

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
 Data File : VU025161.D
 Acq On : 02 Jul 2018 23:21
 Operator : MD/SY
 Sample : VU0702WBL02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0702WBL02

Quant Time: Jul 03 03:03:54 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	206189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	309670	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	287904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	146815	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	155577	46.22	ug/l	0.00
Spiked Amount			Recovery	=	92.44%	
35) Dibromofluoromethane	4.89	113	120517	46.89	ug/l	0.00
Spiked Amount			Recovery	=	93.78%	
50) Toluene-d8	7.57	98	445906	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	
62) 4-Bromofluorobenzene	10.31	95	163315	43.88	ug/l	0.00
Spiked Amount			Recovery	=	87.76%	

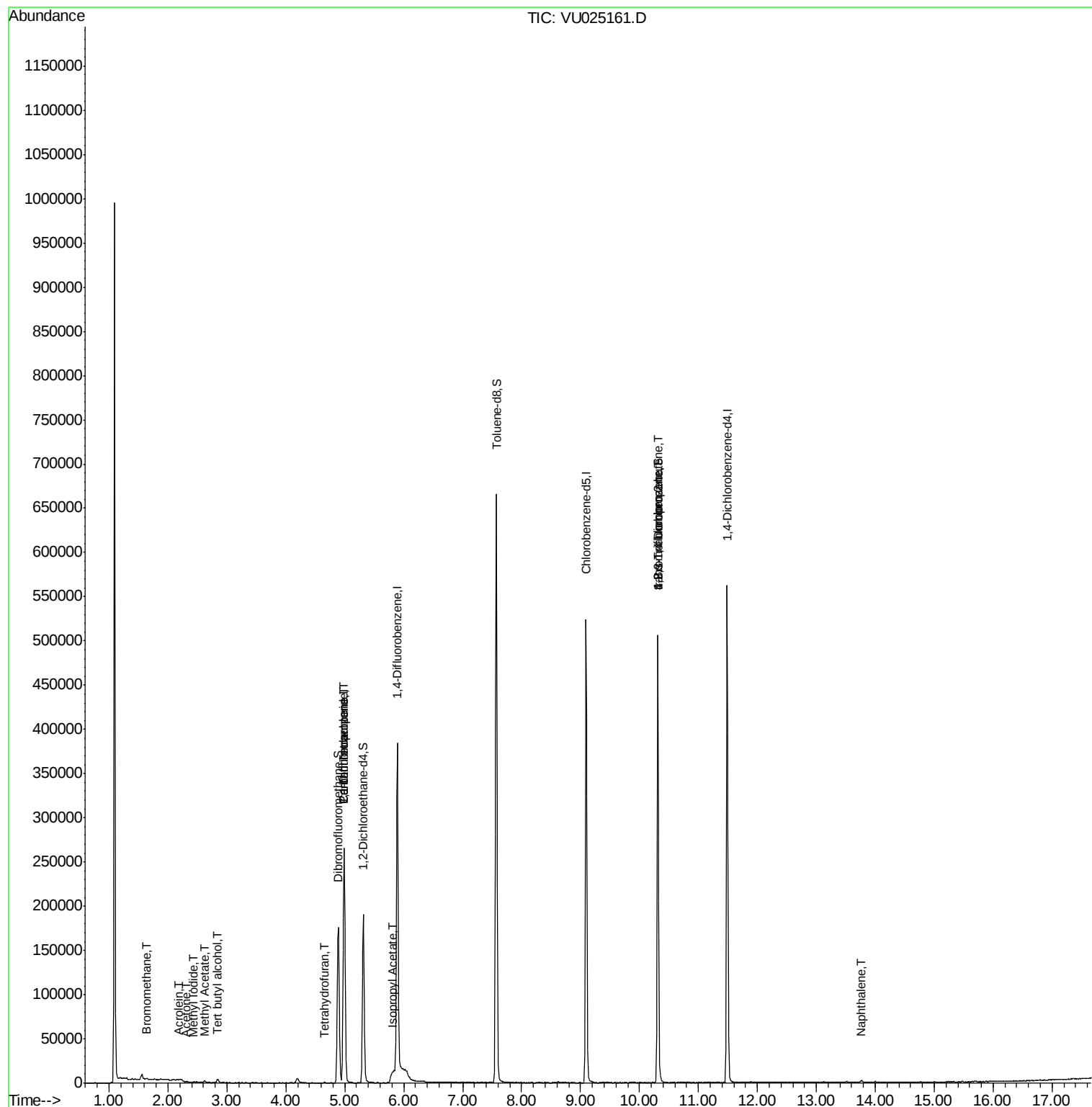
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	560	0.426	ug/l #	67
6) Chloroethane	1.68	64	50	Below Cal	#	43
10) Methyl Iodide	2.43	142	229	5.383	ug/l #	40
11) Tert butyl alcohol	2.84	59	2657	3.246	ug/l #	72
13) Acrolein	2.18	56	104	0.242	ug/l #	1
16) Acetone	2.32	43	605	0.335	ug/l #	44
18) Methyl Acetate	2.62	43	3160	0.815	ug/l #	84
29) Tetrahydrofuran	4.65	42	404	0.269	ug/l #	42
31) Cyclohexane	4.99	56	4416	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	15262	4.194	ug/l #	52
38) Carbon Tetrachloride	4.99	117	19825	4.954	ug/l #	16
43) Isopropyl Acetate	5.81	43	11394	1.662	ug/l #	62
76) 1,2,3-Trichloropropane	10.31	75	86191	26.665	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	86191	61.715	ug/l #	100
95) Naphthalene	13.76	128	3054	0.958	ug/l	96

(#) = 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: VU025161.D

Acq: 02 Jul 2018 23:21

Instrument :

MSVOA_U

ClientSampleId :

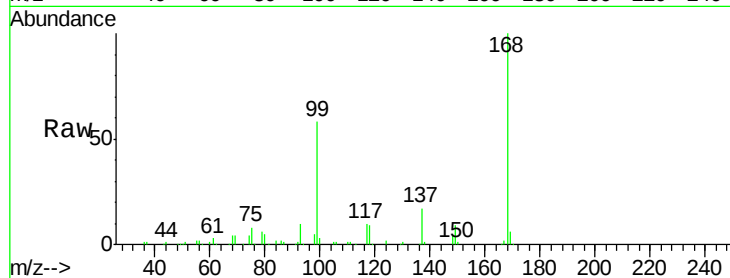
VU0702WBL02

Tot Ion:168 Resp: 206189

Ion Ratio Lower Upper

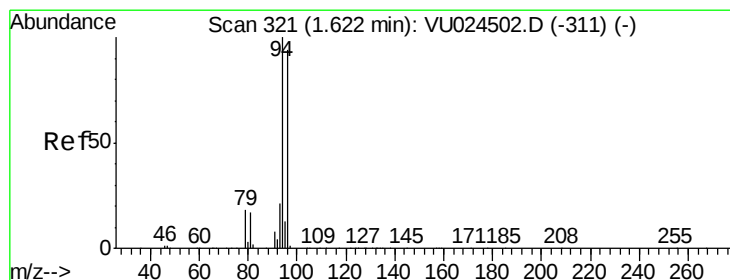
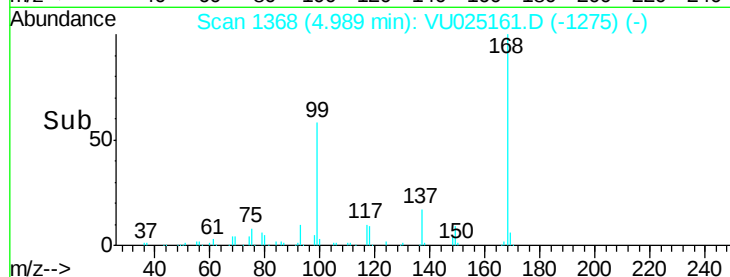
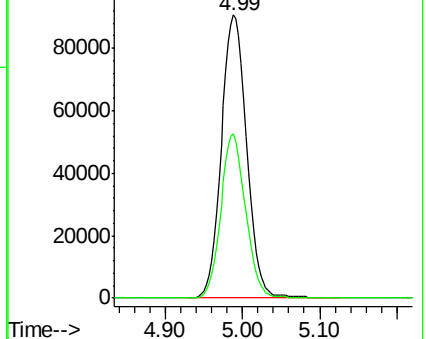
168 100

