

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062518\
 Data File : VU024903.D
 Acq On : 26 Jun 2018 03:02
 Operator : MD/SY
 Sample : J3669-08ME 20X
 Misc : 5.92g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 26 05:41:47 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	227493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	347426	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	314528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	170330	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	168811	45.45	ug/l	0.00
Spiked Amount			Recovery	=	90.90%	
35) Dibromofluoromethane	4.89	113	135077	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	
50) Toluene-d8	7.57	98	496297	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	
62) 4-Bromofluorobenzene	10.31	95	184006	44.06	ug/l	0.00
Spiked Amount			Recovery	=	88.12%	

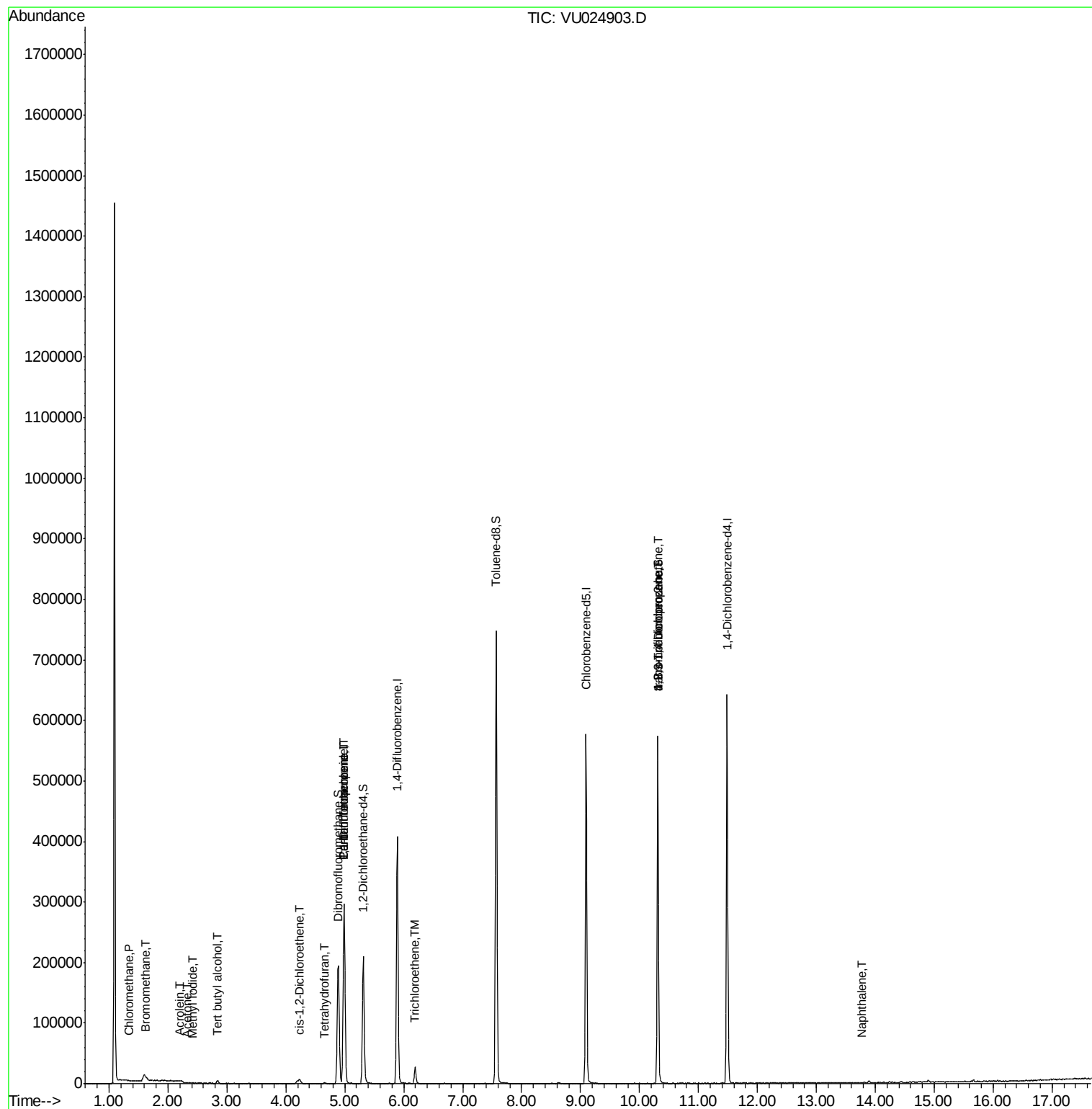
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	671	0.23	ug/l	96
5) Bromomethane	1.63	94	648	0.45	ug/l	# 51
6) Chloroethane	1.70	64	167	Below Cal	#	43
10) Methyl Iodide	2.42	142	228	5.37	ug/l	# 40
11) Tert butyl alcohol	2.84	59	2600	2.88	ug/l	# 72
13) Acrolein	2.19	56	168	0.35	ug/l	# 33
16) Acetone	2.33	43	825	0.41	ug/l	# 44
27) cis-1,2-Dichloroethene	4.24	96	2927	0.89	ug/l	91
29) Tetrahydrofuran	4.65	42	482	0.29	ug/l	# 34
31) Cyclohexane	4.99	56	4909	Below Cal	#	14
36) 1,1-Dichloropropene	4.99	75	17281	4.23	ug/l	# 50
38) Carbon Tetrachloride	4.99	117	21847	4.87	ug/l	# 16
44) Trichloroethene	6.19	130	10076	3.04	ug/l	85
76) 1,2,3-Trichloropropane	10.31	75	93485	24.93	ug/l	# 35
81) trans-1,4-Dichloro-2-buten	10.31	75	93485	57.70	ug/l	# 100
95) Naphthalene	13.76	128	185	0.69	ug/l	# 69

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

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024903.D

Acq: 26 Jun 2018 03:02

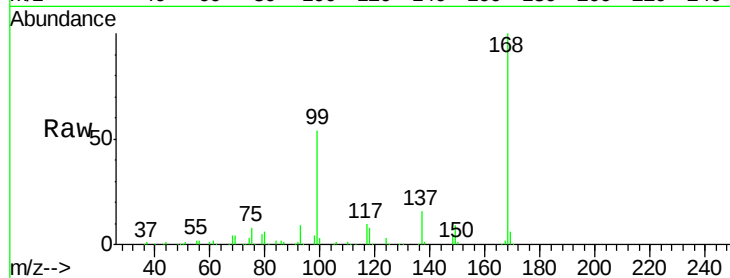
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 227493

Ion Ratio Lower Upper

168 100

99 54.4 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

120000

100000

80000

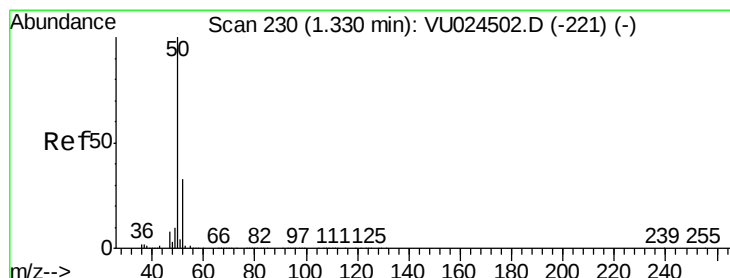
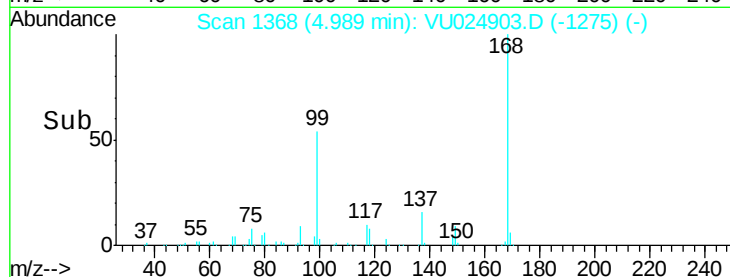
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.23 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024903.D

