

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070318\
 Data File : VU025182.D
 Acq On : 03 Jul 2018 11:13
 Operator : MD/SY
 Sample : VU0703WBL01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0703WBL01

Quant Time: Jul 04 04:56:25 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	214630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	315660	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	291519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	152874	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	158642	45.28	ug/l	0.00
Spiked Amount			Recovery	=	90.56%	
35) Dibromofluoromethane	4.89	113	125443	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	
50) Toluene-d8	7.57	98	450121	47.10	ug/l	0.00
Spiked Amount			Recovery	=	94.20%	
62) 4-Bromofluorobenzene	10.31	95	168768	44.48	ug/l	0.00
Spiked Amount			Recovery	=	88.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	549	0.401	ug/l	85
6) Chloroethane	1.71	64	149	Below Cal	#	43
10) Methyl Iodide	2.42	142	177	5.358	ug/l #	40
11) Tert butyl alcohol	2.84	59	2319	2.721	ug/l #	72
13) Acrolein	2.20	56	131	0.293	ug/l #	32
16) Acetone	2.32	43	983	0.522	ug/l #	44
18) Methyl Acetate	2.62	43	845	0.209	ug/l #	73
29) Tetrahydrofuran	4.64	42	341	0.218	ug/l #	63
31) Cyclohexane	4.99	56	4534	Below Cal	#	24
36) 1,1-Dichloropropene	4.99	75	16161	4.357	ug/l #	52
38) Carbon Tetrachloride	4.99	117	19891	4.877	ug/l #	16
41) Methacrylonitrile	4.64	41	506	0.232	ug/l #	38
43) Isopropyl Acetate	5.83	43	1686	0.241	ug/l #	62
76) 1,2,3-Trichloropropane	10.31	75	86391	25.668	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	86391	59.406	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.16	105	2238	0.216	ug/l	94
95) Naphthalene	13.76	128	3849	1.017	ug/l #	88

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025182.D

Acq: 03 Jul 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

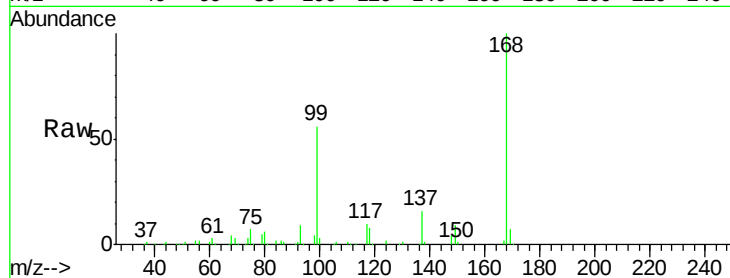
VU0703WBL01

Tot Ion:168 Resp: 214630

Ion Ratio Lower Upper

168 100

99 55.7 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU025182.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU025182.D (-1275) (-)

4.99

100000

80000

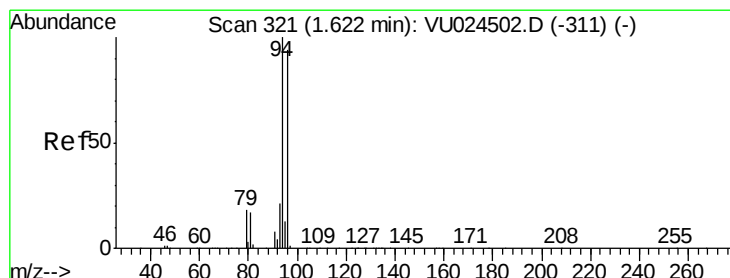
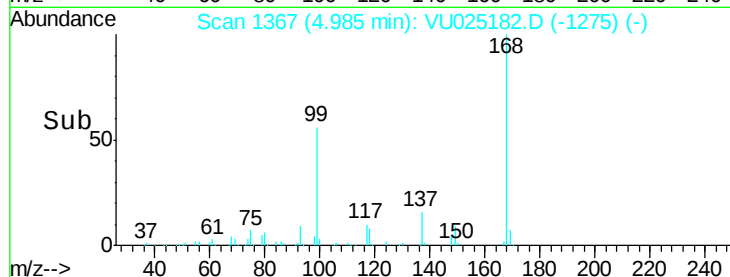
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.401 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU025182.D

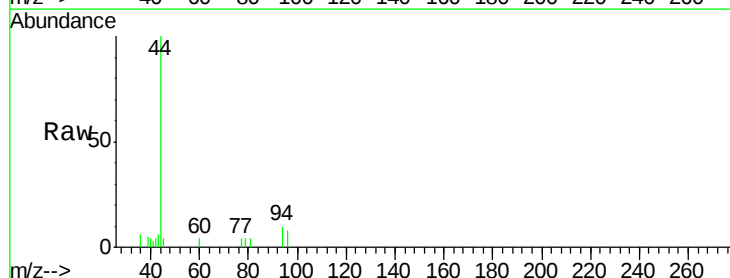
Acq: 03 Jul 2018 11:13

Tgt Ion: 94 Resp: 549

Ion Ratio Lower Upper

94 100

96 78.8 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU025182.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VU025182.D (-228) (-)

1.64

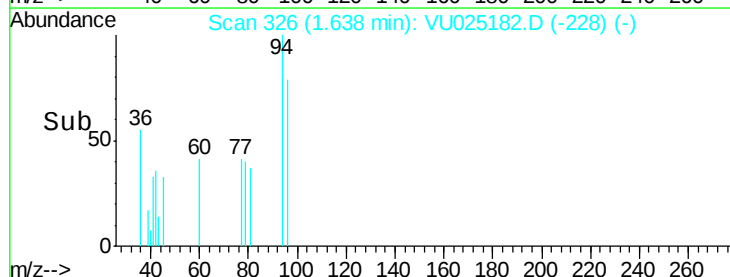
300

200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 348

Delta R.T. 0.01 min

Lab File: VU025182.D

Acq: 03 Jul 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

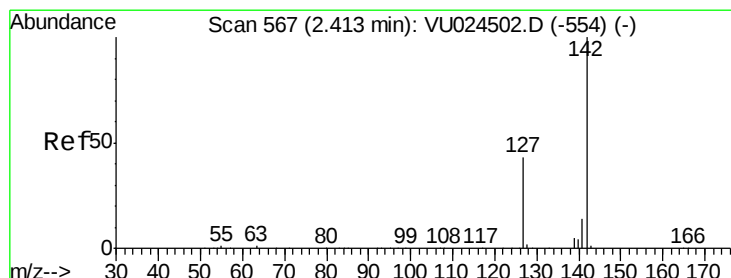
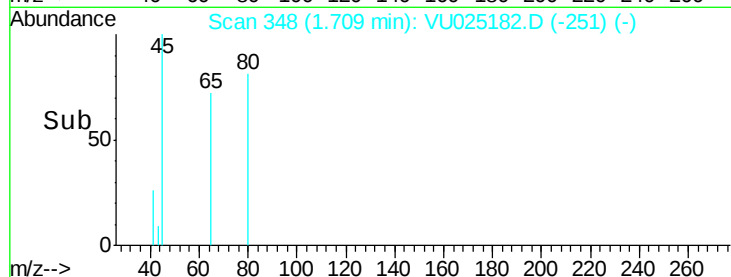
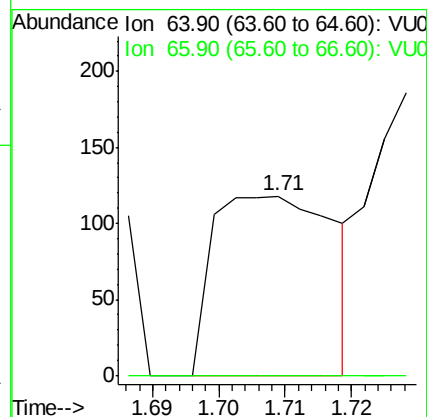
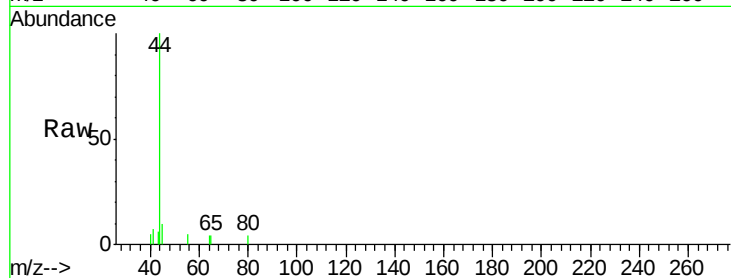
VU0703WBL01