99 57.9 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU025161.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU025161.D (-1275) (-)



#5

Bromomethane

Concen: 0.426 ug/l

RT: 1.63 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU025161.D

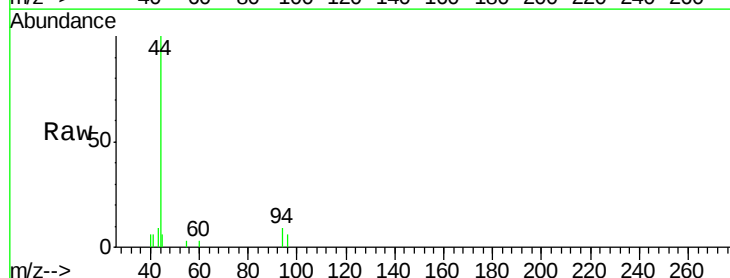
Acq: 02 Jul 2018 23:21

Tgt Ion: 94 Resp: 560

Ion Ratio Lower Upper

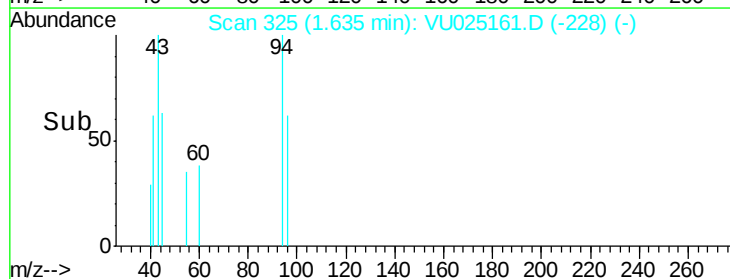
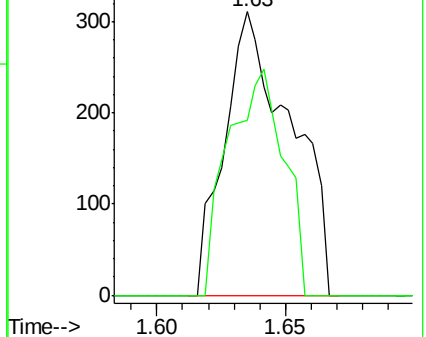
94 100

96 61.7 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VU025161.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VU025161.D (-228) (-)





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 338

Delta R.T. -0.02 min

Lab File: VU025161.D

Acq: 02 Jul 2018 23:21

Instrument :

MSVOA_U

ClientSampleId :

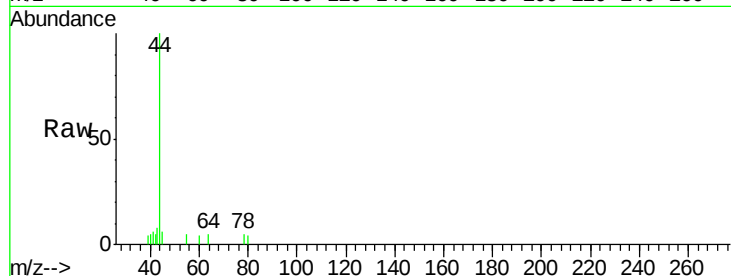
VU0702WBL02

Tot Ion: 64 Resp: 50

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



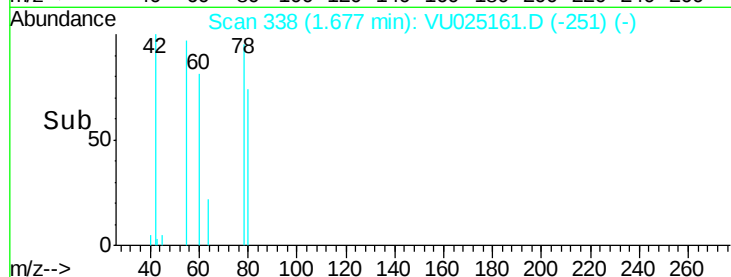
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

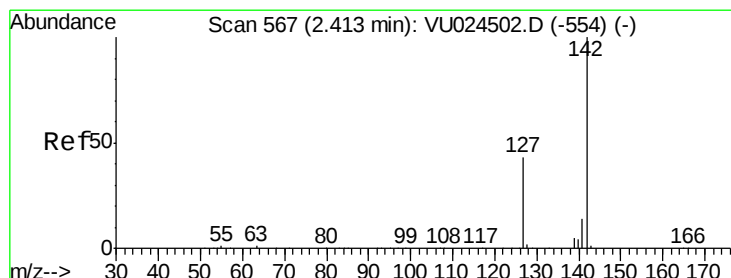
1.68

1.68

1.69



Time-->



#10

Methyl Iodide

Concen: 5.383 ug/l

RT: 2.43 min Scan# 571

Delta R.T. 0.01 min

Lab File: VU025161.D

Acq: 02 Jul 2018 23:21

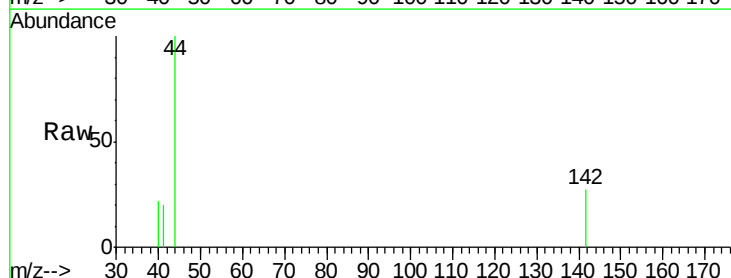
Tgt Ion: 142 Resp: 229

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

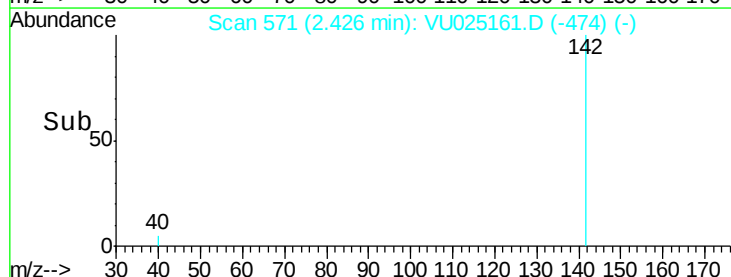
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