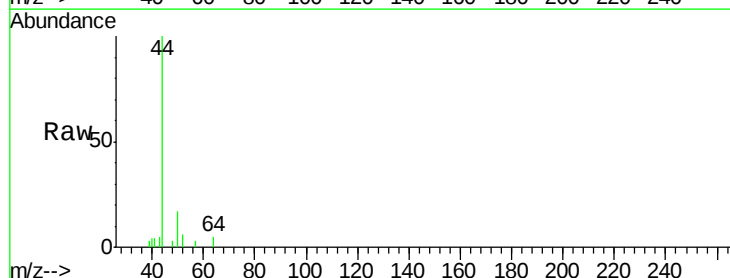
Acq: 26 Jun 2018 03:02

Tgt Ion: 50 Resp: 671

Ion Ratio Lower Upper

50 100

52 35.1 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

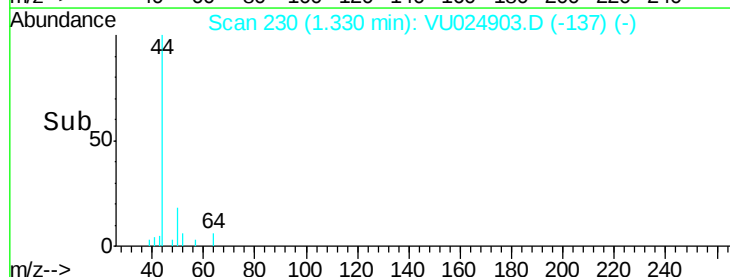
600

400

200

0

Time-->





#5

Bromomethane

Concen: 0.45 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU024903.D

Acq: 26 Jun 2018 03:02

Instrument :

MSVOA_U

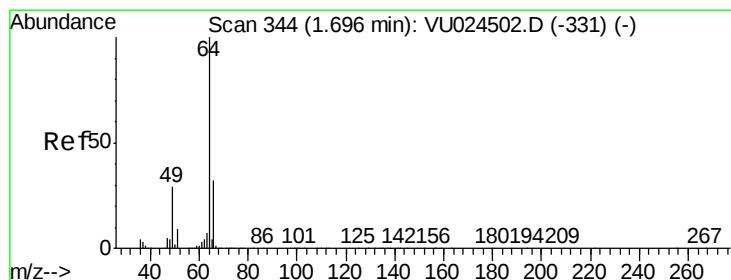
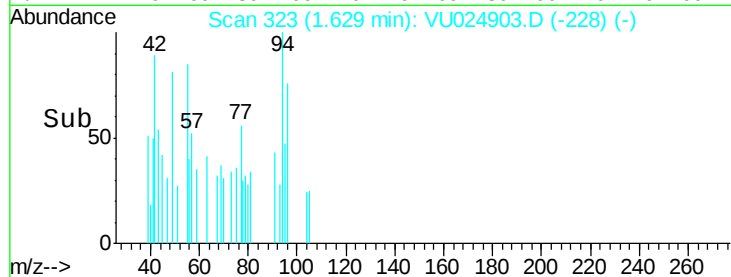
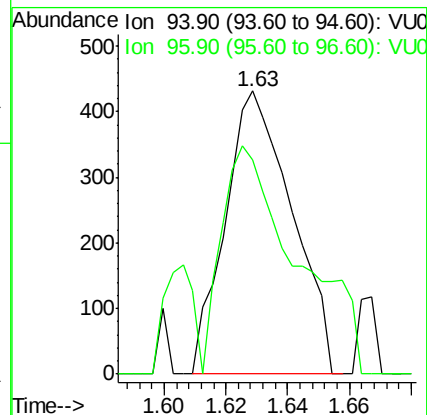
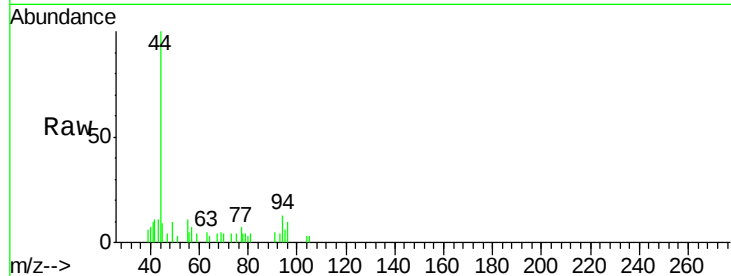
ClientSampled :

Tot Ion: 94 Resp: 648

Ion Ratio Lower Upper

94 100

96 46.3 74.5 111.7#



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU024903.D

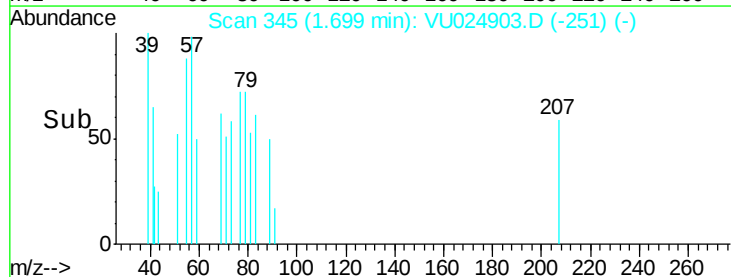
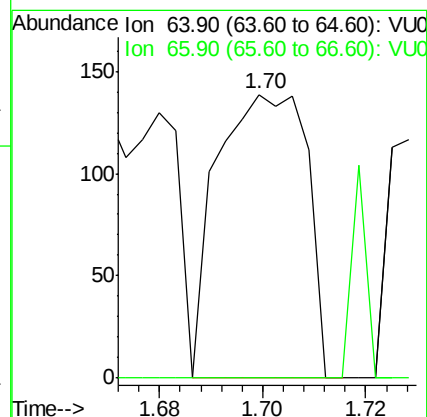
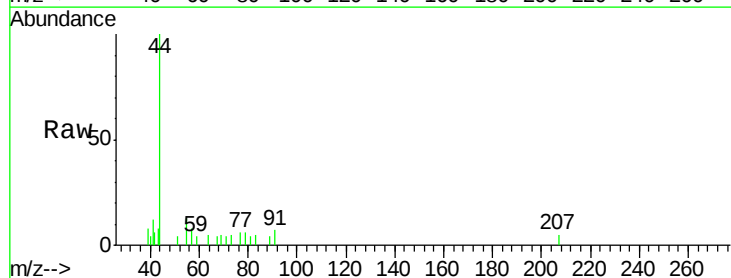
Acq: 26 Jun 2018 03:02

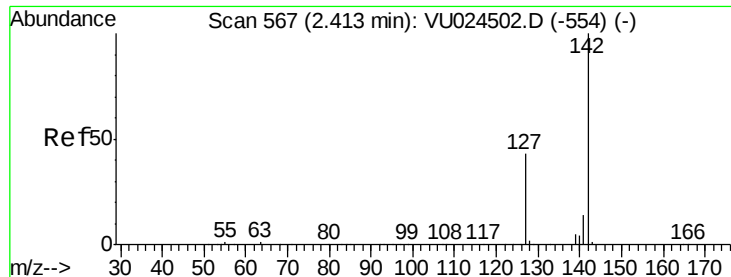
Tgt Ion: 64 Resp: 167

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#

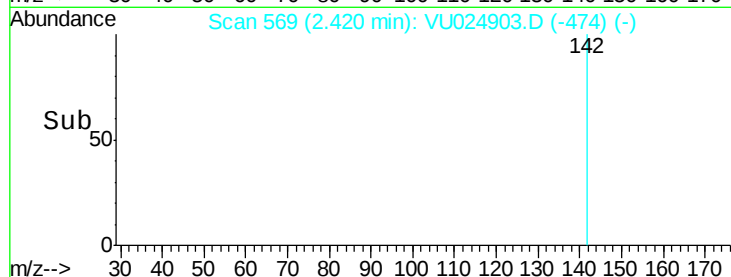
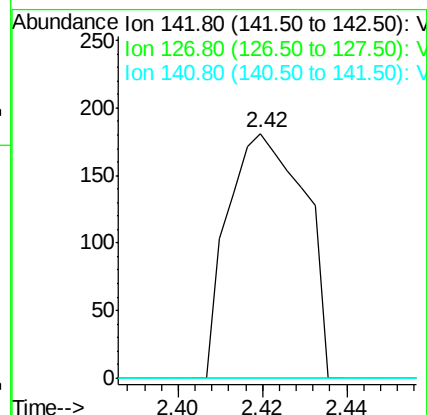
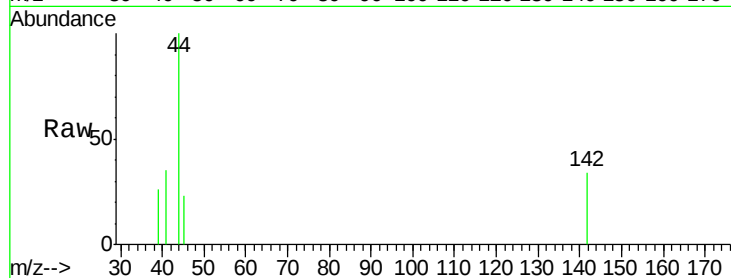




