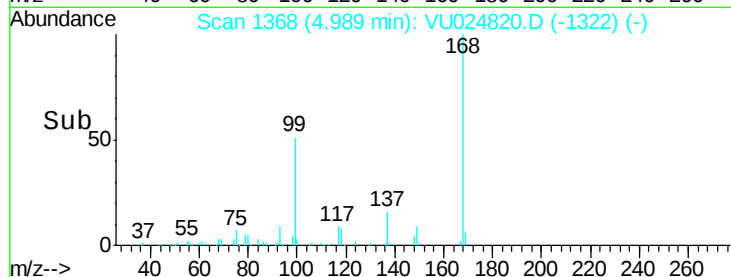
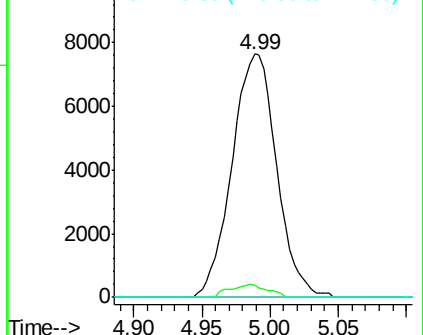
121 0.0 23.7 35.5#



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: 47.965 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU024820.D

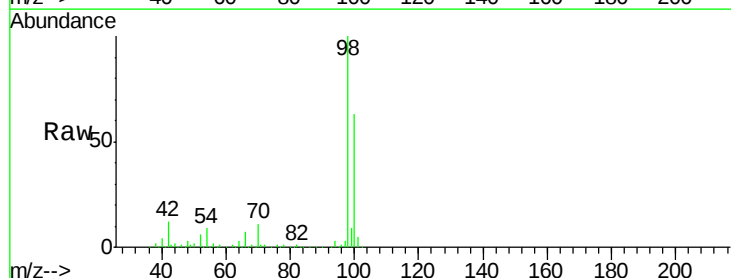
Acq: 21 Jun 2018 18:55

Tgt Ion: 98 Resp: 418685

Ion Ratio Lower Upper

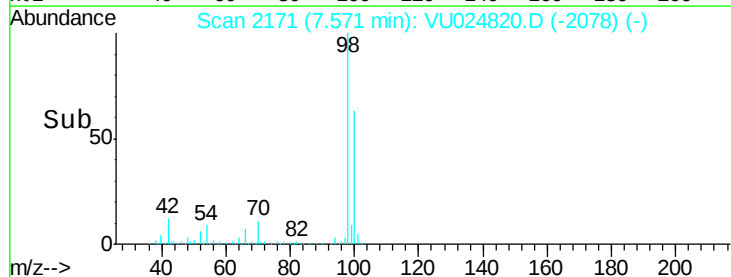
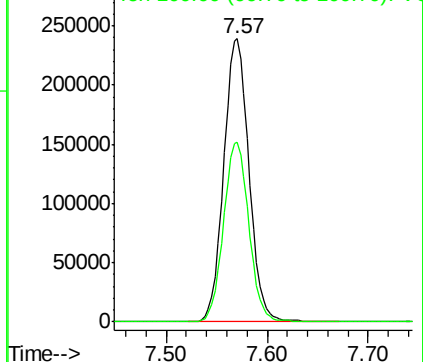
98 100

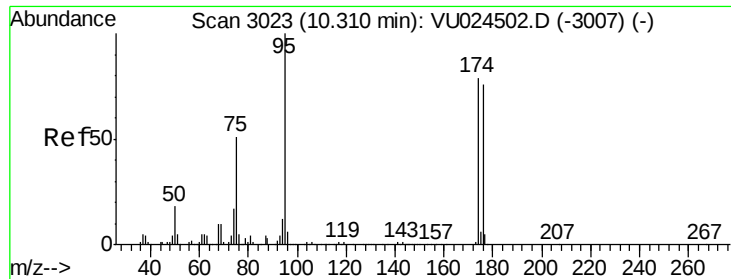
100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