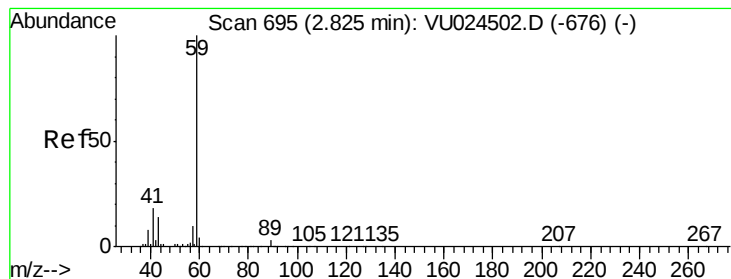
2.43

2.43

2.44



Time-->

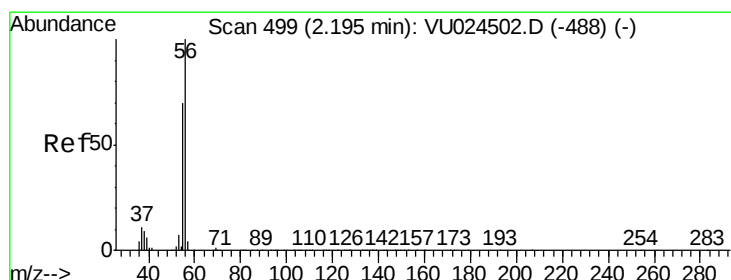
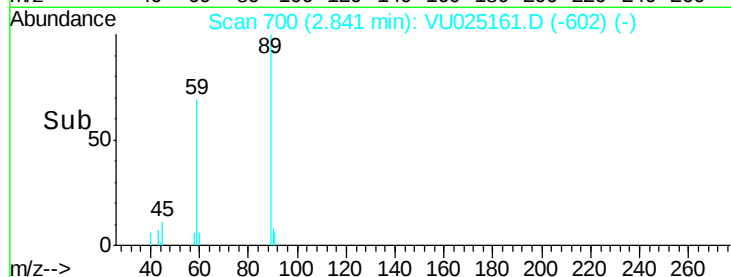
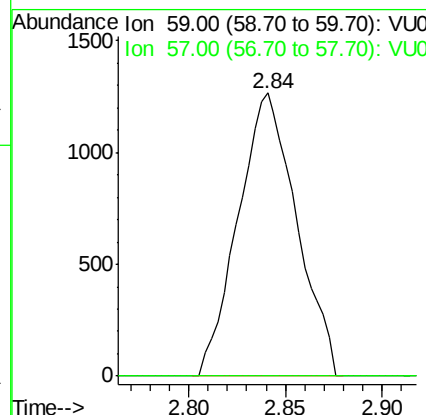
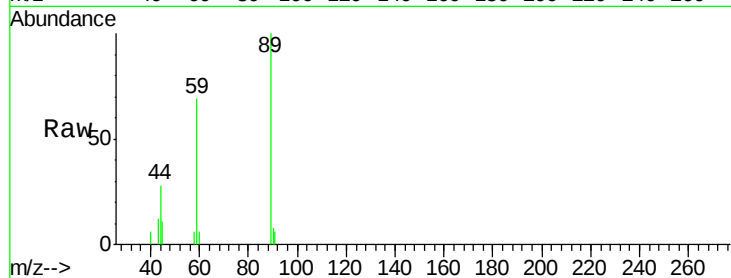


#11

Tert butyl alcohol
 Concen: 3.246 ug/l
 RT: 2.84 min Scan# 700
 Delta R.T. 0.02 min
 Lab File: VU025161.D
 Acq: 02 Jul 2018 23:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0702WBL02

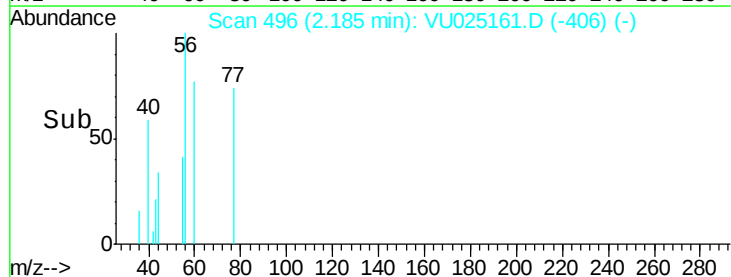
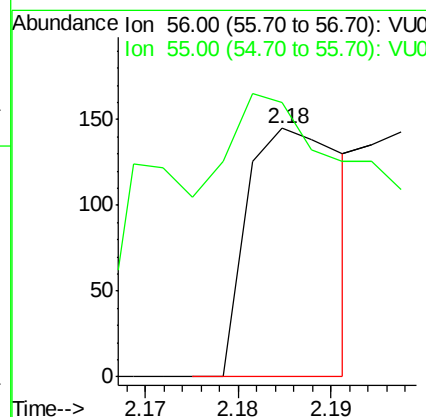
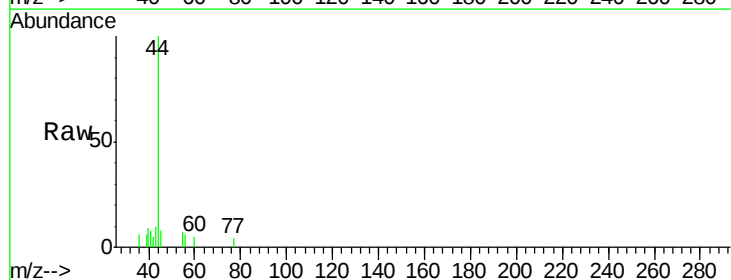
Tot Ion: 59 Resp: 2657
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

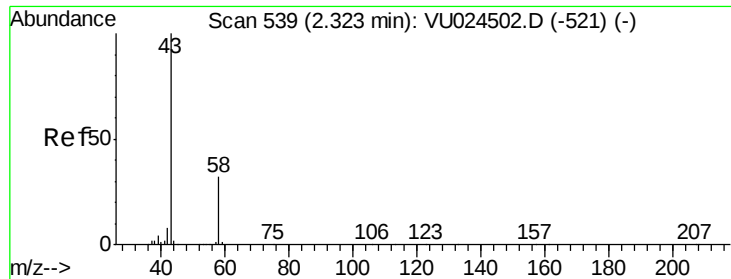


#13

Acrolein
 Concen: 0.242 ug/l
 RT: 2.18 min Scan# 496
 Delta R.T. -0.01 min
 Lab File: VU025161.D
 Acq: 02 Jul 2018 23:21

Tgt Ion: 56 Resp: 104
 Ion Ratio Lower Upper
 56 100
 55 240.4 58.4 87.6#





#16

Acetone

Concen: 0.335 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025161.D

Acq: 02 Jul 2018 23:21

Instrument :

MSVOA_U

ClientSampleId :

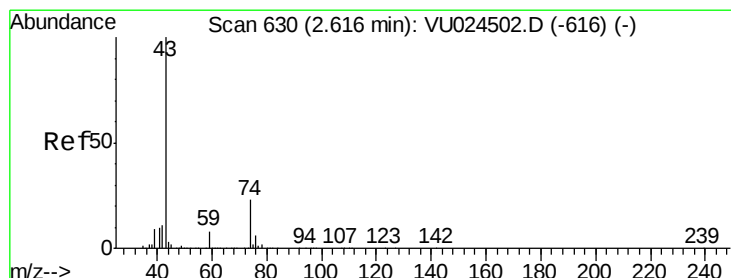
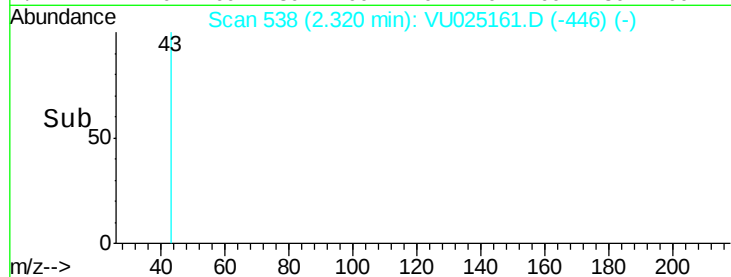
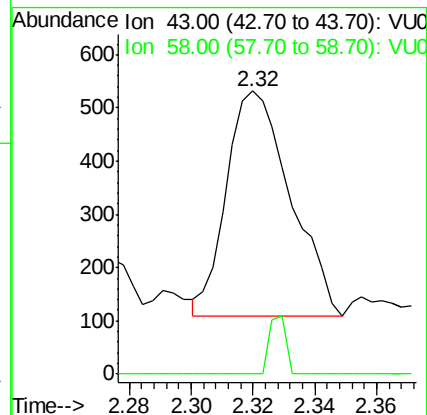
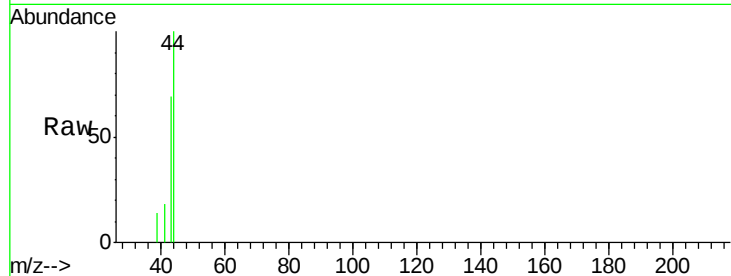
VU0702WBL02