#10
Methvl Iodide
Concen: 5.37 ug/l
RT: 2.42 min Scan# 569
Delta R.T. 0.01 min
Lab File: VU024903.D
Acq: 26 Jun 2018 03:02

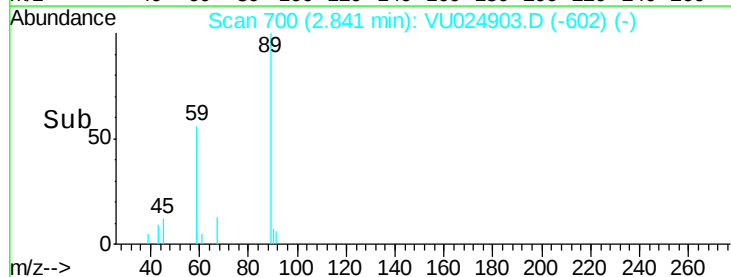
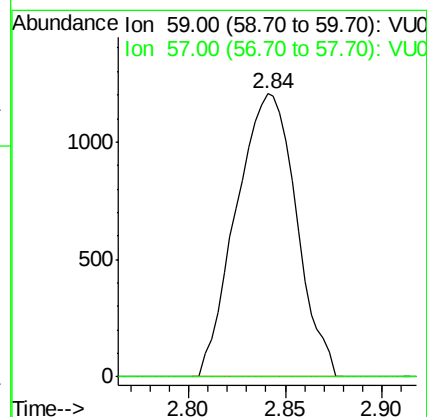
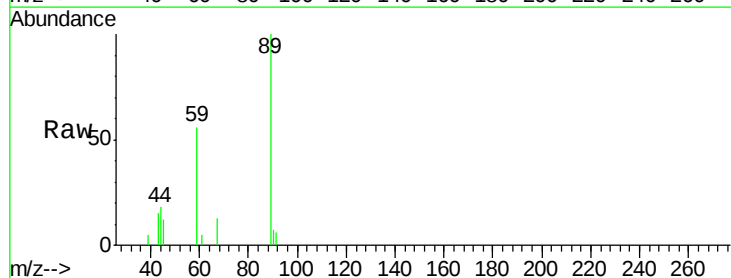
Instrument :
MSVOA_U
ClientSampleId :

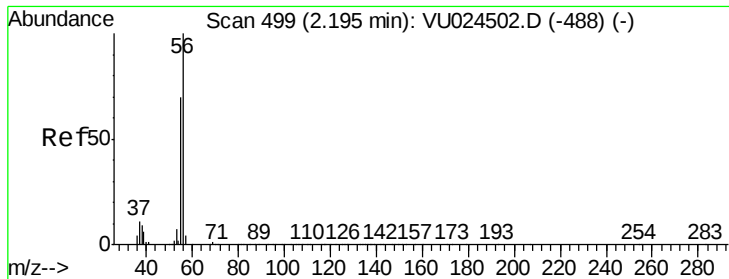
Tot Ion:142 Resp: 228
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 2.88 ug/l
RT: 2.84 min Scan# 700
Delta R.T. 0.02 min
Lab File: VU024903.D
Acq: 26 Jun 2018 03:02

Tgt Ion: 59 Resp: 2600
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

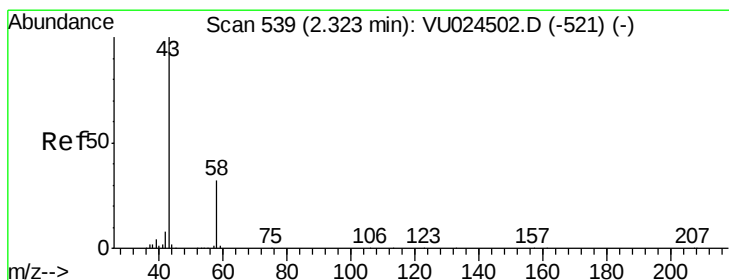
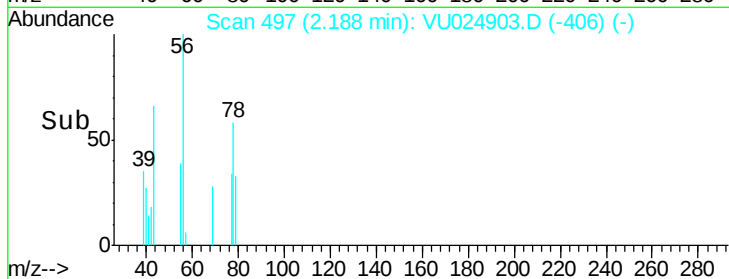
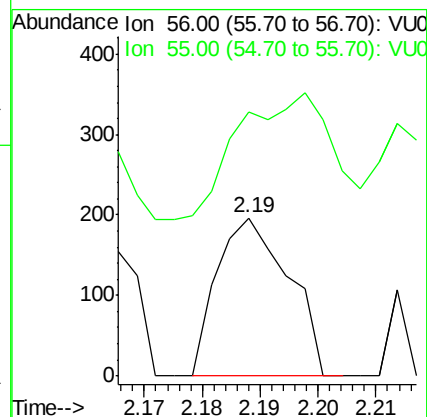
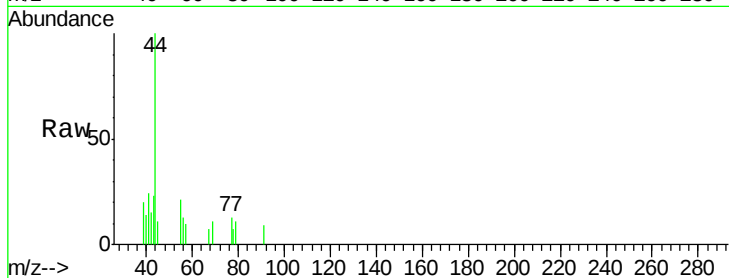




#13
Acrolein
Concen: 0.35 ug/l
RT: 2.19 min Scan# 497
Delta R.T. -0.01 min
Lab File: VU024903.D
Acq: 26 Jun 2018 03:02

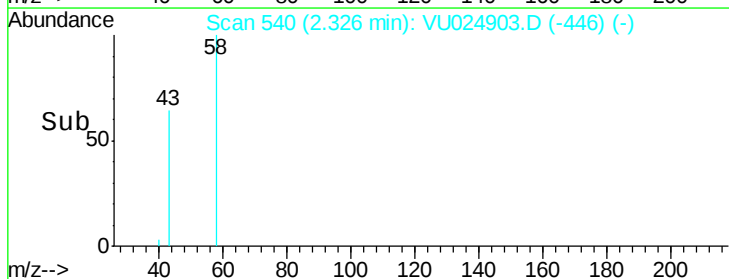
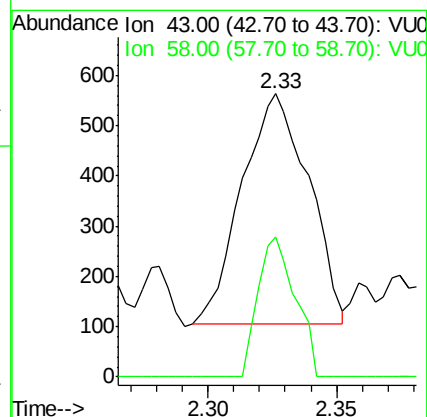
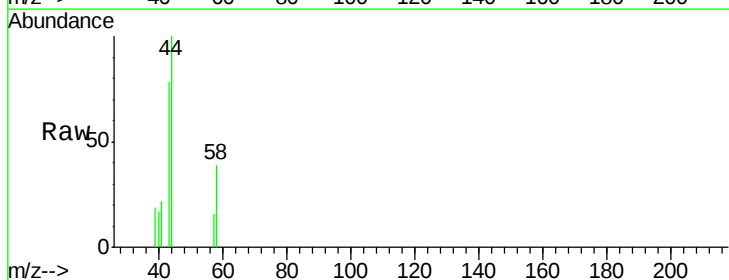
Instrument :
MSVOA_U
ClientSampleId :