Tot Ion: 64 Resp: 149

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#10

Methyl Iodide

Concen: 5.358 ug/l

RT: 2.42 min Scan# 570

Delta R.T. 0.01 min

Lab File: VU025182.D

Acq: 03 Jul 2018 11:13

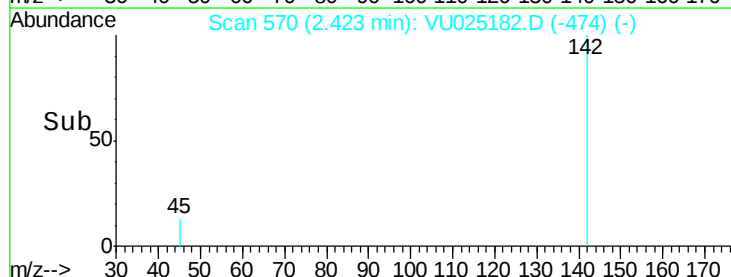
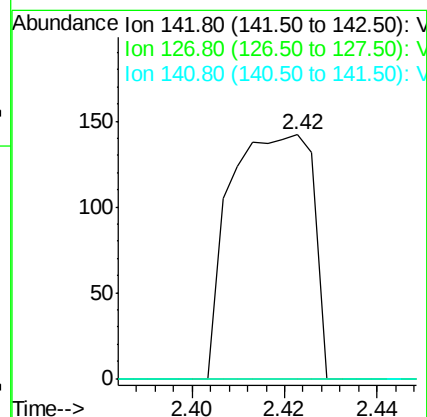
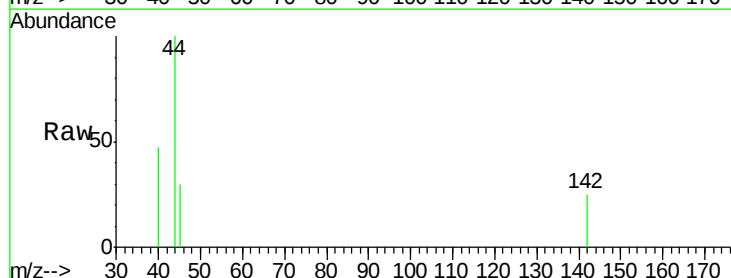
Tgt Ion: 142 Resp: 177

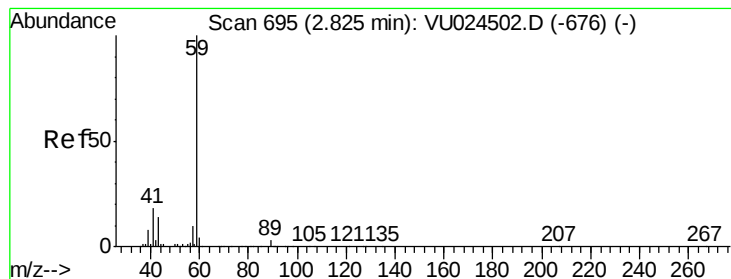
Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

141 0.0 11.7 17.5#



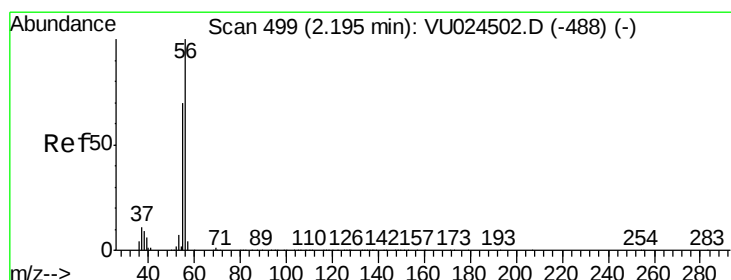
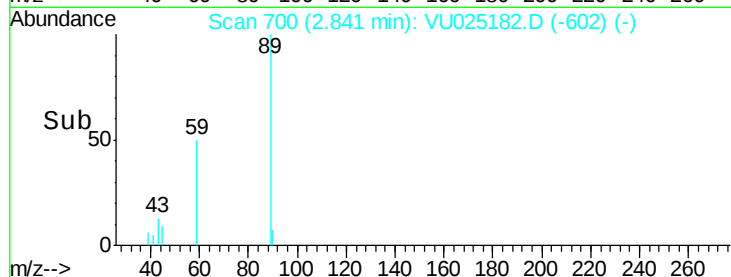
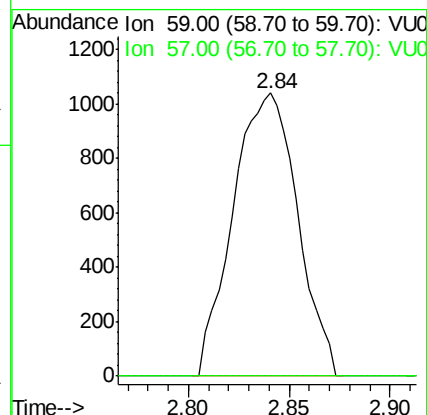
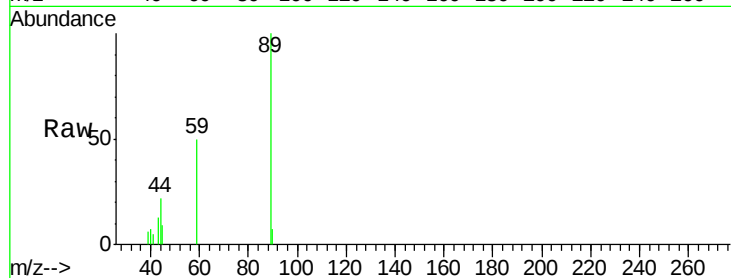


#11

Tert butyl alcohol
 Concen: 2.721 ug/l
 RT: 2.84 min Scan# 700
 Delta R.T. 0.02 min
 Lab File: VU025182.D
 Acq: 03 Jul 2018 11:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0703WBL01

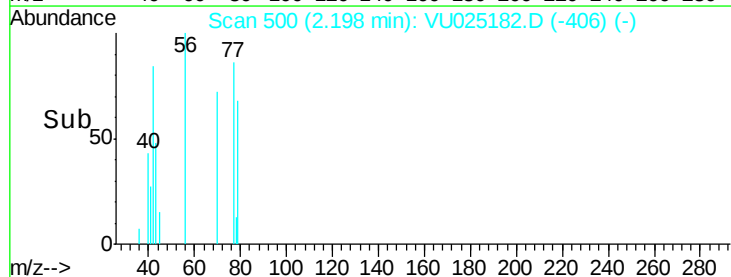
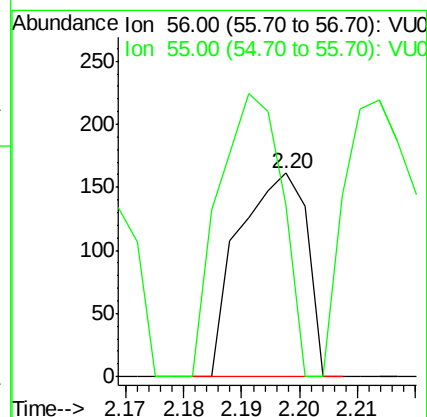
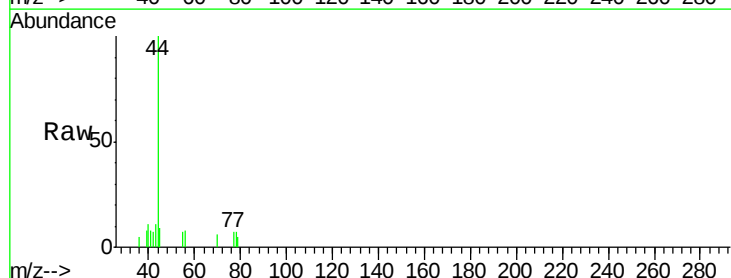
Tot Ion: 59 Resp: 2319
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#



#13

Acrolein
 Concen: 0.293 ug/l
 RT: 2.20 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VU025182.D
 Acq: 03 Jul 2018 11:13