Tot Ion: 43 Resp: 605

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#



#18

Methyl Acetate

Concen: 0.815 ug/l

RT: 2.62 min Scan# 632

Delta R.T. 0.01 min

Lab File: VU025161.D

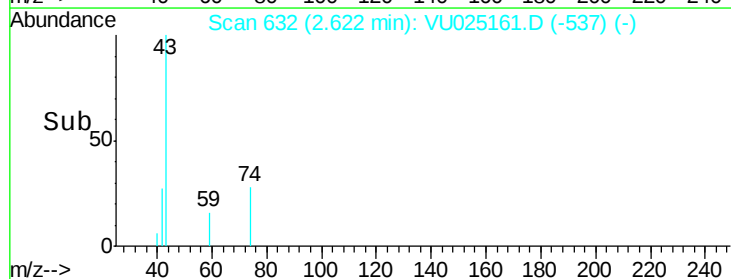
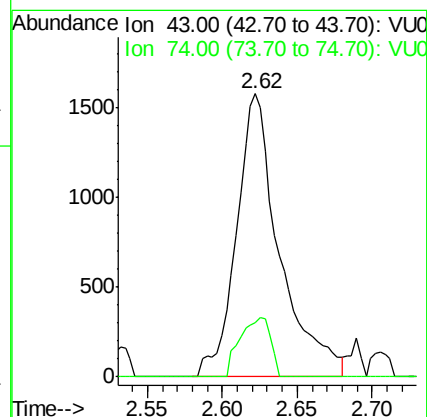
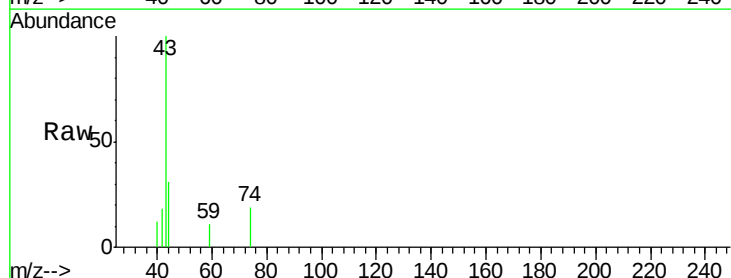
Acq: 02 Jul 2018 23:21

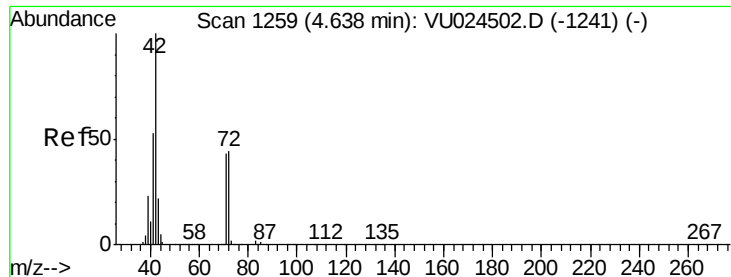
Tgt Ion: 43 Resp: 3160

Ion Ratio Lower Upper

43 100

74 14.9 18.0 27.0#





#29

Tetrahydrofuran

Concen: 0.269 ug/l

RT: 4.65 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VU025161.D

Acq: 02 Jul 2018 23:21

Instrument :

MSVOA_U

ClientSampleId :

VU0702WBL02

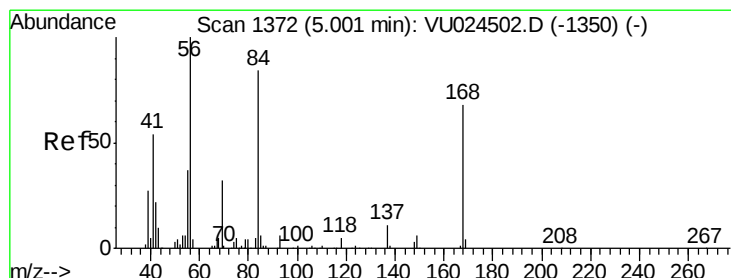
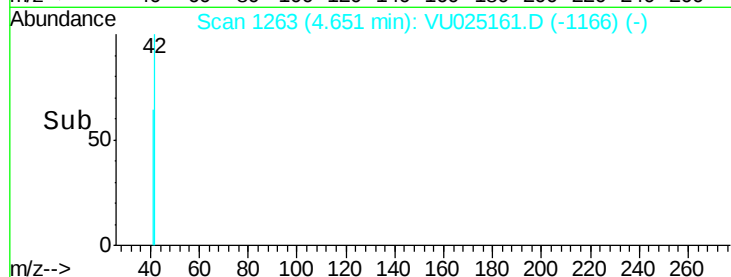
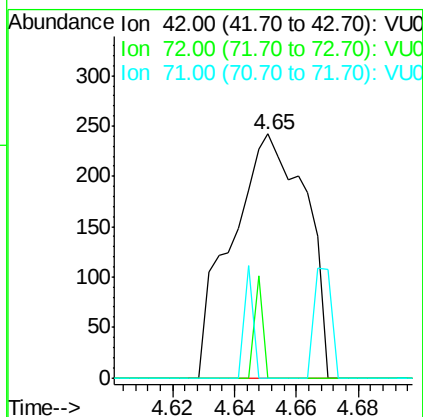
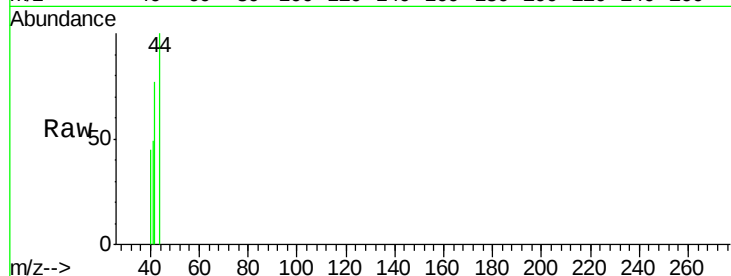
Tot Ion: 42 Resp: 404

Ion Ratio Lower Upper

42 100

72 4.7 34.5 51.7#

71 5.2 32.2 48.4#



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1367

Delta R.T. -0.02 min

Lab File: VU025161.D

Acq: 02 Jul 2018 23:21

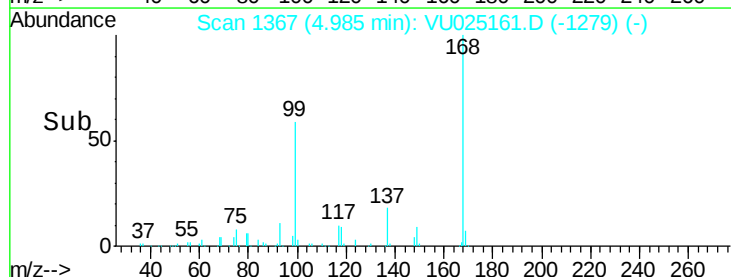
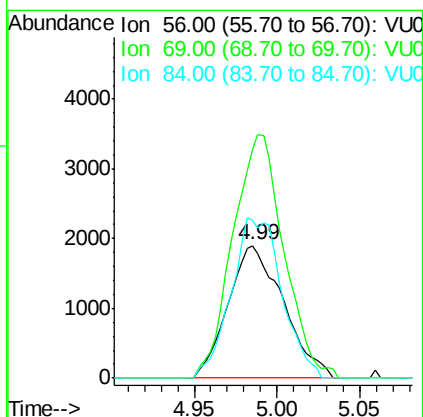
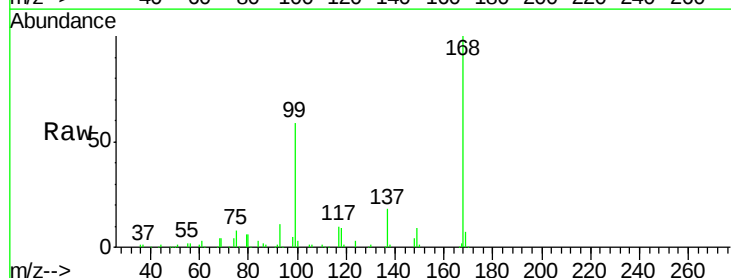
Tgt Ion: 56 Resp: 4416