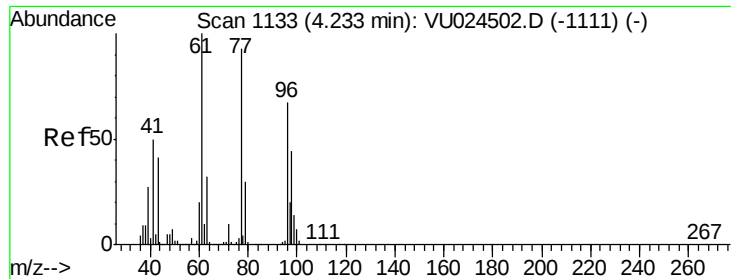
Tot Ion: 56 Resp: 168
Ion Ratio Lower Upper
56 100
55 129.2 58.4 87.6#



#16
Acetone
Concen: 0.41 ug/l
RT: 2.33 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU024903.D
Acq: 26 Jun 2018 03:02

Tgt Ion: 43 Resp: 825
Ion Ratio Lower Upper
43 100
58 61.1 24.4 36.6#

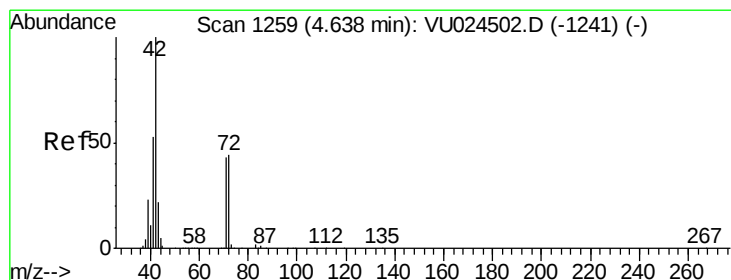
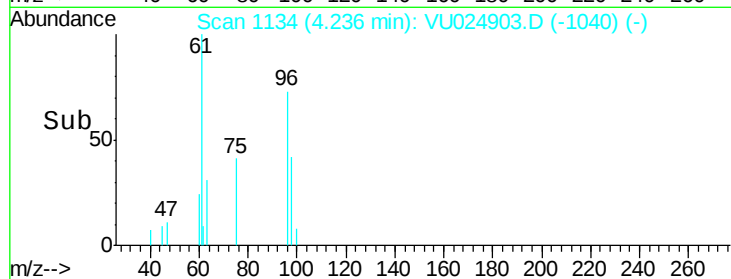
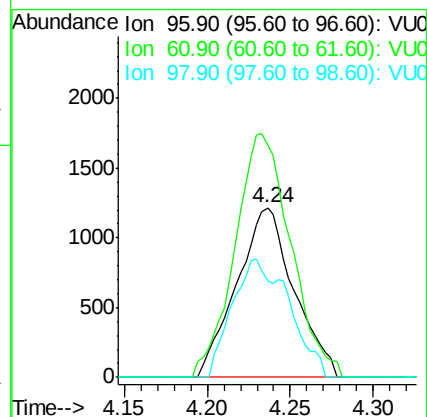
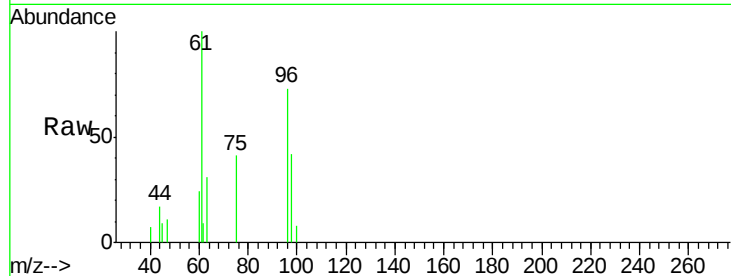




#27
 cis-1,2-Dichloroethene
 Concen: 0.89 ug/l
 RT: 4.24 min Scan# 1134
 Delta R.T. 0.00 min
 Lab File: VU024903.D
 Acq: 26 Jun 2018 03:02

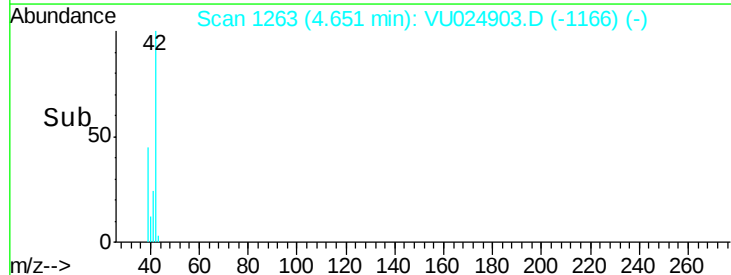
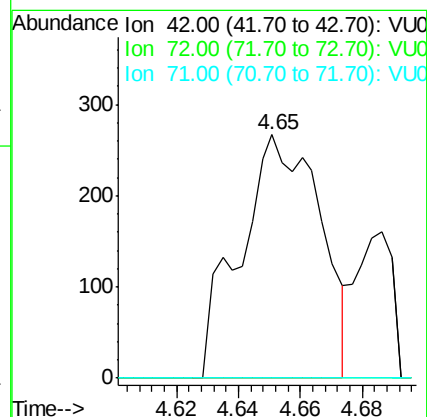
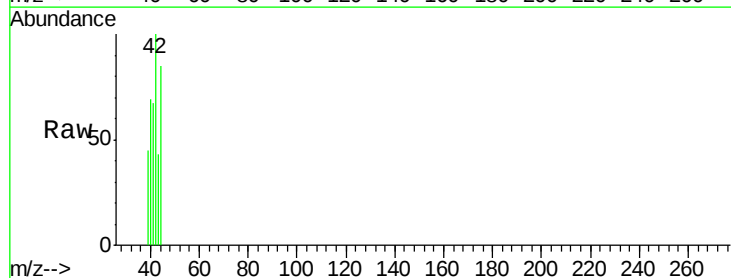
Instrument :
 MSVOA_U
 ClientSampled :

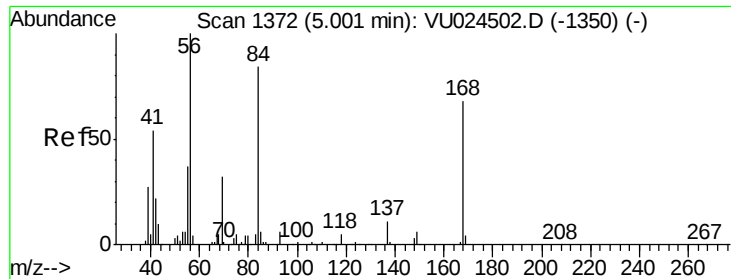
Tot Ion	96	Resp	2927
Ion	Ratio	Lower	Upper
96	100		
61	139.7	0.0	306.6
98	69.1	0.0	128.8



#29
 Tetrahydrofuran
 Concen: 0.29 ug/l
 RT: 4.65 min Scan# 1263
 Delta R.T. 0.01 min
 Lab File: VU024903.D
 Acq: 26 Jun 2018 03:02

Tgt Ion	42	Resp	482
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.5	51.7#
71	0.0	32.2	48.4#