Tgt Ion: 56 Resp: 131
 Ion Ratio Lower Upper
 56 100
 55 129.8 58.4 87.6#





#16

Acetone

Concen: 0.522 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU025182.D

Acq: 03 Jul 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

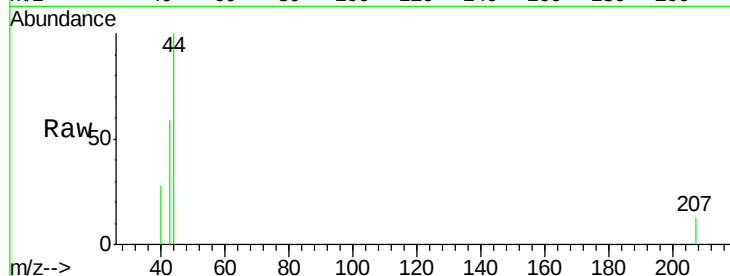
VU0703WBL01

Tot Ion: 43 Resp: 983

Ion Ratio Lower Upper

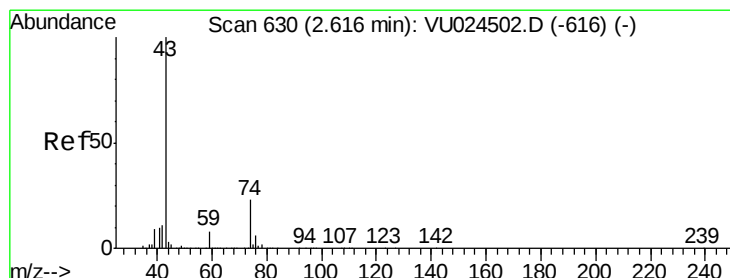
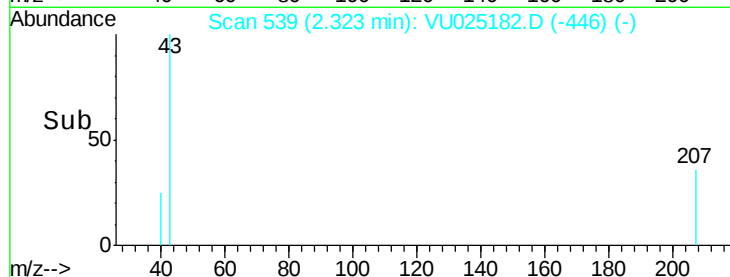
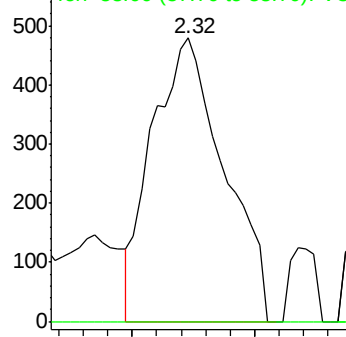
43 100

58 0.0 24.4 36.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 0.209 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025182.D

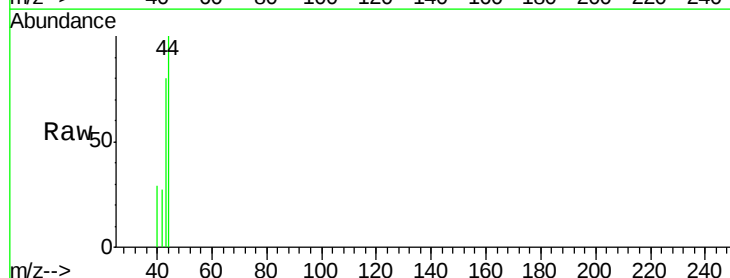
Acq: 03 Jul 2018 11:13

Tgt Ion: 43 Resp: 845

Ion Ratio Lower Upper

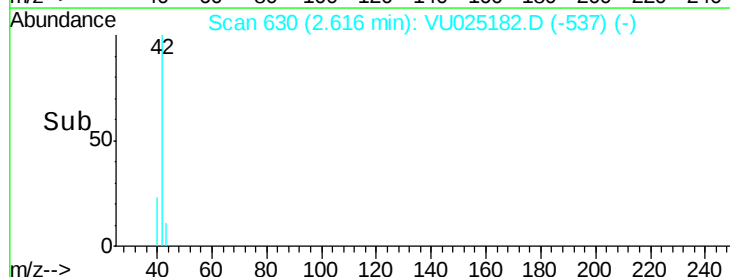
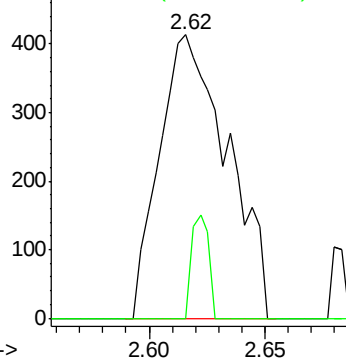
43 100

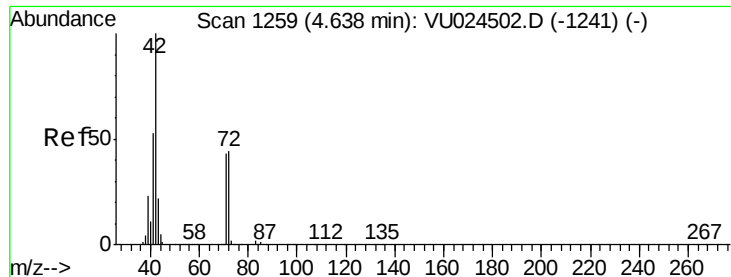
74 9.3 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#29

Tetrahydrofuran

Concen: 0.218 ug/l

RT: 4.64 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VU025182.D

Acq: 03 Jul 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

VU0703WBL01

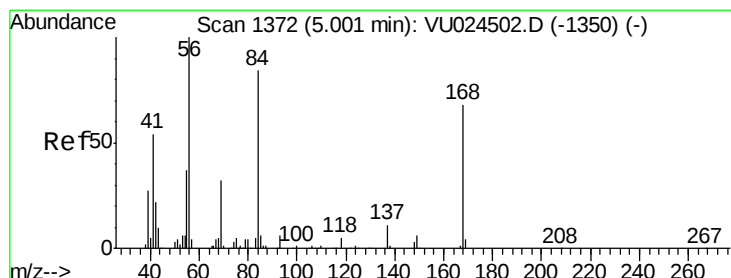
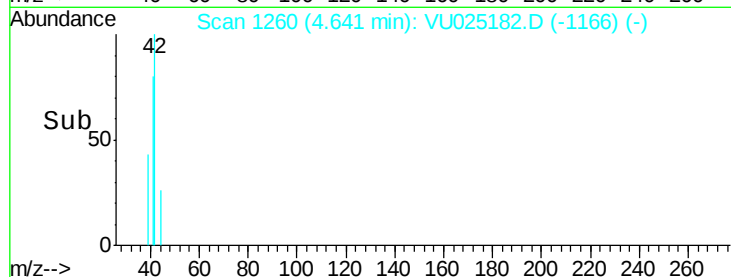
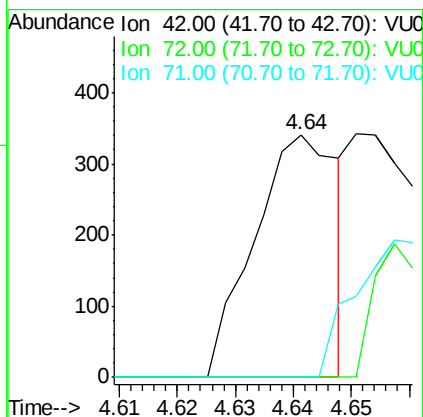
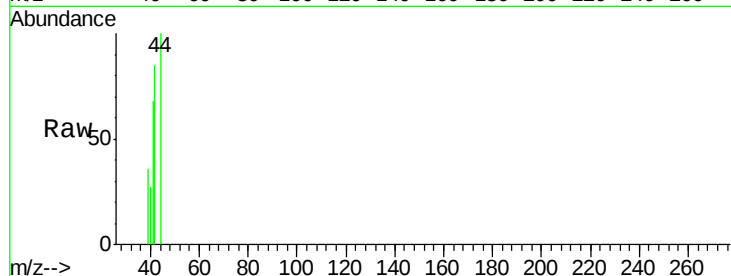
Tot Ion: 42 Resp: 341