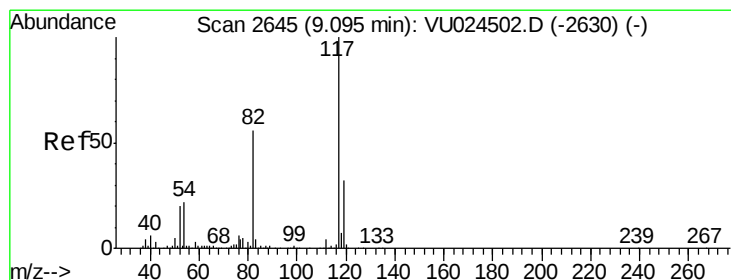
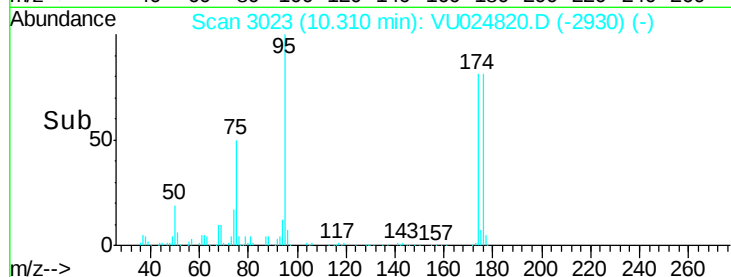
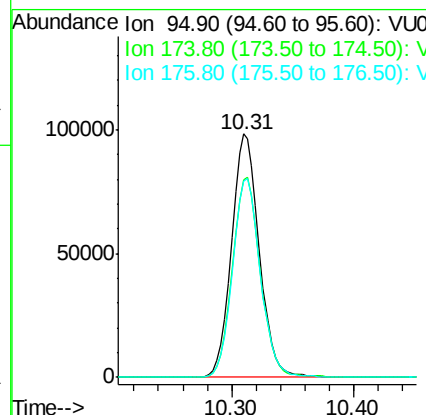
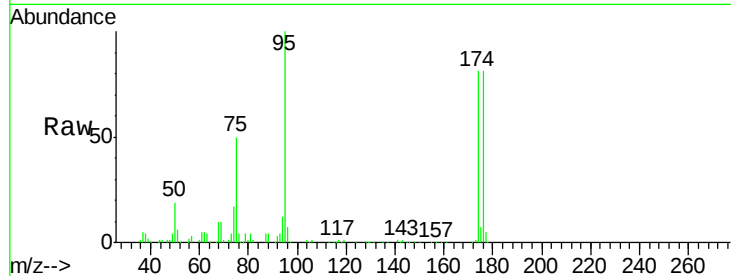




#62
4-Bromofluorobenzene
Concen: 45.041 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU024820.D
Acq: 21 Jun 2018 18:55