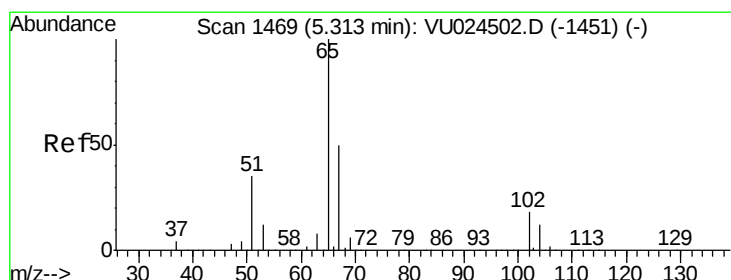
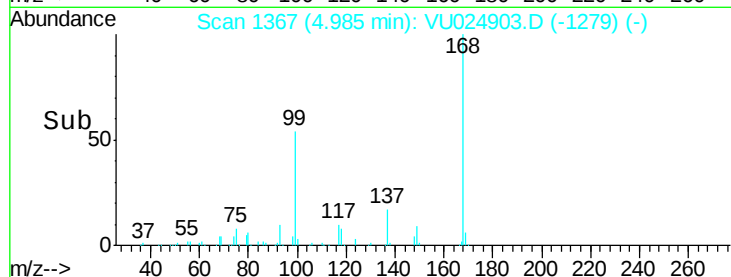
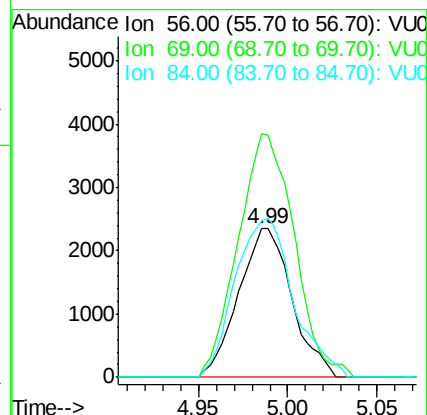
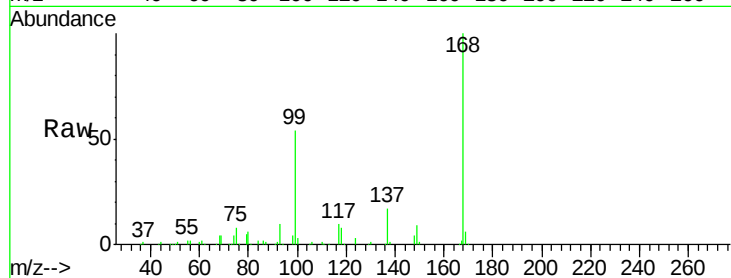




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU024903.D
Acq: 26 Jun 2018 03:02

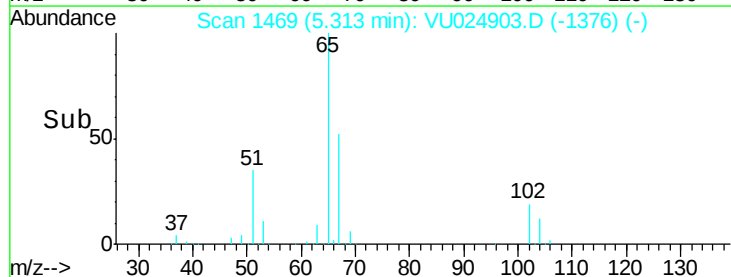
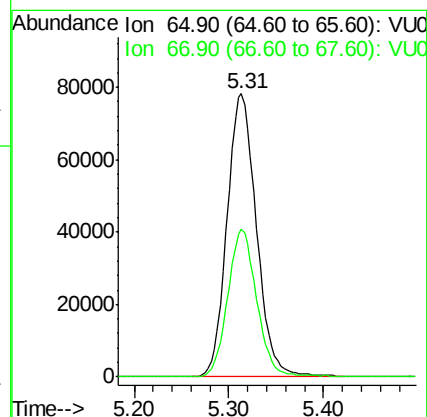
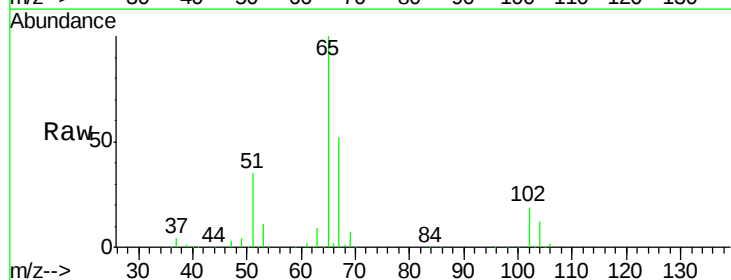
Instrument :
MSVOA_U
ClientSampleId :

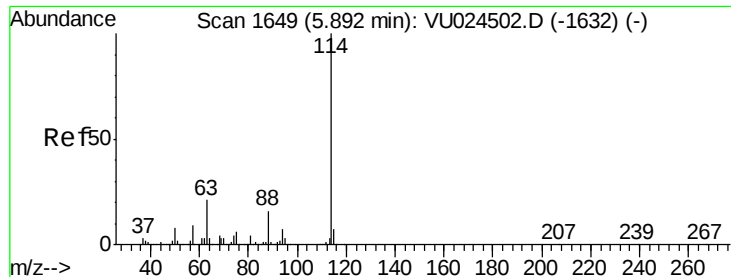
Tot Ion: 56 Resp: 4909
Ion Ratio Lower Upper
56 100
69 164.0 24.8 37.2#
84 105.2 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 45.45 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU024903.D
Acq: 26 Jun 2018 03:02

Tgt Ion: 65 Resp: 168811
Ion Ratio Lower Upper
65 100
67 51.3 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU024903.D

Acq: 26 Jun 2018 03:02

Instrument :
MSVOA_U
ClientSampleId :

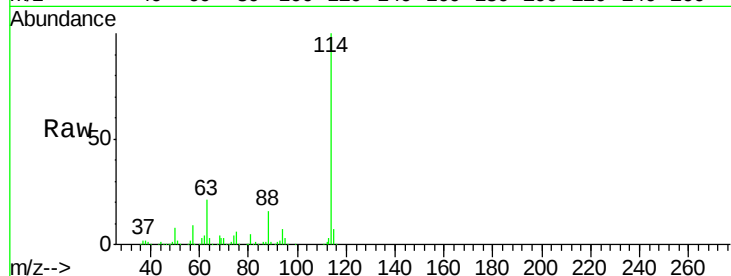
Tot Ion:114 Resp: 347426

Ion Ratio Lower Upper

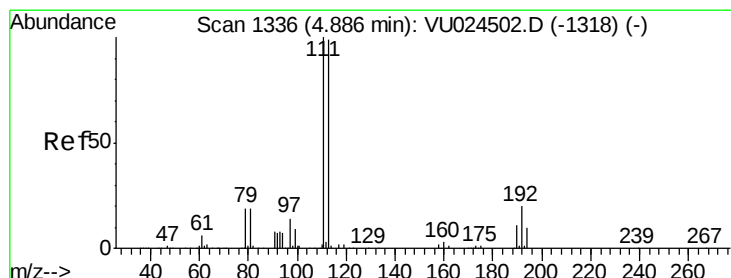
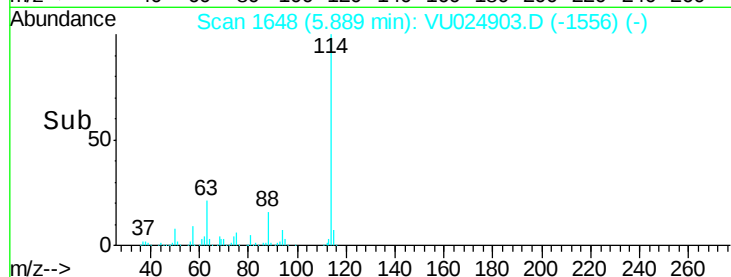
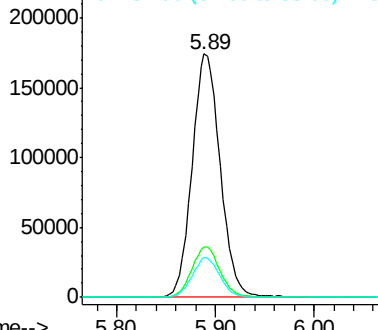
114 100

63 20.8 0.0 45.4

88 16.3 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VU0
Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 46.85 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024903.D

Acq: 26 Jun 2018 03:02

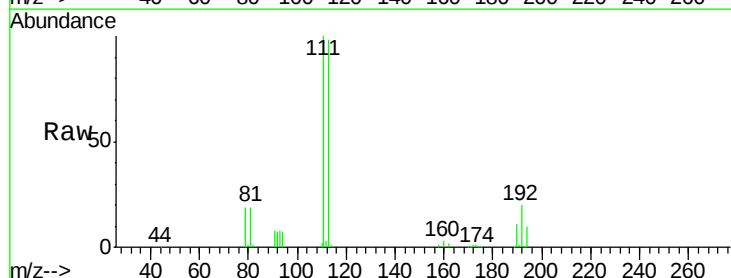
Tgt Ion:113 Resp: 135077

Ion Ratio Lower Upper

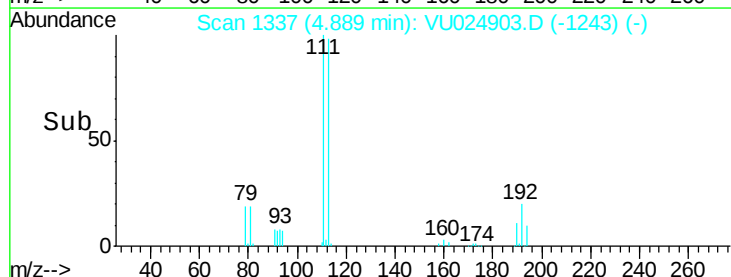
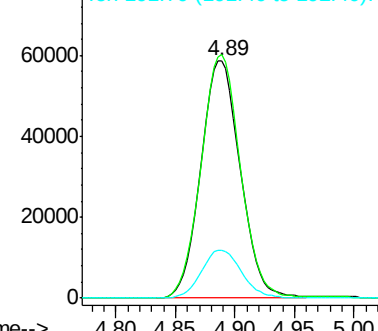
113 100