Ion Ratio Lower Upper

42 100

72 27.3 34.5 51.7#

71 71.8 32.2 48.4#



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1367

Delta R.T. -0.02 min

Lab File: VU025182.D

Acq: 03 Jul 2018 11:13

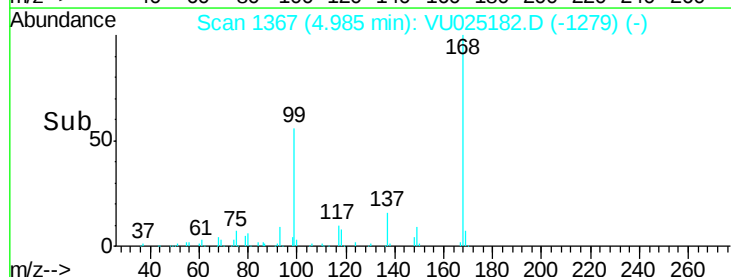
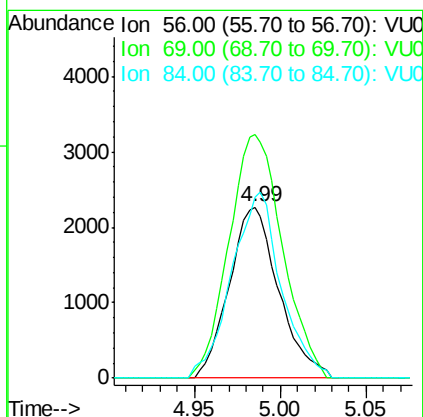
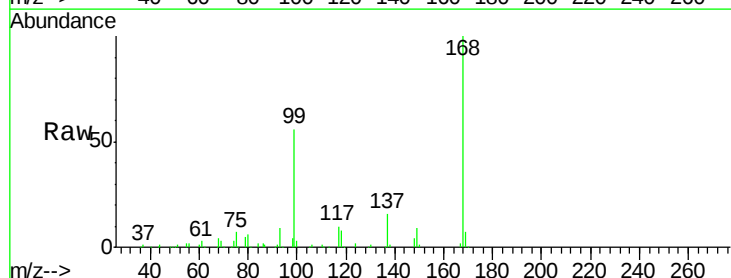
Tgt Ion: 56 Resp: 4534

Ion Ratio Lower Upper

56 100

69 142.5 24.8 37.2#

84 106.1 65.2 97.8#

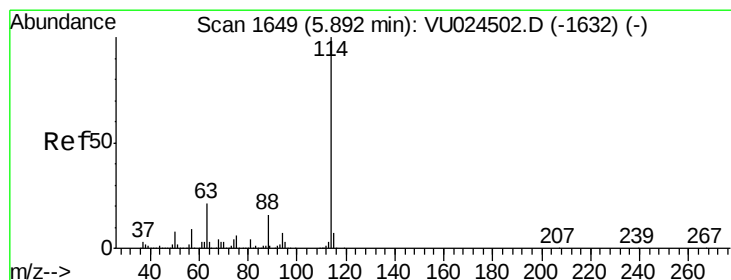
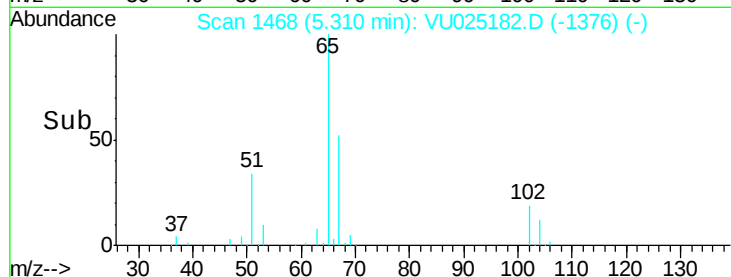
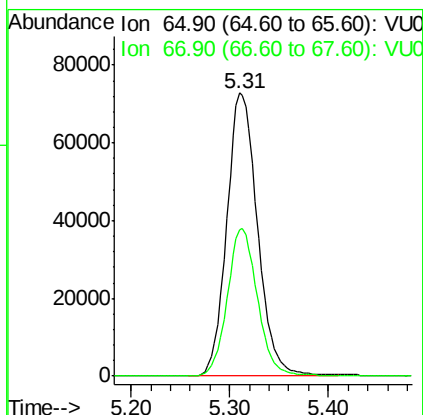
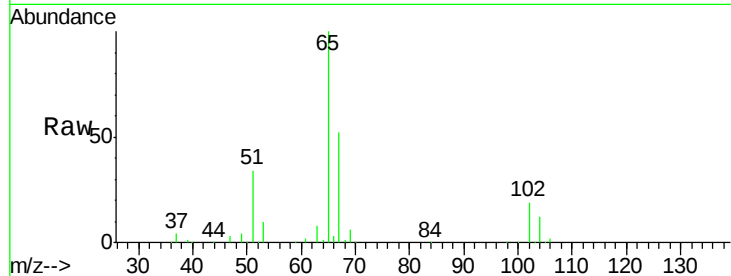




#33
 1,2-Dichloroethane-d4
 Concen: 45.276 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU025182.D
 Acq: 03 Jul 2018 11:13

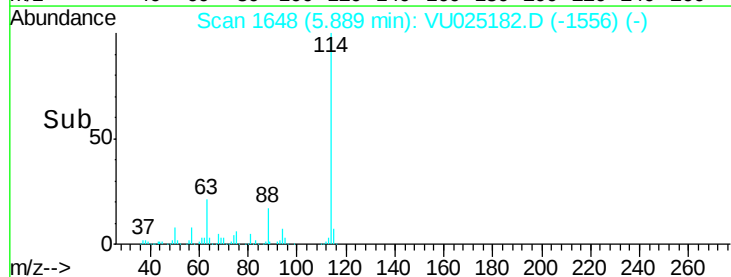
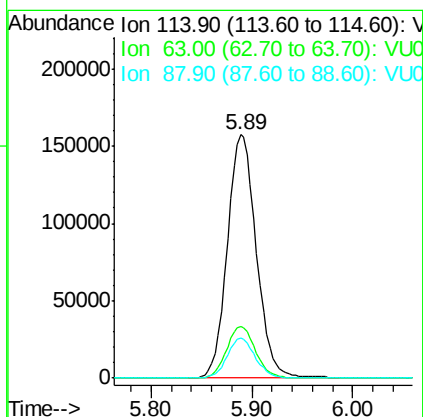
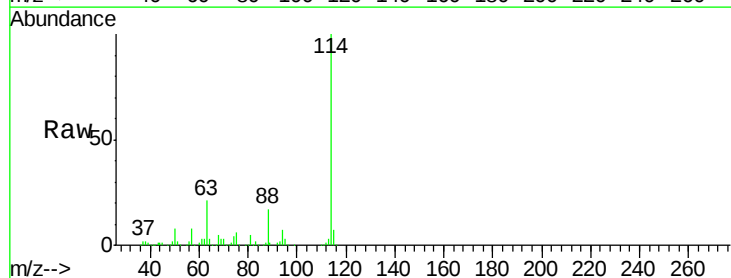
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0703WBL01

Tot Ion: 65 Resp: 158642
 Ion Ratio Lower Upper
 65 100
 67 51.1 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: VU025182.D
 Acq: 03 Jul 2018 11:13

Tgt Ion: 114 Resp: 315660
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 45.4
 88 16.7 0.0 31.0

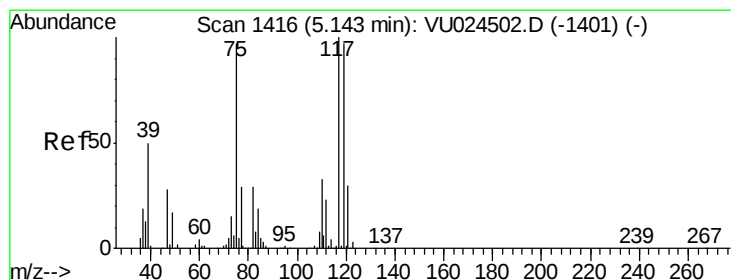
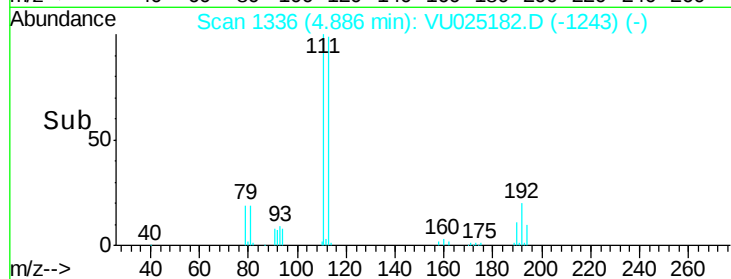
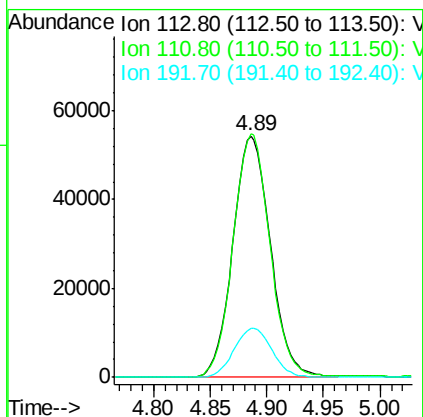
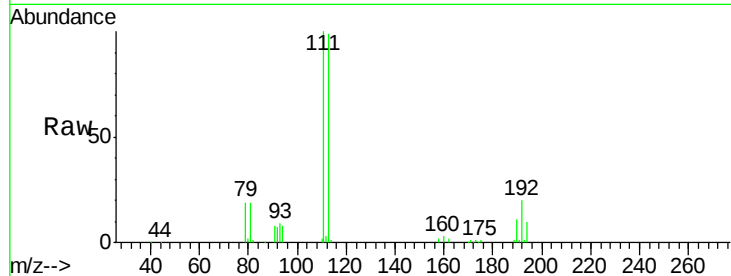