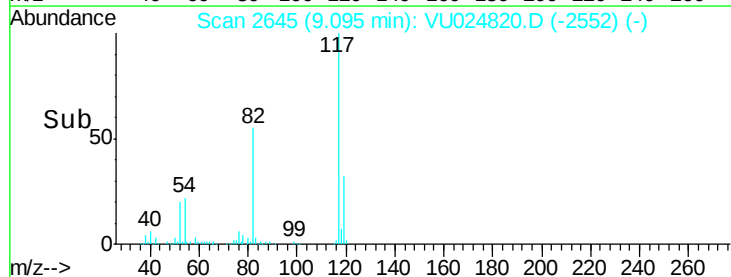
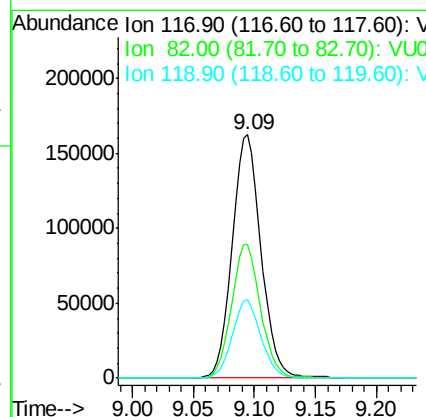
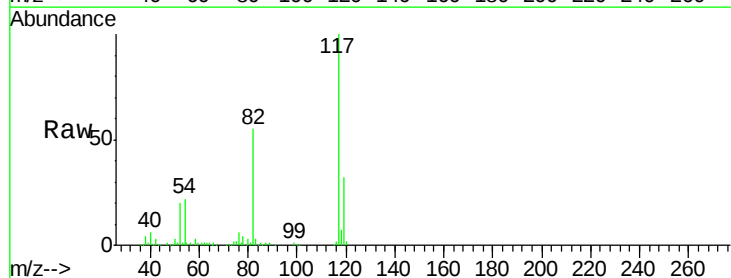
Instrument :
MSVOA_U
ClientSampleId :
MWHR2-8-061418

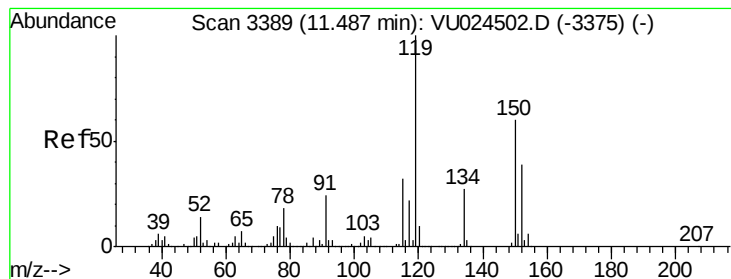
Tot Ion	95	Resp	156100
Ion Ratio	Lower	Upper	
95	100		
174	83.1	0.0	165.8
176	82.4	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024820.D
Acq: 21 Jun 2018 18:55

Tgt Ion	117	Resp	268408
Ion Ratio	Lower	Upper	
117	100		
82	54.8	44.3	66.5
119	32.0	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: VU024820.D

Acq: 21 Jun 2018 18:55

Instrument :

MSVOA_U

ClientSampleId :