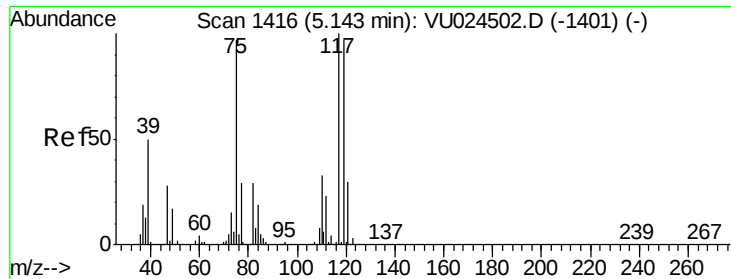
111 102.2 82.2 123.4

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

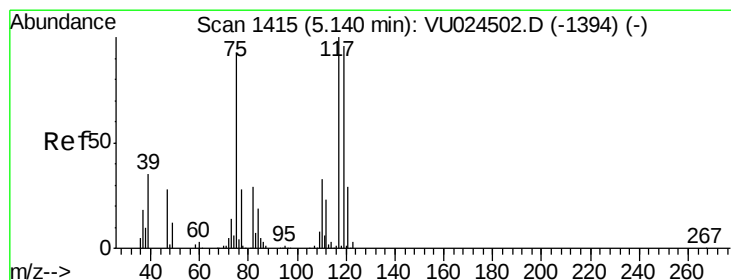
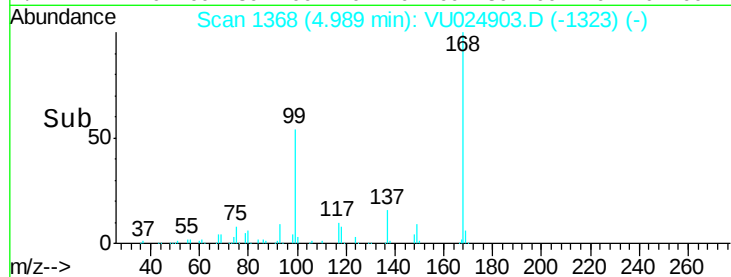
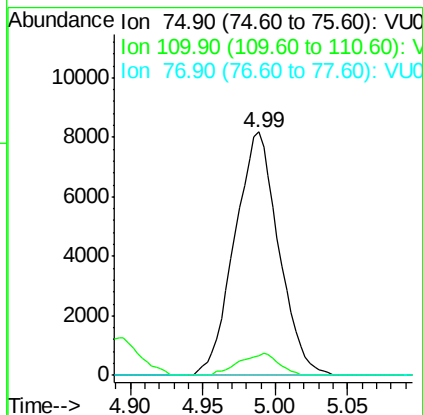
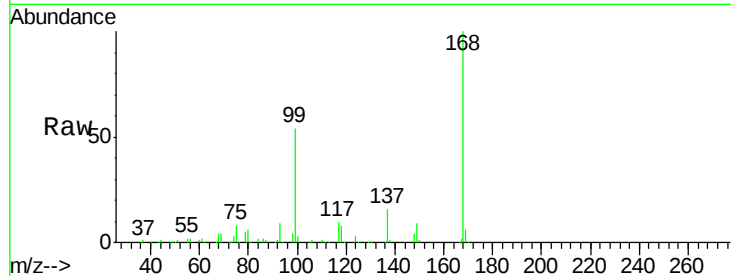




#36
 1,1-Dichloropropene
 Concen: 4.23 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024903.D
 Acq: 26 Jun 2018 03:02

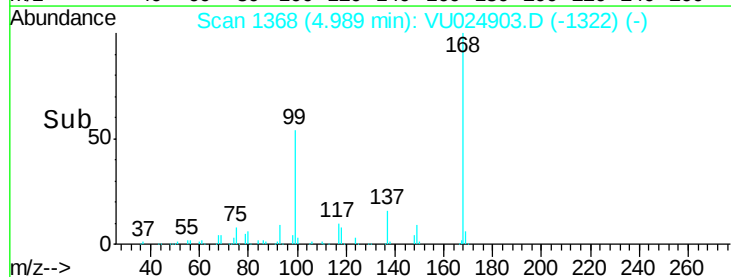
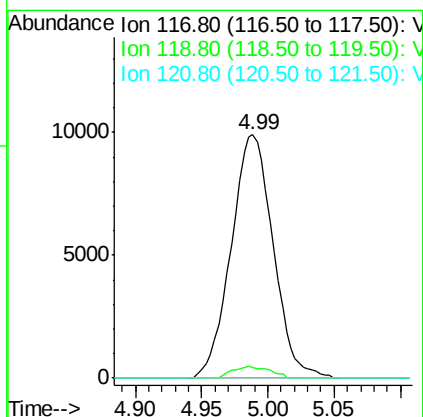
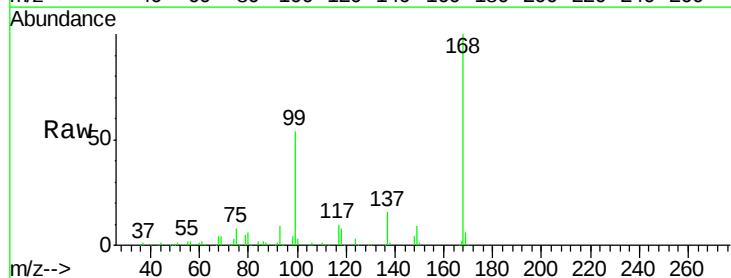
Instrument :
 MSVOA_U
 ClientSampled :

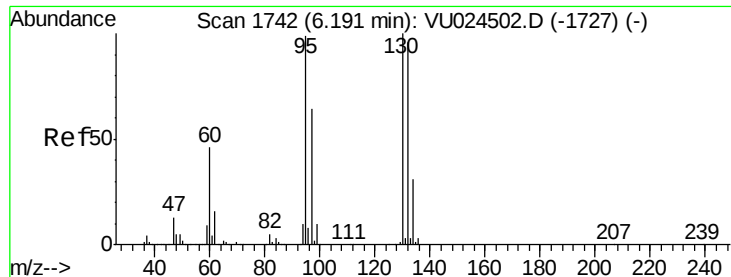
Tot Ion: 75 Resp: 17281
 Ion Ratio Lower Upper
 75 100
 110 8.2 17.0 50.9#
 77 0.0 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 4.87 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024903.D
 Acq: 26 Jun 2018 03:02

Tgt Ion: 117 Resp: 21847
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.1 114.1#
 121 0.0 23.7 35.5#





#44

Trichloroethene

Concen: 3.04 ug/l

RT: 6.19 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VU024903.D

Acq: 26 Jun 2018 03:02

Instrument :

MSVOA_U

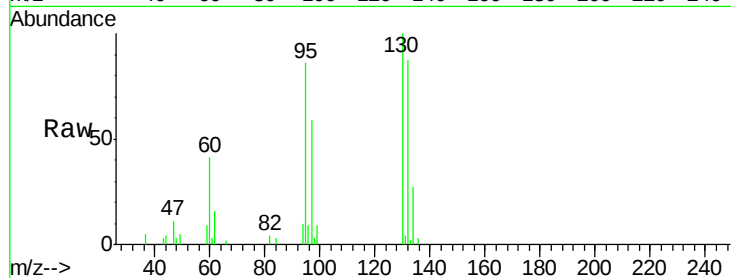
ClientSampleId :