Ion Ratio Lower Upper

56 100

69 172.4 24.8 37.2#

84 119.1 65.2 97.8#

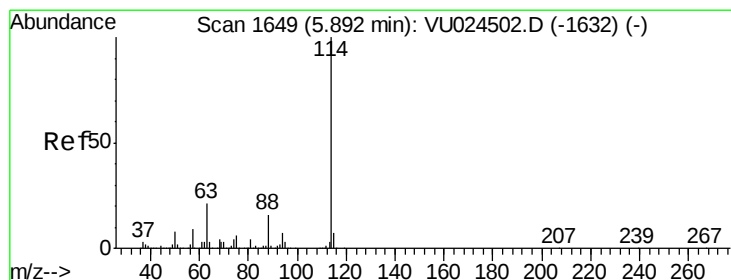
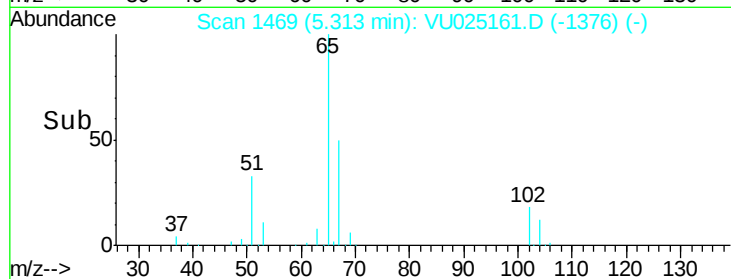
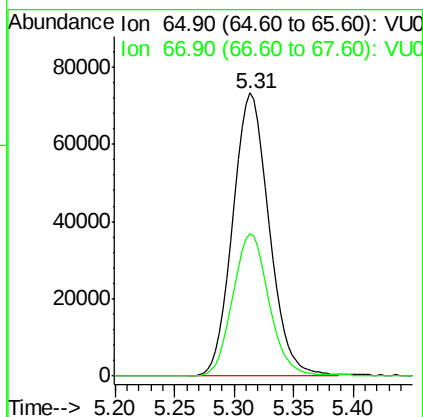
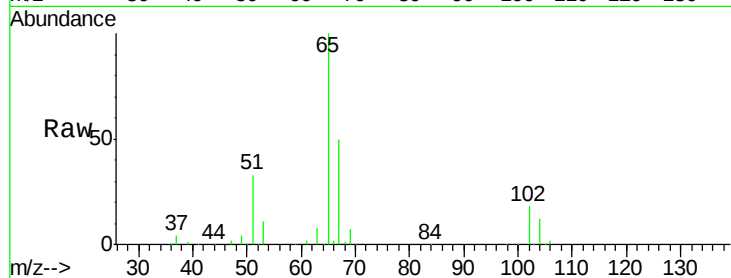




#33
 1,2-Dichloroethane-d4
 Concen: 46.219 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025161.D
 Acq: 02 Jul 2018 23:21

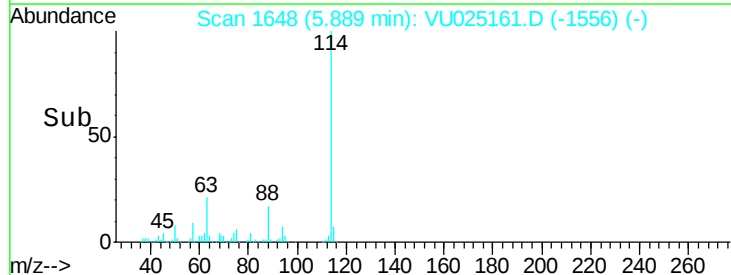
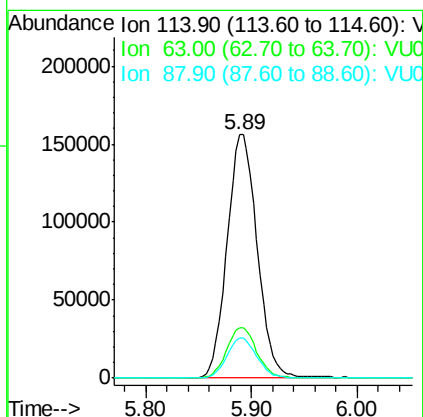
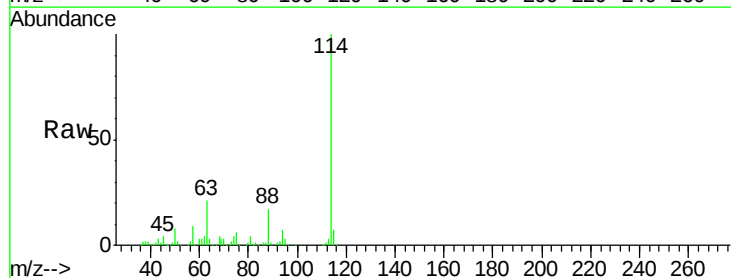
Instrument :
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 ClientSampleId :
 VU0702WBL02

Tot Ion: 65 Resp: 155577
 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# 1648
 Delta R.T. -0.00 min
 Lab File: VU025161.D
 Acq: 02 Jul 2018 23:21

Tgt Ion: 114 Resp: 309670
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 45.4
 88 16.6 0.0 31.0





#35

Dibromofluoromethane

Concen: 46.893 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025161.D

Acq: 02 Jul 2018 23:21

Instrument :

MSVOA_U

ClientSampleId :

VU0702WBL02

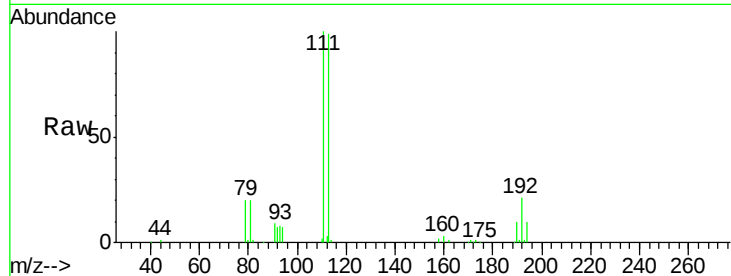
Tot Ion:113 Resp: 120517

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

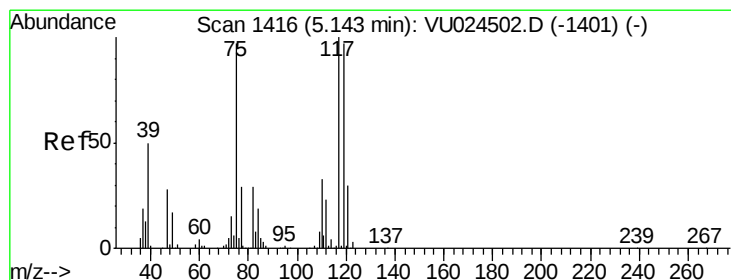
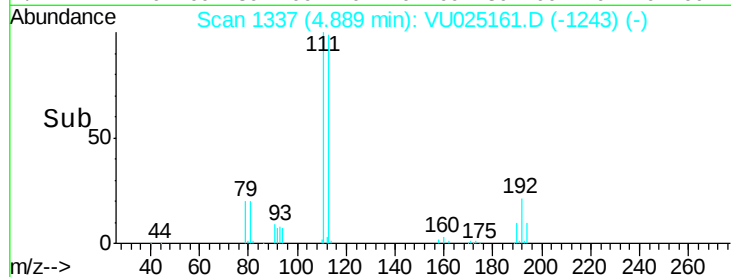
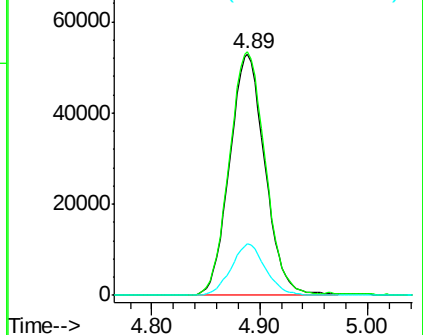
192 20.6 16.2 24.4



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: 4.194 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025161.D