MWHR2-8-061418

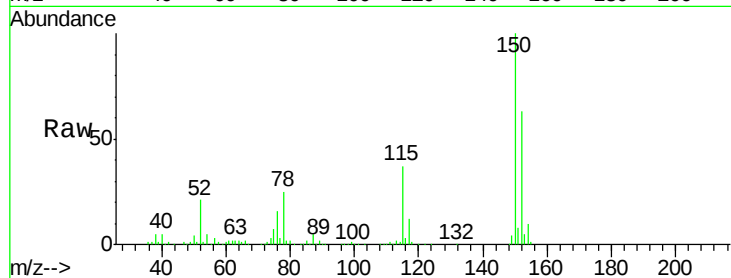
Tot Ion:152 Resp: 144191

Ion Ratio Lower Upper

152 100

115 57.4 43.0 129.0

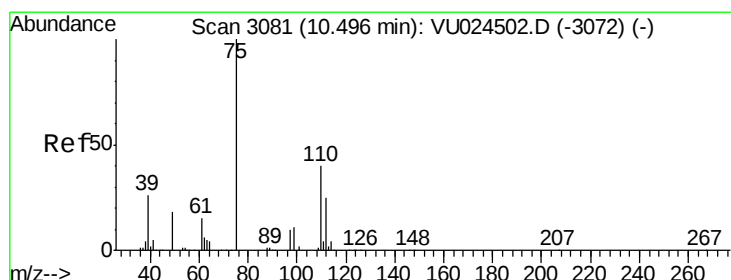
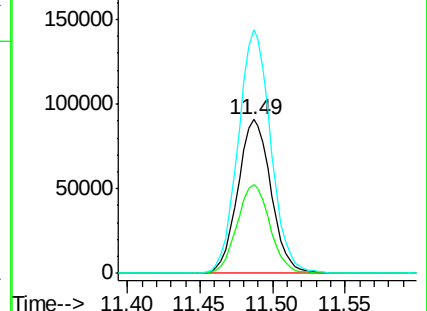
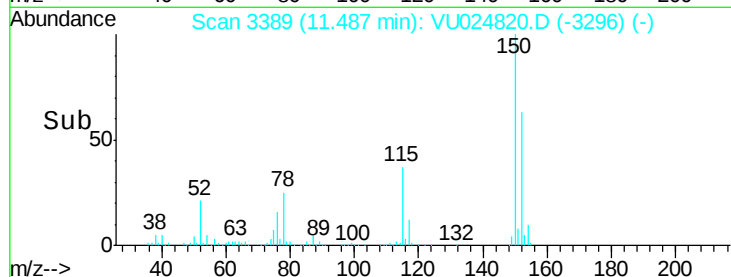
150 156.3 0.0 354.0



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: 25.159 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024820.D

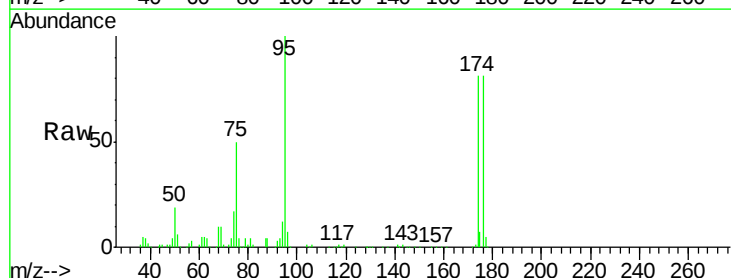
Acq: 21 Jun 2018 18:55

Tgt Ion: 75 Resp: 79870

Ion Ratio Lower Upper

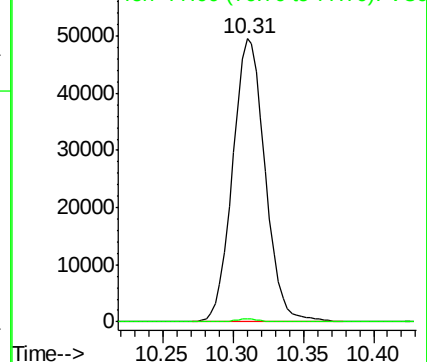
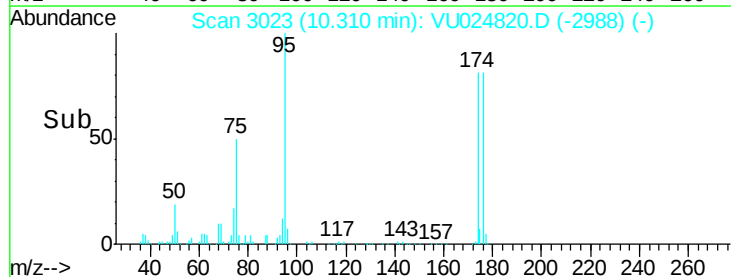
75 100

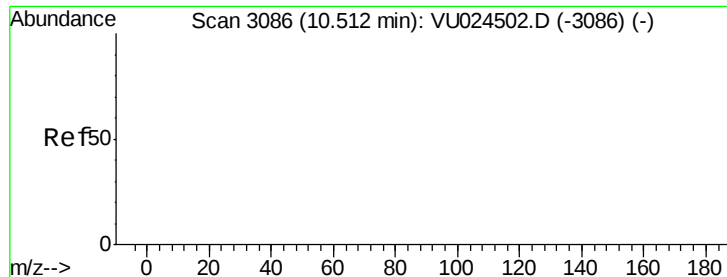
77 0.7 20.9 62.7#



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: 58.229 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024820.D

Acq: 21 Jun 2018 18:55

Instrument :