Tot Ion:130 Resp: 10076

Ion Ratio Lower Upper

130 100

95 86.0 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

6.19

6000

5000

4000

3000

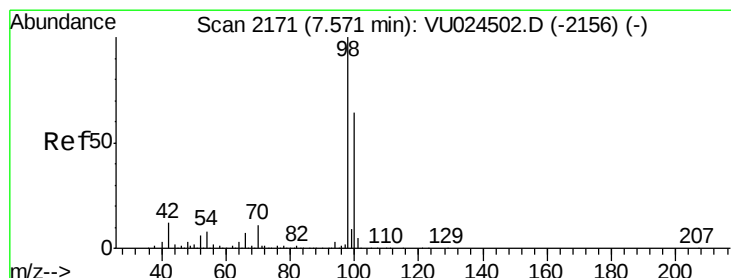
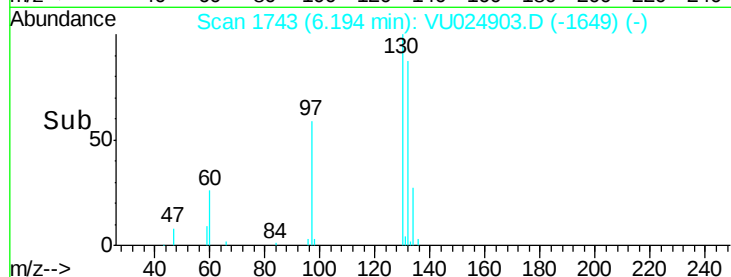
2000

1000

0

Time-->

6.15 6.20 6.25



#50

Toluene-d8

Concen: 47.19 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024903.D

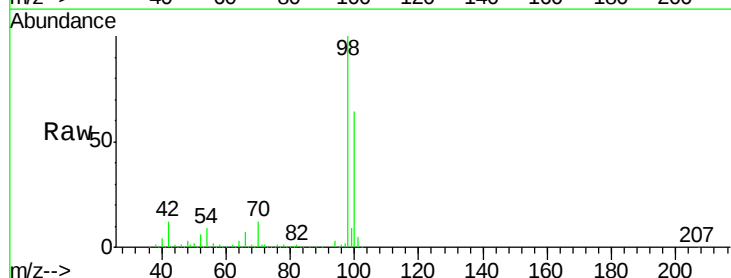
Acq: 26 Jun 2018 03:02

Tgt Ion: 98 Resp: 496297

Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

7.57

300000

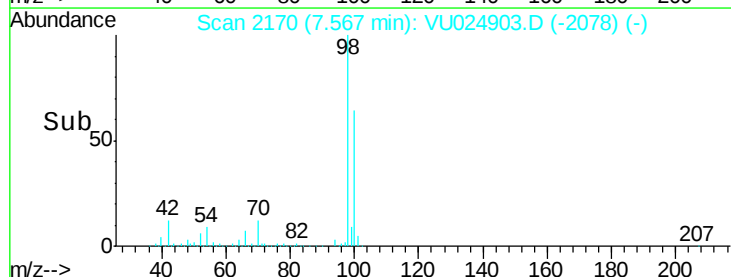
200000

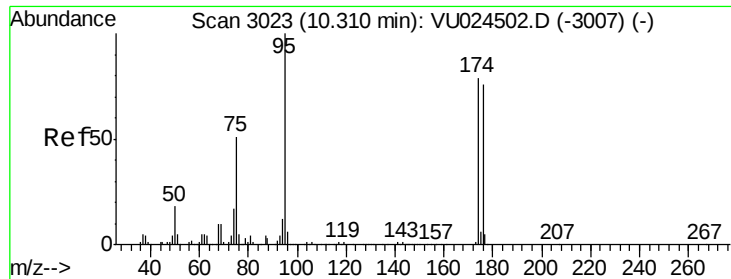
100000

0

Time-->

7.50 7.55 7.60 7.65 7.70





#62

4-Bromofluorobenzene

Concen: 44.06 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024903.D

Acq: 26 Jun 2018 03:02

Instrument :

MSVOA_U

ClientSampleId :

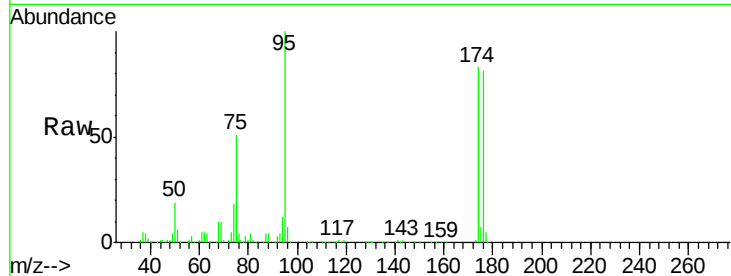
Tot Ion: 95 Resp: 184006

Ion Ratio Lower Upper

95 100

174 84.3 0.0 165.8

176 81.9 0.0 159.4

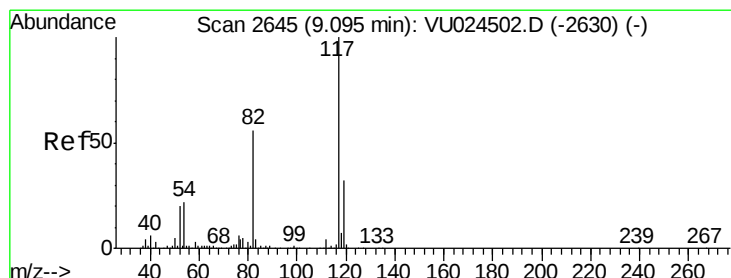
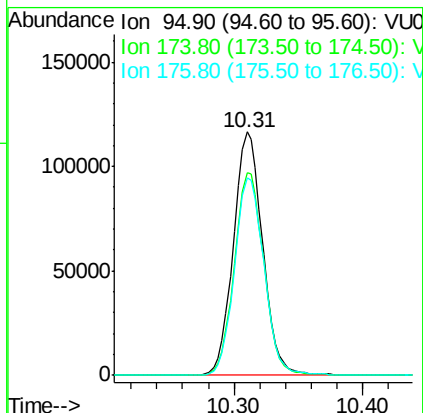
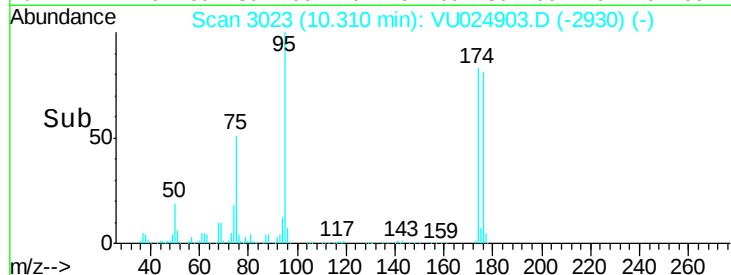


Abundance Ion 94.90 (94.60 to 95.60): VU024502.D (-3007) (-)

Ion 173.80 (173.50 to 174.50): VU024502.D (-3007) (-)

Ion 175.80 (175.50 to 176.50): VU024502.D (-3007) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU024903.D

Acq: 26 Jun 2018 03:02

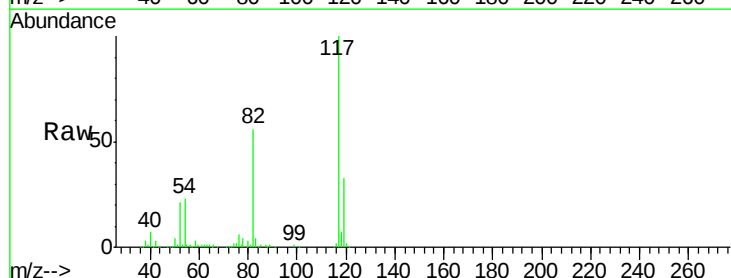
Tgt Ion: 117 Resp: 314528

Ion Ratio Lower Upper

117 100

82 56.5 44.3 66.5

119 32.6 25.4 38.2

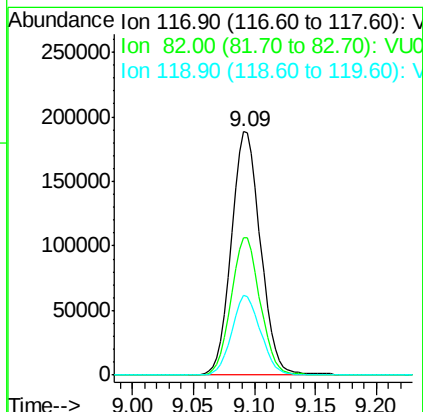
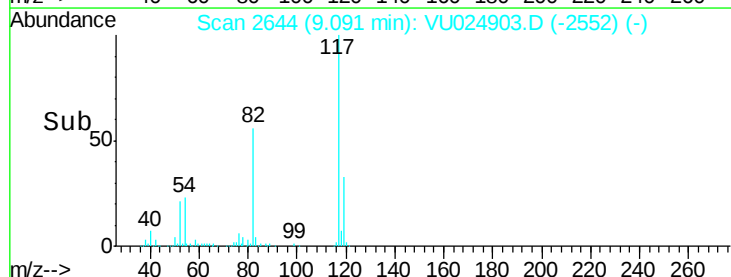