Acq: 02 Jul 2018 23:21

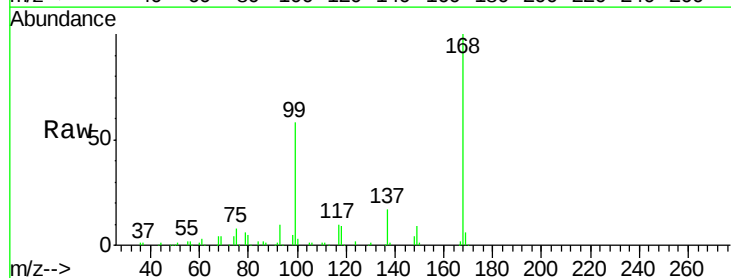
Tgt Ion: 75 Resp: 15262

Ion Ratio Lower Upper

75 100

110 10.4 17.0 50.9#

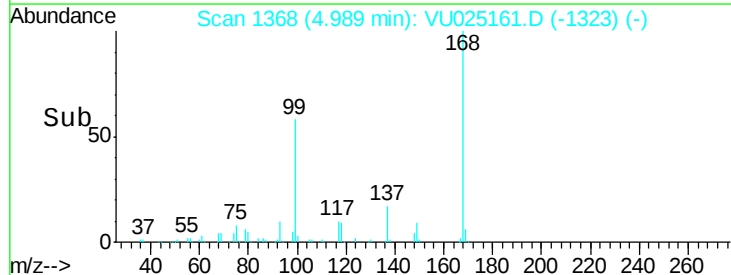
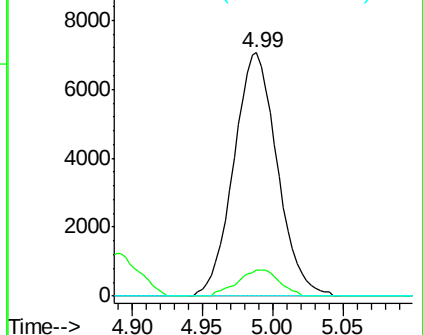
77 0.0 24.2 36.4#

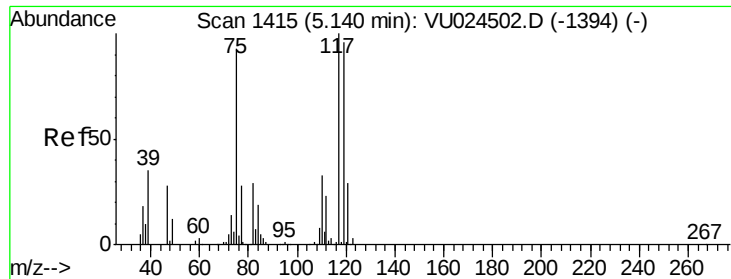


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 4.954 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025161.D

Acq: 02 Jul 2018 23:21

Instrument :

MSVOA_U

ClientSampleId :

VU0702WBL02

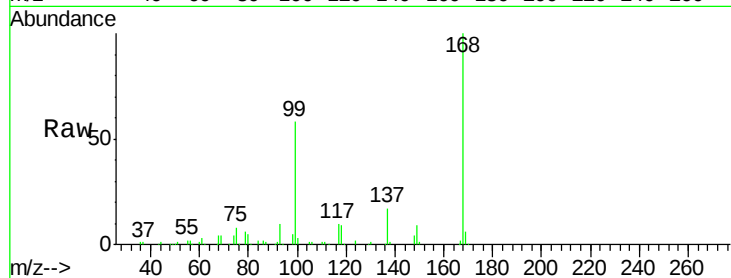
Tot Ion:117 Resp: 19825

Ion Ratio Lower Upper

117 100

119 4.7 76.1 114.1#

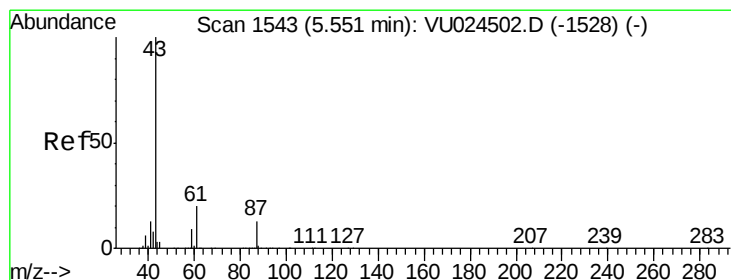
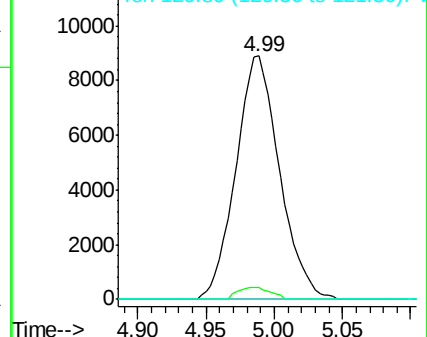
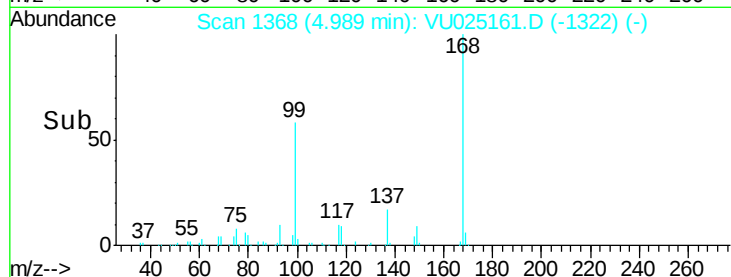
121 0.0 23.7 35.5#



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



#43

Isopropyl Acetate

Concen: 1.662 ug/l

RT: 5.81 min Scan# 1623

Delta R.T. 0.26 min

Lab File: VU025161.D

Acq: 02 Jul 2018 23:21

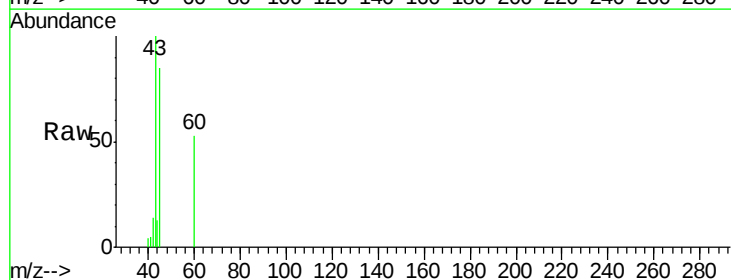
Tgt Ion: 43 Resp: 11394

Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.0#

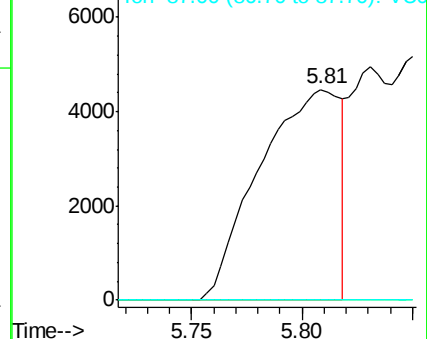
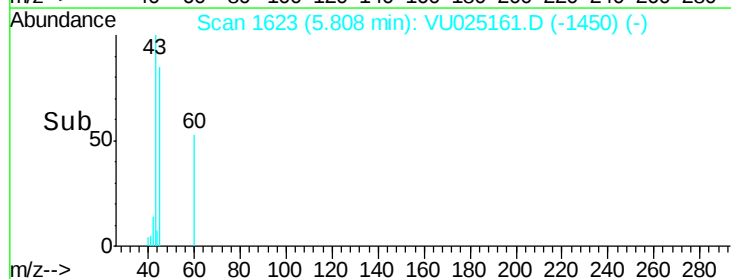
87 0.0 10.0 15.0#