MSVOA_U

ClientSampleId :

MWHR2-8-061418

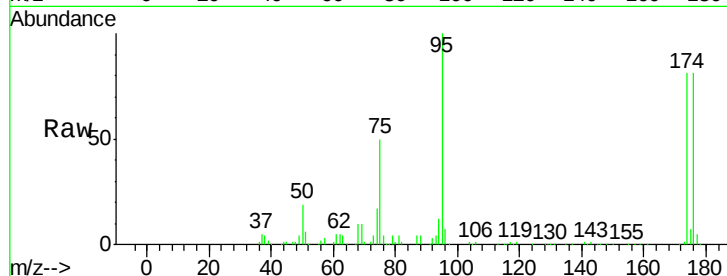
Tot Ion: 75 Resp: 79870

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

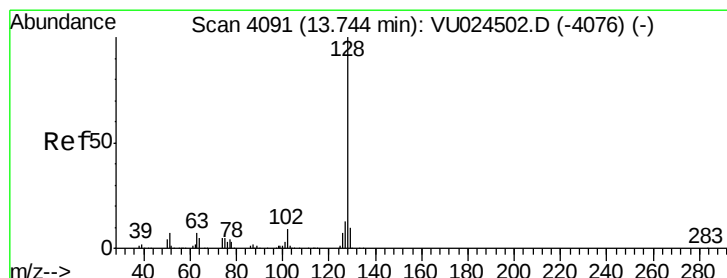
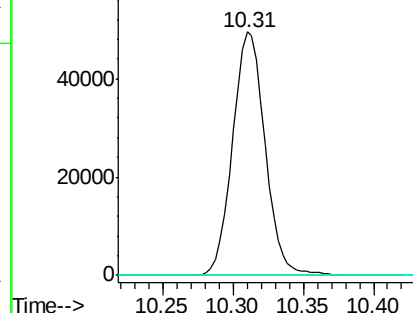
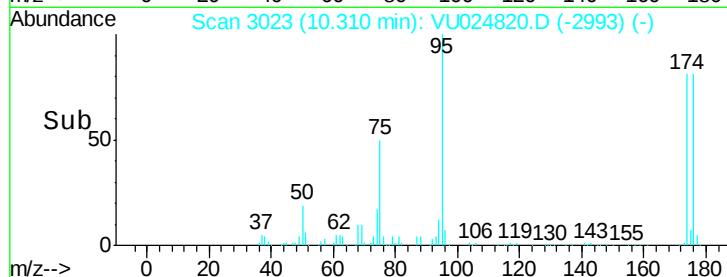
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3086) (-)

Ion 53.00 (52.70 to 53.70): VU024502.D (-3086) (-)

Ion 88.90 (88.60 to 89.60): VU024502.D (-3086) (-)



#95

Naphthalene

Concen: 0.686 ug/l

RT: 13.79 min Scan# 4106

Delta R.T. 0.05 min

Lab File: VU024820.D

Acq: 21 Jun 2018 18:55

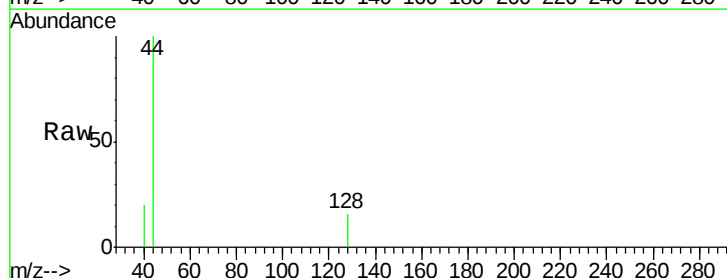
Tgt Ion: 128 Resp: 74

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VU024502.D (-4076) (-)

Ion 127.00 (126.70 to 127.70): VU024502.D (-4076) (-)

Ion 129.00 (128.70 to 129.70): VU024502.D (-4076) (-)