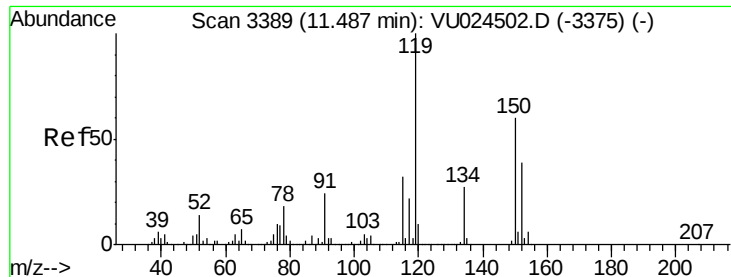
Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

Ion 82.00 (81.70 to 82.70): VU024502.D (-2630) (-)

Ion 118.90 (118.60 to 119.60): VU024502.D (-2630) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024903.D

Acq: 26 Jun 2018 03:02

Instrument :

MSVOA_U

ClientSampleId :

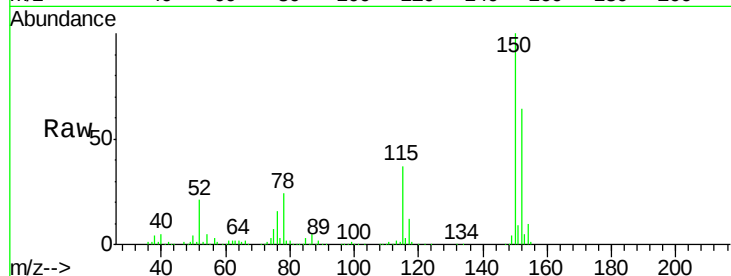
Tot Ion:152 Resp: 170330

Ion Ratio Lower Upper

152 100

115 57.9 43.0 129.0

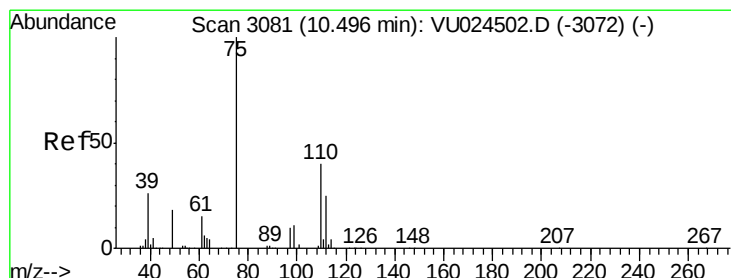
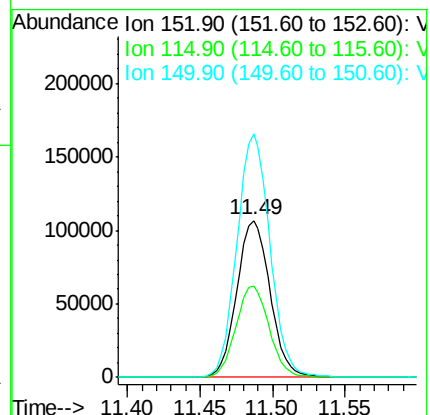
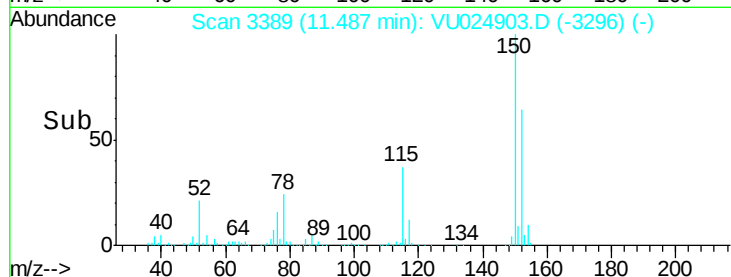
150 154.1 0.0 354.0



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: 24.93 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024903.D

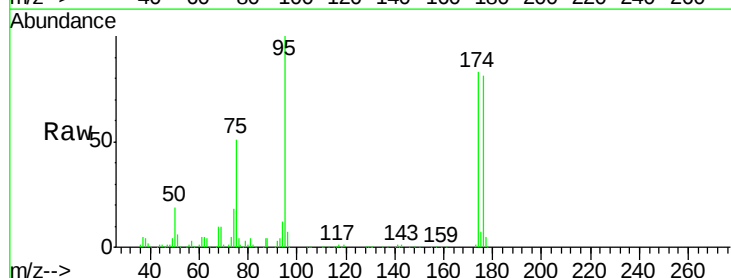
Acq: 26 Jun 2018 03:02

Tgt Ion: 75 Resp: 93485

Ion Ratio Lower Upper

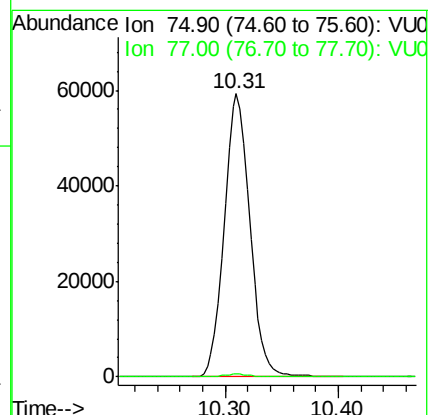
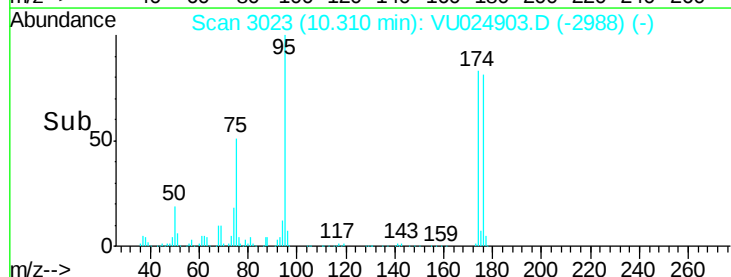
75 100

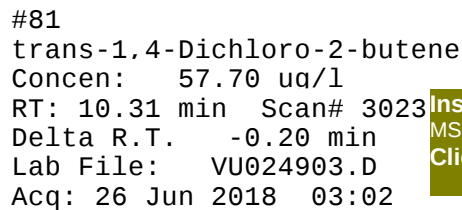
77 1.0 20.9 62.7#



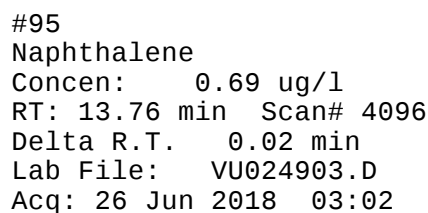
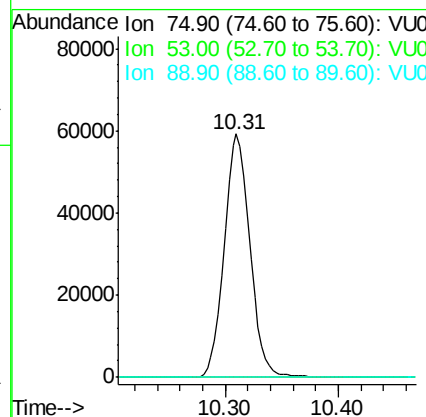
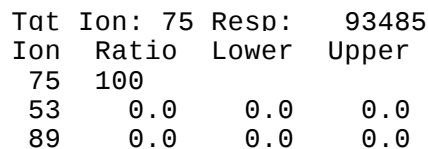
Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





Instrument :
MSVOA_U
ClientSampleId :



Tgt	Ion:128	Resp:	185
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#