#35
 Dibromofluoromethane
 Concen: 47.884 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025182.D
 Acq: 03 Jul 2018 11:13

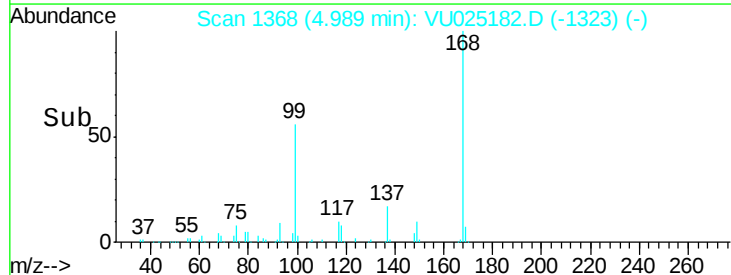
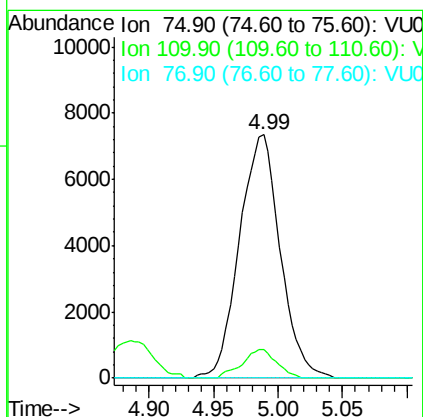
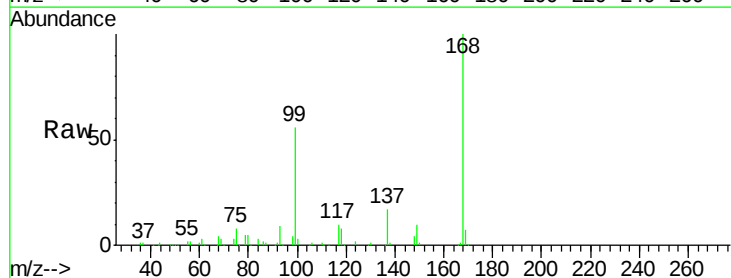
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0703WBL01

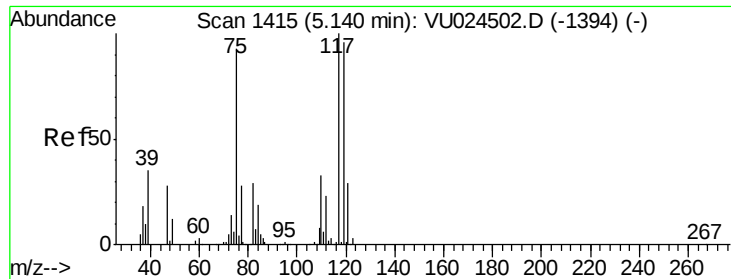
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.4	82.2	123.4
192	20.6	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.357 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025182.D
 Acq: 03 Jul 2018 11:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	17.0	50.9#
77	0.0	24.2	36.4#

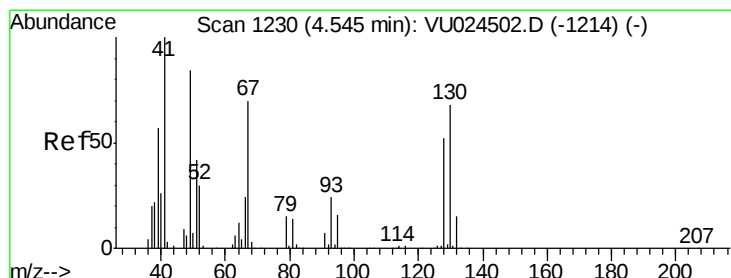
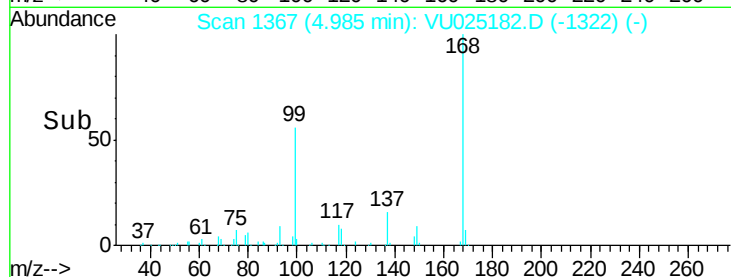
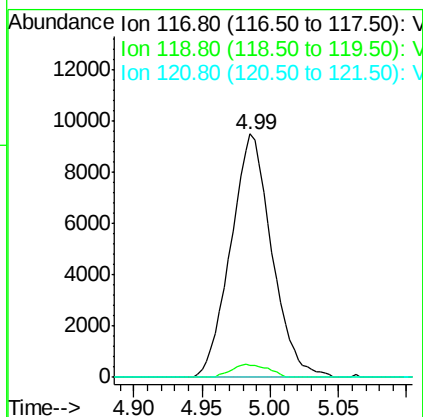
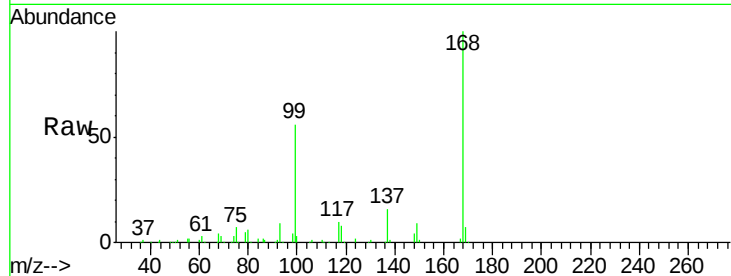




#38
Carbon Tetrachloride
Concen: 4.877 ug/l
RT: 4.99 min Scan# 1367
Delta R.T. -0.15 min
Lab File: VU025182.D
Acq: 03 Jul 2018 11:13

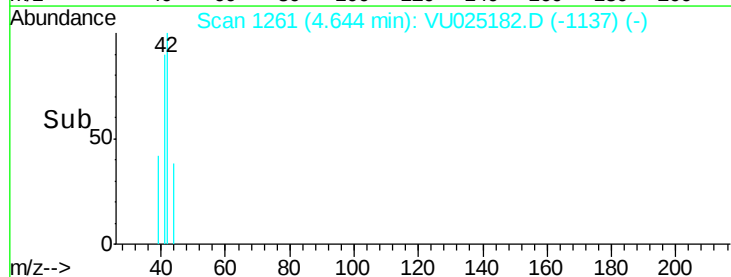
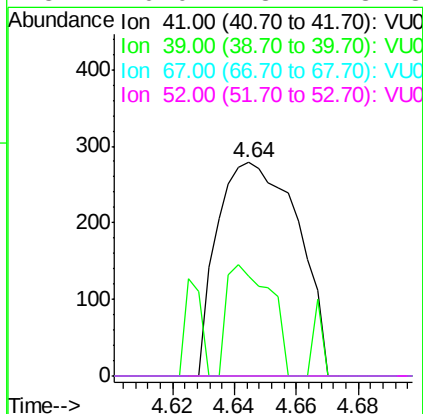
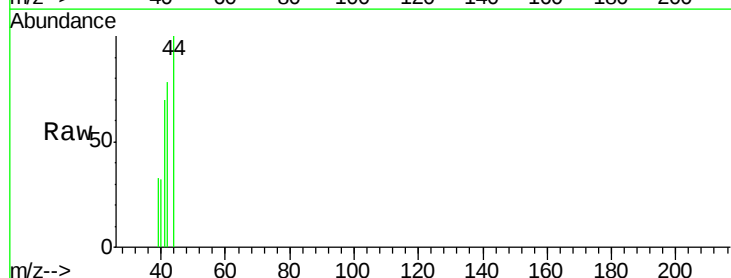
Instrument :
MSVOA_U
ClientSampleId :
VU0703WBL01