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

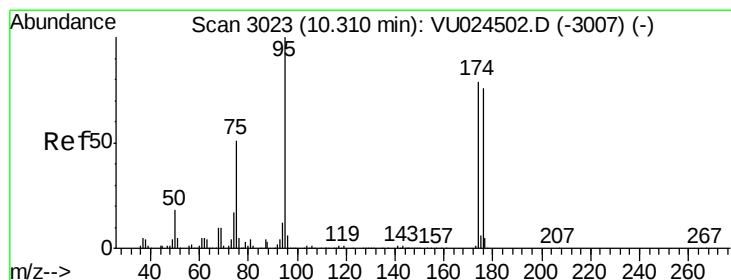
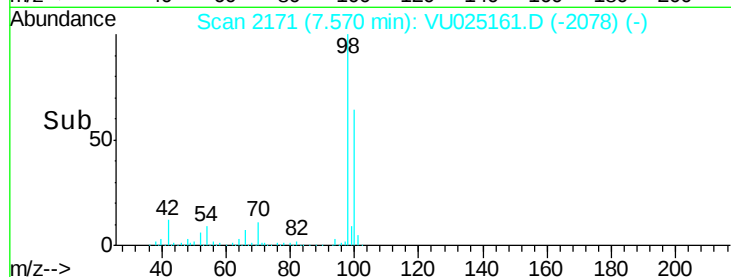
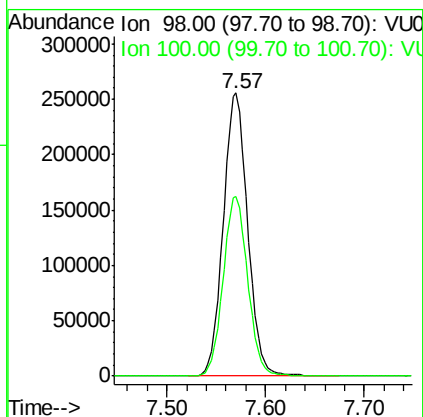
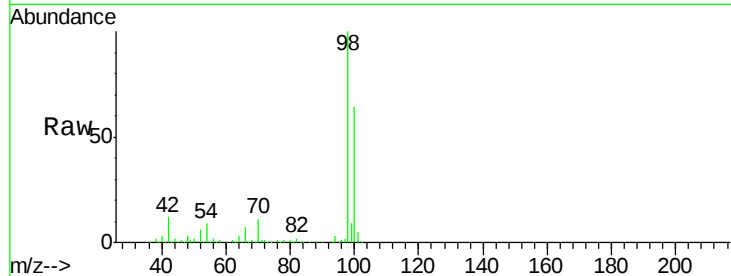




#50
Toluene-d8
Concen: 47.566 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU025161.D
Acq: 02 Jul 2018 23:21

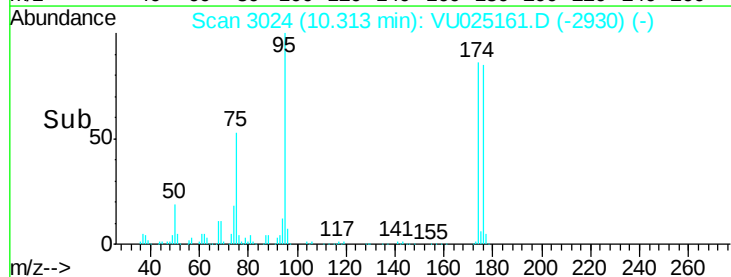
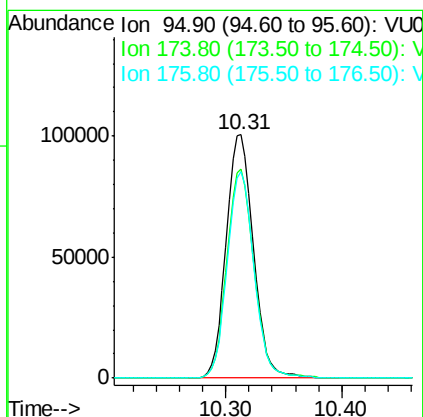
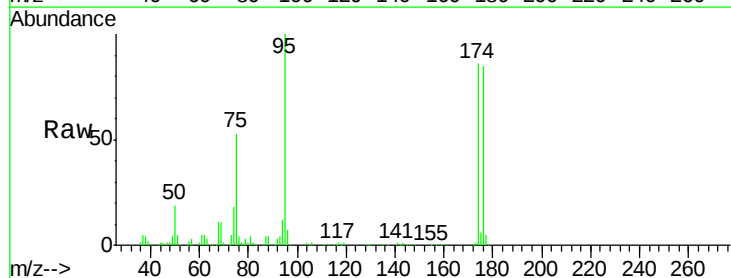
Instrument :
MSVOA_U
ClientSampleId :
VU0702WBL02

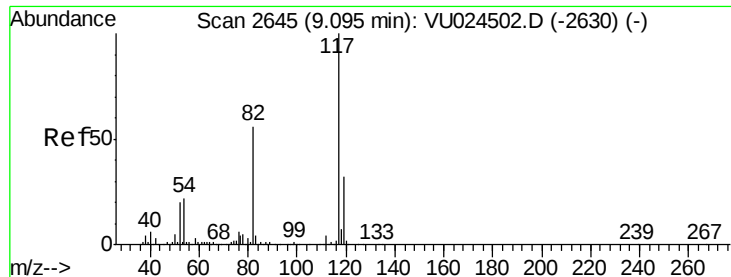
Tot Ion: 98 Resp: 445906
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 43.878 ug/l
RT: 10.31 min Scan# 3024
Delta R.T. 0.00 min
Lab File: VU025161.D
Acq: 02 Jul 2018 23:21

Tgt Ion: 95 Resp: 163315
Ion Ratio Lower Upper
95 100
174 85.2 0.0 165.8
176 83.0 0.0 159.4

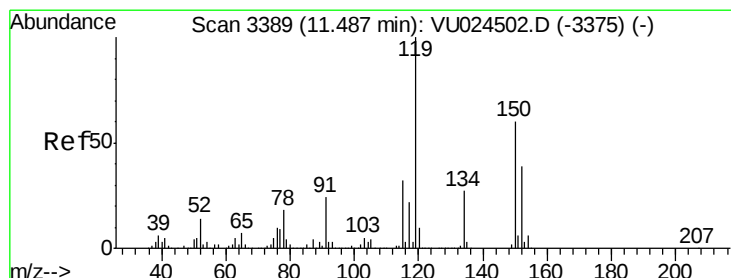
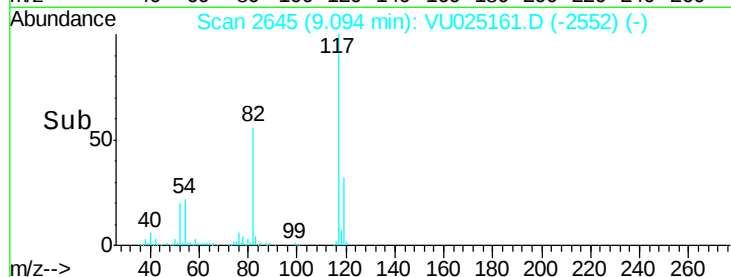
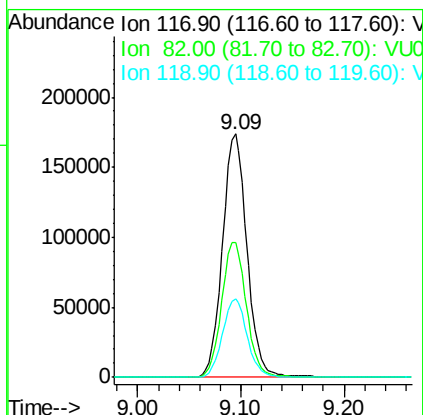
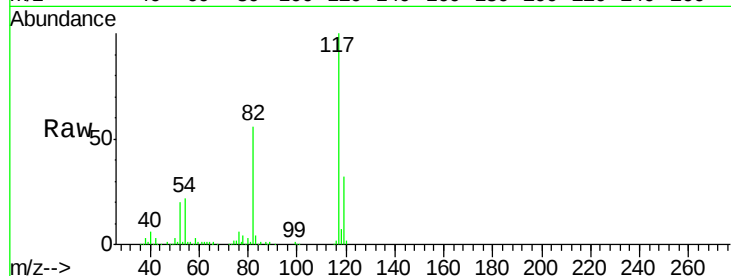




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025161.D
Acq: 02 Jul 2018 23:21