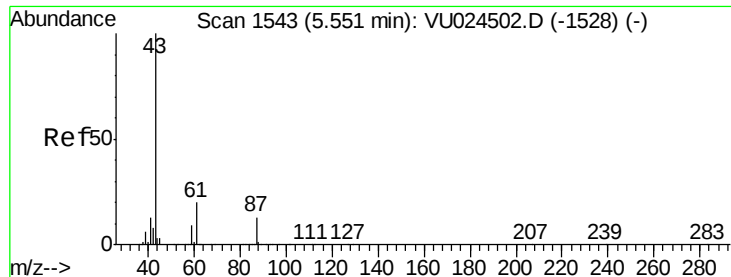
Tot Ion:117 Resp: 19891
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 23.7 35.5#



#41
Methacrylonitrile
Concen: 0.232 ug/l
RT: 4.64 min Scan# 1261
Delta R.T. 0.10 min
Lab File: VU025182.D
Acq: 03 Jul 2018 11:13

Tgt Ion: 41 Resp: 506
Ion Ratio Lower Upper
41 100
39 28.5 43.8 65.6#
67 0.0 56.3 84.5#
52 0.0 23.2 34.8#





#43

Isopropyl Acetate

Concen: 0.241 ug/l

RT: 5.83 min Scan# 1630

Delta R.T. 0.28 min

Lab File: VU025182.D

Acq: 03 Jul 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

VU0703WBL01

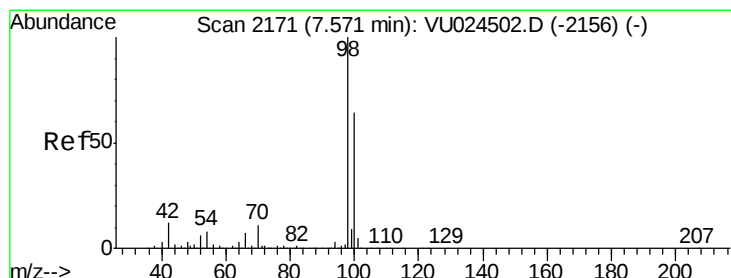
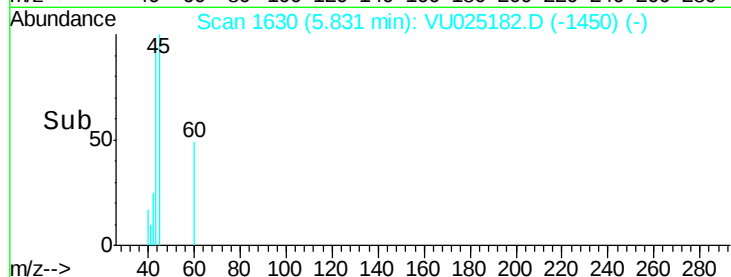
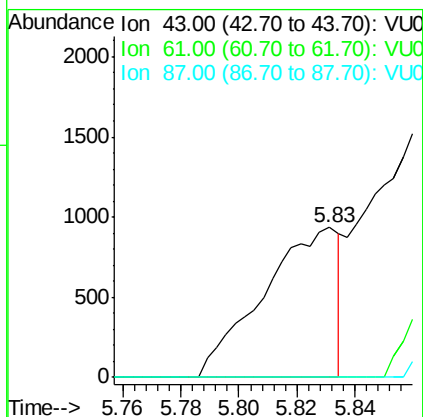
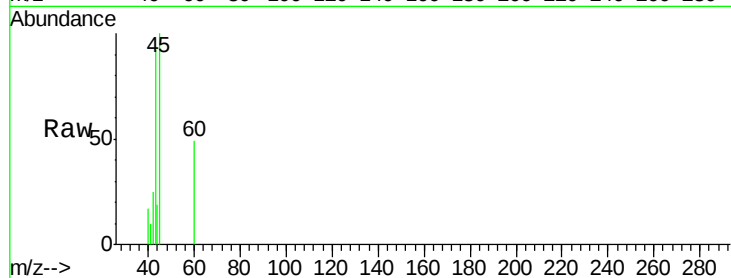
Tot Ion: 43 Resp: 1686

Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.0#

87 0.0 10.0 15.0#



#50

Toluene-d8

Concen: 47.105 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025182.D

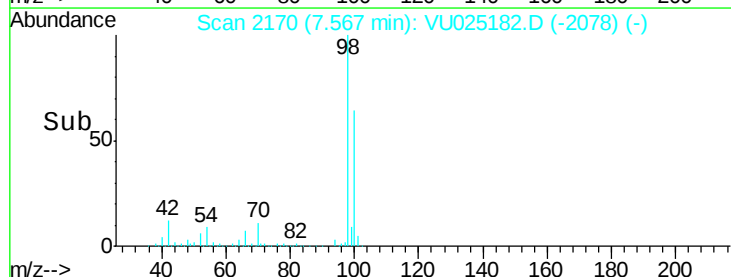
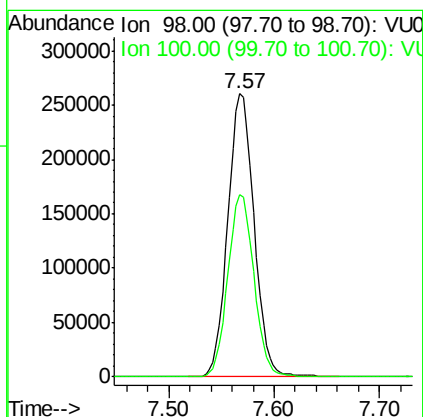
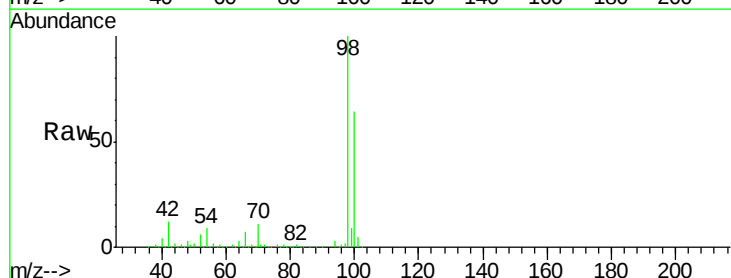
Acq: 03 Jul 2018 11:13

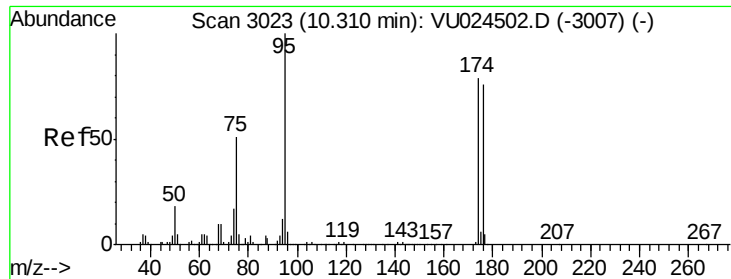
Tgt Ion: 98 Resp: 450121

Ion Ratio Lower Upper

98 100

100 64.1 51.1 76.7

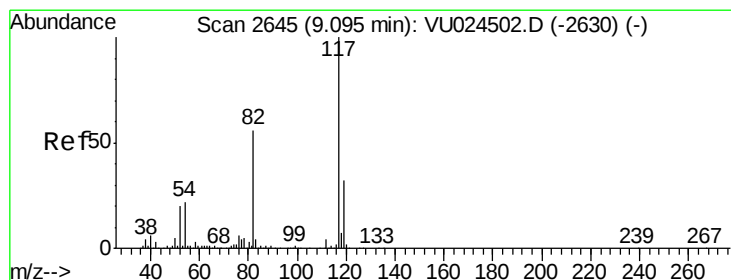
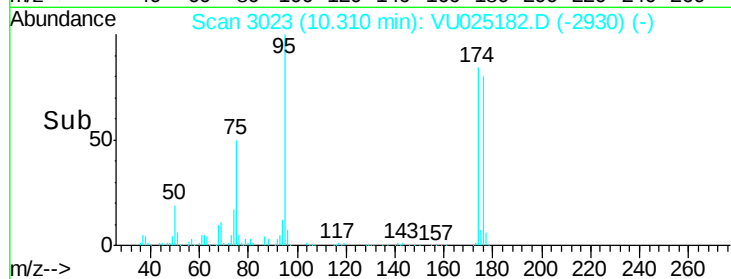
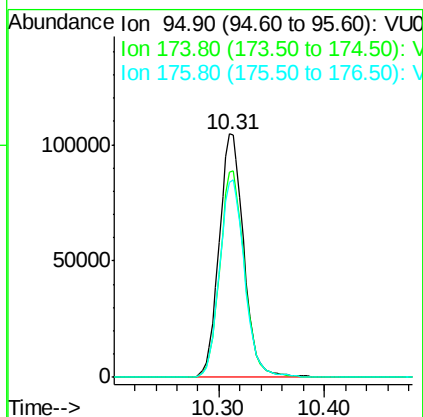
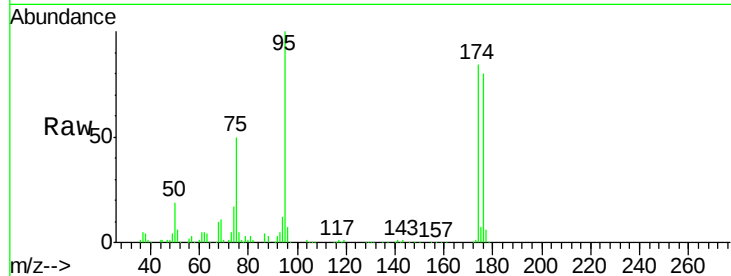




#62
4-Bromofluorobenzene
Concen: 44.483 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025182.D
Acq: 03 Jul 2018 11:13

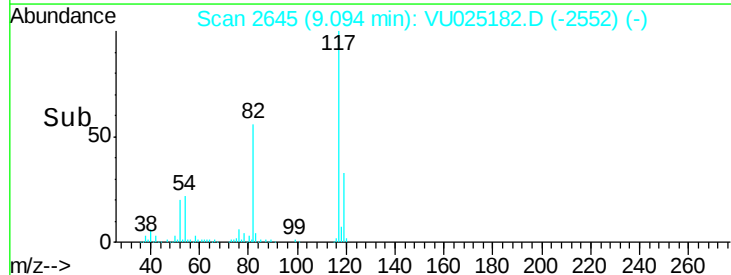
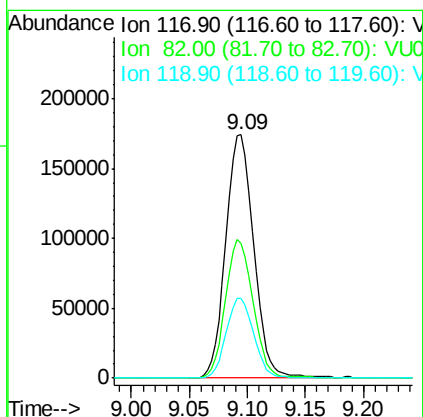
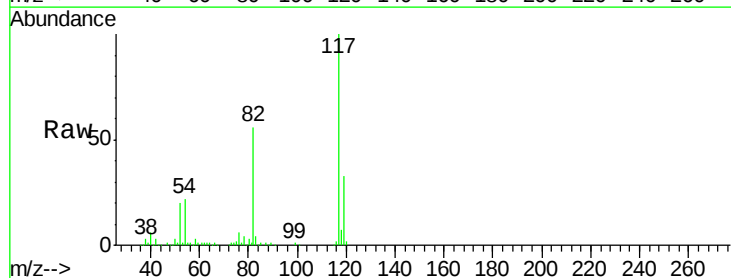
Instrument :
MSVOA_U
ClientSampleId :
VU0703WBL01

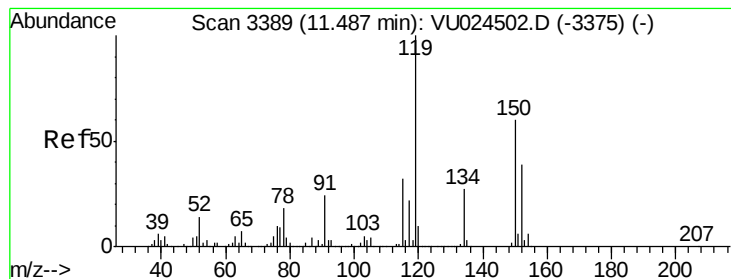
Tot Ion	95	Resp	168768
Ion Ratio	Lower	Upper	
95	100		
174	84.6	0.0	165.8
176	82.5	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025182.D
Acq: 03 Jul 2018 11:13

Tgt Ion	117	Resp	291519
Ion Ratio	Lower	Upper	
117	100		
82	55.6	44.3	66.5
119	32.9	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: VU025182.D

Acq: 03 Jul 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

VU0703WBL01

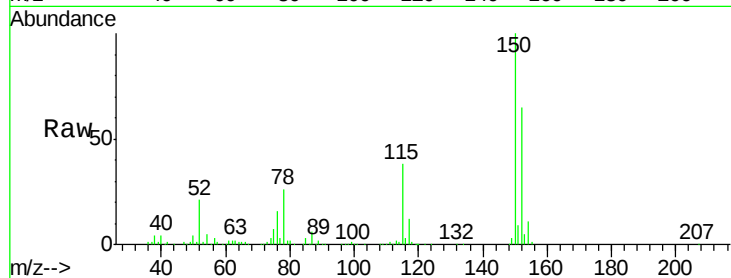
Tot Ion:152 Resp: 152874

Ion Ratio Lower Upper

152 100

115 57.7 43.0 129.0

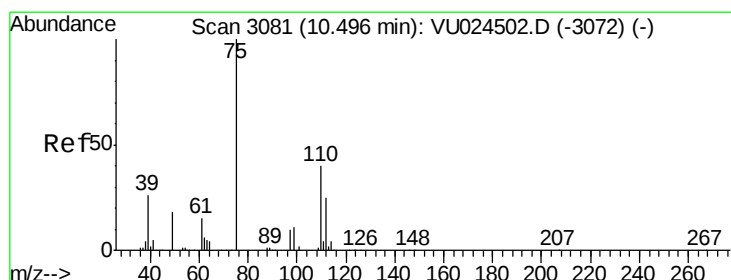
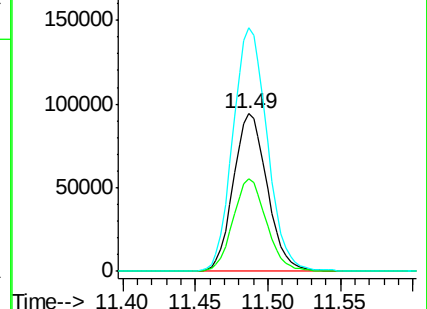
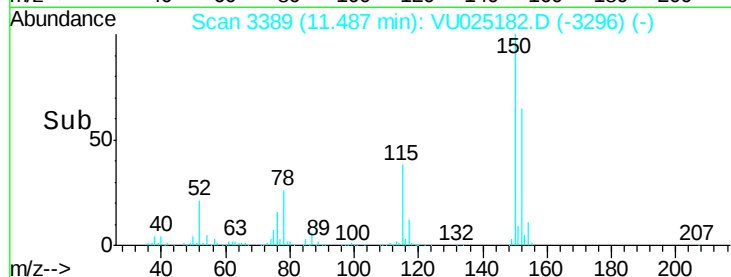
150 156.0 0.0 354.0



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: 25.668 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025182.D