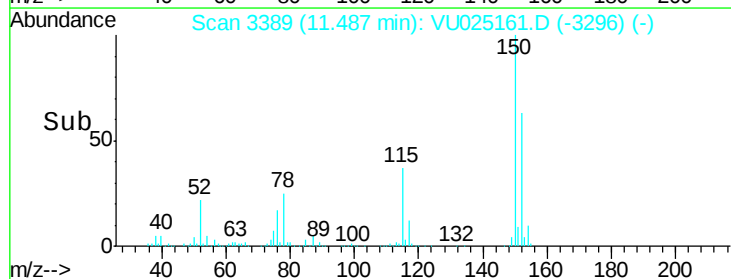
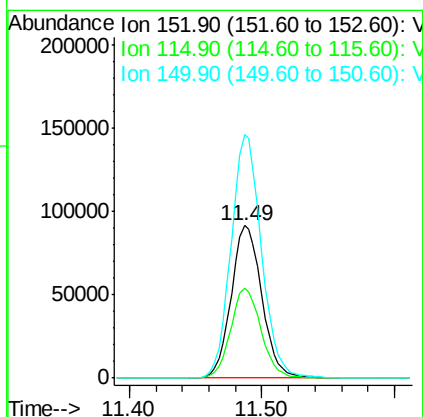
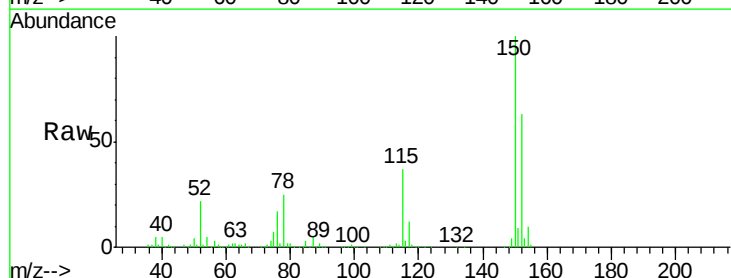
Instrument :
MSVOA_U
ClientSampleId :
VU0702WBL02

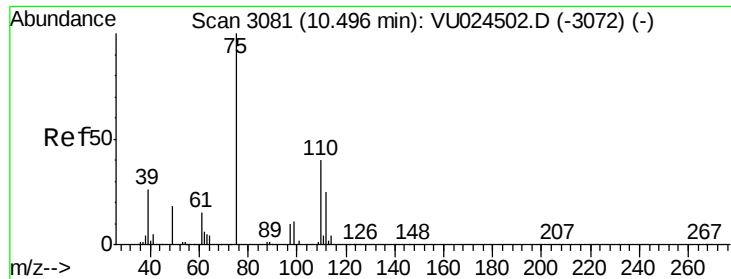
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.3	66.5
119	32.4	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU025161.D
Acq: 02 Jul 2018 23:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	43.0	129.0
150	158.6	0.0	354.0





#76

1,2,3-Trichloropropane

Concen: 26.665 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025161.D

Acq: 02 Jul 2018 23:21

Instrument :

MSVOA_U

ClientSampleId :

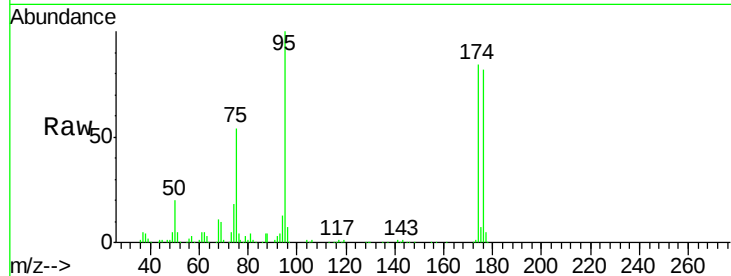
VU0702WBL02

Tot Ion: 75 Resp: 86191

Ion Ratio Lower Upper

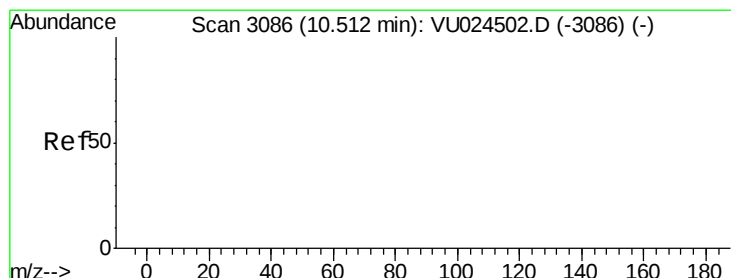
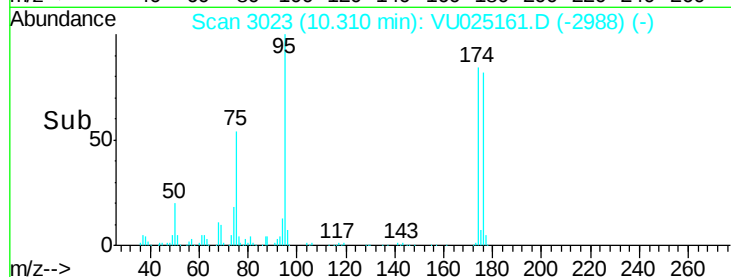
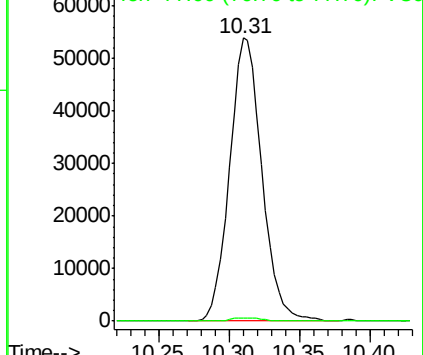
75 100

77 1.1 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: 61.715 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025161.D

Acq: 02 Jul 2018 23:21

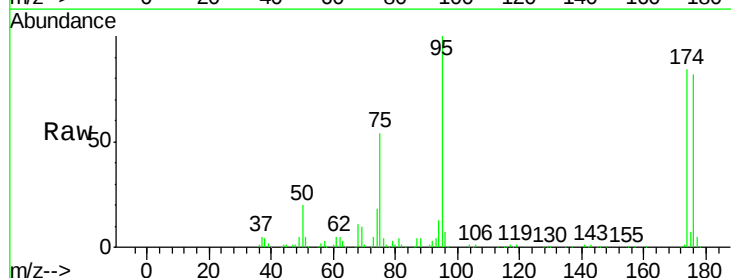
Tgt Ion: 75 Resp: 86191

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

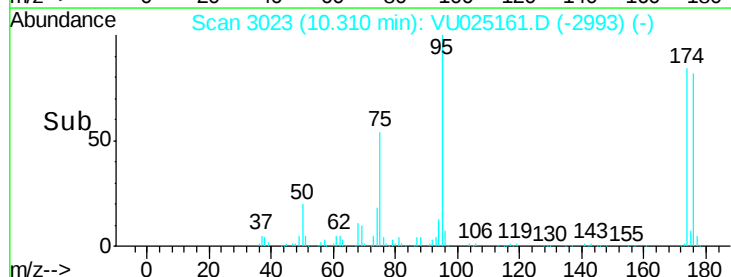
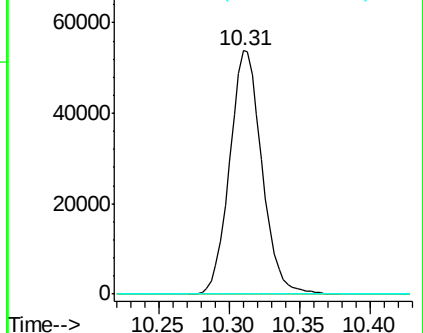
89 0.1 0.0 0.0#

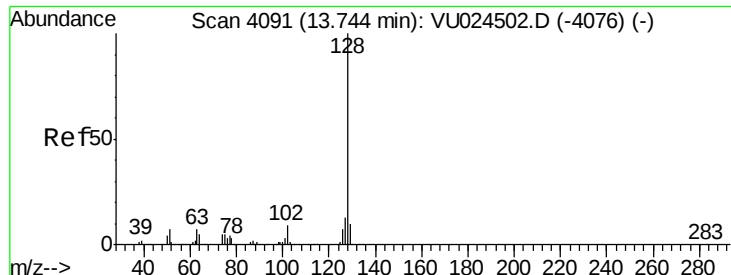


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#95
Naphthalene
Concen: 0.958 ug/l
RT: 13.76 min Scan# 4096
Delta R.T. 0.02 min
Lab File: VU025161.D
Acq: 02 Jul 2018 23:21

Instrument :
MSVOA_U
ClientSampleId :
VU0702WBL02

Tot Ion:128 Resp: 3054
Ion Ratio Lower Upper
128 100
127 11.4 10.6 16.0
129 10.0 8.6 12.8