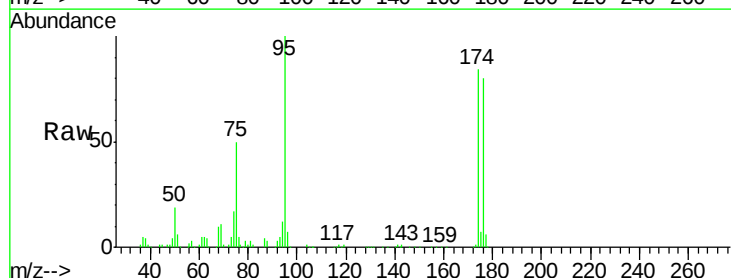
Acq: 03 Jul 2018 11:13

Tgt Ion: 75 Resp: 86391

Ion Ratio Lower Upper

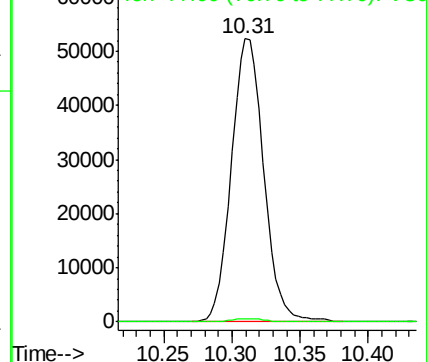
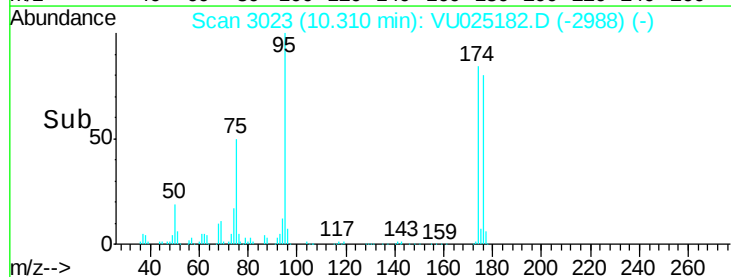
75 100

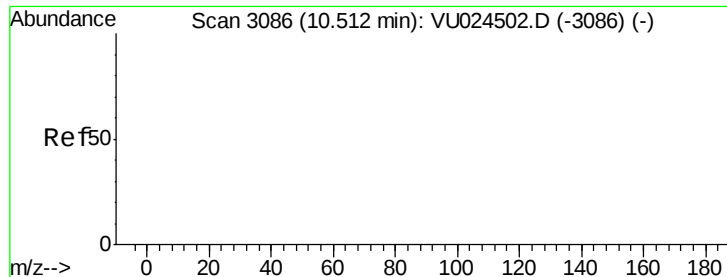
77 1.1 20.9 62.7#



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: 59.406 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025182.D

Acq: 03 Jul 2018 11:13

Instrument :

MSVOA_U

ClientSampled :

VU0703WBL01

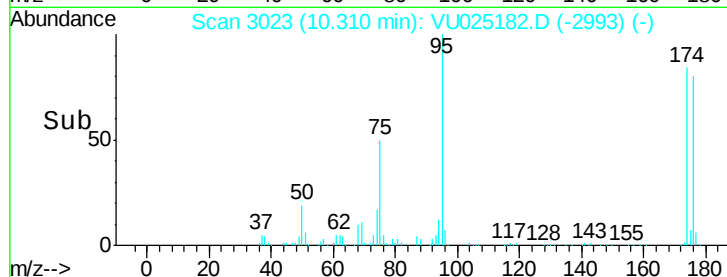
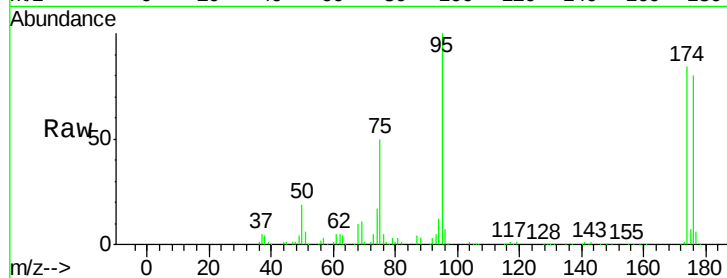
Tot Ion: 75 Resp: 86391

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

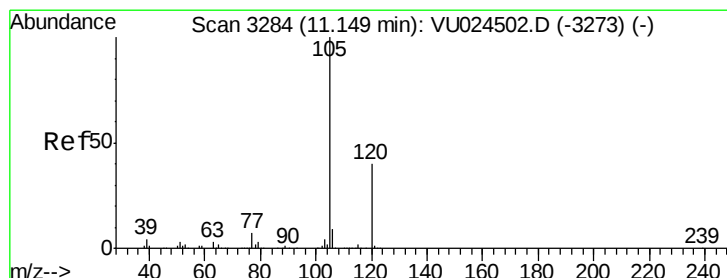
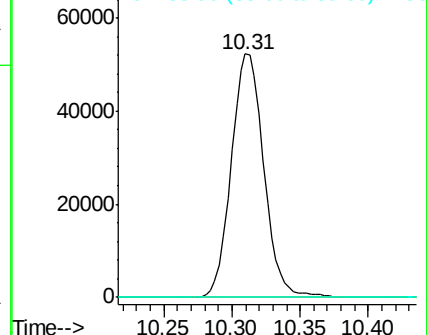
89 0.0 0.0 0.0



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



#84

1,2,4-Trimethylbenzene

Concen: 0.216 ug/l

RT: 11.16 min Scan# 3287

Delta R.T. 0.01 min

Lab File: VU025182.D

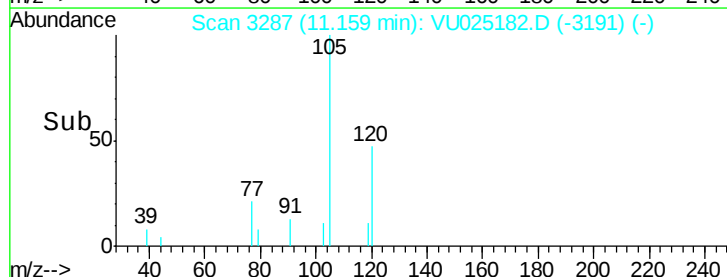
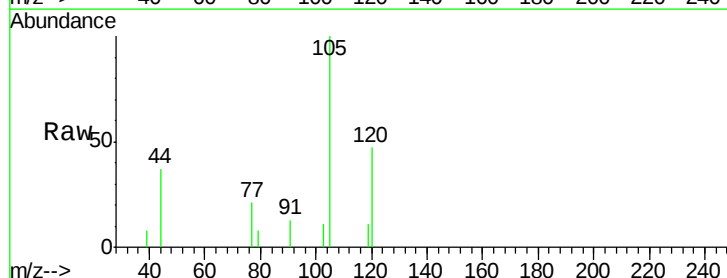
Acq: 03 Jul 2018 11:13

Tgt Ion: 105 Resp: 2238

Ion Ratio Lower Upper

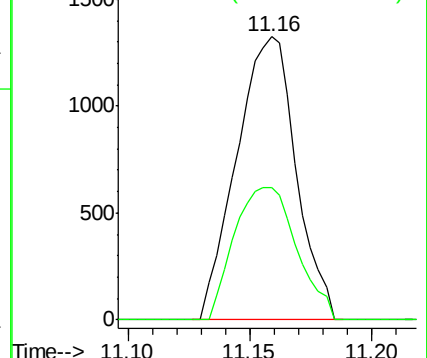
105 100

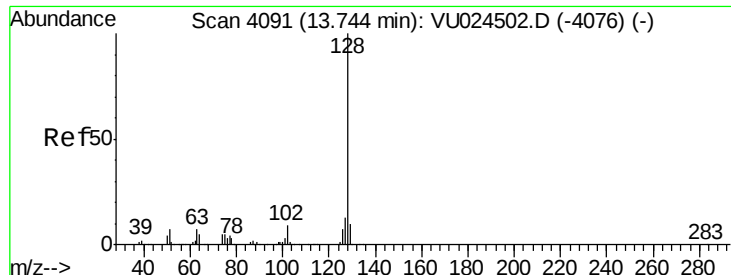
120 49.0 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 1.017 ug/l

RT: 13.76 min Scan# 4095

Delta R.T. 0.01 min

Lab File: VU025182.D

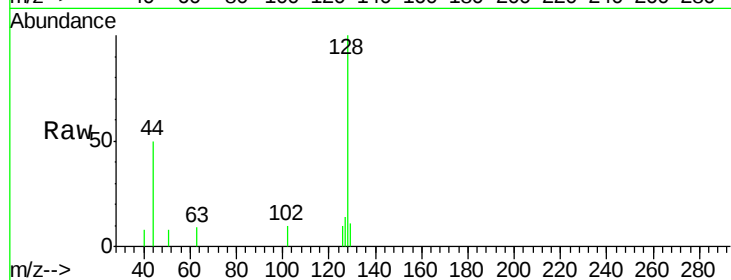
Acq: 03 Jul 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

VU0703WBL01



Tot Ion:128 Resp: 3849

Ion Ratio Lower Upper

128 100

127 10.0 10.6 16.0#

129 4.2 8.6 12.8#

